

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087588.D
 Acq On : 31 May 2016 19:04
 Operator : UM/SJ
 Sample : H3332-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

Quant Time: Jun 01 00:51:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	102710	20.00	ng	-0.07
21) Naphthalene-d8	9.47	136	423608	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	203029	20.00	ng	-0.09
63) Phenanthrene-d10	14.71	188	390099	20.00	ng	-0.07
75) Chrysene-d12	18.42	240	328468	20.00	ng	-0.06
86) Perylene-d12	20.13	264	173290	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	861601	147.40	ng	-0.03
7) Phenol-d6	7.02	99	1113236	140.95	ng	-0.06
23) Nitrobenzene-d5	8.36	82	813270	96.76	ng	-0.08
41) 2,4,6-Tribromophenol	13.60	330	295183	151.29	ng	-0.08
44) 2-Fluorobiphenyl	11.24	172	1347841	93.59	ng	-0.09
78) Terphenyl-d14	17.06	244	1343612	86.96	ng	-0.07

Target Compounds						Qvalue
2) 1,4-Dioxane	1.94	88	117299	38.03	ng	# 69
3) Pyridine	2.54	79	159726	23.69	ng	# 59
4) n-Nitrosodimethylamine	2.44	42	247122	47.57	ng	# 44
6) Aniline	7.04	93	55346	5.42	ng	# 1
8) 2-Chlorophenol	7.14	128	355320	48.74	ng	92
9) Benzaldehyde	6.89	77	26933	6.18	ng	93
10) Phenol	7.04	94	411948	47.76	ng	# 70
11) bis(2-Chloroethyl)ether	7.10	93	340202	48.73	ng	91
12) 1,3-Dichlorobenzene	7.34	146	358122	45.04	ng	# 89
13) 1,4-Dichlorobenzene	7.47	146	370248	45.36	ng	96
14) 1,2-Dichlorobenzene	7.70	146	353580	46.83	ng	98
15) Benzyl Alcohol	7.77	79	259835	45.12	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.94	45	675953	43.04	ng	88
17) 2-Methylphenol	7.99	107	297905	51.00	ng	# 89
18) Hexachloroethane	8.20	117	144628	47.50	ng	99
19) n-Nitroso-di-n-propylamine	8.17	70	293532	49.83	ng	# 71
20) 3+4-Methylphenols	8.26	107	379616	53.75	ng	# 60
22) Acetophenone	8.14	105	517195	51.11	ng	# 96
24) Nitrobenzene	8.40	77	429120	48.37	ng	97
25) Isophorone	8.79	82	725541	48.13	ng	97
26) 2-Nitrophenol	8.90	139	182245	50.25	ng	# 60
27) 2,4-Dimethylphenol	9.06	122	324989	51.62	ng	87
28) bis(2-Chloroethoxy)methane	9.16	93	423014	49.82	ng	98
29) 2,4-Dichlorophenol	9.36	162	297329	52.40	ng	99
30) 1,2,4-Trichlorobenzene	9.40	180	309160	47.60	ng	99
31) Naphthalene	9.51	128	1219429	57.45	ng	100
32) Benzoic acid	9.44	122	175067	53.27	ng	# 75
33) 4-Chloroaniline	9.76	127	26280	3.36	ng	# 90
34) Hexachlorobutadiene	9.71	225	181271	45.91	ng	98
35) Caprolactam	10.32	113	44680	26.98	ng	# 64
36) 4-Chloro-3-methylphenol	10.55	107	346726	54.05	ng	86
37) 2-Methylnaphthalene	10.63	142	703577	53.06	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	295713	45.50	ng	98
40) Hexachlorocyclopentadiene	10.87	237	172960	66.48	ng	95

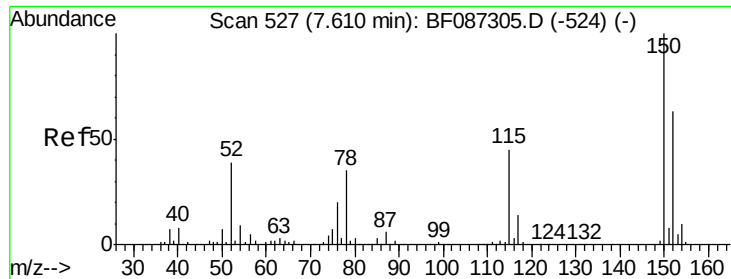
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.15	196	186126	49.62	ng	94
43) 2,4,5-Trichlorophenol	11.26	196	177165	46.38	ng #	84
45) 1,1'-Biphenyl	11.40	154	861088	50.37	ng	99
46) 2-Chloronaphthalene	11.42	162	624847	47.78	ng	92
47) 2-Nitroaniline	11.66	65	235352	49.95	ng	83
48) Acenaphthylene	12.08	152	986587	47.65	ng	99
49) Dimethylphthalate	11.96	163	795282	48.90	ng	99
50) 2,6-Dinitrotoluene	12.06	165	158821	48.46	ng #	53
51) Acenaphthene	12.35	154	634182	49.84	ng	98
52) 3-Nitroaniline	12.39	138	29549	8.79	ng #	83
53) 2,4-Dinitrophenol	12.55	184	169168	99.16	ng #	73
54) Dibenzofuran	12.65	168	940937	54.61	ng	97
55) 4-Nitrophenol	12.65	139	403671	251.60	ng #	15
56) 2,4-Dinitrotoluene	12.73	165	242303	55.32	ng #	91
57) Fluorene	13.20	166	750599	50.24	ng	99
58) 2,3,4,6-Tetrachlorophenol	12.89	232	169026	57.52	ng	99
59) Diethylphthalate	13.11	149	768624	48.61	ng	99
60) 4-Chlorophenyl-phenylether	13.22	204	343970	47.21	ng	93
61) 4-Nitroaniline	13.36	138	84569	26.94	ng #	65
62) Azobenzene	13.49	77	922564	56.24	ng	86
64) 4,6-Dinitro-2-methylphenol	13.41	198	115944	46.74	ng #	75
65) n-Nitrosodiphenylamine	13.44	169	407202	32.28	ng	99
66) 4-Bromophenyl-phenylether	14.01	248	206490	48.39	ng #	88
67) Hexachlorobenzene	14.08	284	216981	48.61	ng #	73
68) Atrazine	14.35	200	70950	17.64	ng	92
69) Pentachlorophenol	14.46	266	122459	87.64	ng	95
70) Phenanthrene	14.74	178	1097387	50.79	ng	100
71) Anthracene	14.83	178	1124290	51.50	ng	100
72) Carbazole	15.14	167	540847	29.05	ng	99
73) Di-n-butylphthalate	15.69	149	1200182	49.85	ng #	98
74) Fluoranthene	16.51	202	1154433	53.28	ng	97
77) Pyrene	16.82	202	1121966	47.45	ng	100
79) Butylbenzylphthalate	17.73	149	508496	48.50	ng #	77
80) Benzo(a)anthracene	18.41	228	930691	49.81	ng	99
82) Chrysene	18.46	228	943732	50.89	ng	100
83) Bis(2-ethylhexyl)phthalate	18.47	149	688908	45.03	ng	98
84) Di-n-octyl phthalate	19.23	149	1173164	50.28	ng #	87
85) Indeno(1,2,3-cd)pyrene	21.31	276	646714	43.51	ng	94
87) Benzo(b)fluoranthene	19.69	252	1660920	150.47	ng #	94
88) Benzo(k)fluoranthene	19.69	252	1661901	174.92	ng #	97
89) Benzo(a)pyrene	20.05	252	710249	74.39	ng	98
90) Dibenzo(a,h)anthracene	21.31	278	599298	73.60	ng #	94
91) Benzo(g,h,i)perylene	21.70	276	466922	58.12	ng #	91

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

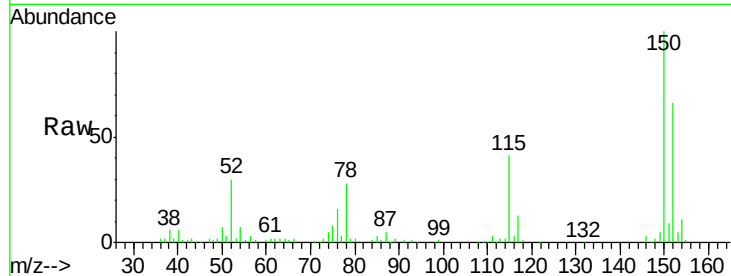


#1

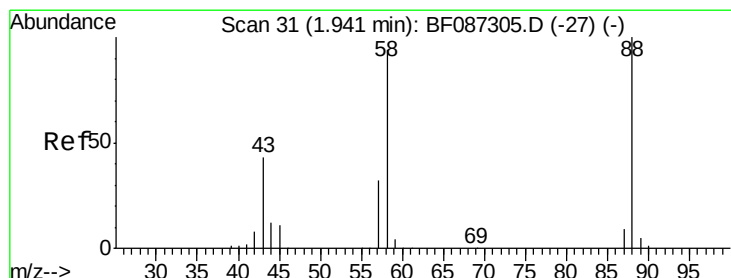
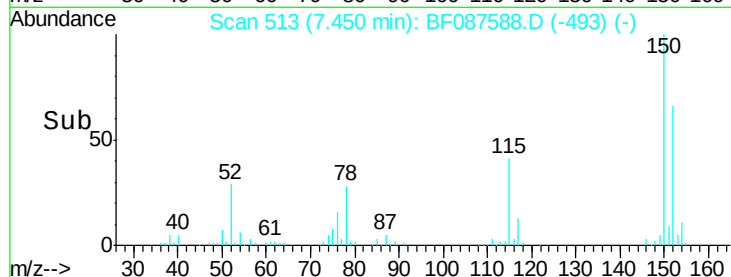
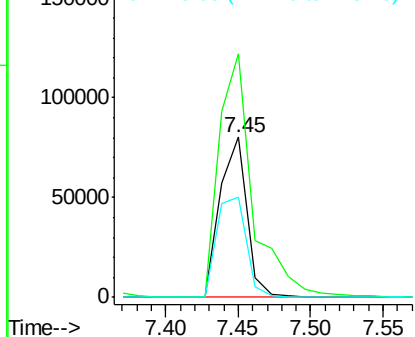
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.45 min Scan# 513
Delta R.T. -0.07 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

Tgt Ion: 152 Resp: 102710
Ion Ratio Lower Upper
152 100
150 152.3 125.8 188.6
115 63.1 51.5 77.3



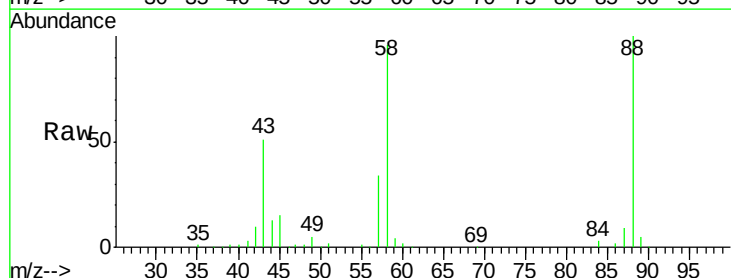
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



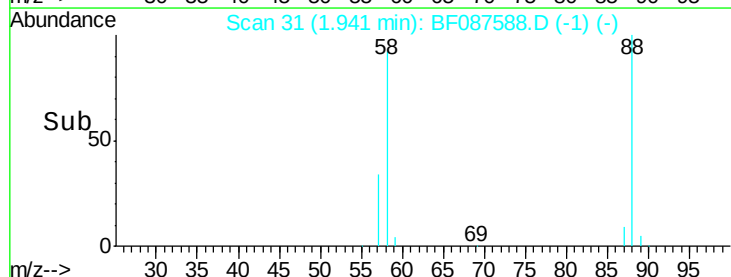
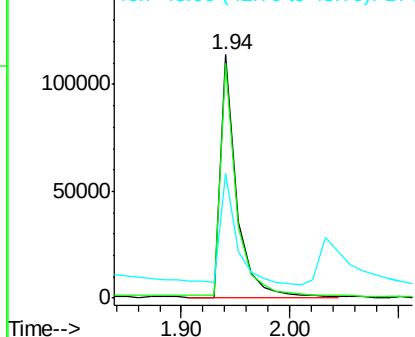
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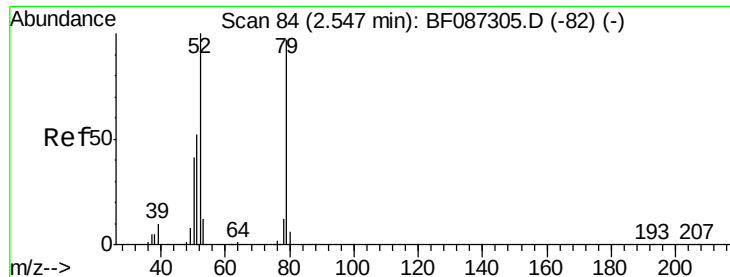
1,4-Dioxane
Concen: 38.03 ng
RT: 1.94 min Scan# 31
Delta R.T. 0.13 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion: 88 Resp: 117299
Ion Ratio Lower Upper
88 100
58 93.9 59.6 89.4#
43 0.0 21.8 32.6#



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: 23.69 ng

RT: 2.54 min Scan# 83

Delta R.T. 0.13 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

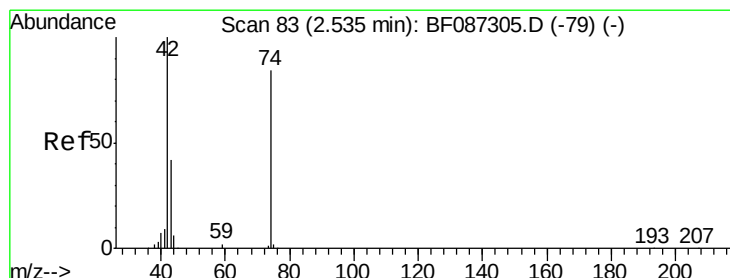
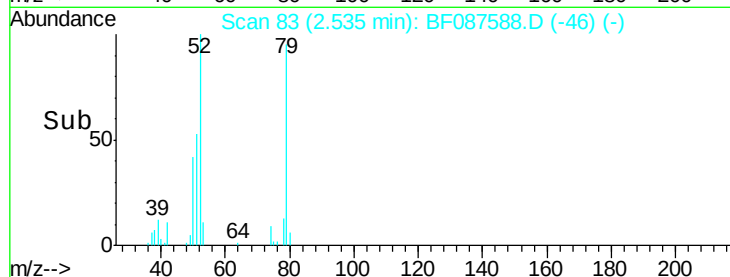
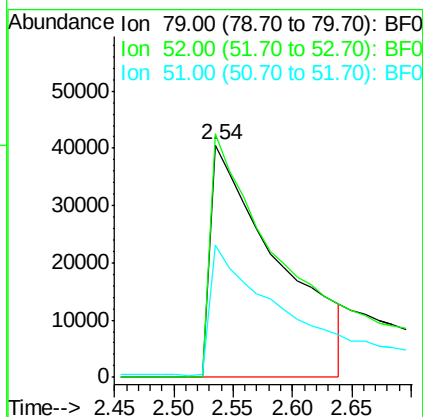
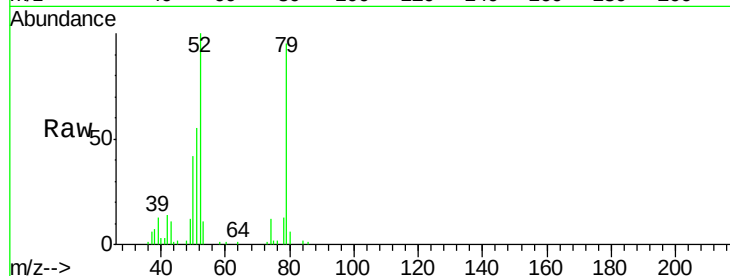
Tgt Ion: 79 Resp: 159726

Ion Ratio Lower Upper

79 100

52 104.8 55.9 83.9#

51 57.2 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 47.57 ng

RT: 2.44 min Scan# 75

Delta R.T. 0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

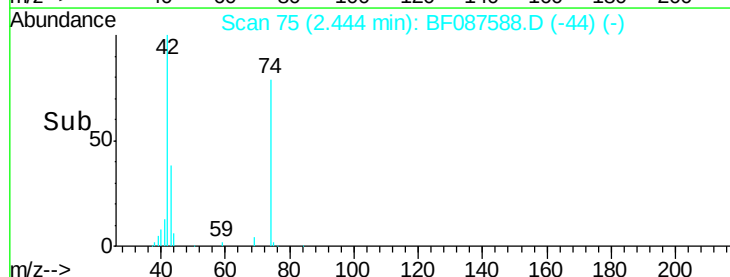
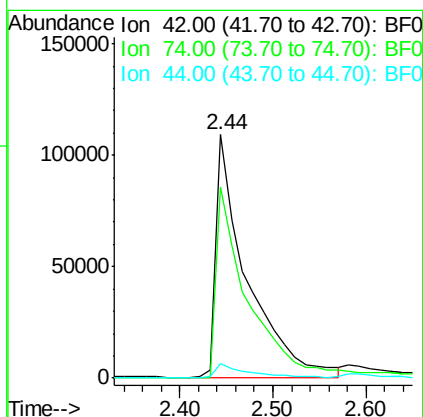
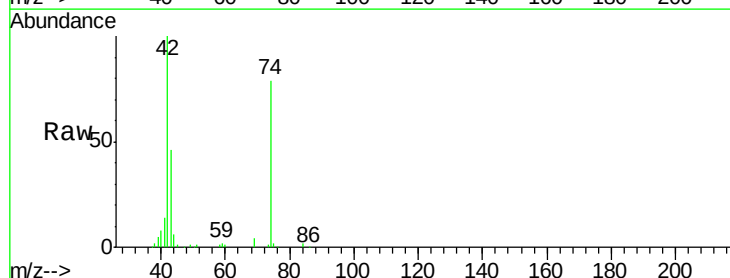
Tgt Ion: 42 Resp: 247122

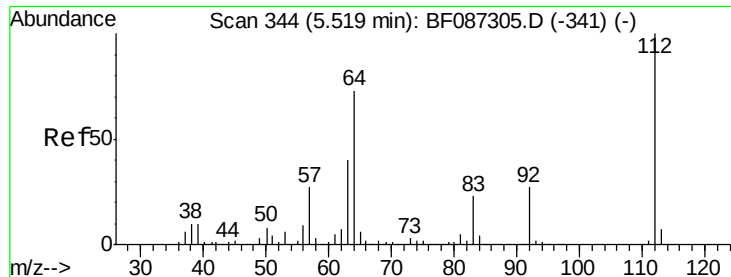
Ion Ratio Lower Upper

42 100

74 78.7 123.4 185.0#

44 6.0 5.8 8.6





#5

2-Fluorophenol

Concen: 147.40 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

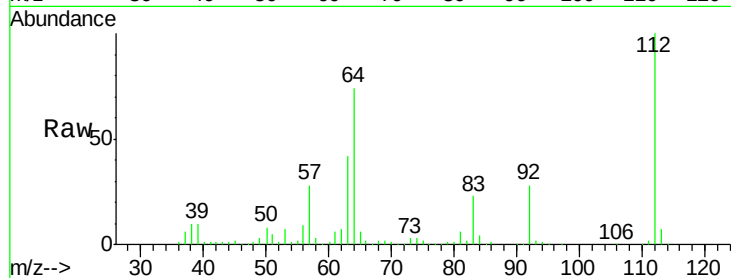
Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

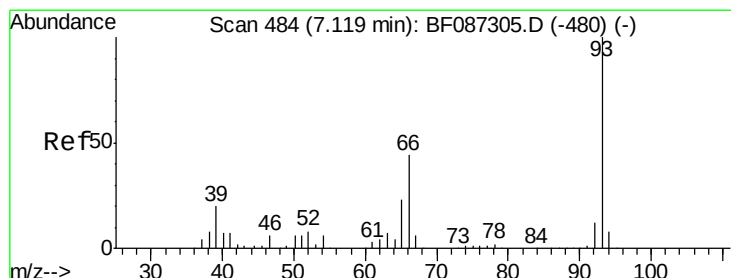
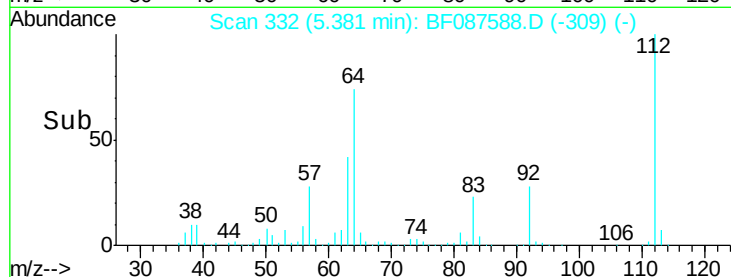
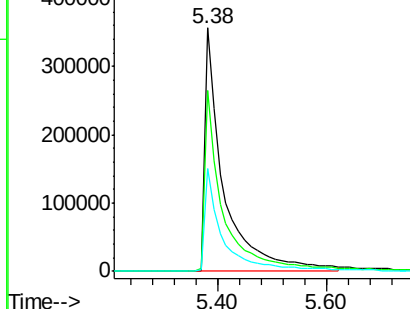
Tgt Ion:	112	Resp:	861601
Ion	Ratio	Lower	Upper
112	100		
64	74.3	52.1	78.1
63	42.5	25.7	38.5#



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: 5.42 ng

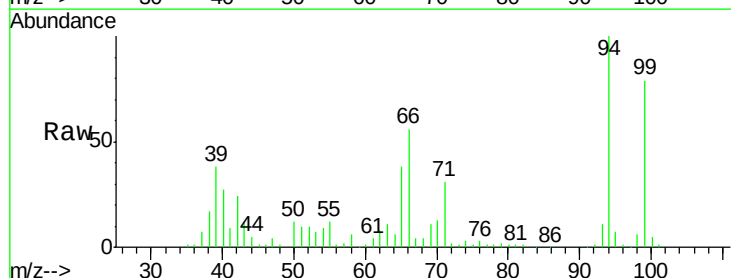
RT: 7.04 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

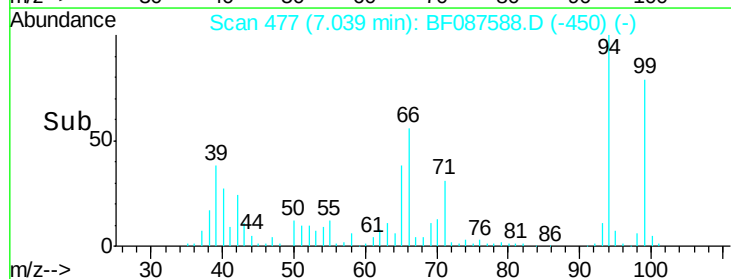
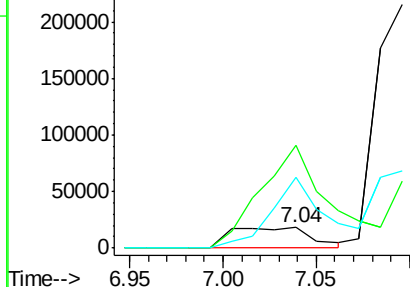
Tgt Ion:	93	Resp:	55346
Ion	Ratio	Lower	Upper
93	100		
66	502.4	39.0	58.6#
65	343.5	20.6	31.0#

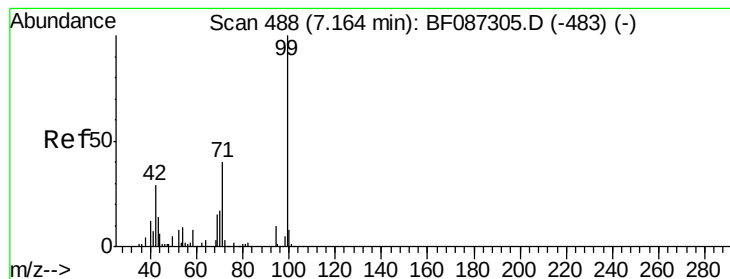


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 140.95 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

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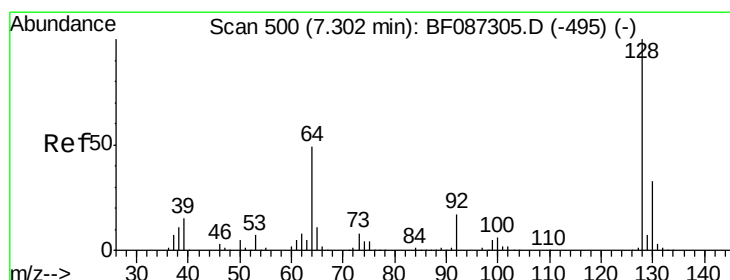
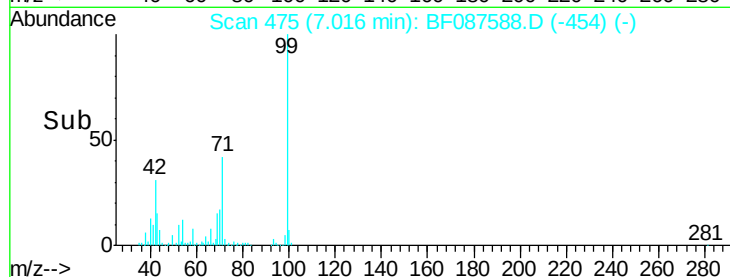
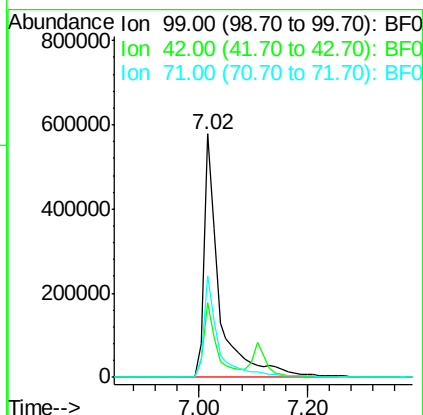
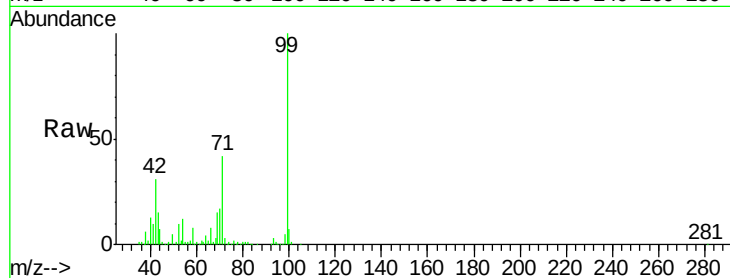
Tgt Ion: 99 Resp: 1113236

Ion Ratio Lower Upper

99 100

42 30.5 13.6 20.4#

71 41.8 24.6 36.8#



#8

2-Chlorophenol

Concen: 48.74 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

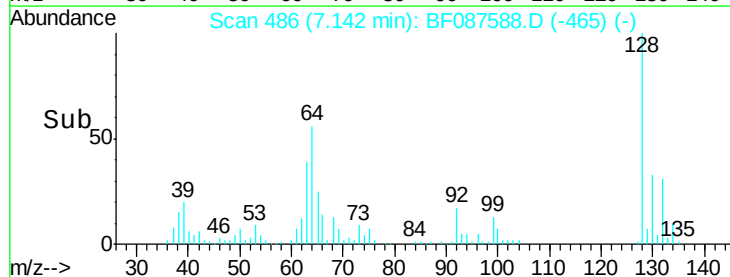
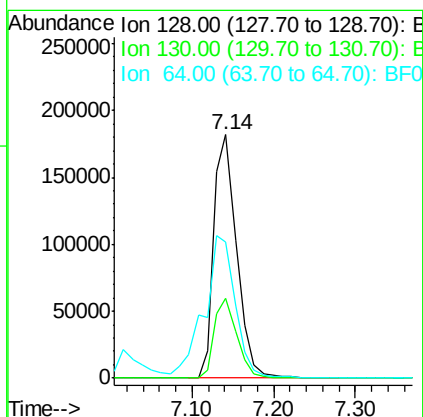
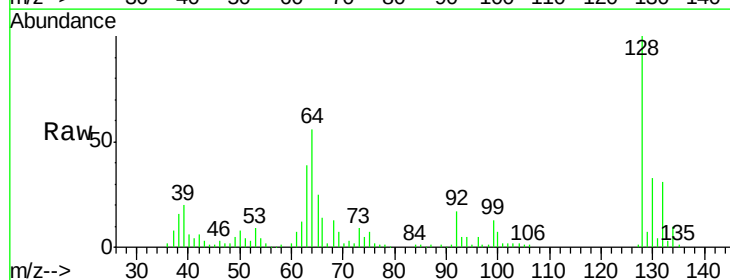
Tgt Ion: 128 Resp: 355320

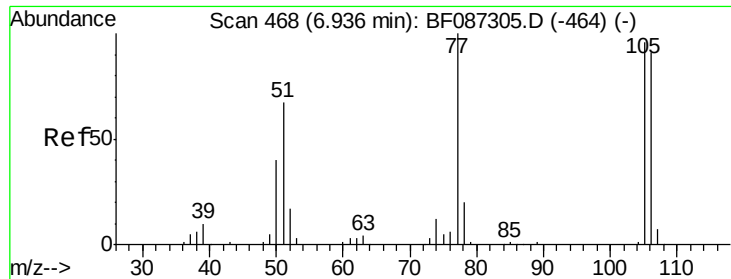
Ion Ratio Lower Upper

128 100

130 32.7 12.5 52.5

64 55.8 27.3 67.3





#9

Benzaldehyde

Concen: 6.18 ng

RT: 6.89 min Scan# 464

Delta R.T. 0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

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ClientSampleId :

HSR-WC-48-052616MSD

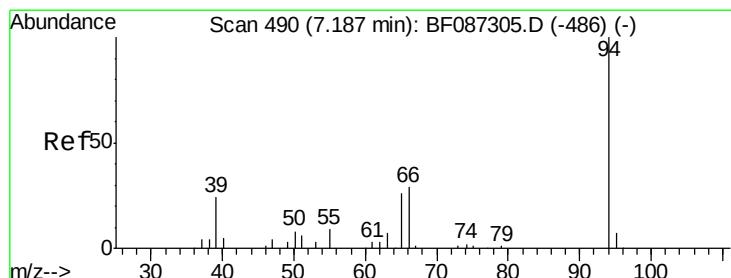
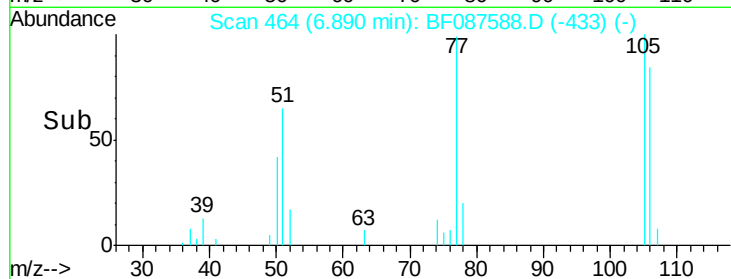
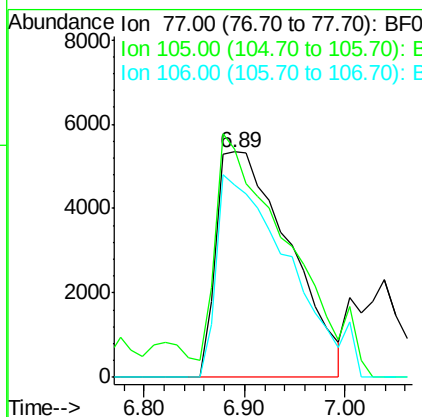
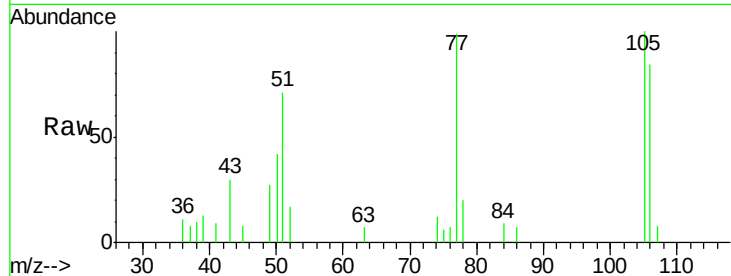
Tgt Ion: 77 Resp: 26933

Ion Ratio Lower Upper

77 100

105 101.3 72.7 112.7

106 85.4 70.8 110.8



#10

Phenol

Concen: 47.76 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.05 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

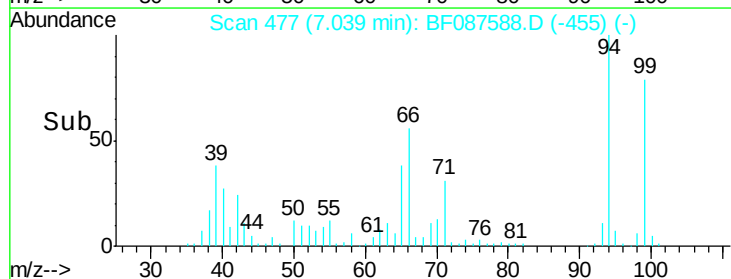
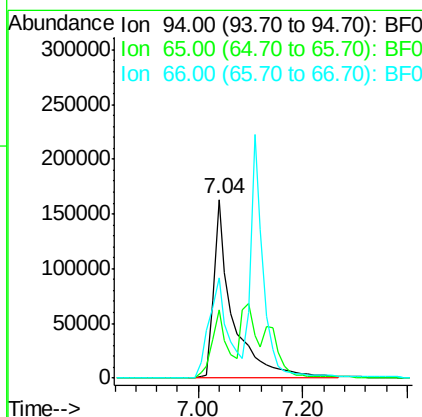
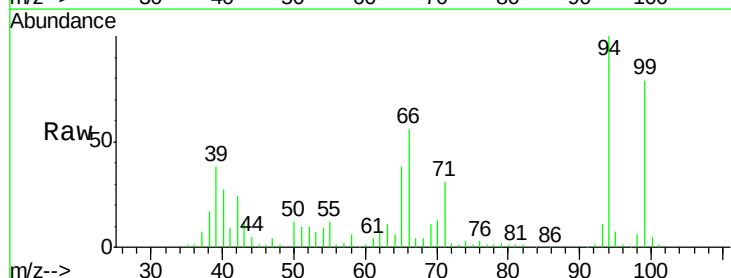
Tgt Ion: 94 Resp: 411948

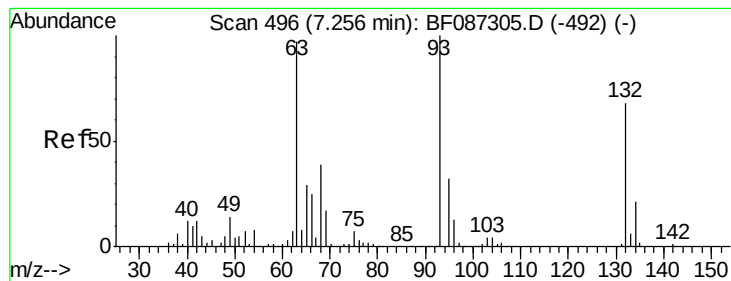
Ion Ratio Lower Upper

94 100

65 38.3 7.2 47.2

66 56.0 14.9 54.9#

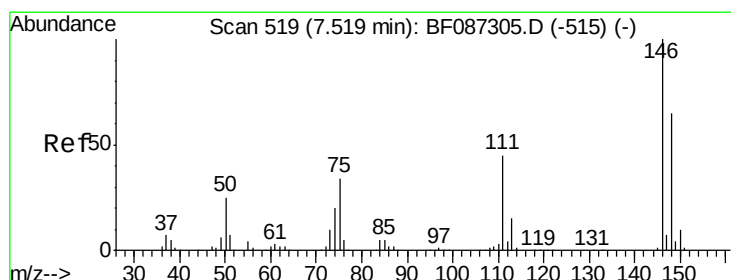
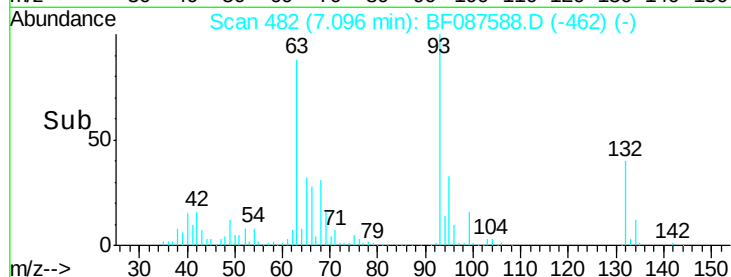
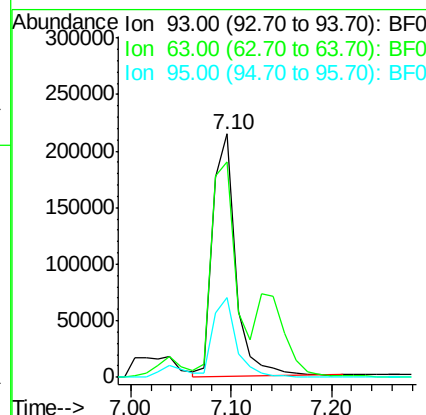
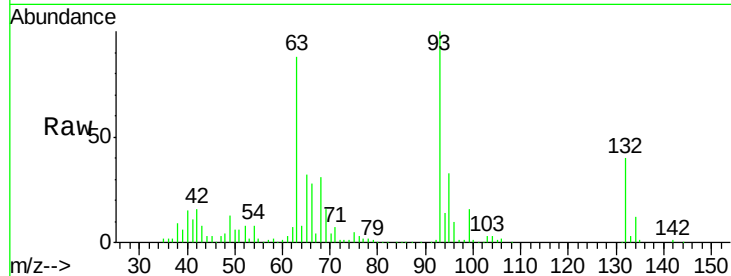




#11
bis(2-Chloroethyl)ether
Concen: 48.73 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.07 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

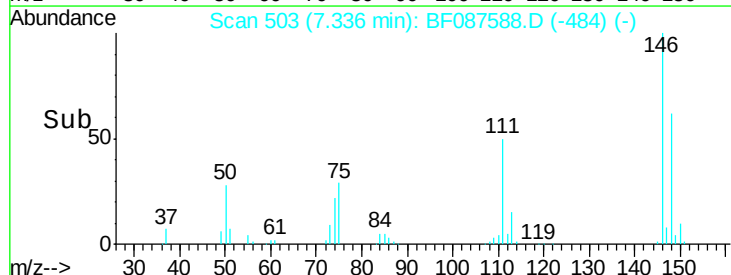
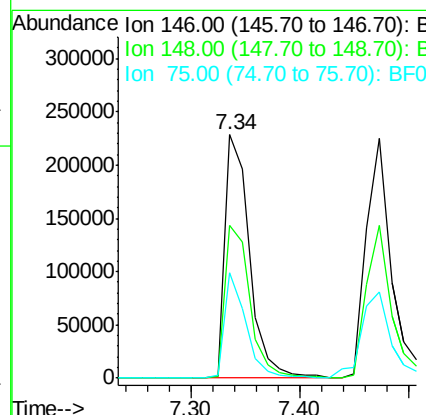
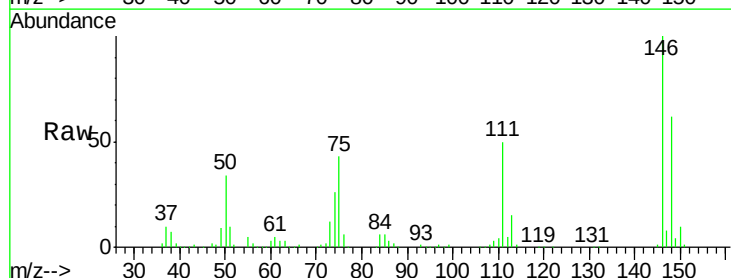
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

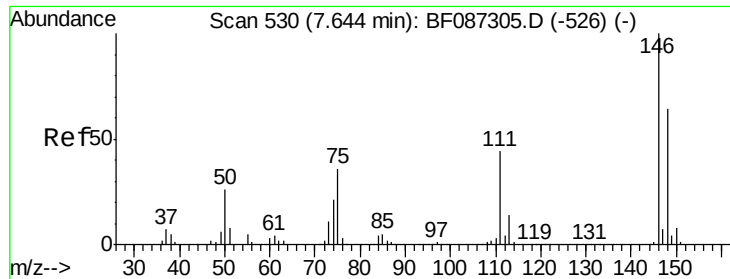
Tgt Ion: 93 Resp: 340202
Ion Ratio Lower Upper
93 100
63 88.3 58.0 98.0
95 32.7 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 45.04 ng
RT: 7.34 min Scan# 503
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion: 146 Resp: 358122
Ion Ratio Lower Upper
146 100
148 62.5 52.4 78.6
75 43.4 22.8 34.2#

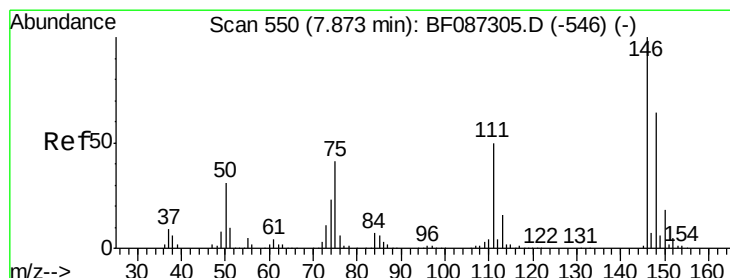
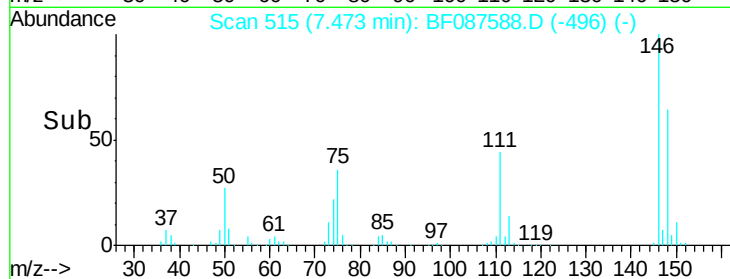
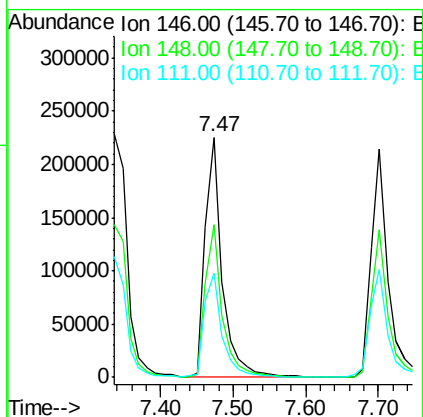
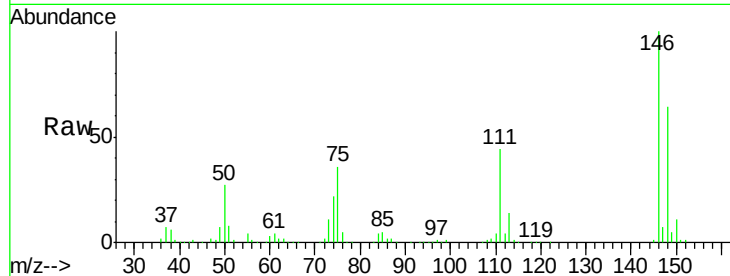




#13
 1,4-Dichlorobenzene
 Concen: 45.36 ng
 RT: 7.47 min Scan# 515
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

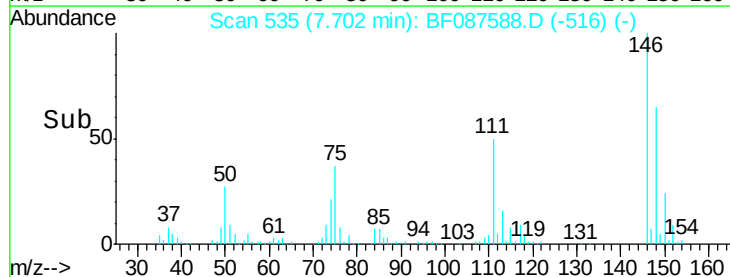
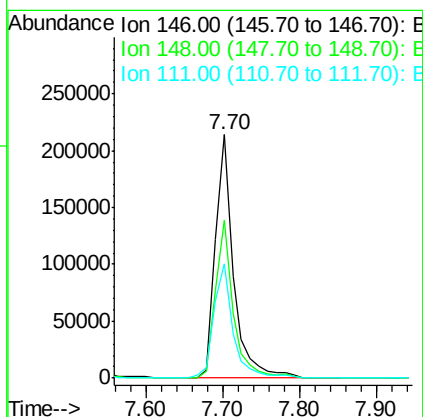
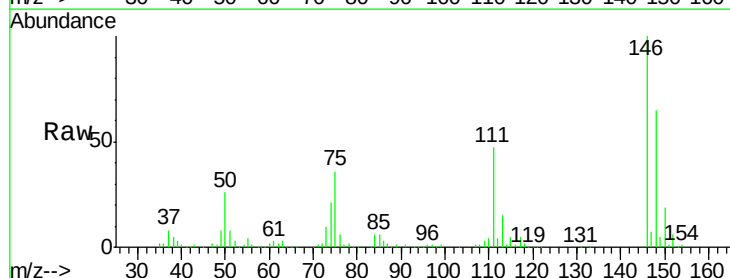
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

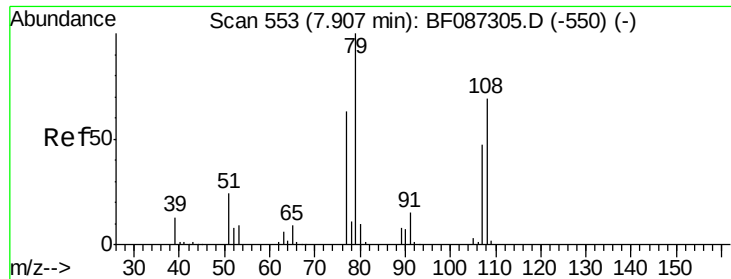
Tgt Ion:146 Resp: 370248
 Ion Ratio Lower Upper
 146 100
 148 63.8 52.2 78.4
 111 43.6 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 46.83 ng
 RT: 7.70 min Scan# 535
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion:146 Resp: 353580
 Ion Ratio Lower Upper
 146 100
 148 64.8 51.0 76.6
 111 47.2 36.2 54.4





#15

Benzyl Alcohol

Concen: 45.12 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.05 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

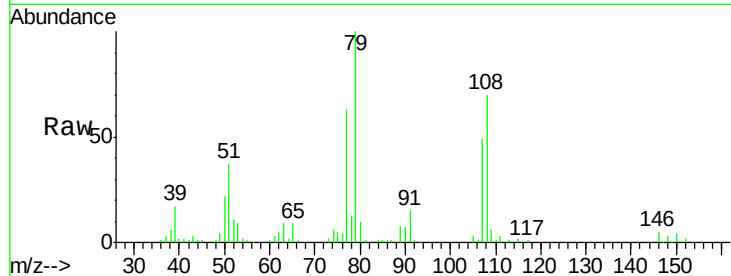
Tgt Ion: 79 Resp: 259835

Ion Ratio Lower Upper

79 100

108 70.1 68.4 102.6

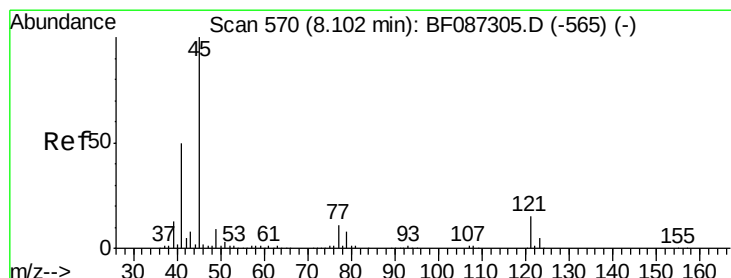
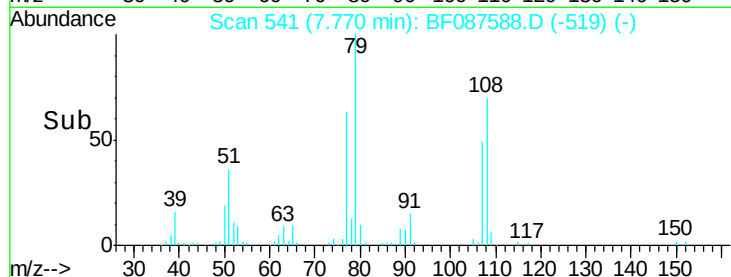
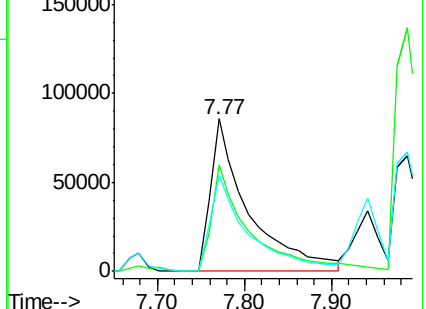
77 63.4 50.6 76.0



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: 43.04 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

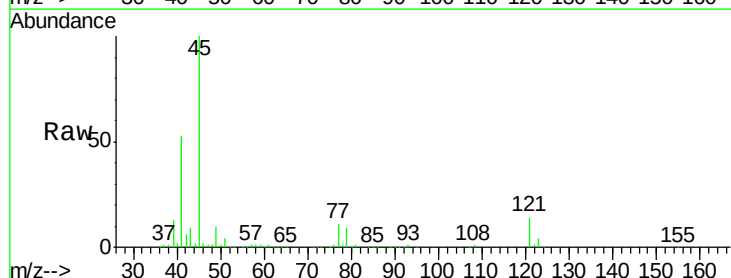
Tgt Ion: 45 Resp: 675953

Ion Ratio Lower Upper

45 100

77 11.0 0.0 36.4

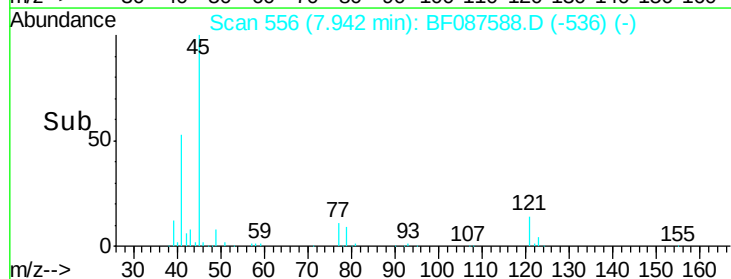
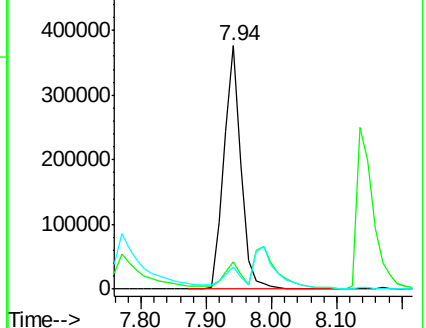
79 9.1 0.0 33.4

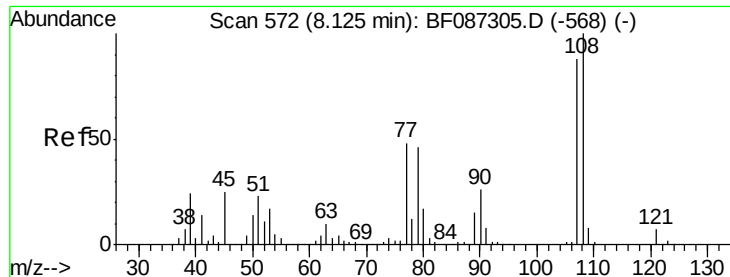


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

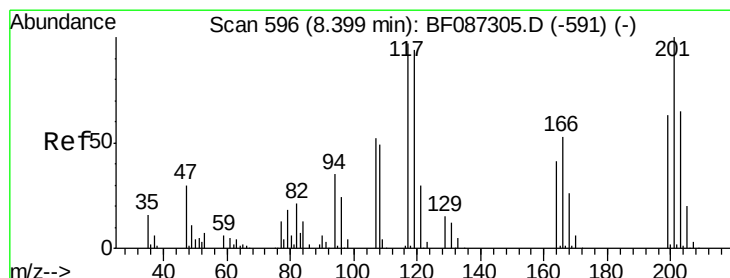
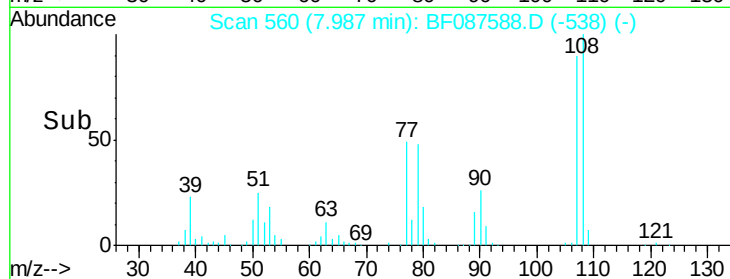
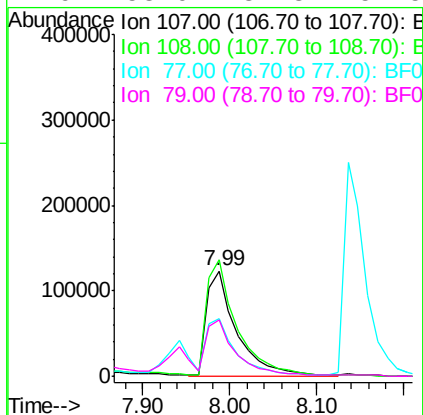
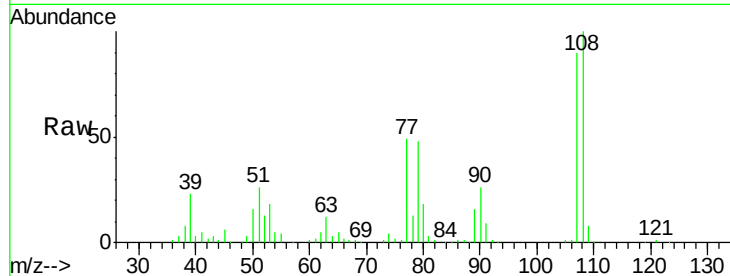




#17
2-Methylphenol
Concen: 51.00 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.05 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

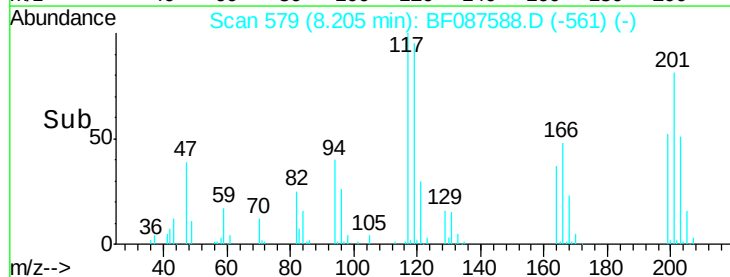
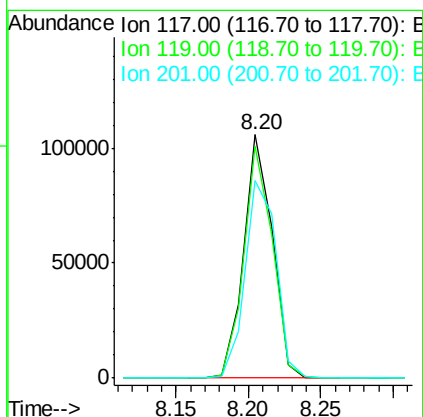
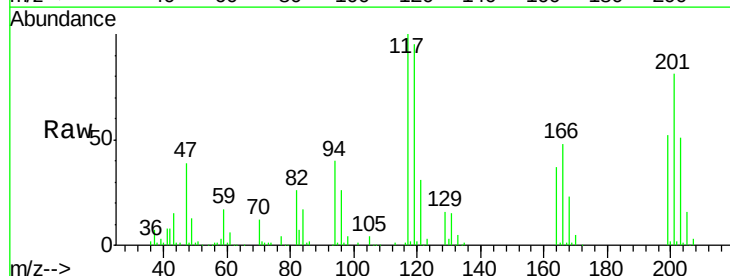
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

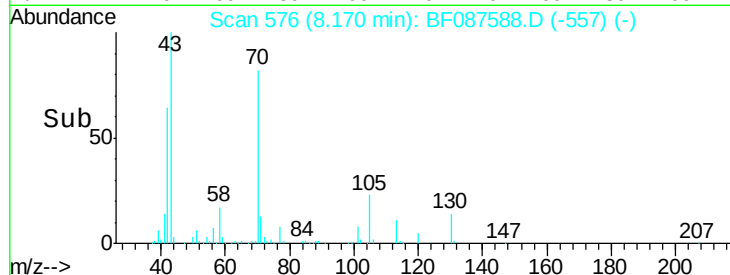
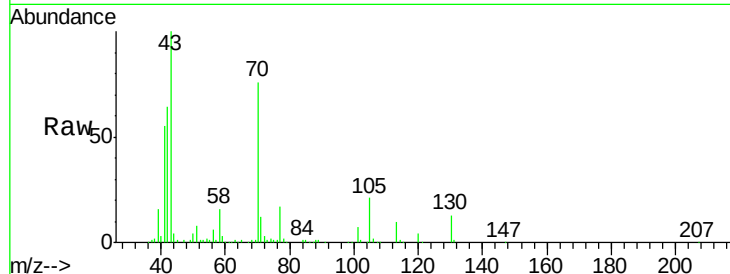
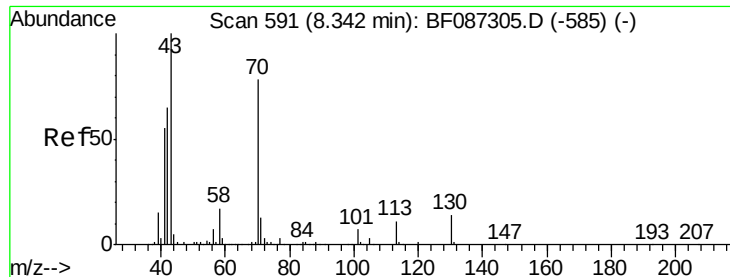
Tgt Ion:107 Resp: 297905
Ion Ratio Lower Upper
107 100
108 111.0 93.7 140.5
77 54.2 33.4 50.0#
79 53.0 34.3 51.5#



#18
Hexachloroethane
Concen: 47.50 ng
RT: 8.20 min Scan# 579
Delta R.T. -0.09 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:117 Resp: 144628
Ion Ratio Lower Upper
117 100
119 95.5 76.5 114.7
201 81.1 63.0 94.6

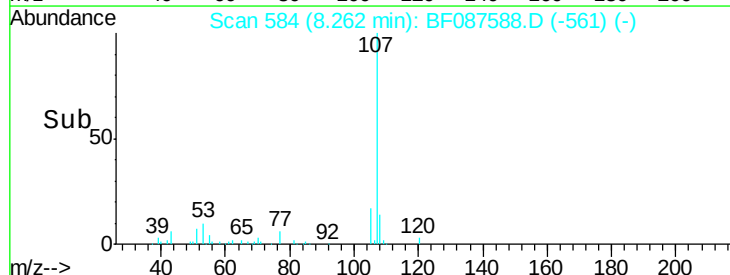
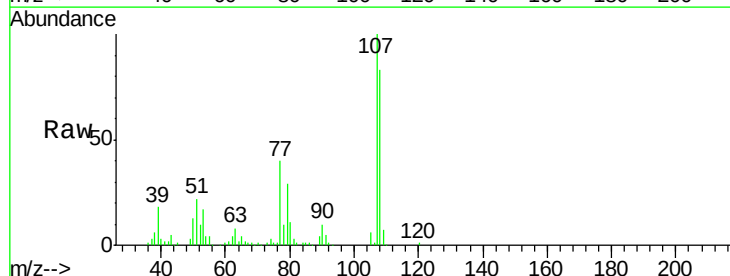
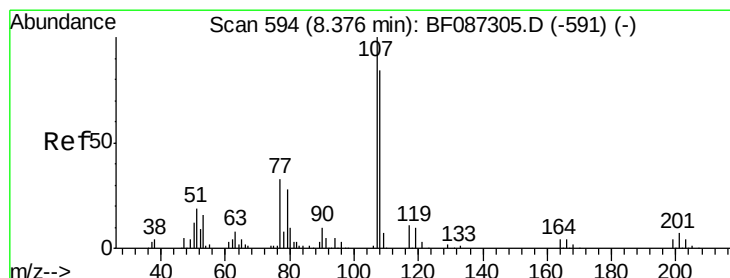
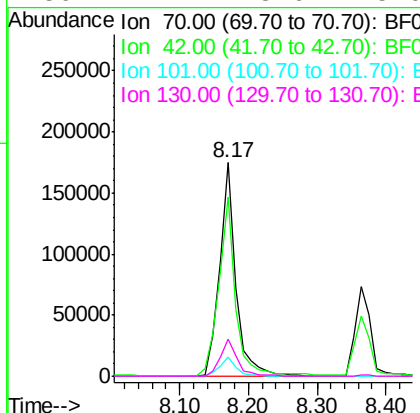




#19
n-Nitroso-di-n-propylamine
Concen: 49.83 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

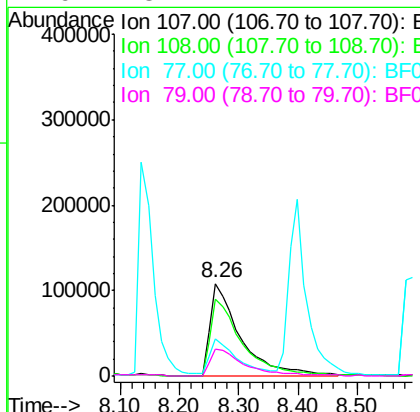
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

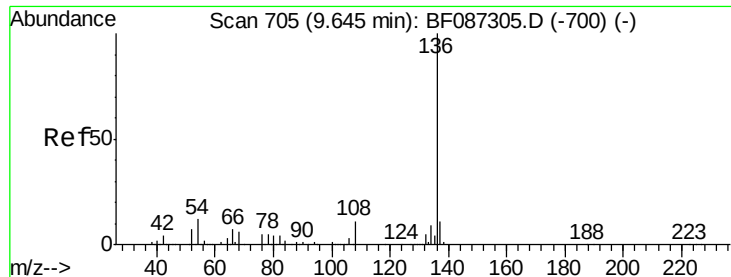
Tgt Ion:	70	Resp:	293532
Ion	Ratio	Lower	Upper
70	100		
42	83.9	43.1	64.7#
101	9.2	8.1	12.1
130	17.2	18.6	28.0#



#20
3+4-Methylphenols
Concen: 53.75 ng
RT: 8.26 min Scan# 584
Delta R.T. -0.03 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:	107	Resp:	379616
Ion	Ratio	Lower	Upper
107	100		
108	83.2	68.5	108.5
77	39.7	101.6	141.6#
79	28.7	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

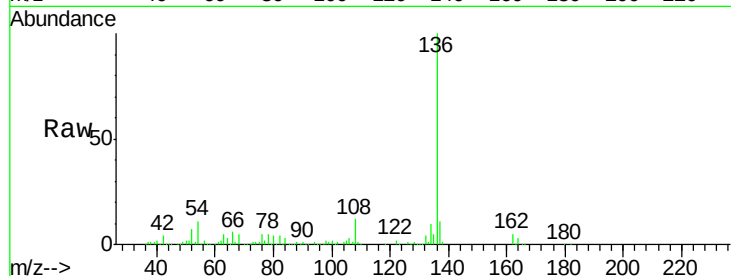
Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

Tgt Ion:	136	Resp:	423608
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.7	5.0	7.4#
68	5.1	4.4	6.6



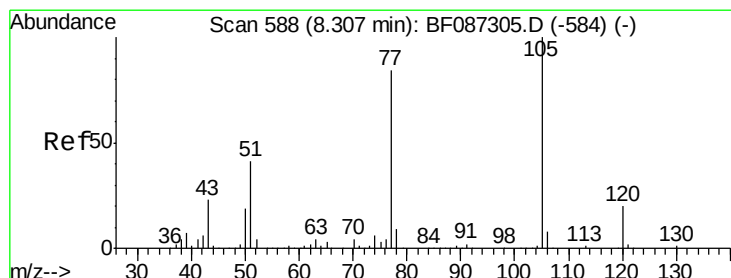
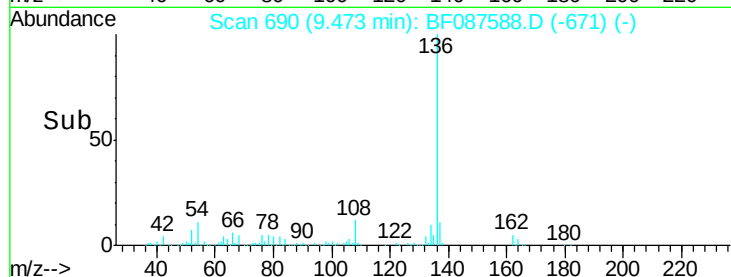
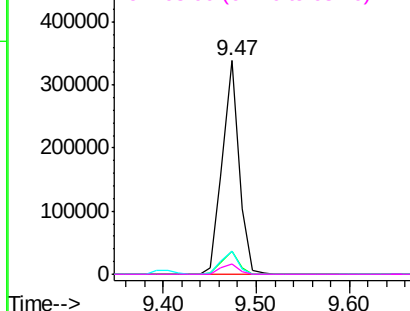
Abundance

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: 51.11 ng

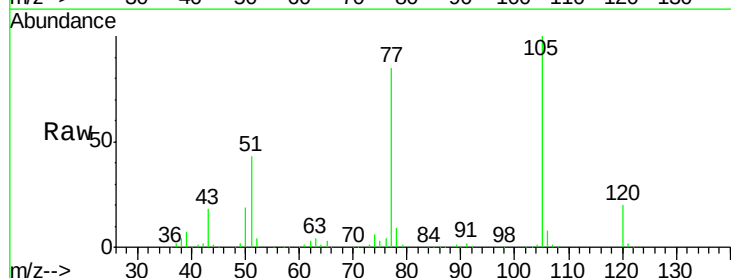
RT: 8.14 min Scan# 573

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Tgt Ion:	105	Resp:	517195
Ion	Ratio	Lower	Upper
105	100		
71	0.1	4.8	7.2#
51	43.0	32.6	49.0
120	19.8	16.5	24.7



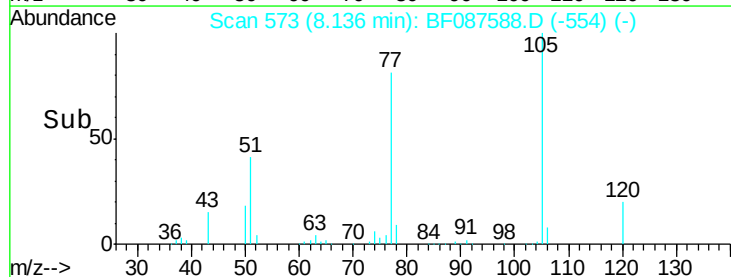
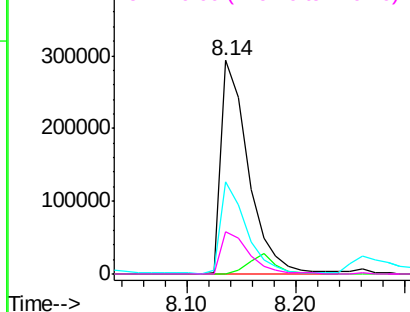
Abundance

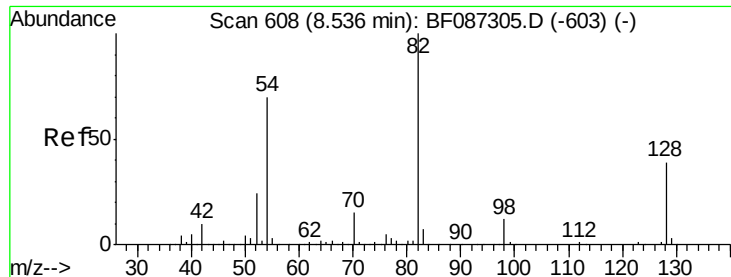
Ion 105.00 (104.70 to 105.70): E

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

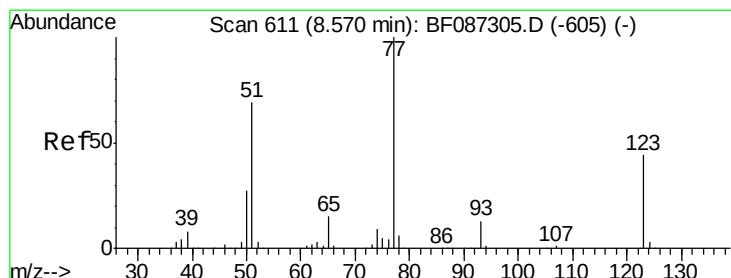
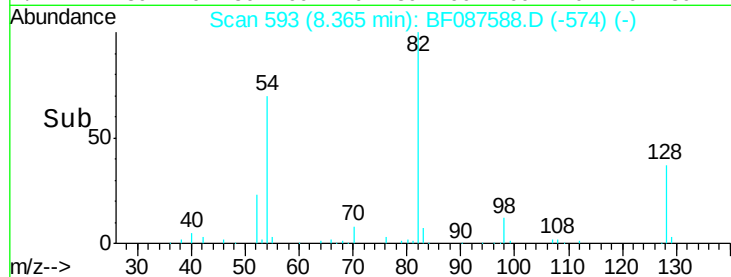
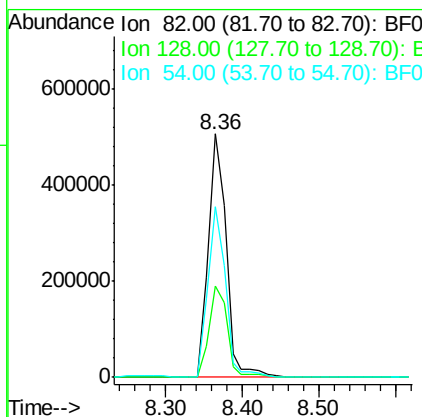
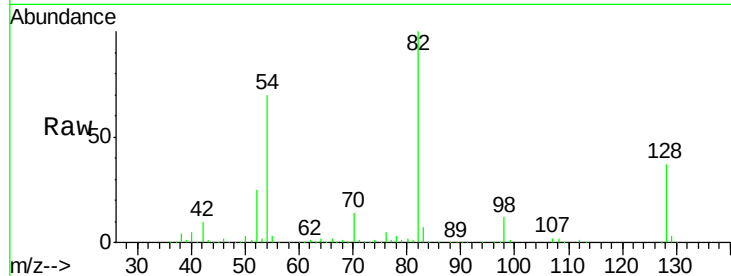




#23
 Nitrobenzene-d5
 Concen: 96.76 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

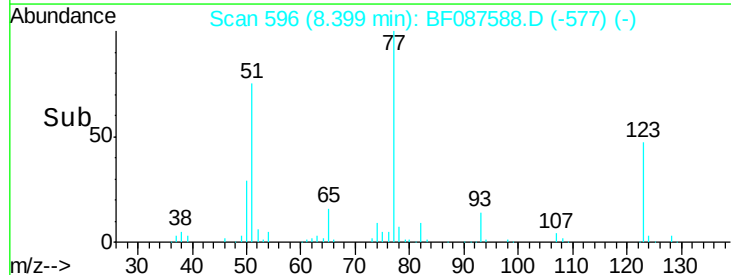
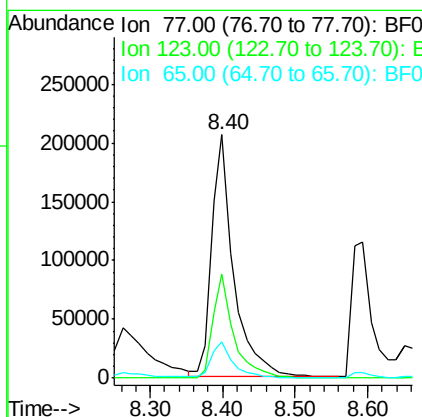
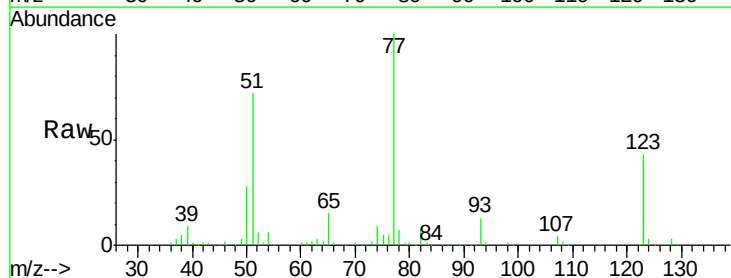
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

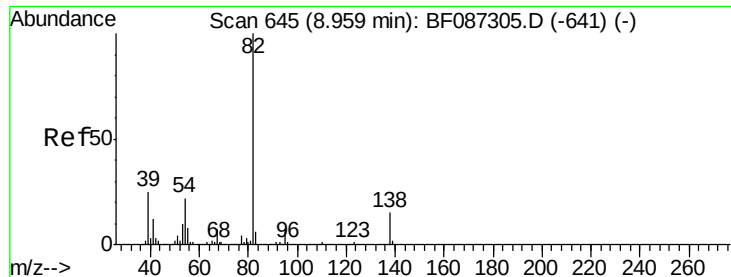
Tgt Ion: 82 Resp: 813270
 Ion Ratio Lower Upper
 82 100
 128 37.5 40.6 61.0#
 54 70.1 38.1 57.1#



#24
 Nitrobenzene
 Concen: 48.37 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion: 77 Resp: 429120
 Ion Ratio Lower Upper
 77 100
 123 42.6 33.0 49.4
 65 15.2 10.8 16.2





#25

Isophorone

Concen: 48.13 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.09 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

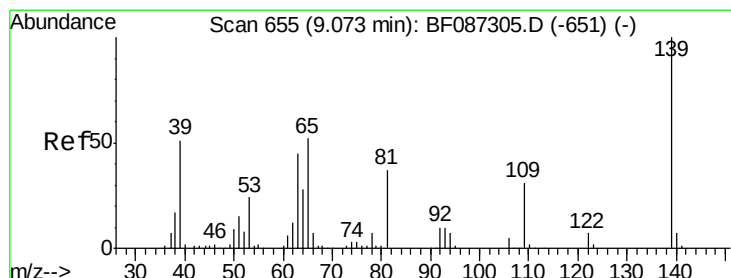
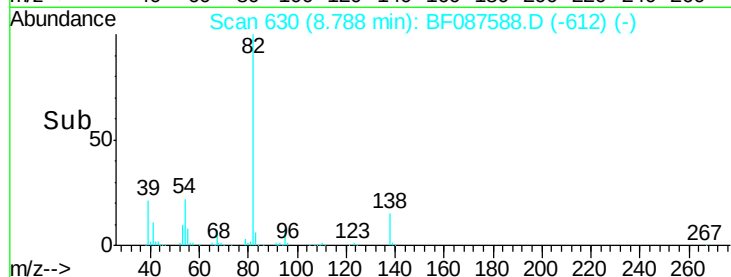
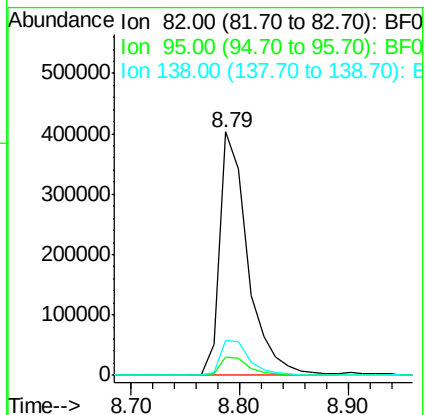
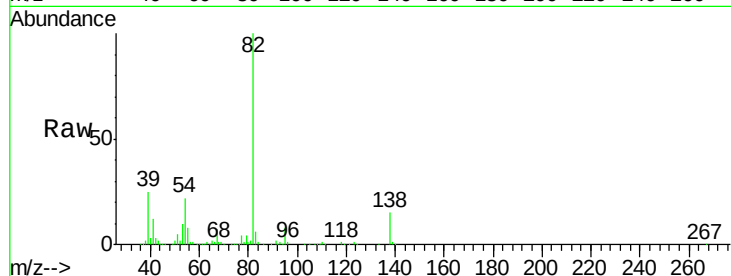
Tgt Ion: 82 Resp: 725541

Ion Ratio Lower Upper

82 100

95 7.7 5.1 7.7

138 14.5 12.4 18.6



#26

2-Nitrophenol

Concen: 50.25 ng

RT: 8.90 min Scan# 640

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

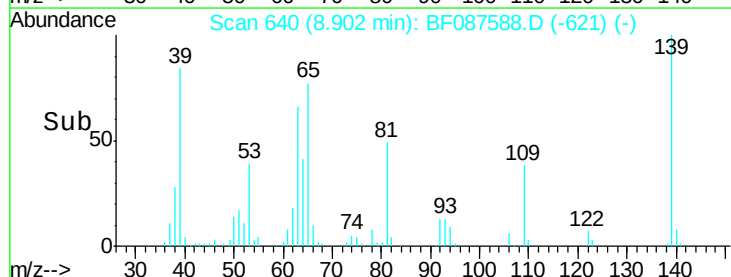
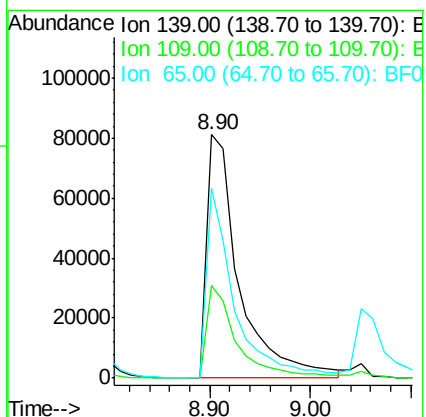
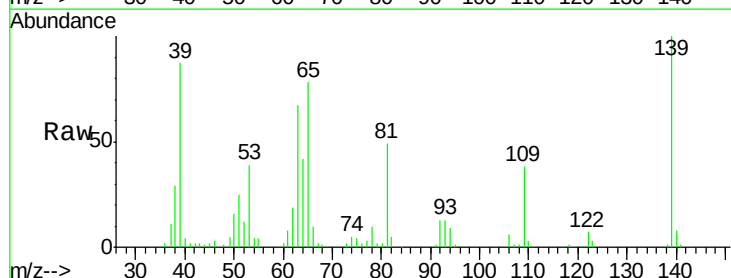
Tgt Ion: 139 Resp: 182245

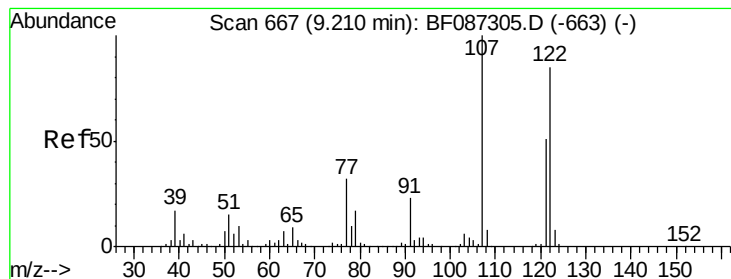
Ion Ratio Lower Upper

139 100

109 37.9 19.5 29.3#

65 77.9 37.5 56.3#





#27

2,4-Dimethylphenol

Concen: 51.62 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

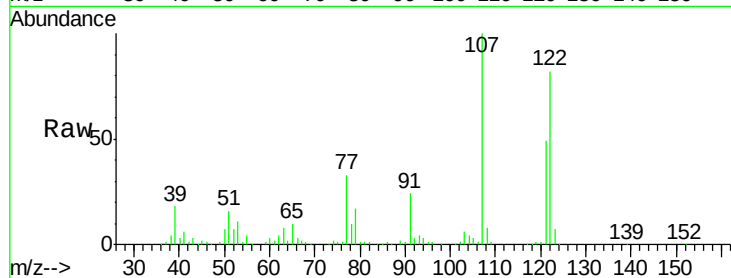
Tgt Ion:122 Resp: 324989

Ion Ratio Lower Upper

122 100

107 121.5 82.0 123.0

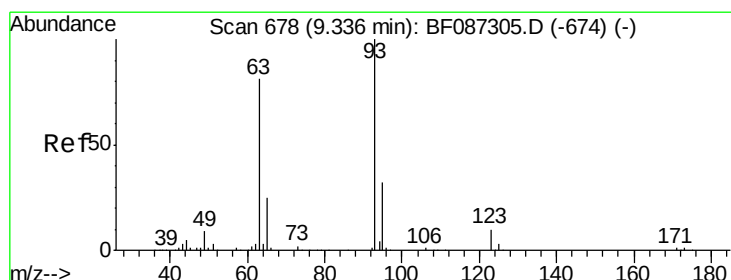
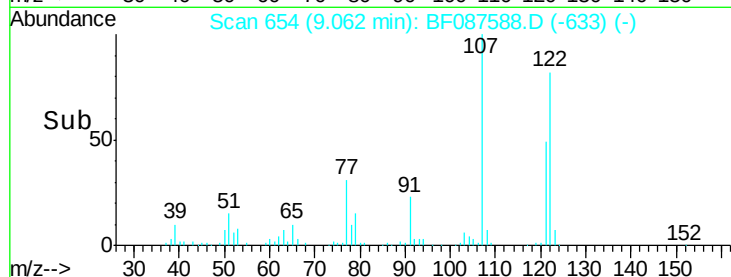
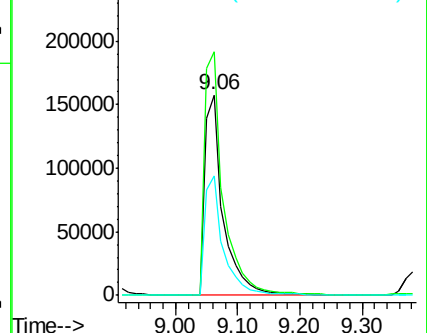
121 59.8 46.1 69.1



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: 49.82 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

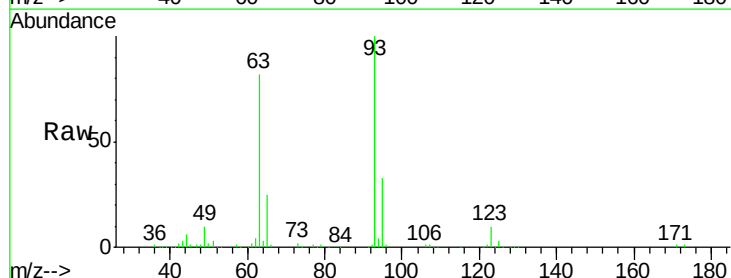
Tgt Ion: 93 Resp: 423014

Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

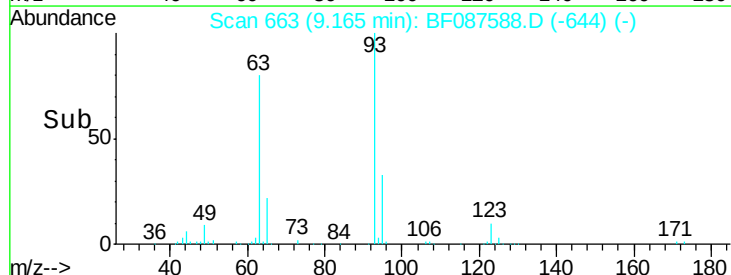
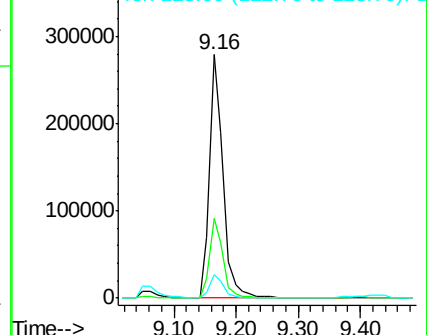
123 9.7 9.5 14.3

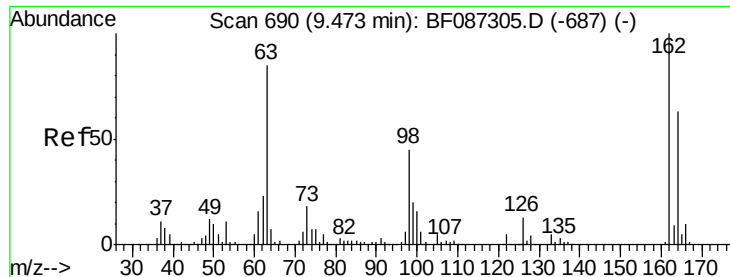


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

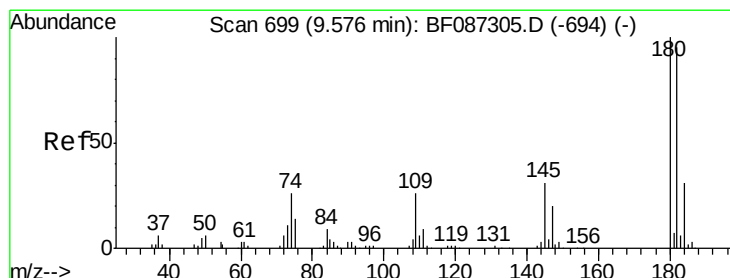
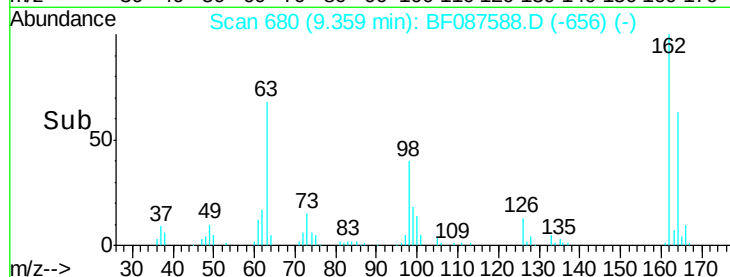
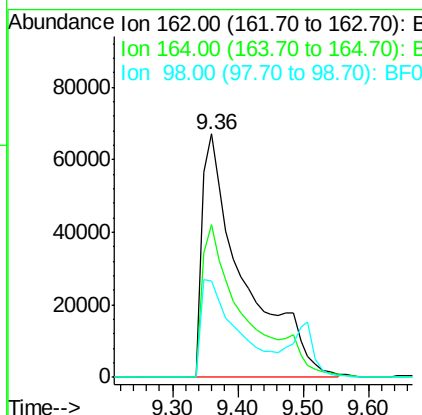
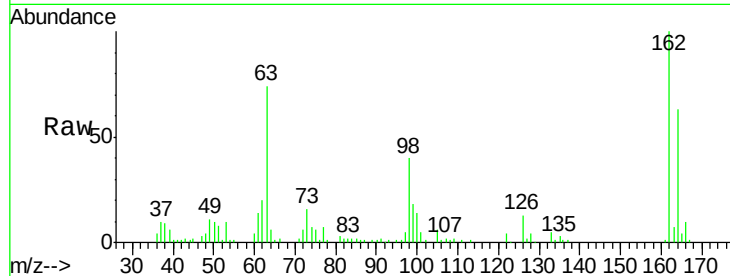




#29
 2,4-Dichlorophenol
 Concen: 52.40 ng
 RT: 9.36 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

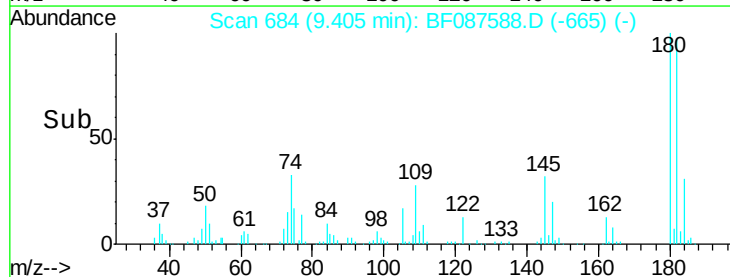
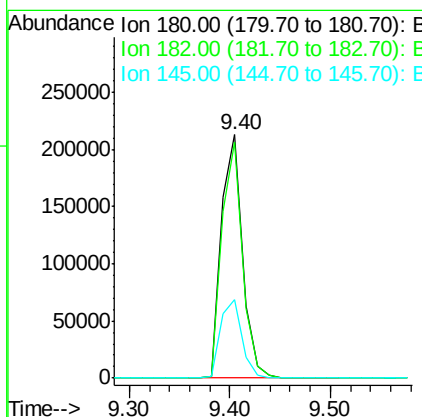
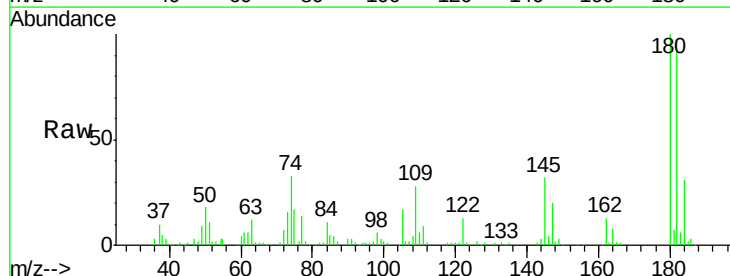
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

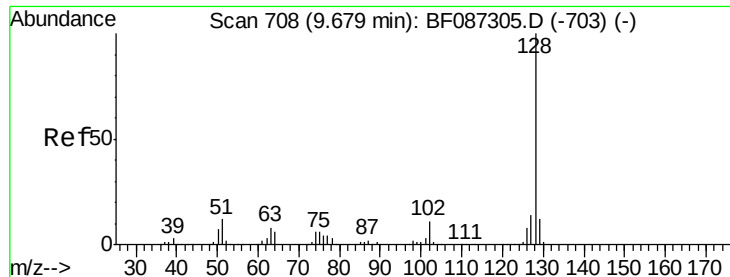
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.7	42.2	82.2
98	39.6	19.0	59.0



#30
 1,2,4-Trichlorobenzene
 Concen: 47.60 ng
 RT: 9.40 min Scan# 684
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.0	117.0
145	32.1	24.2	36.2

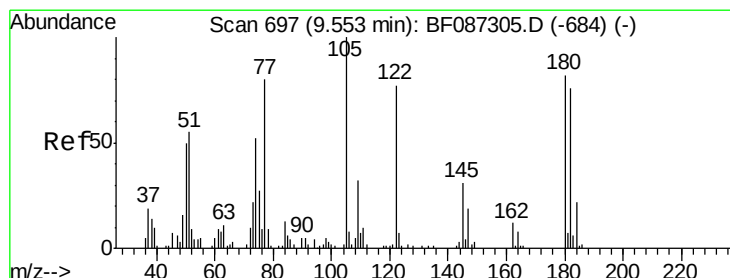
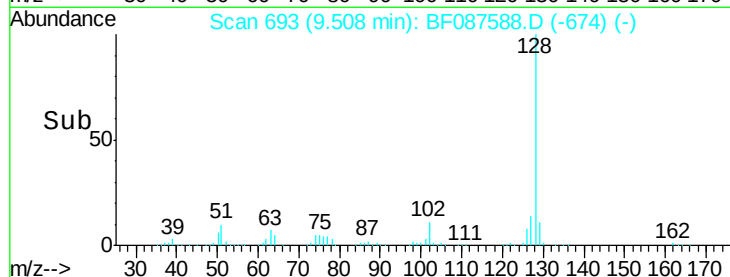
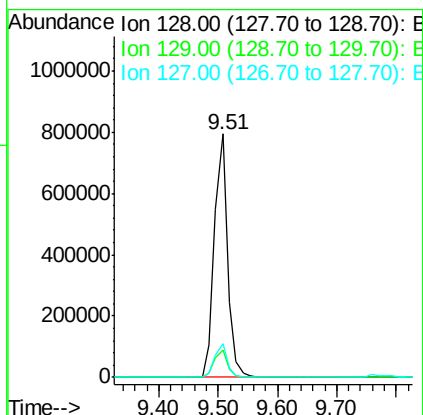
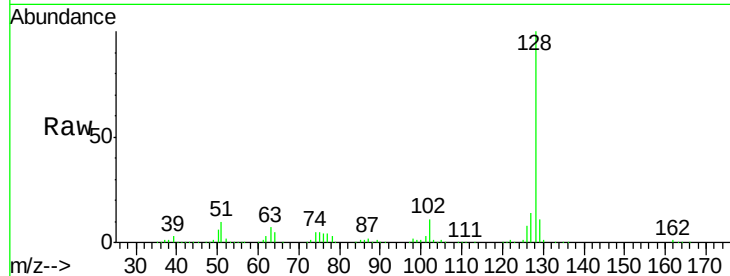




#31
Naphthalene
Concen: 57.45 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

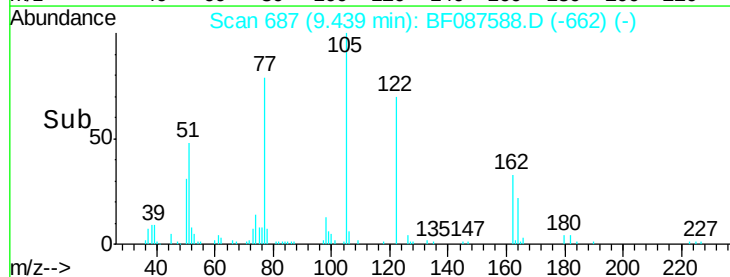
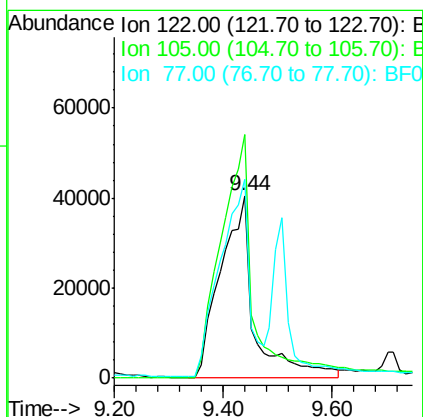
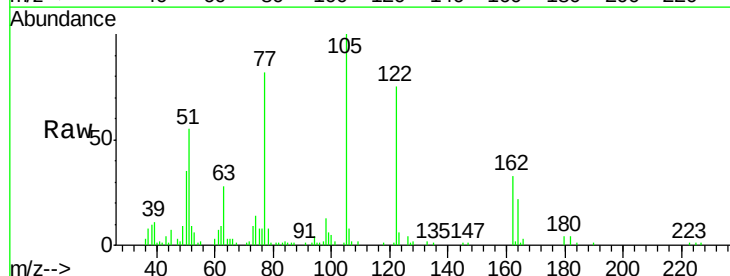
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

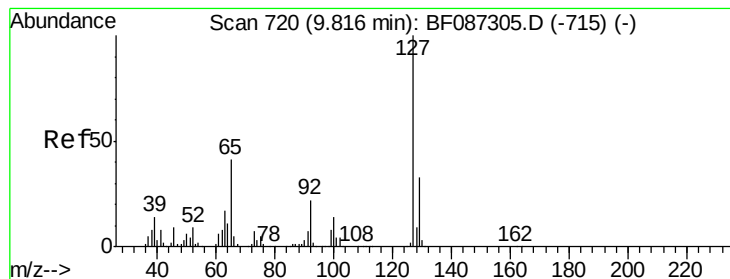
Tgt Ion:128 Resp: 1219429
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 53.27 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:122 Resp: 175067
Ion Ratio Lower Upper
122 100
105 133.5 92.6 132.6#
77 108.9 60.0 100.0#





#33

4-Chloroaniline

Concen: 3.36 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.02 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

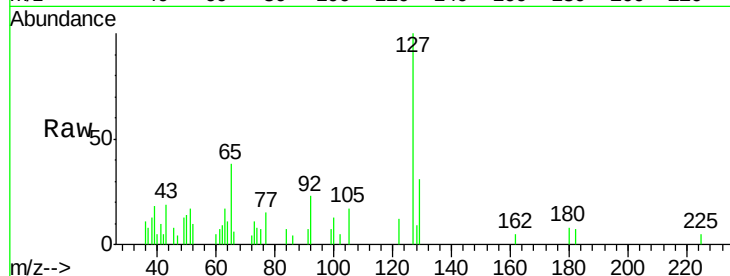
Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

Tgt Ion:	127	Resp:	26280
Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.2	39.4
65	38.3	23.0	34.4#
92	23.3	15.1	22.7#

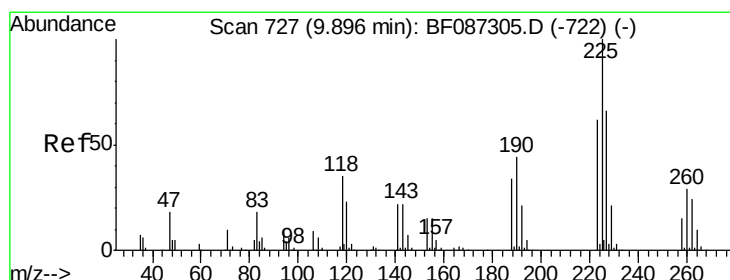
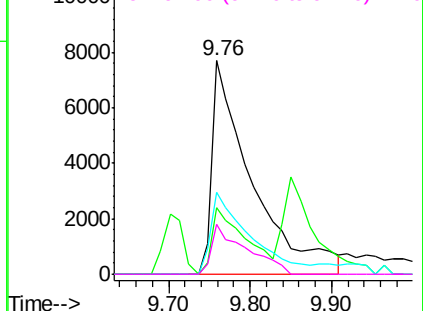
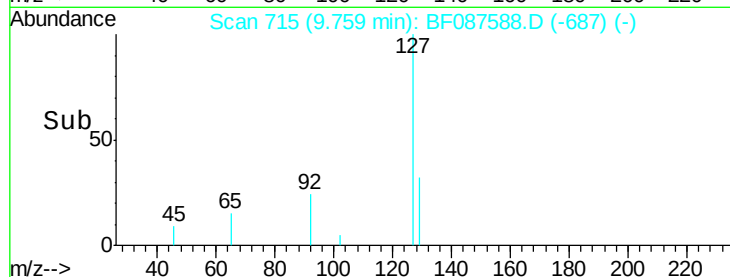


Abundance Ion 127.00 (126.70 to 127.70): E

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: 45.91 ng

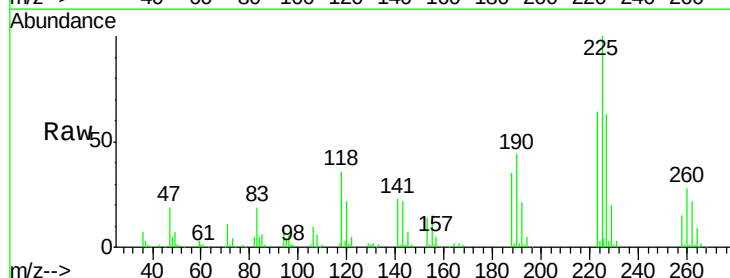
RT: 9.71 min Scan# 711

Delta R.T. -0.09 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

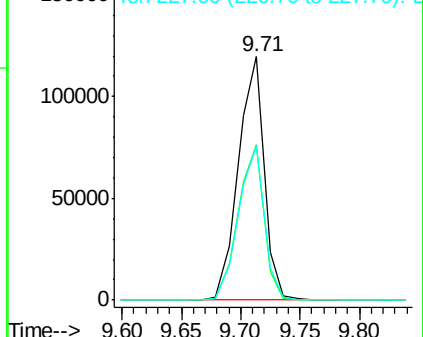
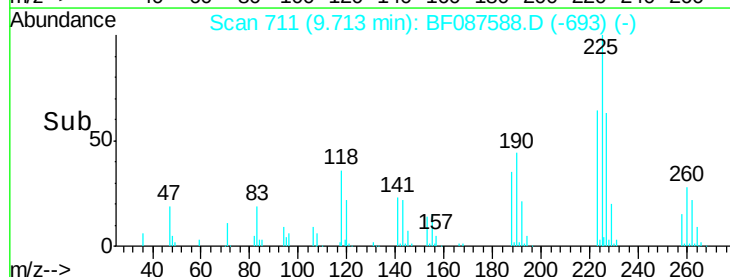
Tgt Ion:	225	Resp:	181271
Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.5	77.3
227	63.1	52.2	78.2

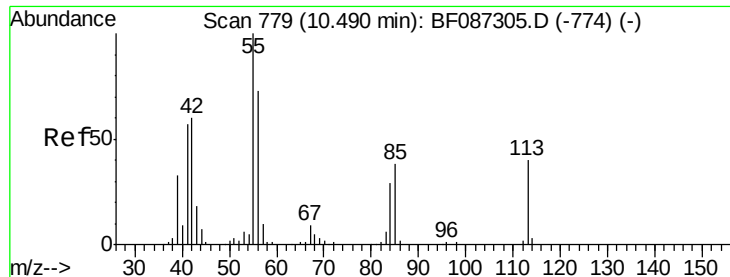


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

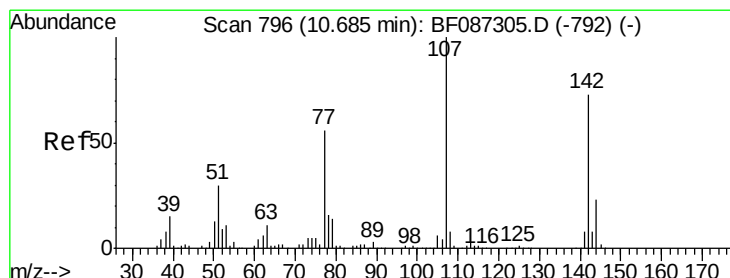
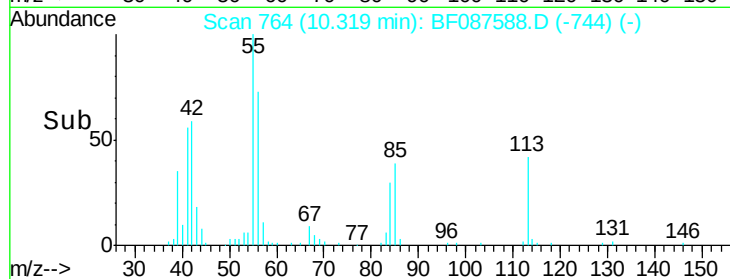
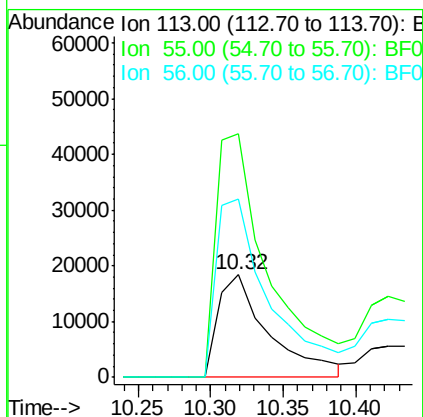
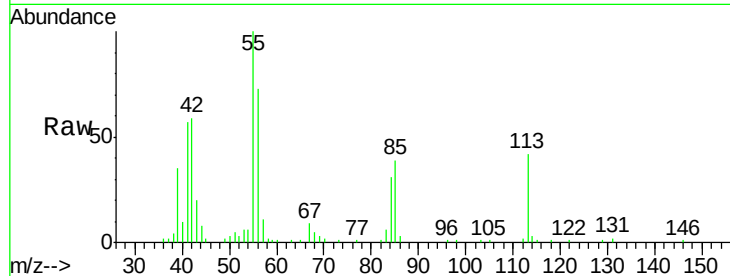




#35
 Caprolactam
 Concen: 26.98 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.07 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

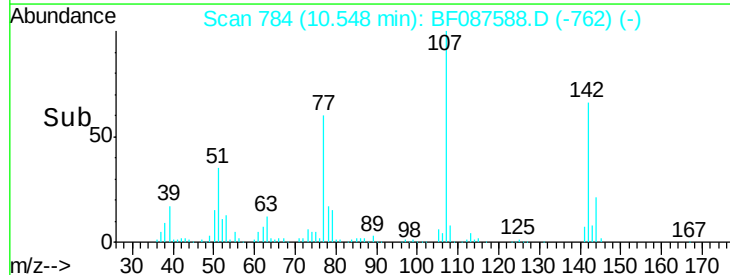
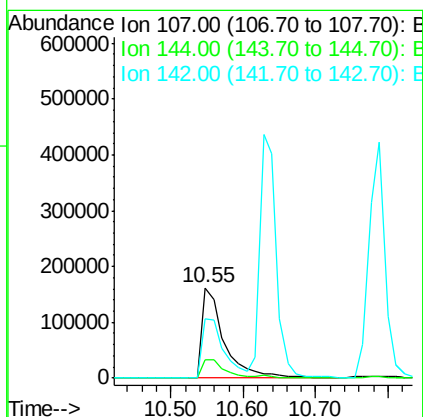
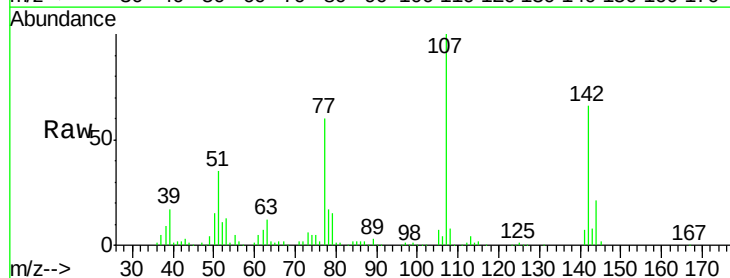
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

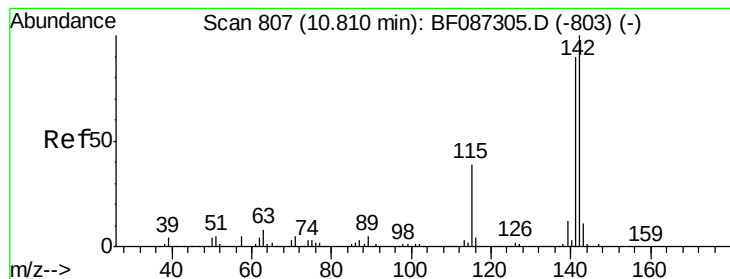
Tgt Ion:113 Resp: 44680
 Ion Ratio Lower Upper
 113 100
 55 237.5 162.0 202.0#
 56 173.4 115.3 155.3#



#36
 4-Chloro-3-methylphenol
 Concen: 54.05 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.05 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion:107 Resp: 346726
 Ion Ratio Lower Upper
 107 100
 144 20.9 20.7 31.1
 142 65.5 63.2 94.8





#37

2-Methylnaphthalene

Concen: 53.06 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.09 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

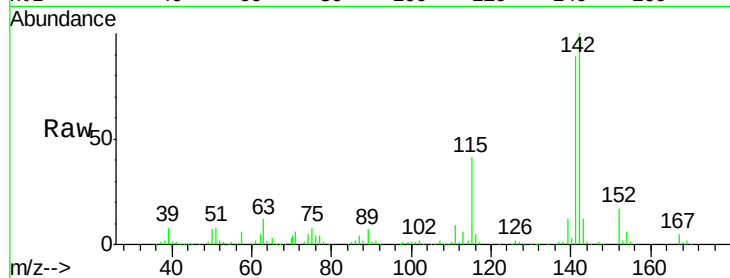
Tgt Ion:142 Resp: 703577

Ion Ratio Lower Upper

142 100

141 88.9 71.0 106.6

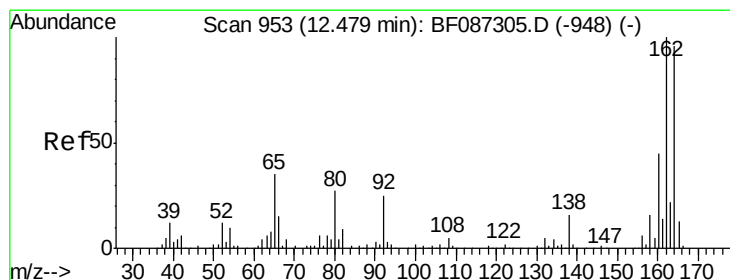
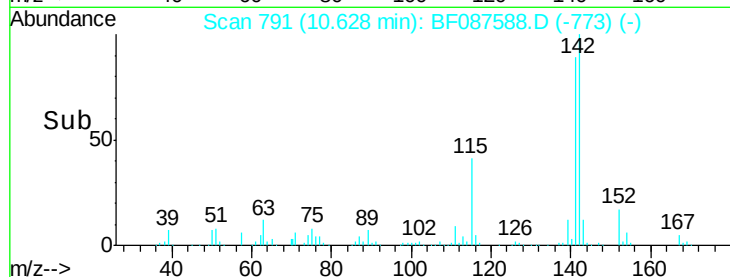
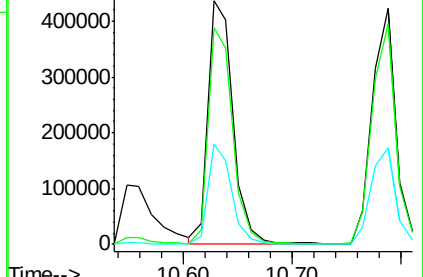
115 41.3 26.6 39.8#



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: 12.30 min Scan# 937

Delta R.T. -0.09 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

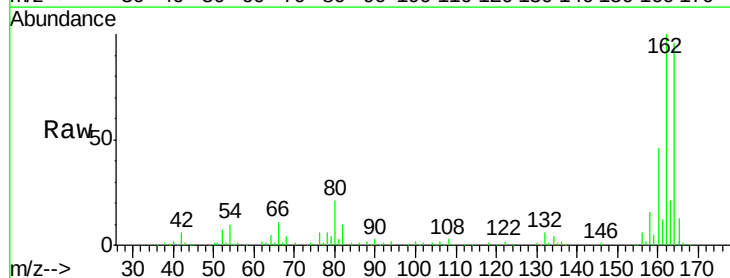
Tgt Ion:164 Resp: 203029

Ion Ratio Lower Upper

164 100

162 104.0 82.8 124.2

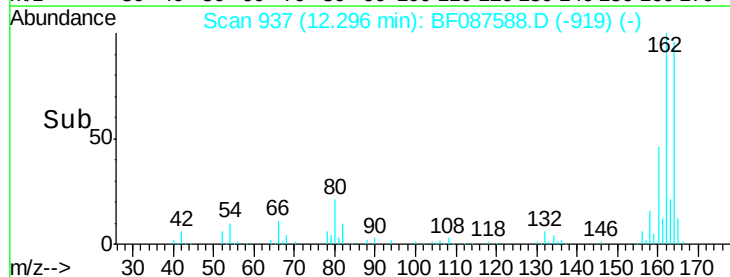
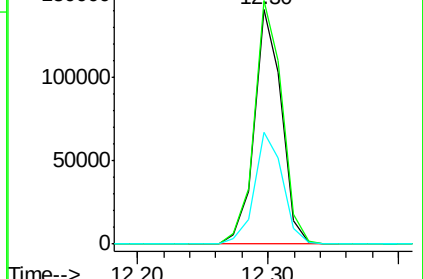
160 47.6 36.9 55.3

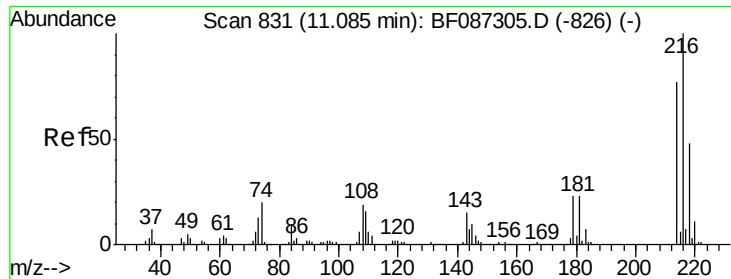


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

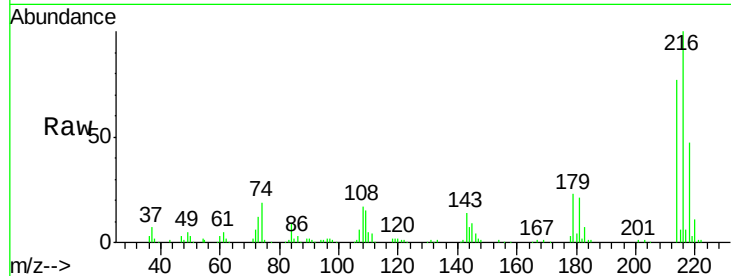




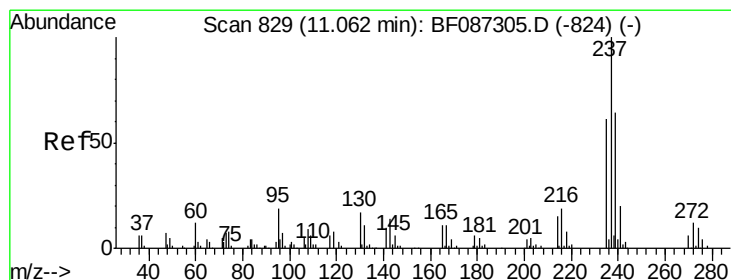
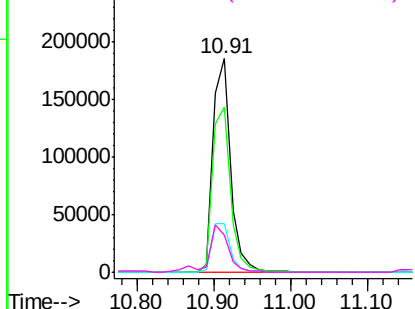
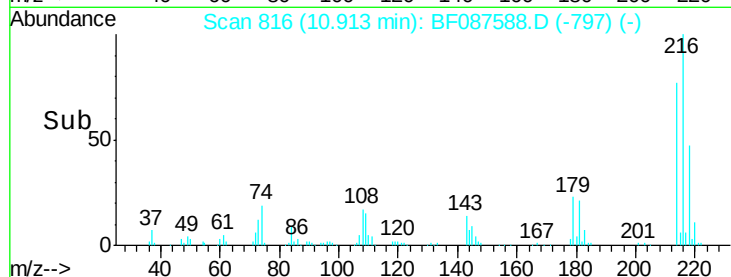
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.50 ng
 RT: 10.91 min Scan# 816
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

Tgt Ion:	216	Resp:	295713
Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.6	93.8
179	24.1	18.2	27.4
108	24.1	17.5	26.3

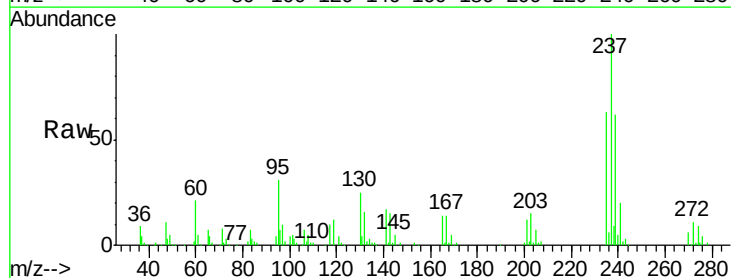


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

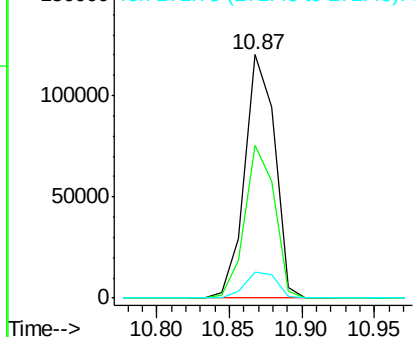
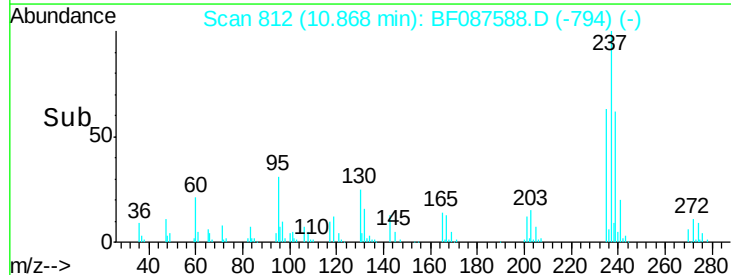


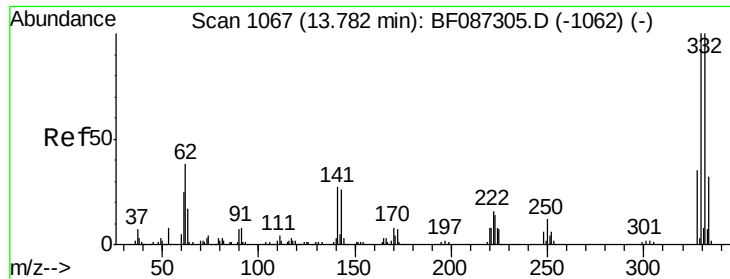
#40
 Hexachlorocyclopentadiene
 Concen: 66.48 ng
 RT: 10.87 min Scan# 812
 Delta R.T. -0.09 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion:	237	Resp:	172960
Ion	Ratio	Lower	Upper
237	100		
235	62.9	47.2	87.2
272	10.9	0.0	31.1



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

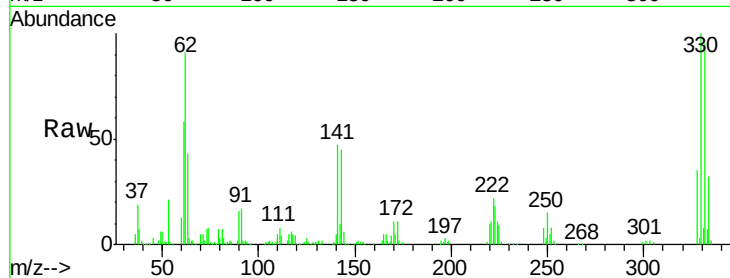




#41
 2,4,6-Tribromophenol
 Concen: 151.29 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	295183		
332	96.1	79.0	118.4	
141	41.6	31.2	46.8	

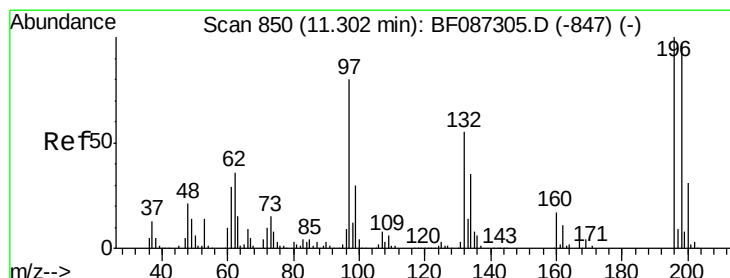
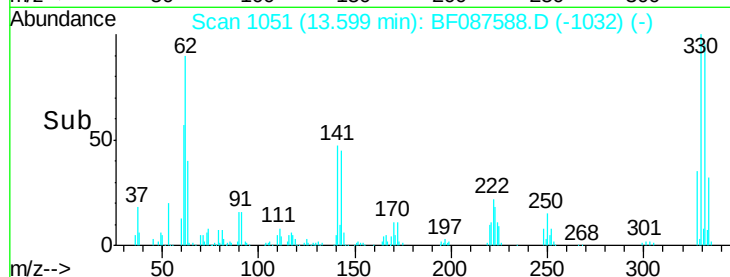
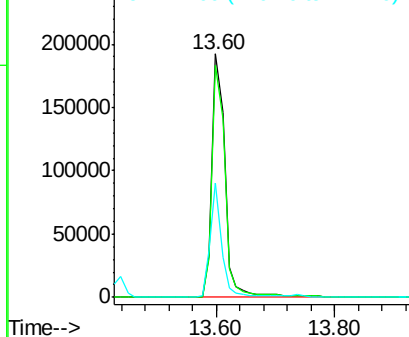


Abundance

Ion 329.80 (329.50 to 330.50): E

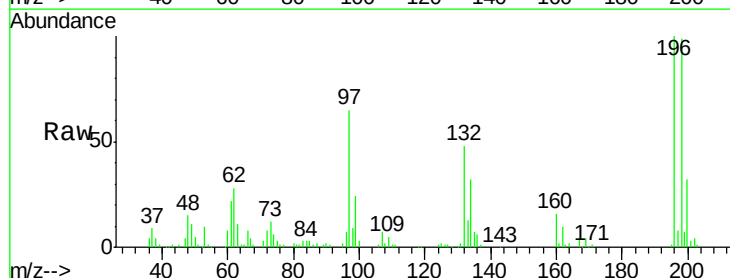
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 49.62 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.06 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	186126		
198	99.4	74.7	112.1	
200	31.8	23.8	35.6	

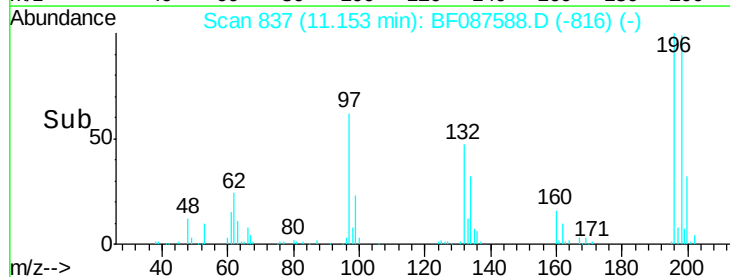
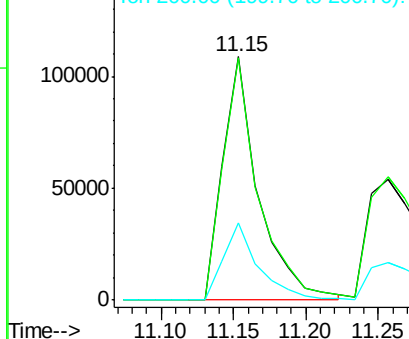


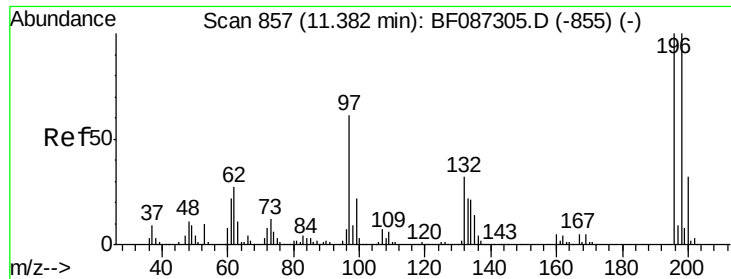
Abundance

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

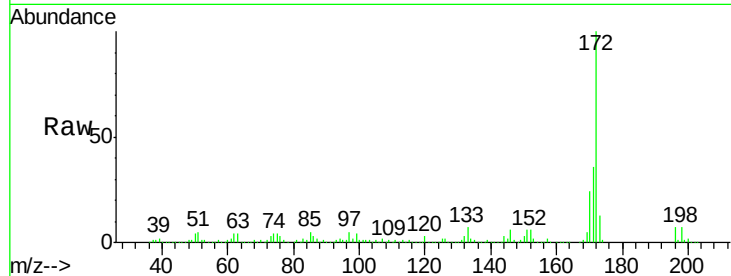




#43
 2,4,5-Trichlorophenol
 Concen: 46.38 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.03 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

Tgt Ion	Resp	Lower	Upper
196	177165		
196	100		
198	102.7	77.5	116.3
97	67.6	34.8	52.2
132	39.4	23.0	34.4



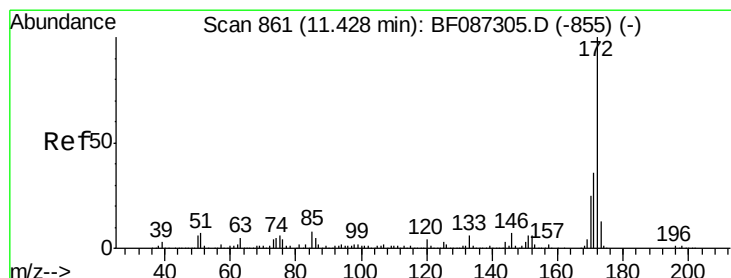
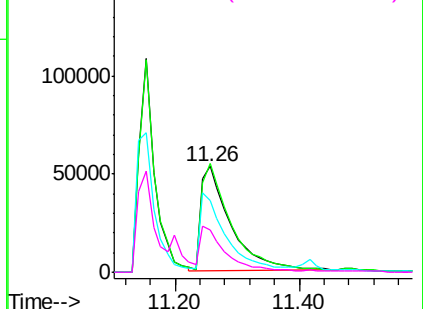
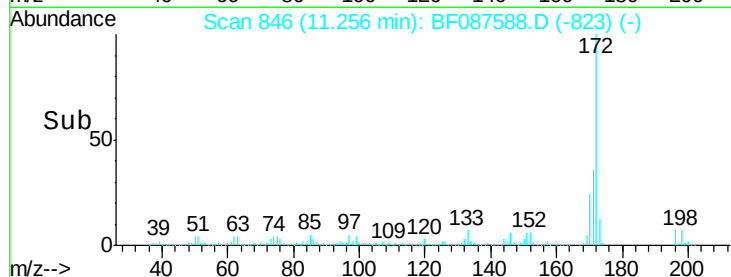
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

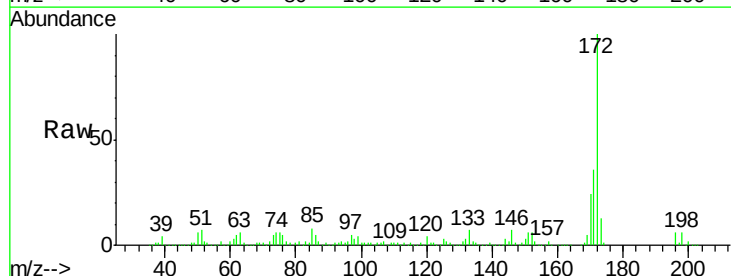
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.59 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.09 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion	Resp	Lower	Upper
172	1347841		
172	100		
171	36.0	29.0	43.6
170	24.4	19.8	29.8

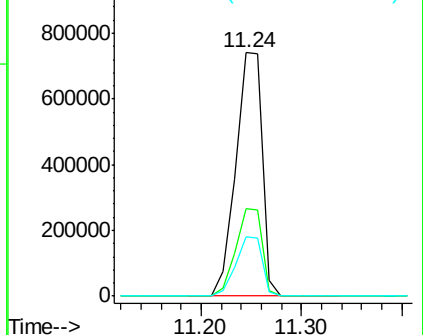
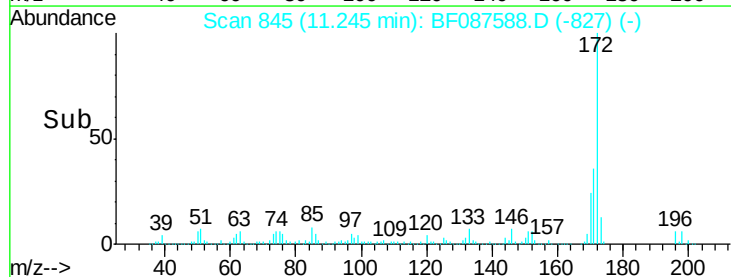


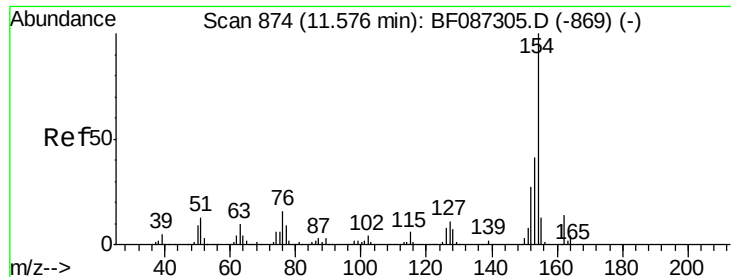
Abundance

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

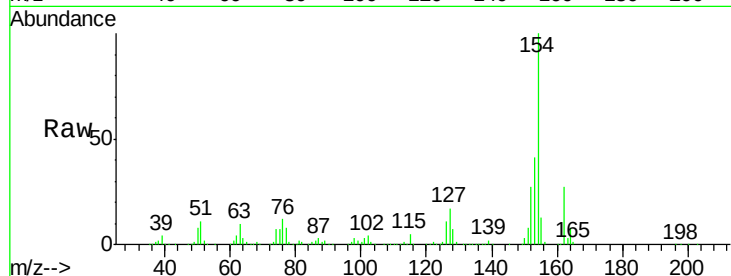




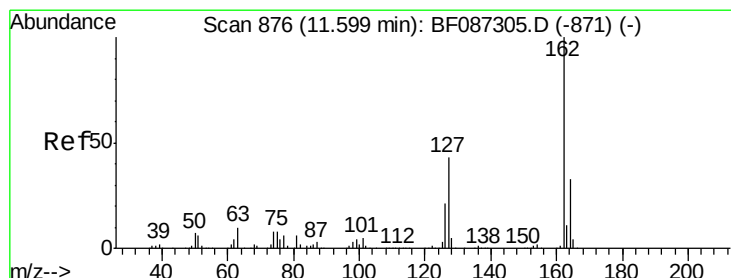
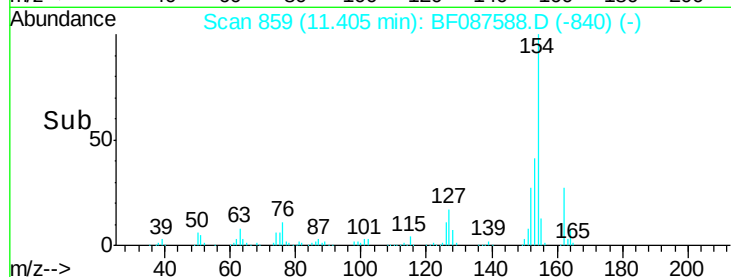
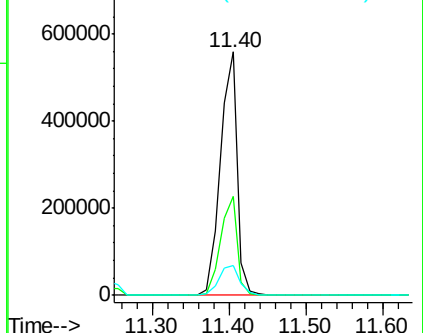
#45
 1,1'-Biphenyl
 Concen: 50.37 ng
 RT: 11.40 min Scan# 859
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	12.1	0.0	30.2

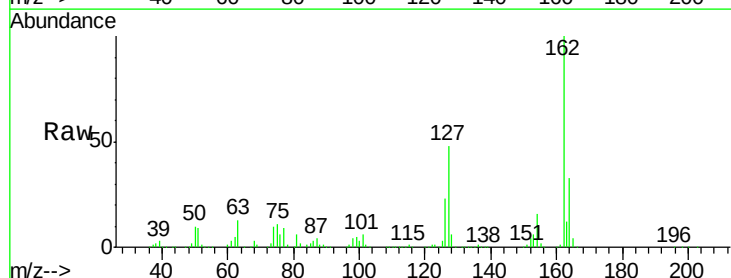


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

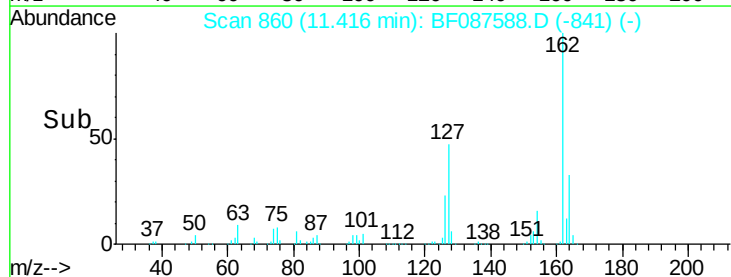
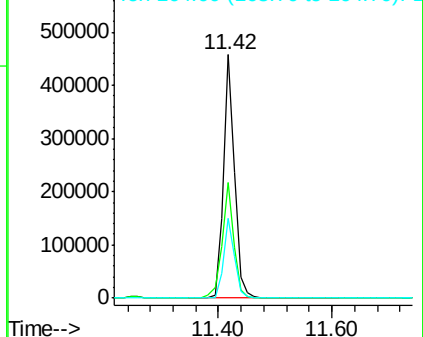


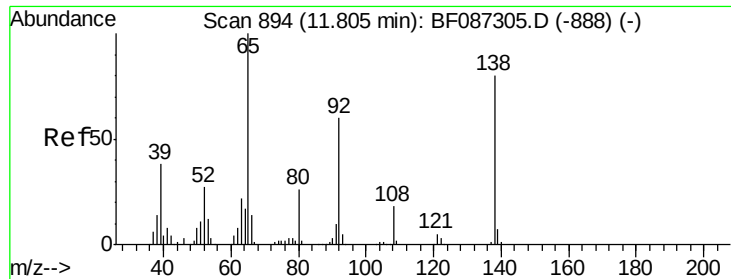
#46
 2-Chloronaphthalene
 Concen: 47.78 ng
 RT: 11.42 min Scan# 860
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion	Ratio	Lower	Upper
162	100		
127	47.6	31.8	47.6
164	32.5	27.0	40.6



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

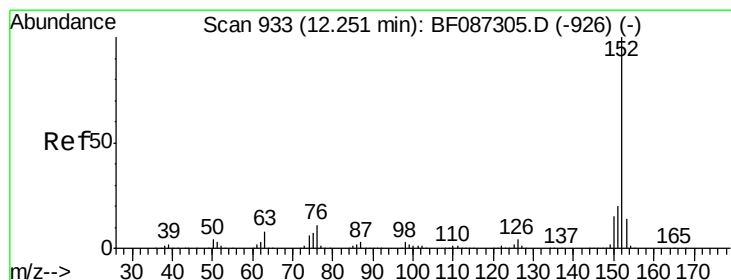
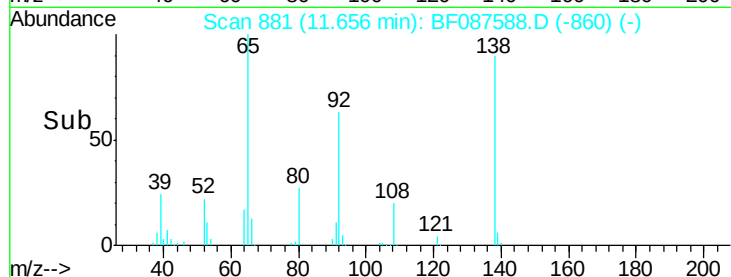
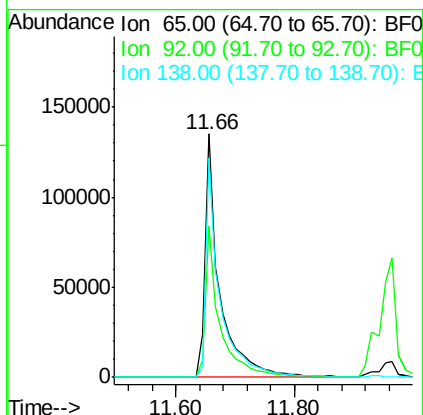
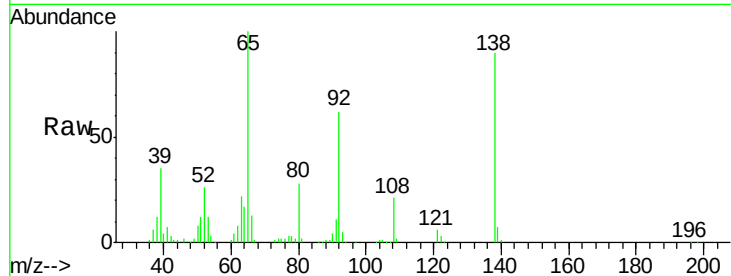




#47
2-Nitroaniline
Concen: 49.95 ng
RT: 11.66 min Scan# 881
Delta R.T. -0.06 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

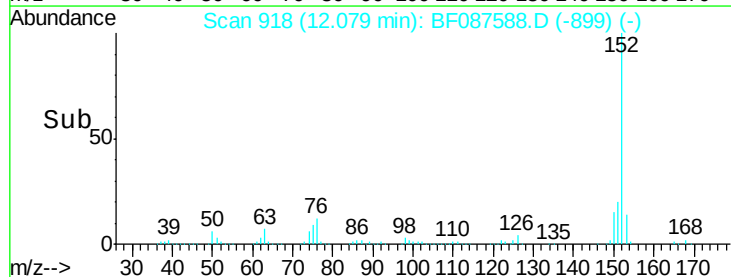
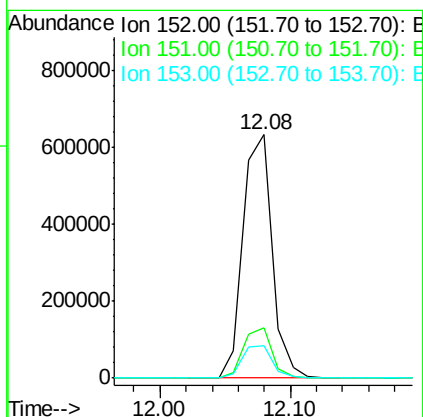
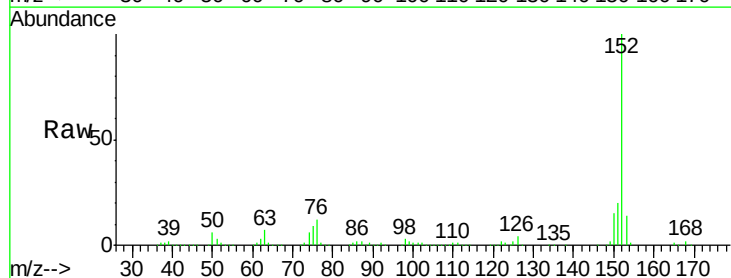
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

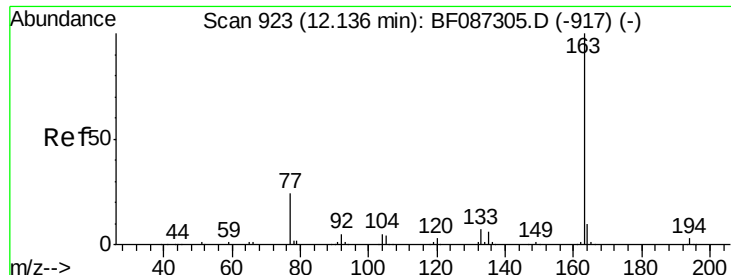
Tgt Ion: 65 Resp: 235352
Ion Ratio Lower Upper
65 100
92 62.4 57.4 86.2
138 90.3 90.1 135.1



#48
Acenaphthylene
Concen: 47.65 ng
RT: 12.08 min Scan# 918
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion: 152 Resp: 986587
Ion Ratio Lower Upper
152 100
151 20.4 16.8 25.2
153 13.6 10.9 16.3

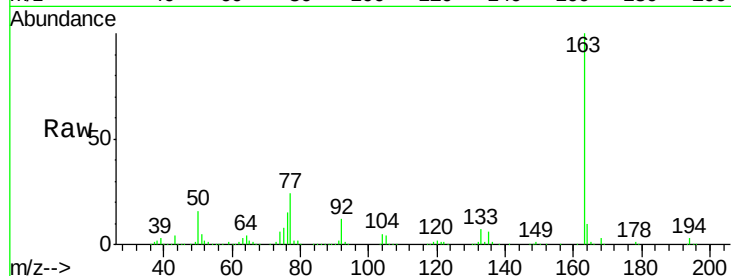




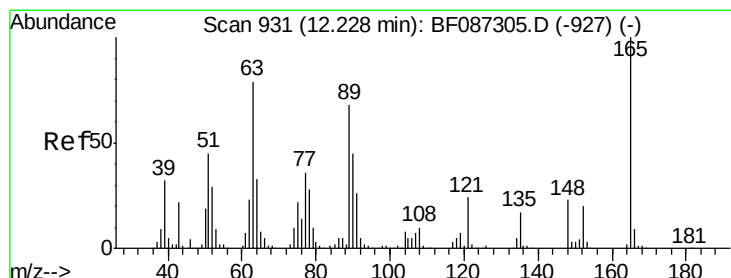
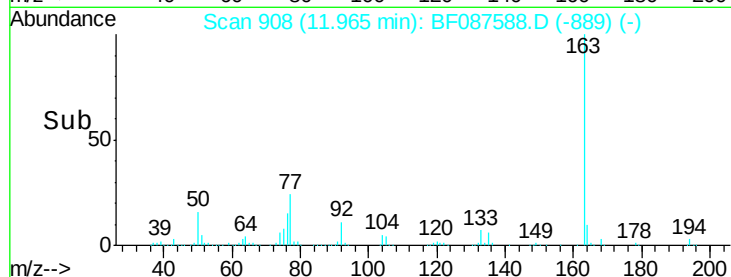
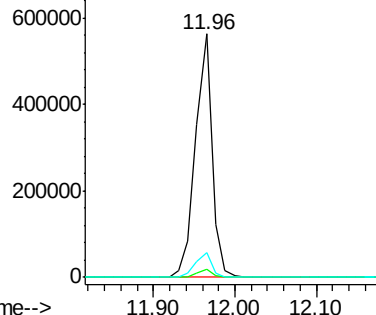
#49
Dimethylphthalate
Concen: 48.90 ng
RT: 11.96 min Scan# 908
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

Tgt Ion:163 Resp: 795282
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.9 8.2 12.4

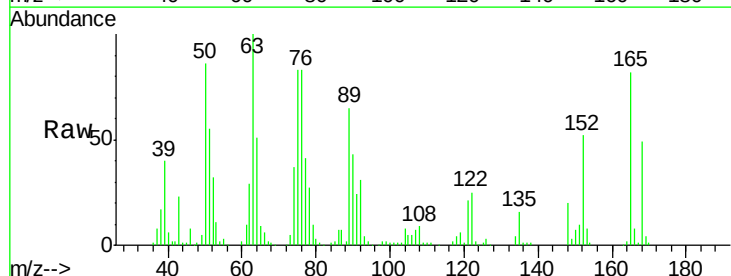


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

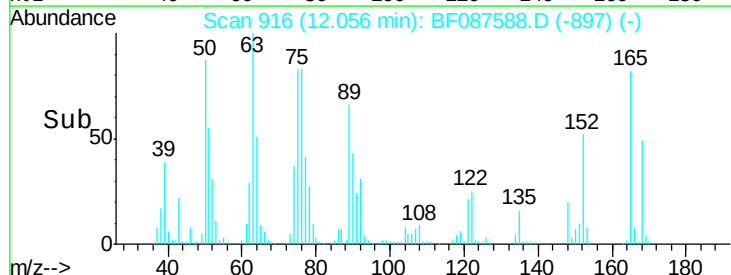
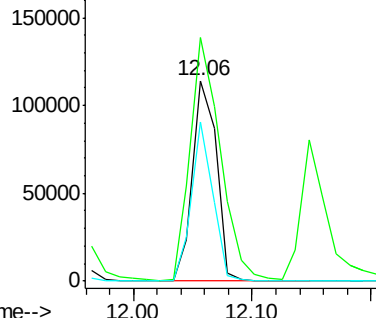


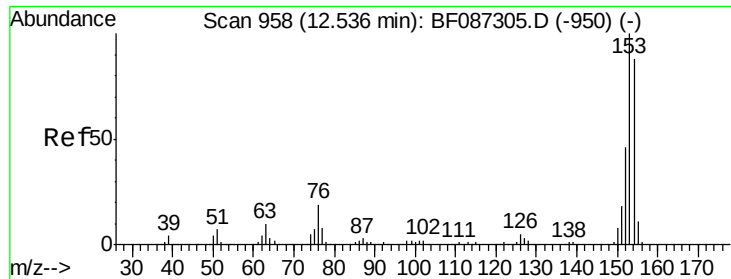
#50
2,6-Dinitrotoluene
Concen: 48.46 ng
RT: 12.06 min Scan# 916
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:165 Resp: 158821
Ion Ratio Lower Upper
165 100
63 121.7 51.8 77.8#
89 79.6 50.7 76.1#



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: 49.84 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

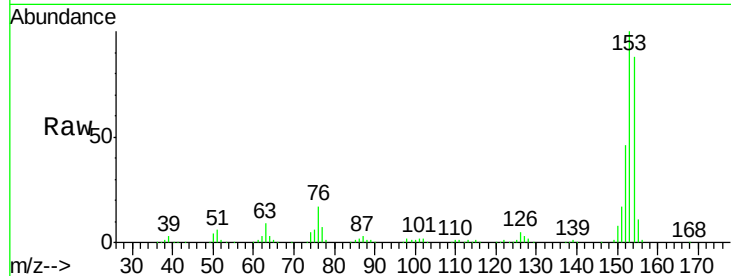
Tgt Ion:154 Resp: 634182

Ion Ratio Lower Upper

154 100

153 113.4 89.8 134.6

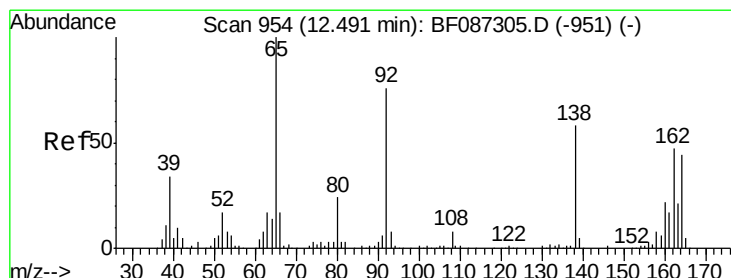
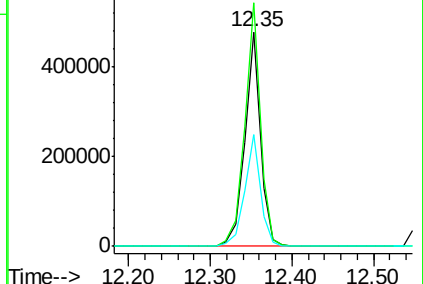
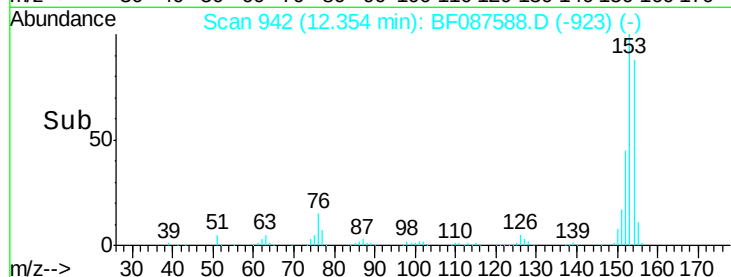
152 51.9 43.4 65.0



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: 8.79 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

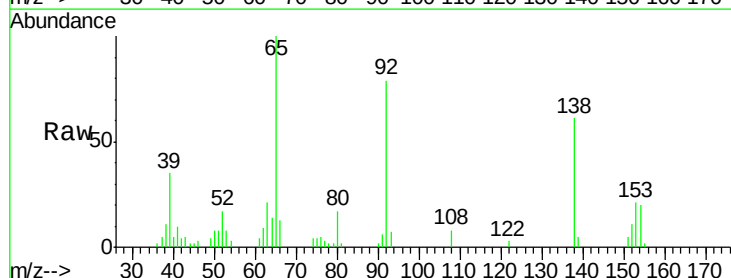
Tgt Ion:138 Resp: 29549

Ion Ratio Lower Upper

138 100

108 12.4 7.8 11.6#

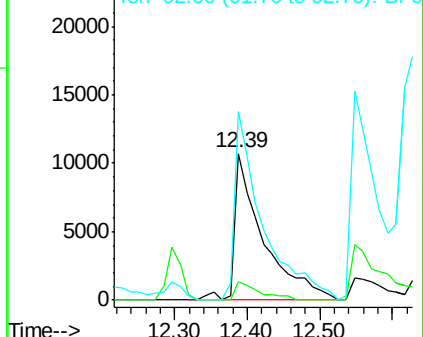
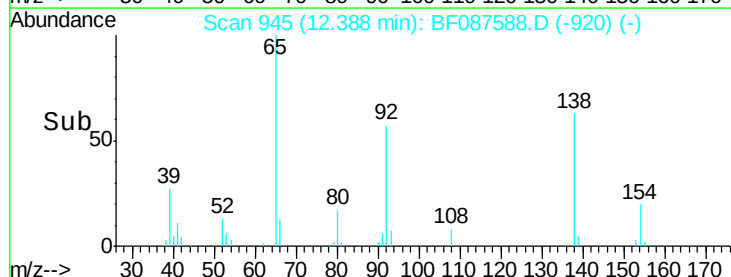
92 128.1 87.8 131.8

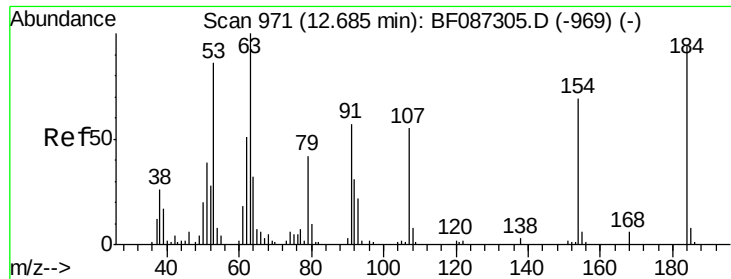


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

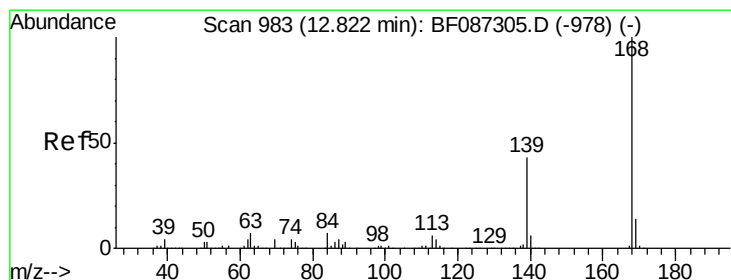
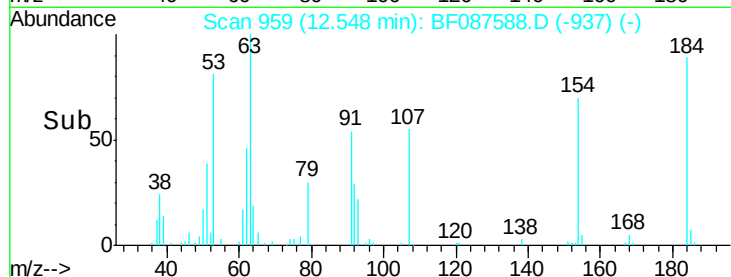
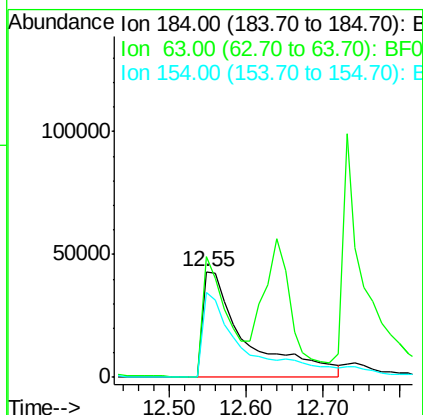
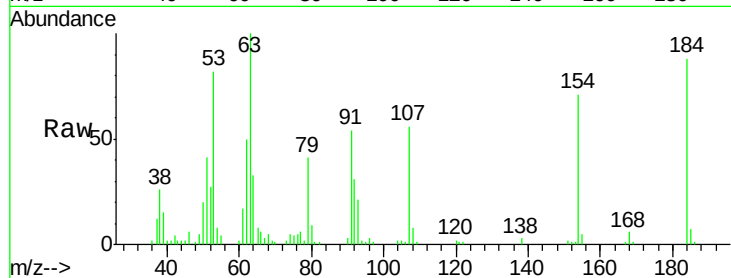




#53
2,4-Dinitrophenol
Concen: 99.16 ng
RT: 12.55 min Scan# 959
Delta R.T. -0.05 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

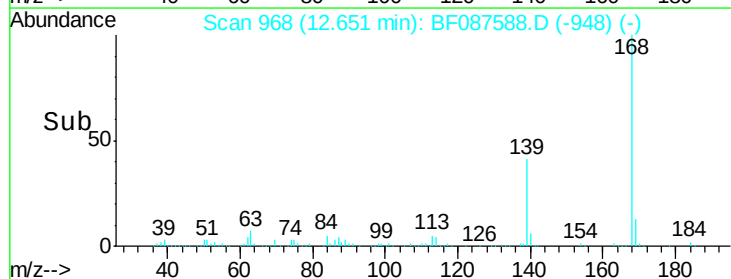
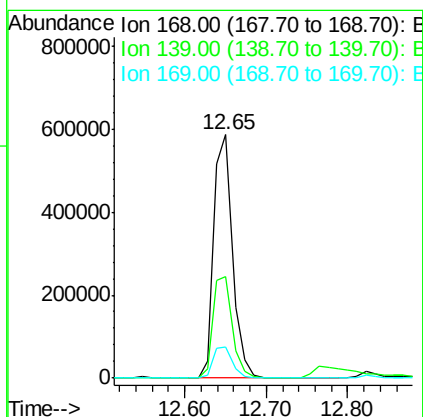
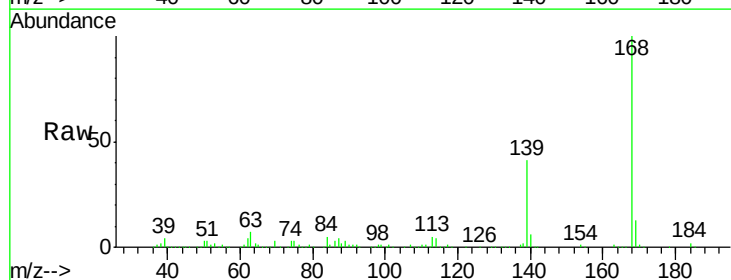
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

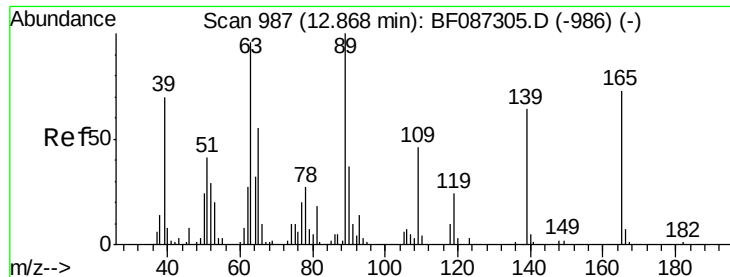
Tgt Ion:184 Resp: 169168
Ion Ratio Lower Upper
184 100
63 113.8 55.8 83.8#
154 80.2 62.4 93.6



#54
Dibenzofuran
Concen: 54.61 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.07 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:168 Resp: 940937
Ion Ratio Lower Upper
168 100
139 41.4 31.4 47.0
169 13.0 10.7 16.1





#55

4-Nitrophenol

Concen: 251.60 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.13 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

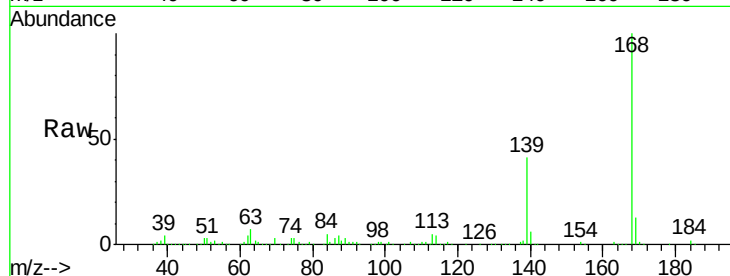
Tgt Ion:139 Resp: 403671

Ion Ratio Lower Upper

139 100

109 1.0 36.9 76.9#

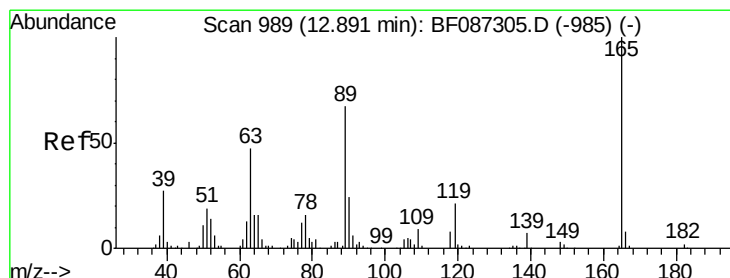
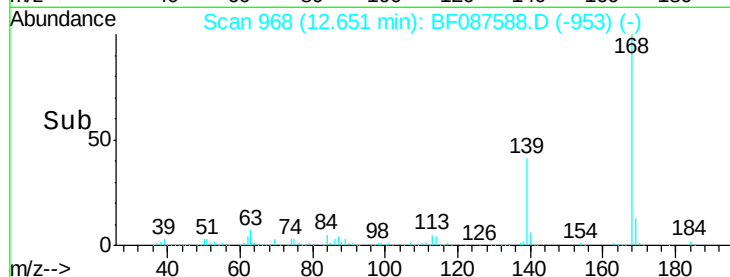
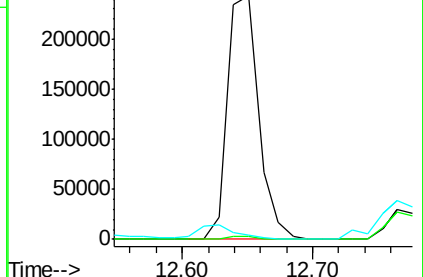
65 2.0 64.0 104.0#



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: 55.32 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Tgt Ion:165 Resp: 242303

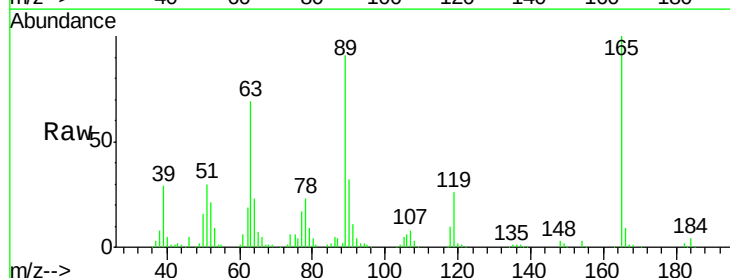
Ion Ratio Lower Upper

165 100

63 69.1 44.3 66.5#

89 91.0 70.0 105.0

182 2.4 1.8 2.6

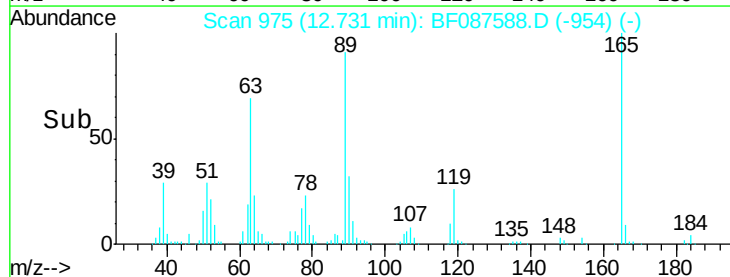
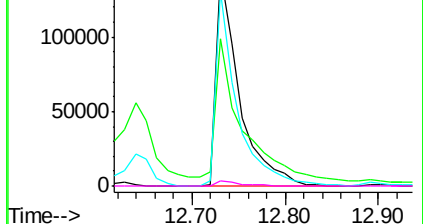


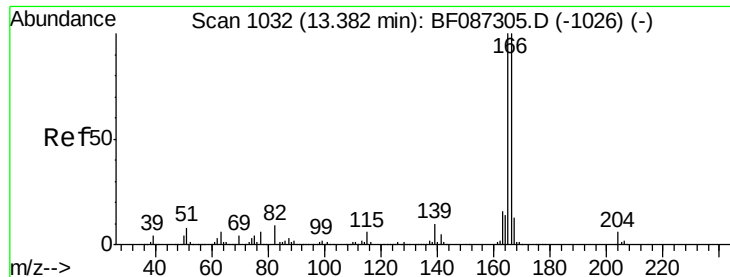
Abundance Ion 165.00 (164.70 to 165.70): E

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: 50.24 ng

RT: 13.20 min Scan# 1016

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

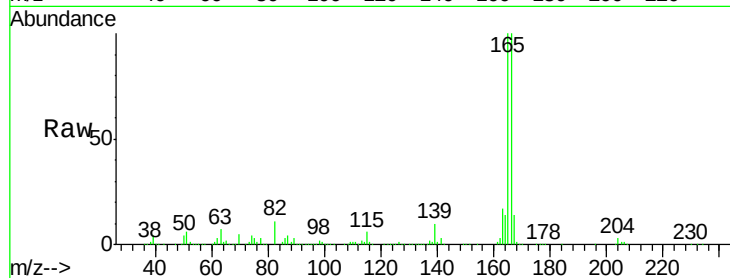
Tgt Ion:166 Resp: 750599

Ion Ratio Lower Upper

166 100

165 100.3 79.0 118.6

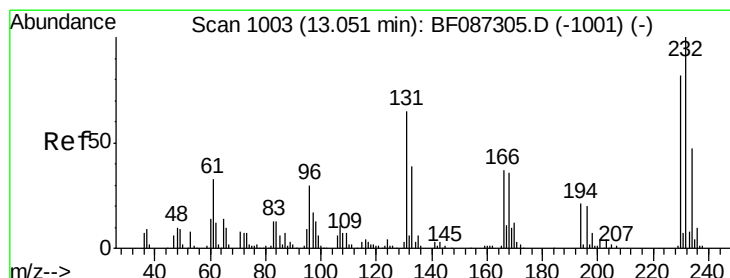
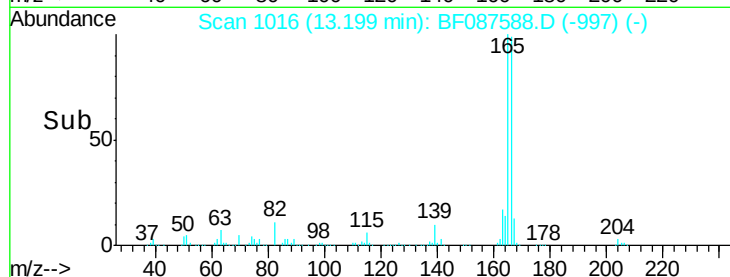
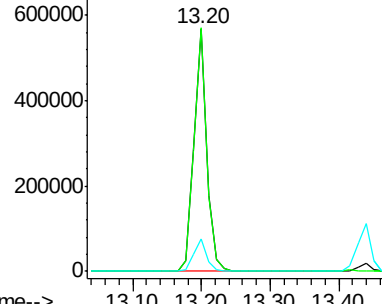
167 13.6 10.6 15.8



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: 57.52 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Tgt Ion:232 Resp: 169026

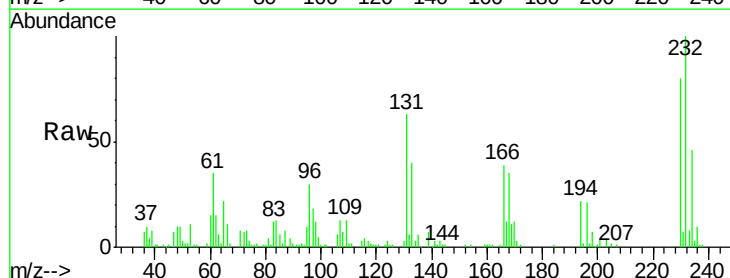
Ion Ratio Lower Upper

232 100

131 51.7 41.9 62.9

130 3.2 2.2 3.4

166 32.5 26.8 40.2

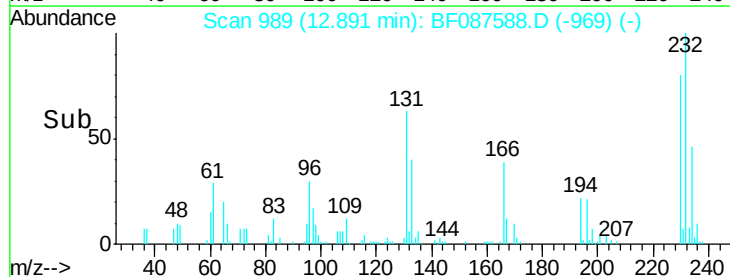
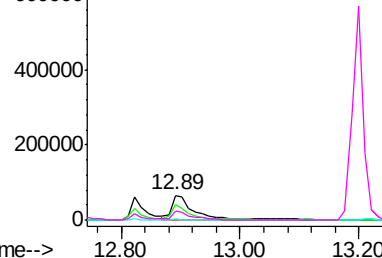


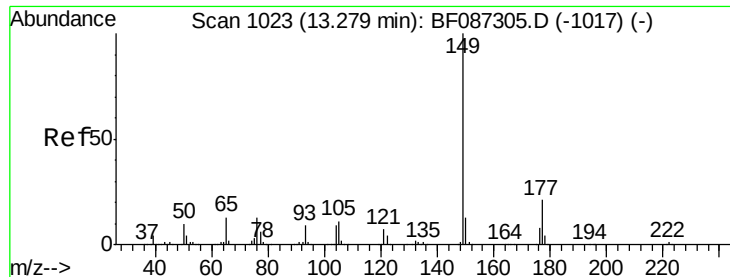
Abundance Ion 232.00 (231.70 to 232.70): E

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

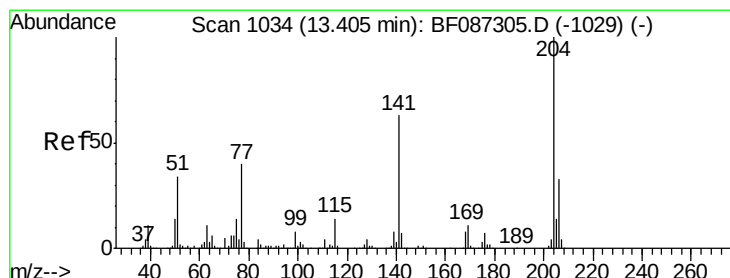
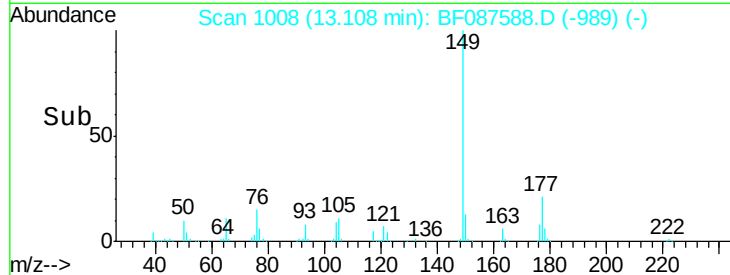
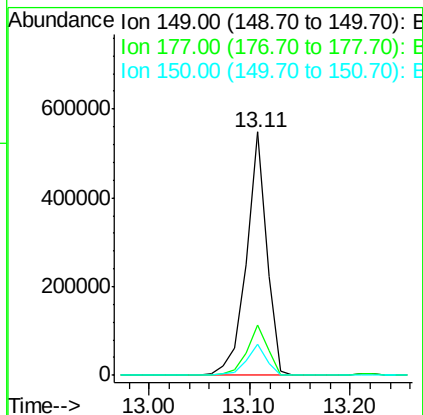
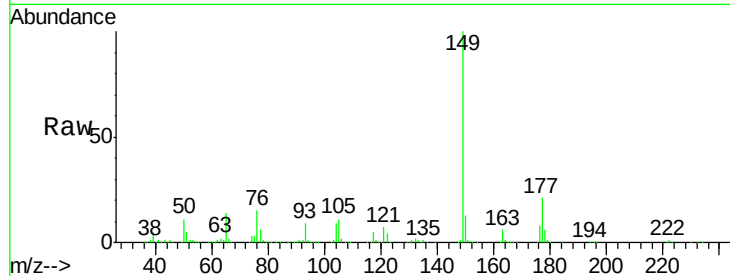




#59
Diethylphthalate
Concen: 48.61 ng
RT: 13.11 min Scan# 1008
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

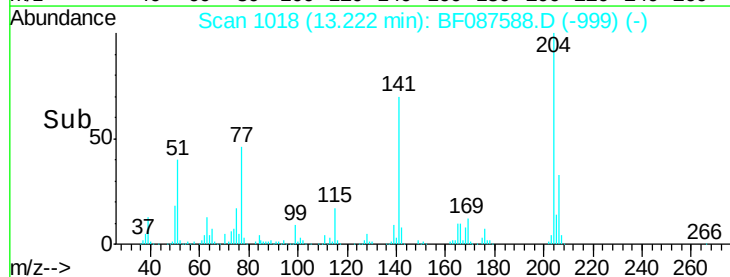
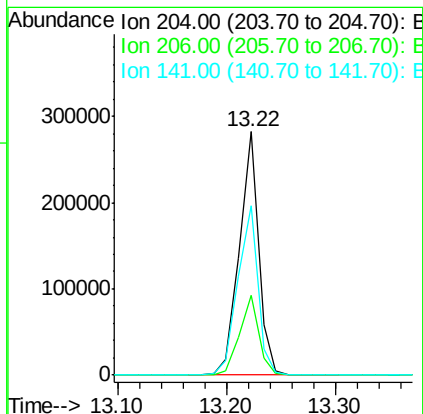
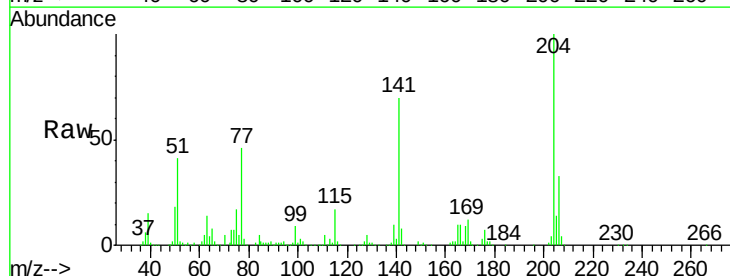
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

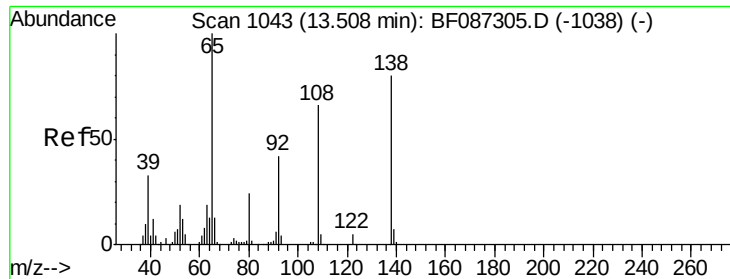
Tgt Ion:149 Resp: 768624
Ion Ratio Lower Upper
149 100
177 20.8 16.6 24.8
150 13.0 10.0 15.0



#60
4-Chlorophenyl-phenylether
Concen: 47.21 ng
RT: 13.22 min Scan# 1018
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:204 Resp: 343970
Ion Ratio Lower Upper
204 100
206 32.9 25.4 38.0
141 69.6 61.6 92.4

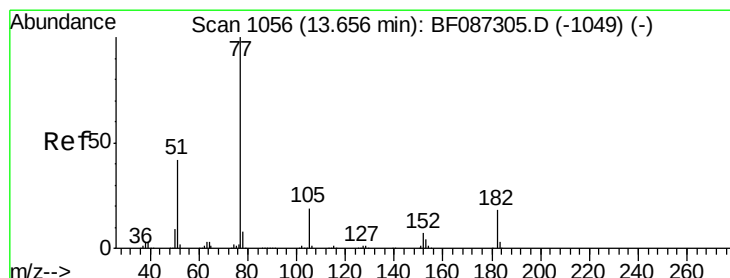
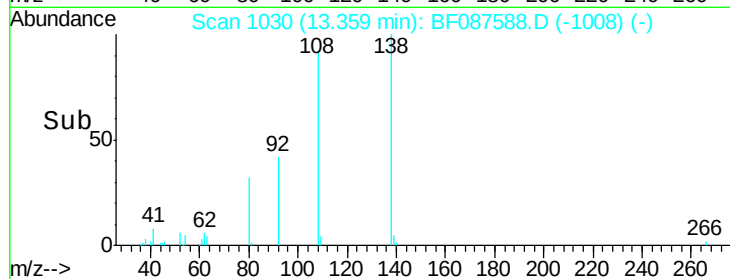
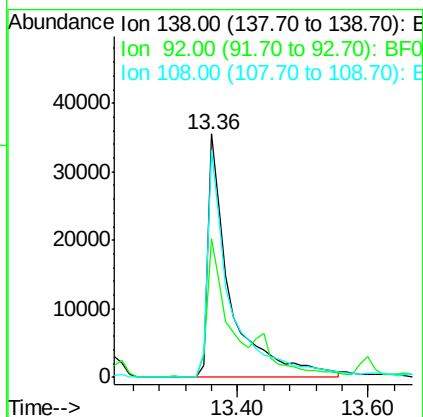
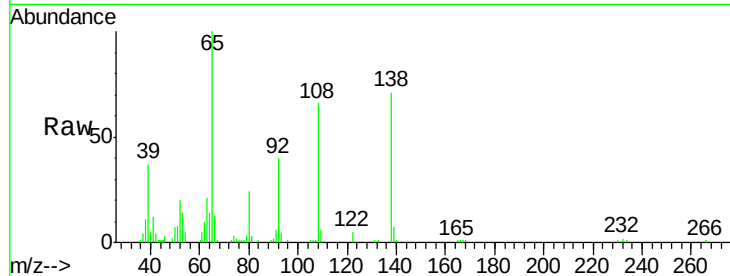




#61
4-Nitroaniline
Concen: 26.94 ng
RT: 13.36 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

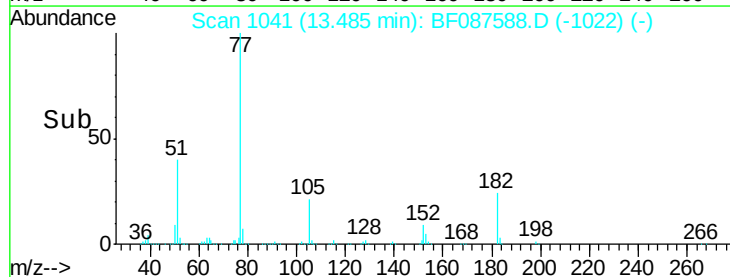
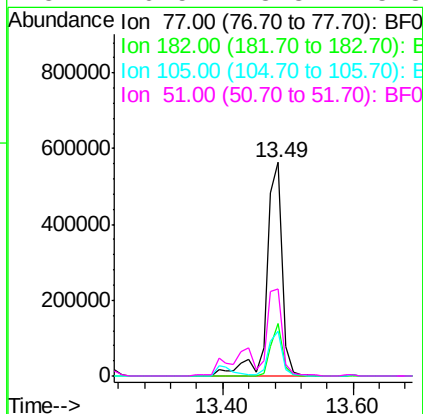
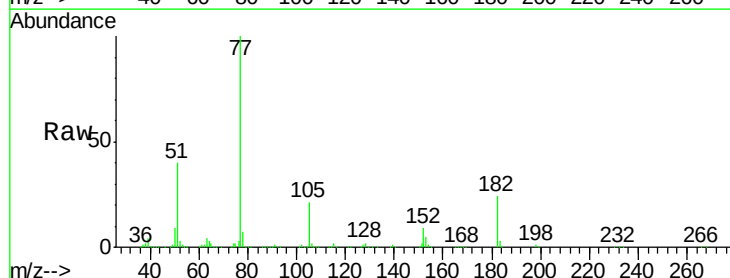
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

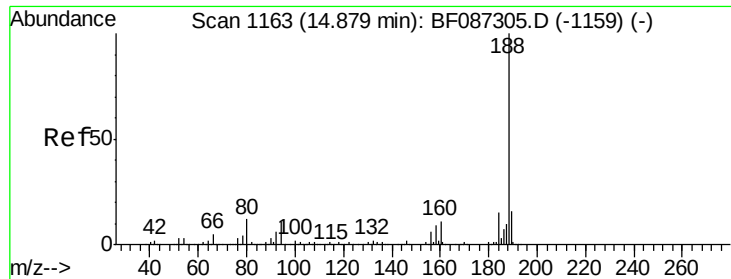
Tgt Ion: 138 Resp: 84569
Ion Ratio Lower Upper
138 100
92 56.8 24.7 64.7
108 93.2 37.4 77.4#



#62
Azobenzene
Concen: 56.24 ng
RT: 13.49 min Scan# 1041
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion: 77 Resp: 922564
Ion Ratio Lower Upper
77 100
182 24.4 0.0 38.8
105 21.1 3.2 43.2
51 40.5 8.8 48.8

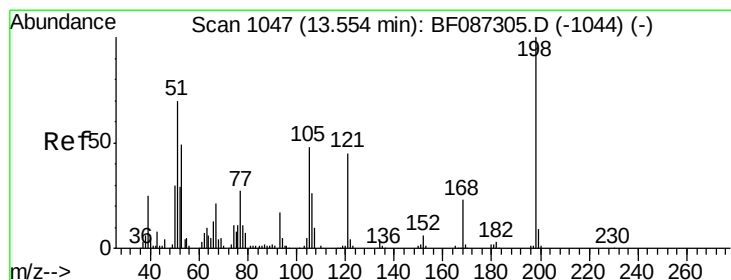
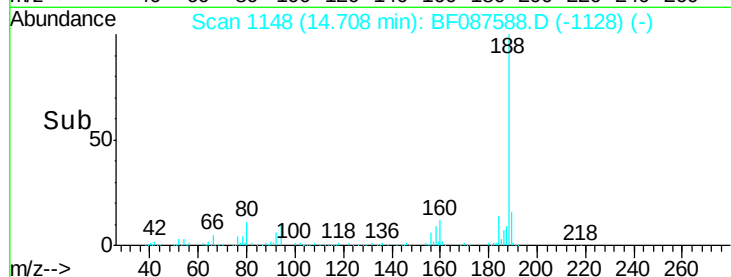
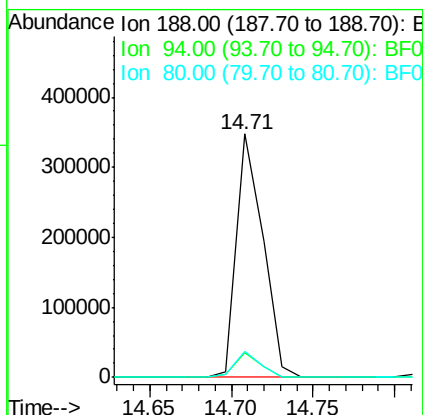
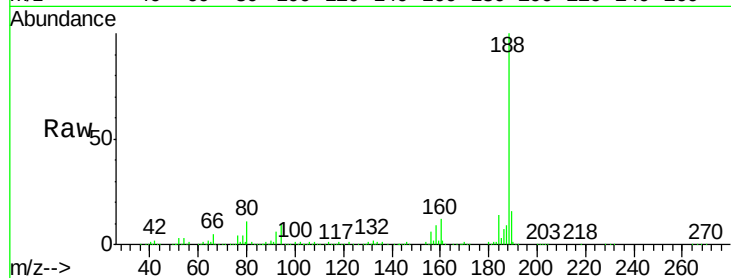




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

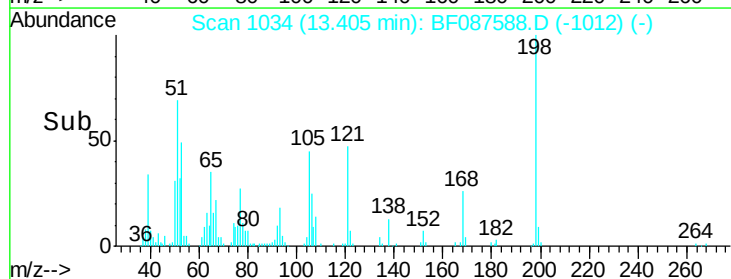
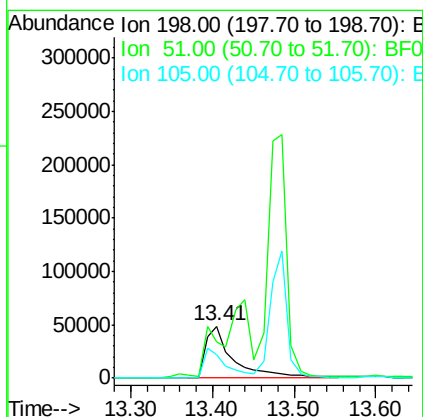
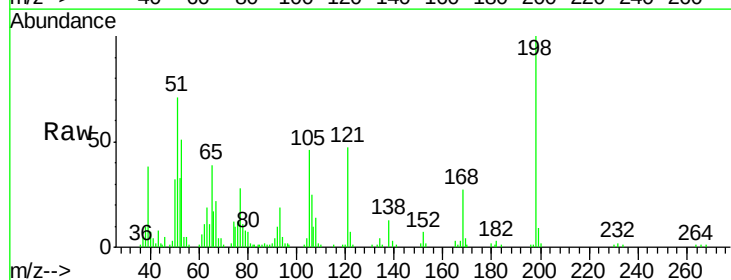
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

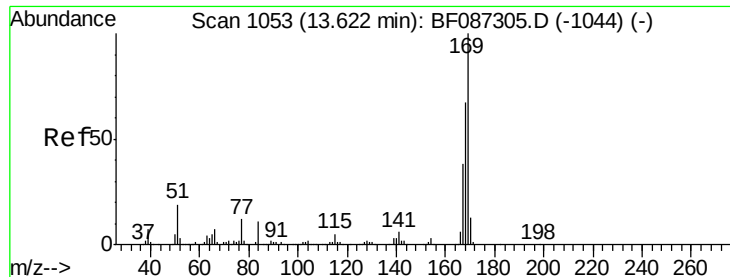
Tgt Ion:188 Resp: 390099
Ion Ratio Lower Upper
188 100
94 10.1 6.8 10.2
80 10.9 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 46.74 ng
RT: 13.41 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:198 Resp: 115944
Ion Ratio Lower Upper
198 100
51 70.9 20.5 60.5#
105 46.2 24.5 64.5

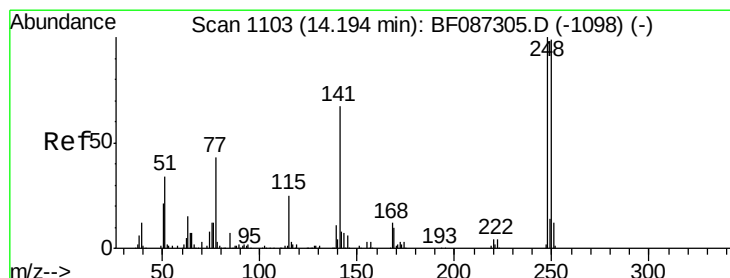
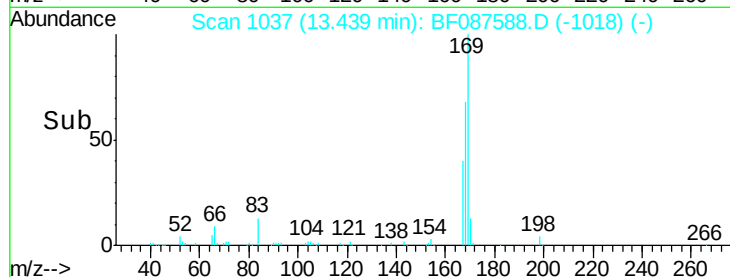
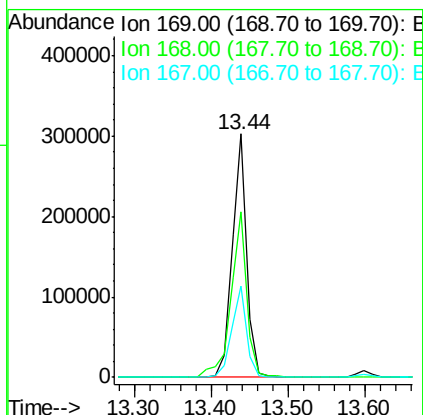
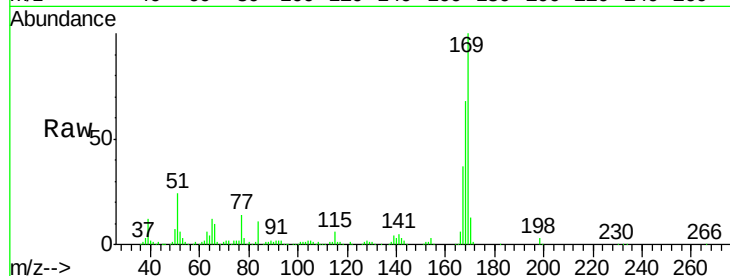




#65
n-Nitrosodiphenylamine
Concen: 32.28 ng
RT: 13.44 min Scan# 1037
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

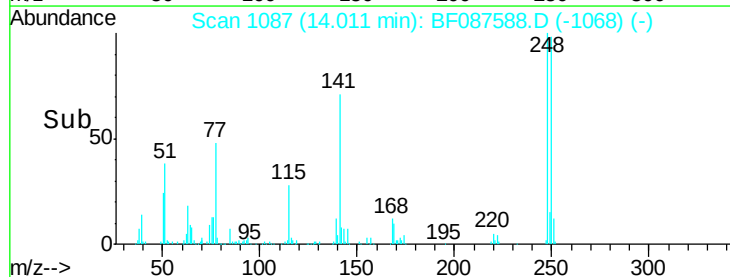
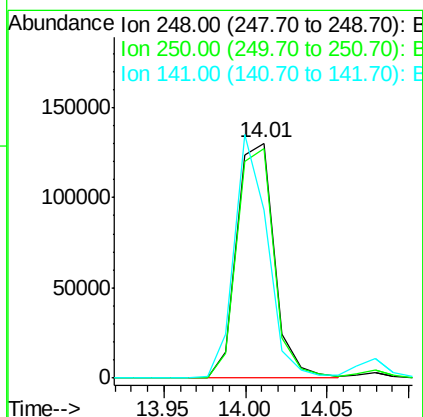
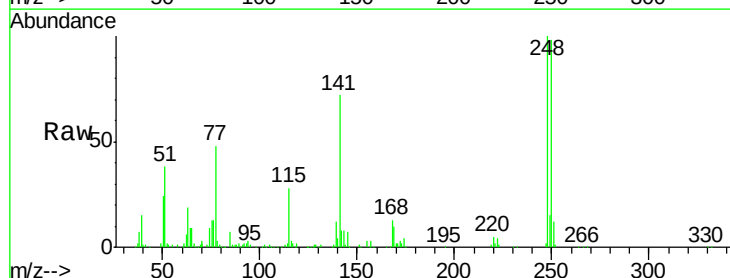
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

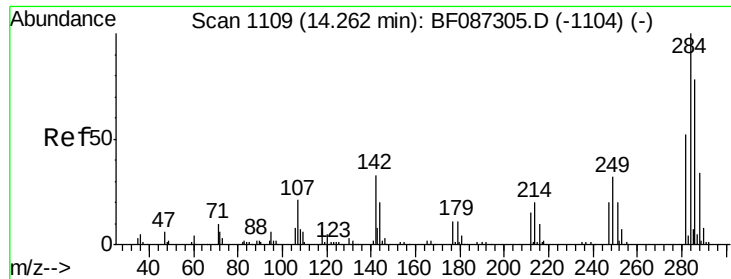
Tgt Ion:169 Resp: 407202
Ion Ratio Lower Upper
169 100
168 68.2 53.8 80.6
167 37.3 29.5 44.3



#66
4-Bromophenyl-phenylether
Concen: 48.39 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.08 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:248 Resp: 206490
Ion Ratio Lower Upper
248 100
250 97.6 78.6 117.8
141 71.8 76.0 114.0#





#67

Hexachlorobenzene

Concen: 48.61 ng

RT: 14.08 min Scan# 1093

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

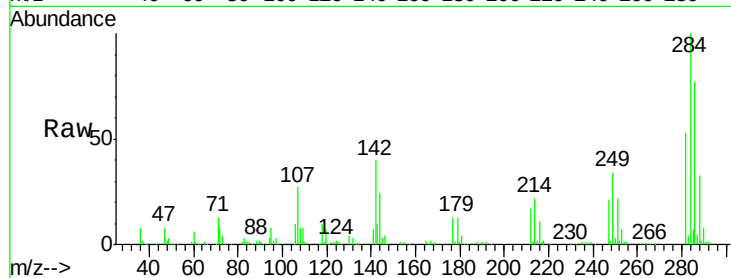
Tgt Ion: 284 Resp: 216981

Ion Ratio Lower Upper

284 100

142 40.1 16.7 25.1#

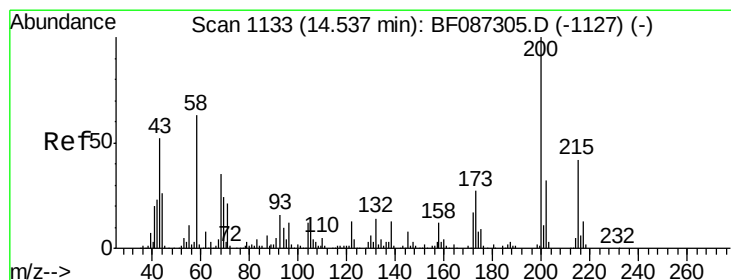
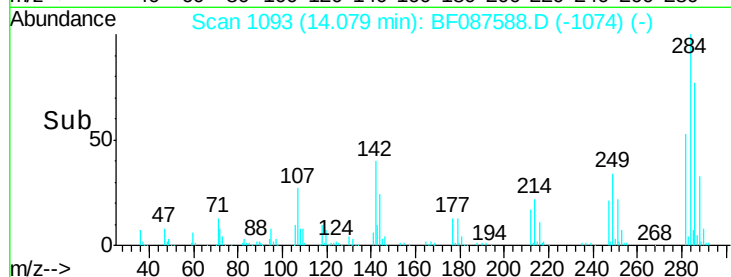
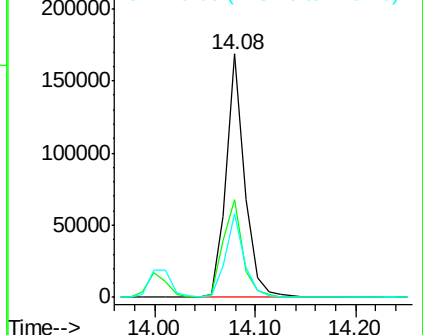
249 34.3 21.3 31.9#



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: 17.64 ng

RT: 14.35 min Scan# 1117

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

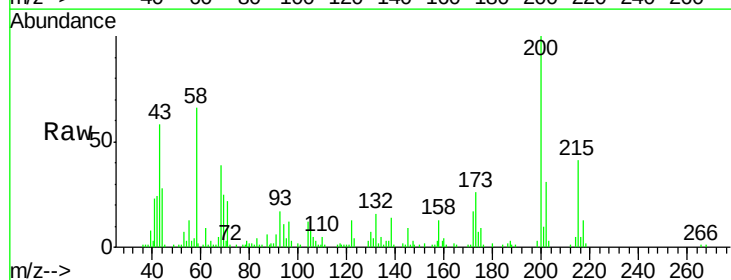
Tgt Ion: 200 Resp: 70950

Ion Ratio Lower Upper

200 100

173 26.2 8.5 48.5

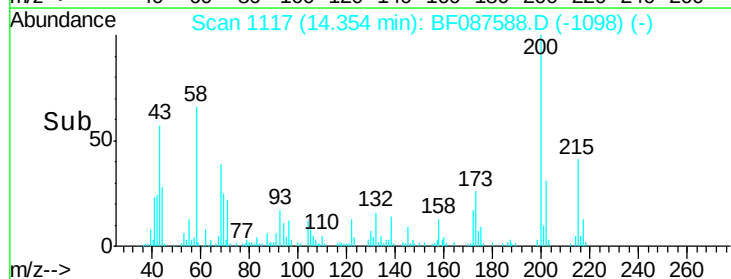
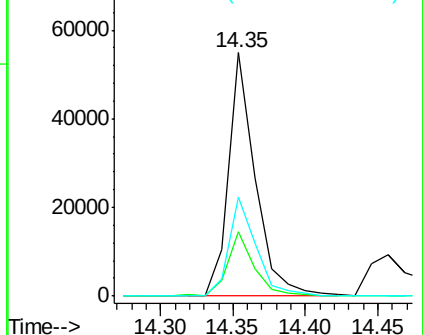
215 40.8 27.2 67.2

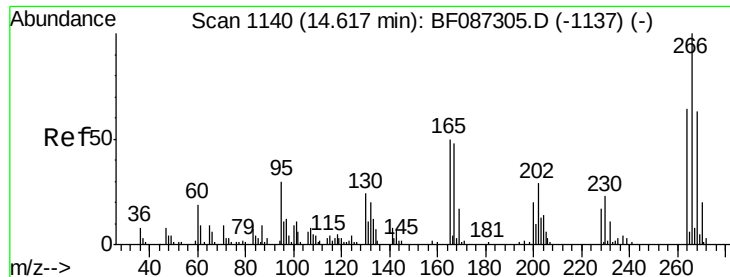


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

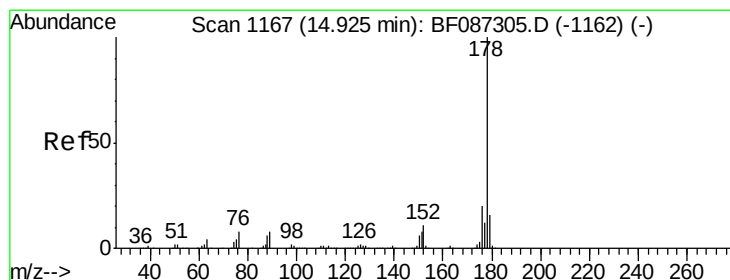
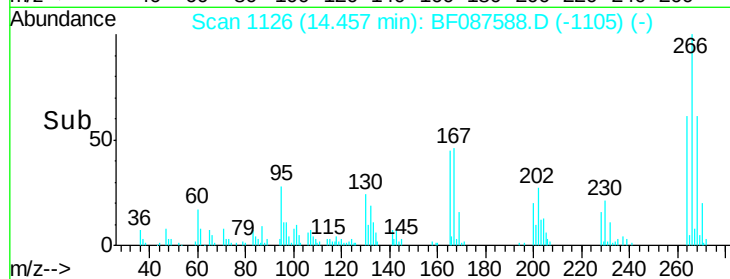
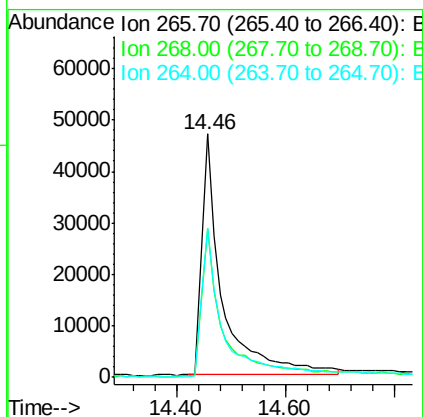
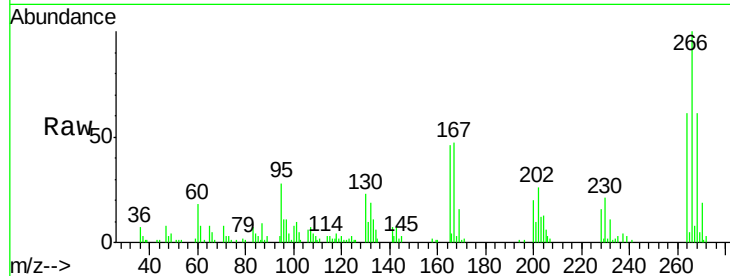




#69
 Pentachlorophenol
 Concen: 87.64 ng
 RT: 14.46 min Scan# 1126
 Delta R.T. -0.06 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

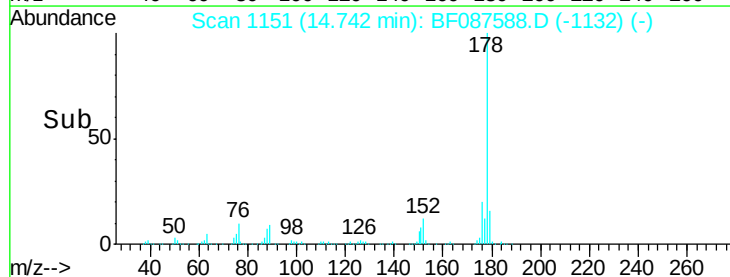
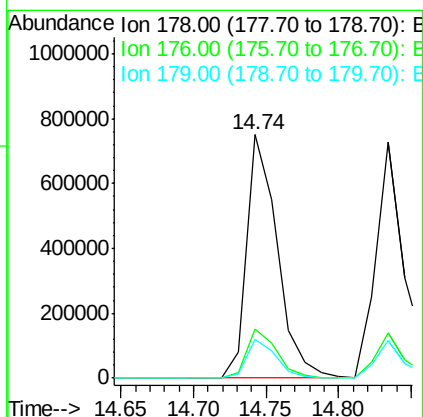
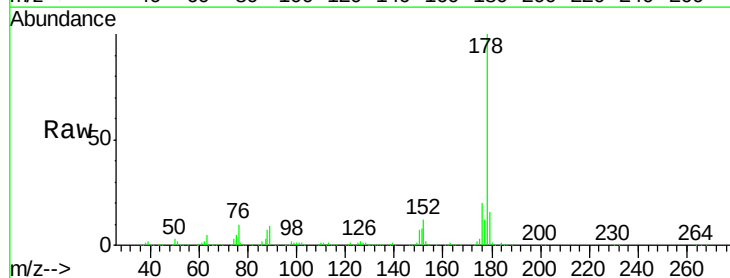
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

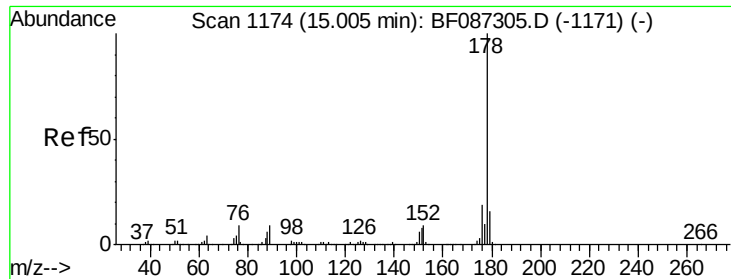
Tgt Ion:266 Resp: 122459
 Ion Ratio Lower Upper
 266 100
 268 61.0 51.5 77.3
 264 60.9 52.9 79.3



#70
 Phenanthrene
 Concen: 50.79 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.08 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion:178 Resp: 1097387
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.0 24.0
 179 15.8 12.6 18.8





#71

Anthracene

Concen: 51.50 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

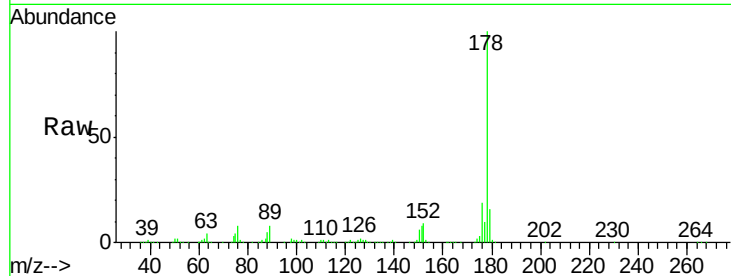
Tgt Ion:178 Resp: 1124290

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

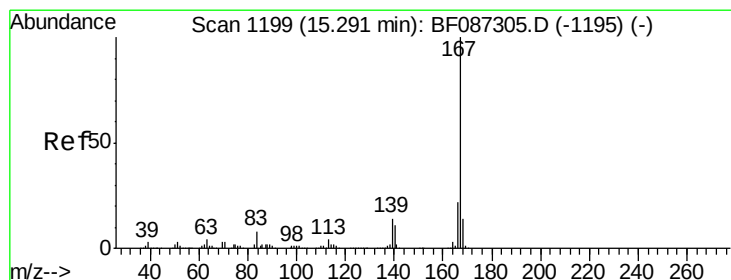
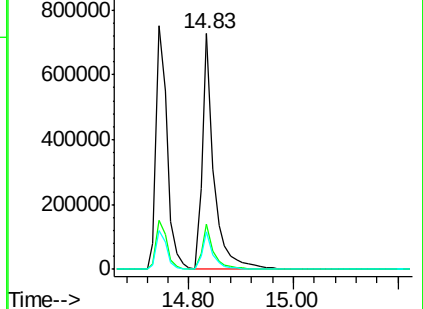
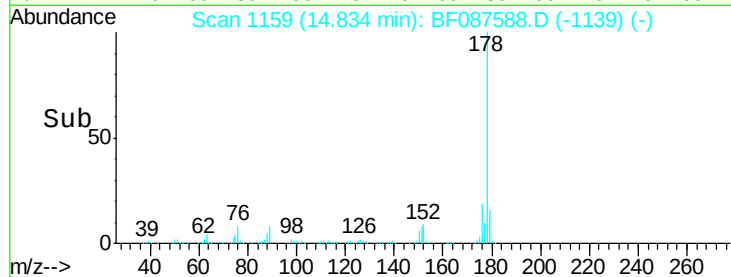
179 15.7 12.7 19.1



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: 29.05 ng

RT: 15.14 min Scan# 1186

Delta R.T. -0.05 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

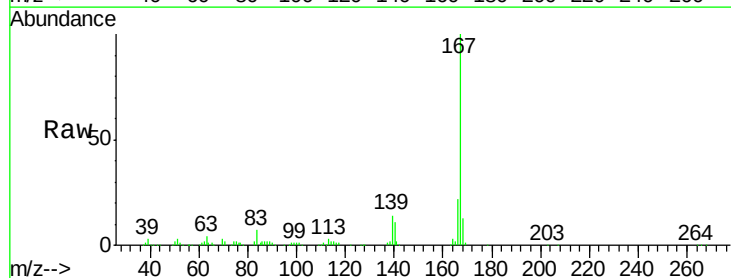
Tgt Ion:167 Resp: 540847

Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

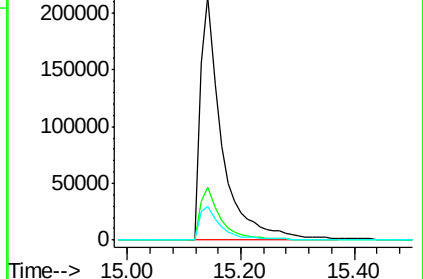
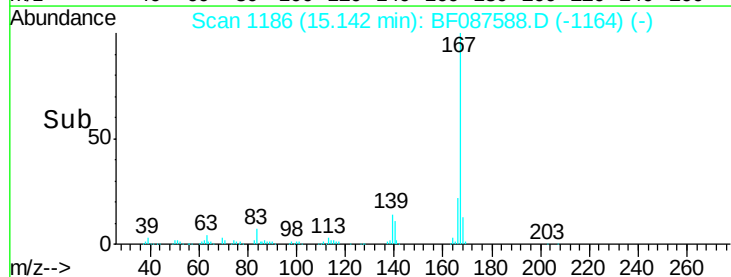
139 14.0 10.8 16.2

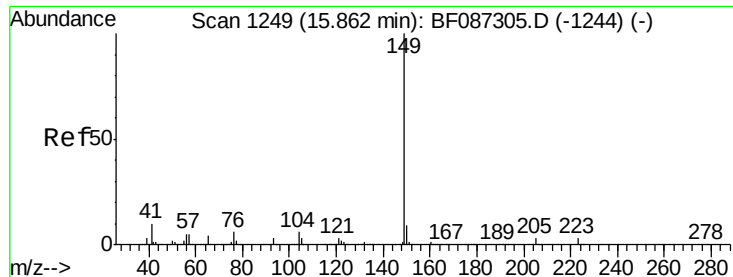


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 49.85 ng

RT: 15.69 min Scan# 1234

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

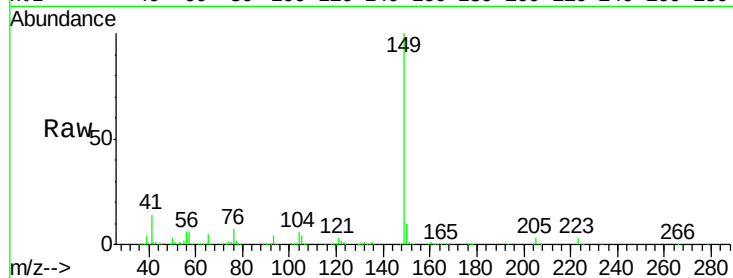
Tgt Ion:149 Resp: 1200182

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

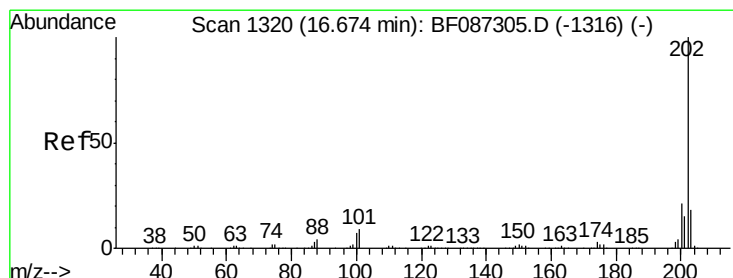
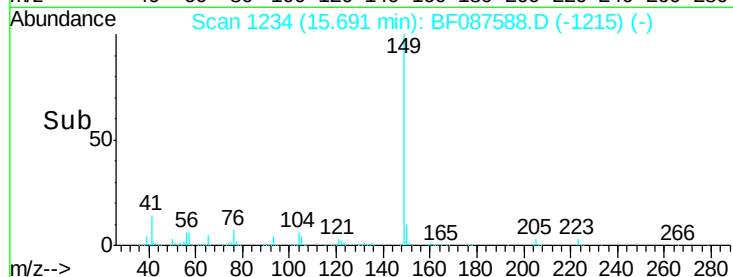
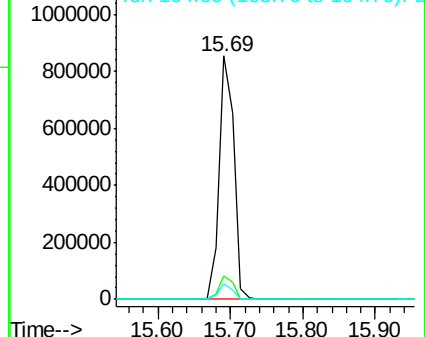
104 6.4 3.8 5.6#



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: 53.28 ng

RT: 16.51 min Scan# 1306

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

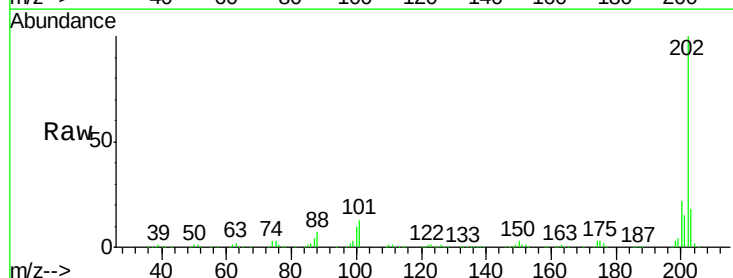
Tgt Ion:202 Resp: 1154433

Ion Ratio Lower Upper

202 100

101 12.9 0.0 35.4

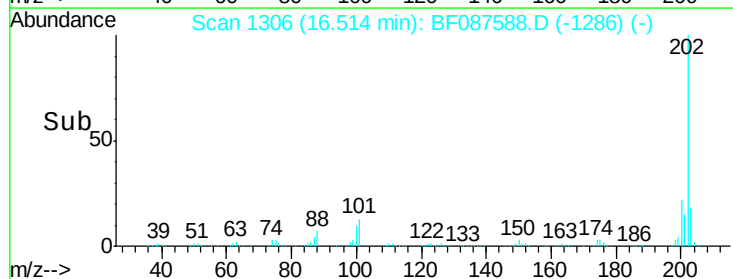
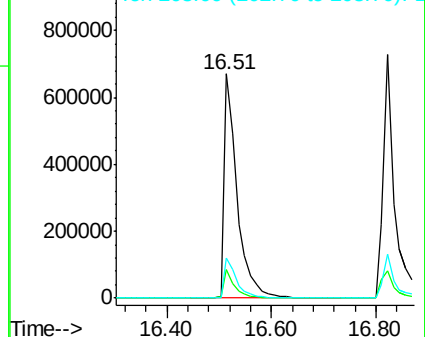
203 18.1 0.0 38.1

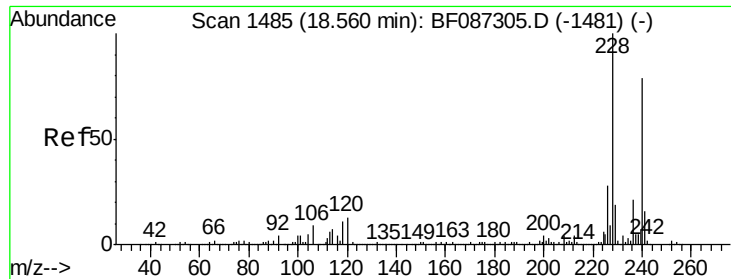


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.42 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

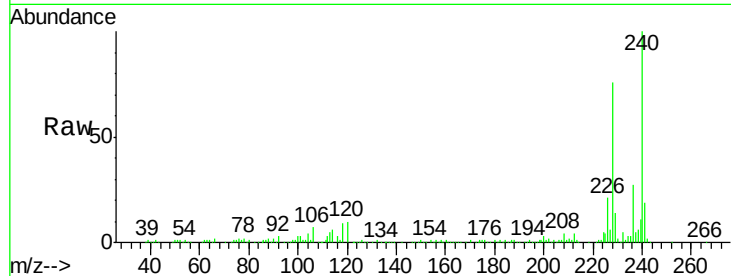
Tgt Ion:240 Resp: 328468

Ion Ratio Lower Upper

240 100

120 9.8 11.2 16.8#

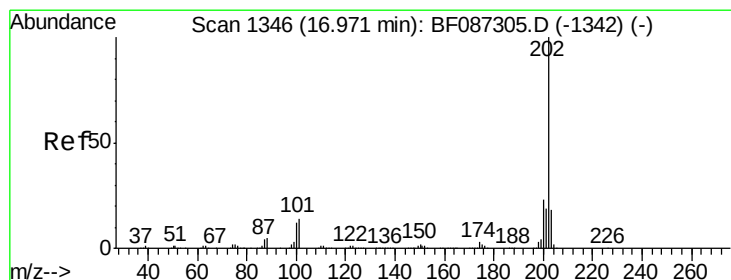
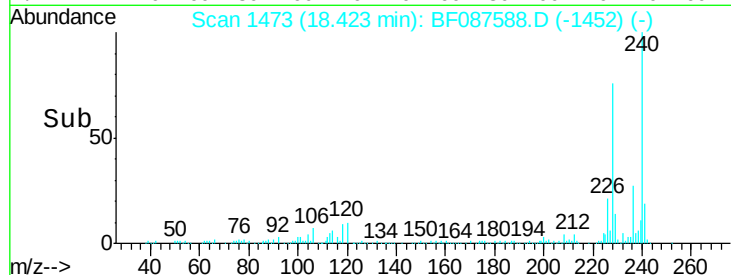
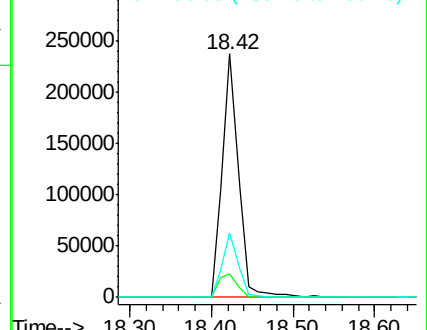
236 26.7 21.2 31.8



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: 47.45 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

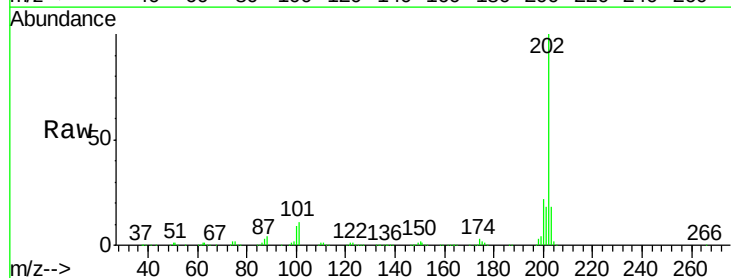
Tgt Ion:202 Resp: 1121966

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

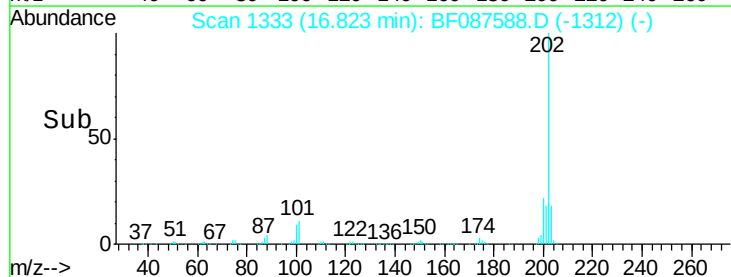
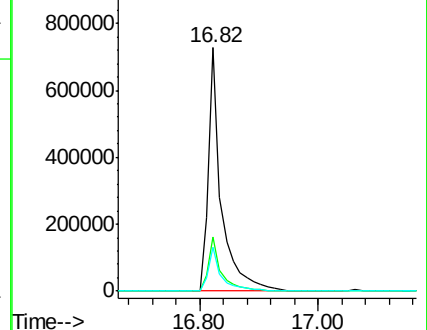
203 18.0 14.2 21.4

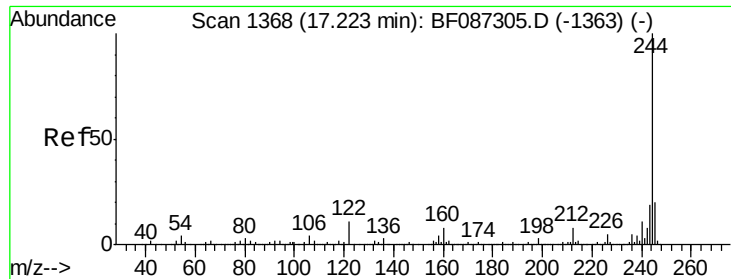


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.96 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

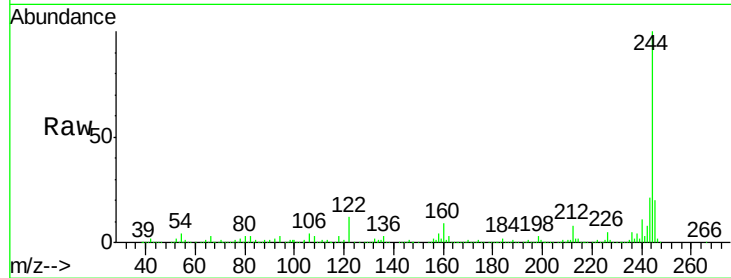
BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

Tgt Ion:244 Resp: 1343612

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.3	12.0	18.0

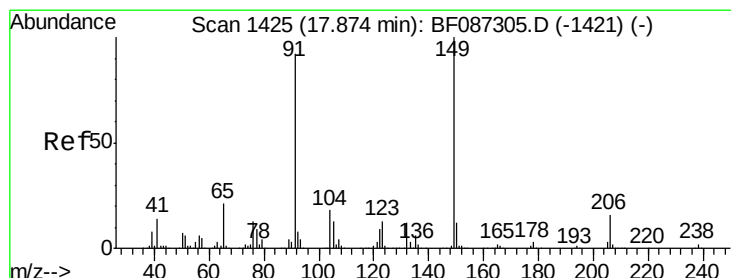
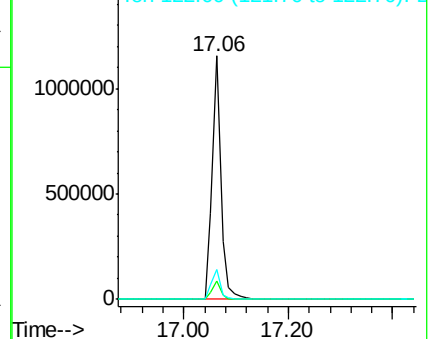
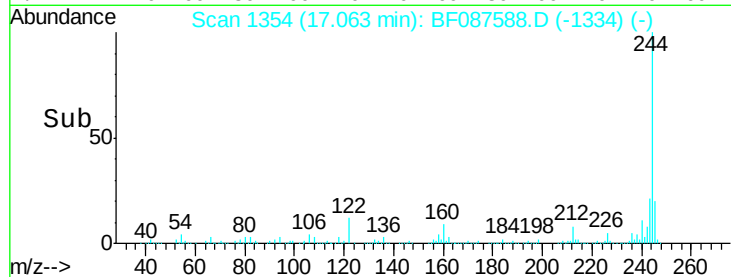


Abundance

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: 48.50 ng

RT: 17.73 min Scan# 1412

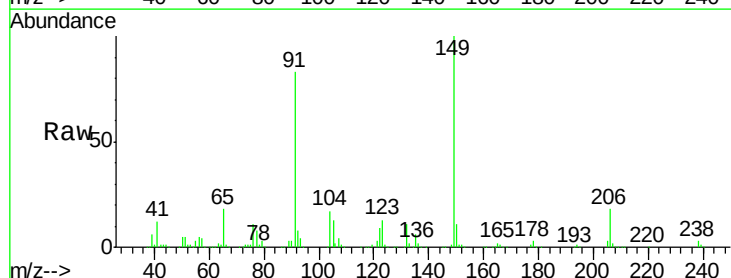
Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Tgt Ion:149 Resp: 508496

Ion	Ratio	Lower	Upper
149	100		
91	82.6	48.0	72.0#
206	17.9	15.8	23.6

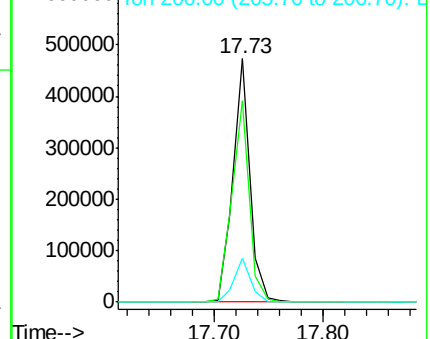
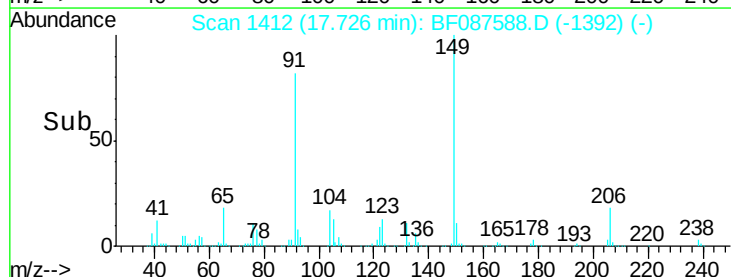


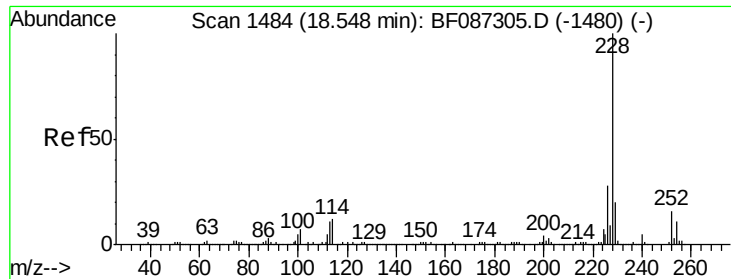
Abundance

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

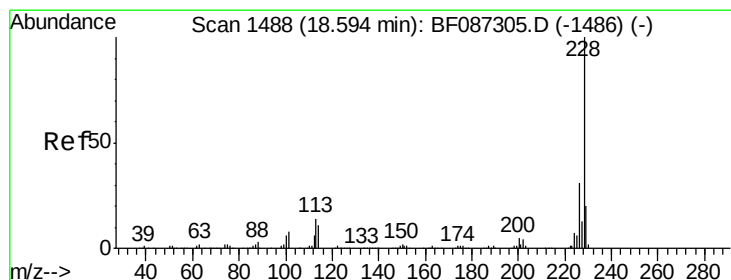
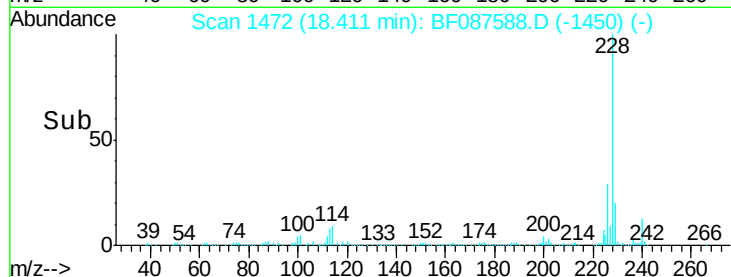
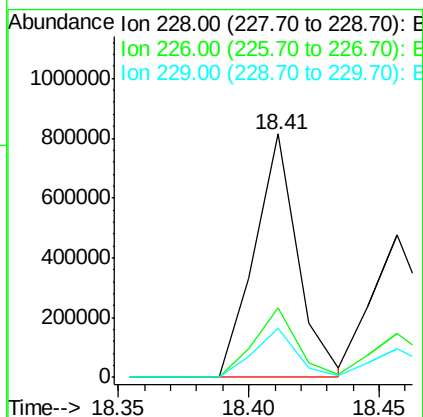
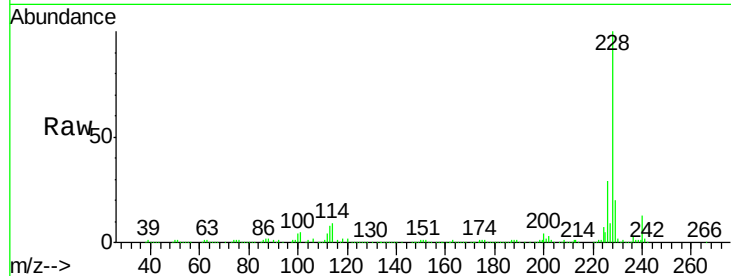




#80
Benzo(a)anthracene
Concen: 49.81 ng
RT: 18.41 min Scan# 1472
Delta R.T. -0.05 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

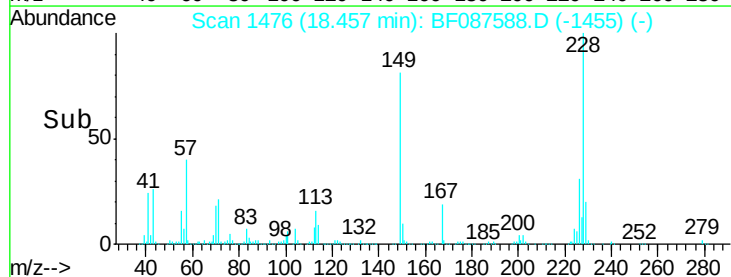
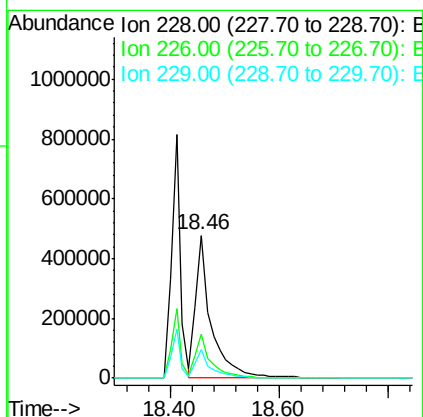
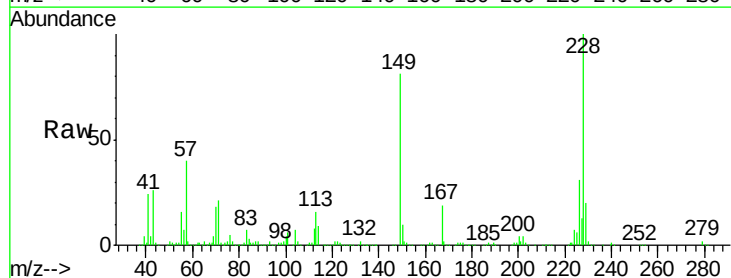
Instrument :
BNA_F
ClientSampleId :
HSR-WC-48-052616MSD

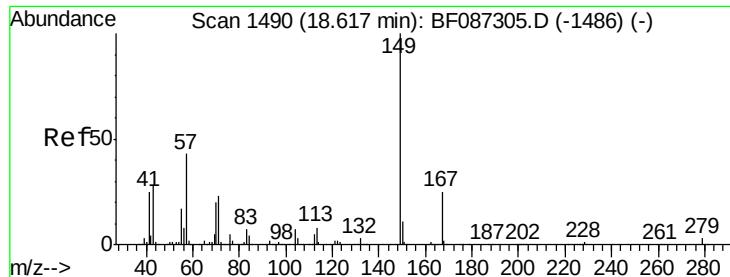
Tgt Ion:228 Resp: 930691
Ion Ratio Lower Upper
228 100
226 28.6 22.5 33.7
229 19.9 16.6 25.0



#82
Chrysene
Concen: 50.89 ng
RT: 18.46 min Scan# 1476
Delta R.T. -0.06 min
Lab File: BF087588.D
Acq: 31 May 2016 19:04

Tgt Ion:228 Resp: 943732
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 19.9 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.03 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

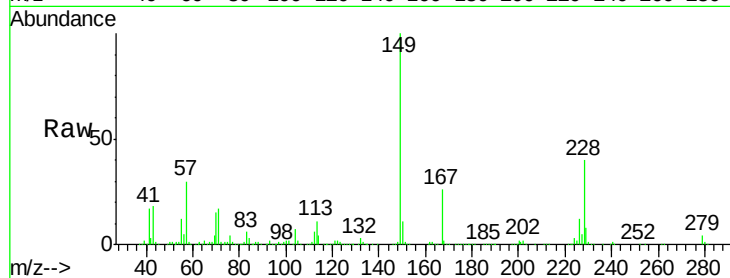
Tgt Ion:149 Resp: 688908

Ion Ratio Lower Upper

149 100

167 26.0 21.8 32.6

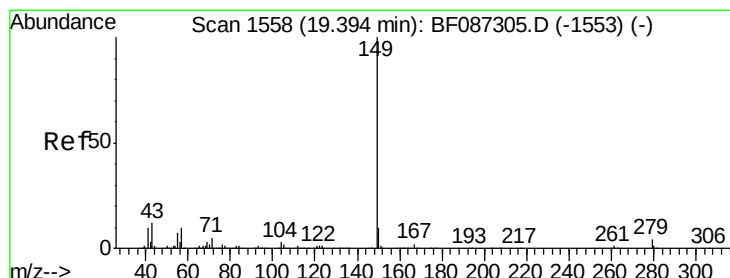
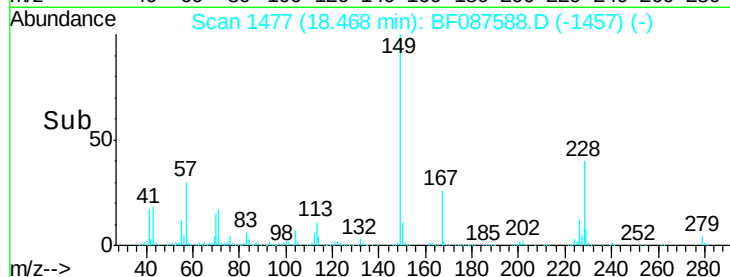
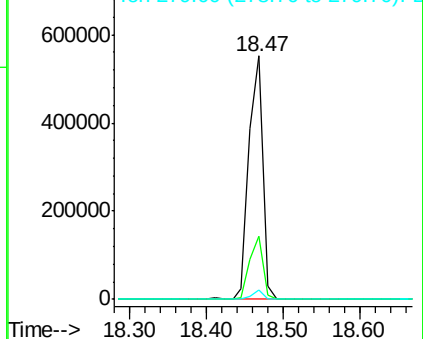
279 3.7 2.6 4.0



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: 50.28 ng

RT: 19.23 min Scan# 1544

Delta R.T. -0.08 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

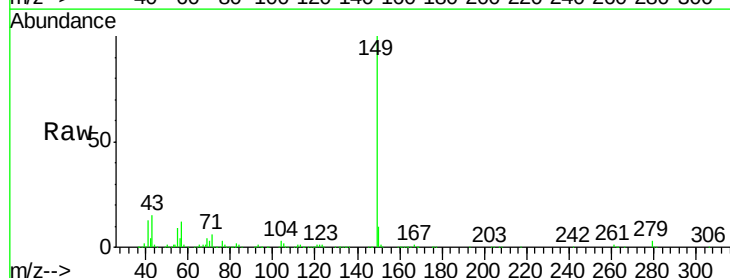
Tgt Ion:149 Resp: 1173164

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

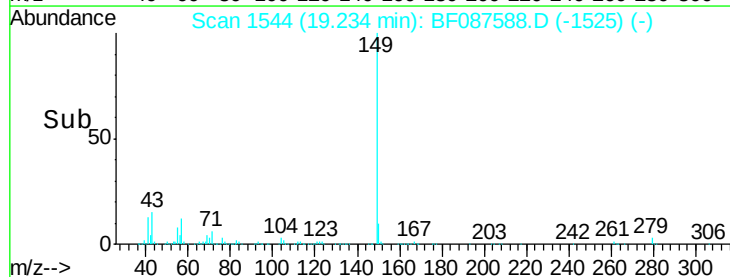
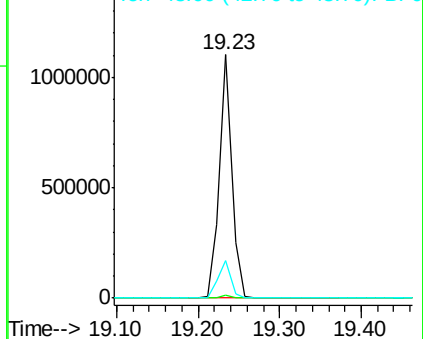
43 15.9 8.2 12.4#

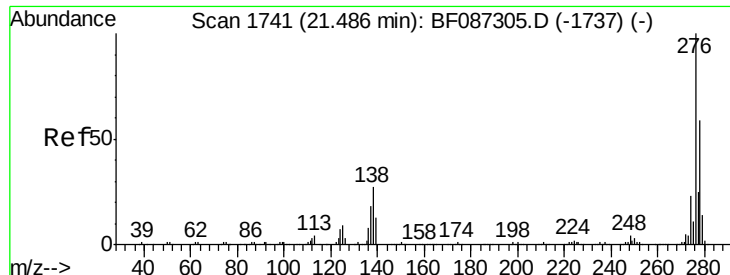


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

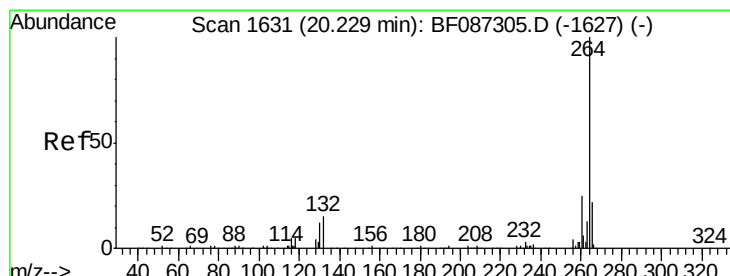
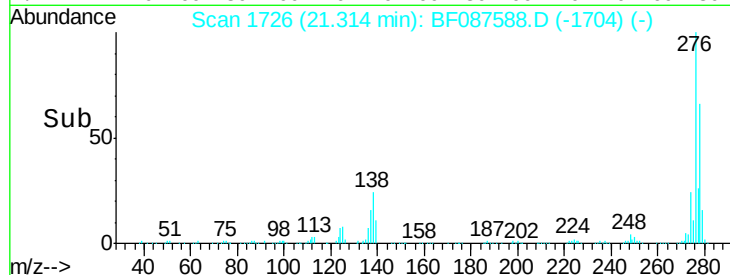
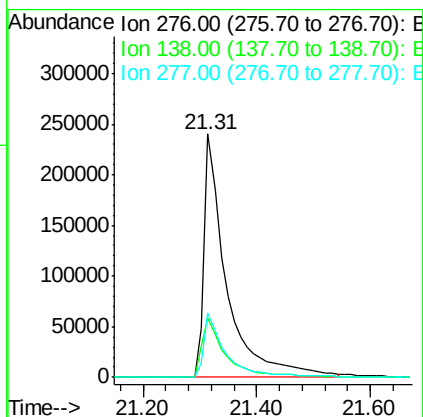
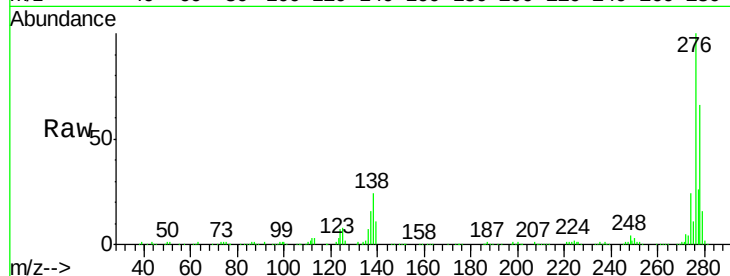




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.51 ng
 RT: 21.31 min Scan# 1726
 Delta R.T. -0.05 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

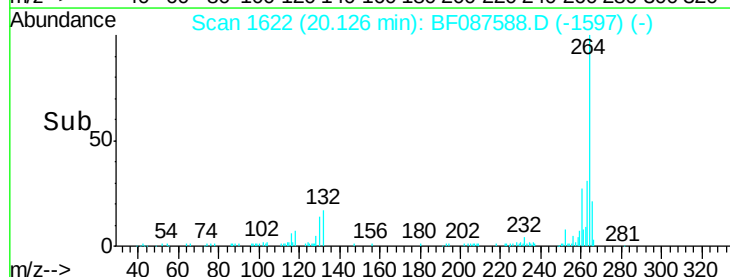
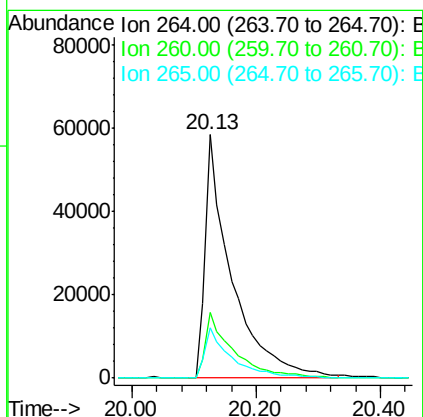
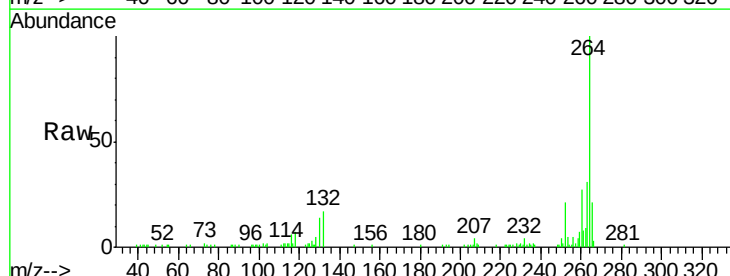
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-48-052616MSD

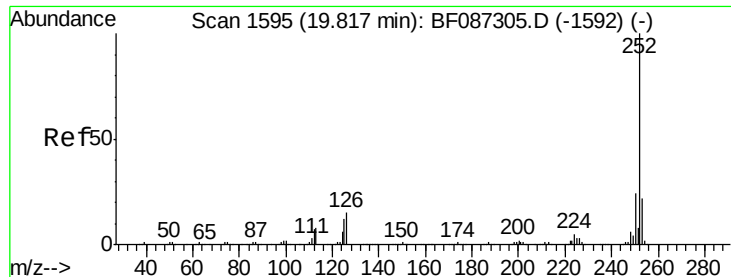
Tgt Ion: 276 Resp: 646714
 Ion Ratio Lower Upper
 276 100
 138 26.0 25.6 38.4
 277 25.7 20.5 30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.13 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF087588.D
 Acq: 31 May 2016 19:04

Tgt Ion: 264 Resp: 173290
 Ion Ratio Lower Upper
 264 100
 260 26.7 19.5 29.3
 265 20.9 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 150.47 ng

RT: 19.69 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

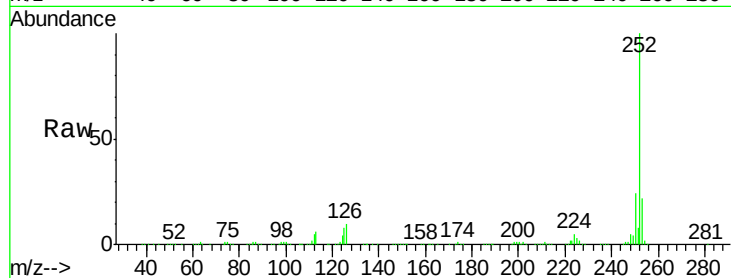
Tgt Ion:252 Resp: 1660920

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

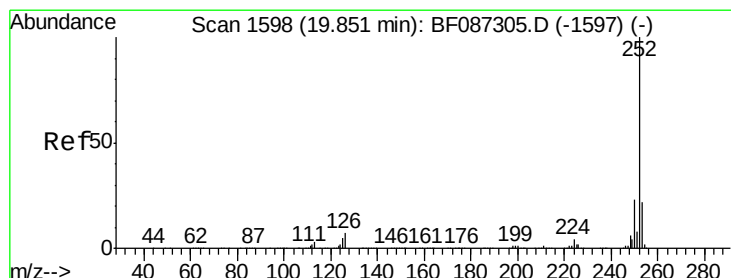
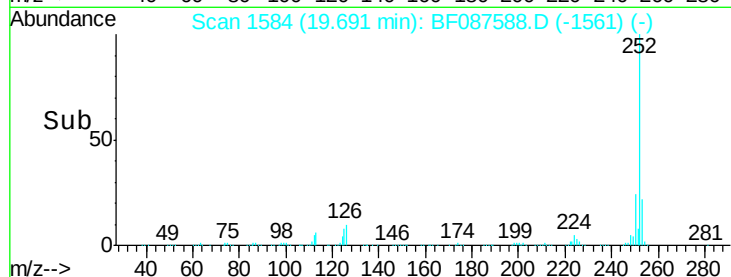
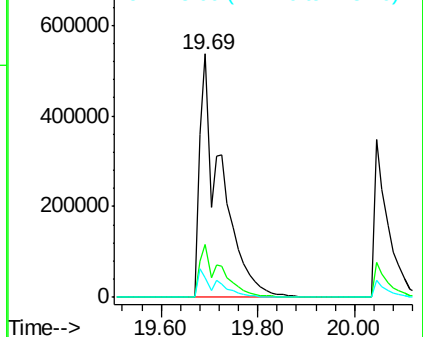
125 7.9 11.4 17.0#



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



#88

Benzo(k)fluoranthene

Concen: 174.92 ng

RT: 19.69 min Scan# 1584

Delta R.T. -0.07 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

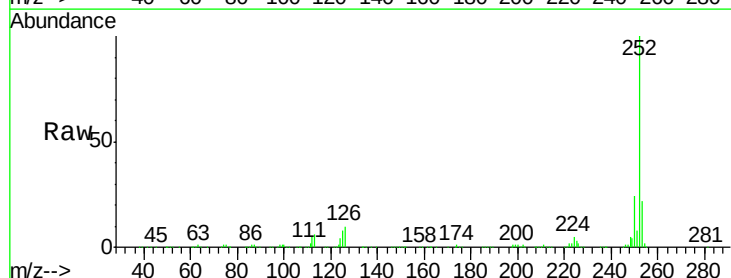
Tgt Ion:252 Resp: 1661901

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

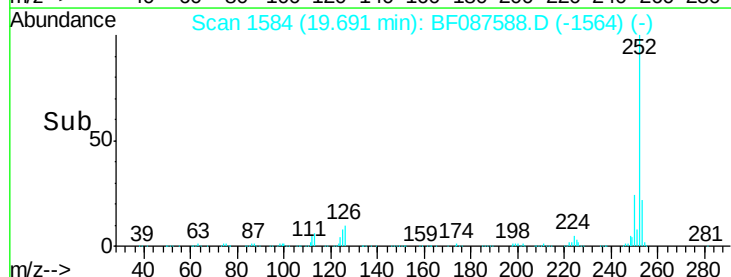
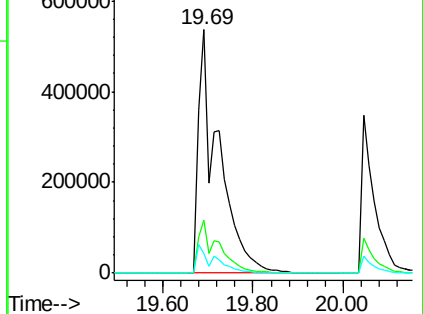
125 7.9 9.1 13.7#

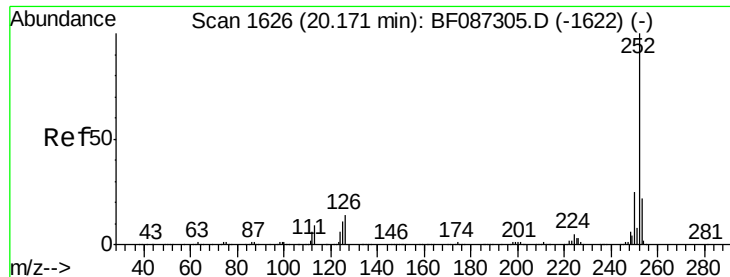


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 74.39 ng

RT: 20.05 min Scan# 1615

Delta R.T. -0.03 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD

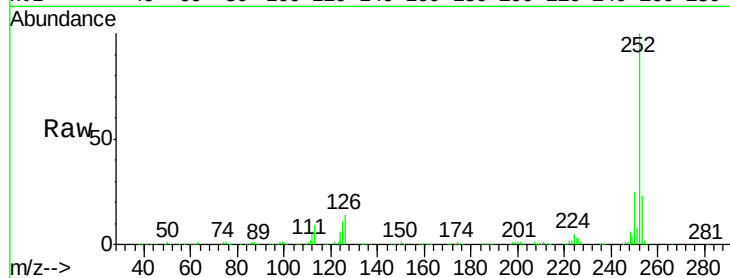
Tgt Ion:252 Resp: 710249

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

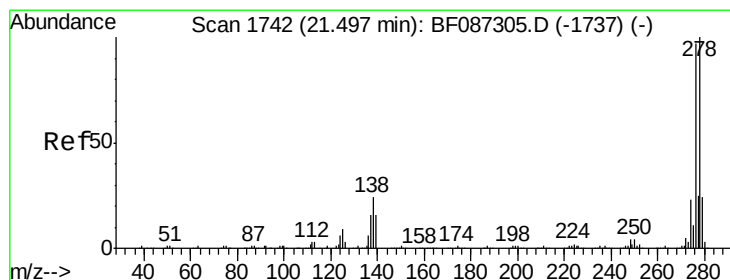
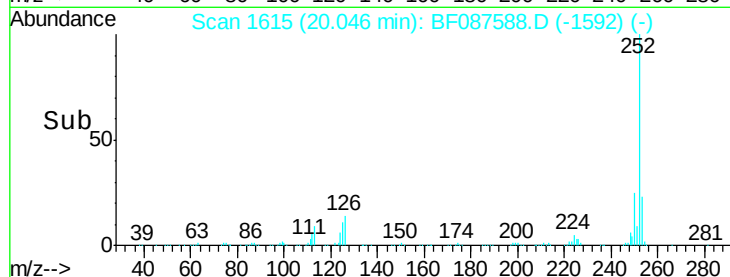
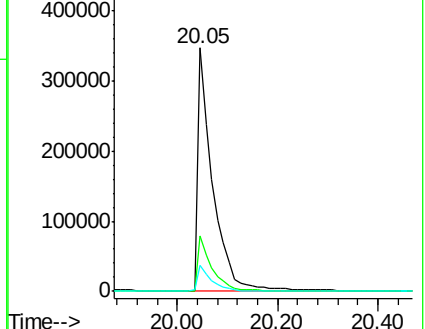
125 10.9 9.0 13.6



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: 73.60 ng

RT: 21.31 min Scan# 1726

Delta R.T. -0.05 min

Lab File: BF087588.D

Acq: 31 May 2016 19:04

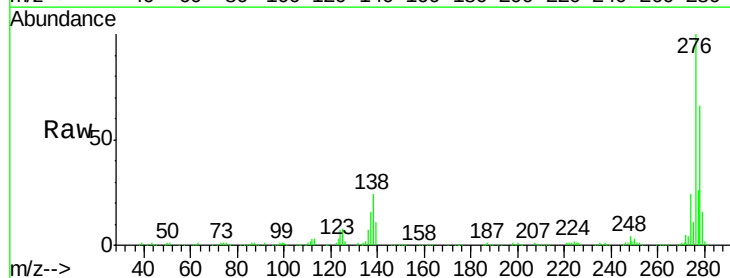
Tgt Ion:278 Resp: 599298

Ion Ratio Lower Upper

278 100

139 16.1 16.6 24.8#

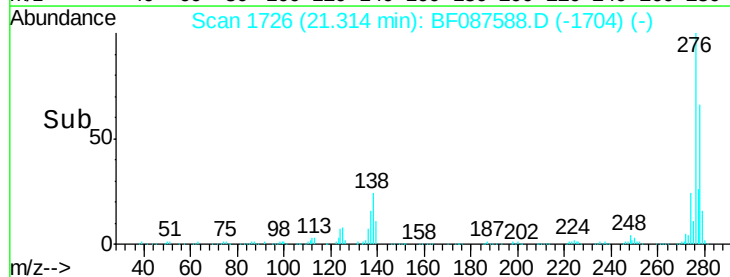
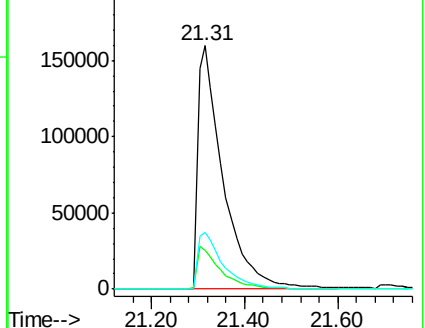
279 23.4 19.6 29.4

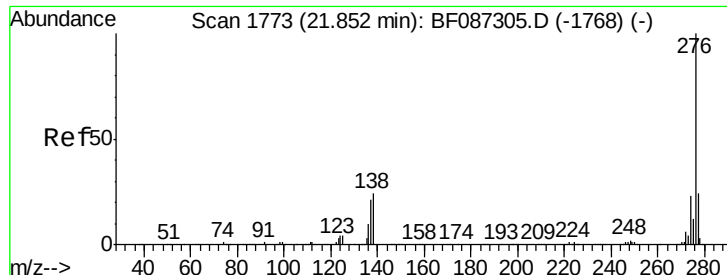


Abundance Ion 278.00 (277.70 to 278.70): E

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: 58.12 ng

RT: 21.70 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF087588.D

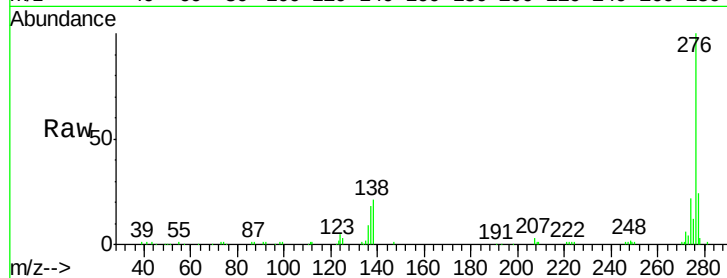
Acq: 31 May 2016 19:04

Instrument :

BNA_F

ClientSampleId :

HSR-WC-48-052616MSD



Tgt Ion:	276	Resp:	466922
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.6	29.4
138	21.5	23.6	35.4

