

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088556.D
 Acq On : 1 Jul 2016 4:13
 Operator : UM/SJ
 Sample : H3630-09MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Quant Time: Jul 01 05:33:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	122797	20.00	ng	0.01
21) Naphthalene-d8	8.11	136	454145	20.00	ng	0.01
38) Acenaphthene-d10	9.86	164	179881	20.00	ng	0.01
63) Phenanthrene-d10	11.34	188	300364	20.00	ng	0.01
75) Chrysene-d12	13.98	240	166564	20.00	ng	0.02
86) Perylene-d12	15.42	264	155177	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1035024	126.32	ng	0.02
7) Phenol-d6	6.47	99	1463229	138.21	ng	0.02
23) Nitrobenzene-d5	7.39	82	939187	108.37	ng	0.01
41) 2,4,6-Tribromophenol	10.65	330	235615	141.05	ng	0.01
44) 2-Fluorobiphenyl	9.19	172	1069376	93.90	ng	0.01
78) Terphenyl-d14	12.93	244	672433	89.92	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.44	88	155136	38.19	ng	# 30
3) Pyridine	3.15	79	363579	30.84	ng	94
4) n-Nitrosodimethylamine	3.10	42	217408	48.28	ng	90
6) Aniline	6.56	93	635282	41.17	ng	# 56
8) 2-Chlorophenol	6.60	128	390496	44.34	ng	88
9) Benzaldehyde	6.36	77	17933	2.50	ng	# 72
10) Phenol	6.48	94	592710	49.05	ng	98
11) bis(2-Chloroethyl)ether	6.56	93	635282	70.50	ng	91
12) 1,3-Dichlorobenzene	6.76	146	419743	43.32	ng	98
13) 1,4-Dichlorobenzene	6.84	146	456556	47.47	ng	100
14) 1,2-Dichlorobenzene	6.84	146	456556	50.71	ng	95
15) Benzyl Alcohol	6.97	79	404610	51.93	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.11	45	504274	38.64	ng	89
17) 2-Methylphenol	7.08	107	350753	48.82	ng	96
18) Hexachloroethane	7.34	117	204844	55.06	ng	# 82
19) n-Nitroso-di-n-propylamine	7.24	70	328434	46.18	ng	94
20) 3+4-Methylphenols	7.23	107	416036	48.25	ng	# 75
22) Acetophenone	7.24	105	578718	52.50	ng	# 91
24) Nitrobenzene	7.40	77	458259	52.45	ng	# 78
25) Isophorone	7.66	82	913431	56.90	ng	# 96
26) 2-Nitrophenol	7.72	139	186933	52.17	ng	# 90
27) 2,4-Dimethylphenol	7.77	122	371818	49.82	ng	89
28) bis(2-Chloroethoxy)methane	7.86	93	485812	46.50	ng	# 96
29) 2,4-Dichlorophenol	7.96	162	306018	50.74	ng	95
30) 1,2,4-Trichlorobenzene	8.06	180	337116	50.93	ng	98
31) Naphthalene	8.14	128	1203178	53.74	ng	99
32) Benzoic acid	7.88	122	143385	26.46	ng	# 52
33) 4-Chloroaniline	8.19	127	163267	16.39	ng	# 92
34) Hexachlorobutadiene	8.25	225	166784	47.06	ng	98
35) Caprolactam	8.55	113	158245	77.25	ng	# 68
36) 4-Chloro-3-methylphenol	8.66	107	333312	46.73	ng	89
37) 2-Methylnaphthalene	8.82	142	605904	42.03	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	269124	44.98	ng	# 1
40) Hexachlorocyclopentadiene	8.98	237	157264	53.55	ng	100

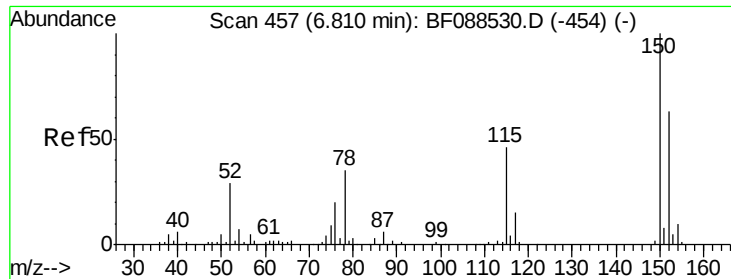
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.10	196	187969	47.65	ng	97
43) 2,4,5-Trichlorophenol	9.15	196	173961	51.26	ng #	87
45) 1,1'-Biphenyl	9.29	154	739089	49.62	ng	98
46) 2-Chloronaphthalene	9.31	162	570763	48.81	ng	98
47) 2-Nitroaniline	9.40	65	239017	57.60	ng	96
48) Acenaphthylene	9.72	152	803600	43.19	ng	98
49) Dimethylphthalate	9.59	163	808158	63.06	ng	99
50) 2,6-Dinitrotoluene	9.64	165	146148	51.46	ng #	36
51) Acenaphthene	9.90	154	514280	45.09	ng	98
52) 3-Nitroaniline	9.80	138	113648	31.48	ng #	80
53) 2,4-Dinitrophenol	9.91	184	21399	17.06	ng #	1
54) Dibenzofuran	10.07	168	741176	49.65	ng #	86
55) 4-Nitrophenol	9.98	139	270506	98.59	ng	94
56) 2,4-Dinitrotoluene	10.04	165	186868	50.32	ng #	46
57) Fluorene	10.41	166	619798	53.88	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.18	232	131770	50.18	ng #	42
59) Diethylphthalate	10.28	149	676595	52.61	ng	98
60) 4-Chlorophenyl-phenylether	10.40	204	237289	44.39	ng #	88
61) 4-Nitroaniline	10.42	138	149395	43.00	ng	86
62) Azobenzene	10.56	77	735106	50.11	ng	96
64) 4,6-Dinitro-2-methylphenol	10.44	198	26692	16.61	ng #	47
65) n-Nitrosodiphenylamine	10.51	169	556177	54.71	ng	99
66) 4-Bromophenyl-phenylether	10.89	248	160621	53.06	ng #	91
67) Hexachlorobenzene	10.96	284	162569	48.52	ng #	77
68) Atrazine	11.05	200	162360	51.26	ng	92
69) Pentachlorophenol	11.14	266	173925	87.71	ng	97
70) Phenanthrene	11.36	178	749967	45.68	ng	100
71) Anthracene	11.42	178	803465	49.21	ng	100
72) Carbazole	11.56	167	651955	42.43	ng	99
73) Di-n-butylphthalate	11.91	149	835009	46.72	ng	99
74) Fluoranthene	12.57	202	704405	42.32	ng	94
77) Pyrene	12.78	202	629879	44.60	ng	99
79) Butylbenzylphthalate	13.41	149	296659	47.09	ng #	80
80) Benzo(a)anthracene	13.98	228	486249	45.34	ng	99
81) 3,3'-Dichlorobenzidine	13.93	252	82888	20.56	ng #	92
82) Chrysene	14.01	228	492006	46.37	ng	98
83) Bis(2-ethylhexyl)phthalate	13.98	149	343405	47.75	ng #	96
84) Di-n-octyl phthalate	14.59	149	511533	41.87	ng #	100
85) Indeno(1,2,3-cd)pyrene	16.80	276	455746	55.82	ng #	100
87) Benzo(b)fluoranthene	15.04	252	858532	88.20	ng #	86
88) Benzo(k)fluoranthene	15.04	252	858532	101.31	ng #	90
89) Benzo(a)pyrene	15.36	252	394408	47.85	ng #	89
90) Dibenzo(a,h)anthracene	16.81	278	379290	55.11	ng #	94
91) Benzo(g,h,i)perylene	17.21	276	385714	54.16	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088556.D

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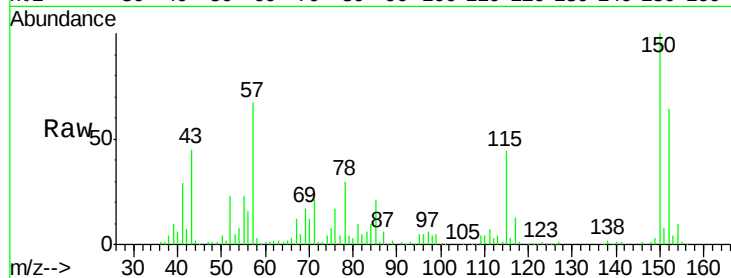
Tgt Ion:152 Resp: 122797

Ion Ratio Lower Upper

152 100

150 157.0 123.8 185.6

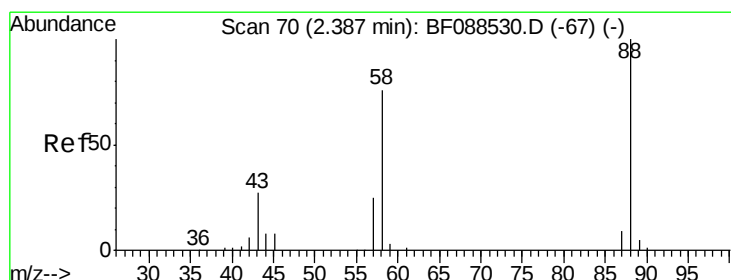
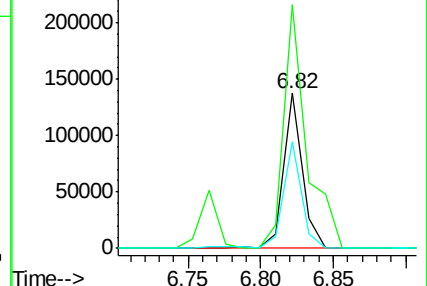
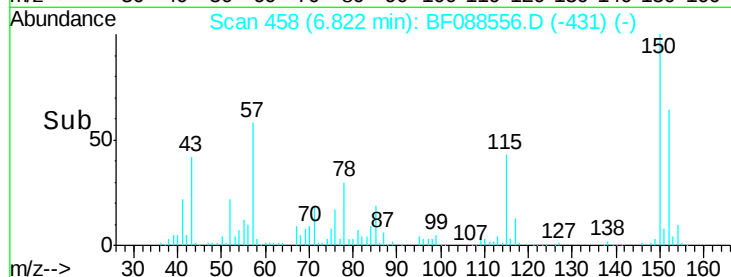
115 68.5 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.19 ng

RT: 2.44 min Scan# 75

Delta R.T. 0.05 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

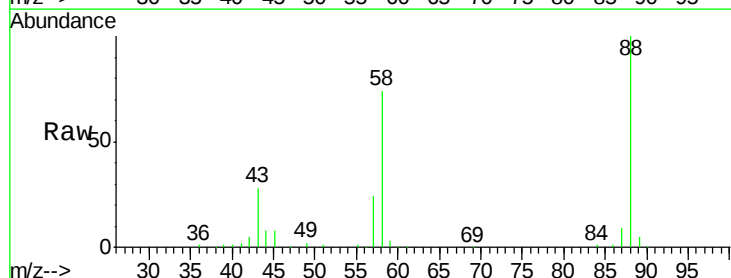
Tgt Ion: 88 Resp: 155136

Ion Ratio Lower Upper

88 100

58 73.0 0.0 0.0#

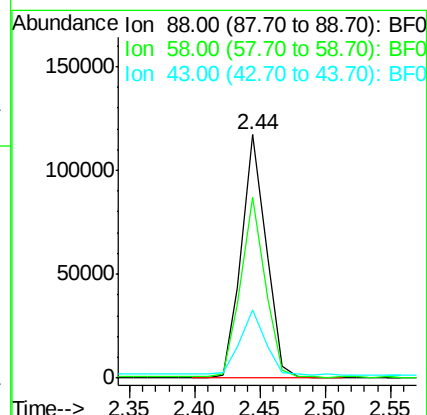
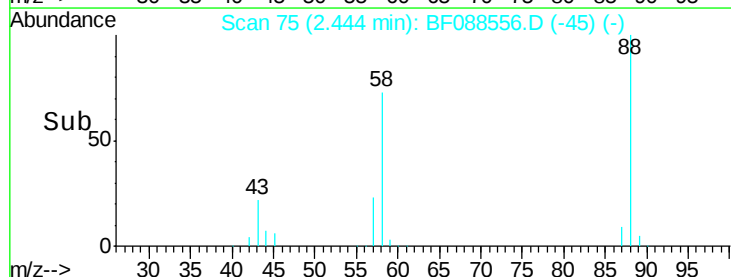
43 27.3 3.4 5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 30.84 ng

RT: 3.15 min Scan# 137

Delta R.T. 0.07 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

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ClientSampleId :

B1409-TP03E-1224MSD

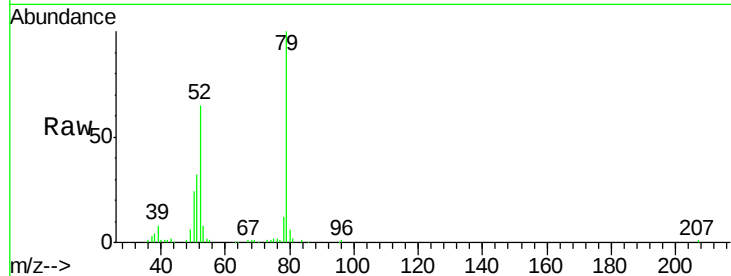
Tgt Ion: 79 Resp: 363579

Ion Ratio Lower Upper

79 100

52 64.9 56.3 84.5

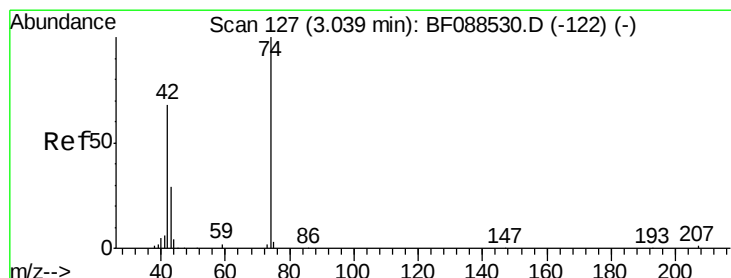
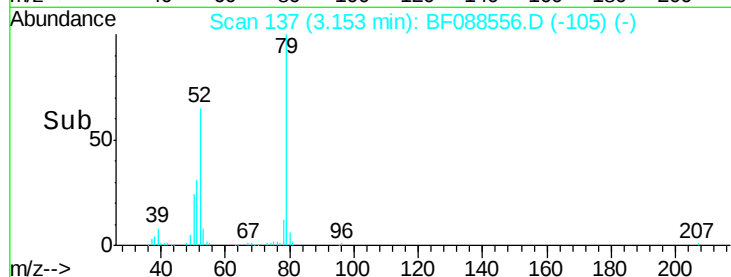
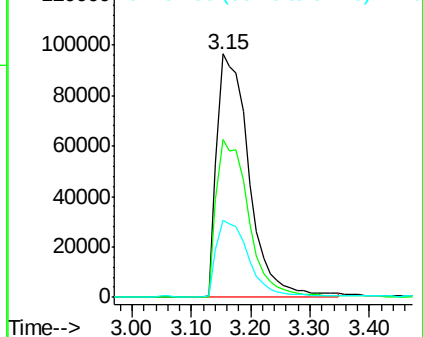
51 31.9 27.4 41.2



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 48.28 ng

RT: 3.10 min Scan# 132

Delta R.T. 0.06 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

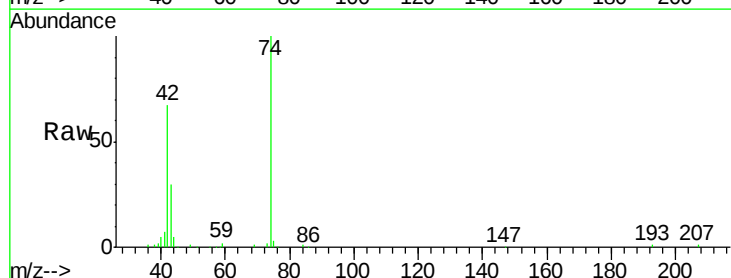
Tgt Ion: 42 Resp: 217408

Ion Ratio Lower Upper

42 100

74 148.7 108.6 163.0

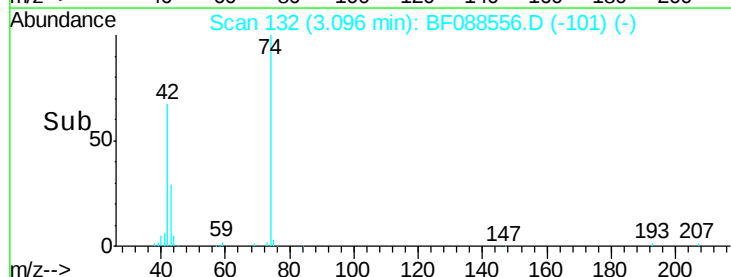
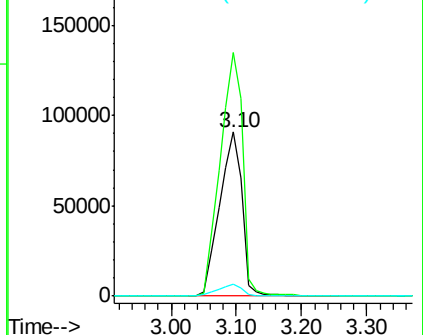
44 7.1 5.5 8.3

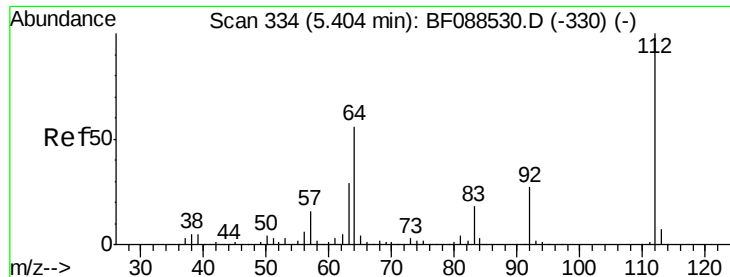


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 126.32 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.02 min

Lab File: BF088556.D

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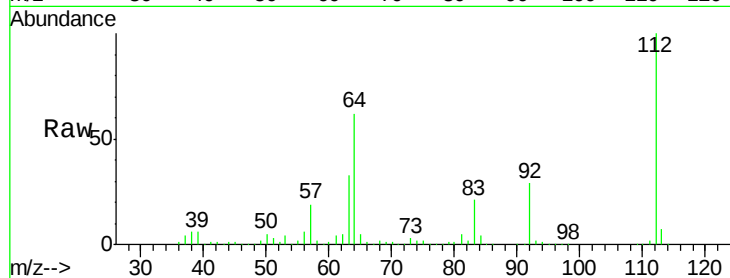
Tgt Ion: 112 Resp: 1035024

Ion Ratio Lower Upper

112 100

64 62.0 42.2 63.2

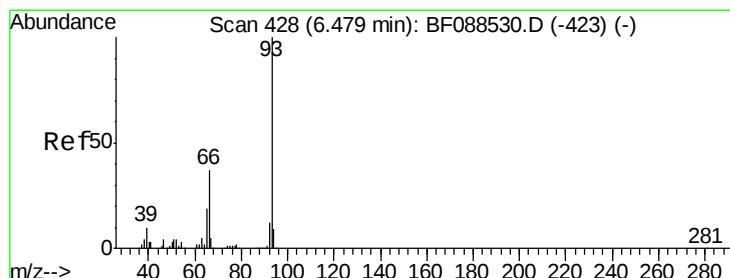
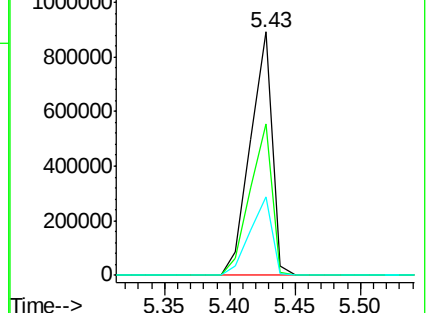
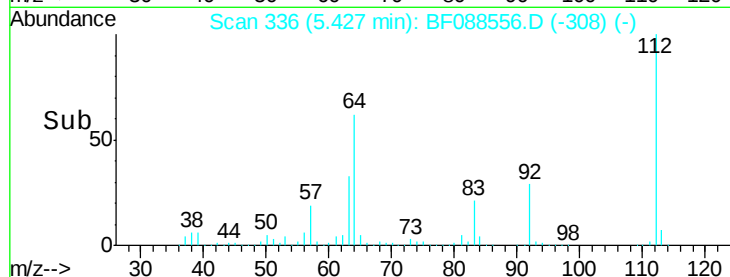
63 32.5 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 41.17 ng

RT: 6.56 min Scan# 435

Delta R.T. 0.08 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

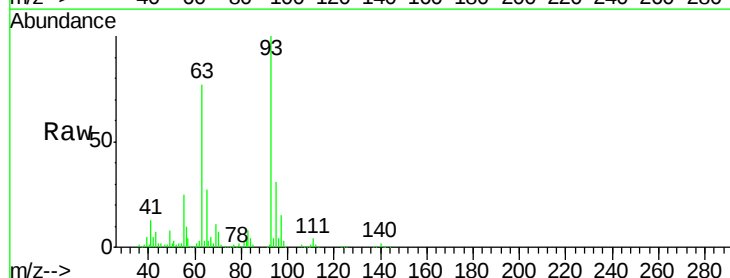
Tgt Ion: 93 Resp: 635282

Ion Ratio Lower Upper

93 100

66 3.5 29.8 44.8#

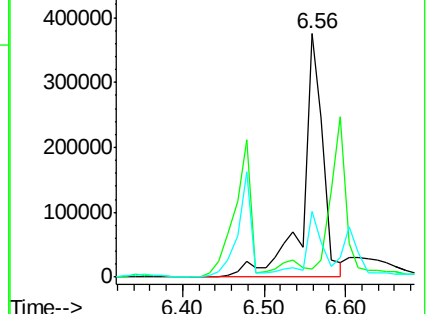
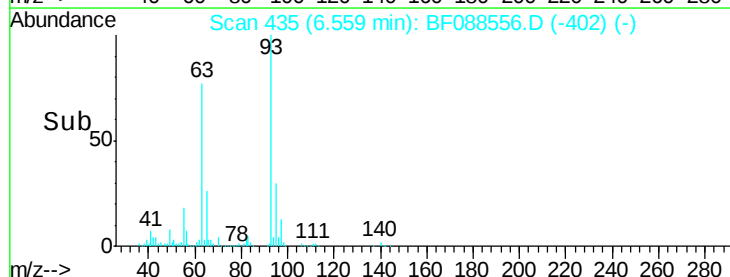
65 26.7 14.9 22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.21 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.02 min

Lab File: BF088556.D

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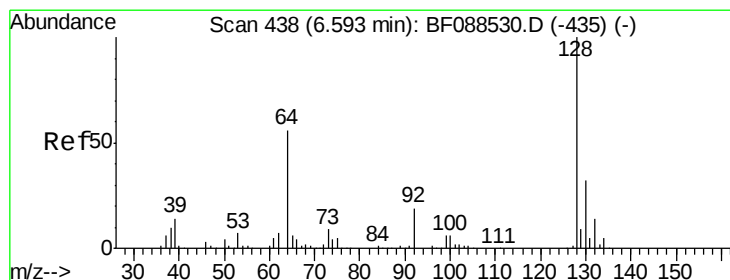
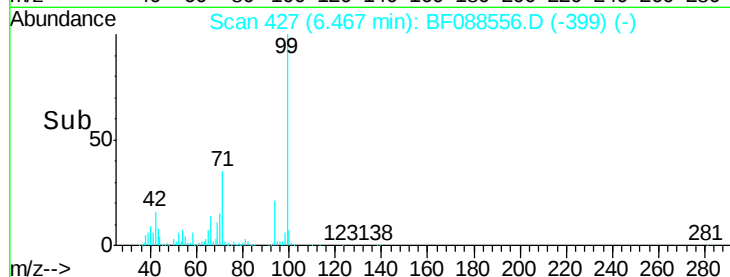
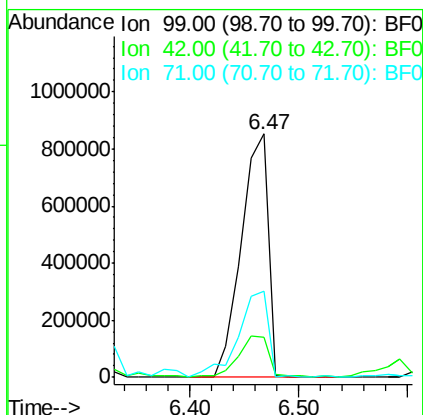
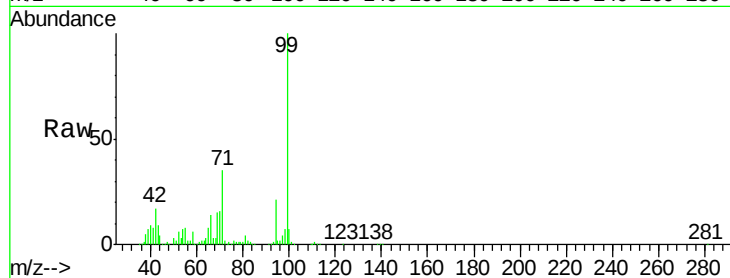
Tgt Ion: 99 Resp: 1463229

Ion Ratio Lower Upper

99 100

42 16.6 12.2 18.2

71 35.2 23.4 35.0#



#8

2-Chlorophenol

Concen: 44.34 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

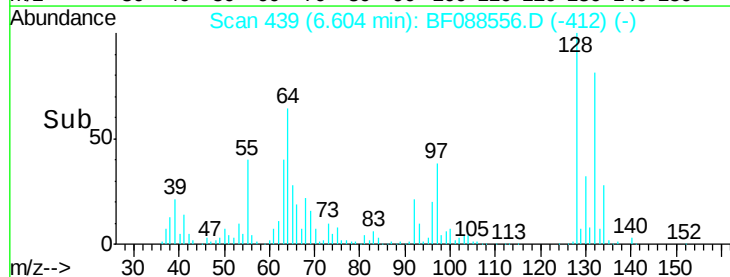
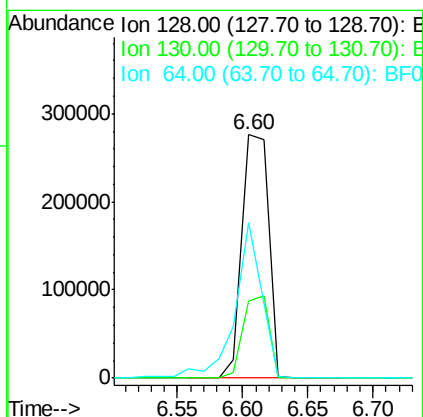
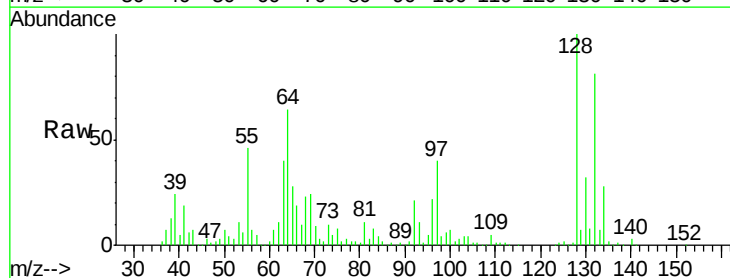
Tgt Ion: 128 Resp: 390496

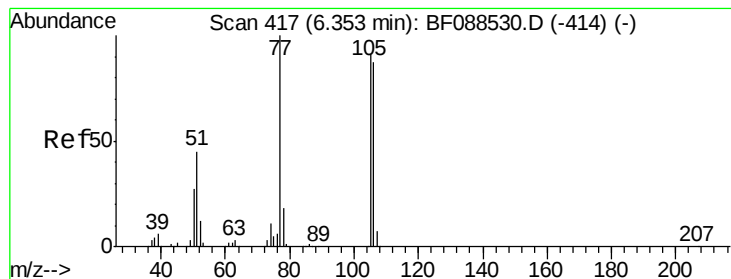
Ion Ratio Lower Upper

128 100

130 31.6 12.0 52.0

64 63.8 30.8 70.8





#9

Benzaldehyde

Concen: 2.50 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088556.D

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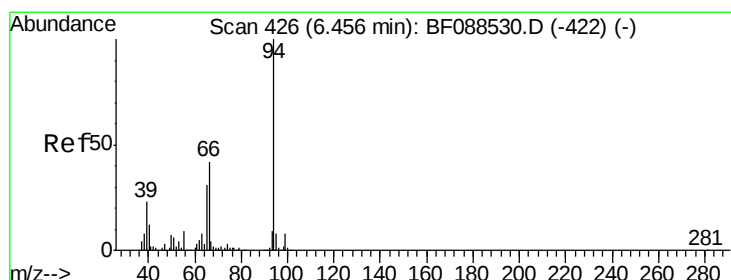
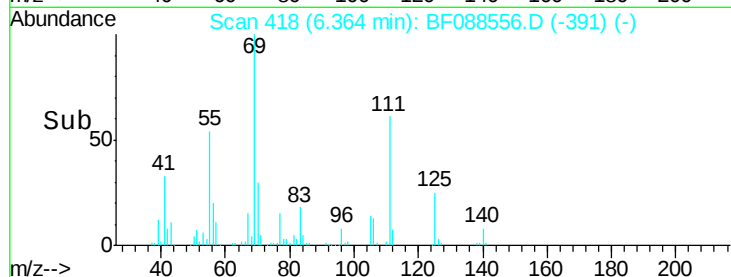
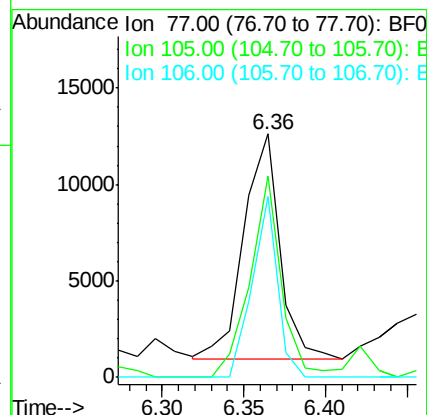
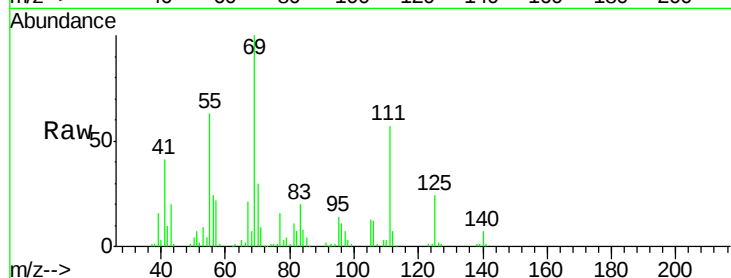
Tgt Ion: 77 Resp: 17933

Ion Ratio Lower Upper

77 100

105 82.9 90.6 130.6#

106 74.2 85.3 125.3#



#10

Phenol

Concen: 49.05 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

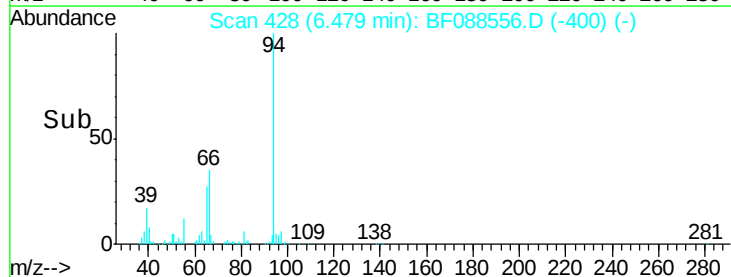
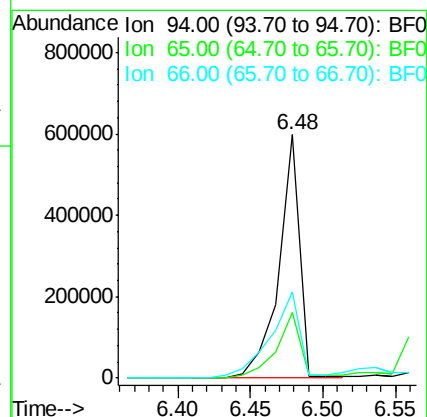
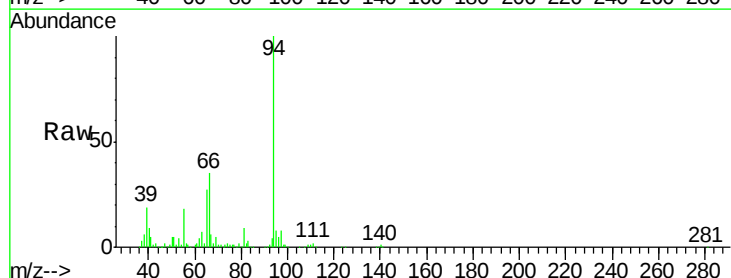
Tgt Ion: 94 Resp: 592710

Ion Ratio Lower Upper

94 100

65 27.1 5.9 45.9

66 35.4 14.0 54.0





#11

bis(2-Chloroethyl)ether

Concen: 70.50 ng

RT: 6.56 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

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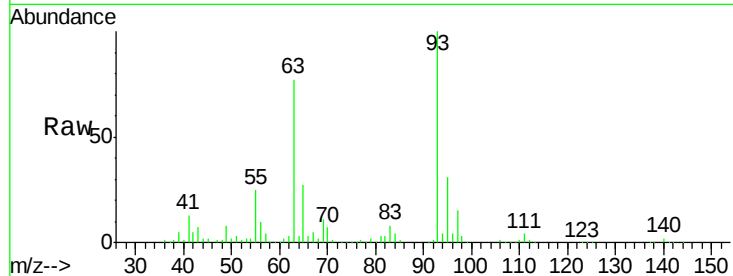
Tgt Ion: 93 Resp: 635282

Ion Ratio Lower Upper

93 100

63 76.8 67.6 107.6

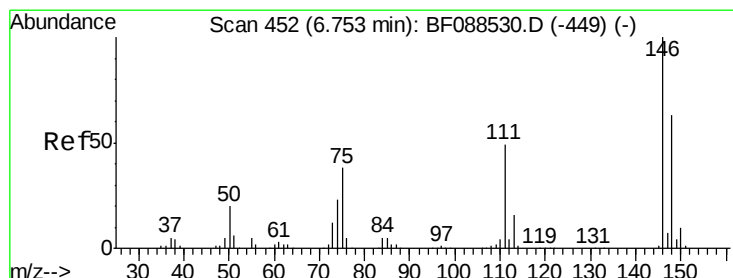
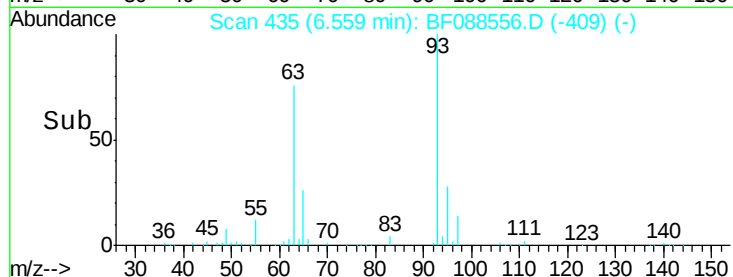
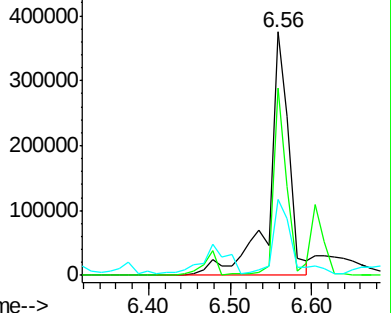
95 31.2 12.5 52.5



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 43.32 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

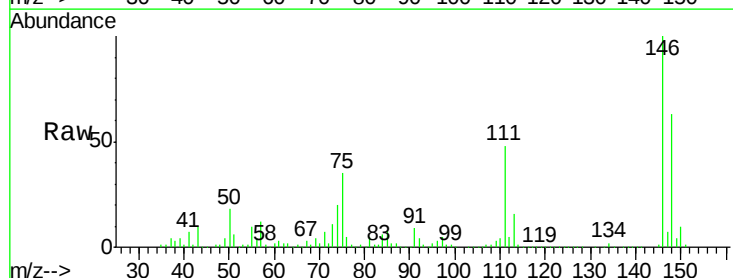
Tgt Ion: 146 Resp: 419743

Ion Ratio Lower Upper

146 100

148 63.2 50.9 76.3

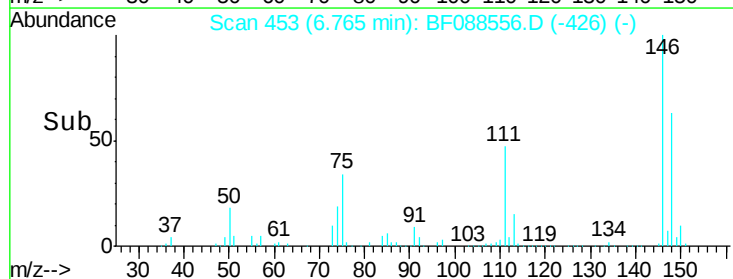
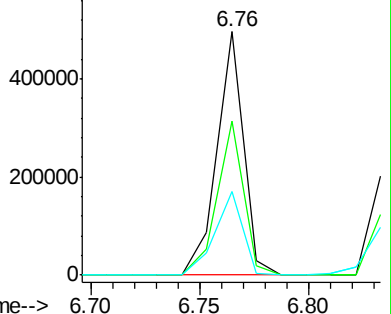
75 34.5 25.6 38.4

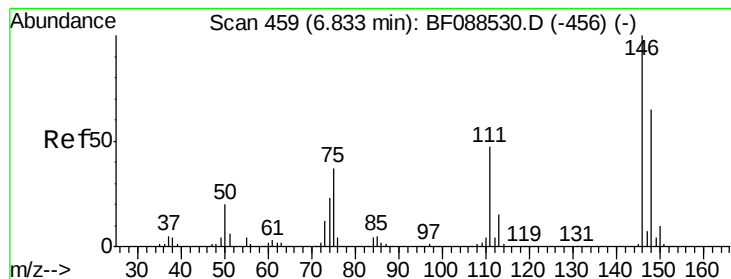


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 47.47 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

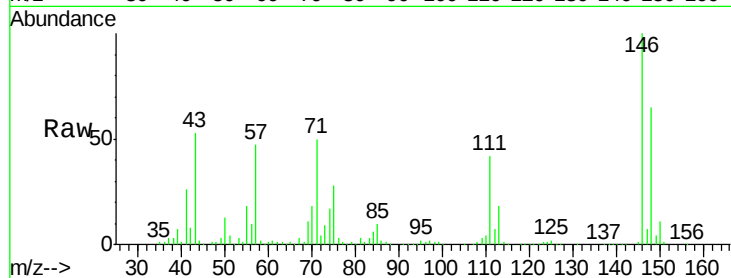
Tgt Ion:146 Resp: 456556

Ion Ratio Lower Upper

146 100

148 64.6 52.0 78.0

111 42.3 33.8 50.8

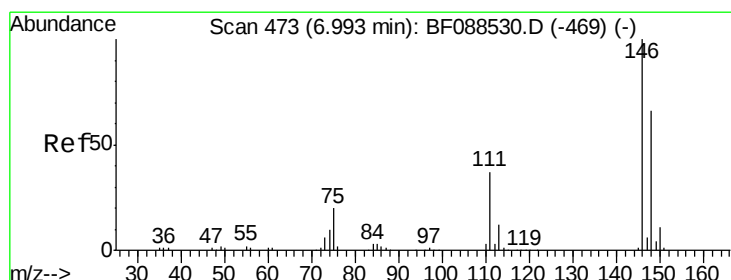
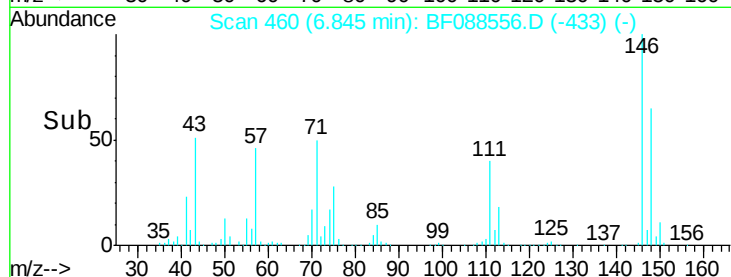
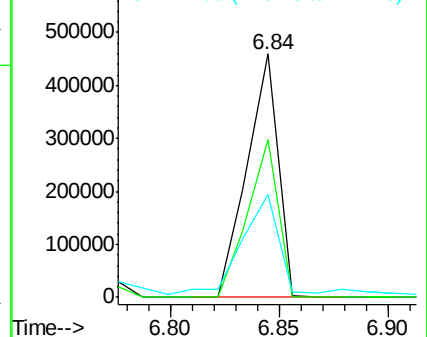


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 50.71 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.15 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

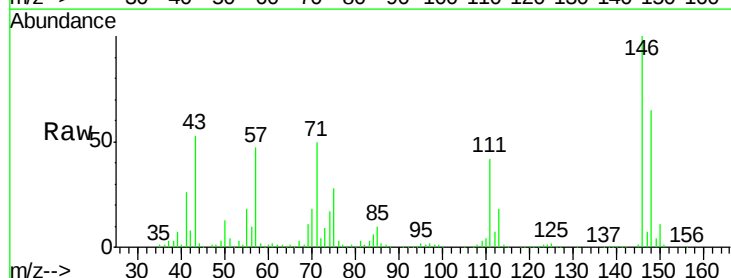
Tgt Ion:146 Resp: 456556

Ion Ratio Lower Upper

146 100

148 64.6 52.3 78.5

111 42.3 28.7 43.1

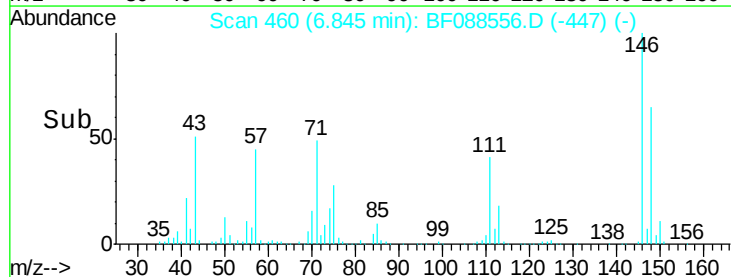
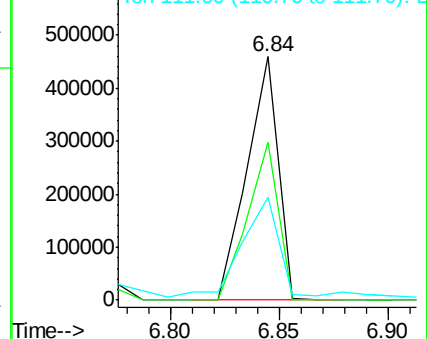


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.93 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

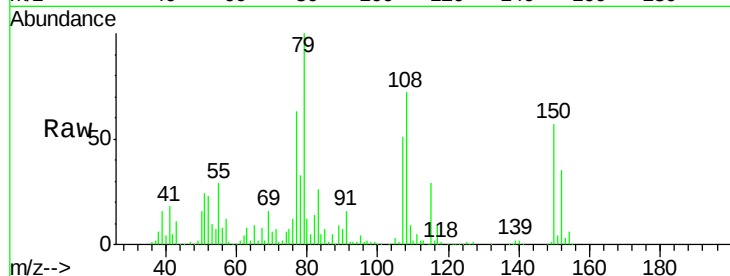
Tgt Ion: 79 Resp: 404610

Ion Ratio Lower Upper

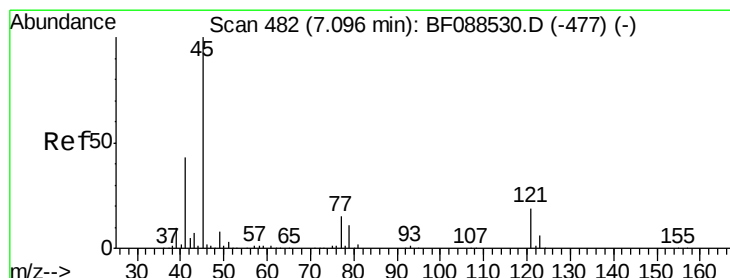
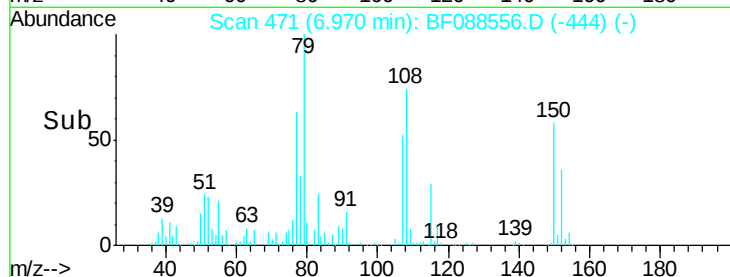
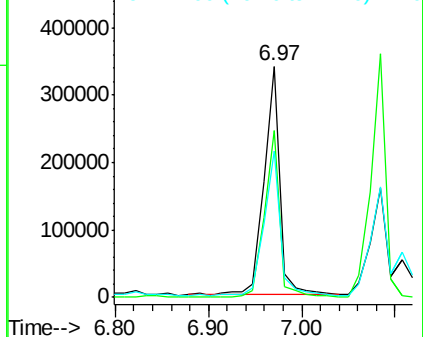
79 100

108 72.3 65.0 97.6

77 63.0 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.64 ng

RT: 7.11 min Scan# 483

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

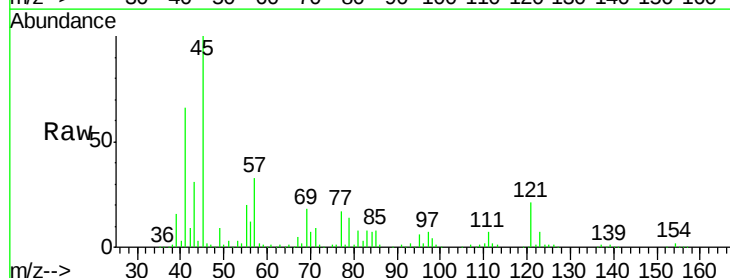
Tgt Ion: 45 Resp: 504274

Ion Ratio Lower Upper

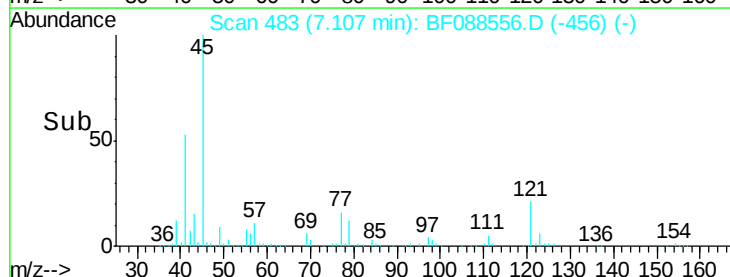
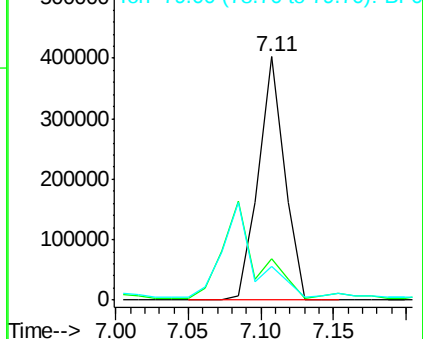
45 100

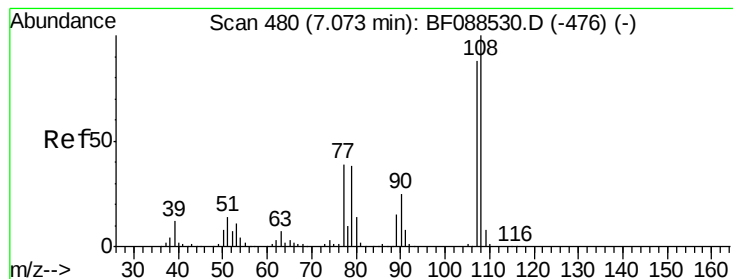
77 16.8 0.0 32.5

79 13.7 0.0 29.5



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 48.82 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tgt Ion:107 Resp: 350753

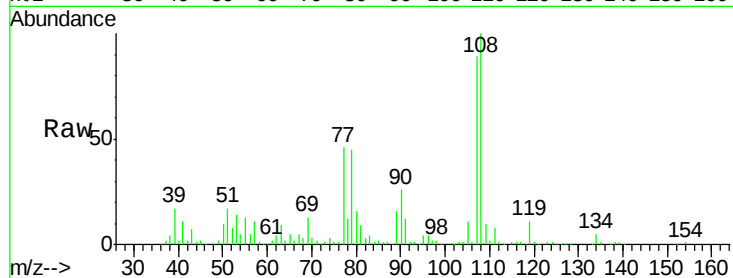
Ion Ratio Lower Upper

107 100

108 112.6 90.9 136.3

77 51.3 36.6 55.0

79 50.7 36.5 54.7

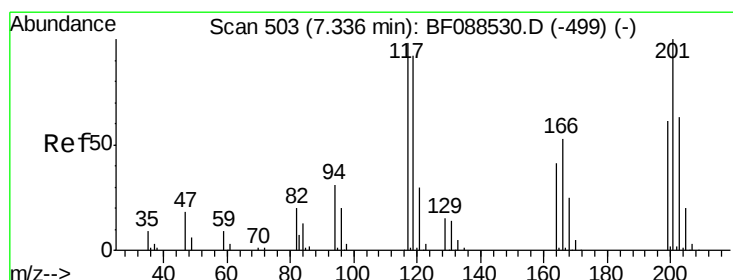
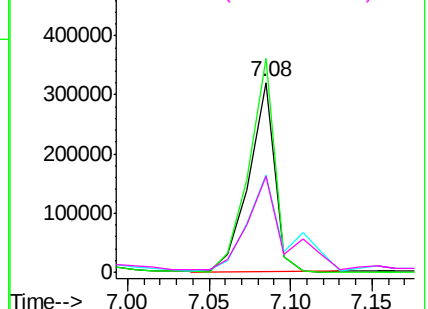
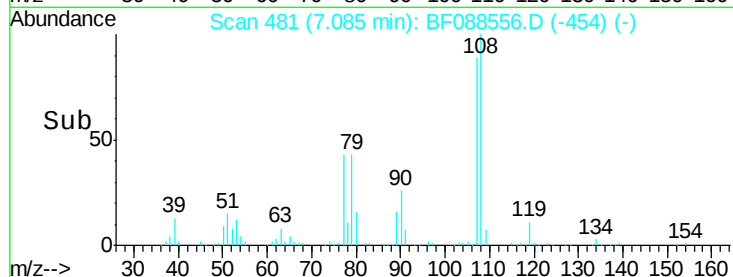


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 55.06 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

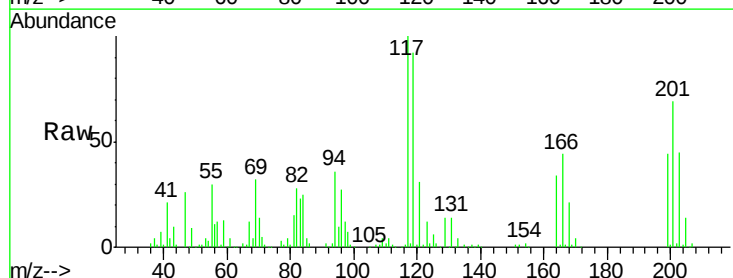
Tgt Ion:117 Resp: 204844

Ion Ratio Lower Upper

117 100

119 92.5 77.4 116.2

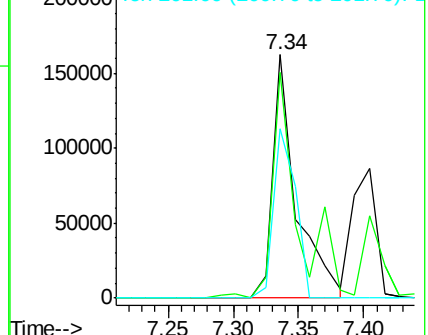
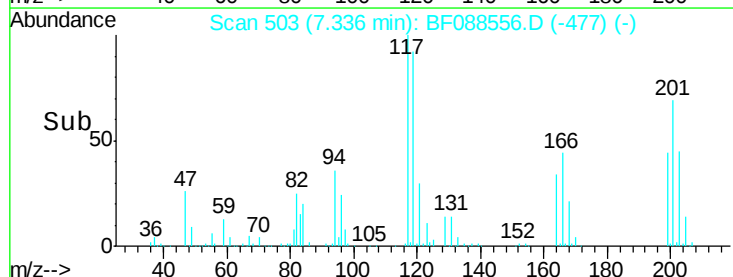
201 69.4 80.4 120.6#

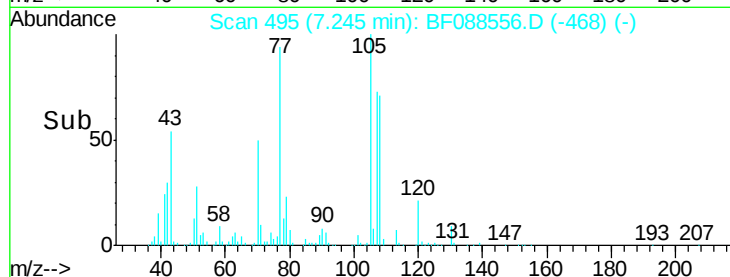
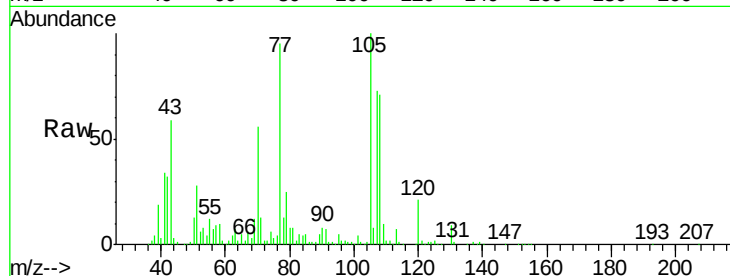
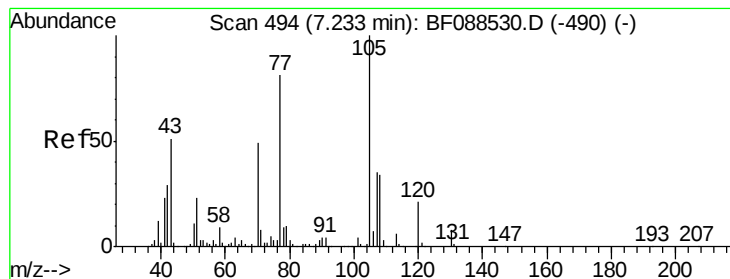


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 46.18 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tgt Ion: 70 Resp: 328434

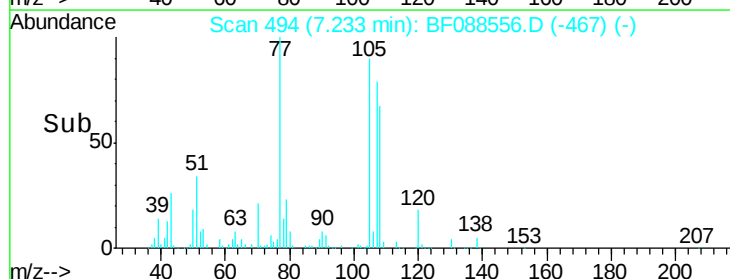
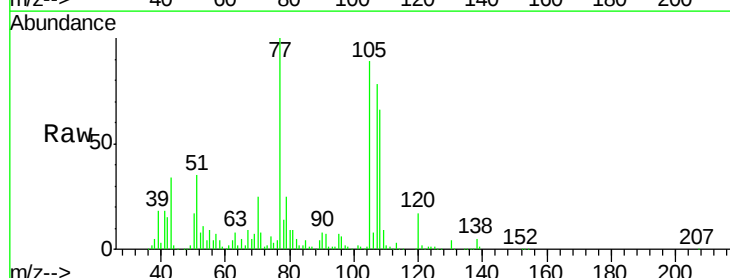
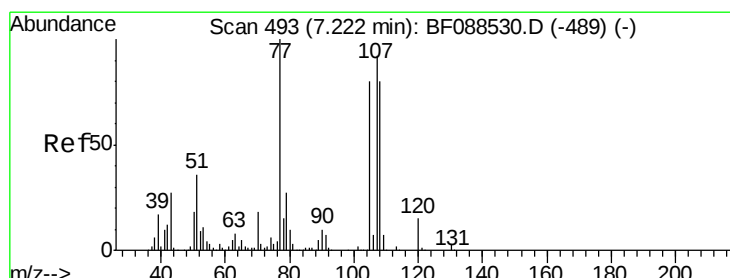
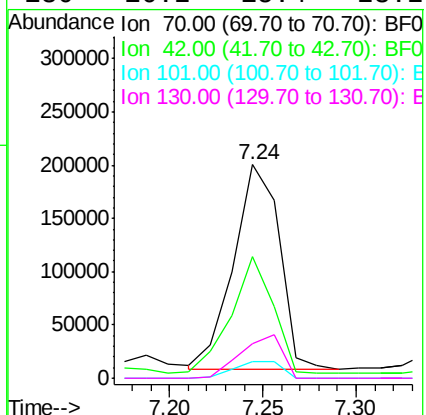
Ion Ratio Lower Upper

70 100

42 57.1 49.6 74.4

101 8.0 7.1 10.7

130 16.2 15.4 23.2



#20

3+4-Methylphenols

Concen: 48.25 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion: 107 Resp: 416036

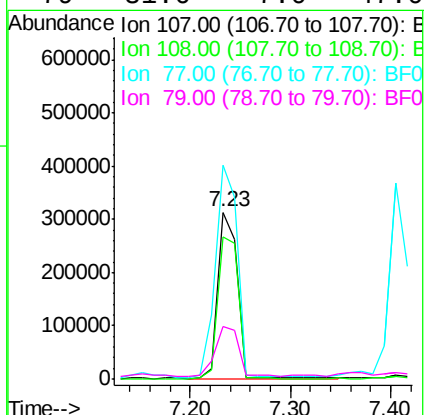
Ion Ratio Lower Upper

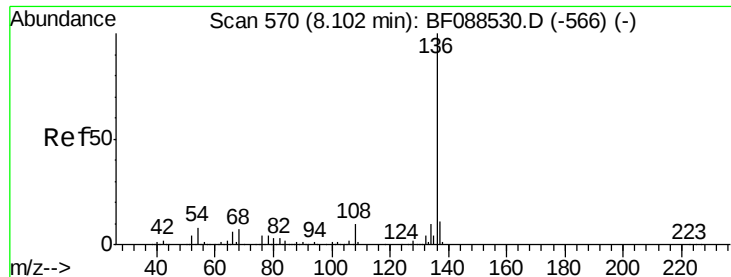
107 100

108 84.7 67.8 107.8

77 127.9 59.3 99.3#

79 31.6 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tgt Ion:136 Resp: 454145

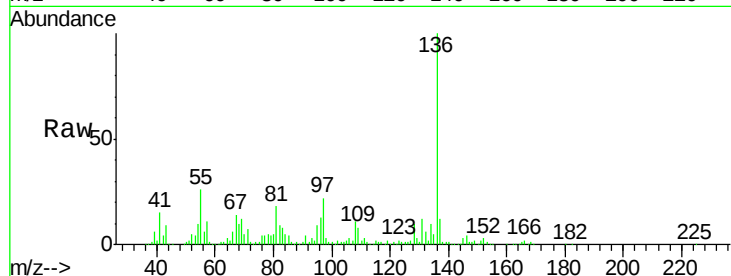
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 9.8 6.6 10.0

68 9.6 5.1 7.7#

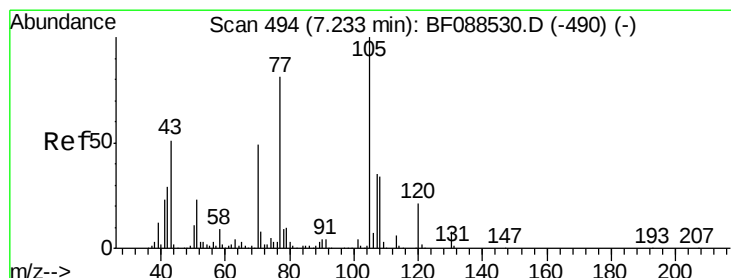
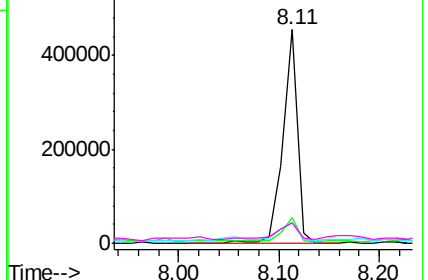
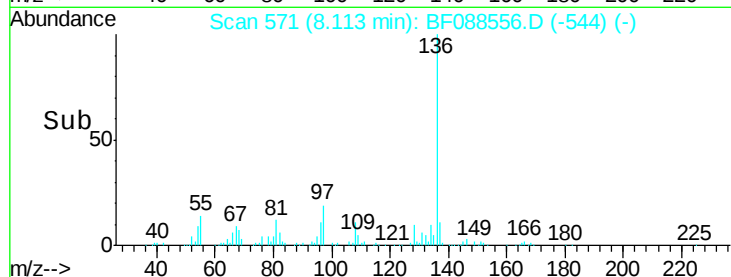


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 52.50 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:105 Resp: 578718

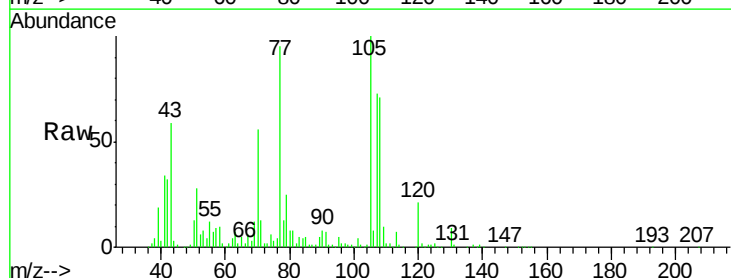
Ion Ratio Lower Upper

105 100

71 13.3 5.3 7.9#

51 28.1 18.2 27.4#

120 20.6 18.0 27.0

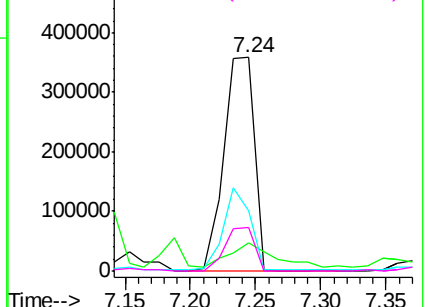
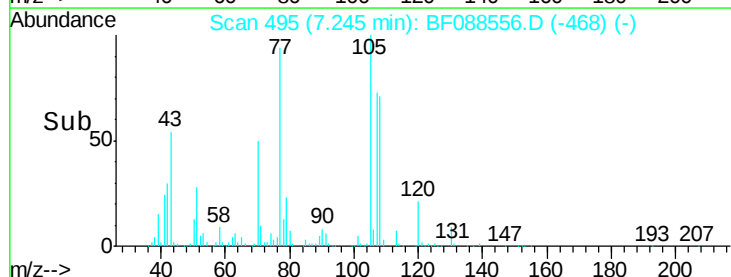


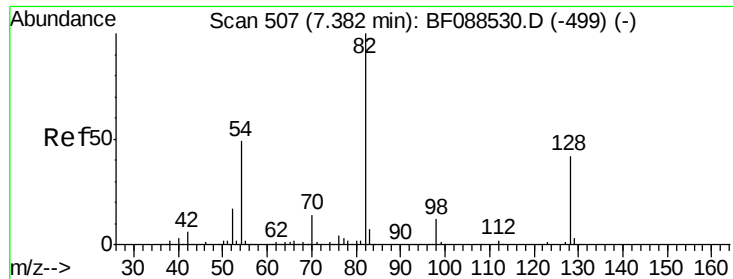
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

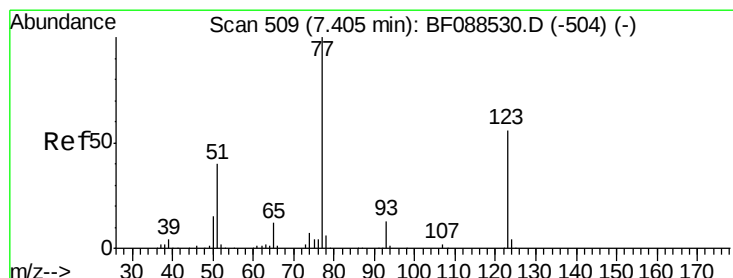
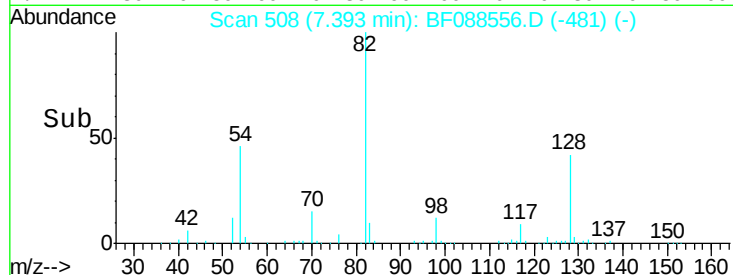
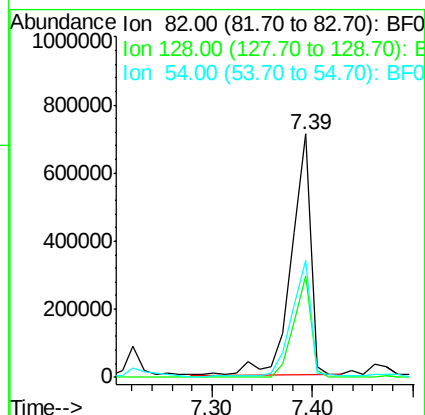
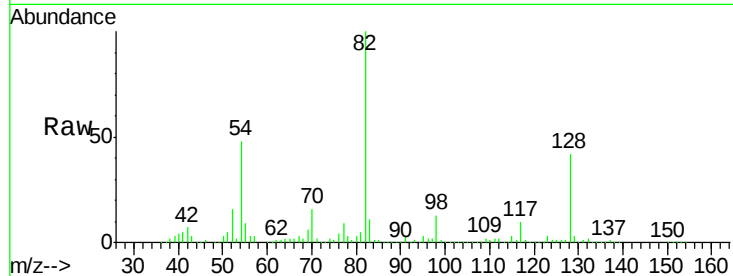




#23
Nitrobenzene-d5
Concen: 108.37 ng
RT: 7.39 min Scan# 508
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

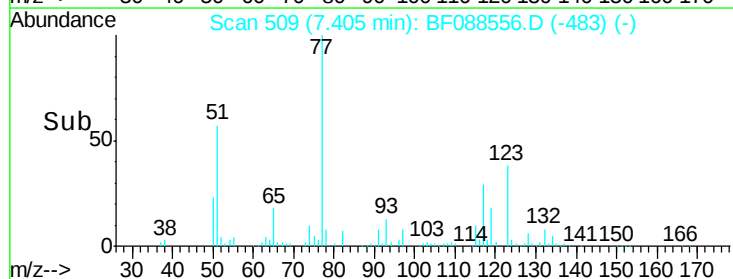
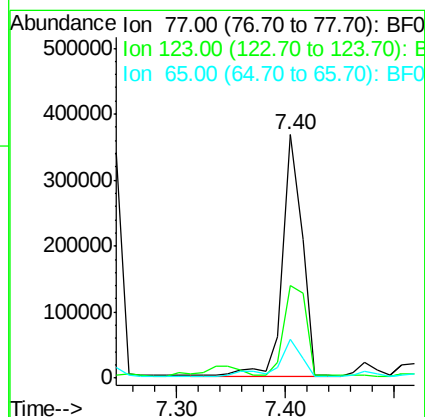
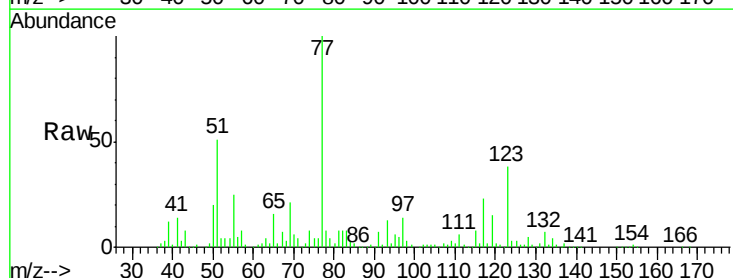
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

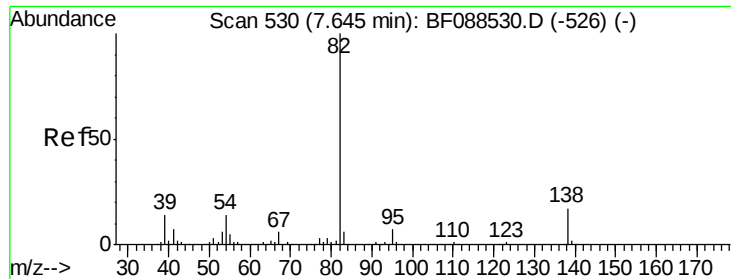
Tgt Ion: 82 Resp: 939187
Ion Ratio Lower Upper
82 100
128 41.6 35.9 53.9
54 47.8 40.9 61.3



#24
Nitrobenzene
Concen: 52.45 ng
RT: 7.40 min Scan# 509
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion: 77 Resp: 458259
Ion Ratio Lower Upper
77 100
123 38.2 45.0 67.4#
65 15.9 10.2 15.2#





#25

Isophorone

Concen: 56.90 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

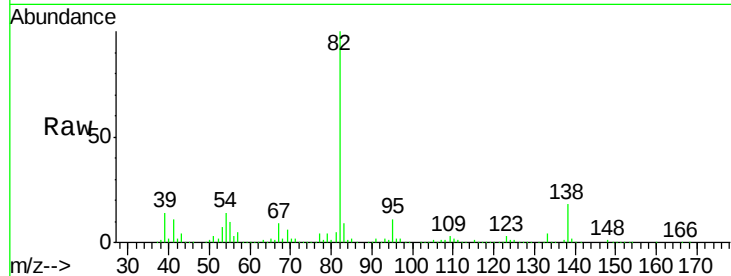
Tgt Ion: 82 Resp: 913431

Ion Ratio Lower Upper

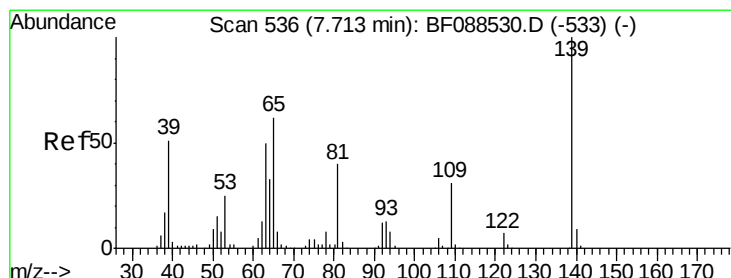
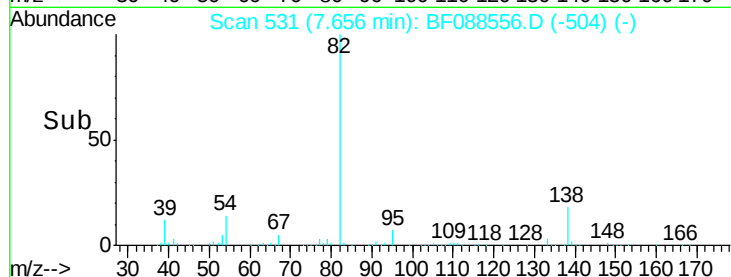
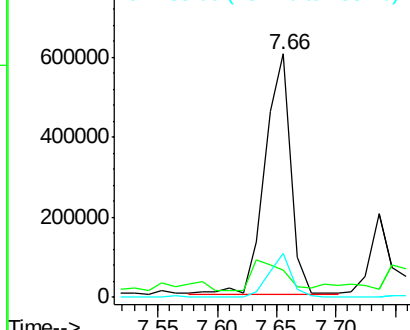
82 100

95 11.0 5.4 8.2#

138 17.8 14.6 21.8



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 52.17 ng

RT: 7.72 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

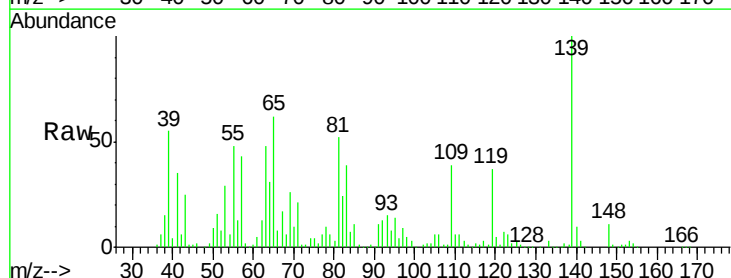
Tgt Ion: 139 Resp: 186933

Ion Ratio Lower Upper

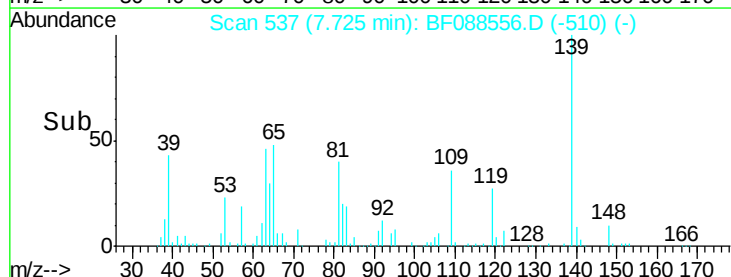
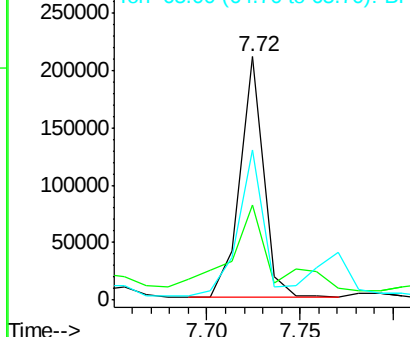
139 100

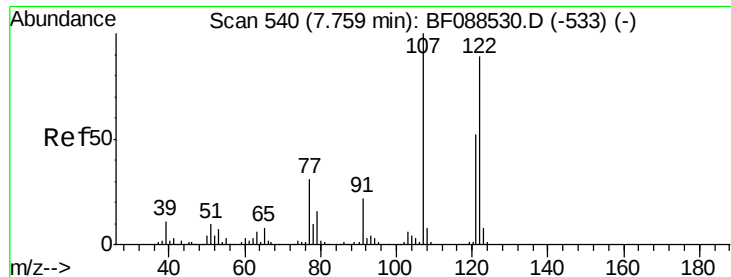
109 39.0 23.0 34.4#

65 61.7 45.8 68.8



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 49.82 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

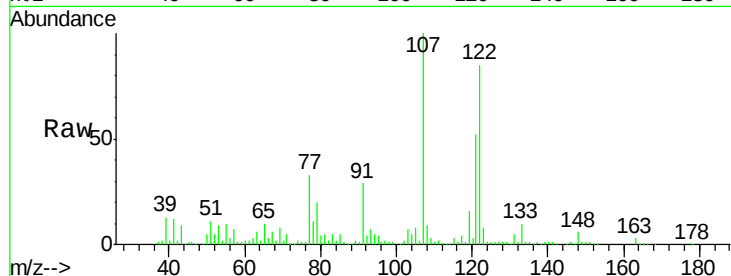
Tgt Ion:122 Resp: 371818

Ion Ratio Lower Upper

122 100

107 118.0 82.4 123.6

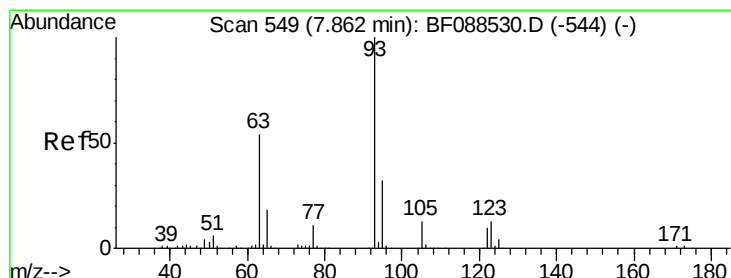
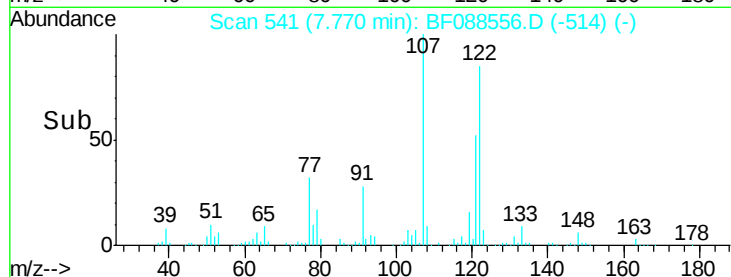
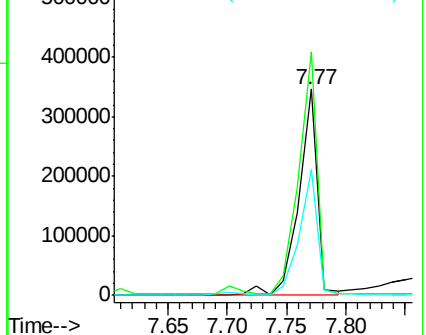
121 61.1 46.3 69.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 46.50 ng

RT: 7.86 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

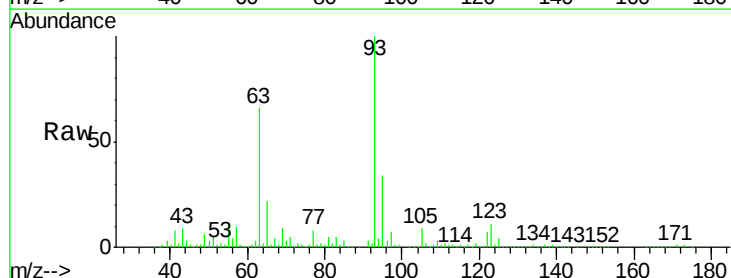
Tgt Ion: 93 Resp: 485812

Ion Ratio Lower Upper

93 100

95 34.3 26.5 39.7

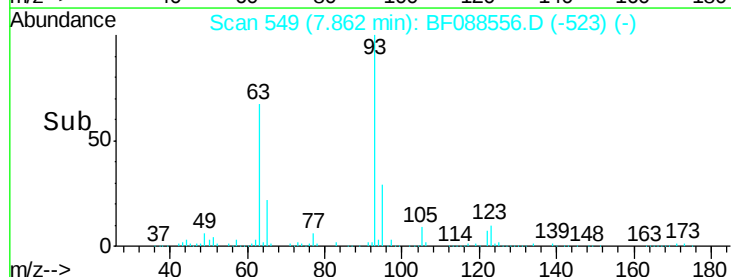
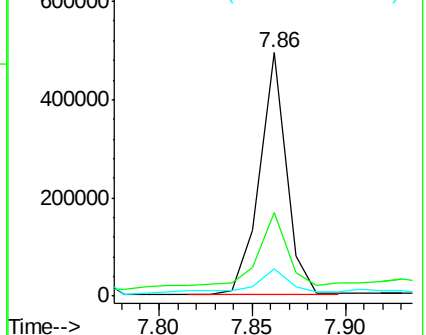
123 11.2 11.6 17.4#

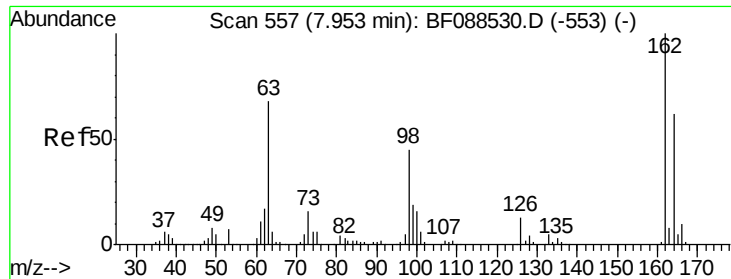


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

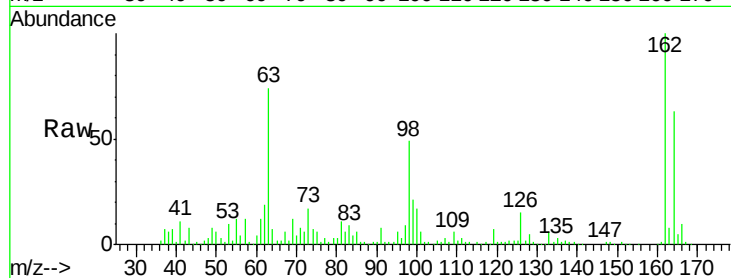




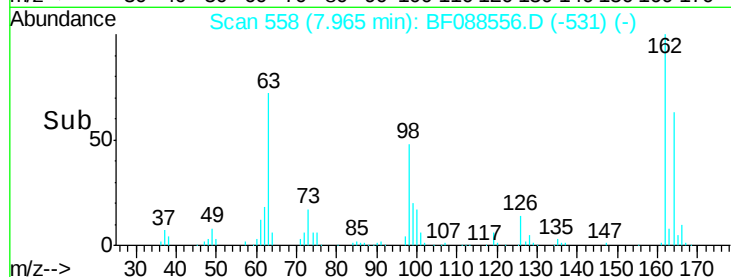
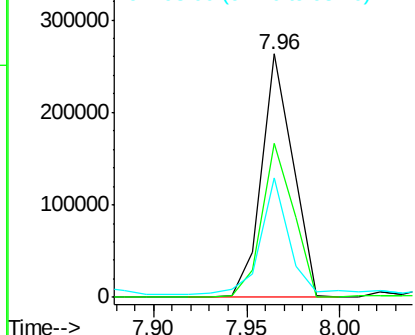
#29
 2,4-Dichlorophenol
 Concen: 50.74 ng
 RT: 7.96 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.8	83.8
98	48.9	21.3	61.3

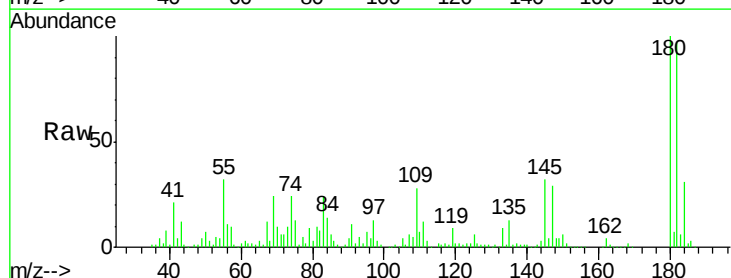


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

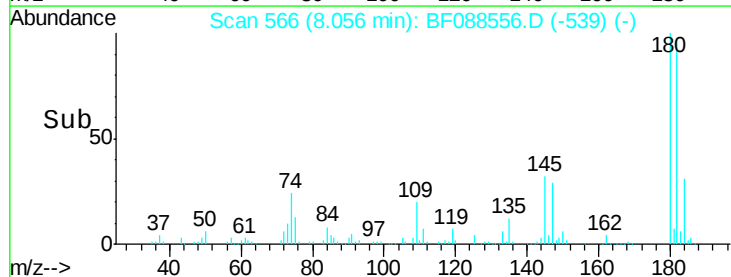
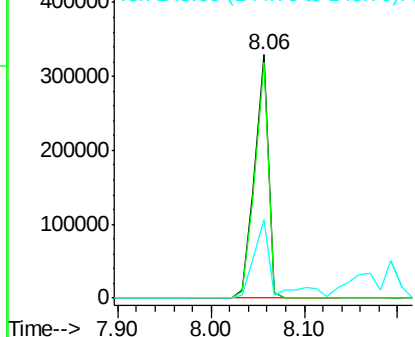


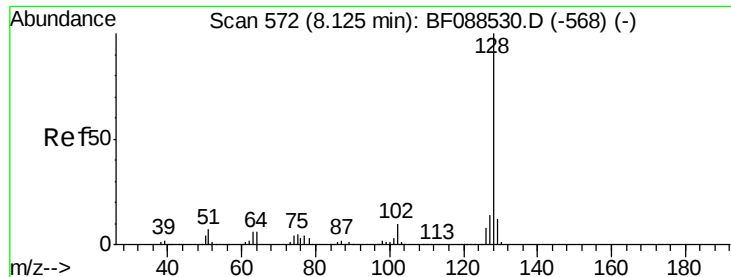
#30
 1,2,4-Trichlorobenzene
 Concen: 50.93 ng
 RT: 8.06 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	32.1	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

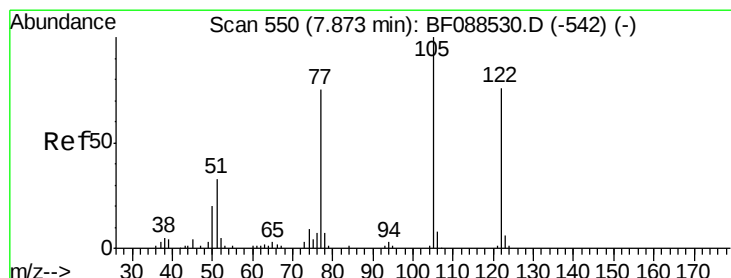
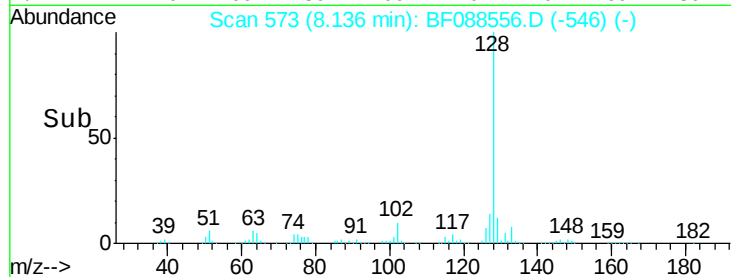
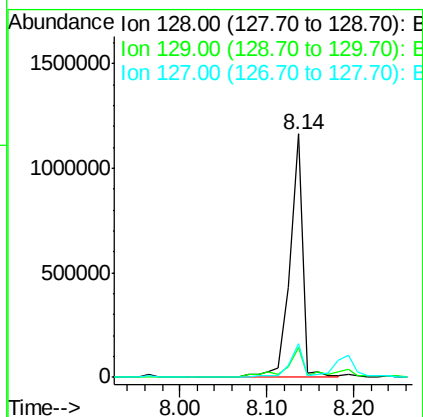
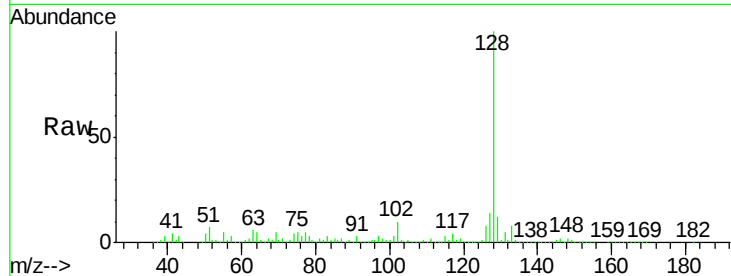




#31
Naphthalene
Concen: 53.74 ng
RT: 8.14 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

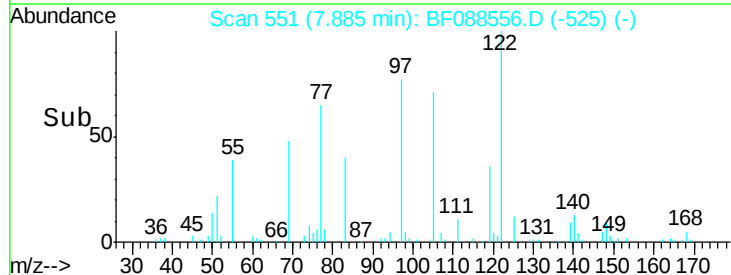
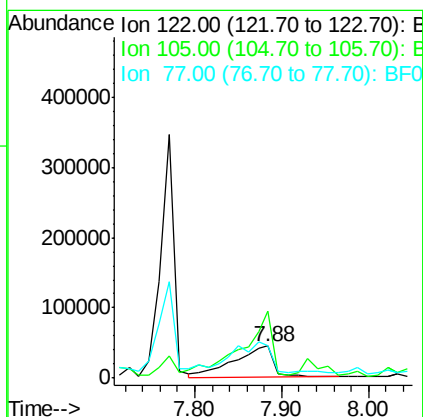
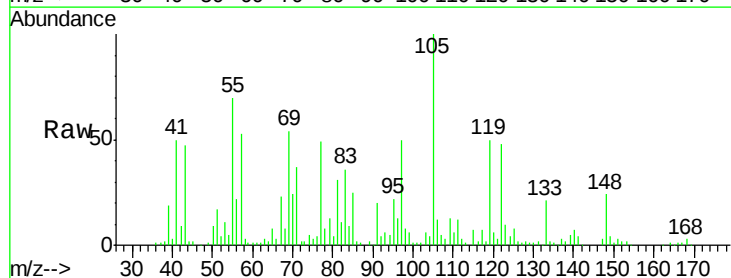
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

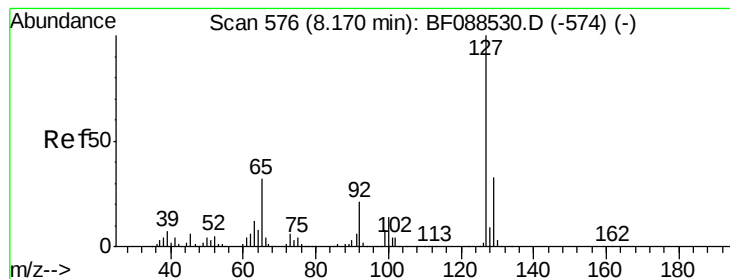
Tgt Ion:128 Resp: 1203178
Ion Ratio Lower Upper
128 100
129 12.0 9.4 14.2
127 13.9 10.9 16.3



#32
Benzoic acid
Concen: 26.46 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:122 Resp: 143385
Ion Ratio Lower Upper
122 100
105 207.4 101.6 141.6#
77 100.7 70.6 110.6





#33

4-Chloroaniline

Concen: 16.39 ng

RT: 8.19 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tgt Ion:127 Resp: 163267

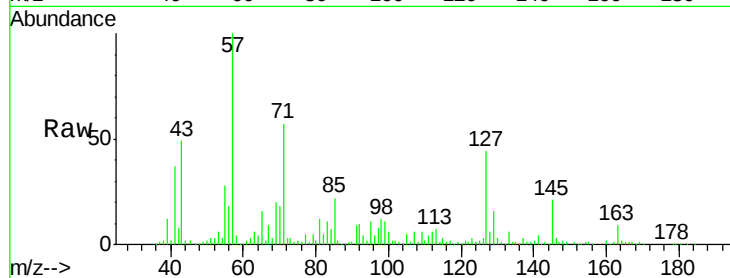
Ion Ratio Lower Upper

127 100

129 37.1 26.3 39.5

65 35.4 24.7 37.1

92 23.6 15.4 23.0#

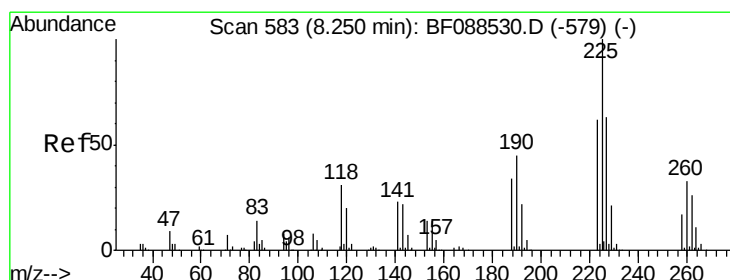
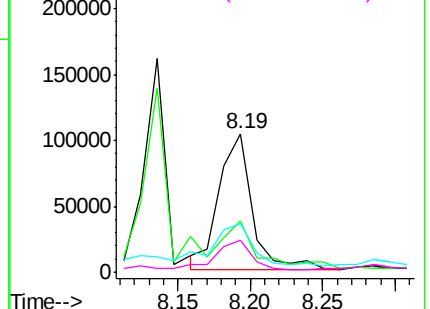
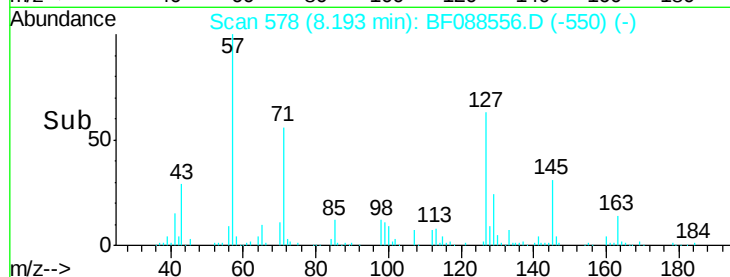


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 47.06 ng

RT: 8.25 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

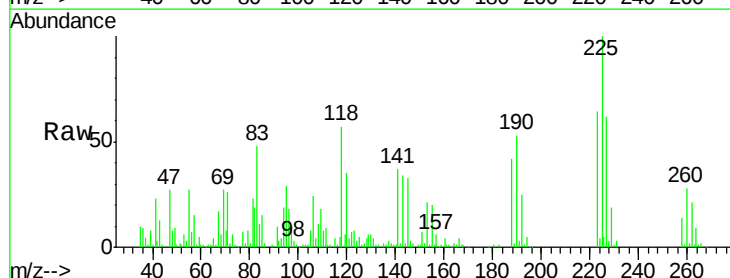
Tgt Ion:225 Resp: 166784

Ion Ratio Lower Upper

225 100

223 64.2 50.9 76.3

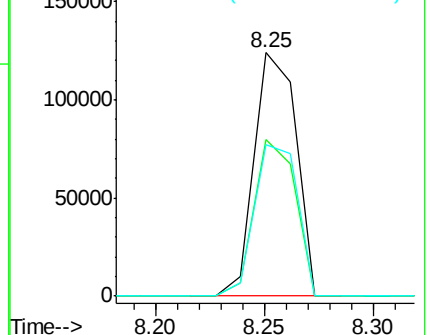
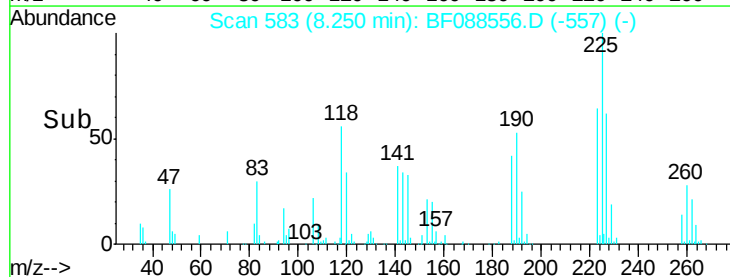
227 62.4 51.9 77.9

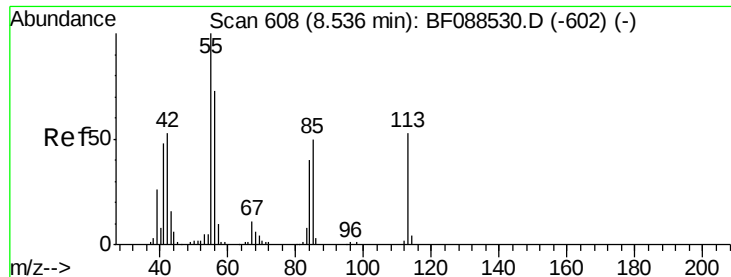


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

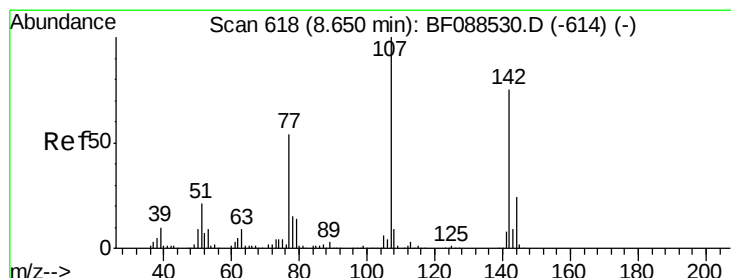
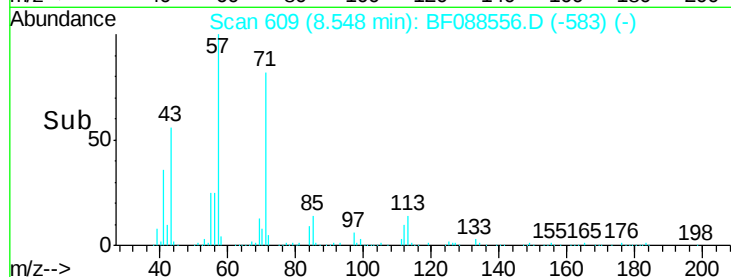
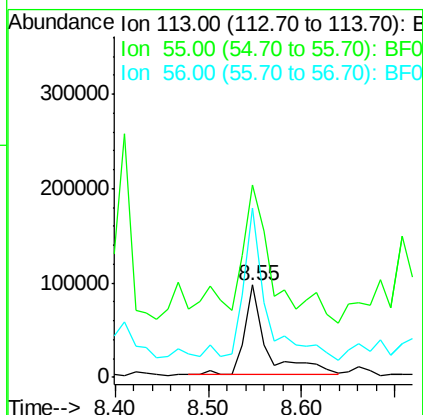
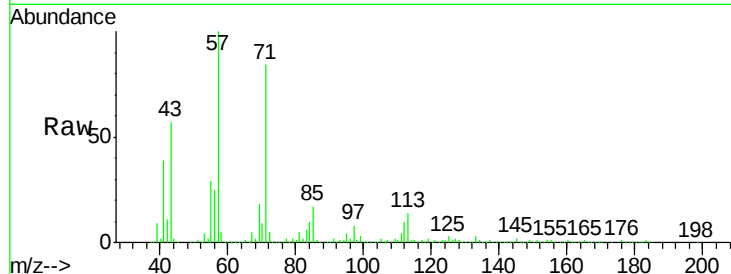




#35
Caprolactam
Concen: 77.25 ng
RT: 8.55 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

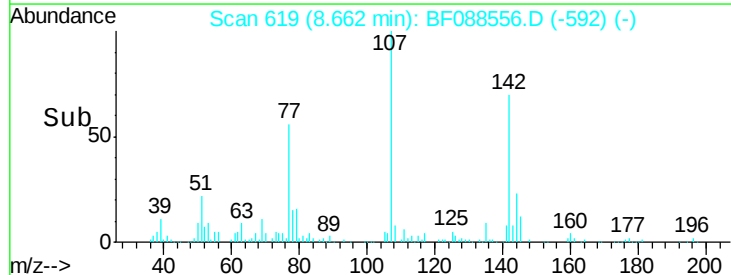
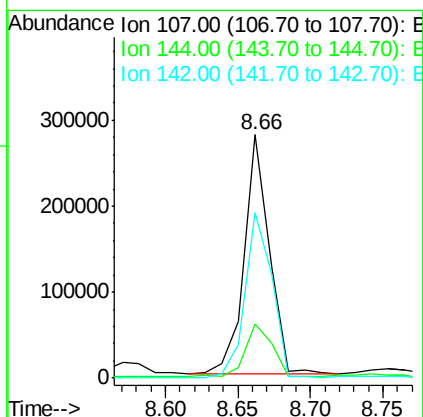
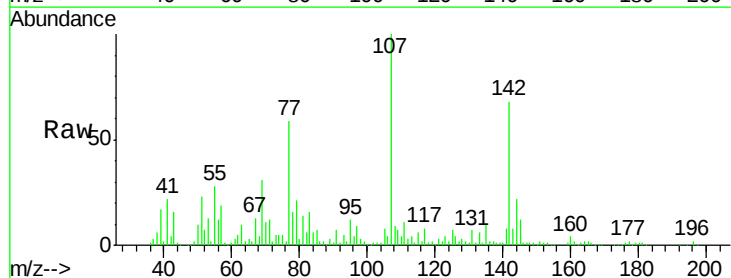
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

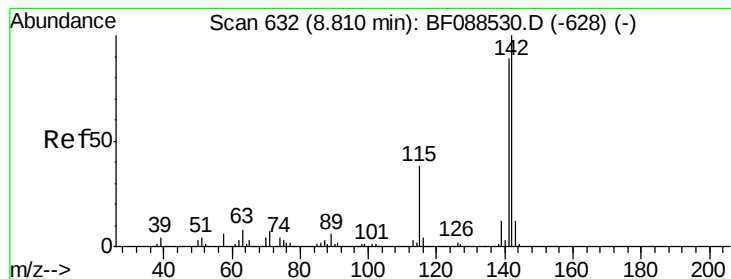
Tgt Ion:113 Resp: 158245
Ion Ratio Lower Upper
113 100
55 208.8 158.6 198.6#
56 183.9 110.6 150.6#



#36
4-Chloro-3-methylphenol
Concen: 46.73 ng
RT: 8.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:107 Resp: 333312
Ion Ratio Lower Upper
107 100
144 22.1 20.8 31.2
142 68.1 63.4 95.2

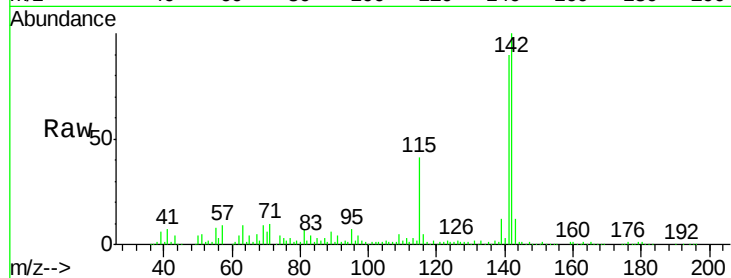




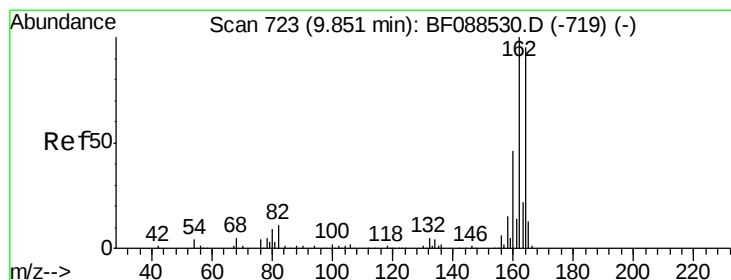
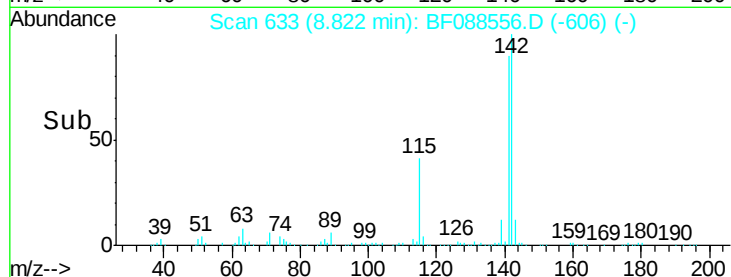
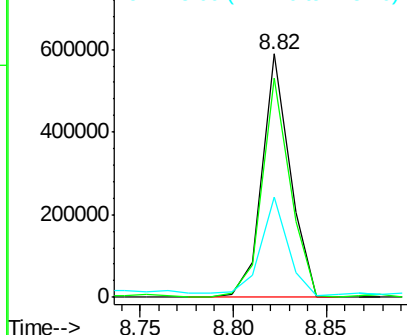
#37
2-Methylnaphthalene
Concen: 42.03 ng
RT: 8.82 min Scan# 633
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tgt Ion:142 Resp: 605904
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6
115 41.4 22.6 33.8#

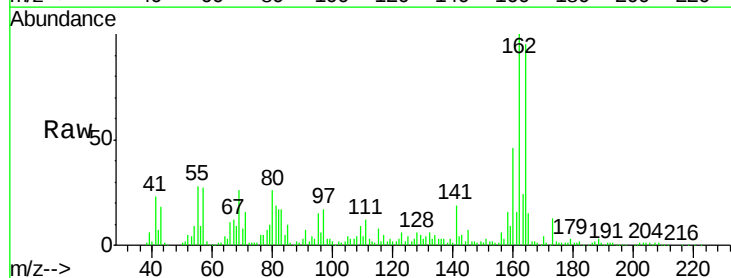


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

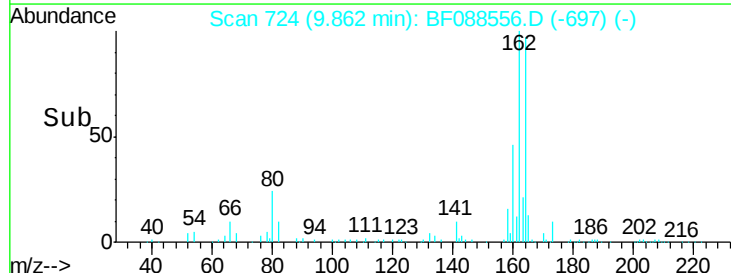
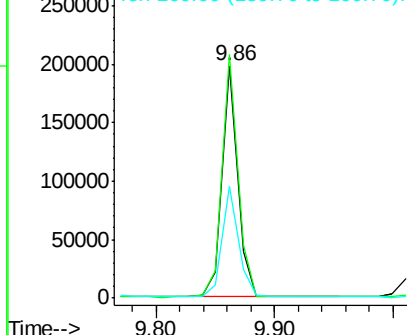


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:164 Resp: 179881
Ion Ratio Lower Upper
164 100
162 104.8 85.4 128.2
160 48.3 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.98 ng

RT: 8.99 min Scan# 648

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

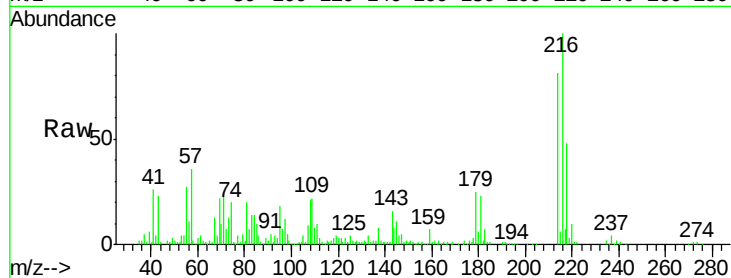
Tgt Ion:216 Resp: 269124
Ion Ratio Lower Upper

216 100

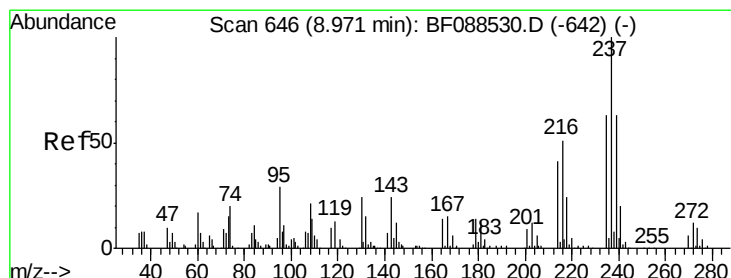
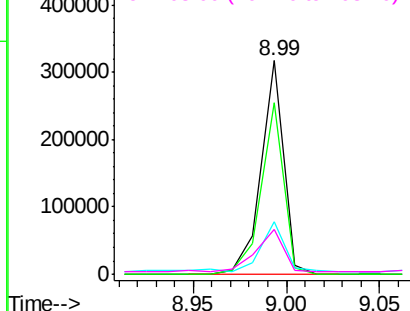
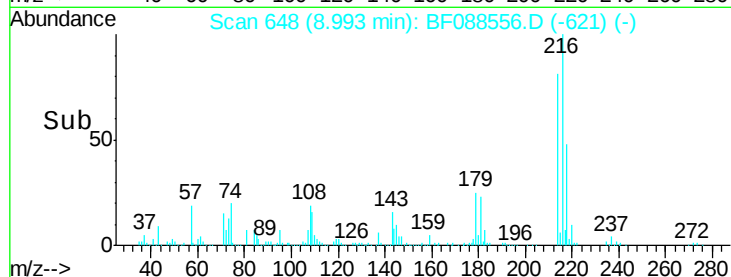
214 80.4 2.9 4.3#

179 31.6 0.0 0.0#

108 25.0 0.5 0.7#



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 53.55 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.01 min

Lab File: BF088556.D

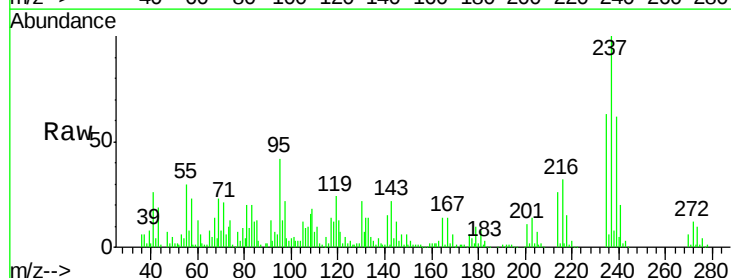
Acq: 1 Jul 2016 4:13

Tgt Ion:237 Resp: 157264
Ion Ratio Lower Upper

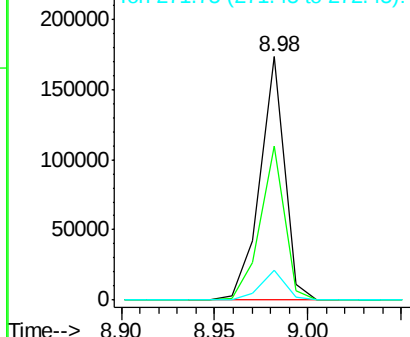
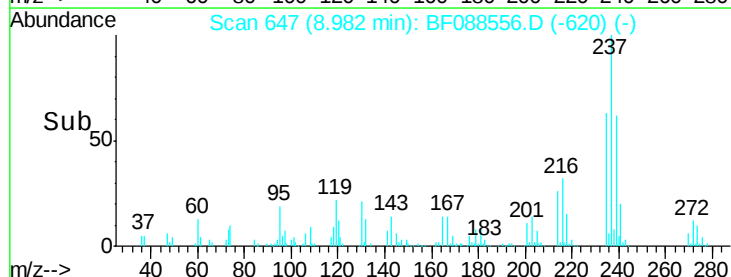
237 100

235 63.1 43.4 83.4

272 12.2 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

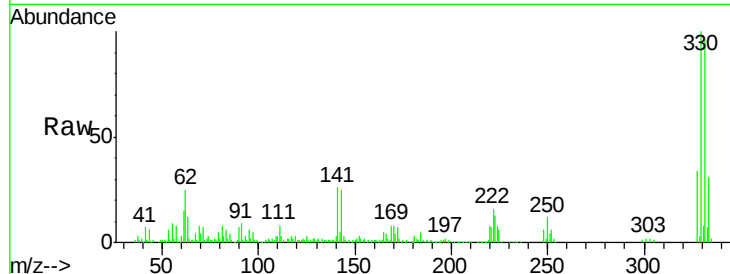




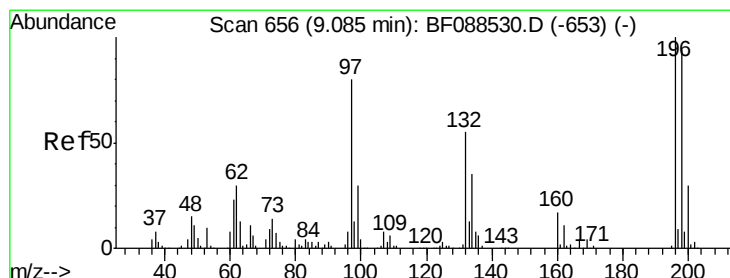
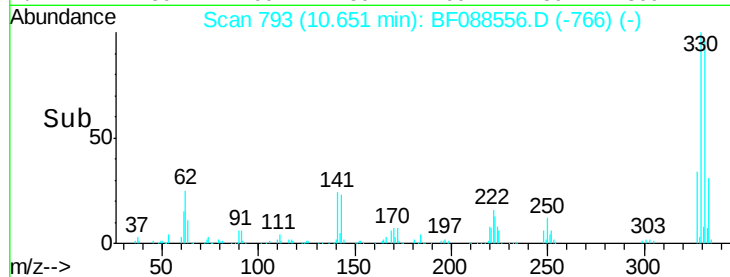
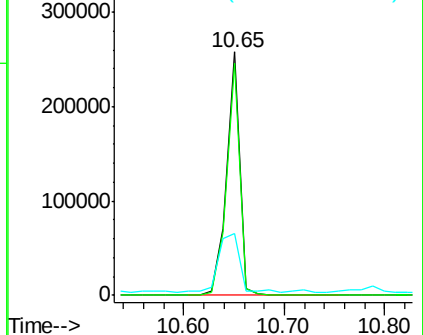
#41
 2,4,6-Tribromophenol
 Concen: 141.05 ng
 RT: 10.65 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	38.8	0.0	0.0#

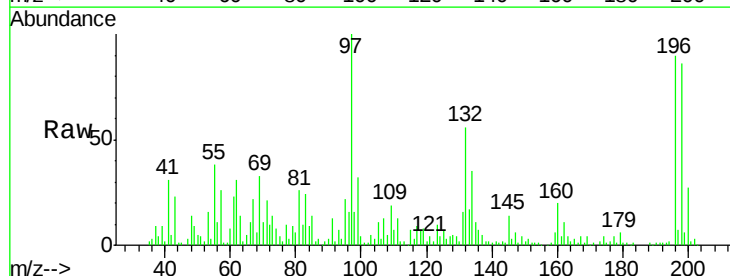


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

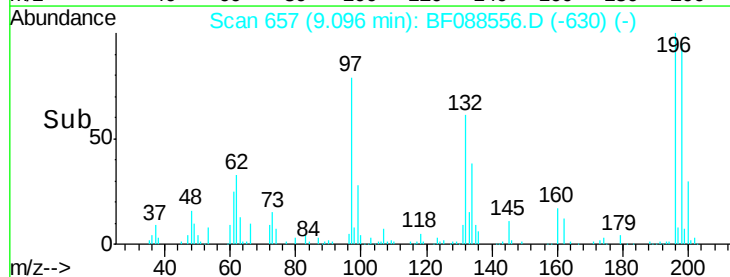
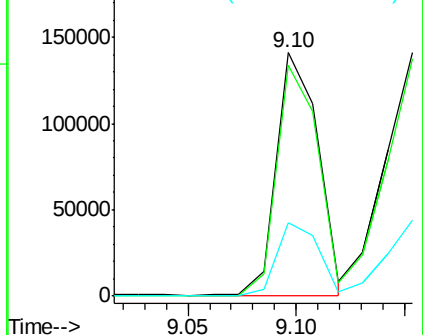


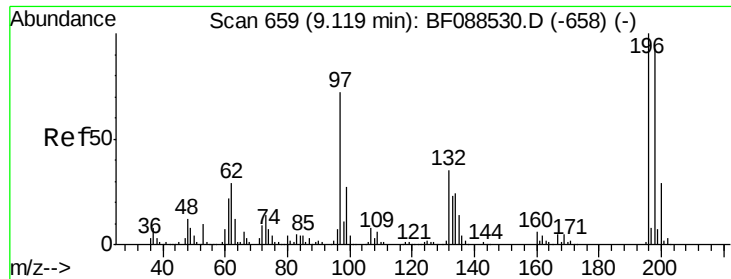
#42
 2,4,6-Trichlorophenol
 Concen: 47.65 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.8	78.0	117.0
200	29.9	25.4	38.2



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

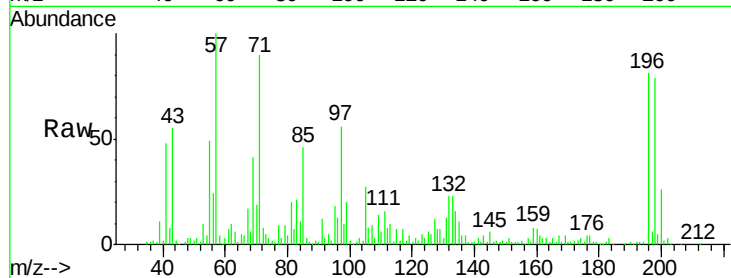




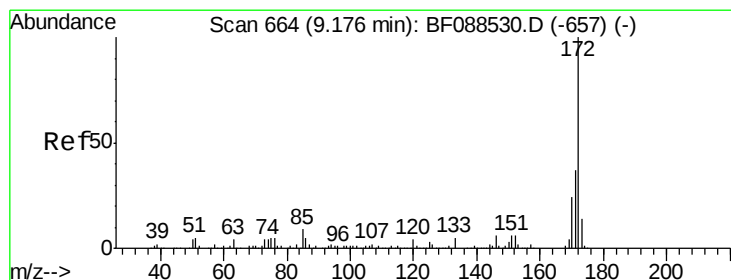
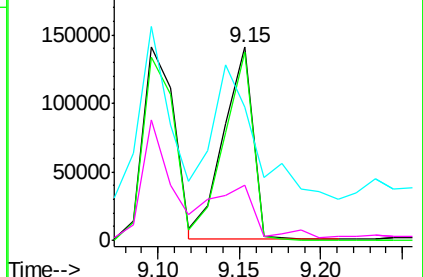
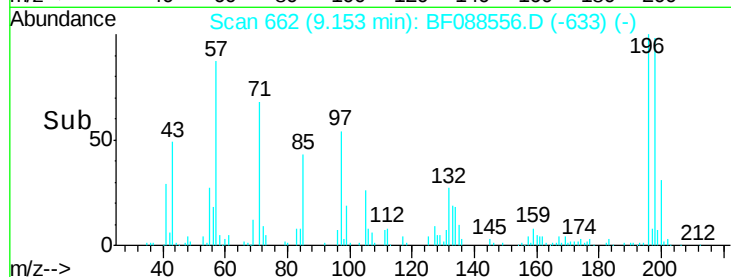
#43
 2,4,5-Trichlorophenol
 Concen: 51.26 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.03 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tgt Ion:196 Resp: 173961
 Ion Ratio Lower Upper
 196 100
 198 97.7 77.5 116.3
 97 69.1 32.0 48.0#
 132 28.4 20.9 31.3

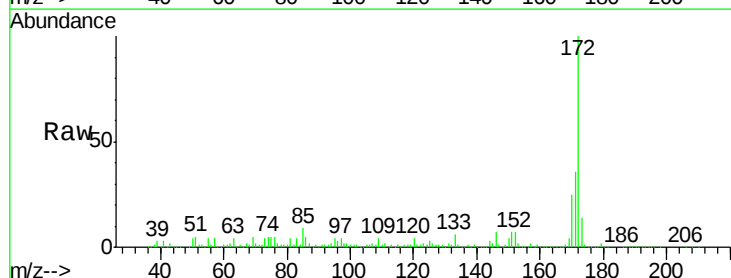


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

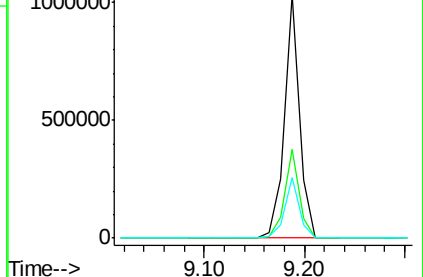
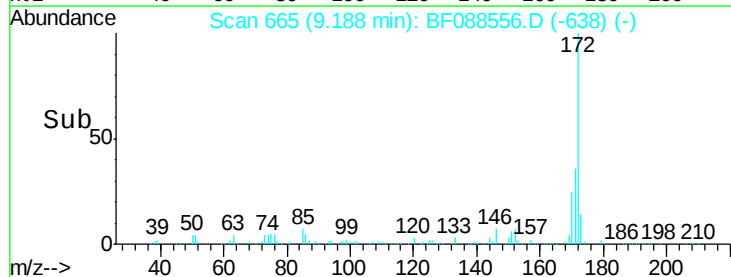


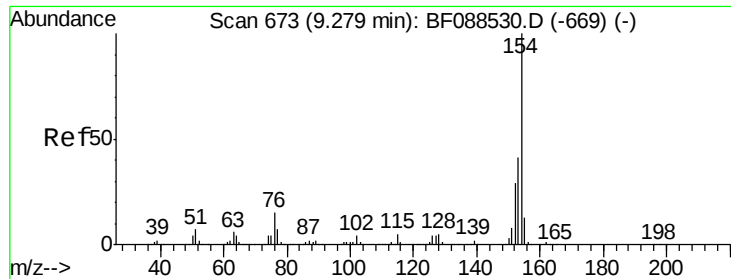
#44
 2-Fluorobiphenyl
 Concen: 93.90 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion:172 Resp: 1069376
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.7 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

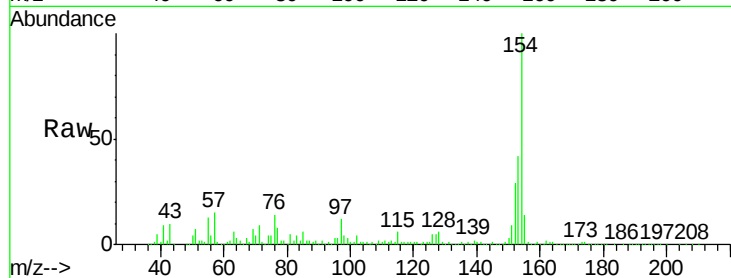




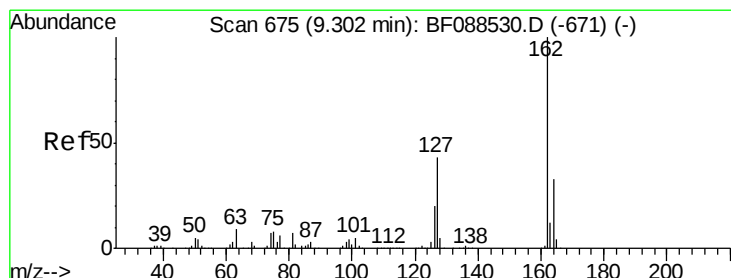
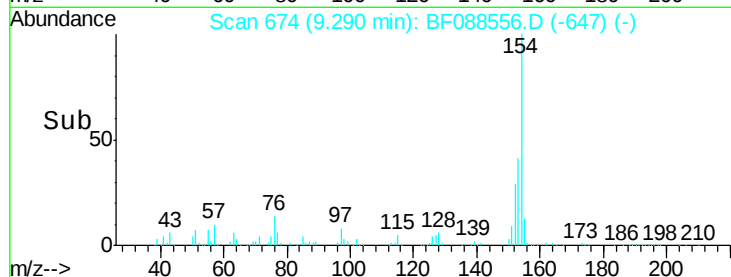
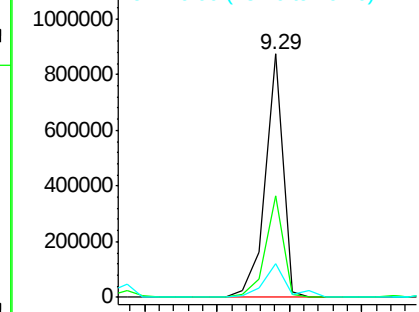
#45
 1,1'-Biphenyl
 Concen: 49.62 ng
 RT: 9.29 min Scan# 674
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.6	60.6
76	13.9	0.0	35.1

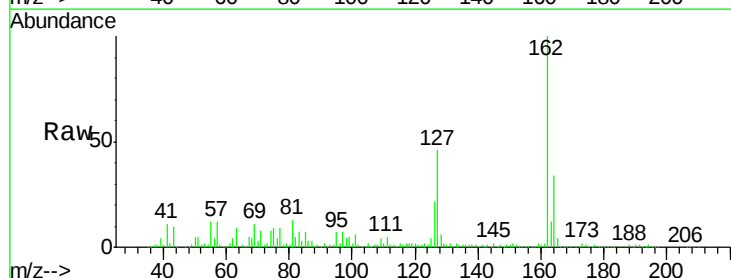


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

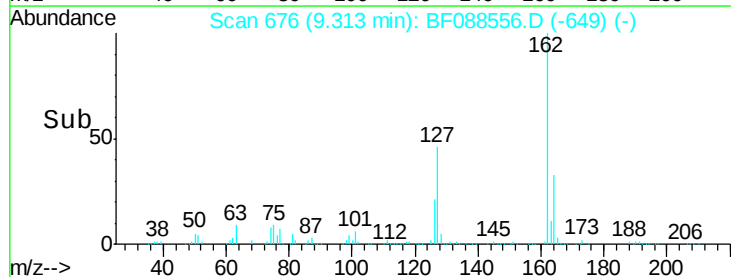
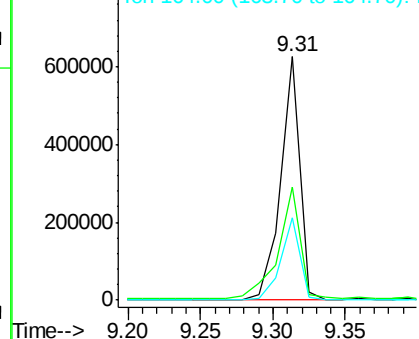


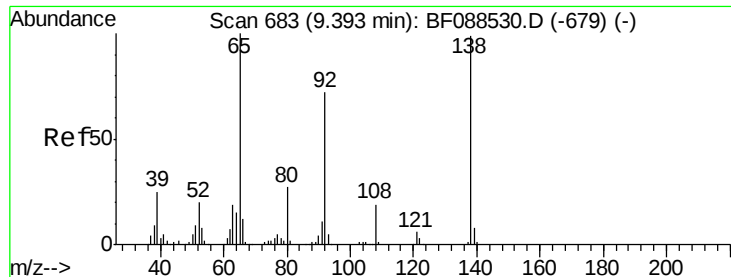
#46
 2-Chloronaphthalene
 Concen: 48.81 ng
 RT: 9.31 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
162	100		
127	46.5	35.2	52.8
164	33.6	26.6	39.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

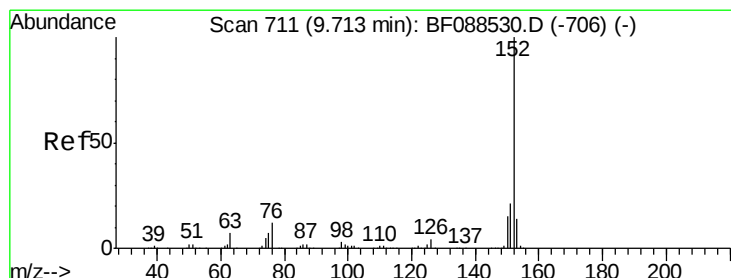
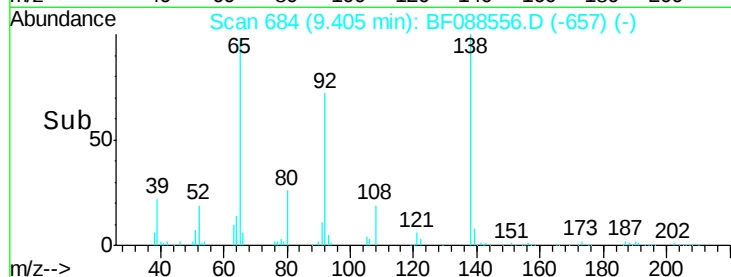
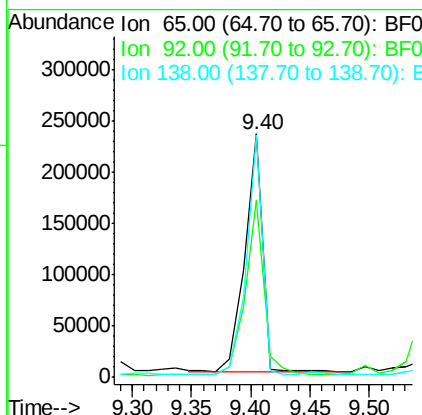
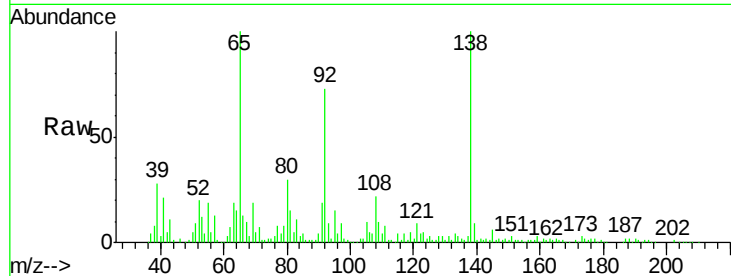




#47
2-Nitroaniline
Concen: 57.60 ng
RT: 9.40 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

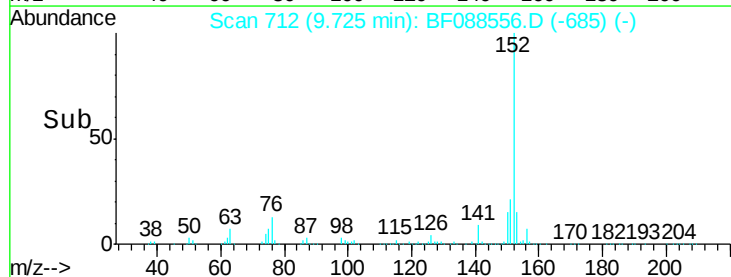
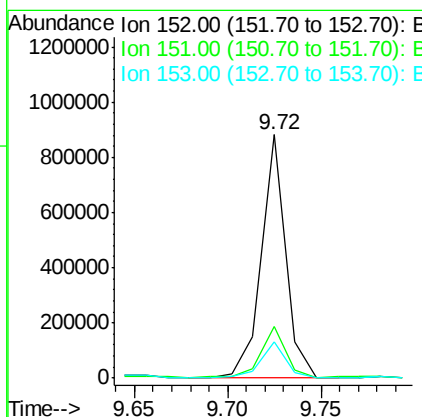
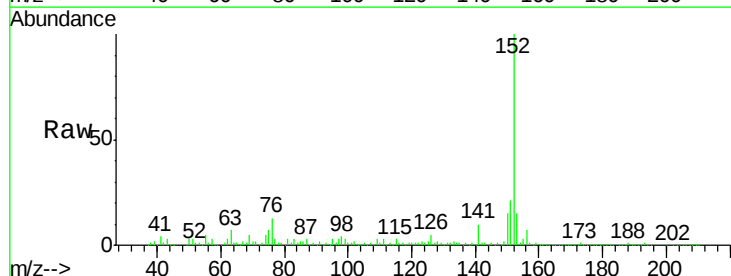
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

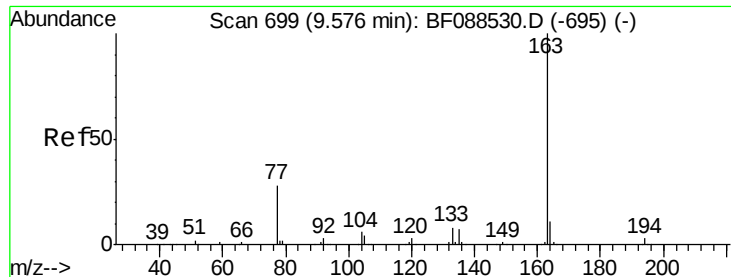
Tgt Ion: 65 Resp: 239017
Ion Ratio Lower Upper
65 100
92 72.7 54.6 82.0
138 99.6 77.0 115.4



#48
Acenaphthylene
Concen: 43.19 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion: 152 Resp: 803600
Ion Ratio Lower Upper
152 100
151 21.3 16.2 24.4
153 14.8 11.0 16.6

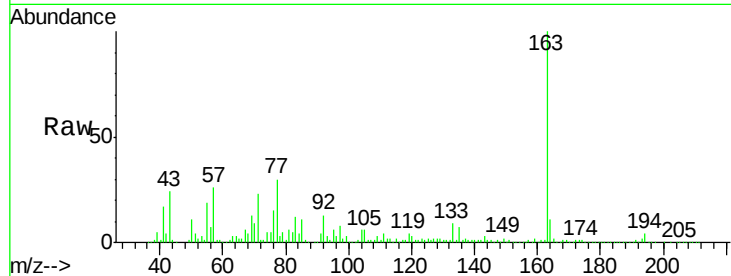




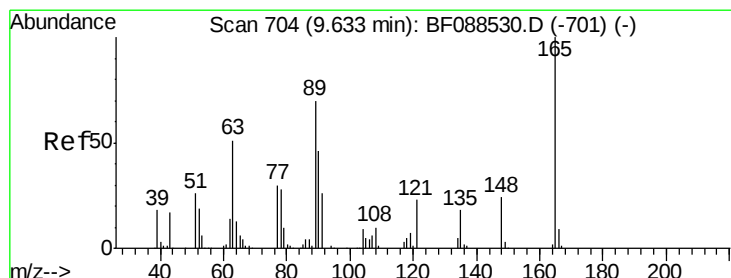
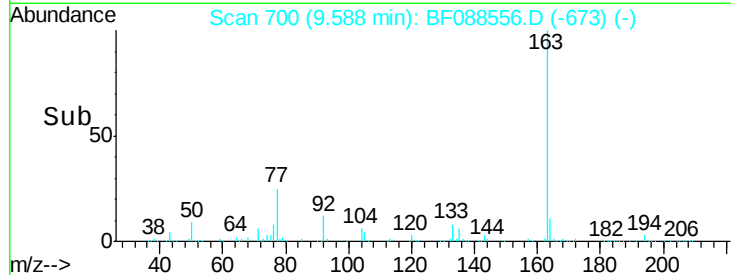
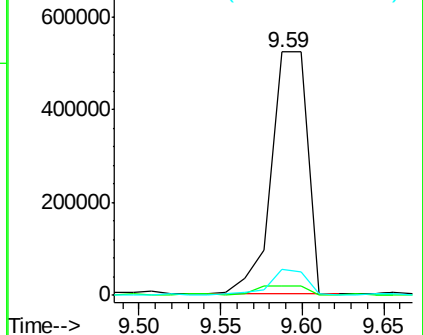
#49
Dimethylphthalate
Concen: 63.06 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tgt Ion:163 Resp: 808158
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.8 8.3 12.5

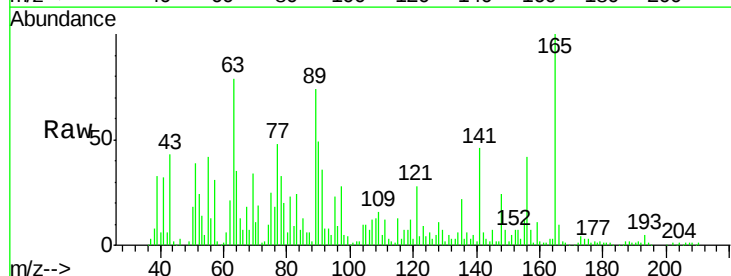


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

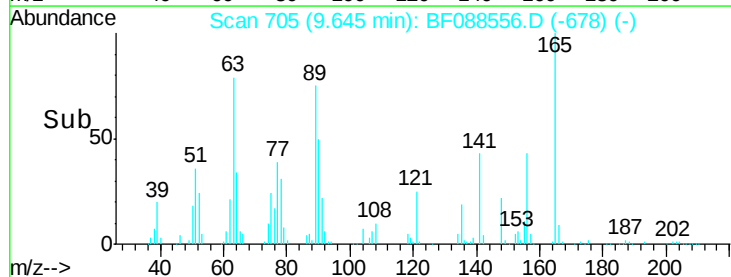
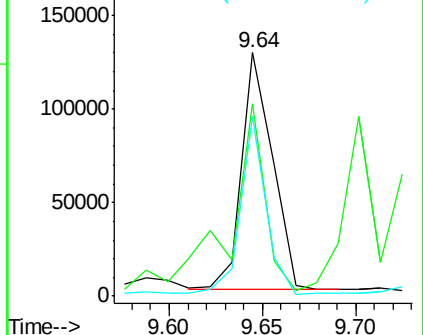


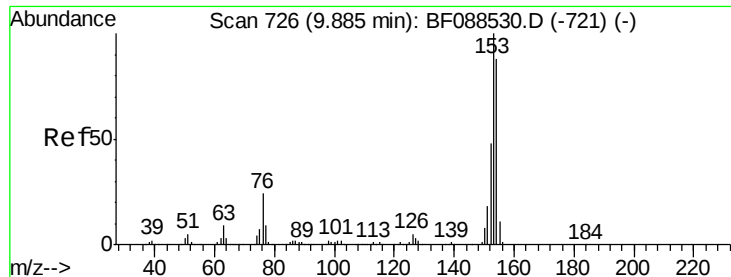
#50
2,6-Dinitrotoluene
Concen: 51.46 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:165 Resp: 146148
Ion Ratio Lower Upper
165 100
63 79.0 28.1 42.1#
89 73.8 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.09 ng

RT: 9.90 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

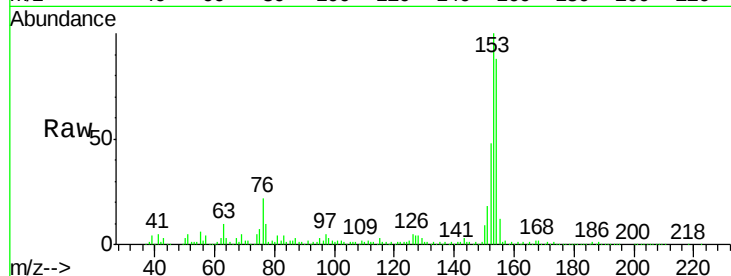
Tgt Ion:154 Resp: 514280

Ion Ratio Lower Upper

154 100

153 114.2 89.5 134.3

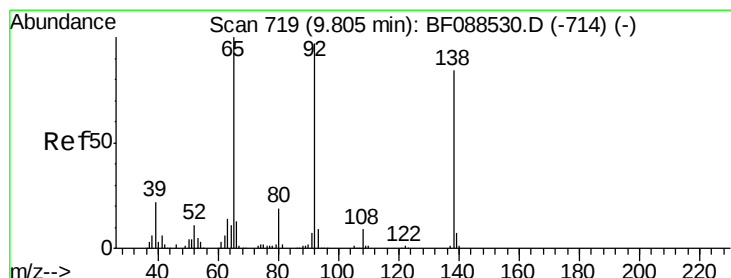
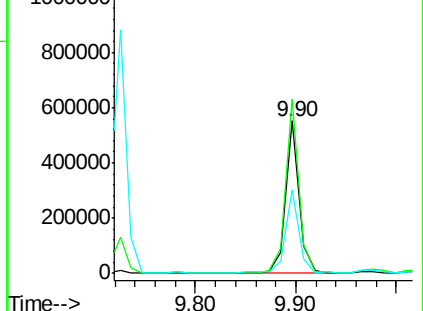
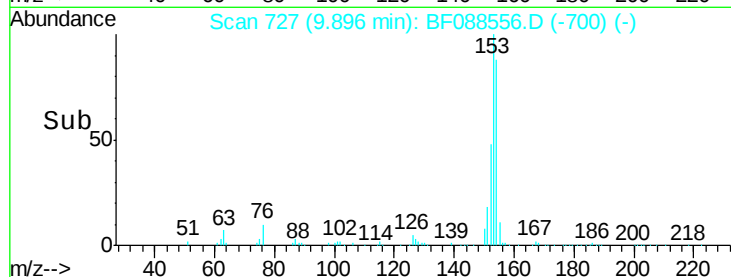
152 55.2 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 31.48 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

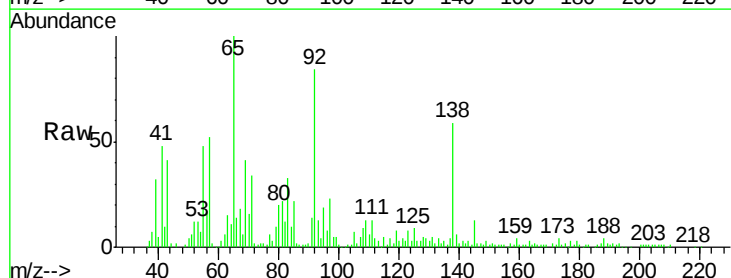
Tgt Ion:138 Resp: 113648

Ion Ratio Lower Upper

138 100

108 15.6 8.5 12.7#

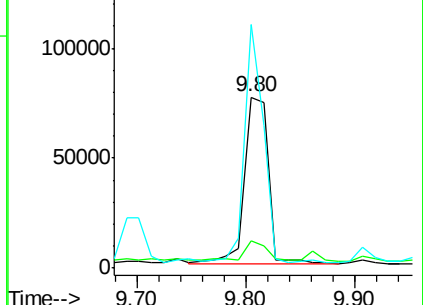
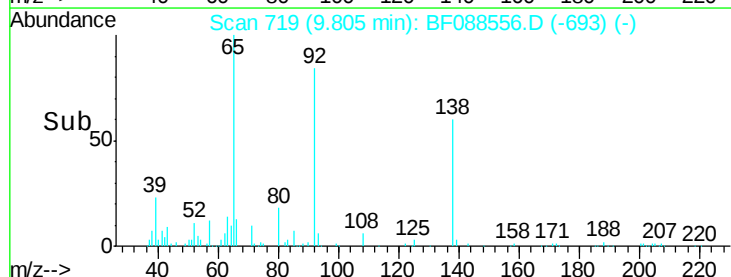
92 142.4 95.7 143.5

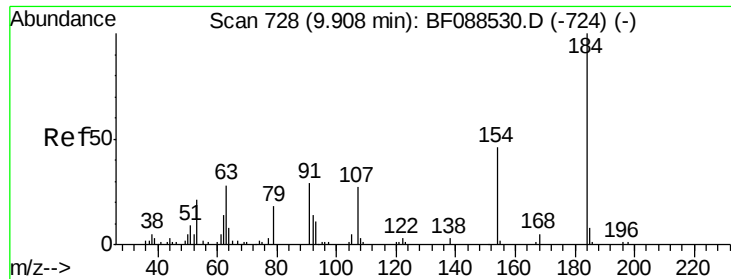


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

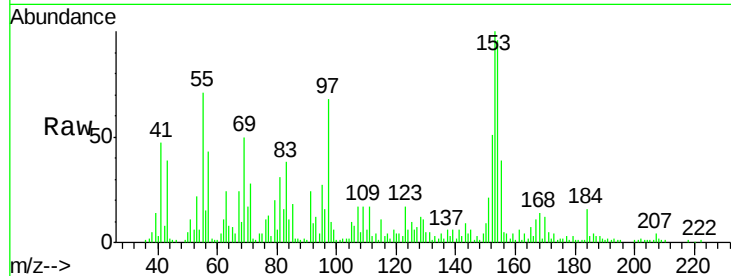




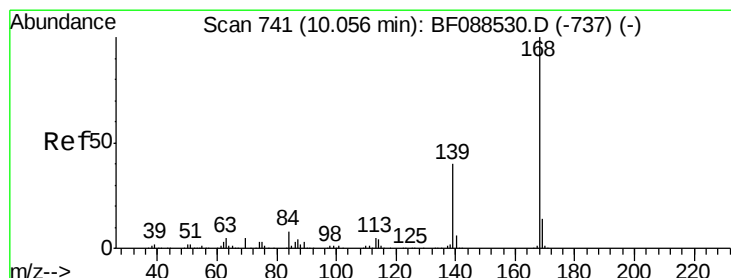
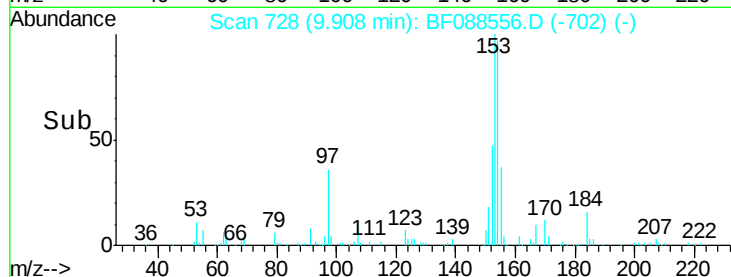
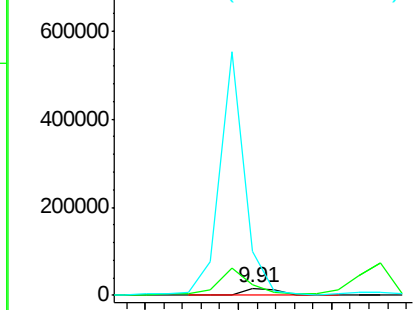
#53
2,4-Dinitrophenol
Concen: 17.06 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tgt Ion:184 Resp: 21399
Ion Ratio Lower Upper
184 100
63 149.8 57.6 86.4#
154 607.8 53.5 80.3#

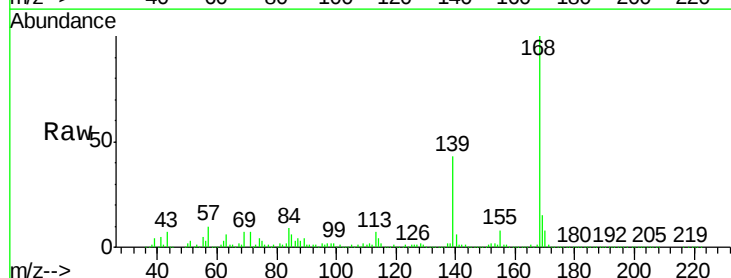


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

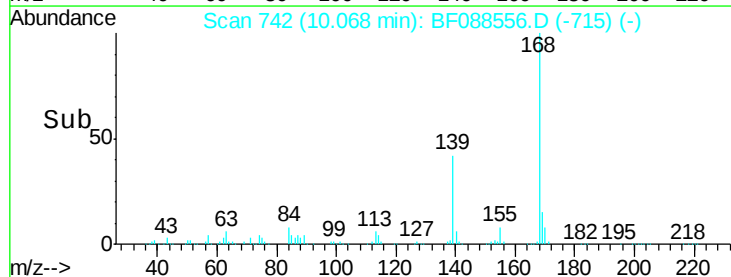
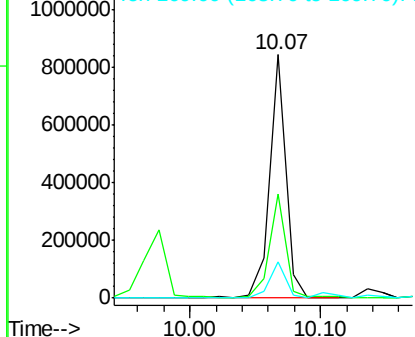


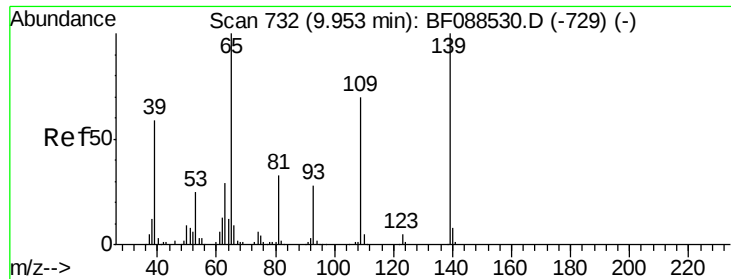
#54
Dibenzofuran
Concen: 49.65 ng
RT: 10.07 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:168 Resp: 741176
Ion Ratio Lower Upper
168 100
139 42.8 26.4 39.6#
169 15.0 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

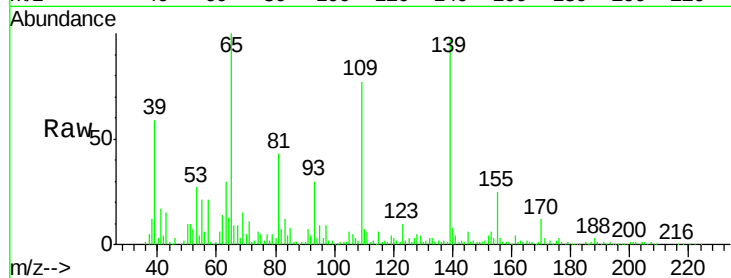




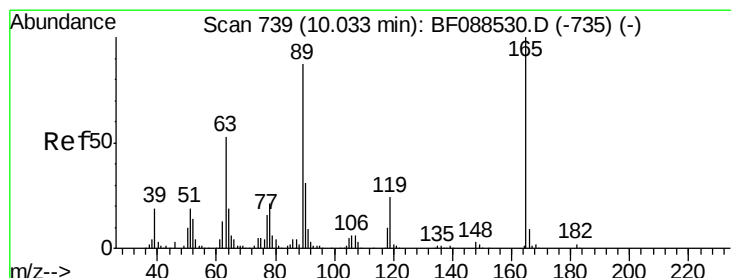
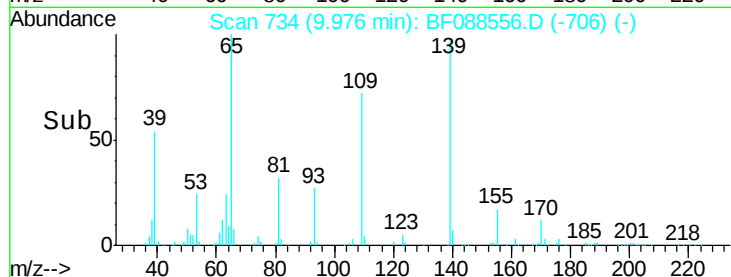
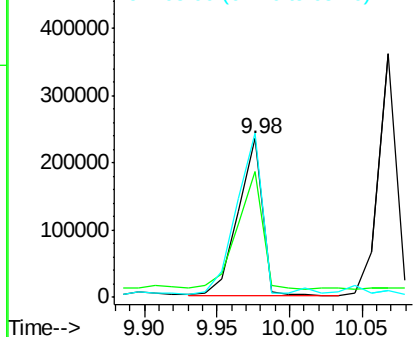
#55
4-Nitrophenol
Concen: 98.59 ng
RT: 9.98 min Scan# 734
Delta R.T. 0.02 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tgt Ion:139 Resp: 270506
Ion Ratio Lower Upper
139 100
109 79.6 48.9 88.9
65 103.3 84.9 124.9



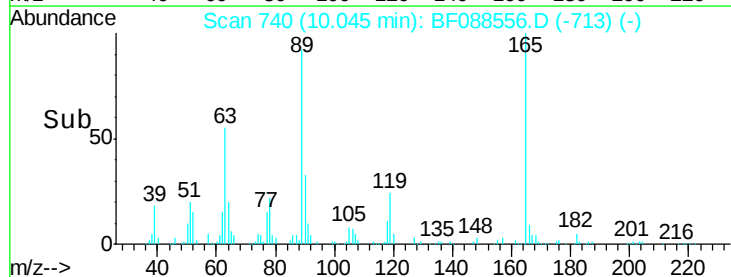
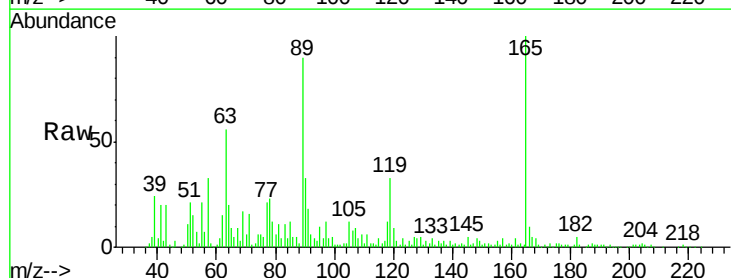
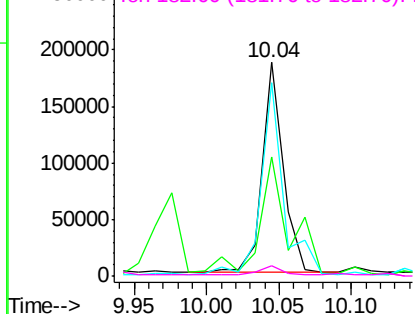
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

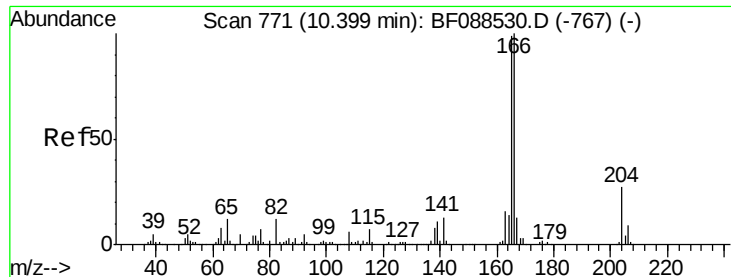


#56
2,4-Dinitrotoluene
Concen: 50.32 ng
RT: 10.04 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:165 Resp: 186868
Ion Ratio Lower Upper
165 100
63 56.0 22.0 33.0#
89 90.4 41.1 61.7#
182 4.9 2.0 3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 53.88 ng

RT: 10.41 min Scan# 772

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

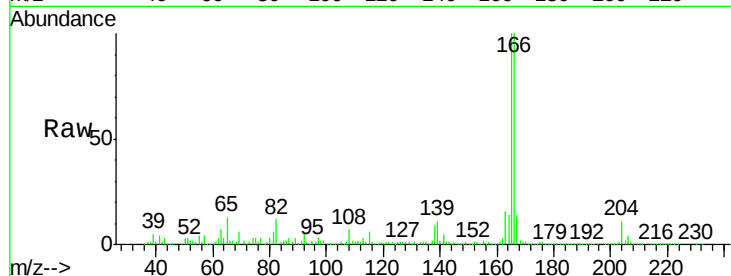
Tgt Ion:166 Resp: 619798

Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.8

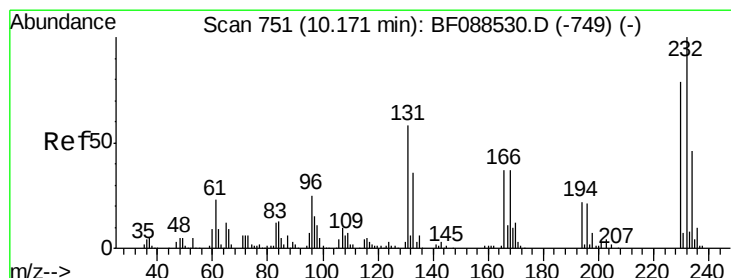
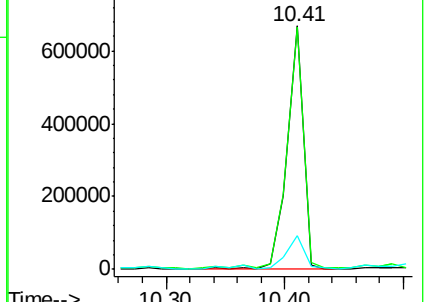
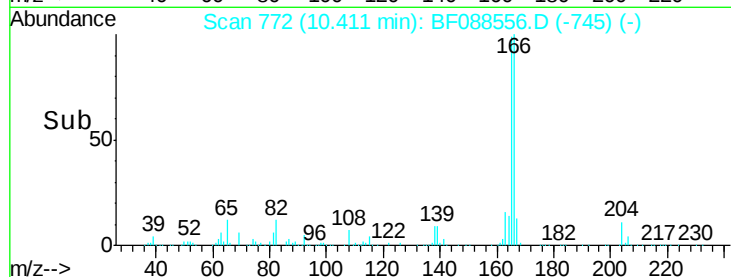
167 13.7 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.18 ng

RT: 10.18 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:232 Resp: 131770

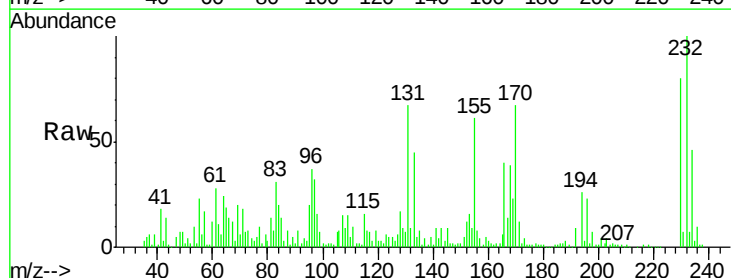
Ion Ratio Lower Upper

232 100

131 59.7 0.9 1.3#

130 6.0 1.5 2.3#

166 35.3 0.5 0.7#

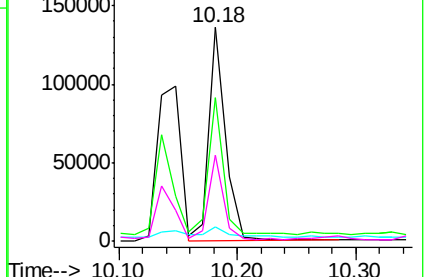
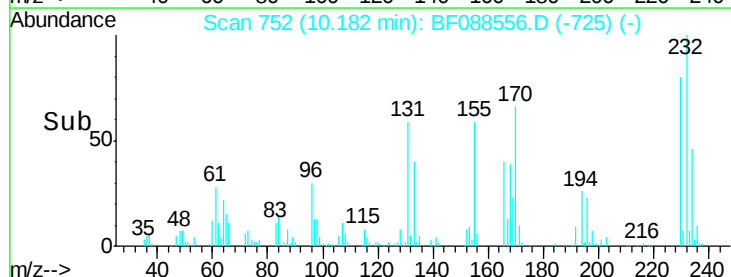


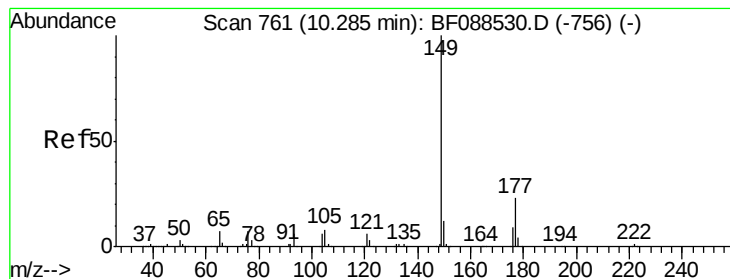
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 52.61 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

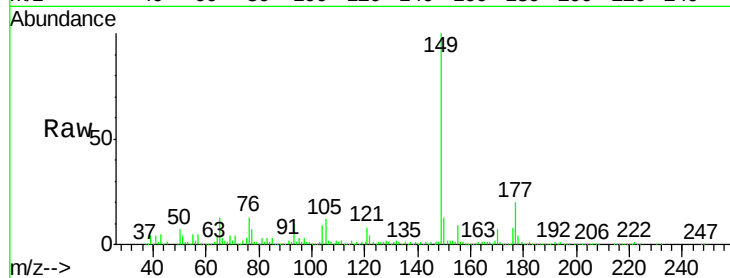
Tgt Ion:149 Resp: 676595

Ion Ratio Lower Upper

149 100

177 20.0 16.9 25.3

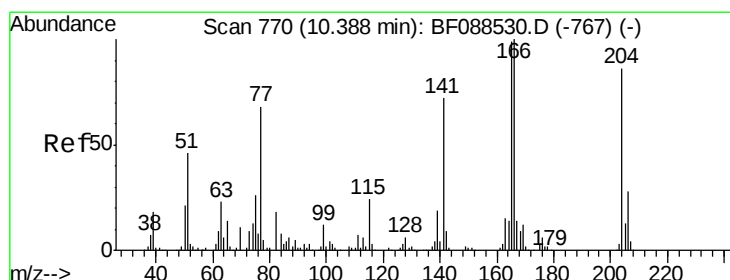
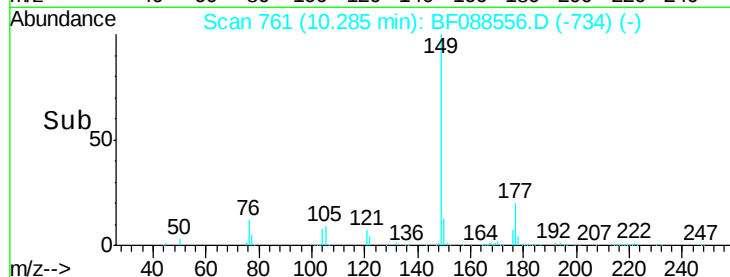
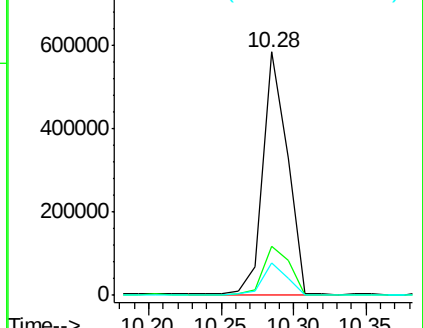
150 13.2 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.39 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

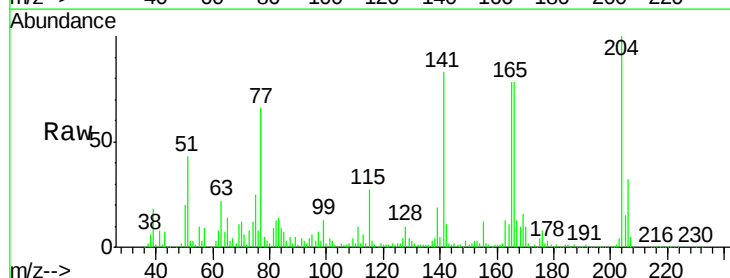
Tgt Ion:204 Resp: 237289

Ion Ratio Lower Upper

204 100

206 32.3 26.3 39.5

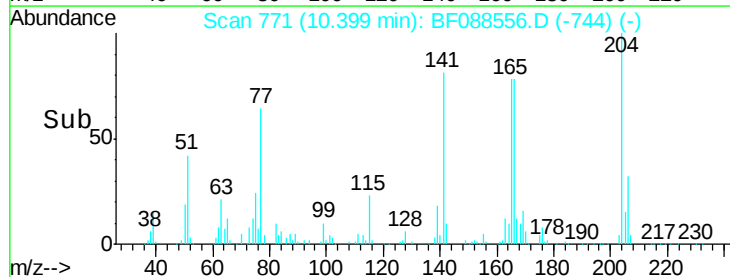
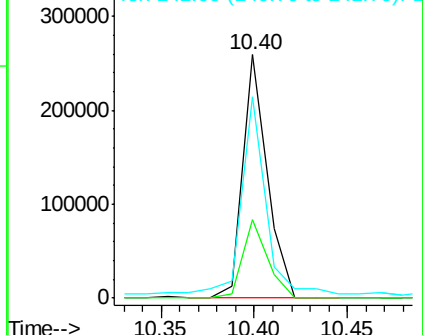
141 82.8 55.0 82.6#

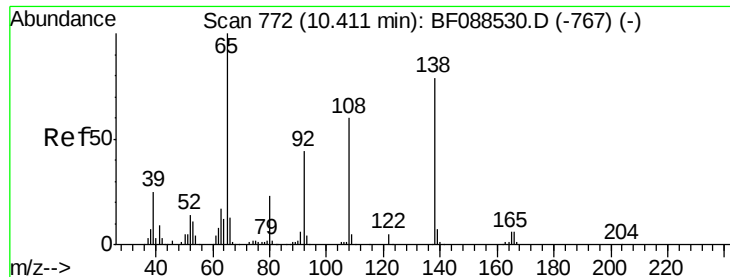


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 43.00 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

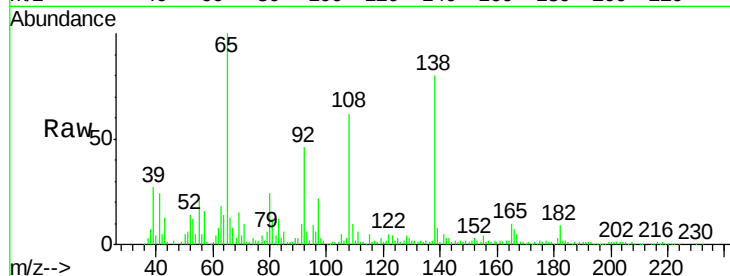
Tgt Ion:138 Resp: 149395

Ion Ratio Lower Upper

138 100

92 57.2 27.3 67.3

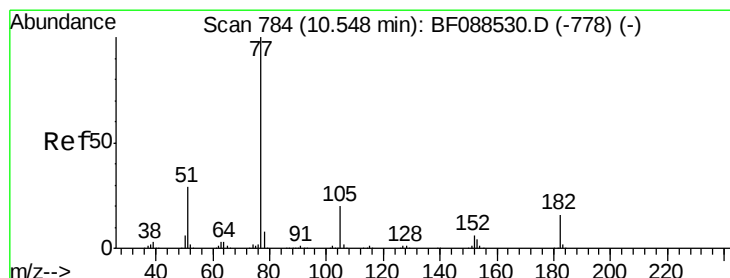
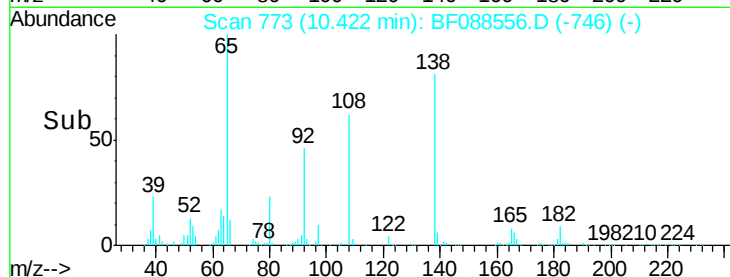
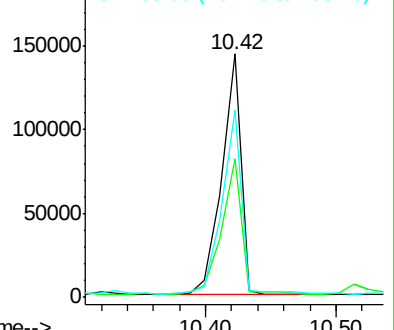
108 77.2 46.7 86.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 50.11 ng

RT: 10.56 min Scan# 785

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion: 77 Resp: 735106

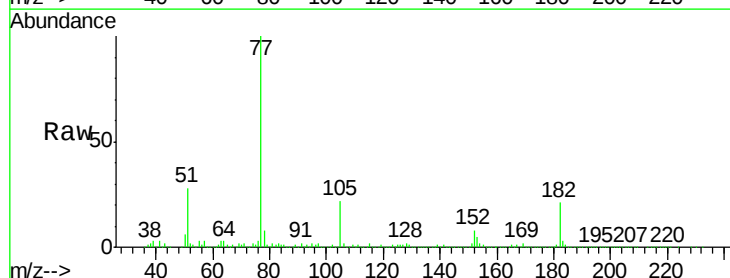
Ion Ratio Lower Upper

77 100

182 20.8 4.4 44.4

105 22.0 3.8 43.8

51 28.3 9.3 49.3

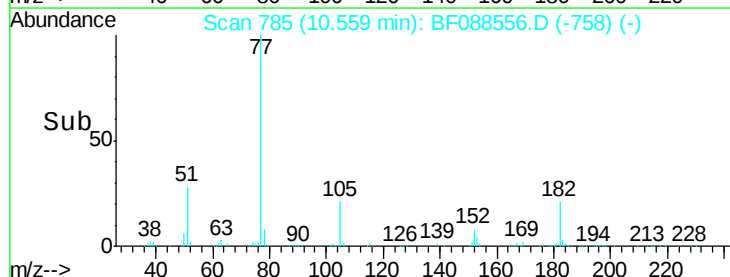
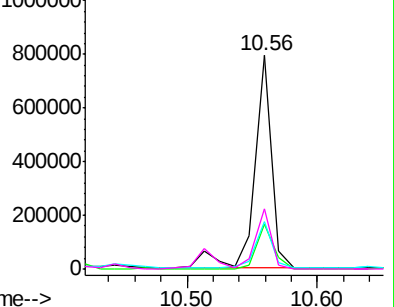


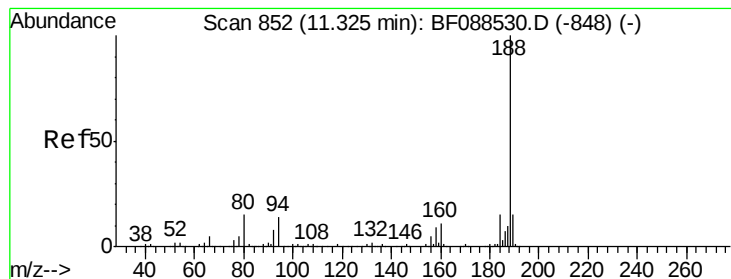
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

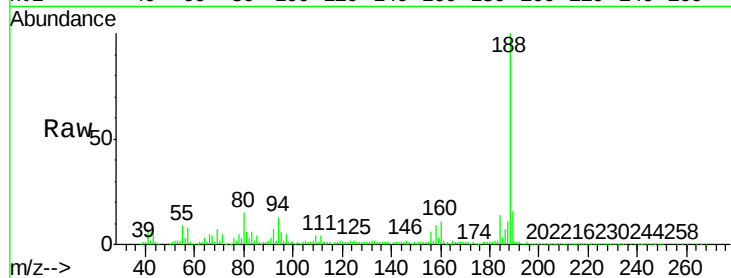
Tgt Ion:188 Resp: 300364

Ion Ratio Lower Upper

188 100

94 12.7 9.0 13.6

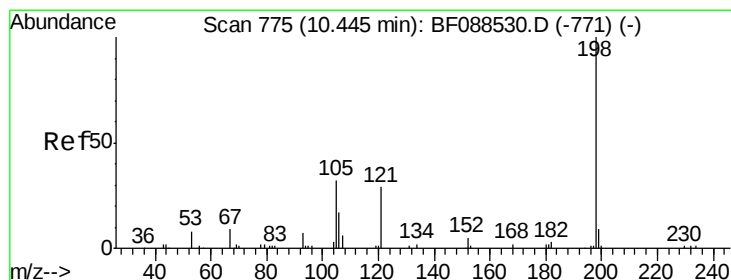
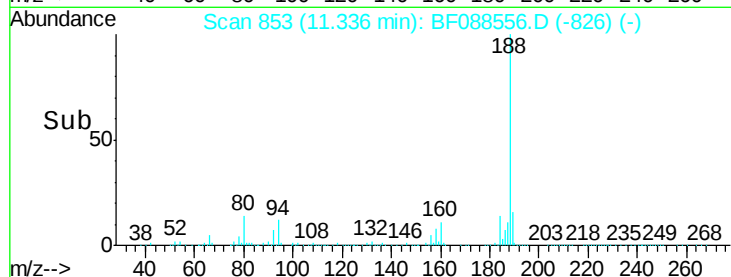
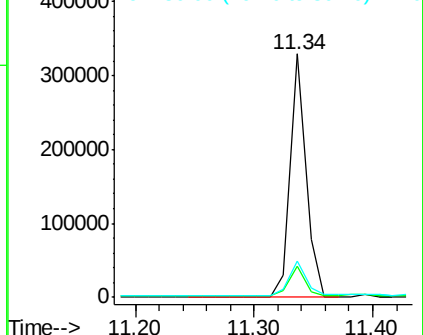
80 14.8 10.0 15.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 16.61 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

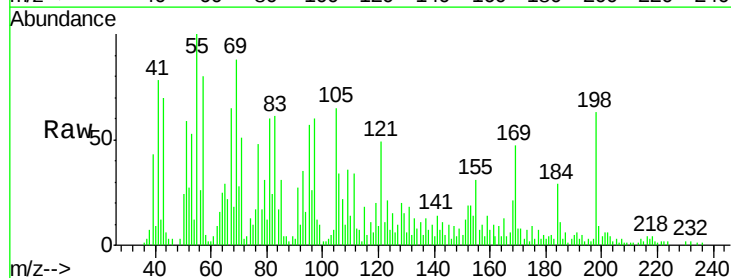
Tgt Ion:198 Resp: 26692

Ion Ratio Lower Upper

198 100

51 93.0 39.6 79.6#

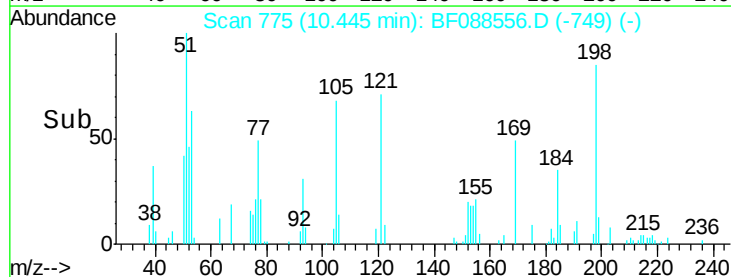
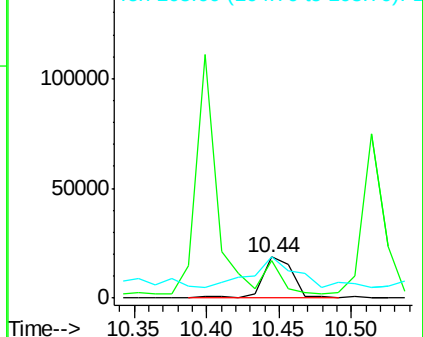
105 102.4 36.6 76.6#

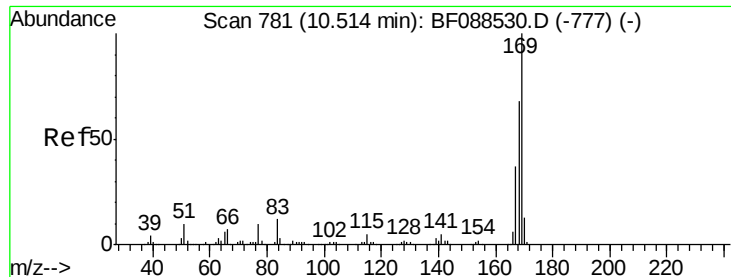


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 54.71 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

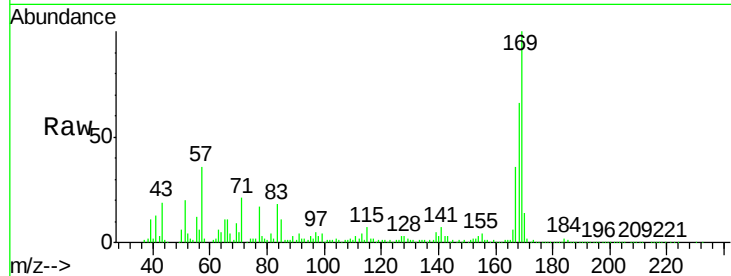
Tgt Ion:169 Resp: 556177

Ion Ratio Lower Upper

169 100

168 65.7 53.4 80.0

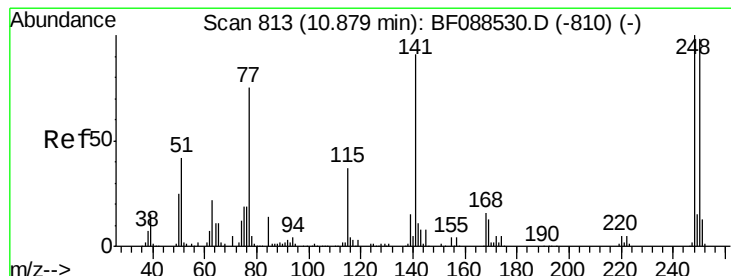
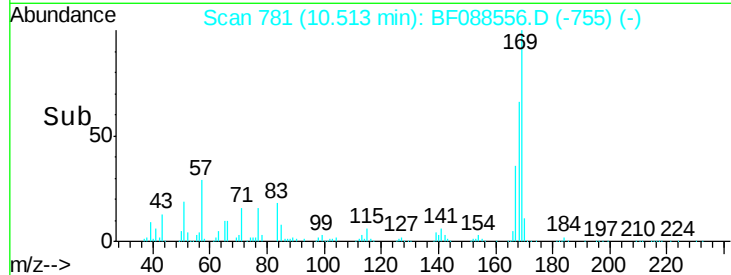
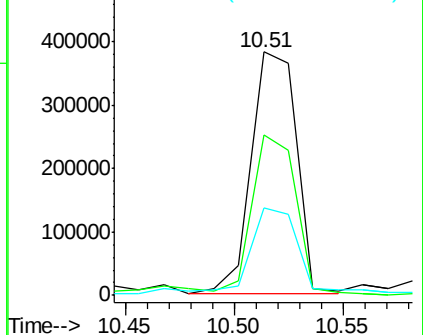
167 36.2 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 53.06 ng

RT: 10.89 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

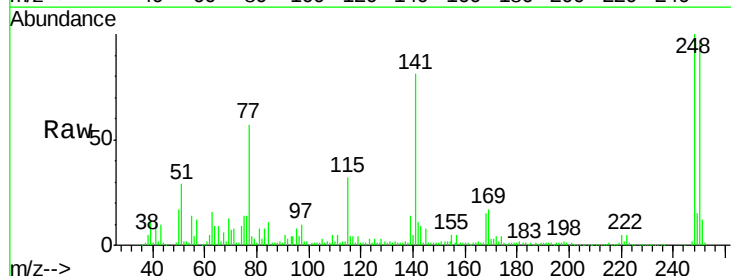
Tgt Ion:248 Resp: 160621

Ion Ratio Lower Upper

248 100

250 96.5 77.1 115.7

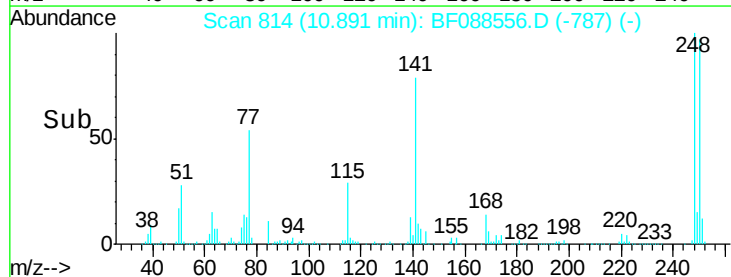
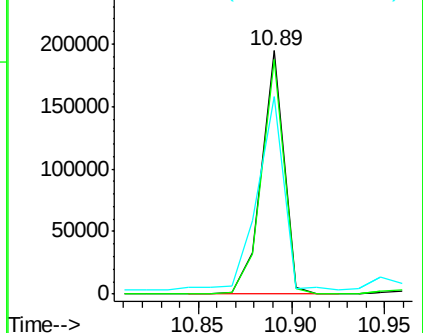
141 81.4 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

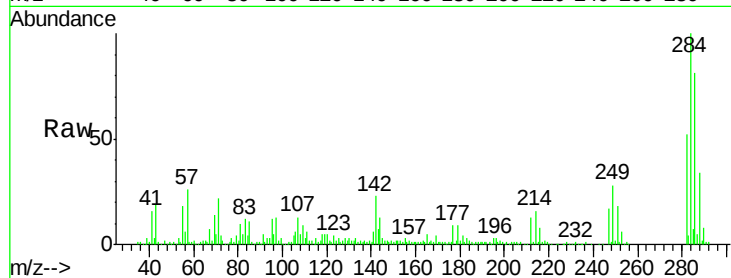




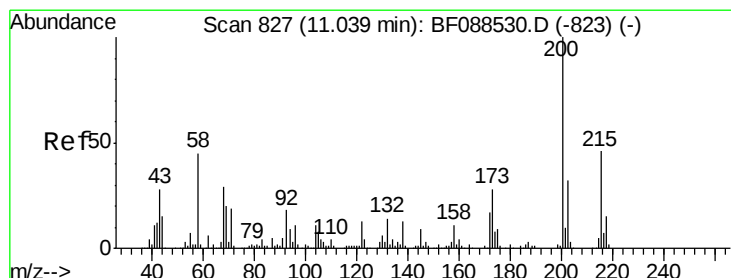
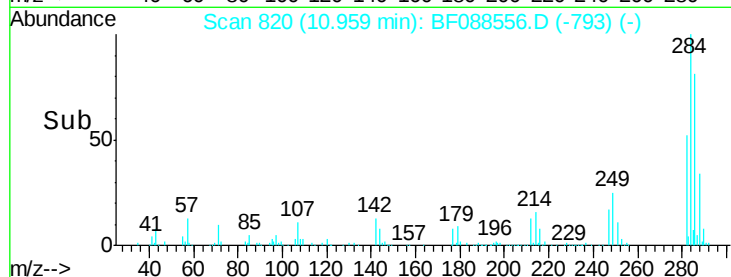
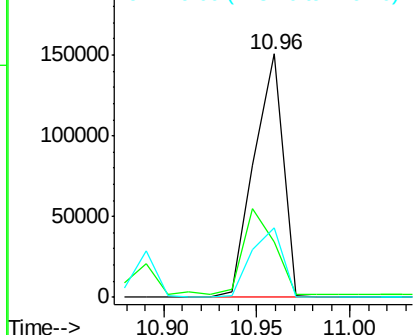
#67
Hexachlorobenzene
Concen: 48.52 ng
RT: 10.96 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tgt Ion:284 Resp: 162569
Ion Ratio Lower Upper
284 100
142 22.6 35.8 53.8#
249 28.5 25.8 38.6

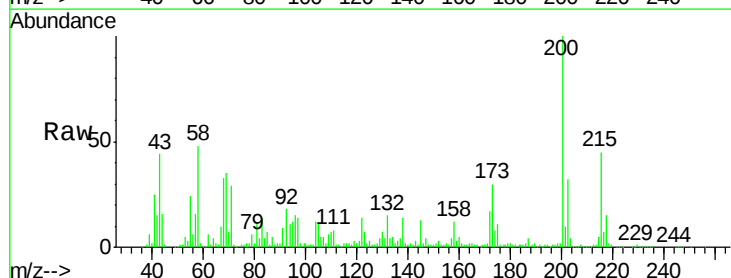


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

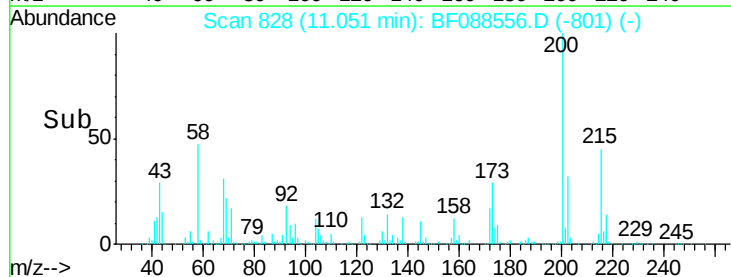
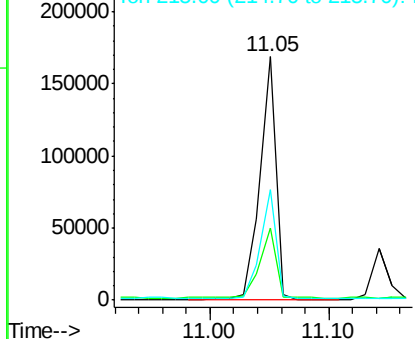


#68
Atrazine
Concen: 51.26 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion:200 Resp: 162360
Ion Ratio Lower Upper
200 100
173 29.6 4.0 44.0
215 45.2 29.3 69.3



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

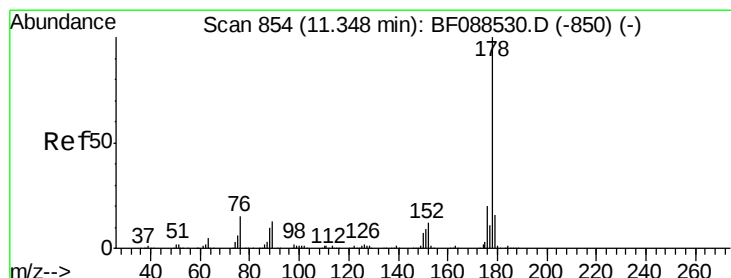
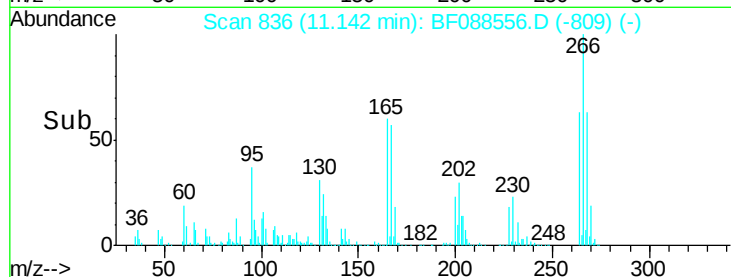
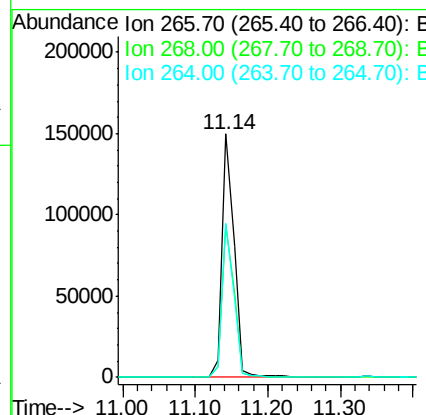
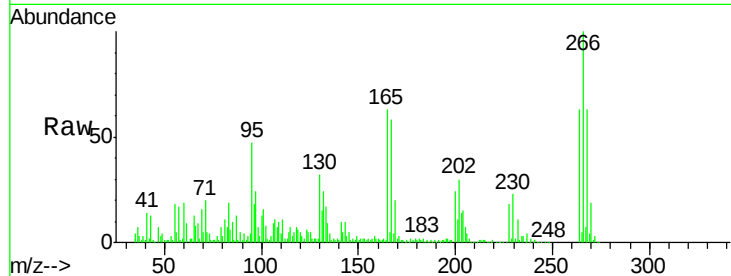




#69
 Pentachlorophenol
 Concen: 87.71 ng
 RT: 11.14 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

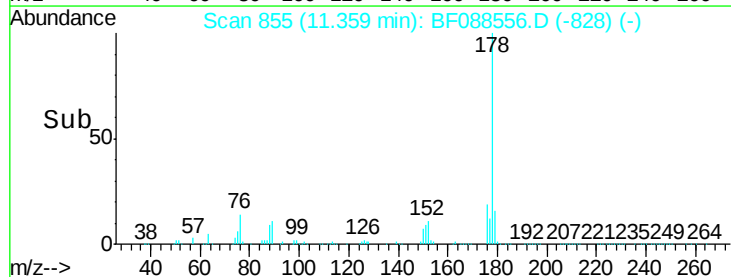
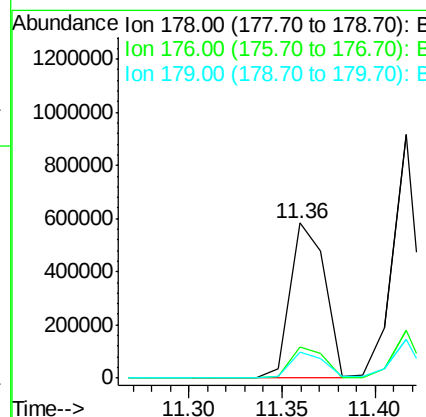
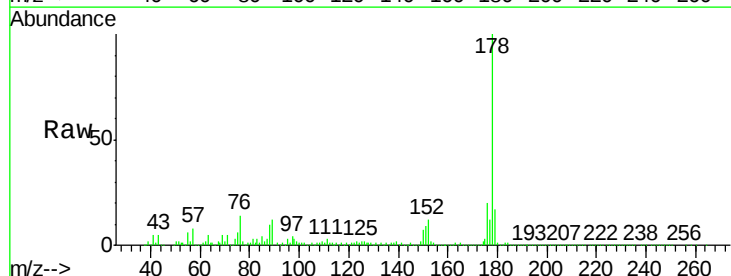
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

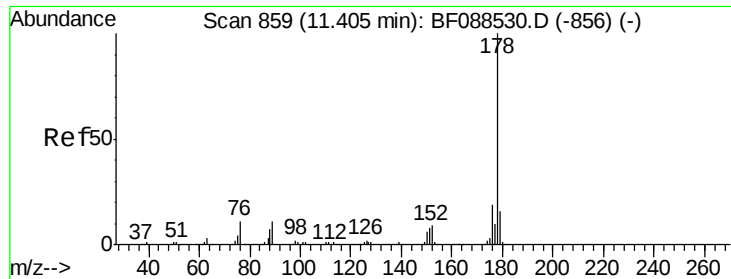
Tgt Ion:266 Resp: 173925
 Ion Ratio Lower Upper
 266 100
 268 63.0 52.8 79.2
 264 63.1 49.6 74.4



#70
 Phenanthrene
 Concen: 45.68 ng
 RT: 11.36 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion:178 Resp: 749967
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.6
 179 16.5 13.0 19.4

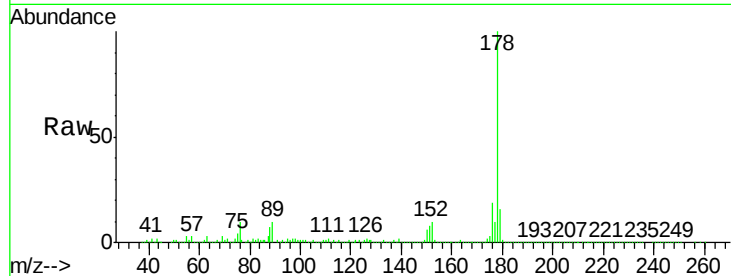




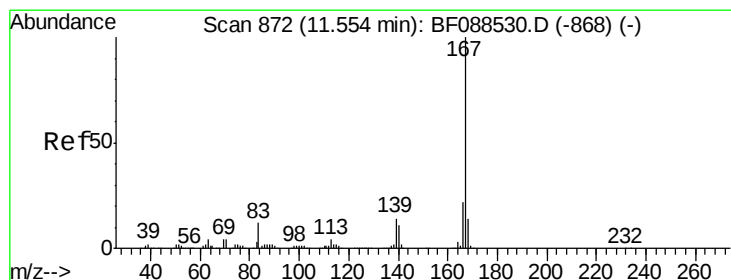
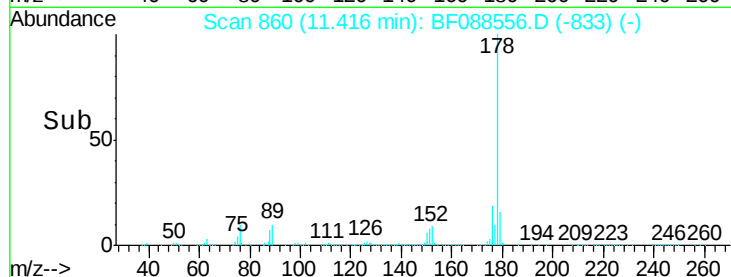
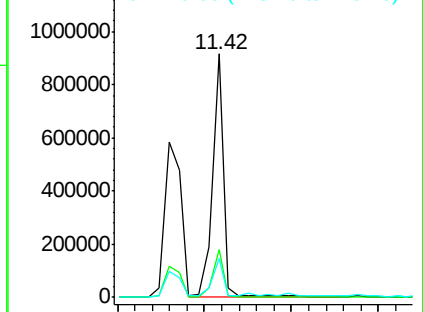
#71
 Anthracene
 Concen: 49.21 ng
 RT: 11.42 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tgt Ion:178 Resp: 803465
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 15.9 12.8 19.2

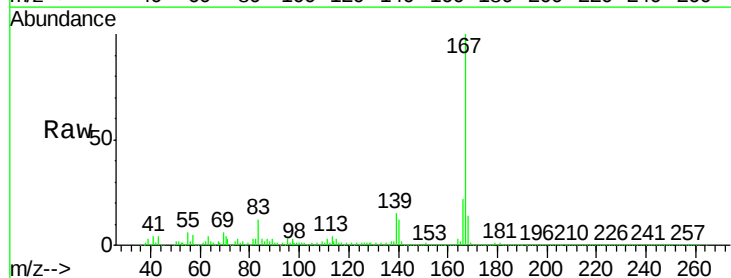


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

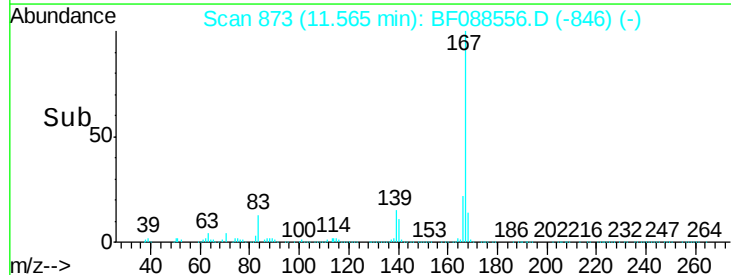
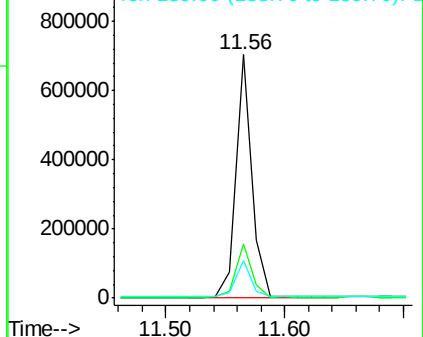


#72
 Carbazole
 Concen: 42.43 ng
 RT: 11.56 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion:167 Resp: 651955
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.6
 139 15.2 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.72 ng

RT: 11.91 min Scan# 903

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

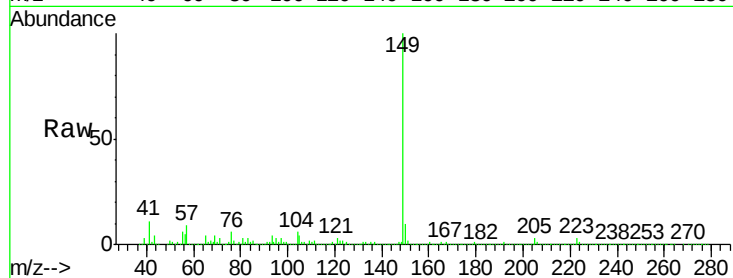
Tgt Ion:149 Resp: 835009

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

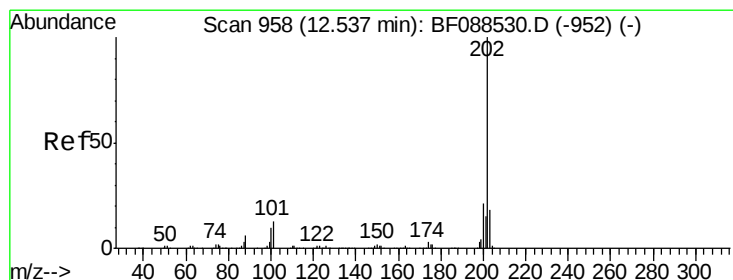
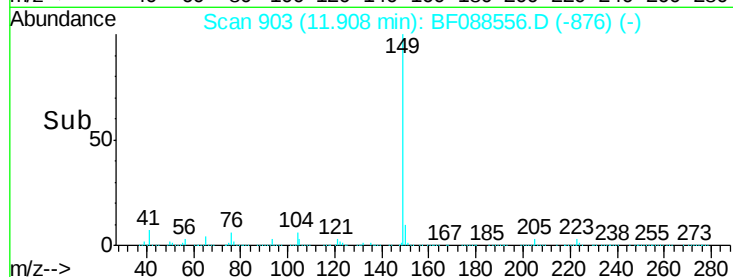
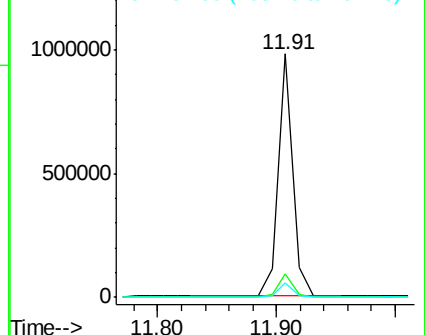
104 5.9 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.32 ng

RT: 12.57 min Scan# 961

Delta R.T. 0.03 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

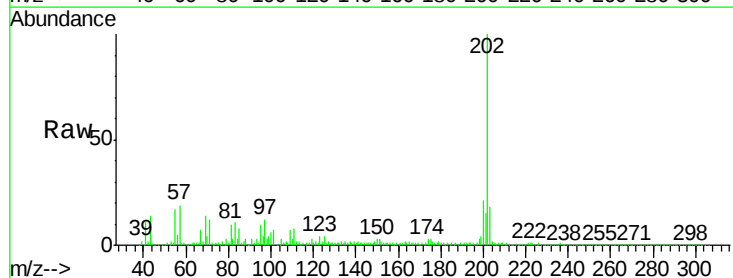
Tgt Ion:202 Resp: 704405

Ion Ratio Lower Upper

202 100

101 7.5 0.0 33.1

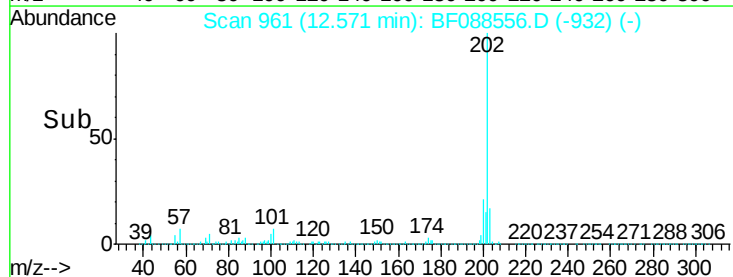
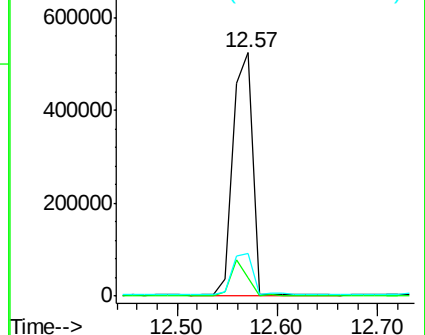
203 17.7 0.0 38.1

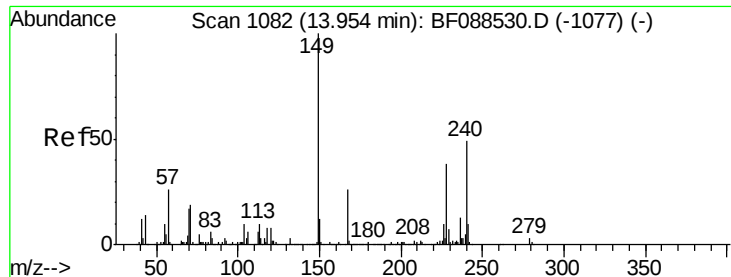


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

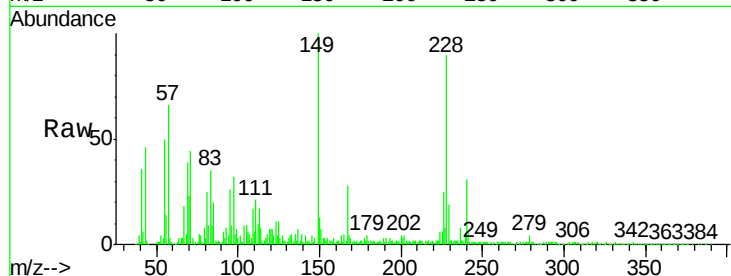
Tgt Ion:240 Resp: 166564

Ion Ratio Lower Upper

240 100

120 22.7 6.8 10.2#

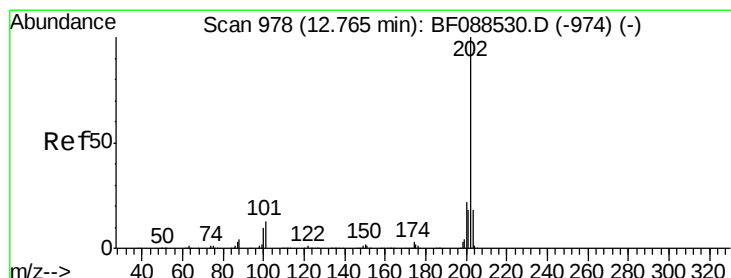
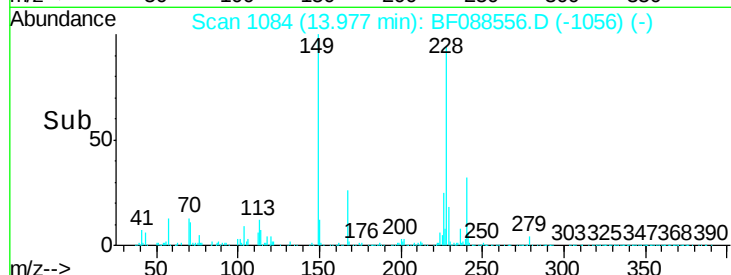
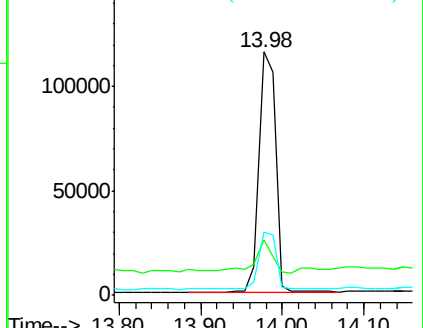
236 26.0 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 44.60 ng

RT: 12.78 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

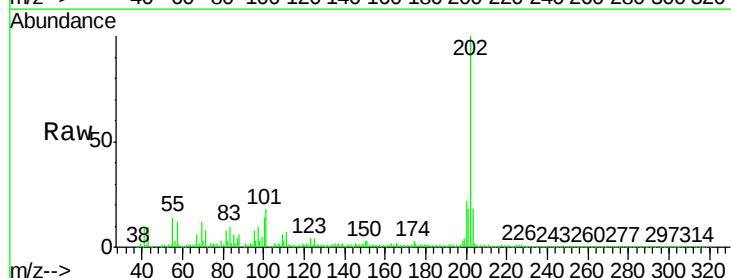
Tgt Ion:202 Resp: 629879

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

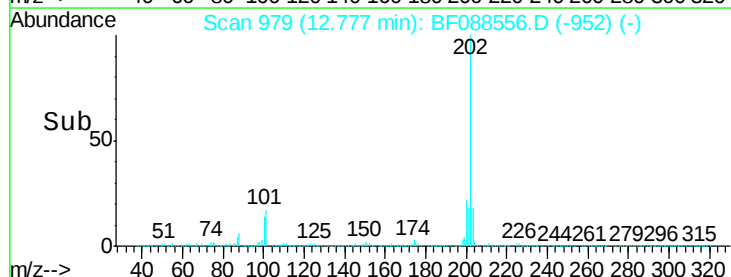
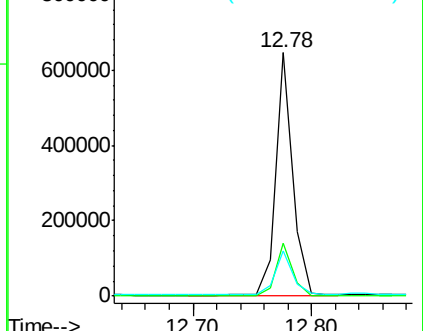
203 18.5 14.5 21.7

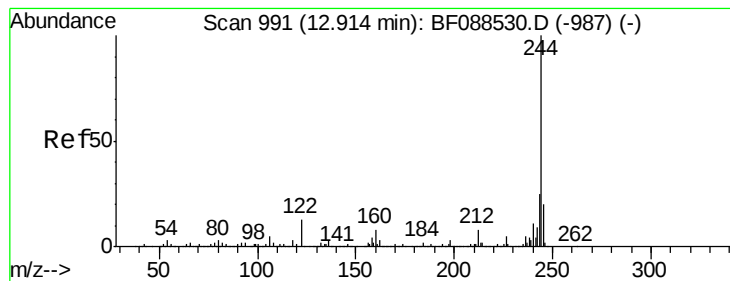


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.92 ng

RT: 12.93 min Scan# 992

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

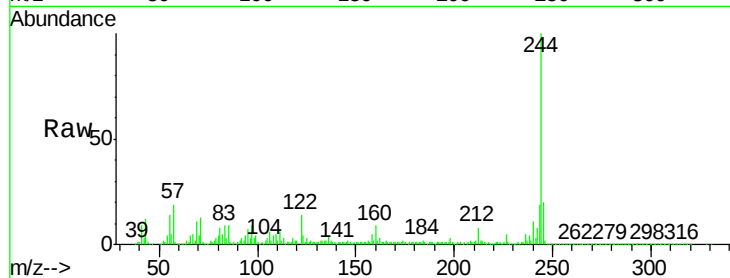
Tgt Ion:244 Resp: 672433

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

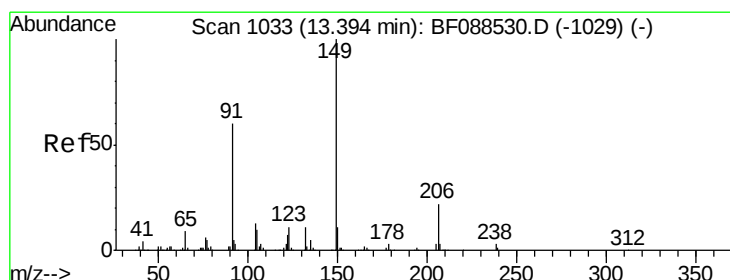
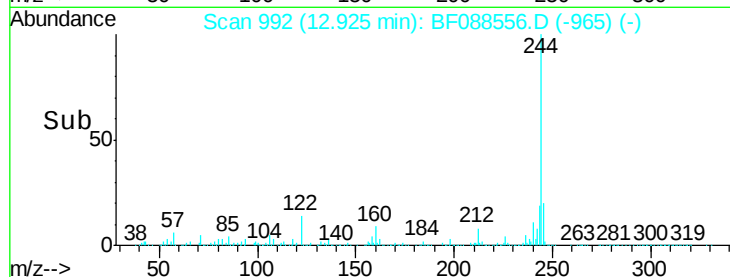
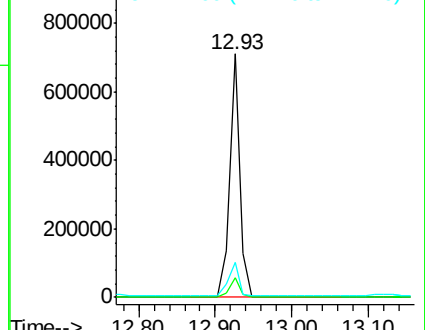
122 14.2 11.2 16.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 47.09 ng

RT: 13.41 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

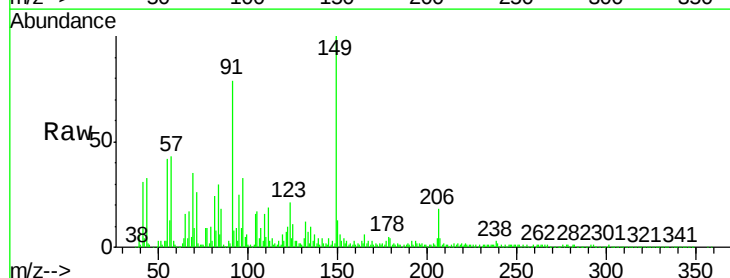
Tgt Ion:149 Resp: 296659

Ion Ratio Lower Upper

149 100

91 79.1 48.0 72.0#

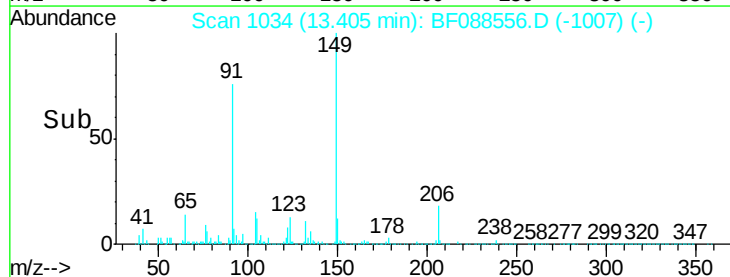
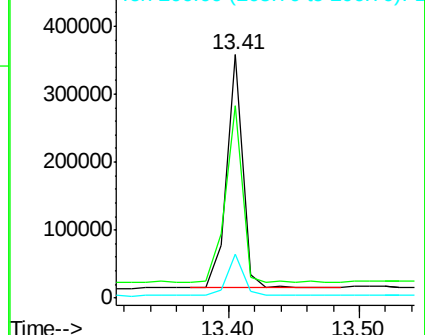
206 18.1 16.0 24.0

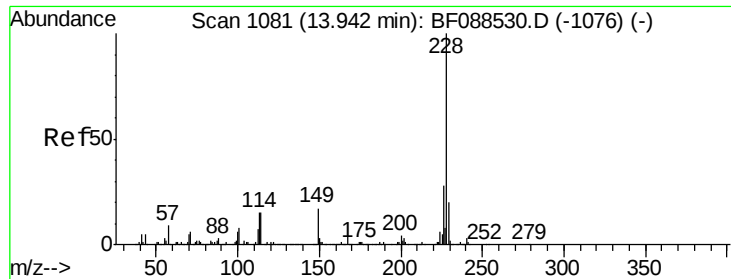


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 45.34 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.03 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

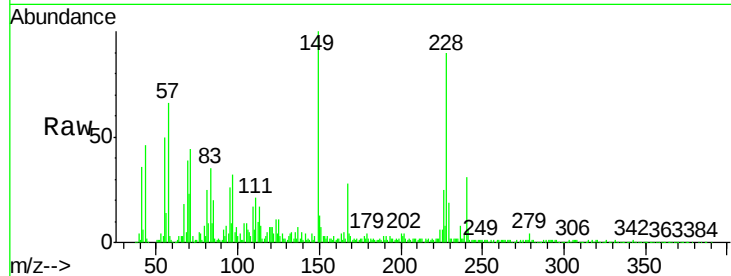
Tgt Ion:228 Resp: 486249

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

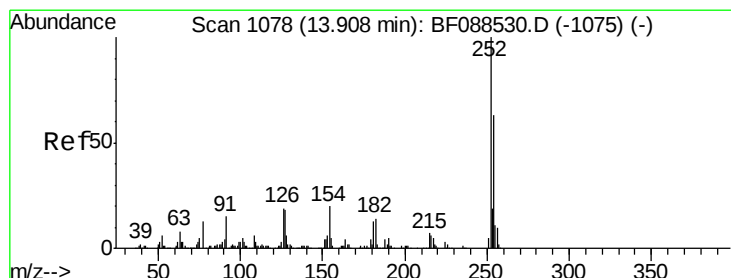
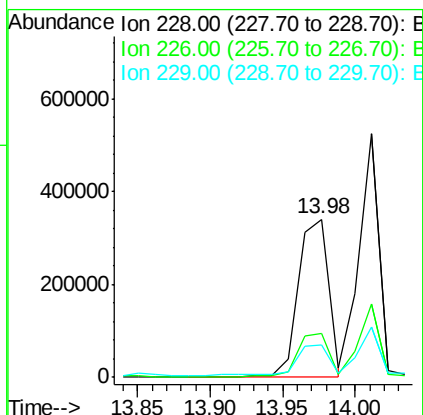
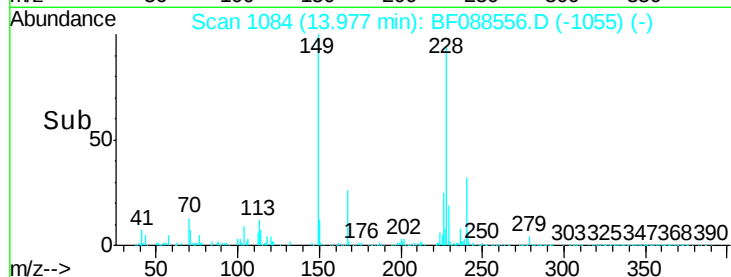
229 20.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 20.56 ng

RT: 13.93 min Scan# 1080

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

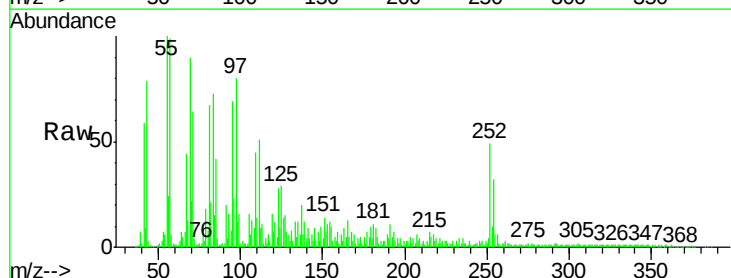
Tgt Ion:252 Resp: 82888

Ion Ratio Lower Upper

252 100

254 64.1 52.6 78.8

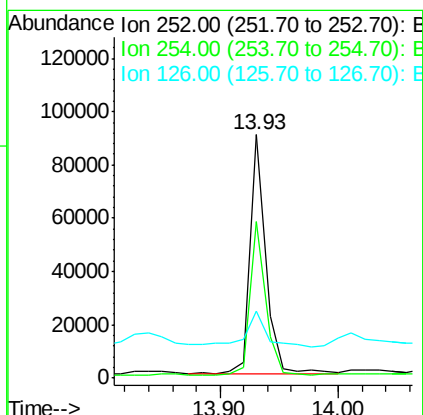
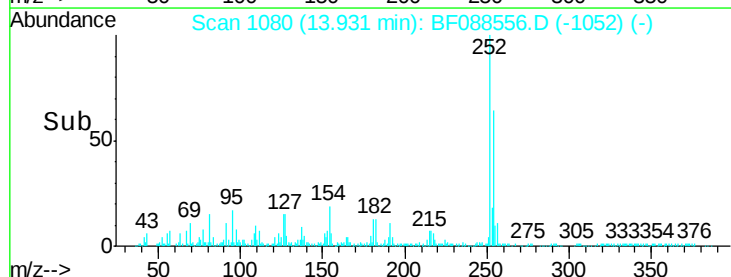
126 27.6 6.2 9.2#

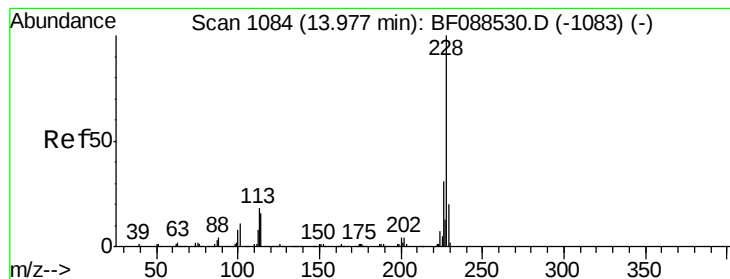


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 46.37 ng

RT: 14.01 min Scan# 1087

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

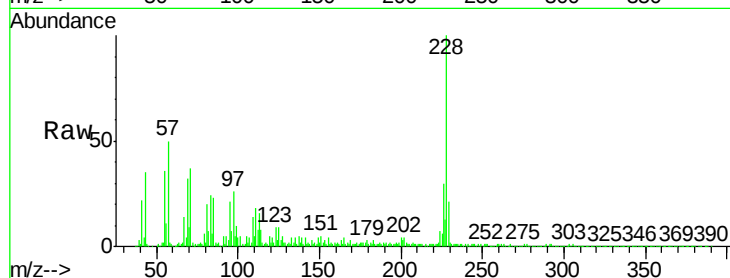
Tgt Ion:228 Resp: 492006

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.2

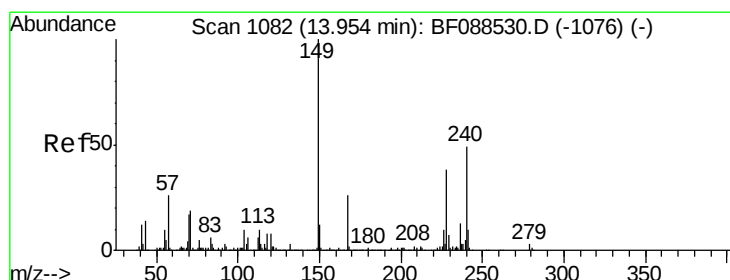
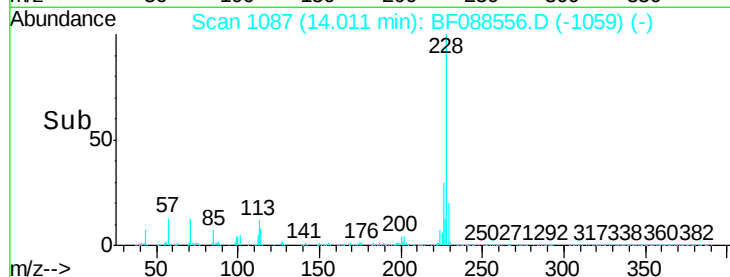
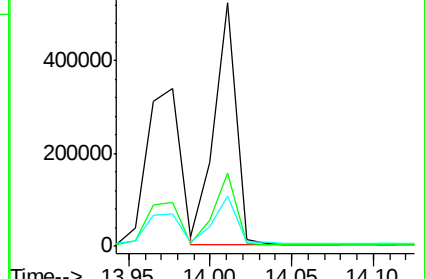
229 20.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 47.75 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

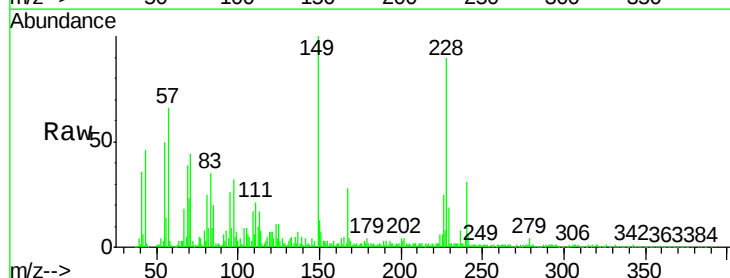
Tgt Ion:149 Resp: 343405

Ion Ratio Lower Upper

149 100

167 27.5 20.5 30.7

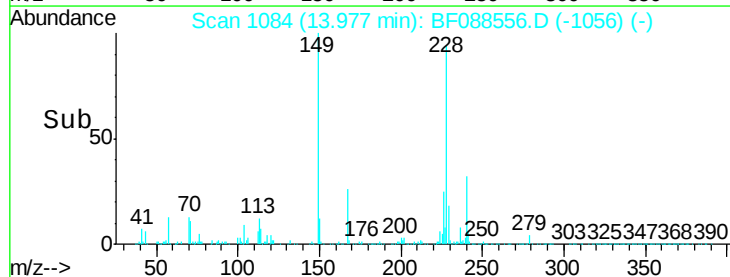
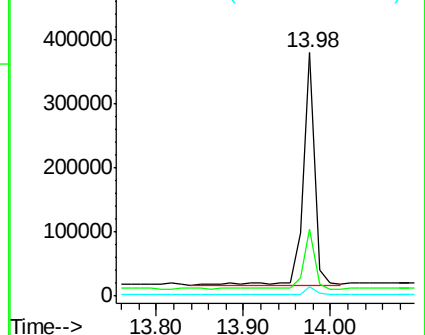
279 4.1 2.0 3.0#

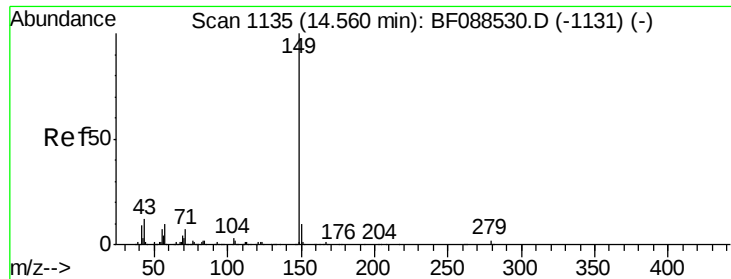


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 41.87 ng

RT: 14.59 min Scan# 1138

Delta R.T. 0.03 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

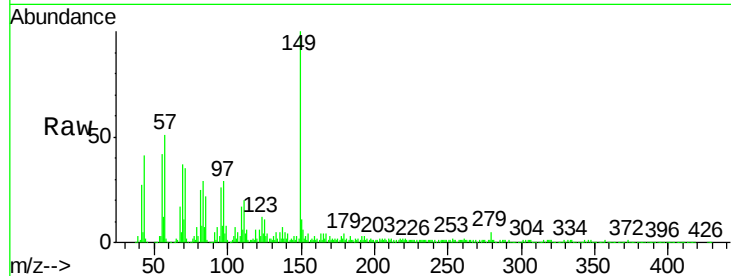
Tgt Ion:149 Resp: 511533

Ion Ratio Lower Upper

149 100

167 1.9 0.0 0.0#

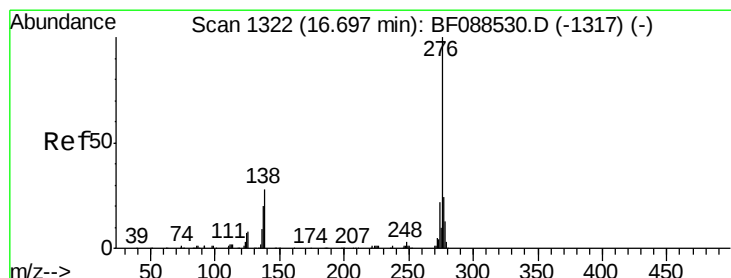
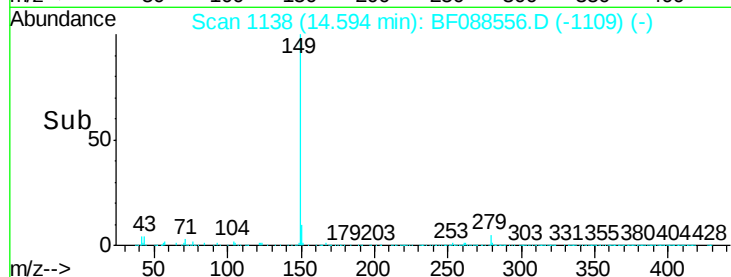
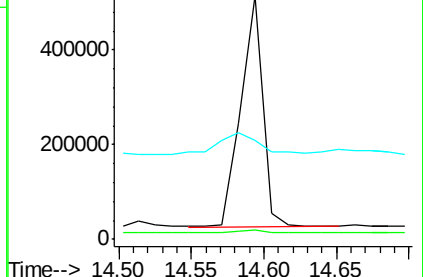
43 20.2 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 55.82 ng

RT: 16.80 min Scan# 1331

Delta R.T. 0.10 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

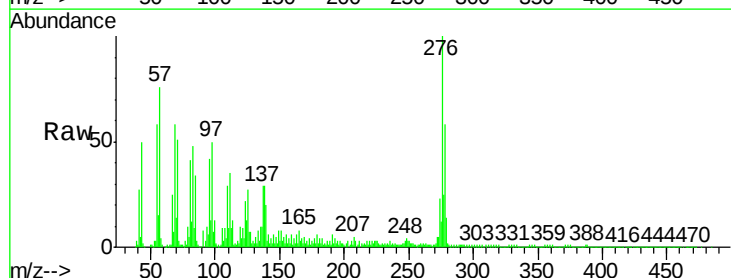
Tgt Ion:276 Resp: 455746

Ion Ratio Lower Upper

276 100

138 29.0 0.0 0.0#

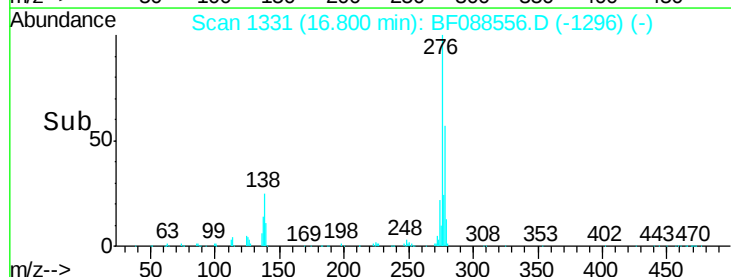
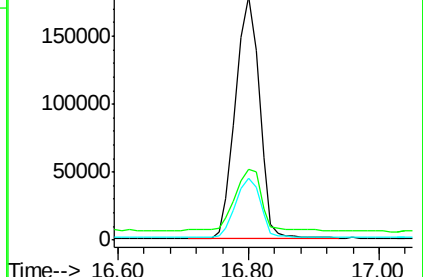
277 25.6 0.0 0.0#

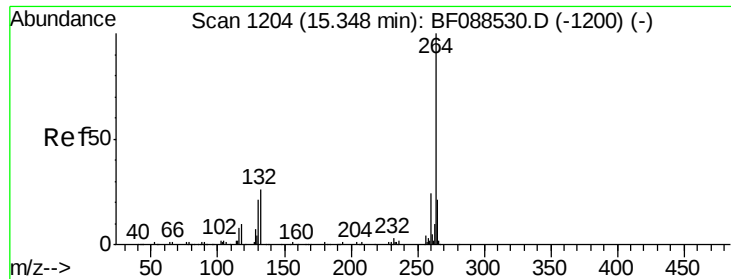


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



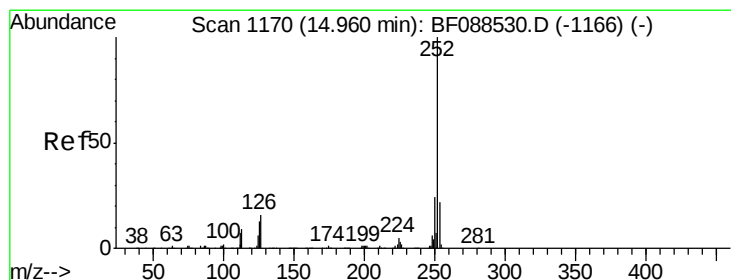
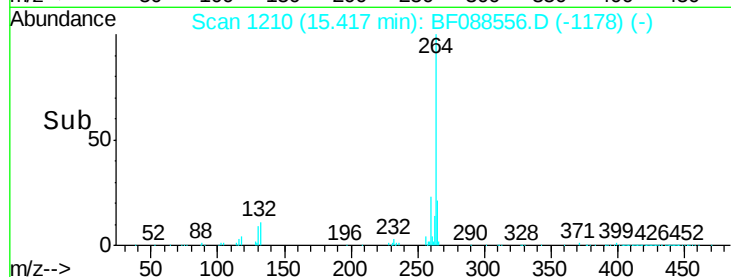
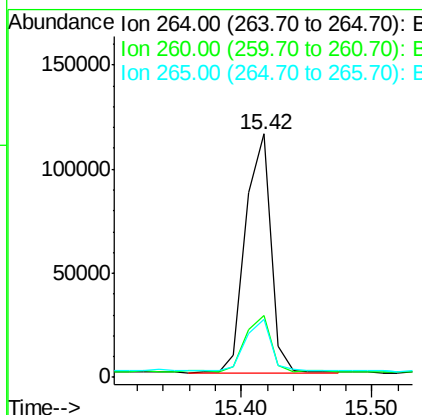
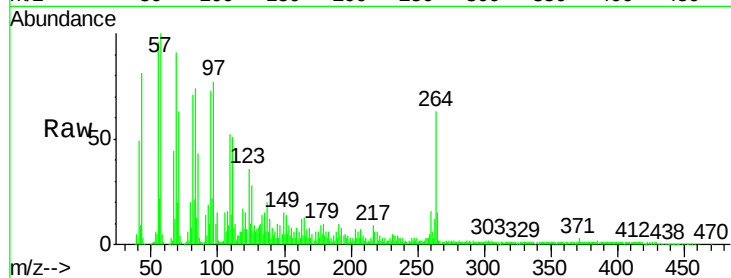


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.07 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tgt Ion: 264 Resp: 155177

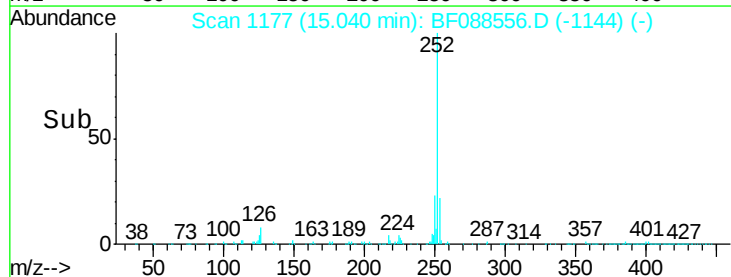
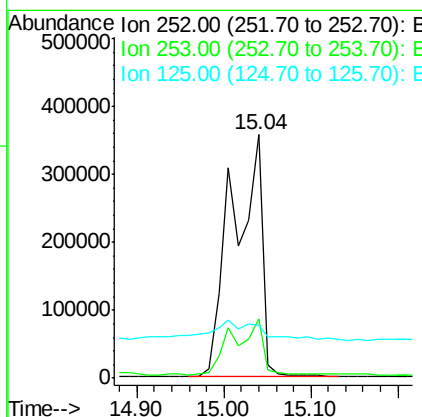
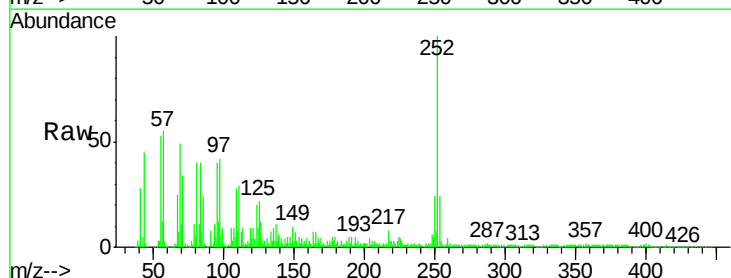
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	23.7	16.9	25.3

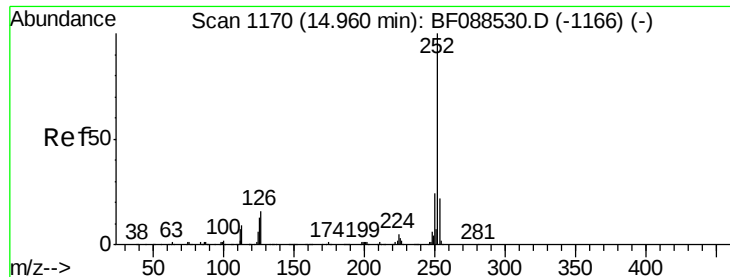


#87
Benzo(b)fluoranthene
Concen: 88.20 ng
RT: 15.04 min Scan# 1177
Delta R.T. 0.08 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion: 252 Resp: 858532

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	22.0	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 101.31 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.06 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

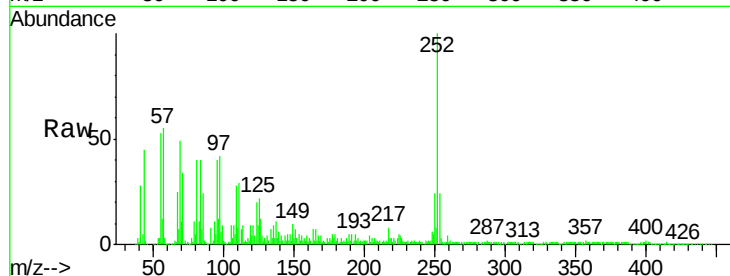
Tgt Ion:252 Resp: 858532

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

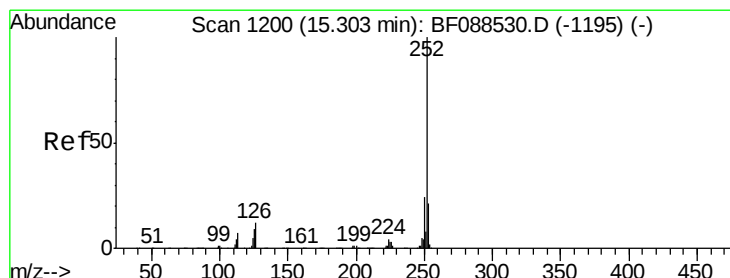
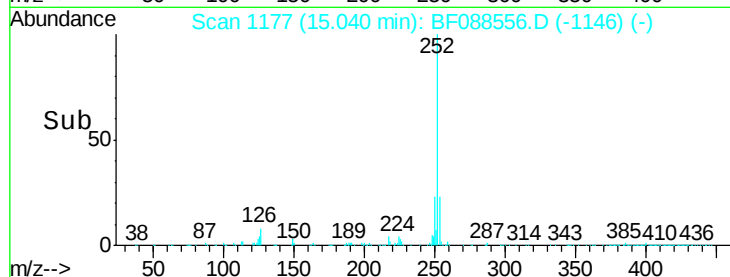
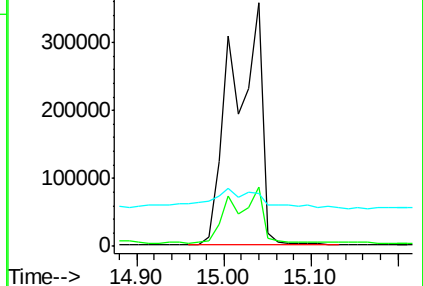
125 22.0 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 47.85 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.06 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

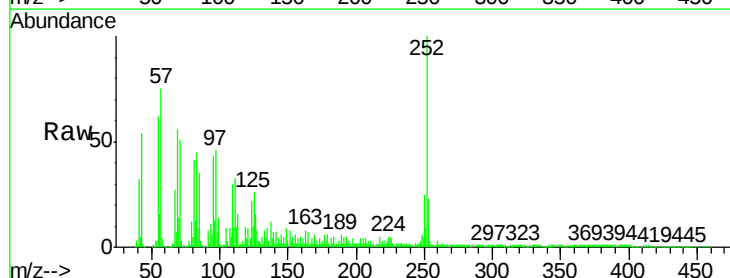
Tgt Ion:252 Resp: 394408

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

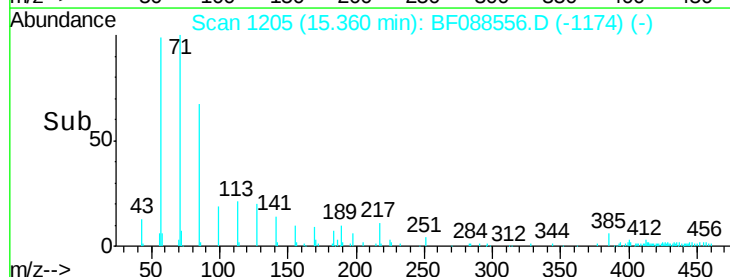
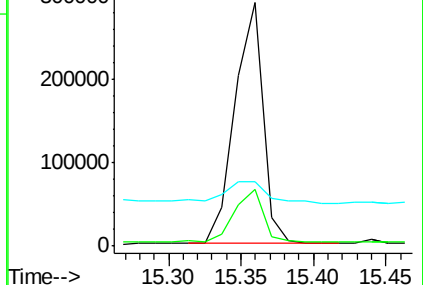
125 26.2 12.5 18.7#

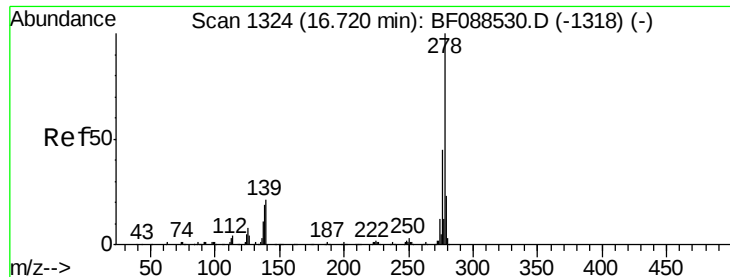


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 55.11 ng

RT: 16.81 min Scan# 1332

Delta R.T. 0.09 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

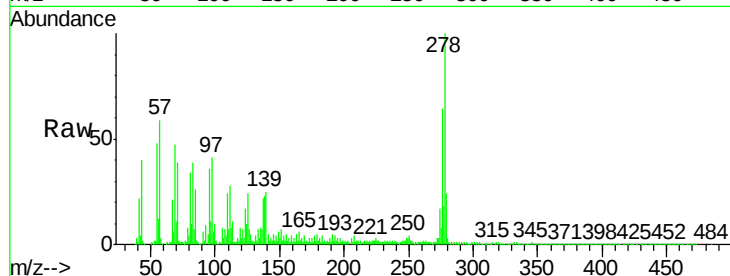
Tgt Ion:278 Resp: 379290

Ion Ratio Lower Upper

278 100

139 25.4 15.7 23.5#

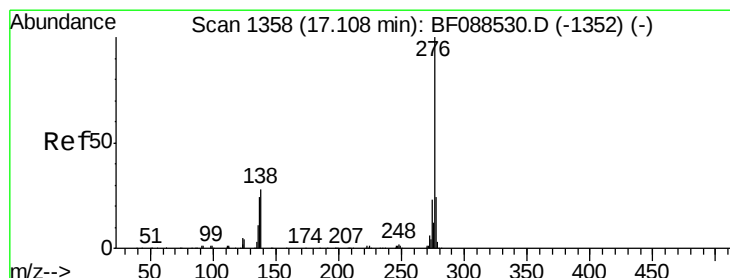
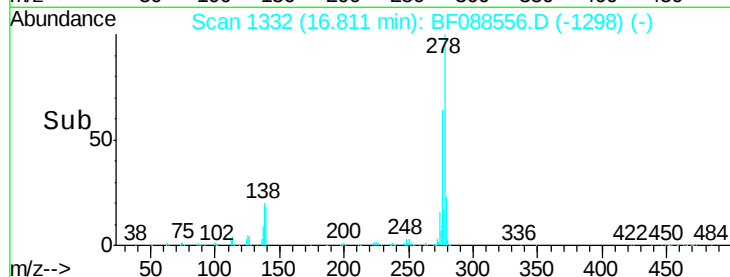
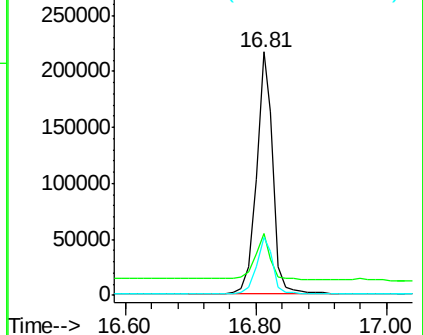
279 23.7 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 54.16 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.10 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

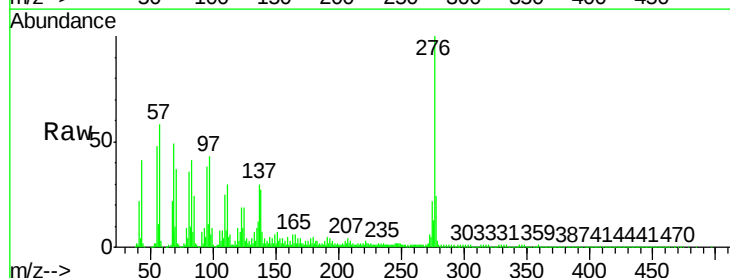
Tgt Ion:276 Resp: 385714

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 27.3 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

