

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

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Manual Integrations

sohil
 7/1/2016 6:59:34 PM

Quant Time: Jul 01 11:50:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.44	88	155136	38.19	ng	# 30
3) Pyridine	3.15	79	363579	30.84	ng	94
4) n-Nitrosodimethylamine	3.10	42	217408	48.28	ng	90
6) Aniline	6.54	93	180858m	11.72	ng	
8) 2-Chlorophenol	6.60	128	390496	44.34	ng	88
9) Benzaldehyde	6.36	77	17933	2.50	ng	# 72
10) Phenol	6.48	94	592710	49.05	ng	98
11) bis(2-Chloroethyl)ether	6.56	93	635282	70.50	ng	91
12) 1,3-Dichlorobenzene	6.76	146	419743	43.32	ng	98
13) 1,4-Dichlorobenzene	6.84	146	456556	47.47	ng	100
14) 1,2-Dichlorobenzene	6.99	146	359596m	39.94	ng	
15) Benzyl Alcohol	6.97	79	404610	51.93	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.11	45	504274	38.64	ng	89
17) 2-Methylphenol	7.08	107	350753	48.82	ng	96
18) Hexachloroethane	7.34	117	204844	55.06	ng	# 82
19) n-Nitroso-di-n-propylamine	7.24	70	328434	46.18	ng	94
20) 3+4-Methylphenols	7.23	107	416036	48.25	ng	# 75
22) Acetophenone	7.24	105	578718	52.50	ng	# 91
24) Nitrobenzene	7.40	77	458259	52.45	ng	# 78
25) Isophorone	7.66	82	913431	56.90	ng	# 96
26) 2-Nitrophenol	7.72	139	186933	52.17	ng	# 90
27) 2,4-Dimethylphenol	7.77	122	371818	49.82	ng	89
28) bis(2-Chloroethoxy)methane	7.86	93	485812	46.50	ng	# 96
29) 2,4-Dichlorophenol	7.96	162	306018	50.74	ng	95
30) 1,2,4-Trichlorobenzene	8.06	180	337116	50.93	ng	98
31) Naphthalene	8.14	128	1203178	53.74	ng	99
32) Benzoic acid	7.88	122	143385	26.46	ng	# 52
33) 4-Chloroaniline	8.19	127	163267	16.39	ng	# 92
34) Hexachlorobutadiene	8.25	225	166784	47.06	ng	98
35) Caprolactam	8.55	113	158245	77.25	ng	# 68
36) 4-Chloro-3-methylphenol	8.66	107	333312	46.73	ng	89
37) 2-Methylnaphthalene	8.82	142	605904	42.03	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	269124	44.98	ng	# 1
40) Hexachlorocyclopentadiene	8.98	237	157264	53.55	ng	100

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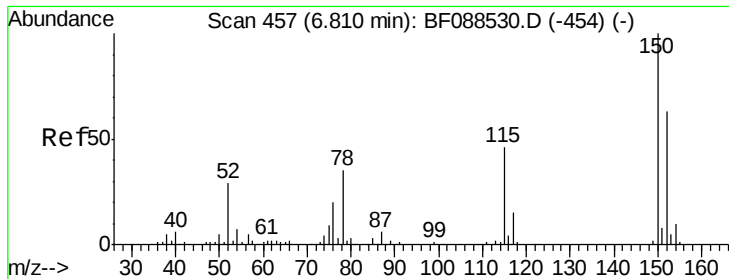
Manual Integrations

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 7/1/2016 6:59:34 PM

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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.10	196	187969	47.65	nq	97
43) 2,4,5-Trichlorophenol	9.15	196	173961	51.26	nq #	87
45) 1,1'-Biphenyl	9.29	154	739089	49.62	nq	98
46) 2-Chloronaphthalene	9.31	162	570763	48.81	nq	98
47) 2-Nitroaniline	9.40	65	239017	57.60	nq	96
48) Acenaphthylene	9.72	152	803600	43.19	nq	98
49) Dimethylphthalate	9.59	163	808158	63.06	nq	99
50) 2,6-Dinitrotoluene	9.64	165	146148	51.46	nq #	36
51) Acenaphthene	9.90	154	514280	45.09	nq	98
52) 3-Nitroaniline	9.80	138	113648	31.48	nq #	80
53) 2,4-Dinitrophenol	9.91	184	21399	17.06	nq #	1
54) Dibenzofuran	10.07	168	741176	49.65	nq #	86
55) 4-Nitrophenol	9.98	139	270506	98.59	nq	94
56) 2,4-Dinitrotoluene	10.04	165	186868	50.32	nq #	46
57) Fluorene	10.41	166	619798	53.88	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.18	232	131770	50.18	nq #	42
59) Diethylphthalate	10.28	149	676595	52.61	nq	98
60) 4-Chlorophenyl-phenylether	10.40	204	237289	44.39	nq #	88
61) 4-Nitroaniline	10.42	138	149395	43.00	nq	86
62) Azobenzene	10.56	77	735106	50.11	nq	96
64) 4,6-Dinitro-2-methylphenol	10.44	198	26692	16.61	nq #	47
65) n-Nitrosodiphenylamine	10.51	169	556177	54.71	nq	99
66) 4-Bromophenyl-phenylether	10.89	248	160621	53.06	nq #	91
67) Hexachlorobenzene	10.96	284	162569	48.52	nq #	77
68) Atrazine	11.05	200	162360	51.26	nq	92
69) Pentachlorophenol	11.14	266	173925	87.71	nq	97
70) Phenanthrene	11.36	178	749967	45.68	nq	100
71) Anthracene	11.42	178	803465	49.21	nq	100
72) Carbazole	11.56	167	651955	42.43	nq	99
73) Di-n-butylphthalate	11.91	149	835009	46.72	nq	99
74) Fluoranthene	12.57	202	704405	42.32	nq	94
77) Pyrene	12.78	202	629879	44.60	nq	99
79) Butylbenzylphthalate	13.41	149	296659	47.09	nq #	80
80) Benzo(a)anthracene	13.98	228	486249	45.34	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	82888	20.56	nq #	92
82) Chrysene	14.01	228	492006	46.37	nq	98
83) Bis(2-ethylhexyl)phthalate	13.98	149	343405	47.75	nq #	96
84) Di-n-octyl phthalate	14.59	149	511533	41.87	nq #	100
85) Indeno(1,2,3-cd)pyrene	16.80	276	455746	55.82	nq #	100
87) Benzo(b)fluoranthene	15.01	252	442311m	45.44	nq	
88) Benzo(k)fluoranthene	15.04	252	429070m	50.63	nq	
89) Benzo(a)pyrene	15.36	252	394408	47.85	nq #	89
90) Dibenzo(a,h)anthracene	16.81	278	379290	55.11	nq #	94
91) Benzo(g,h,i)perylene	17.21	276	385714	54.16	nq	99

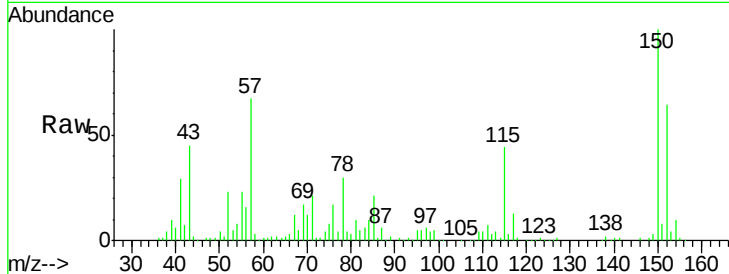
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

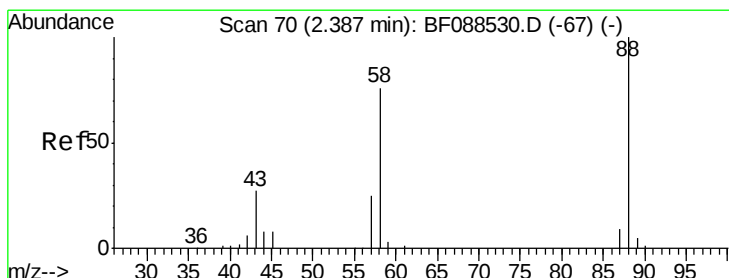
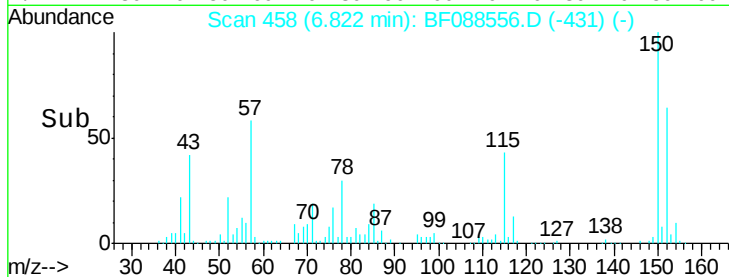
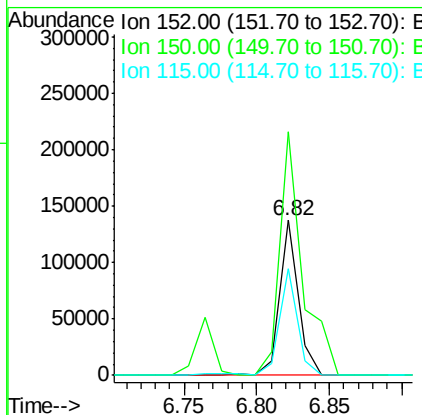
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD



Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.8	185.6
115	68.5	39.6	59.4

Manual Integrations

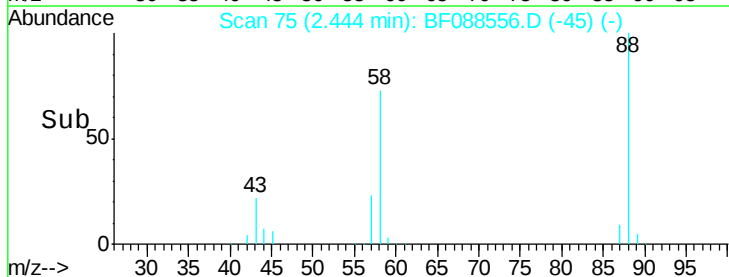
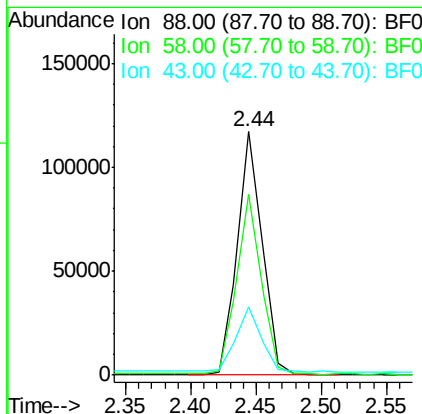
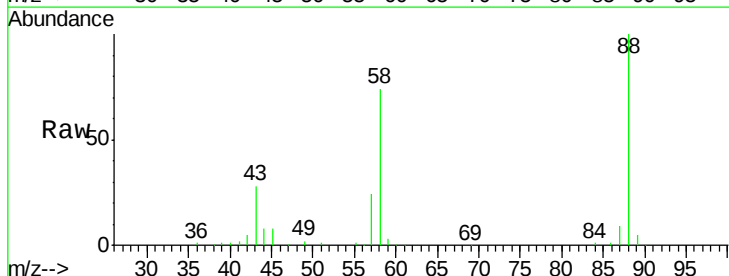
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#2

1,4-Dioxane
Concen: 38.19 ng
RT: 2.44 min Scan# 75
Delta R.T. 0.05 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.0	0.0	0.0
43	27.3	3.4	5.2





#3

Pvridine

Concen: 30.84 ng

RT: 3.15 min Scan# 137

Delta R.T. 0.07 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

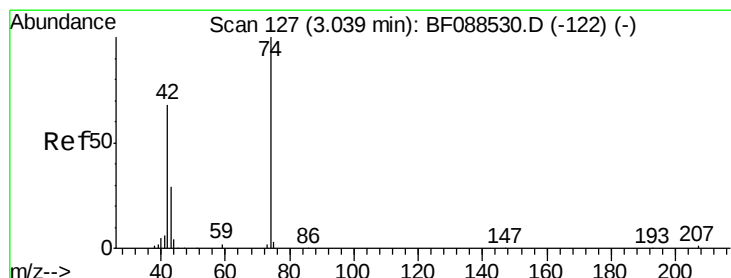
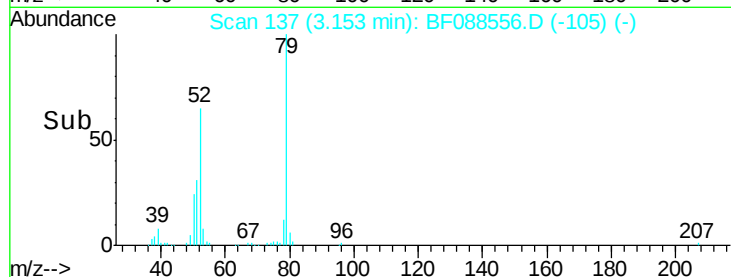
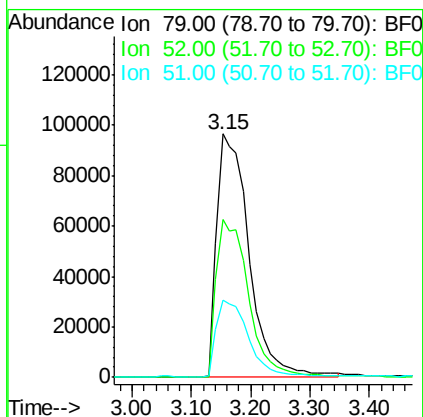
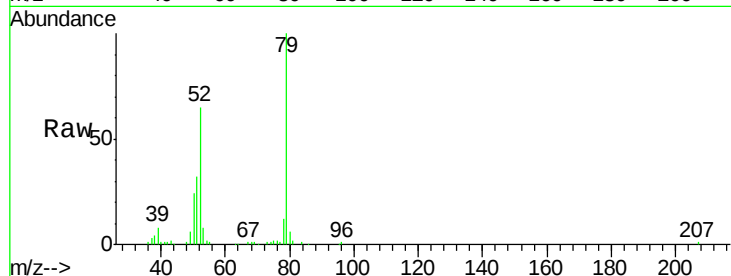
B1409-TP03E-1224MSD

Tot Ion:	79	Resp:	363579
Ion	Ratio	Lower	Upper
79	100		
52	64.9	56.3	84.5
51	31.9	27.4	41.2

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 48.28 ng

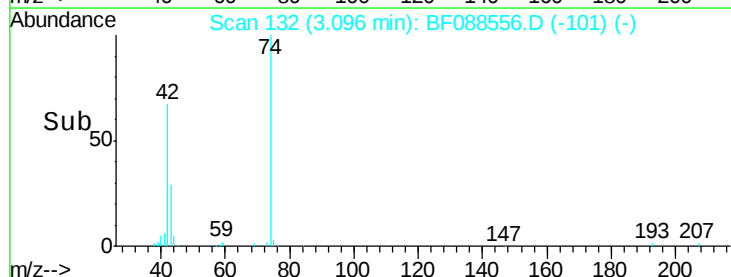
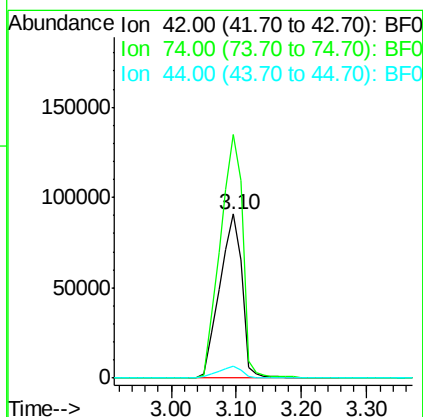
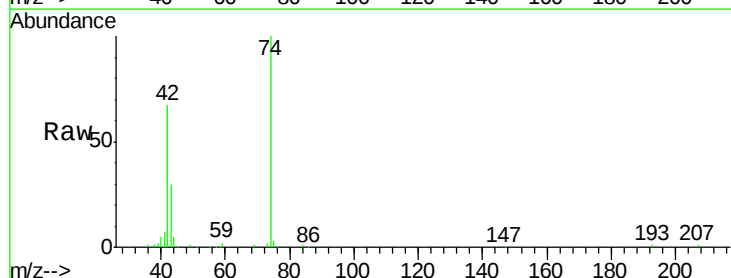
RT: 3.10 min Scan# 132

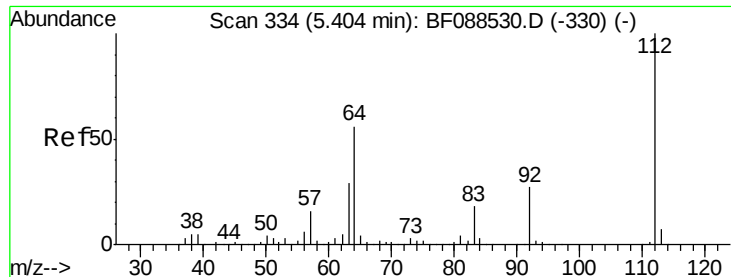
Delta R.T. 0.06 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	42	Resp:	217408
Ion	Ratio	Lower	Upper
42	100		
74	148.7	108.6	163.0
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 126.32 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion: 112 Resp: 1035024

Ion Ratio Lower Upper

112 100

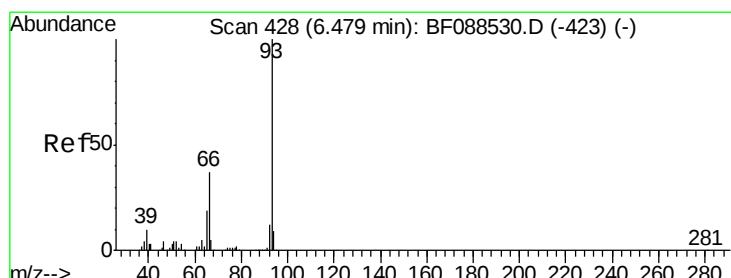
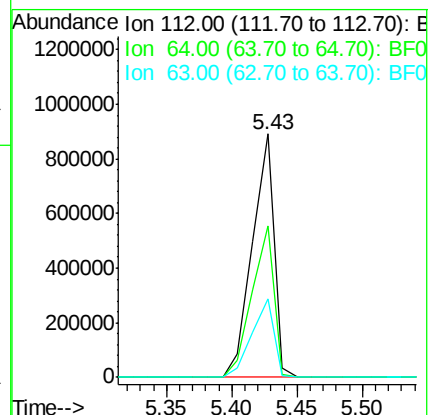
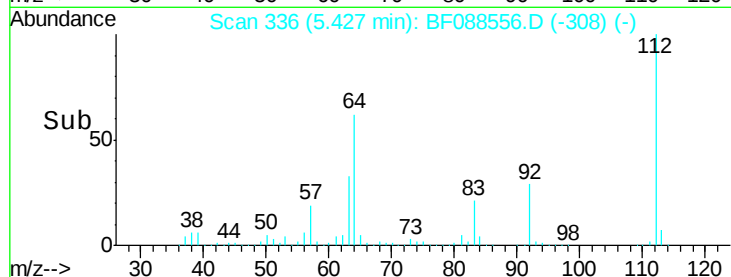
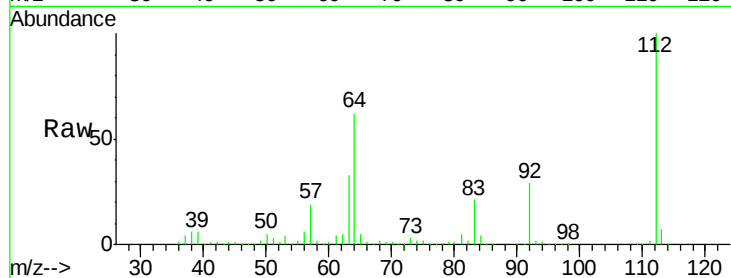
64 62.0 42.2 63.2

63 32.5 21.8 32.8

Manual Integrations

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#6

Aniline

Concen: 11.72 ng m

RT: 6.54 min Scan# 433

Delta R.T. 0.06 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

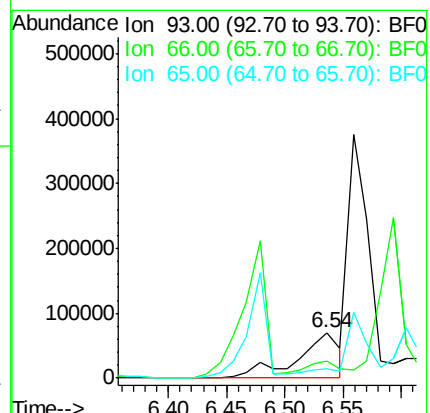
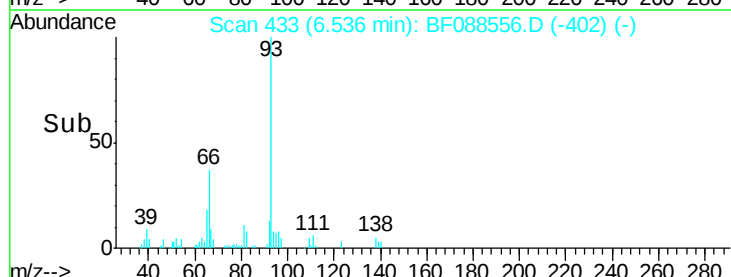
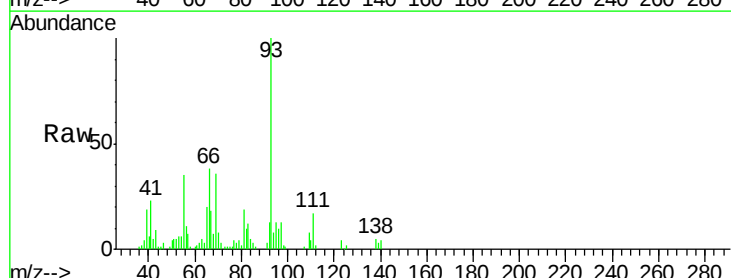
Tgt Ion: 93 Resp: 180858

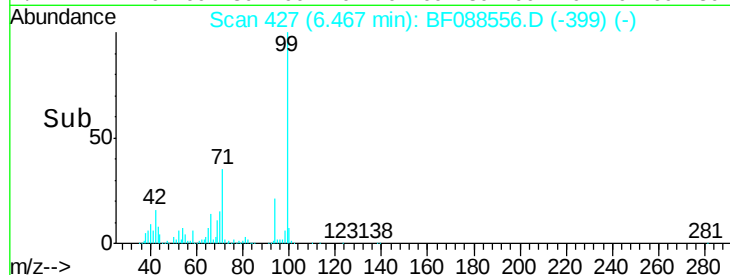
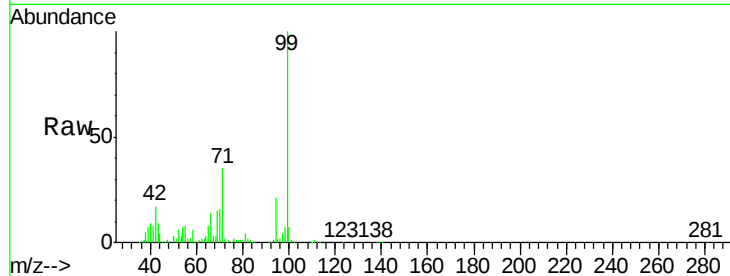
Ion Ratio Lower Upper

93 100

66 37.7 29.8 44.8

65 20.1 14.9 22.3





#7

Phenol-d6

Concen: 138.21 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tot Ion: 99 Resp: 1463229

Ion Ratio Lower Upper

99 100

42 16.6 12.2 18.2

71 35.2 23.4 35.0#

Instrument :

BNA_F

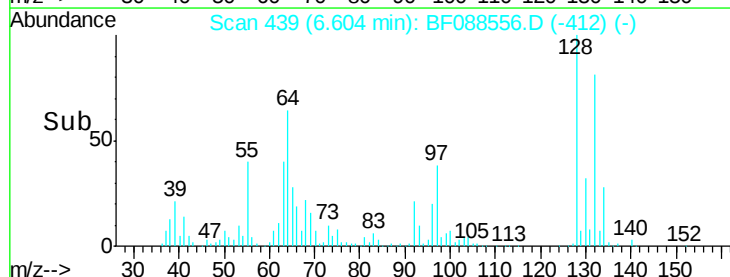
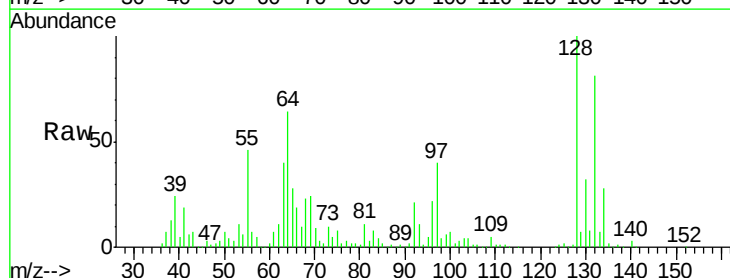
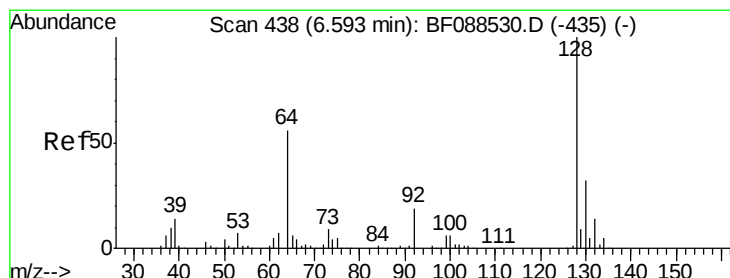
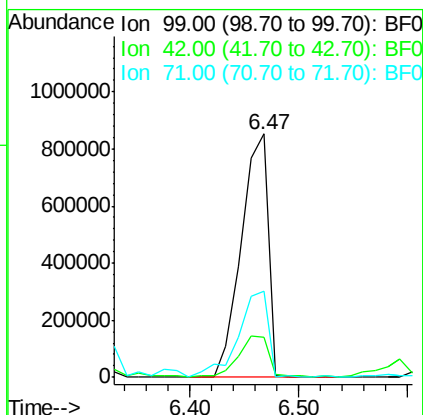
ClientSampleId :

B1409-TP03E-1224MSD

Manual Integrations

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#8

2-Chlorophenol

Concen: 44.34 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

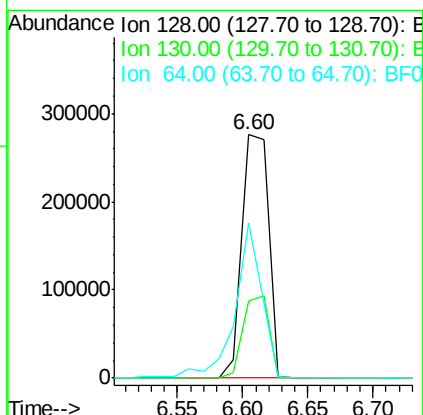
Tgt Ion:128 Resp: 390496

Ion Ratio Lower Upper

128 100

130 31.6 12.0 52.0

64 63.8 30.8 70.8





#9

Benzaldehyde

Concen: 2.50 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

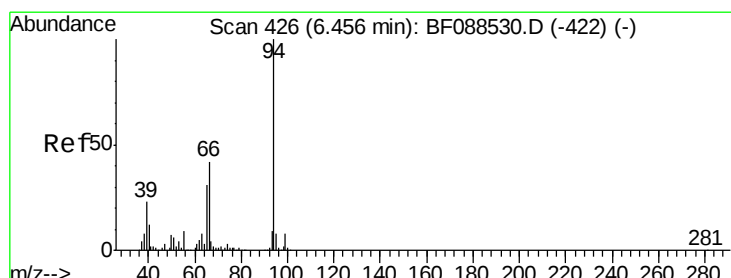
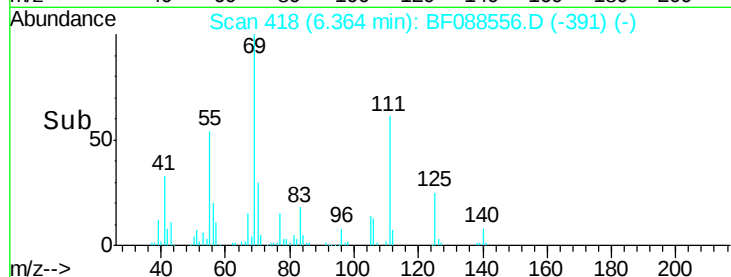
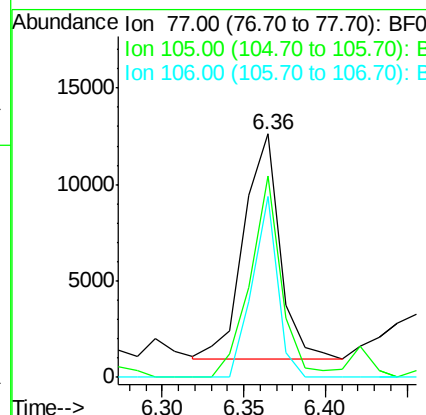
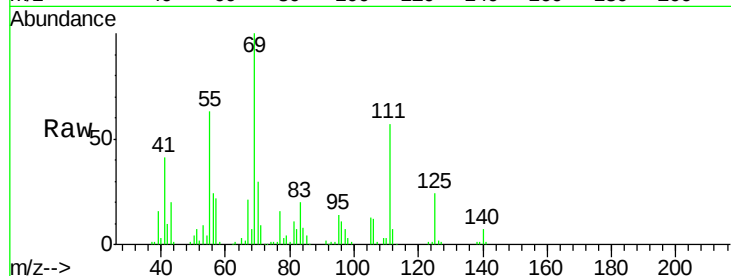
B1409-TP03E-1224MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	82.9	90.6	130.6	
106	74.2	85.3	125.3	

Manual Integrations

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#10

Phenol

Concen: 49.05 ng

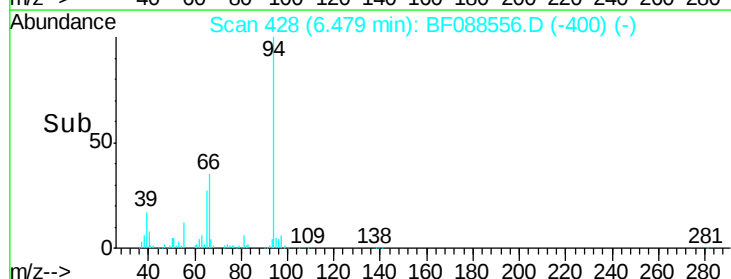
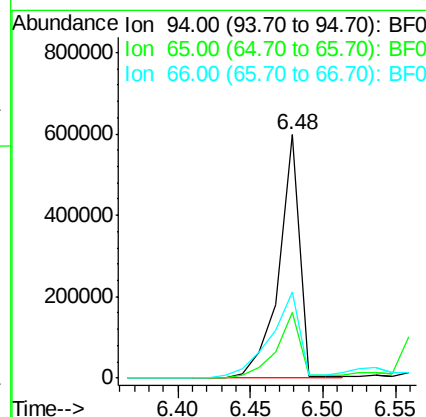
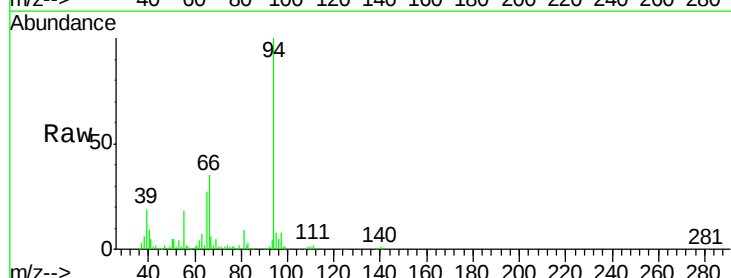
RT: 6.48 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	27.1	5.9	45.9	
66	35.4	14.0	54.0	





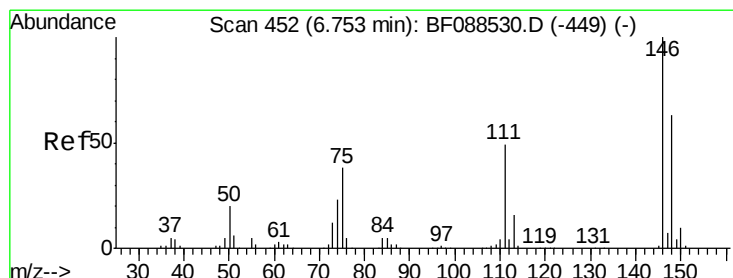
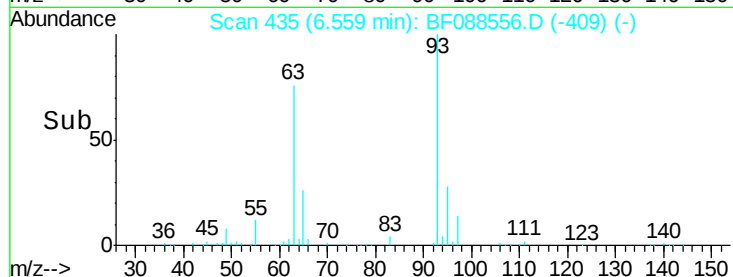
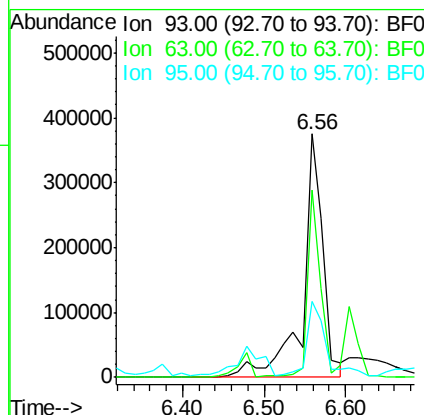
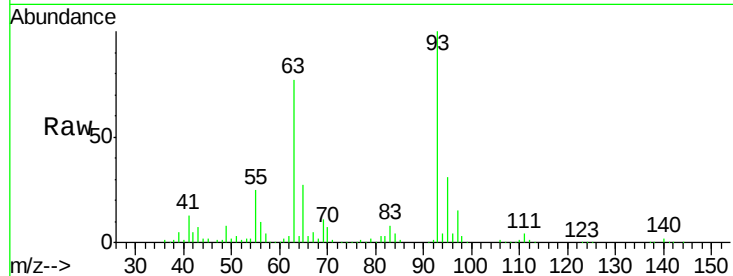
#11
bis(2-Chloroethyl)ether
Concen: 70.50 ng
RT: 6.56 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.8	67.6	107.6
95	31.2	12.5	52.5

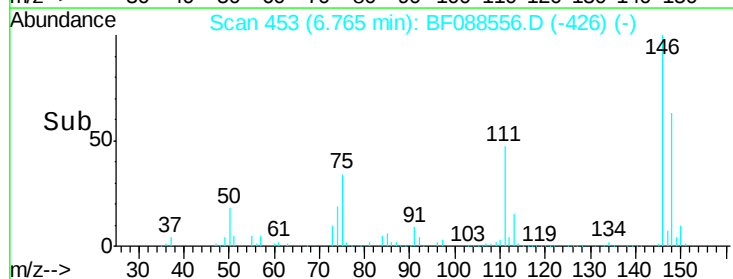
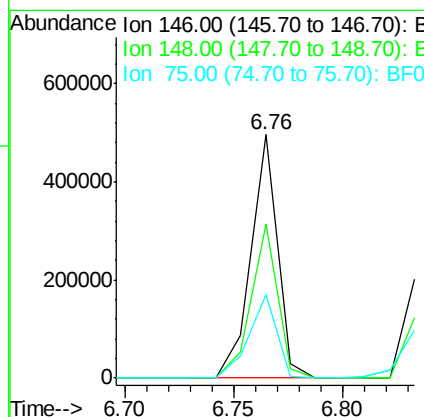
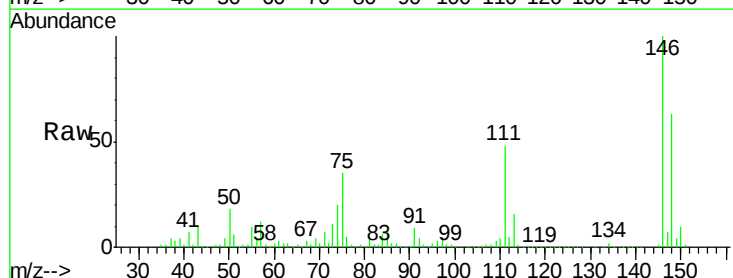
Manual Integrations

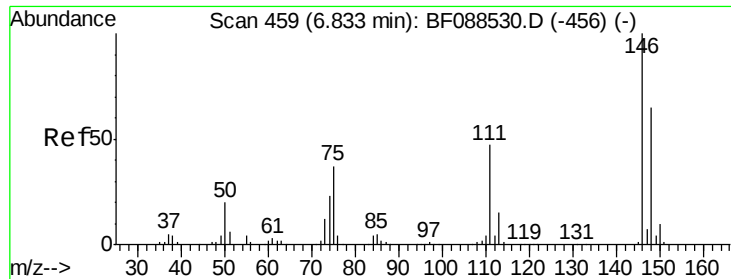
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#12
1,3-Dichlorobenzene
Concen: 43.32 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.9	76.3
75	34.5	25.6	38.4





#13

1,4-Dichlorobenzene

Concen: 47.47 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

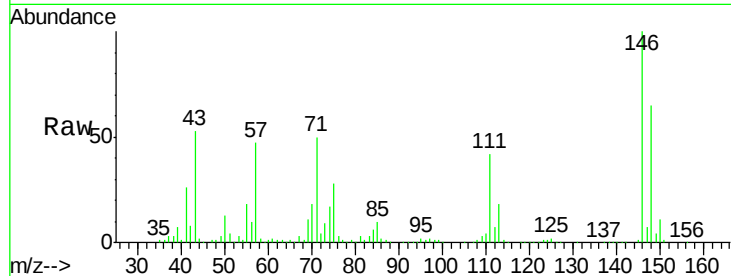
B1409-TP03E-1224MSD

Tot Ion:	146	Resp:	456556
Ion Ratio	Lower	Upper	
146	100		
148	64.6	52.0	78.0
111	42.3	33.8	50.8

Manual Integrations

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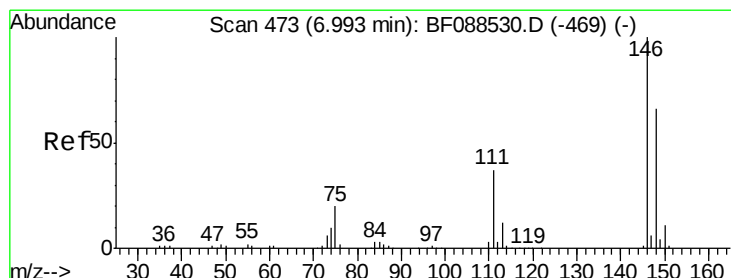
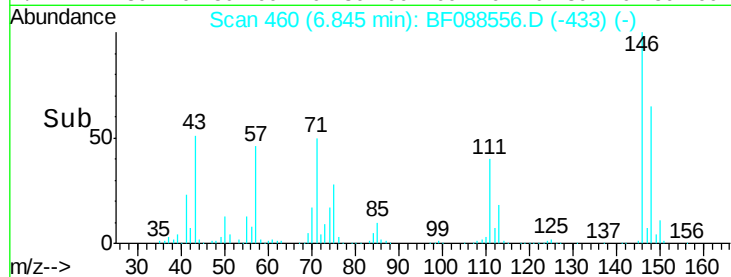
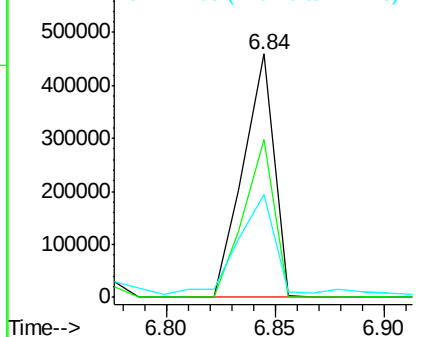


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.94 ng m

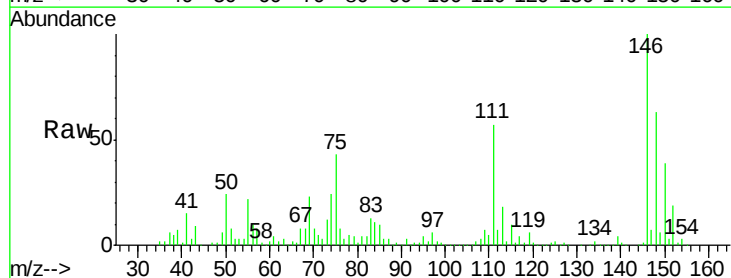
RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	146	Resp:	359596
Ion Ratio	Lower	Upper	
146	100		
148	63.4	52.3	78.5
111	56.9	28.7	43.1#

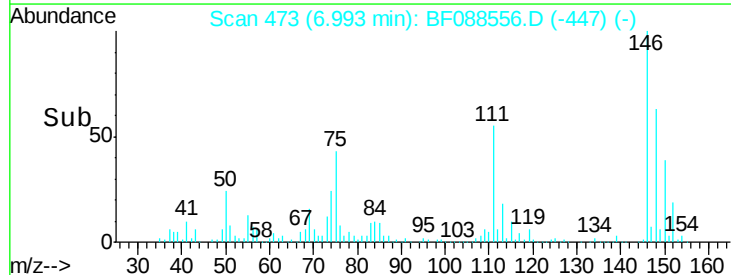
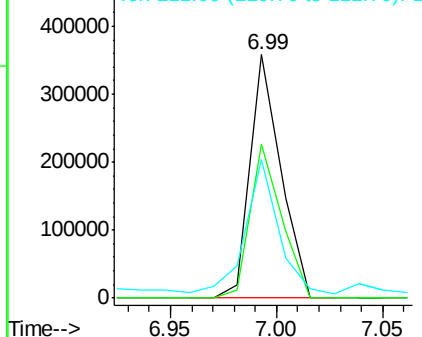


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.93 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion: 79 Resp: 404610

Ion Ratio Lower Upper

79 100

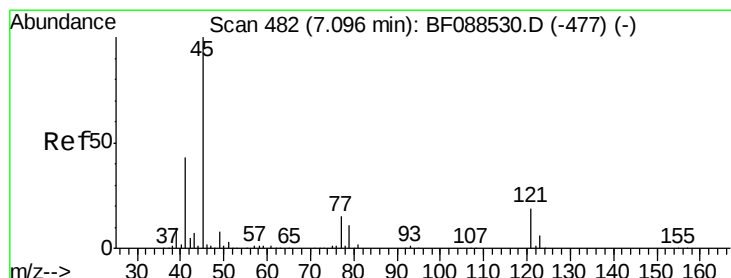
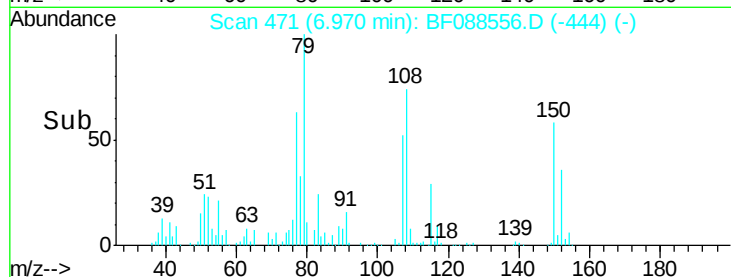
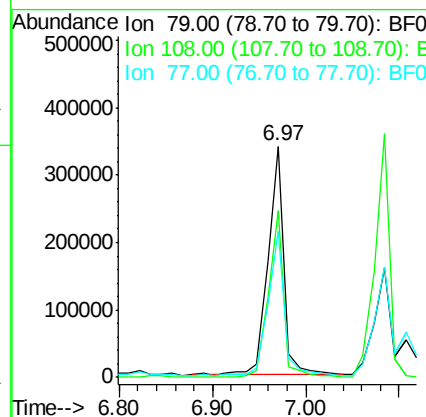
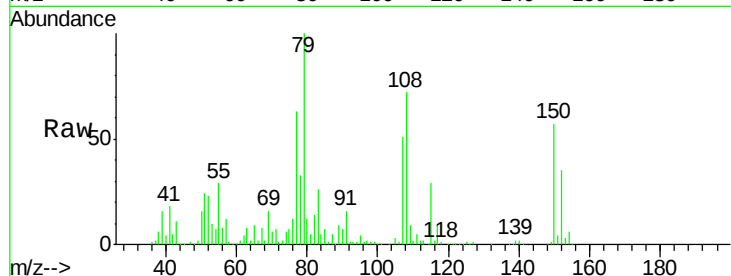
108 72.3 65.0 97.6

77 63.0 50.3 75.5

Manual Integrations

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#16

2,2'-oxybis(1-chloropropane)

Concen: 38.64 ng

RT: 7.11 min Scan# 483

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

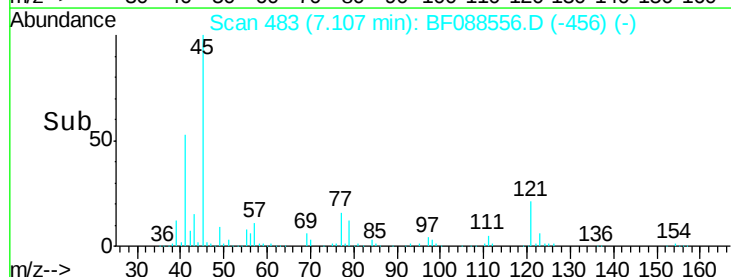
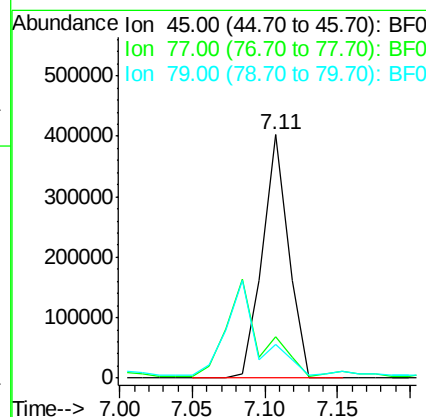
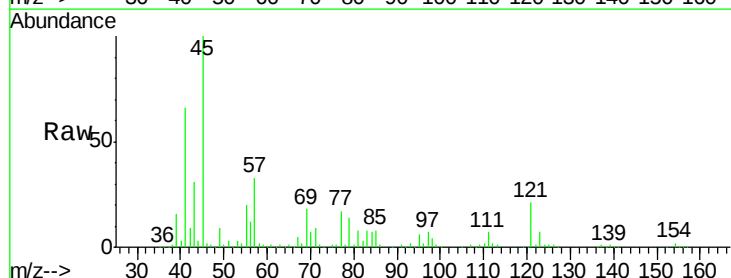
Tgt Ion: 45 Resp: 504274

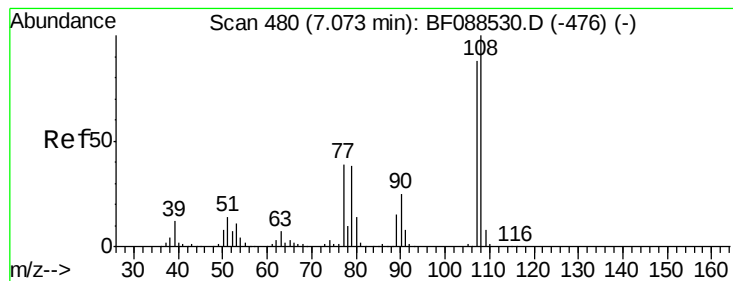
Ion Ratio Lower Upper

45 100

77 16.8 0.0 32.5

79 13.7 0.0 29.5





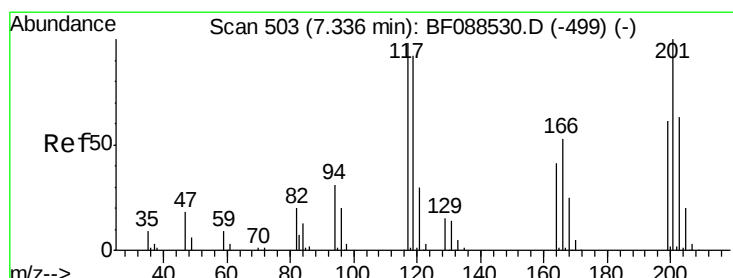
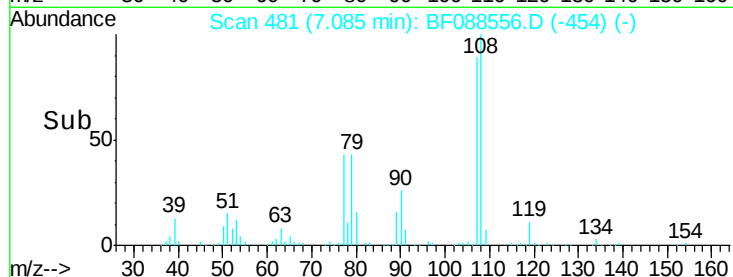
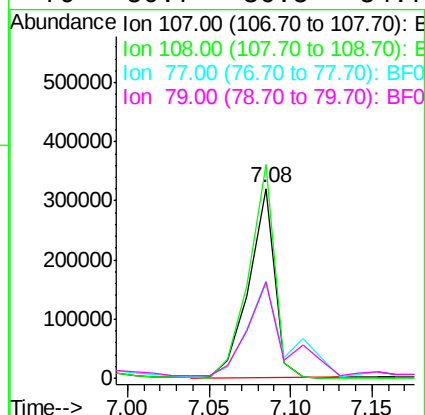
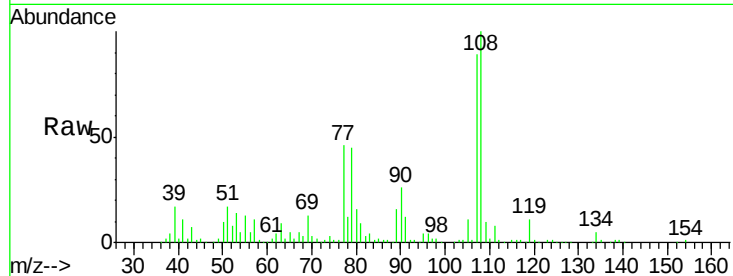
#17
2-Methylphenol
Concen: 48.82 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	112.6	90.9	136.3		
77	51.3	36.6	55.0		
79	50.7	36.5	54.7		

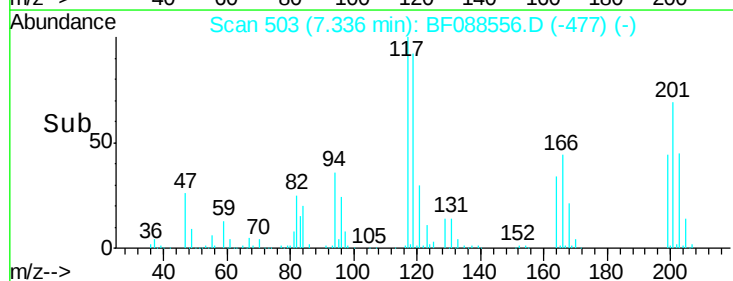
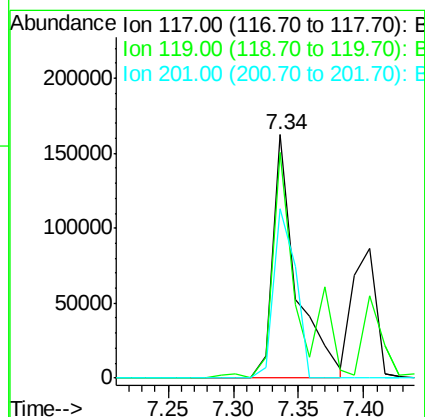
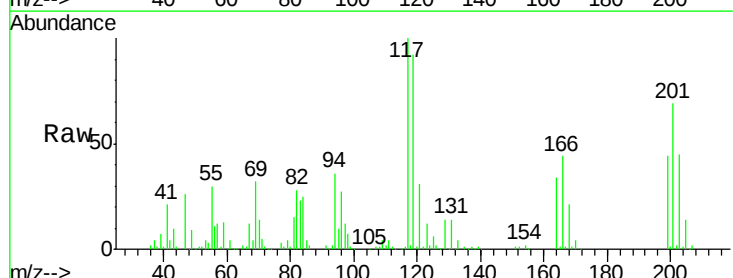
Manual Integrations

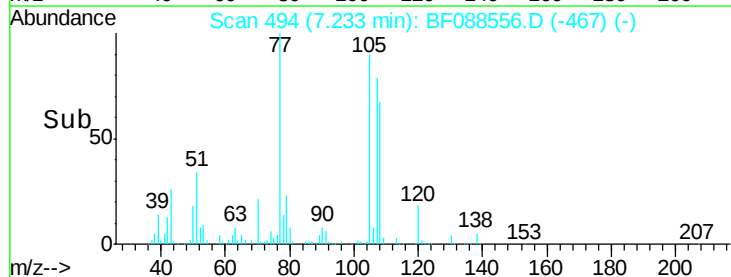
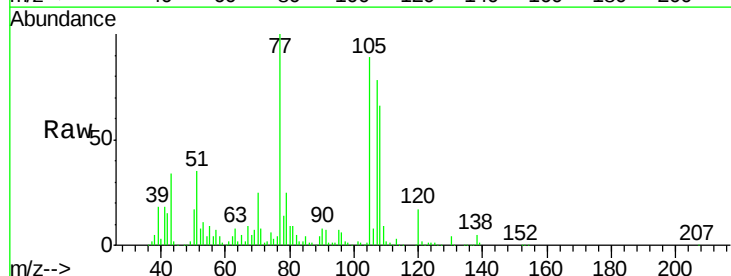
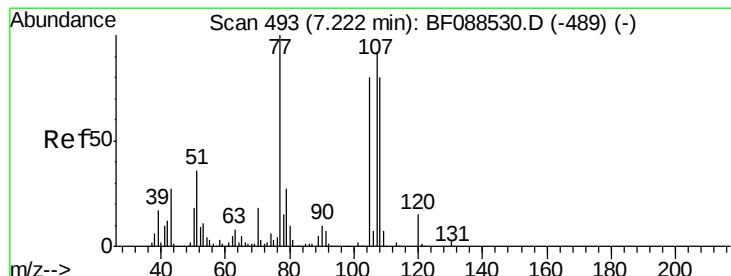
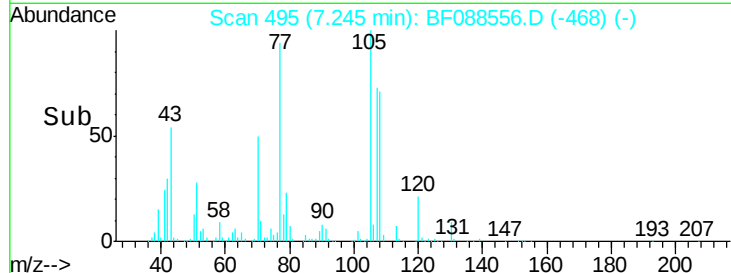
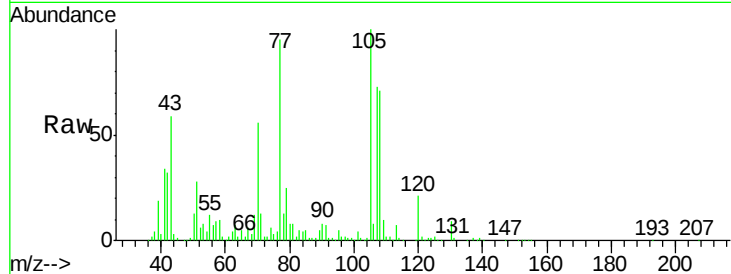
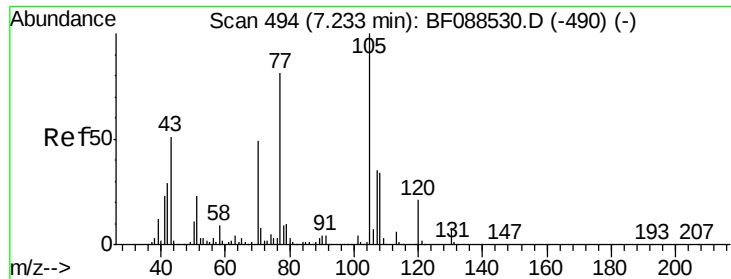
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#18
Hexachloroethane
Concen: 55.06 ng
RT: 7.34 min Scan# 503
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	92.5	77.4	116.2		
201	69.4	80.4	120.6#		





#19

n-Nitroso-di-n-propylamine

Concen: 46.18 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tot Ion: 70 Resp: 328434

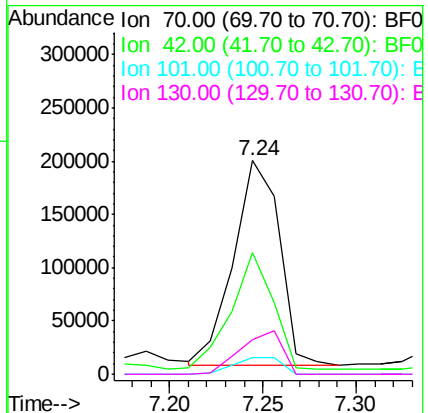
Ion Ratio Lower Upper

70 100

42 57.1 49.6 74.4

101 8.0 7.1 10.7

130 16.2 15.4 23.2



Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Manual Integrations

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#20

3+4-Methylphenols

Concen: 48.25 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:107 Resp: 416036

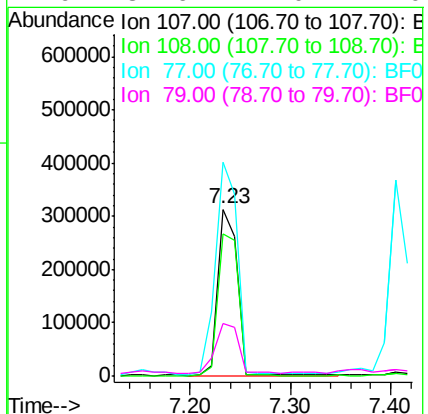
Ion Ratio Lower Upper

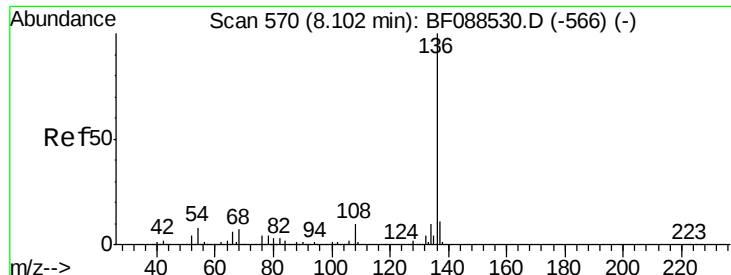
107 100

108 84.7 67.8 107.8

77 127.9 59.3 99.3#

79 31.6 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:136 Resp: 454145

Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

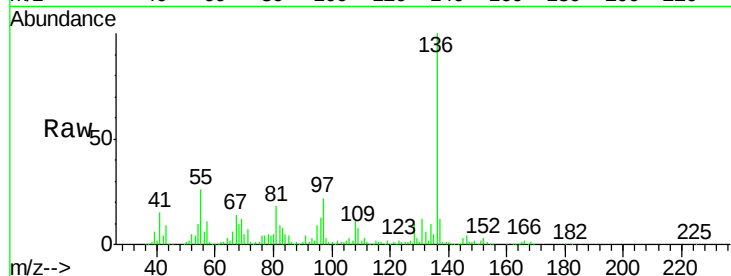
54 9.8 6.6 10.0

68 9.6 5.1 7.7#

Manual Integrations

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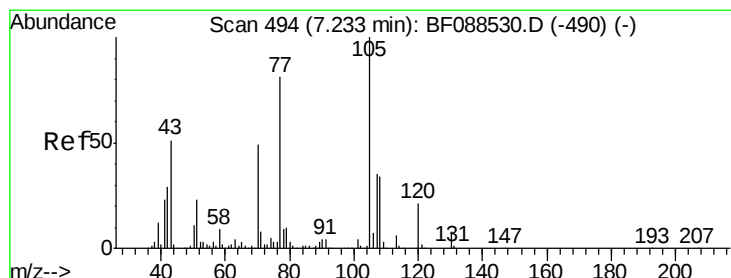
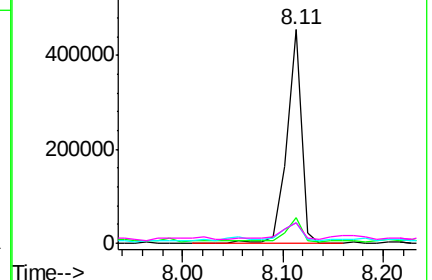
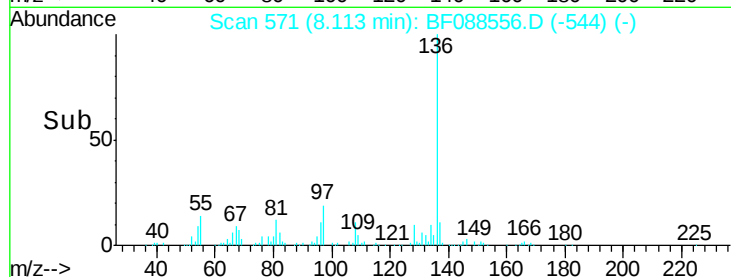


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 52.50 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:105 Resp: 578718

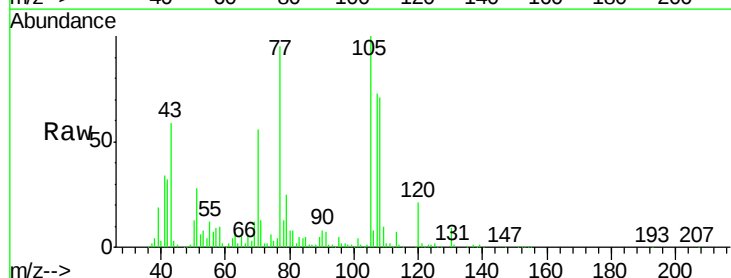
Ion Ratio Lower Upper

105 100

71 13.3 5.3 7.9#

51 28.1 18.2 27.4#

120 20.6 18.0 27.0

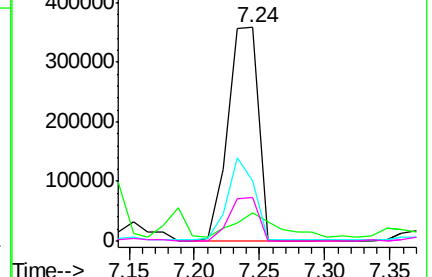
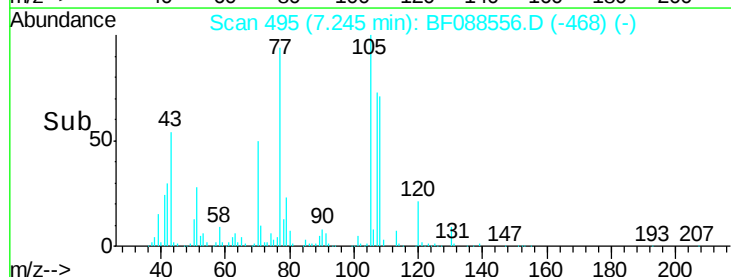


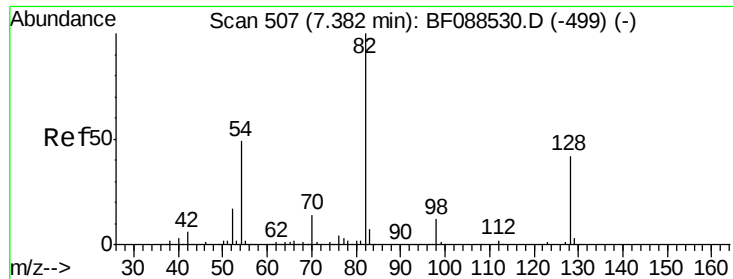
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





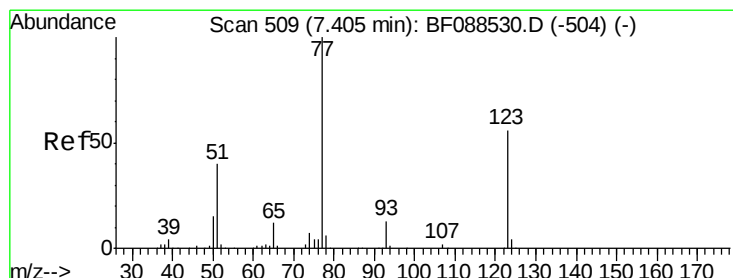
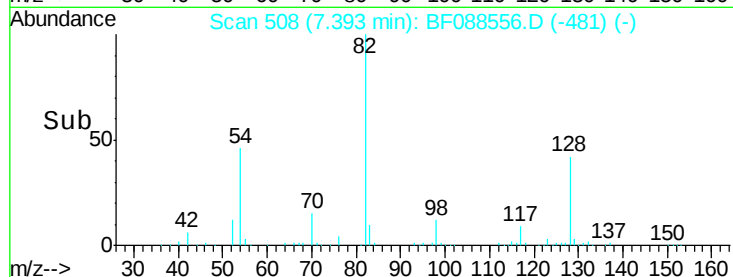
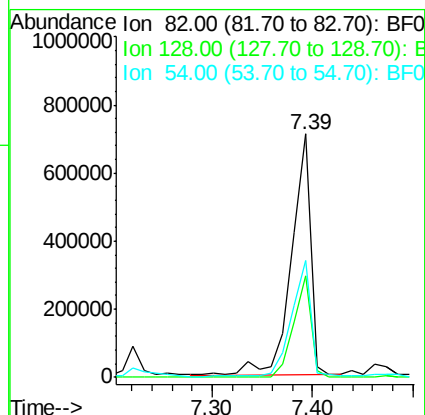
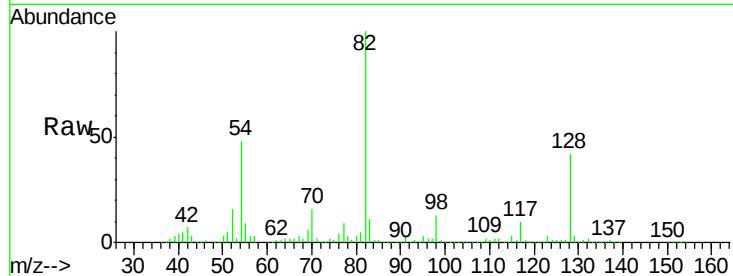
#23
Nitrobenzene-d5
Concen: 108.37 ng
RT: 7.39 min Scan# 508
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

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

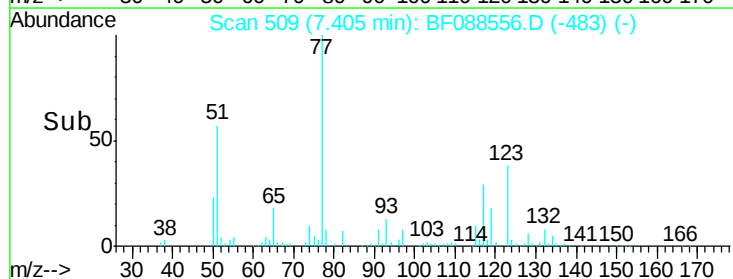
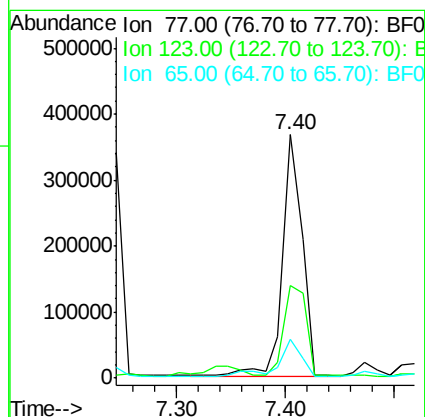
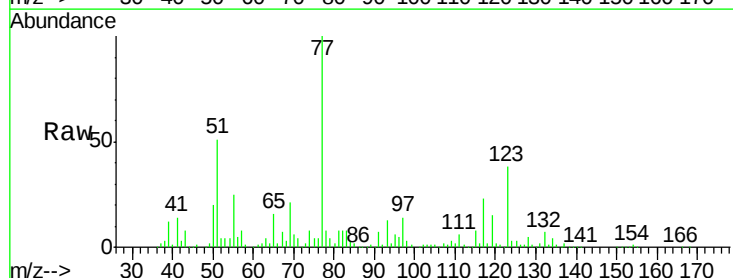
Manual Integrations

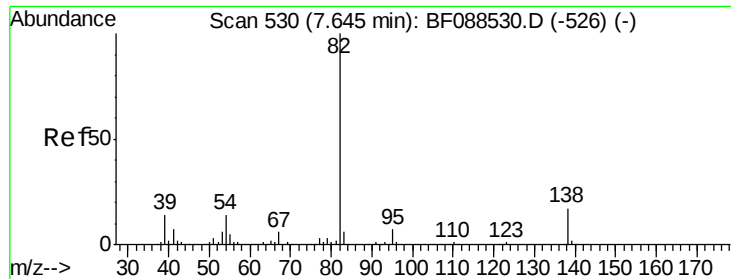
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#24
Nitrobenzene
Concen: 52.45 ng
RT: 7.40 min Scan# 509
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

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





#25

Isophorone

Concen: 56.90 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

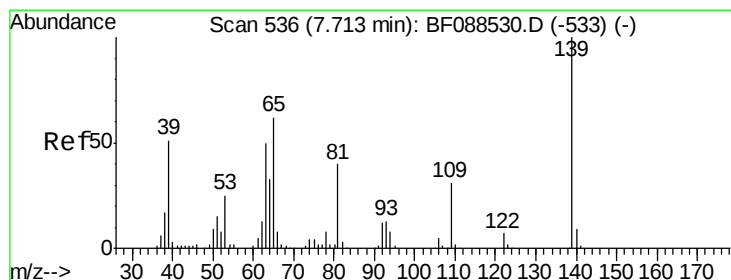
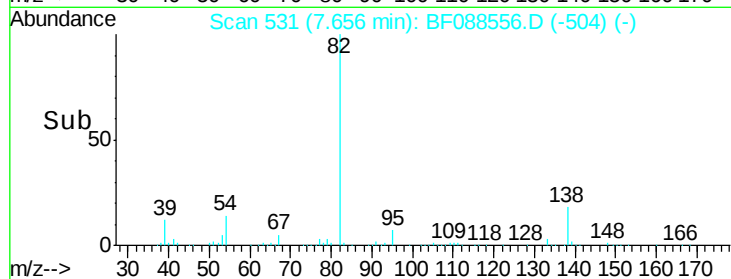
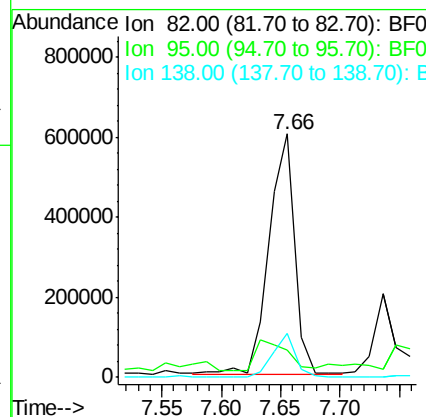
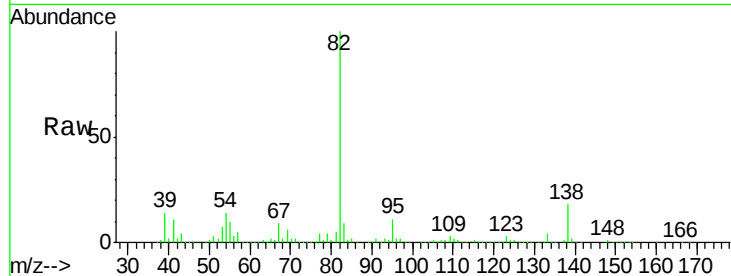
B1409-TP03E-1224MSD

Tot Ion:	82	Resp:	913431
Ion Ratio	Lower	Upper	
82	100		
95	11.0	5.4	8.2#
138	17.8	14.6	21.8

Manual Integrations

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#26

2-Nitrophenol

Concen: 52.17 ng

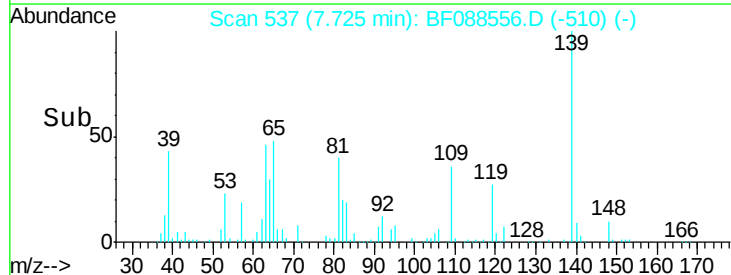
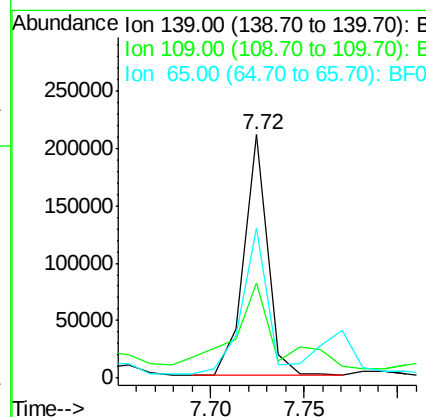
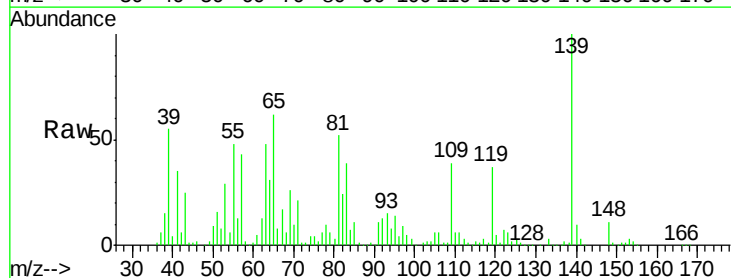
RT: 7.72 min Scan# 537

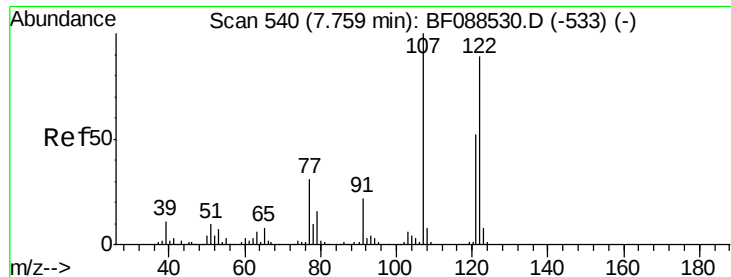
Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	139	Resp:	186933
Ion Ratio	Lower	Upper	
139	100		
109	39.0	23.0	34.4#
65	61.7	45.8	68.8





#27

2,4-Dimethylphenol

Concen: 49.82 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

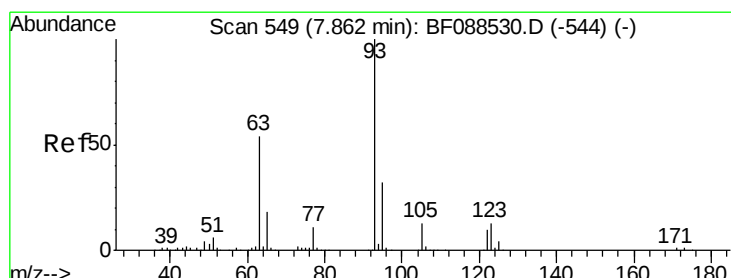
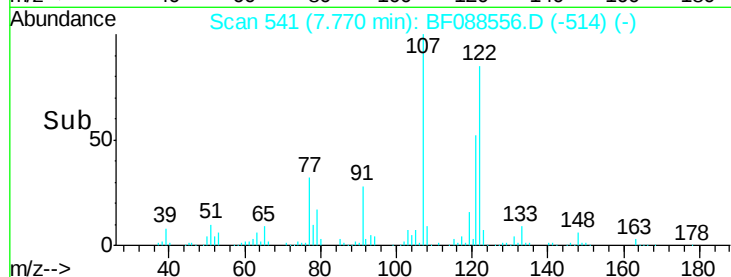
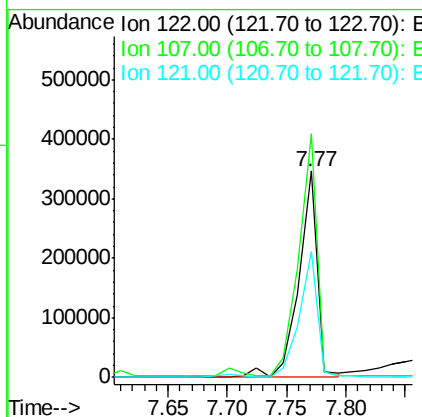
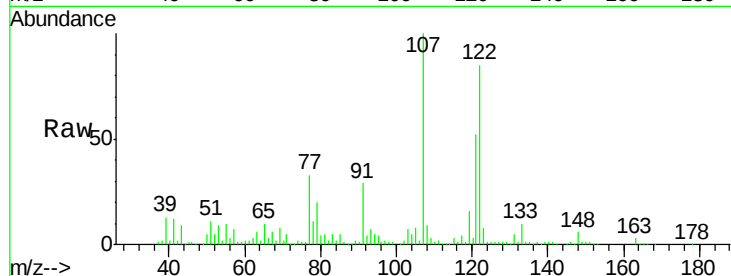
B1409-TP03E-1224MSD

Tot Ion:	122	Resp:	371818
Ion Ratio	Lower	Upper	
122	100		
107	118.0	82.4	123.6
121	61.1	46.3	69.5

Manual Integrations

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#28

bis(2-Chloroethoxy)methane

Concen: 46.50 ng

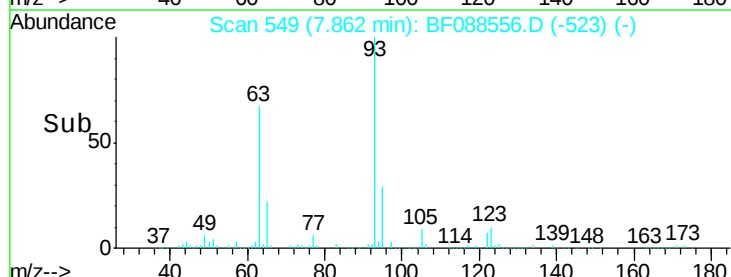
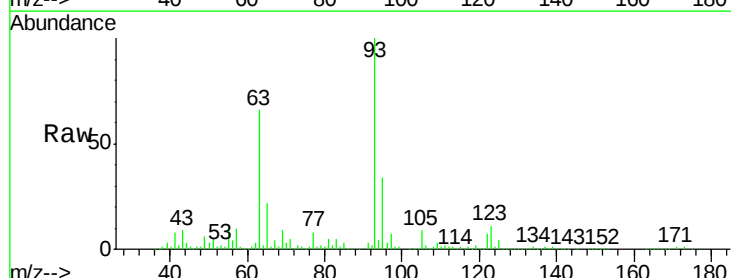
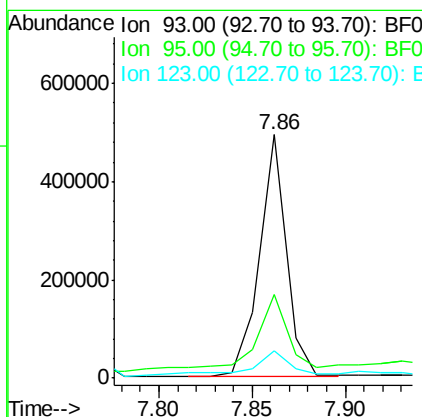
RT: 7.86 min Scan# 549

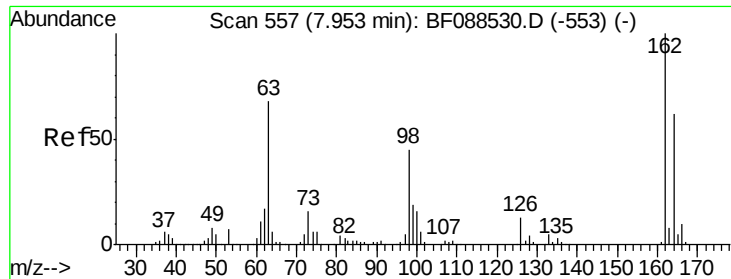
Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	93	Resp:	485812
Ion Ratio	Lower	Upper	
93	100		
95	34.3	26.5	39.7
123	11.2	11.6	17.4#





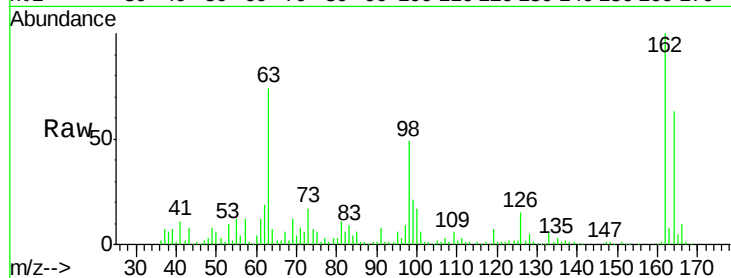
#29
 2,4-Dichlorophenol
 Concen: 50.74 ng
 RT: 7.96 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

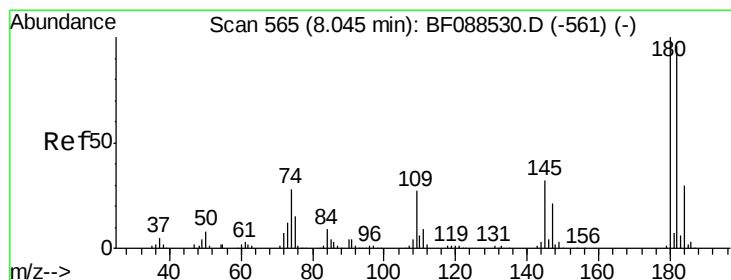
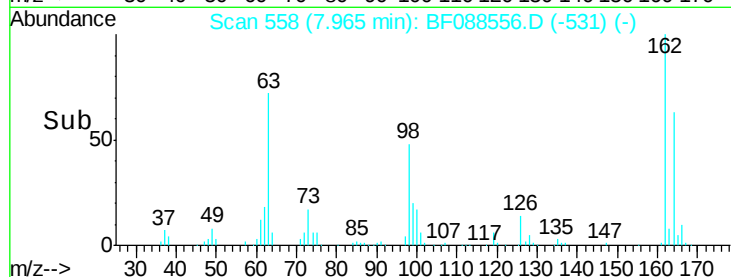
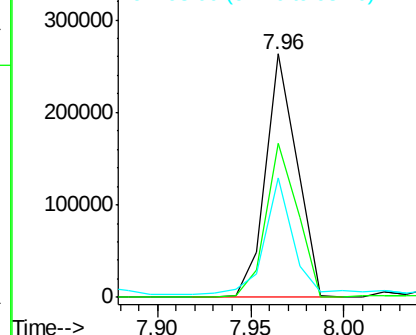
Tot Ion:	162	Resp:	306018
Ion Ratio	Lower	Upper	
162	100		
164	63.1	43.8	83.8
98	48.9	21.3	61.3

Manual Integrations

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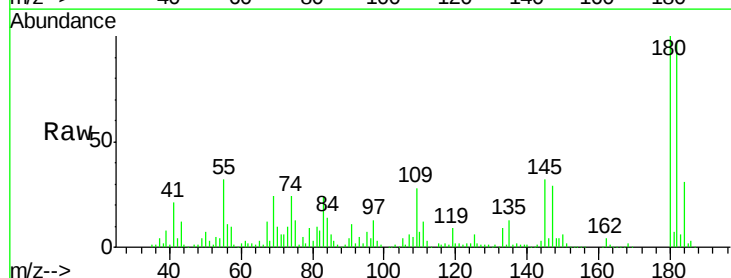


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

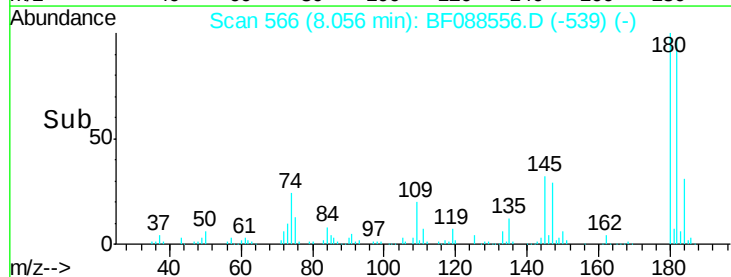
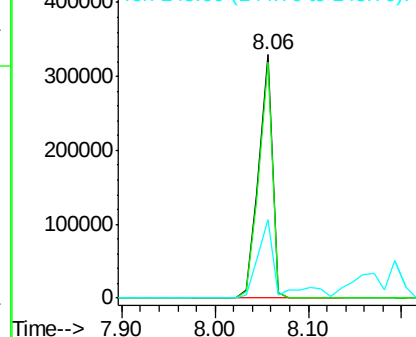


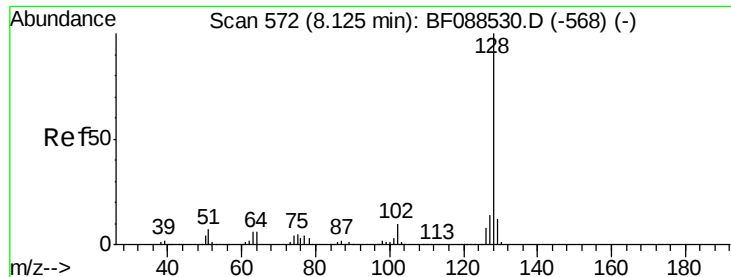
#30
 1,2,4-Trichlorobenzene
 Concen: 50.93 ng
 RT: 8.06 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion:	180	Resp:	337116
Ion Ratio	Lower	Upper	
180	100		
182	97.1	76.0	114.0
145	32.1	26.5	39.7



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





#31

Naphthalene

Concen: 53.74 ng

RT: 8.14 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:128 Resp: 1203178

Ion Ratio Lower Upper

128 100

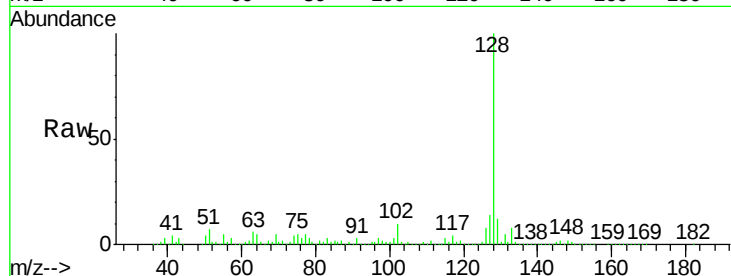
129 12.0 9.4 14.2

127 13.9 10.9 16.3

Manual Integrations

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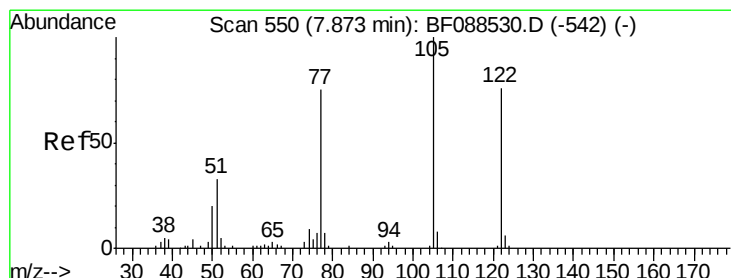
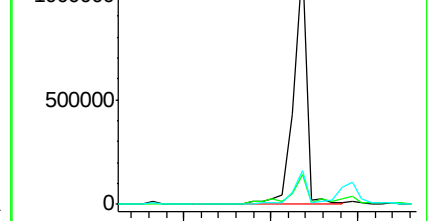
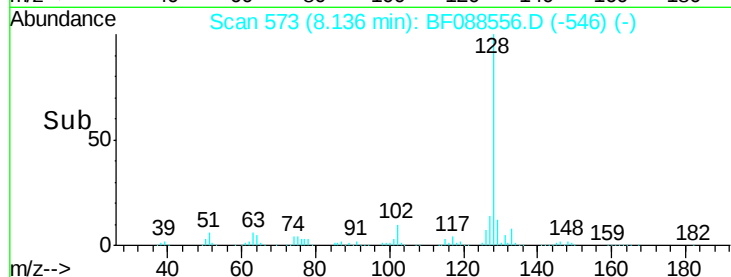
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 26.46 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

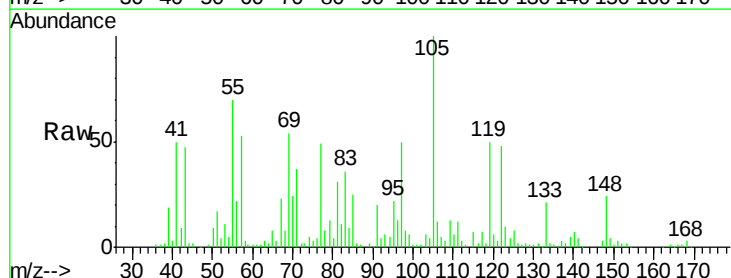
Tgt Ion:122 Resp: 143385

Ion Ratio Lower Upper

122 100

105 207.4 101.6 141.6#

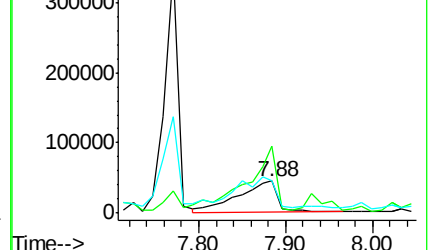
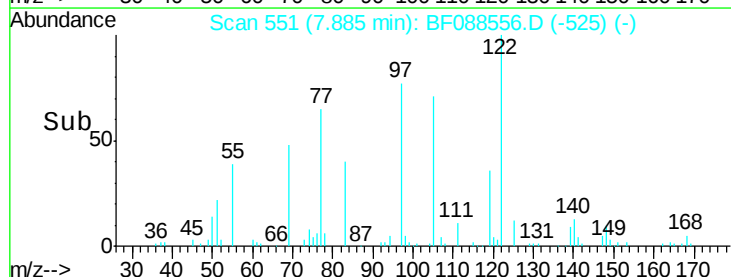
77 100.7 70.6 110.6

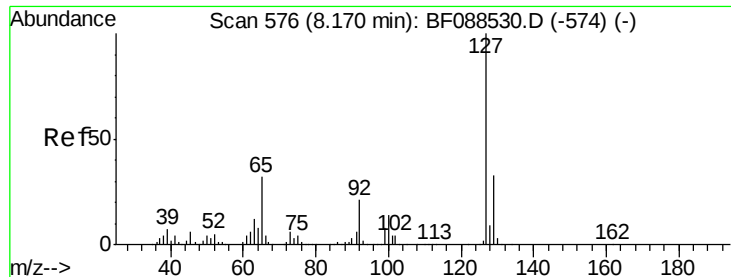


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





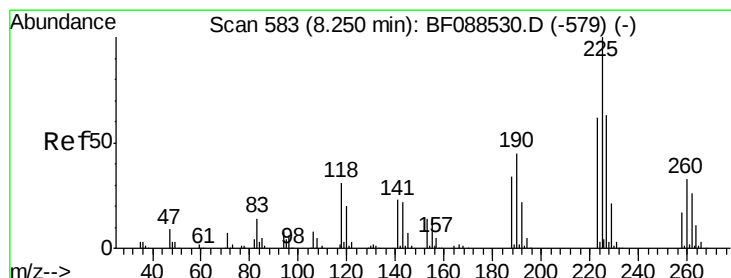
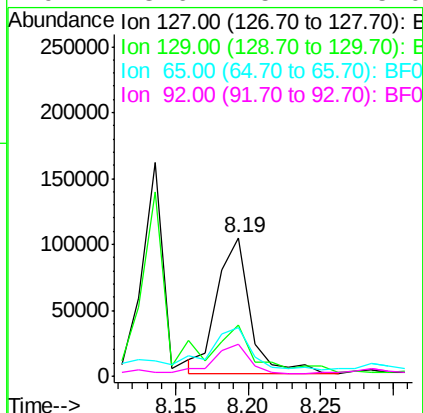
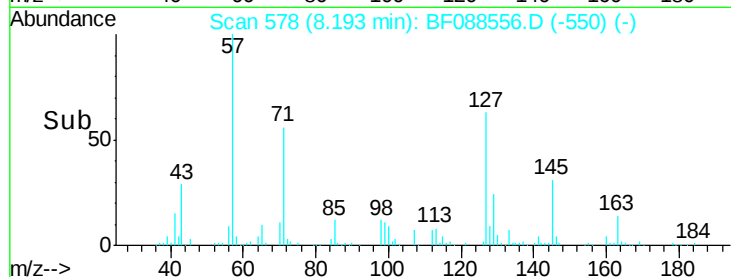
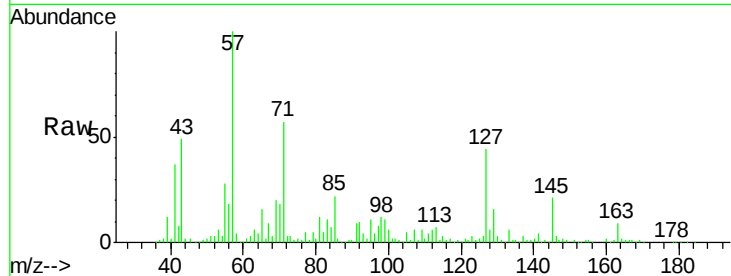
#33
4-Chloroaniline
Concen: 16.39 ng
RT: 8.19 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	37.1	26.3	39.5		
65	35.4	24.7	37.1		
92	23.6	15.4	23.0		

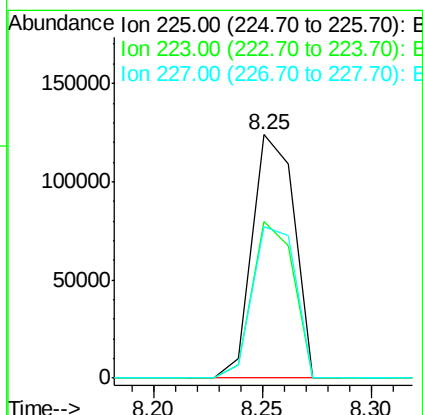
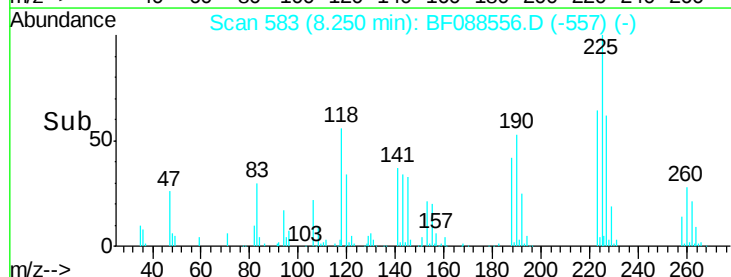
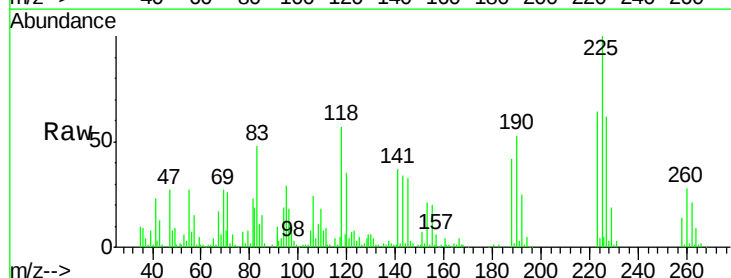
Manual Integrations

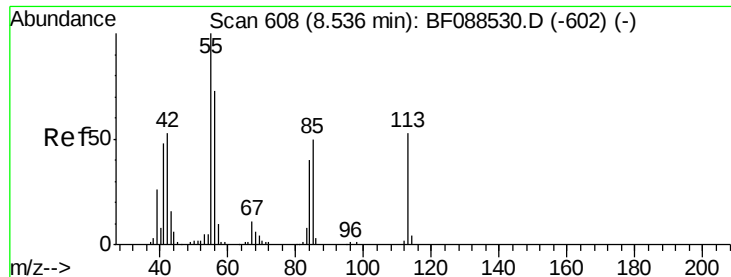
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#34
Hexachlorobutadiene
Concen: 47.06 ng
RT: 8.25 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.2	50.9	76.3		
227	62.4	51.9	77.9		





#35

Caprolactam

Concen: 77.25 ng

RT: 8.55 min Scan# 609

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:113 Resp: 158245

Ion Ratio Lower Upper

113 100

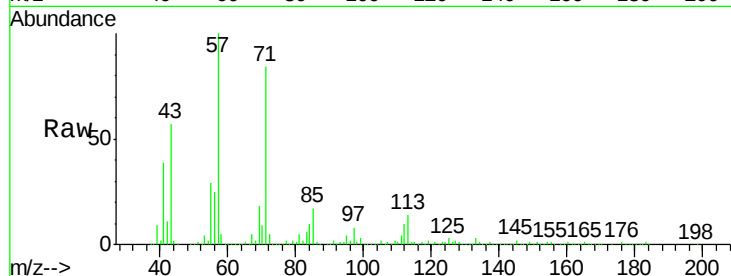
55 208.8 158.6 198.6#

56 183.9 110.6 150.6#

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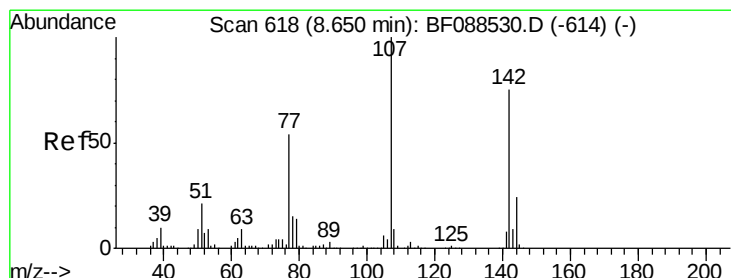
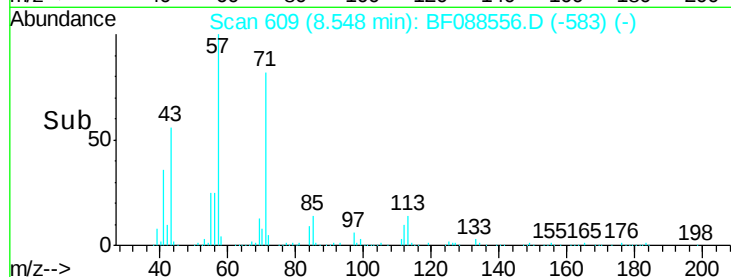
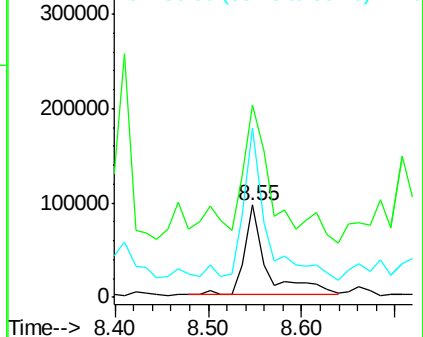
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 46.73 ng

RT: 8.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

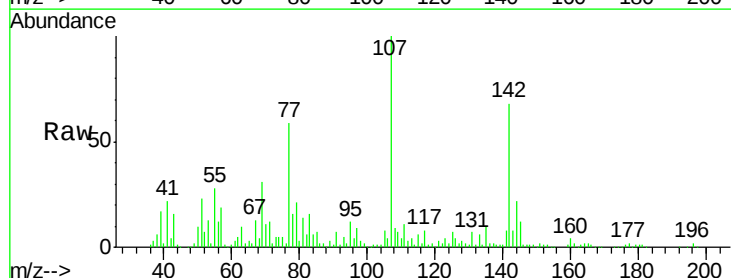
Tgt Ion:107 Resp: 333312

Ion Ratio Lower Upper

107 100

144 22.1 20.8 31.2

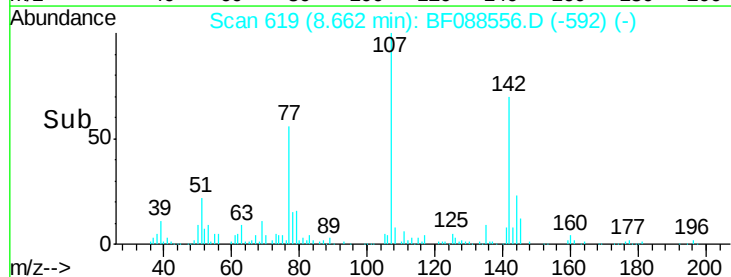
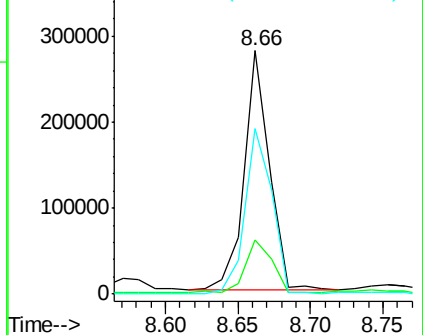
142 68.1 63.4 95.2

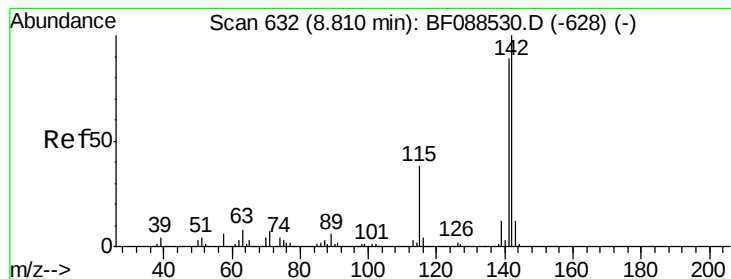


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





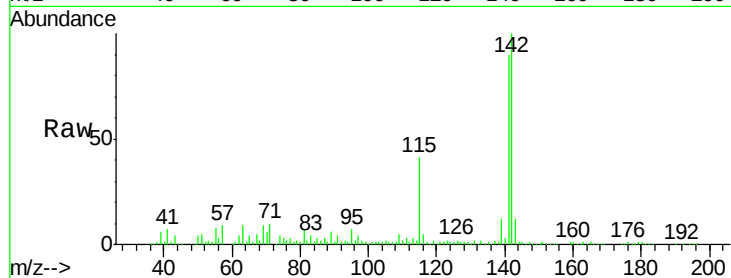
#37
2-Methylnaphthalene
Concen: 42.03 ng
RT: 8.82 min Scan# 633
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

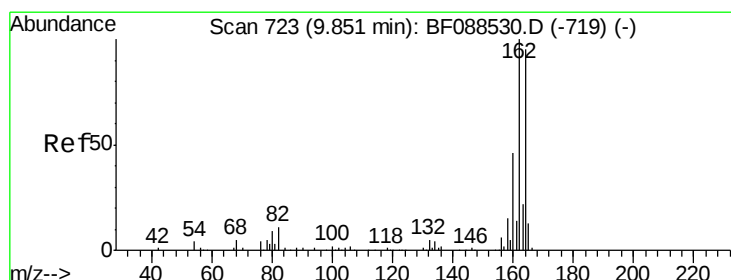
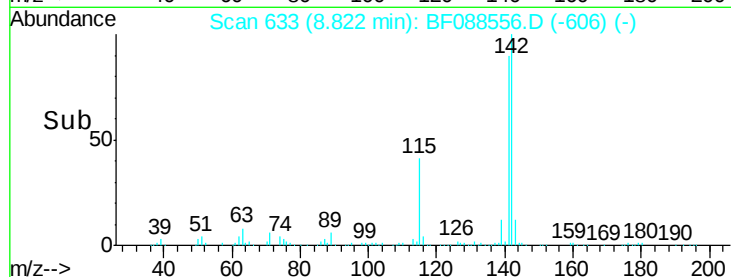
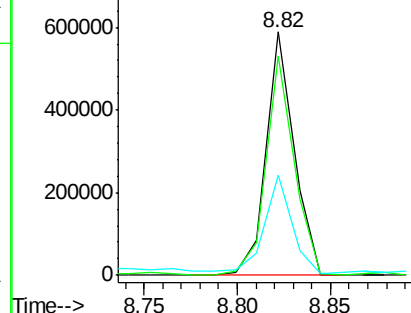
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	41.4	22.6	33.8

Manual Integrations

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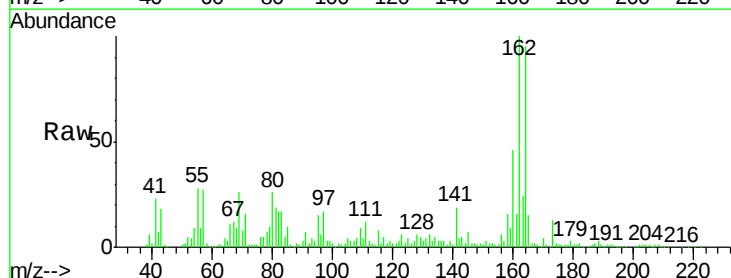


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

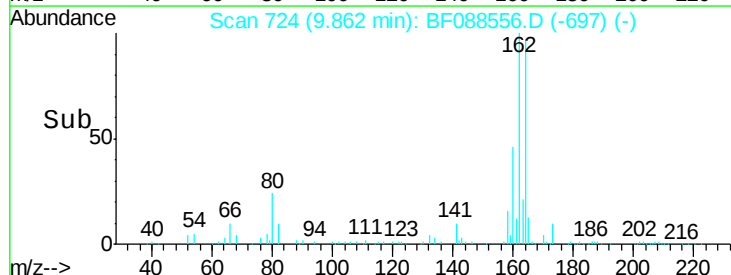
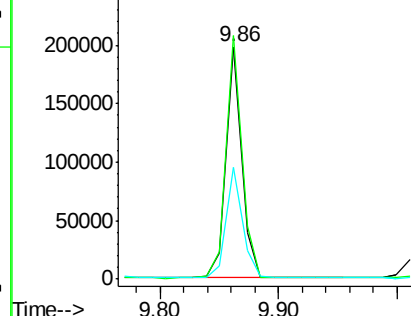


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

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



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.98 ng

RT: 8.99 min Scan# 648

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:216 Resp: 269124
Ion Ratio Lower Upper

216 100

214 80.4 2.9 4.3#

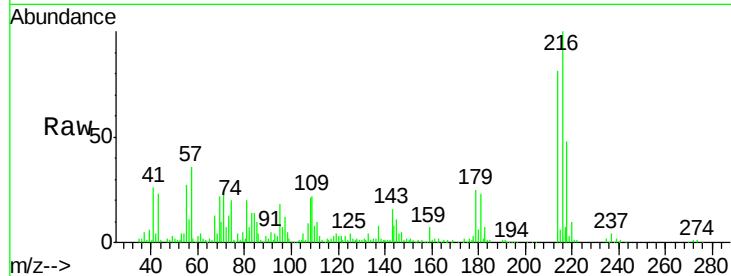
179 31.6 0.0 0.0#

108 25.0 0.5 0.7#

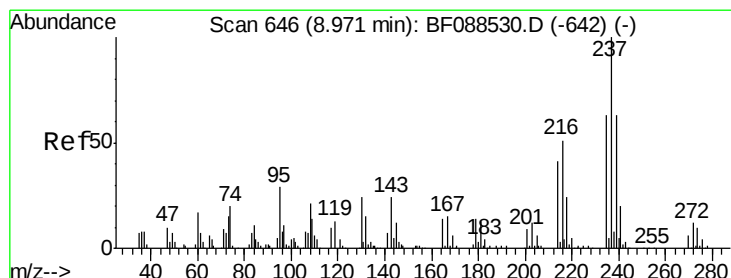
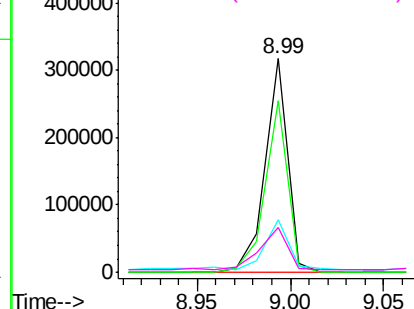
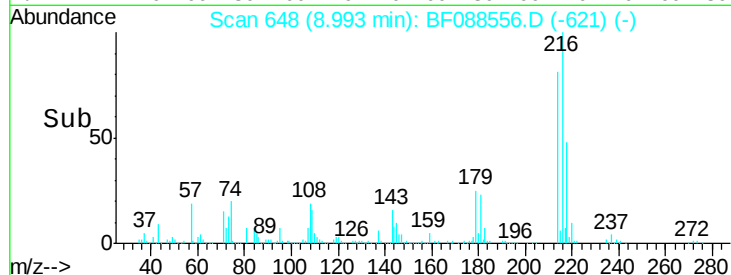
Manual Integrations

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



#40

Hexachlorocyclopentadiene

Concen: 53.55 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.01 min

Lab File: BF088556.D

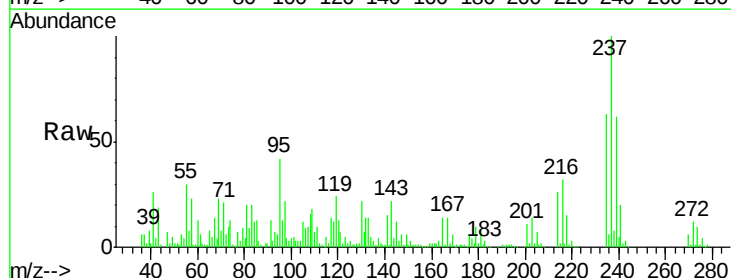
Acq: 1 Jul 2016 4:13

Tgt Ion:237 Resp: 157264
Ion Ratio Lower Upper

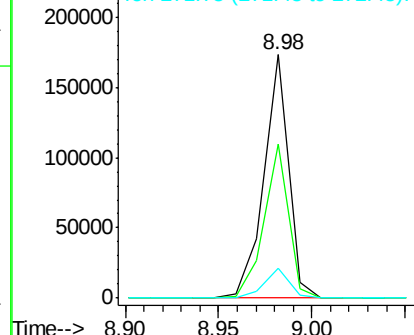
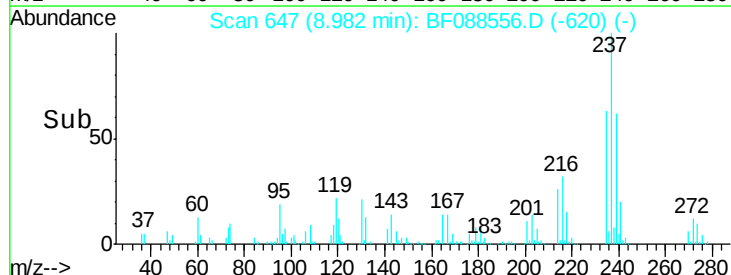
237 100

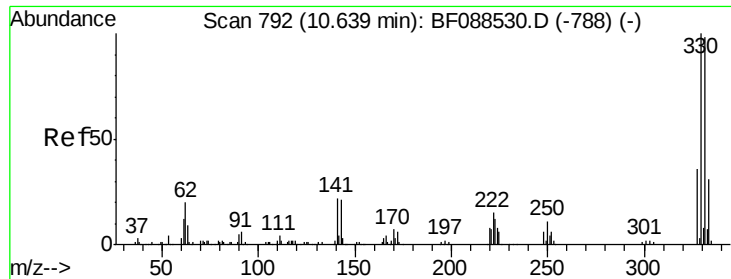
235 63.1 43.4 83.4

272 12.2 0.0 32.3



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





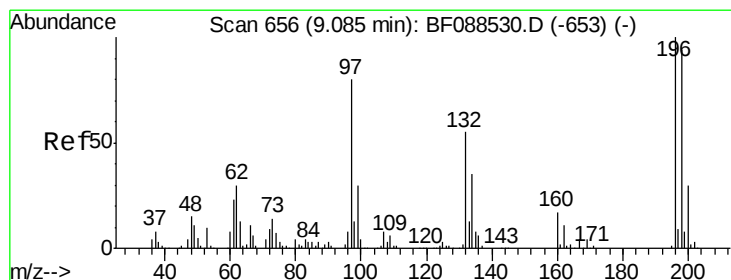
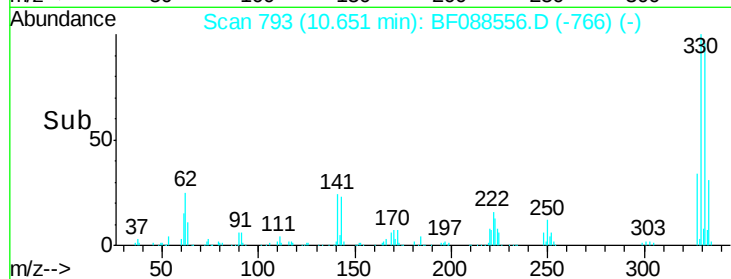
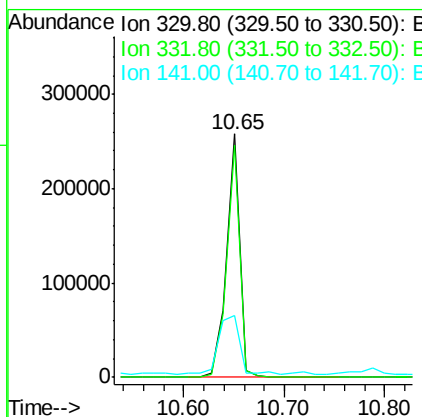
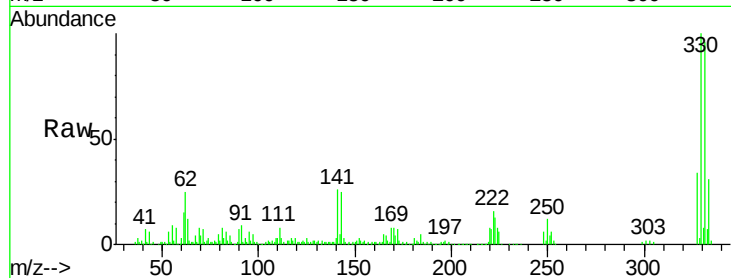
#41
 2,4,6-Tribromophenol
 Concen: 141.05 ng
 RT: 10.65 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	0.0	0.0	0.0
141	38.8	0.0	0.0	0.0

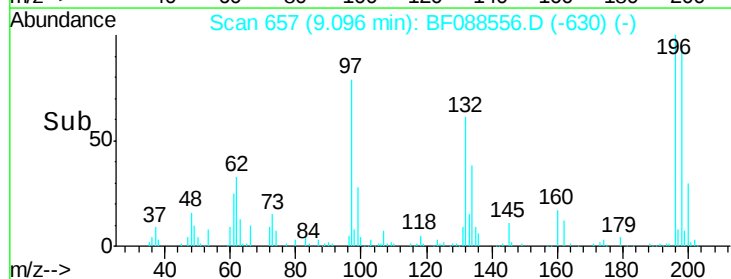
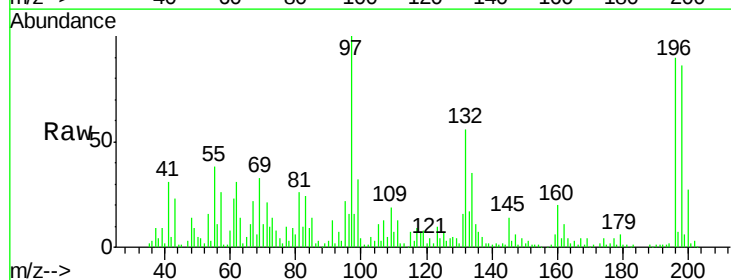
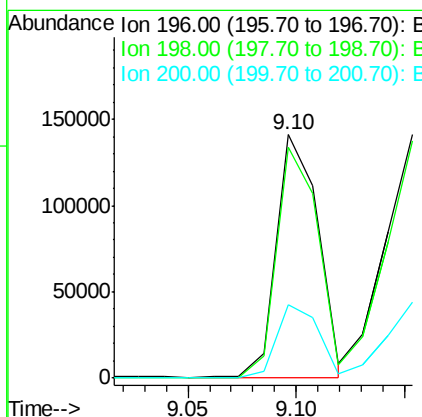
Manual Integrations

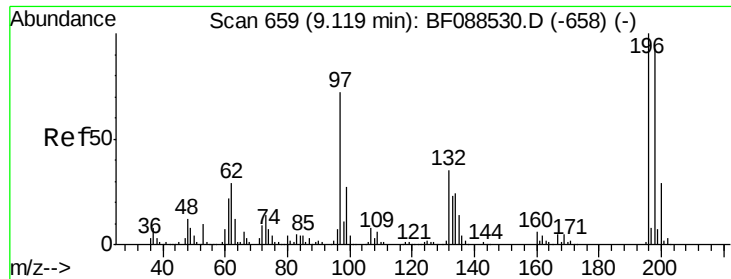
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#42
 2,4,6-Trichlorophenol
 Concen: 47.65 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

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





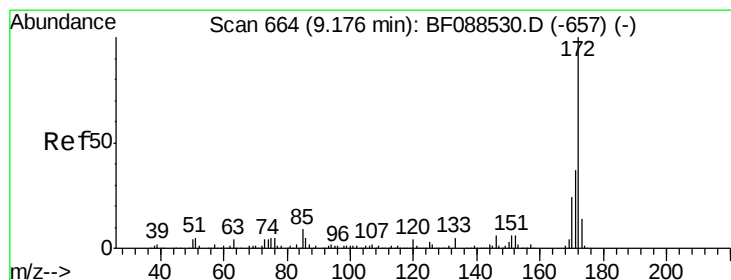
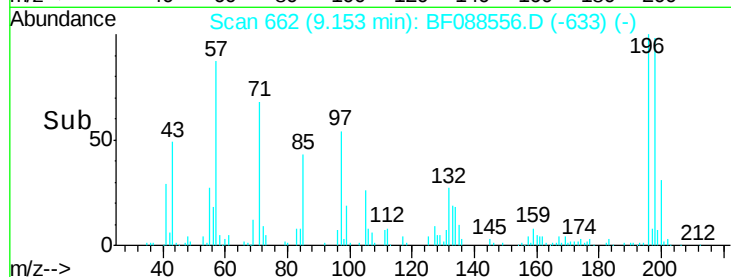
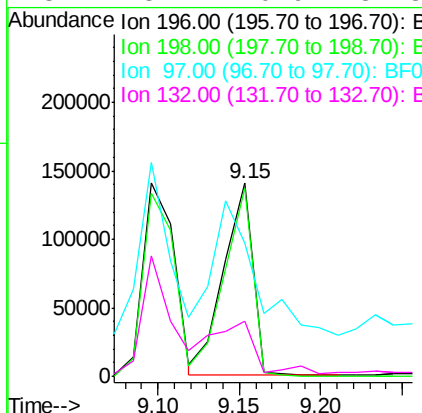
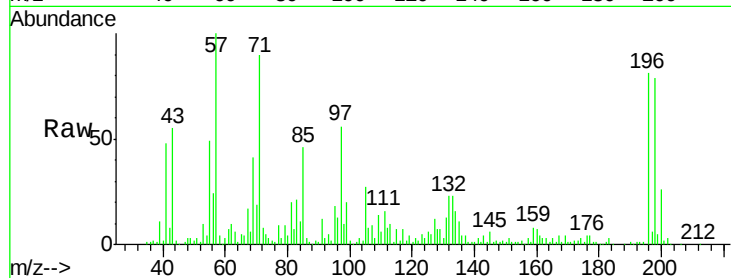
#43
 2,4,5-Trichlorophenol
 Concen: 51.26 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.03 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

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

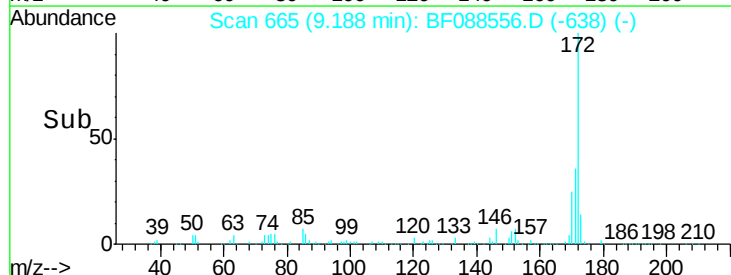
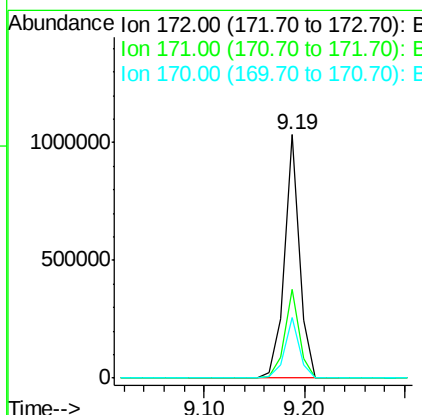
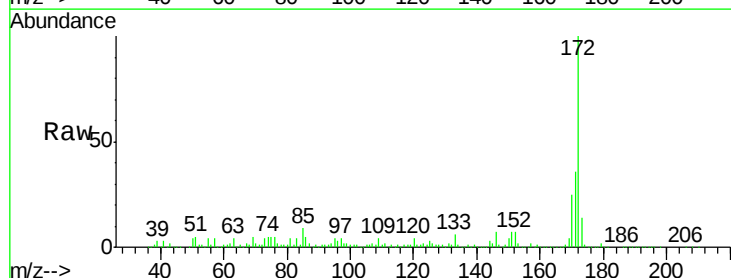
Manual Integrations

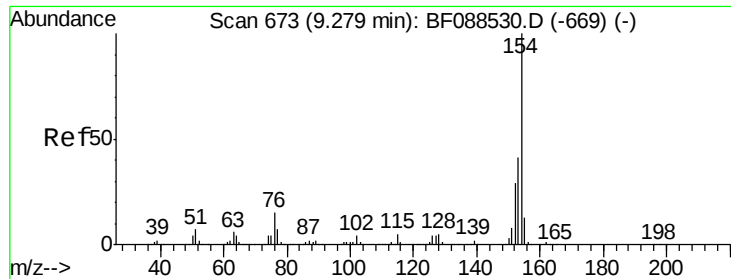
sohil
 7/1/2016 6:59:34 PM



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

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





#45

1,1'-Biphenyl

Concen: 49.62 ng

RT: 9.29 min Scan# 674

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

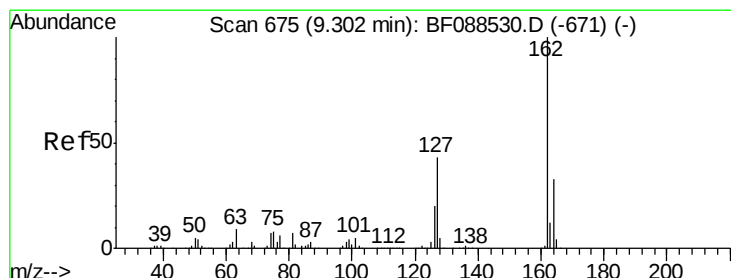
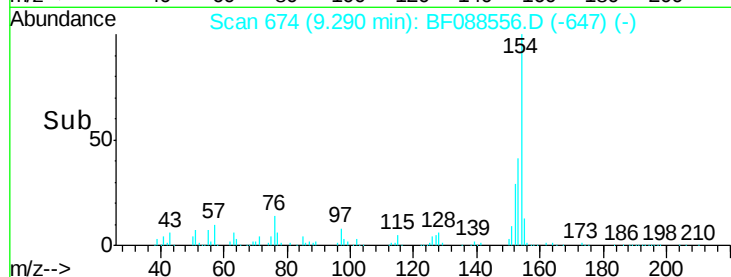
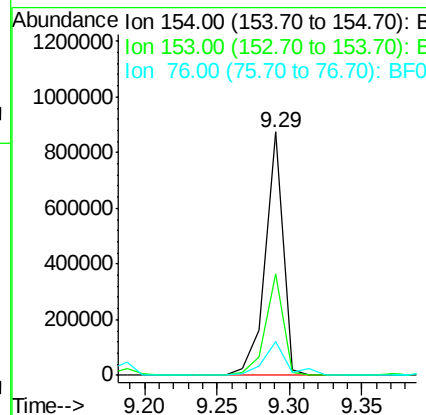
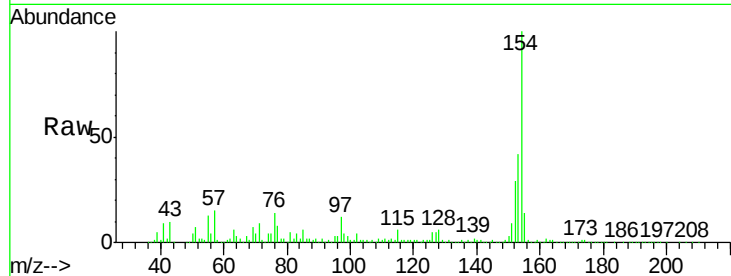
B1409-TP03E-1224MSD

Tot Ion:	154	Resp:	739089
Ion Ratio	Lower	Upper	
154	100		
153	41.5	20.6	60.6
76	13.9	0.0	35.1

Manual Integrations

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#46

2-Chloronaphthalene

Concen: 48.81 ng

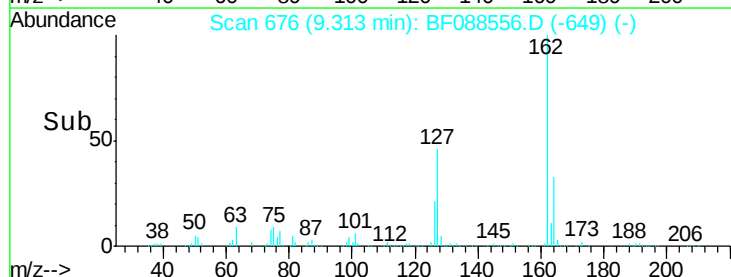
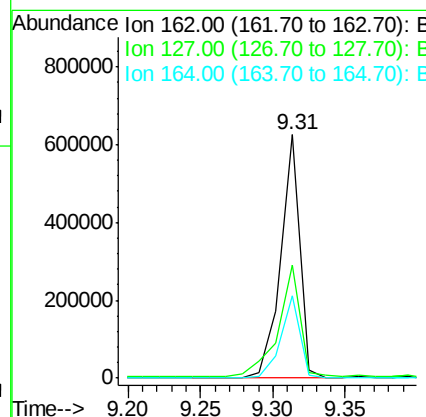
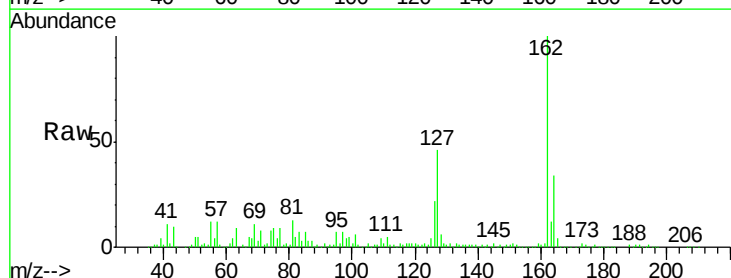
RT: 9.31 min Scan# 676

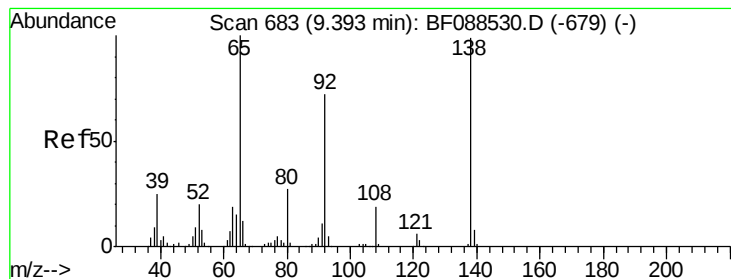
Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	162	Resp:	570763
Ion Ratio	Lower	Upper	
162	100		
127	46.5	35.2	52.8
164	33.6	26.6	39.8





#47

2-Nitroaniline

Concen: 57.60 ng

RT: 9.40 min Scan# 684

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

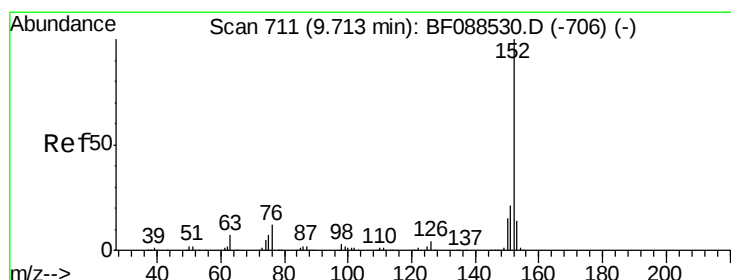
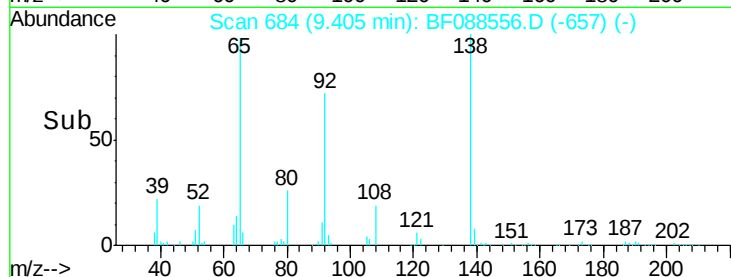
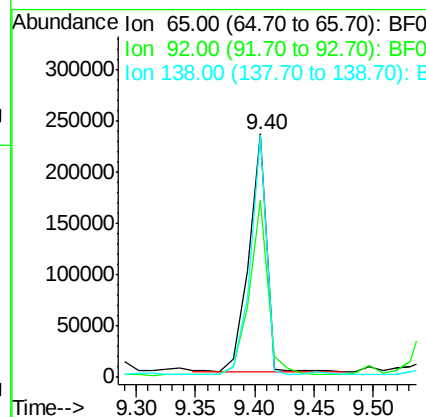
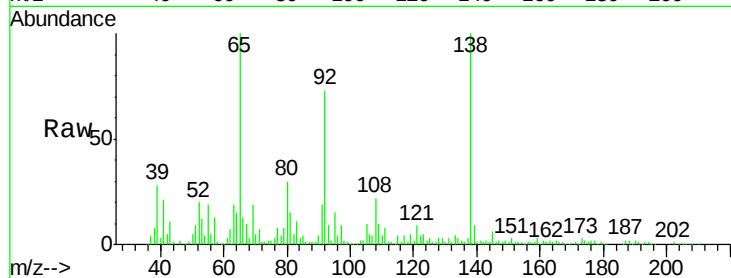
B1409-TP03E-1224MSD

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

Manual Integrations

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#48

Acenaphthylene

Concen: 43.19 ng

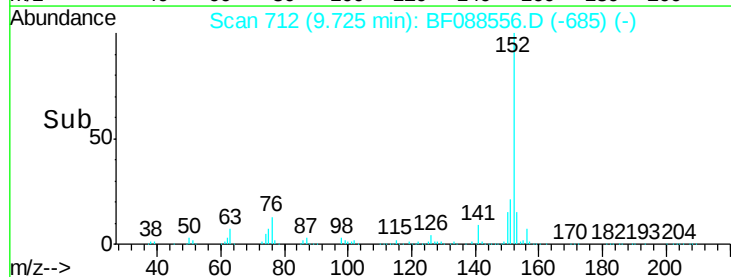
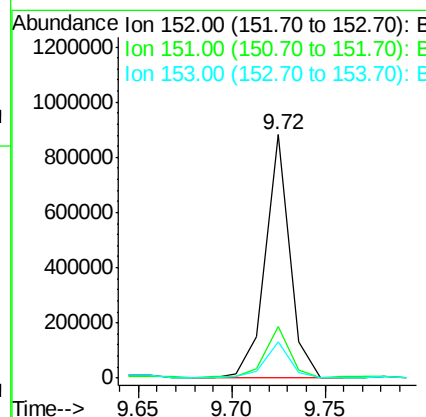
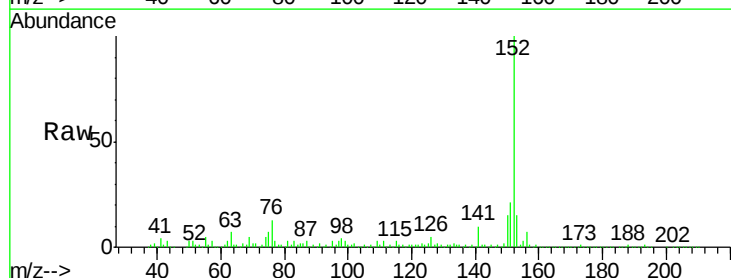
RT: 9.72 min Scan# 712

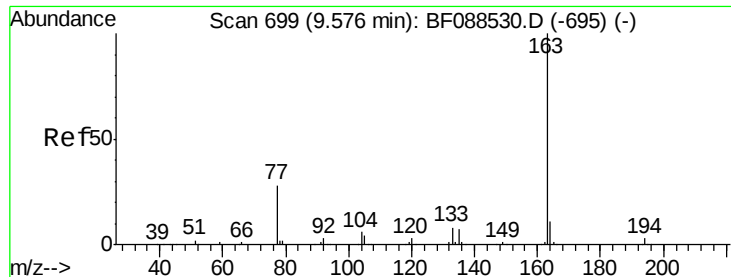
Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

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





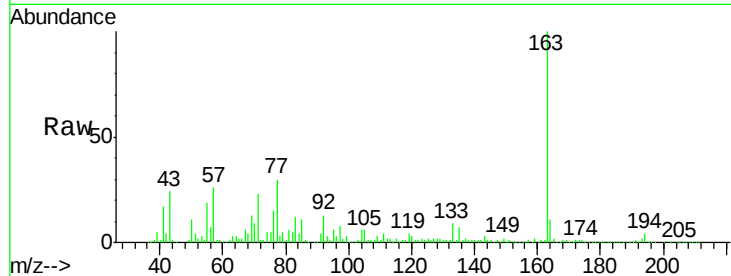
#49
Dimethylphthalate
Concen: 63.06 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

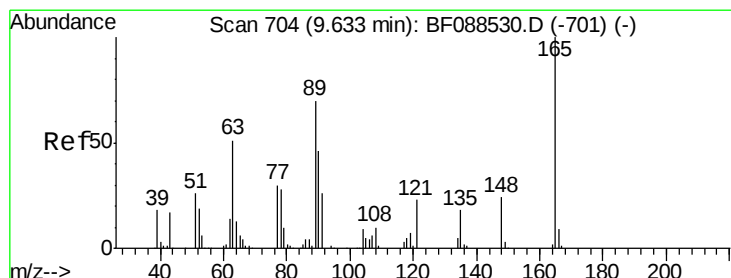
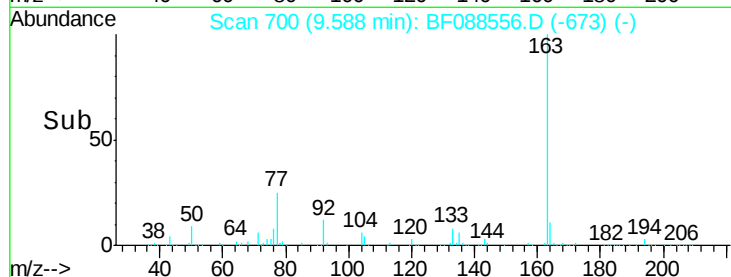
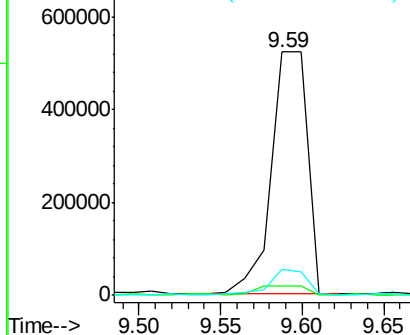
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	10.8	8.3	12.5

Manual Integrations

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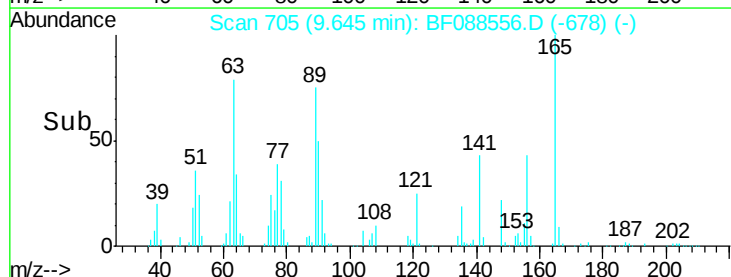
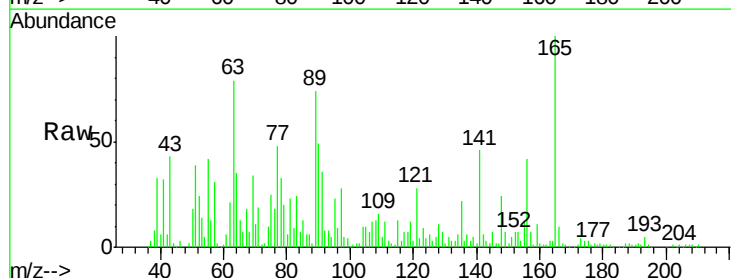
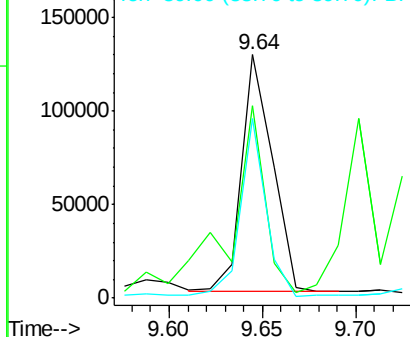
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

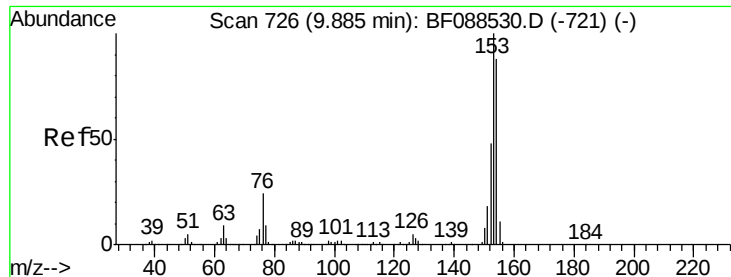


#50
2,6-Dinitrotoluene
Concen: 51.46 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

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

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





#51

Acenaphthene

Concen: 45.09 ng

RT: 9.90 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:154 Resp: 514280

Ion Ratio Lower Upper

154 100

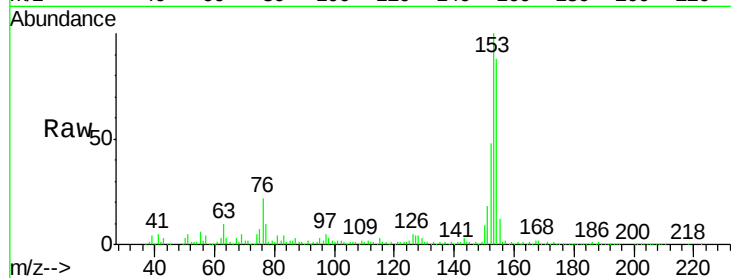
153 114.2 89.5 134.3

152 55.2 42.7 64.1

Manual Integrations

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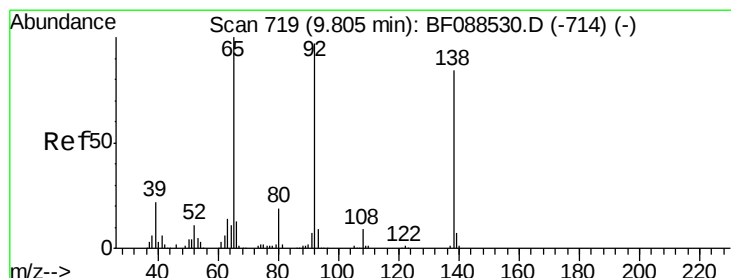
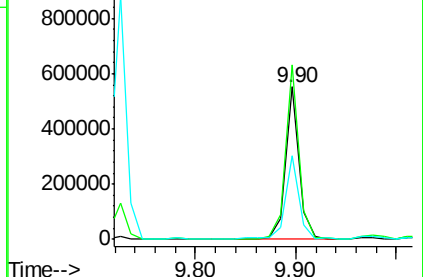
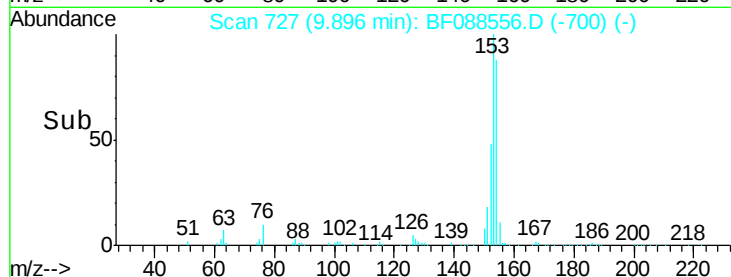
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 31.48 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

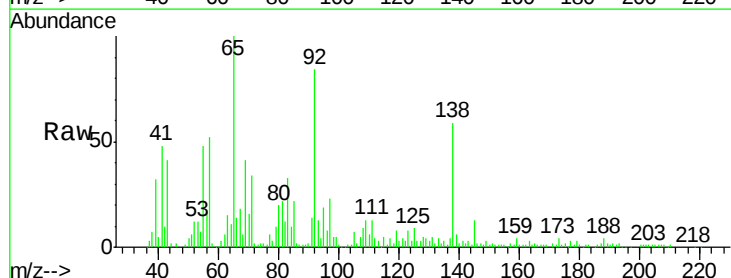
Tgt Ion:138 Resp: 113648

Ion Ratio Lower Upper

138 100

108 15.6 8.5 12.7#

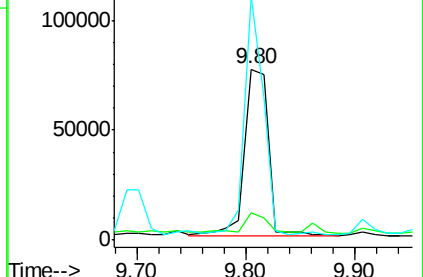
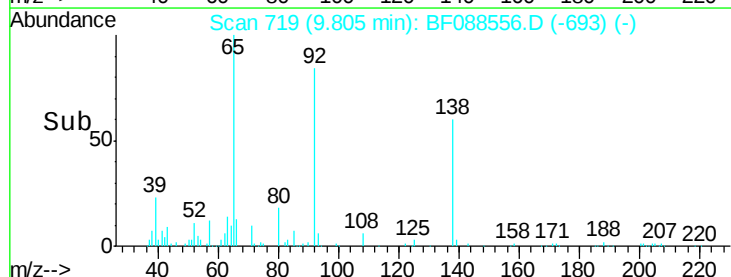
92 142.4 95.7 143.5

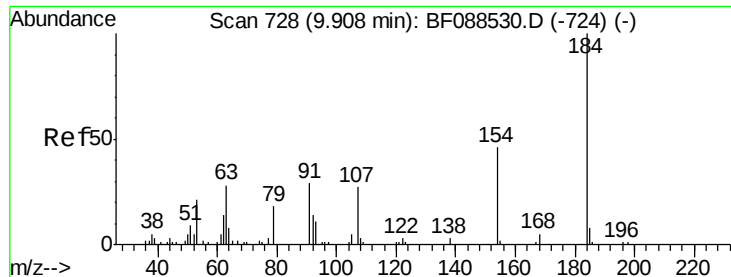


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





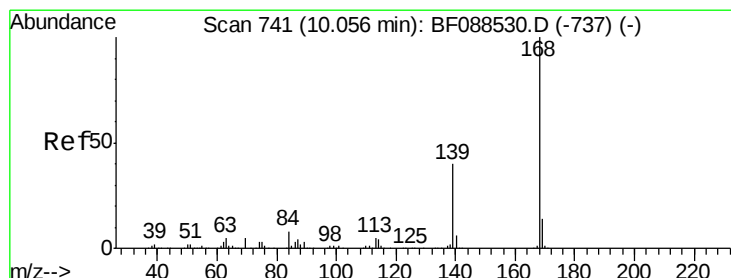
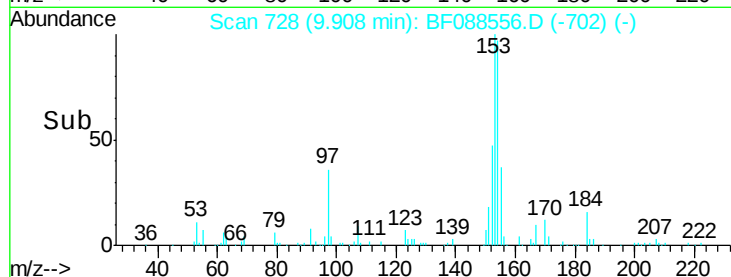
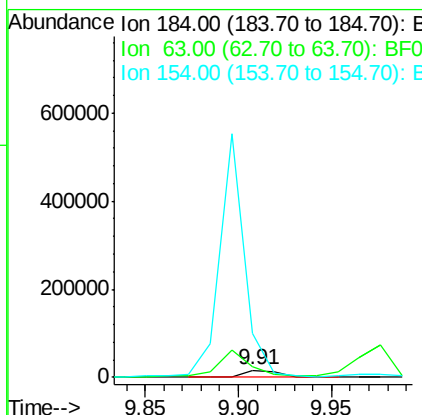
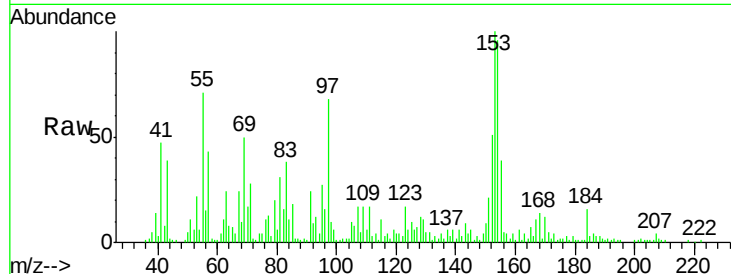
#53
2,4-Dinitrophenol
Concen: 17.06 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	149.8	57.6	86.4#
154	607.8	53.5	80.3#

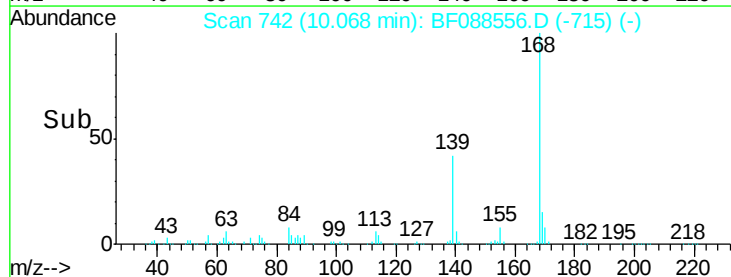
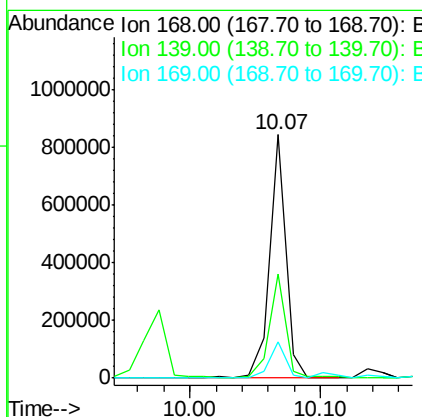
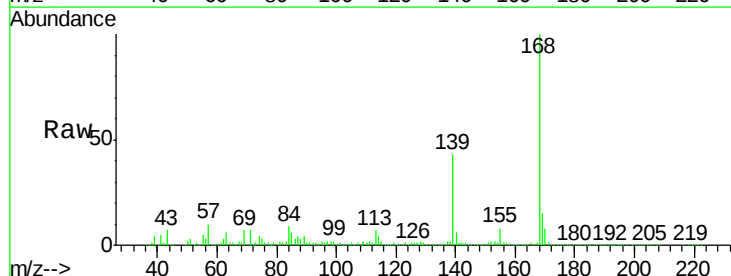
Manual Integrations

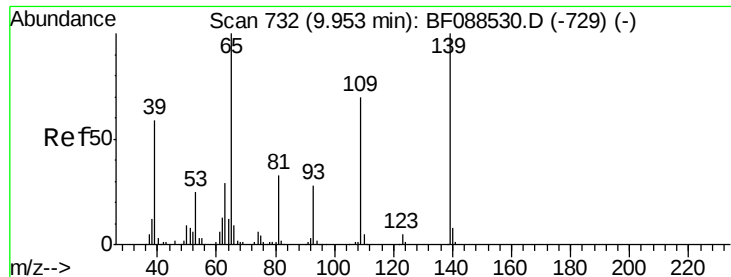
sohil
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#54
Dibenzofuran
Concen: 49.65 ng
RT: 10.07 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

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





#55

4-Nitrophenol

Concen: 98.59 ng

RT: 9.98 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

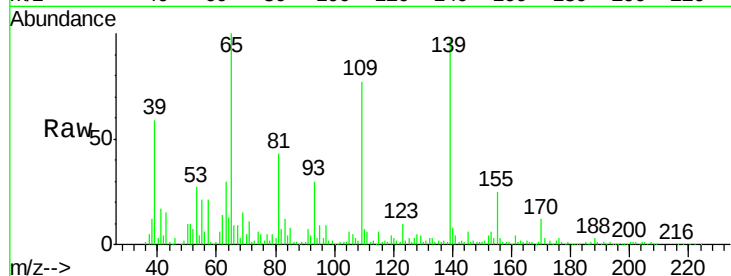
B1409-TP03E-1224MSD

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

Manual Integrations

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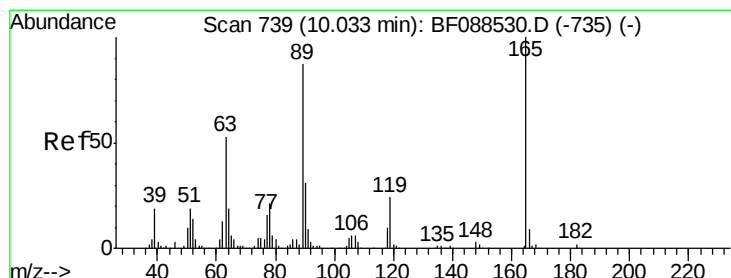
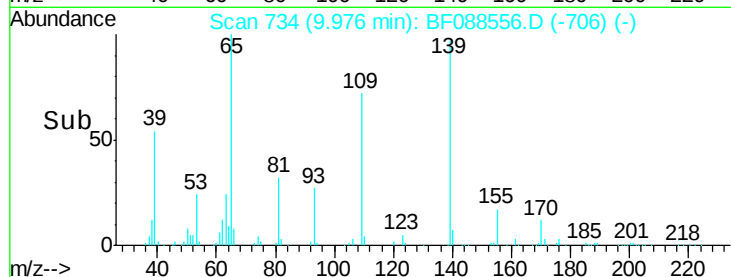
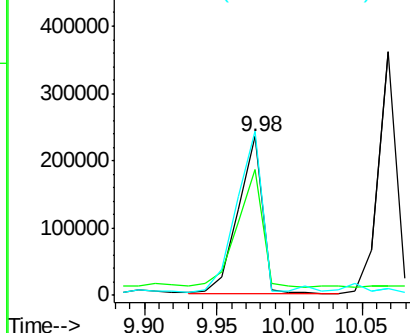
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 50.32 ng

RT: 10.04 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

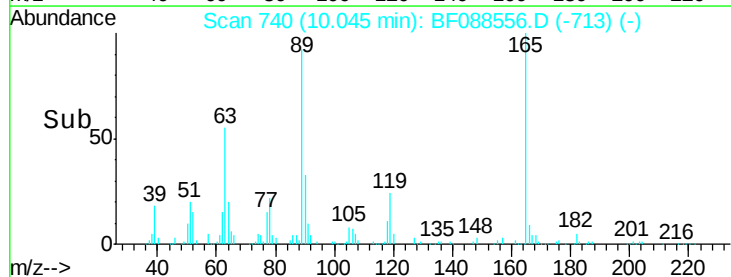
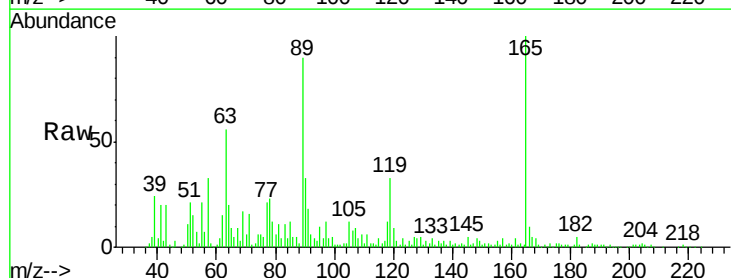
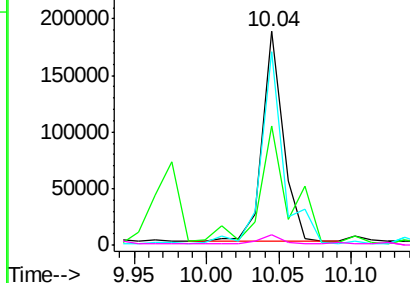
Tgt Ion:	165	Resp:	186868
Ion Ratio	Lower	Upper	
165	100		
63	56.0	22.0	33.0#
89	90.4	41.1	61.7#
182	4.9	2.0	3.0#

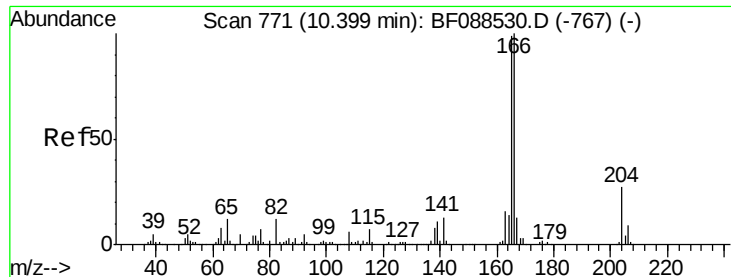
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





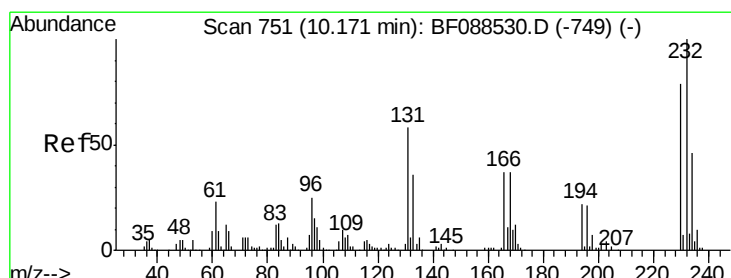
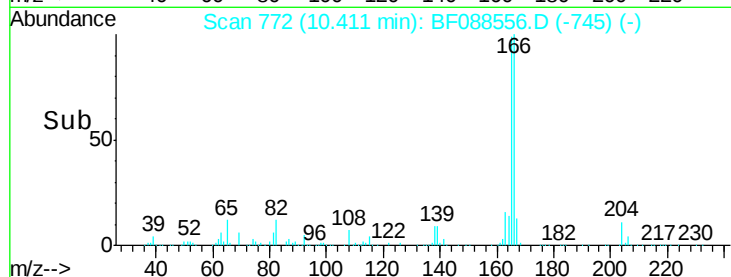
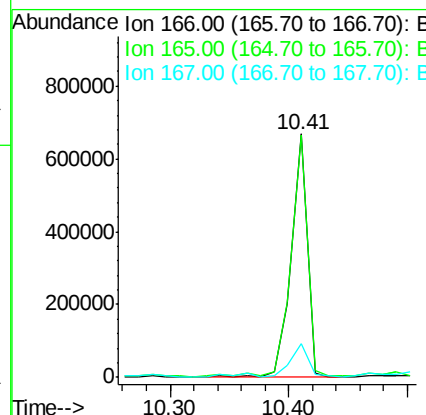
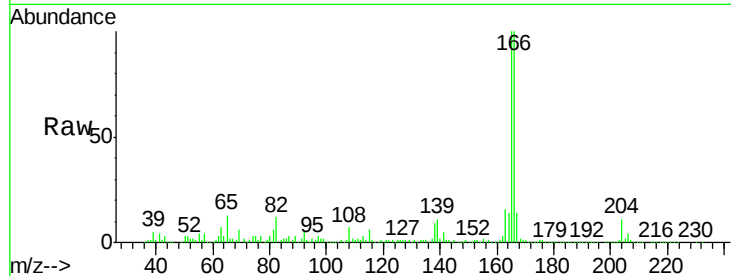
#57
 Fluorene
 Concen: 53.88 ng
 RT: 10.41 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.8	116.8
167	13.7	11.2	16.8

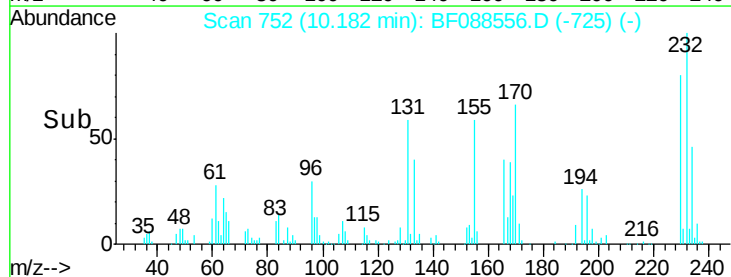
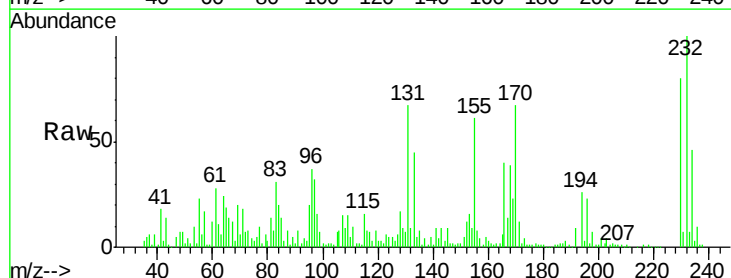
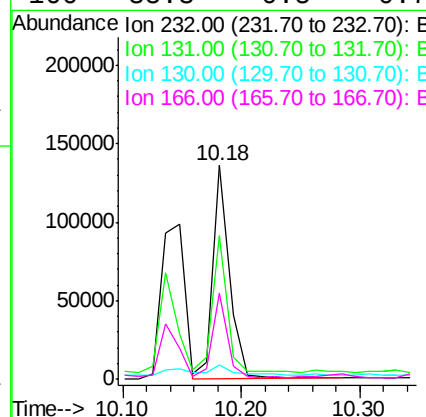
Manual Integrations

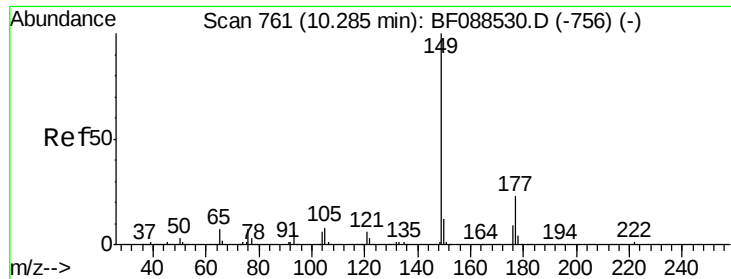
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 50.18 ng
 RT: 10.18 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
232	100		
131	59.7	0.9	1.3#
130	6.0	1.5	2.3#
166	35.3	0.5	0.7#





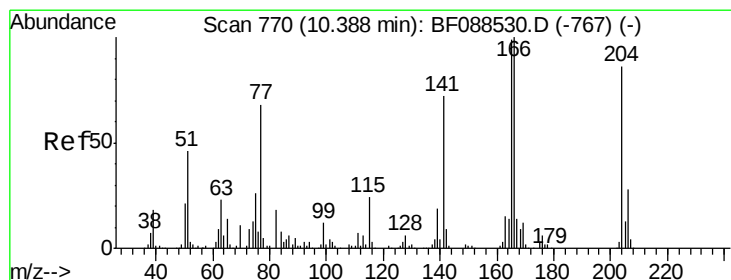
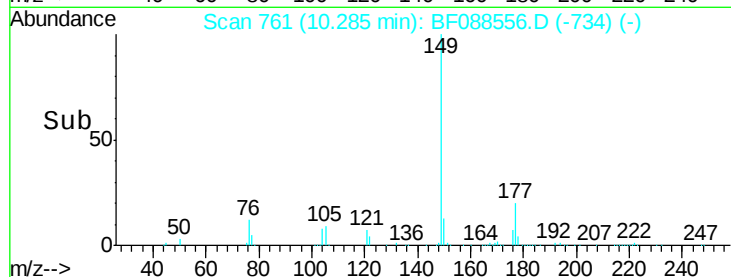
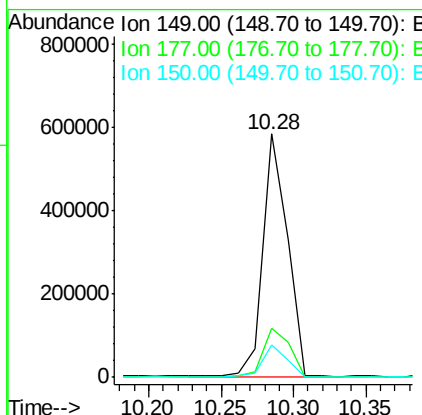
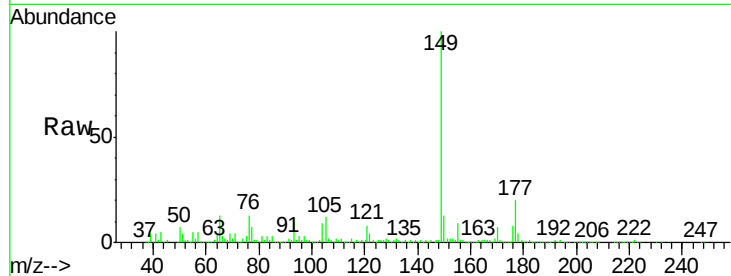
#59
Diethylphthalate
Concen: 52.61 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.0	16.9	25.3
150	13.2	10.1	15.1

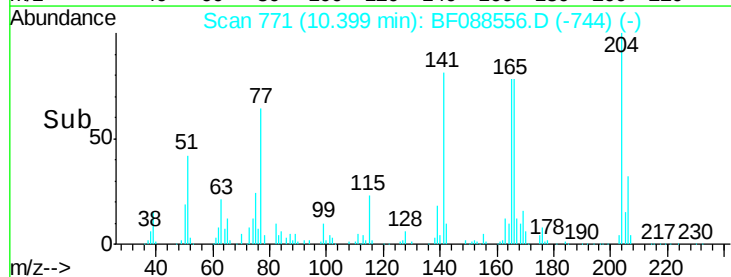
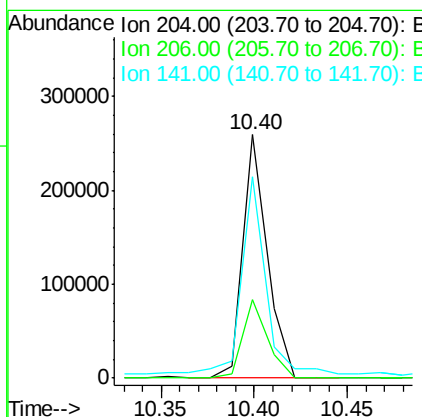
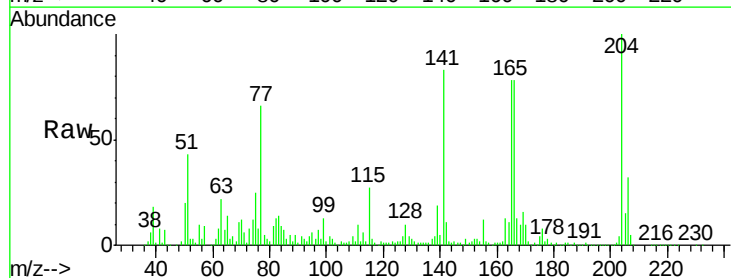
Manual Integrations

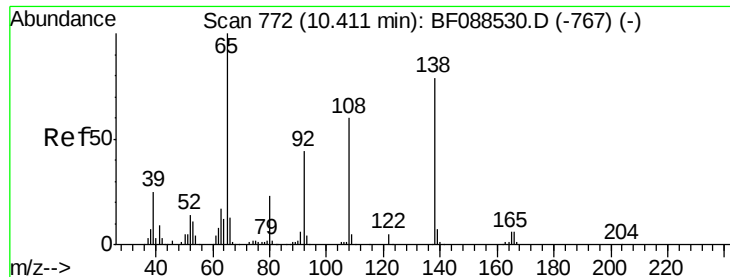
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#60
4-Chlorophenyl-phenylether
Concen: 44.39 ng
RT: 10.40 min Scan# 771
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	82.8	55.0	82.6





#61

4-Nitroaniline

Concen: 43.00 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

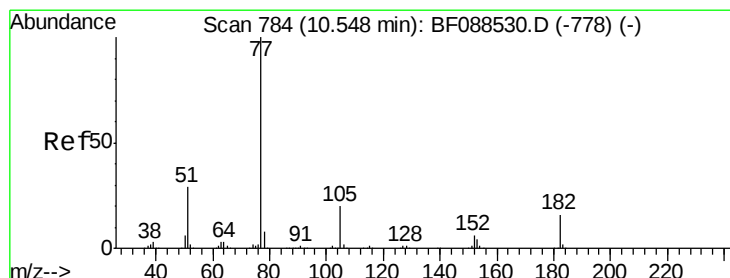
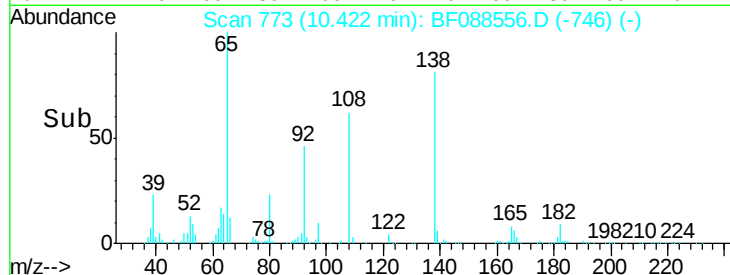
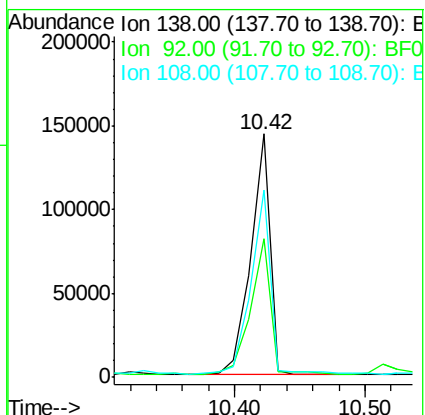
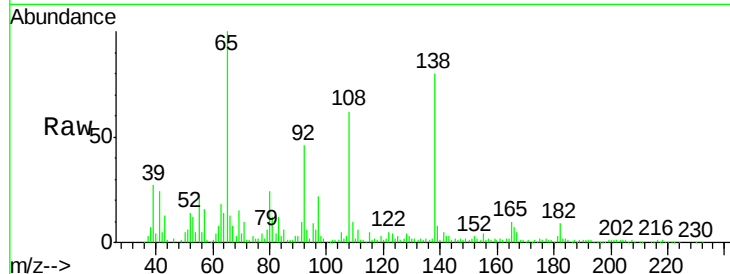
B1409-TP03E-1224MSD

Tot Ion:	138	Resp:	149395
Ion Ratio	Lower	Upper	
138	100		
92	57.2	27.3	67.3
108	77.2	46.7	86.7

Manual Integrations

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#62

Azobenzene

Concen: 50.11 ng

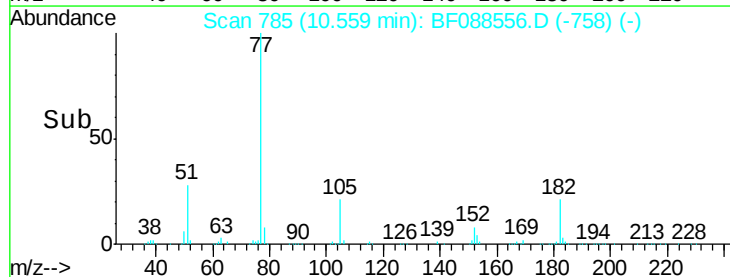
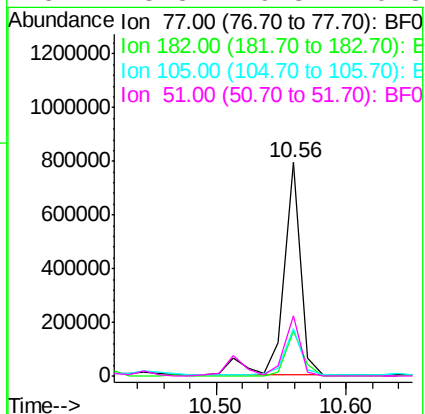
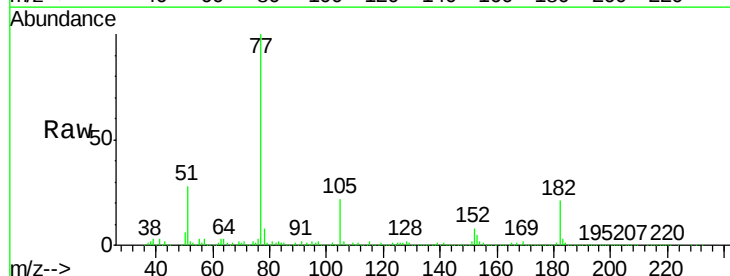
RT: 10.56 min Scan# 785

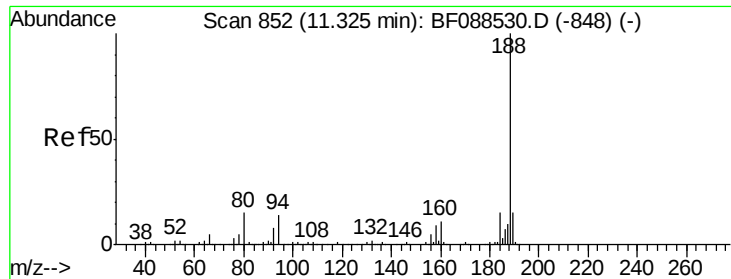
Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	77	Resp:	735106
Ion Ratio	Lower	Upper	
77	100		
182	20.8	4.4	44.4
105	22.0	3.8	43.8
51	28.3	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:188 Resp: 300364

Ion Ratio Lower Upper

188 100

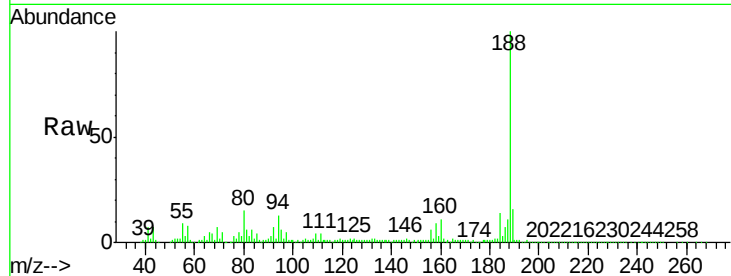
94 12.7 9.0 13.6

80 14.8 10.0 15.0

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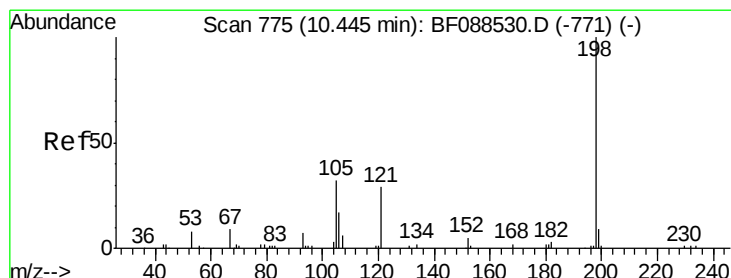
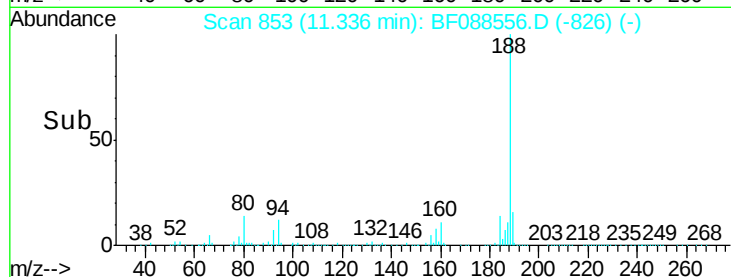
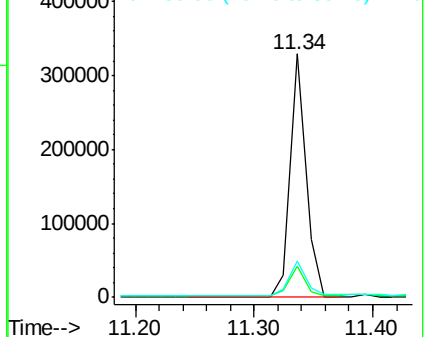
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 16.61 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

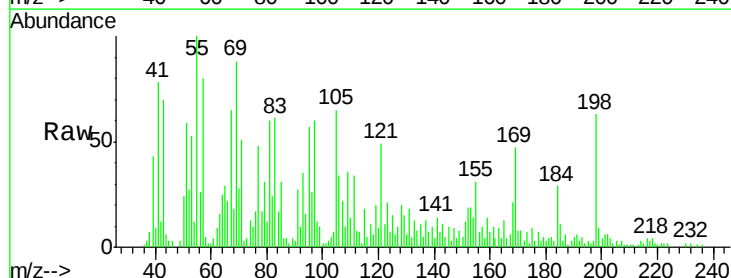
Tgt Ion:198 Resp: 26692

Ion Ratio Lower Upper

198 100

51 93.0 39.6 79.6#

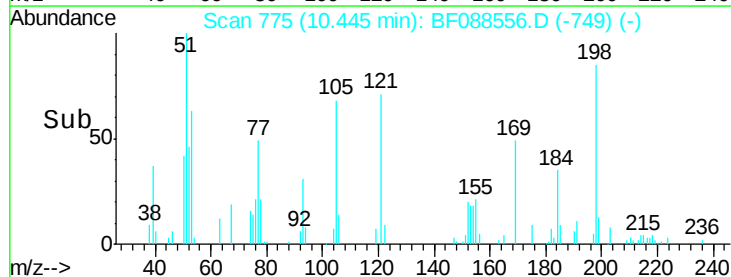
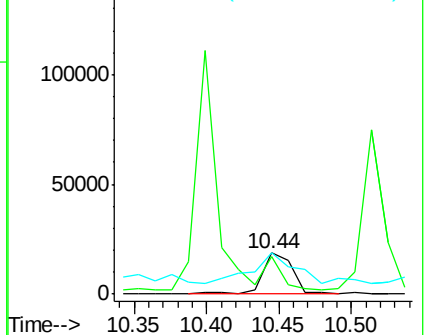
105 102.4 36.6 76.6#

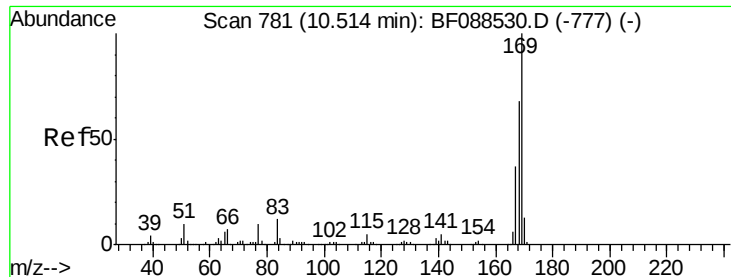


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 54.71 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:169 Resp: 556177

Ion Ratio Lower Upper

169 100

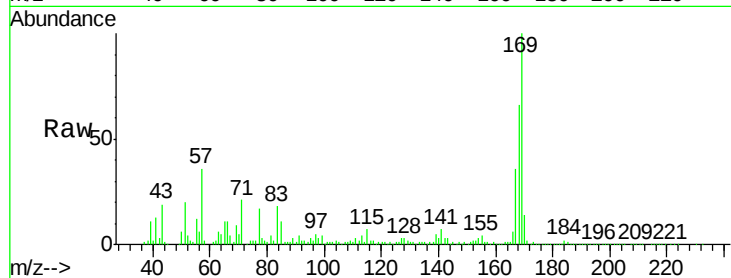
168 65.7 53.4 80.0

167 36.2 29.4 44.0

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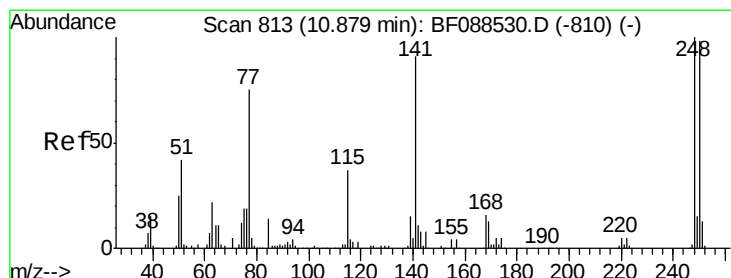
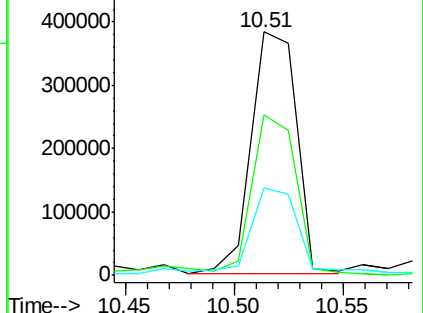
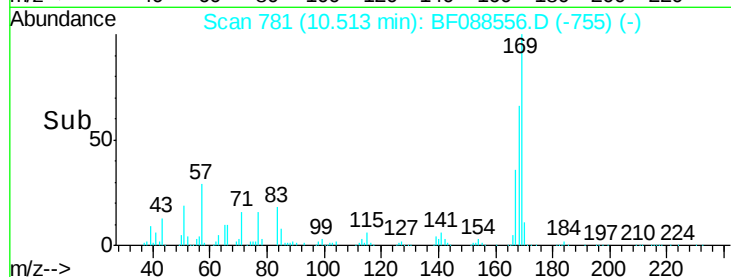
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 53.06 ng

RT: 10.89 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

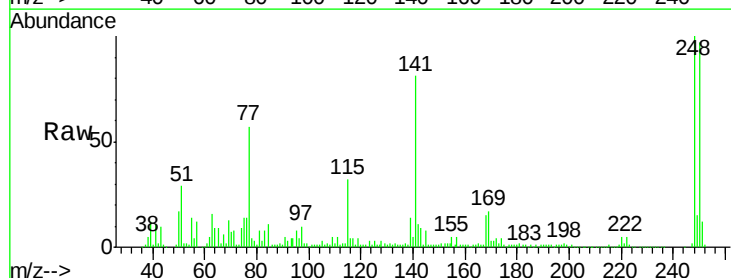
Tgt Ion:248 Resp: 160621

Ion Ratio Lower Upper

248 100

250 96.5 77.1 115.7

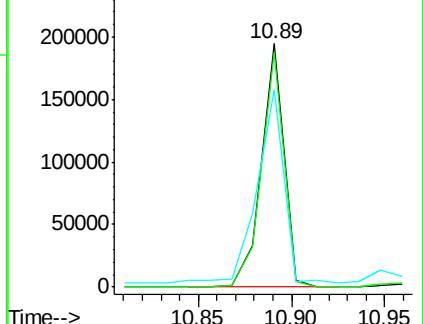
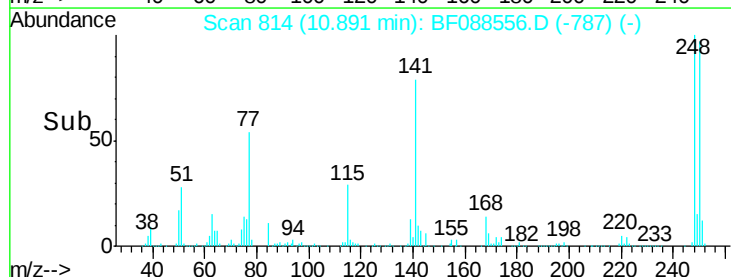
141 81.4 50.6 76.0#

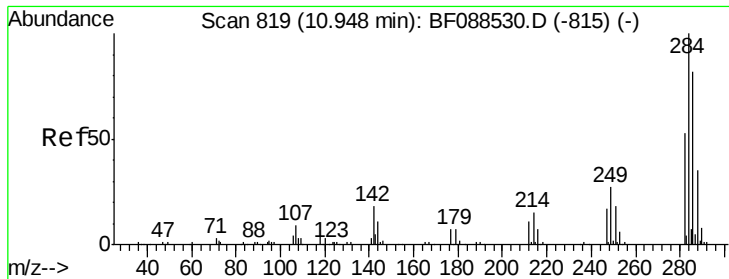


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





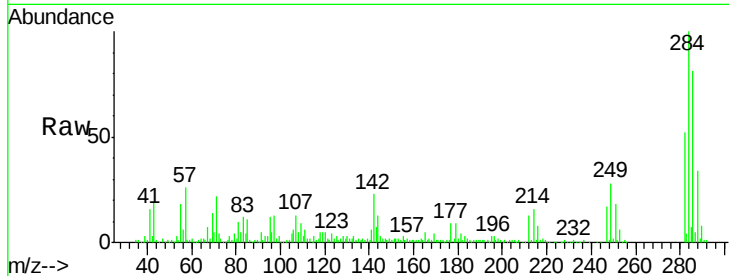
#67
Hexachlorobenzene
Concen: 48.52 ng
RT: 10.96 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

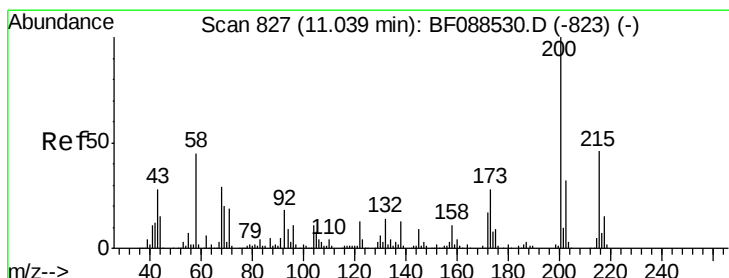
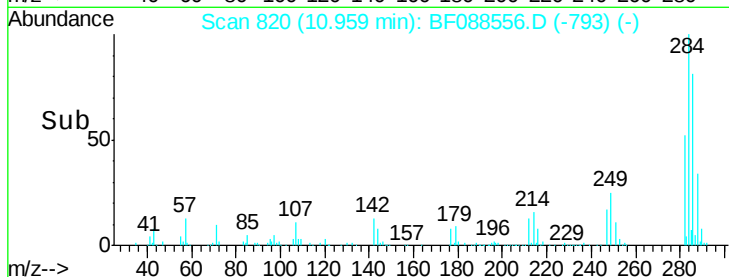
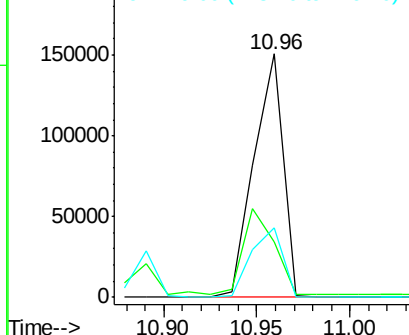
Tot Ion	Ratio	Lower	Upper
284	100		
142	22.6	35.8	53.8#
249	28.5	25.8	38.6

Manual Integrations

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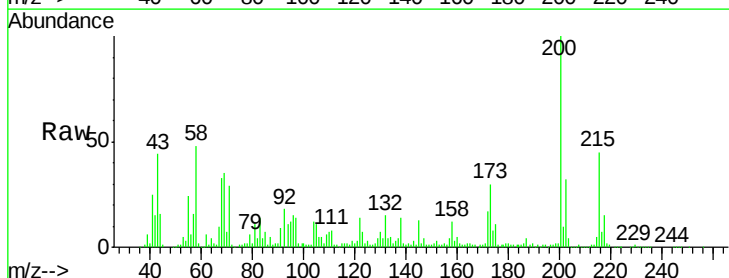


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

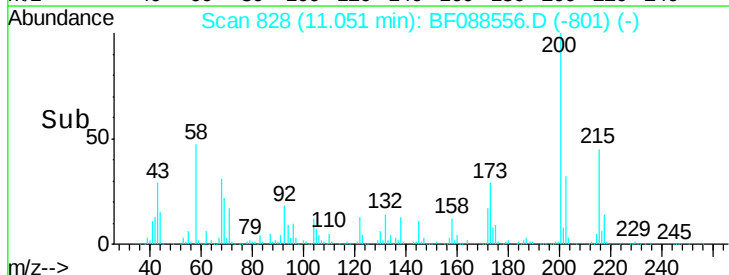
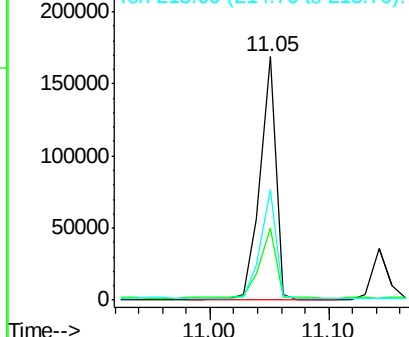


#68
Atrazine
Concen: 51.26 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

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



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





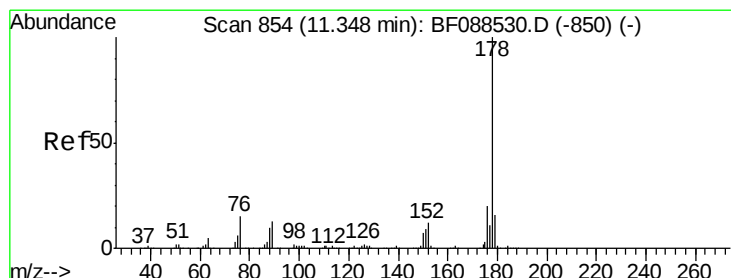
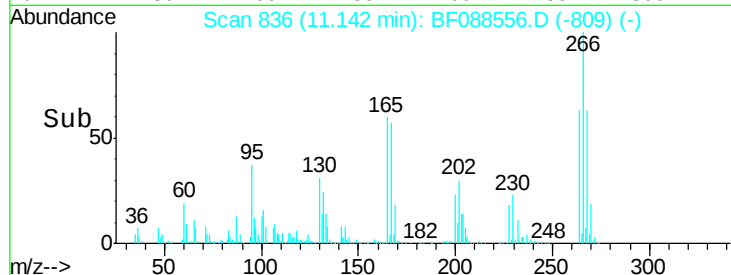
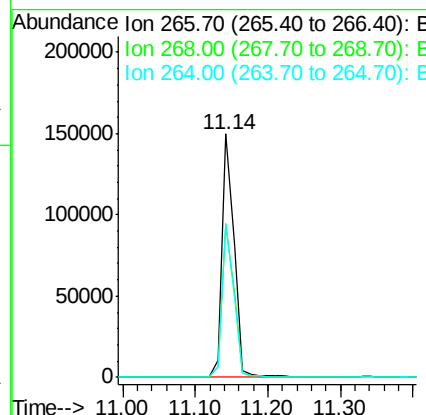
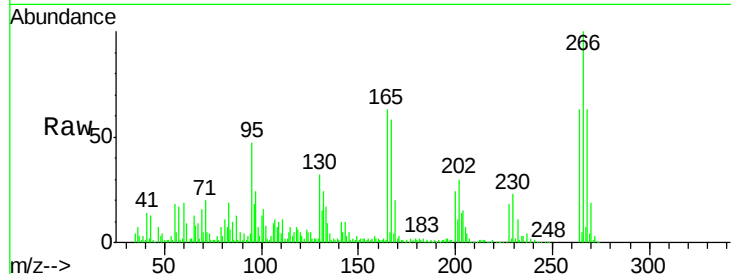
#69
 Pentachlorophenol
 Concen: 87.71 ng
 RT: 11.14 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.0	52.8	79.2
264	63.1	49.6	74.4

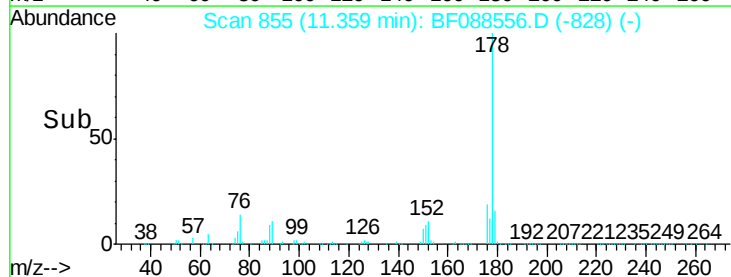
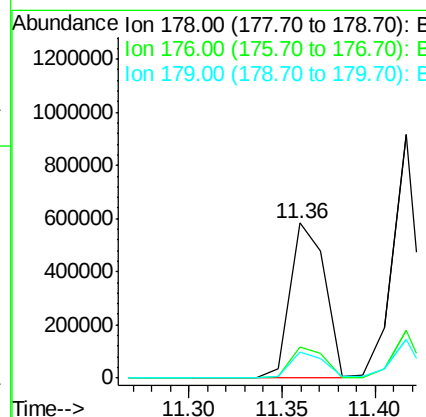
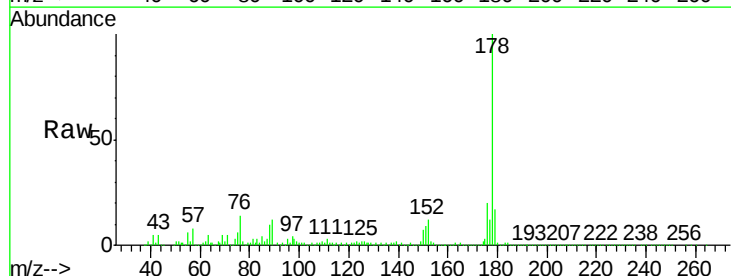
Manual Integrations

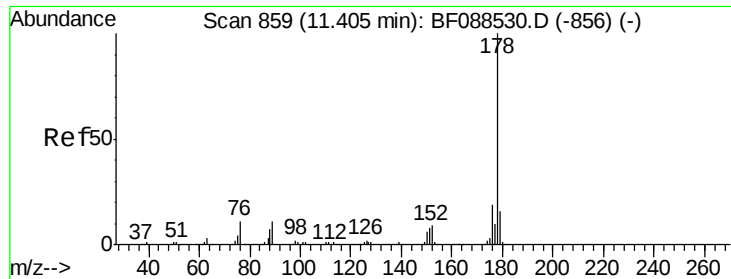
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#70
 Phenanthrene
 Concen: 45.68 ng
 RT: 11.36 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

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





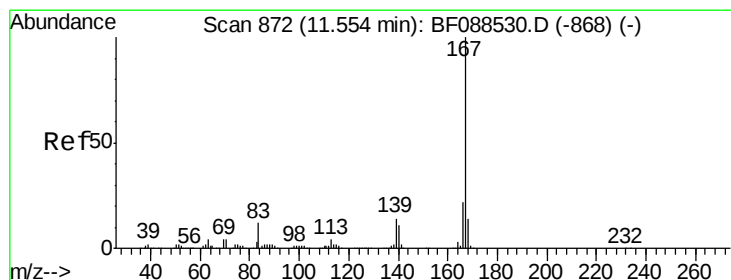
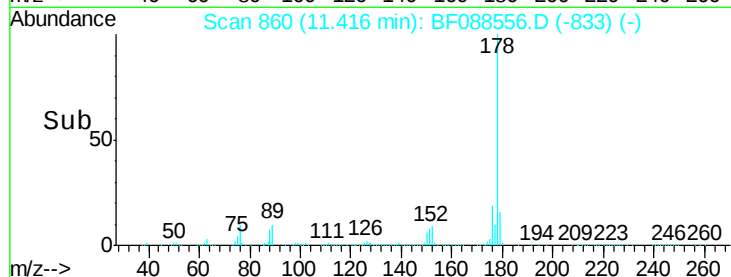
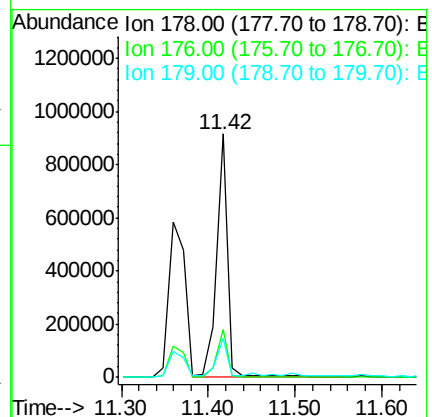
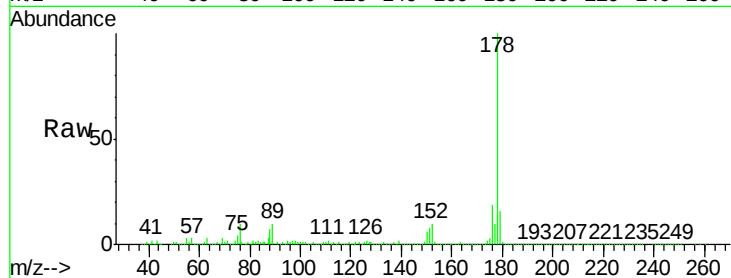
#71
 Anthracene
 Concen: 49.21 ng
 RT: 11.42 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.9	12.8	19.2

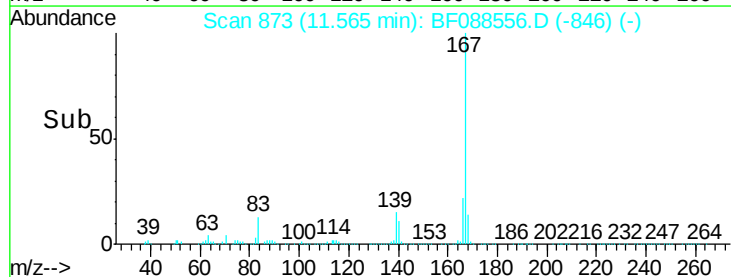
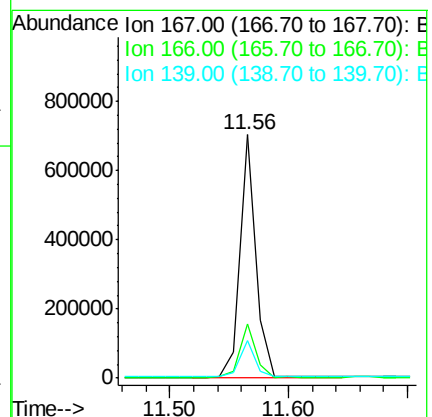
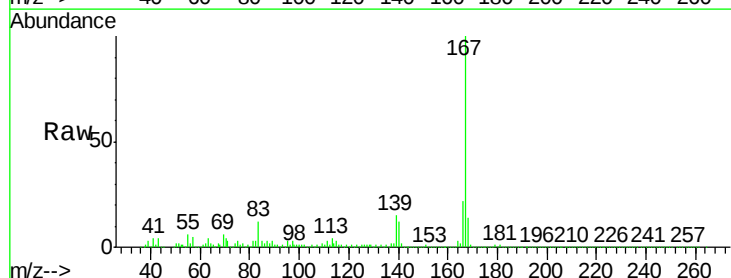
Manual Integrations

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

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





#73

Di-n-butylphthalate

Concen: 46.72 ng

RT: 11.91 min Scan# 903

Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

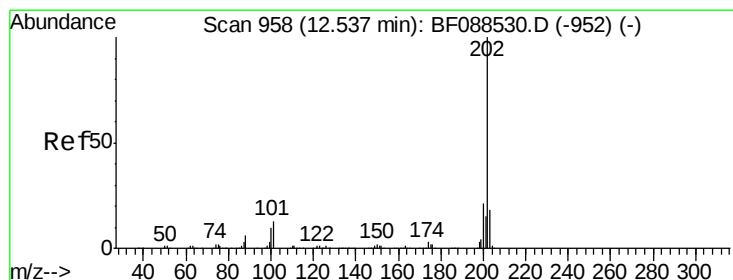
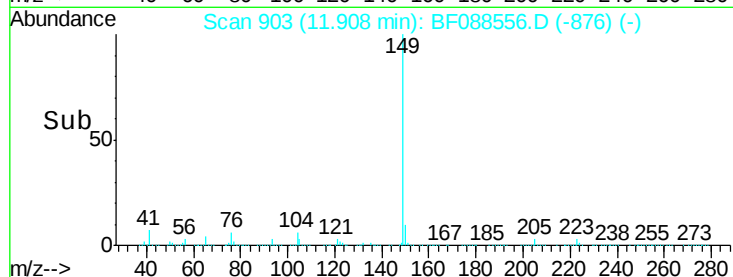
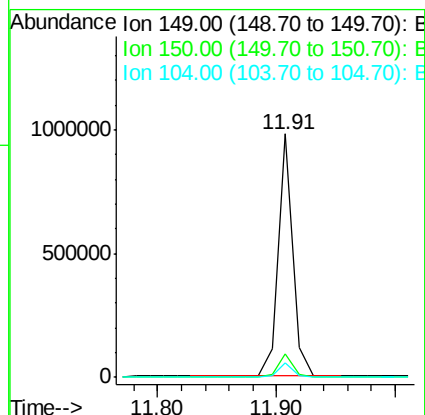
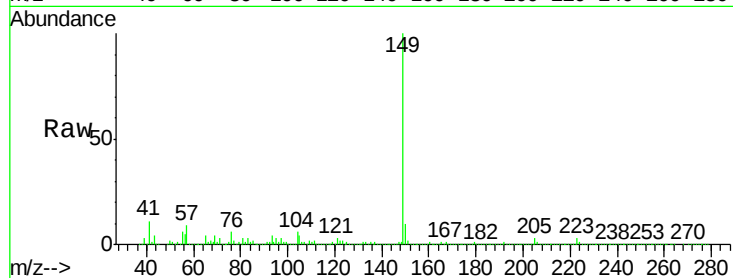
B1409-TP03E-1224MSD

Tot Ion:	149	Resp:	835009
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.8	11.6
104	5.9	4.0	6.0

Manual Integrations

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#74

Fluoranthene

Concen: 42.32 ng

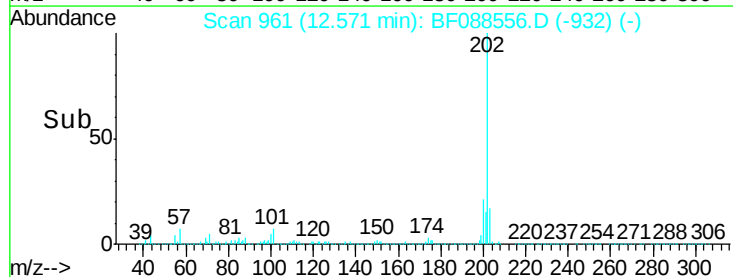
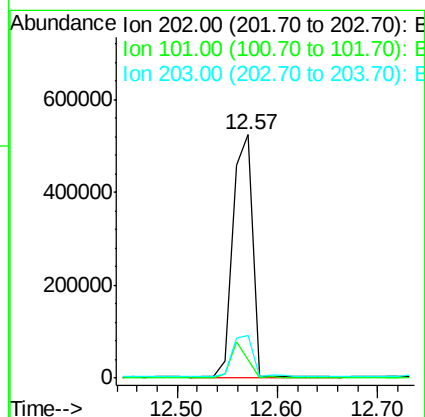
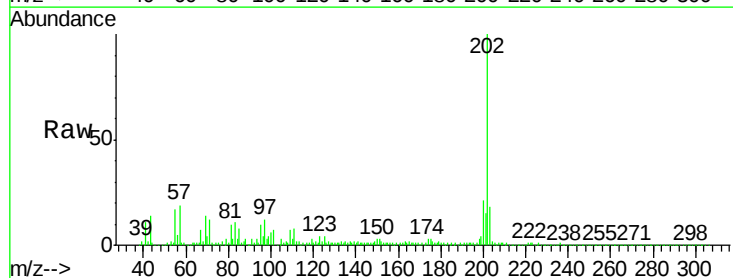
RT: 12.57 min Scan# 961

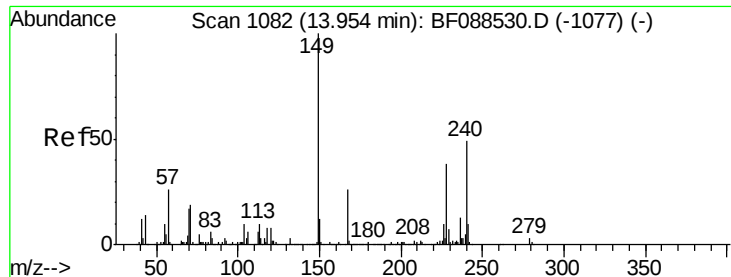
Delta R.T. 0.03 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	202	Resp:	704405
Ion Ratio	Lower	Upper	
202	100		
101	7.5	0.0	33.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BF088556.D

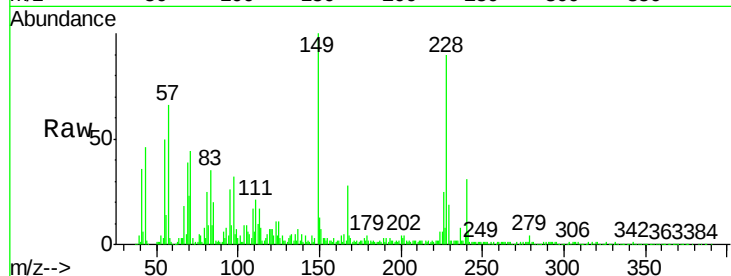
Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

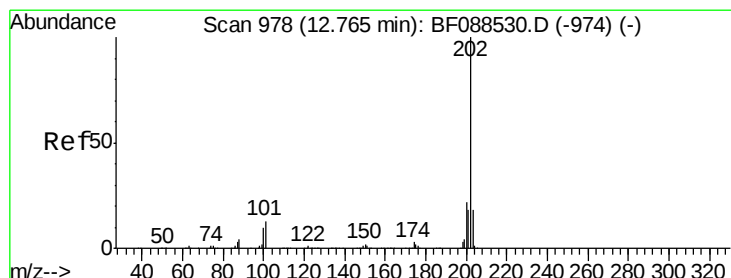
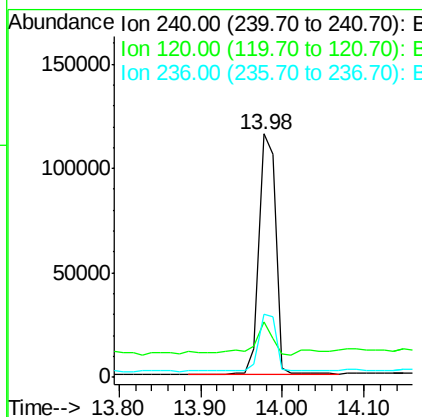


Tot Ion:	240	Resp:	166564
Ion Ratio	Lower	Upper	
240	100		
120	22.7	6.8	10.2#
236	26.0	20.2	30.2

Manual Integrations

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#77

Pyrene

Concen: 44.60 ng

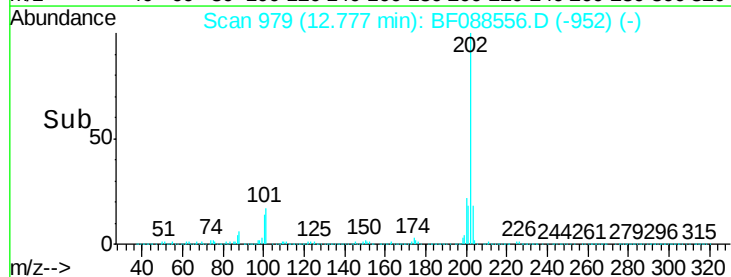
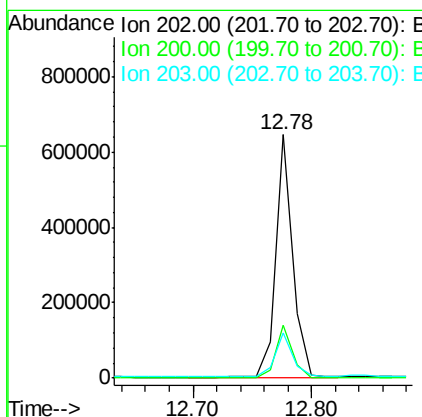
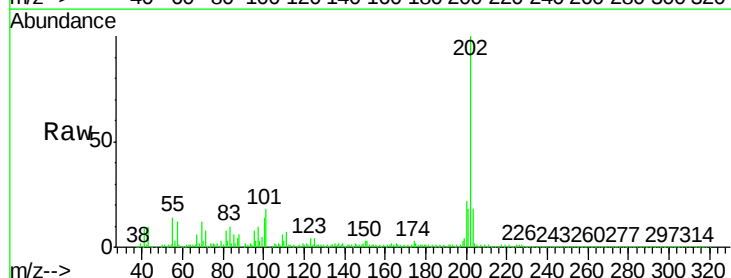
RT: 12.78 min Scan# 979

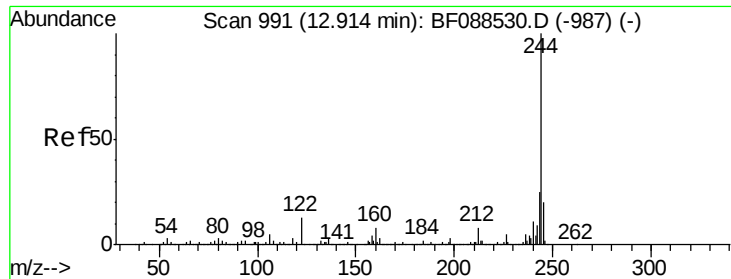
Delta R.T. 0.01 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	202	Resp:	629879
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.5	14.5	21.7





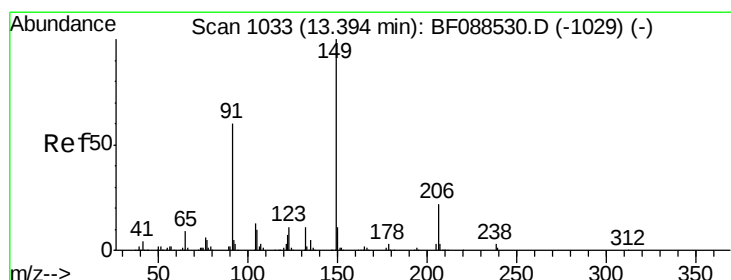
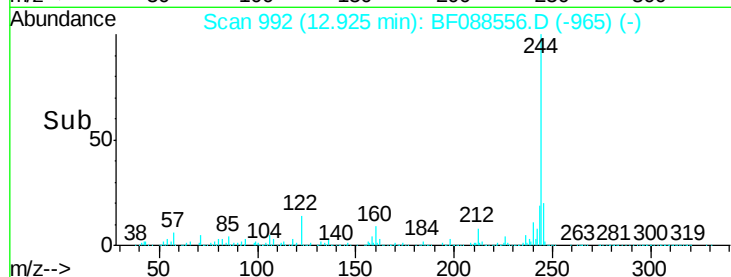
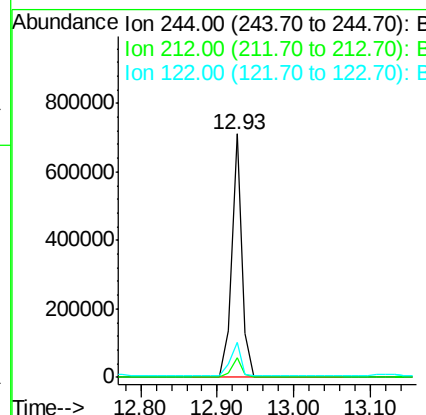
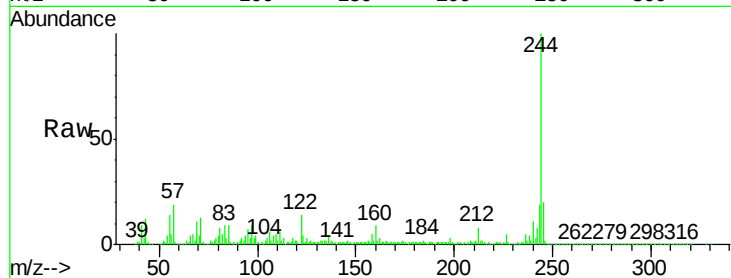
#78
 Terphenyl-d14
 Concen: 89.92 ng
 RT: 12.93 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	14.2	11.2	16.8

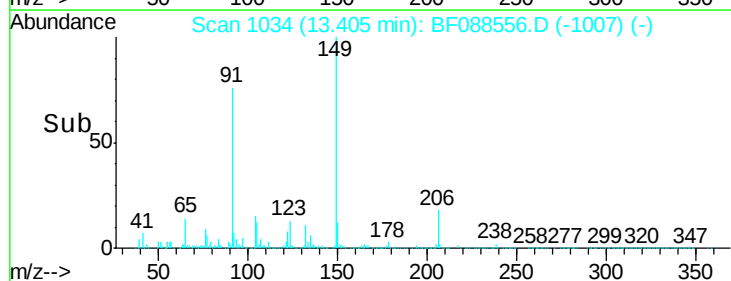
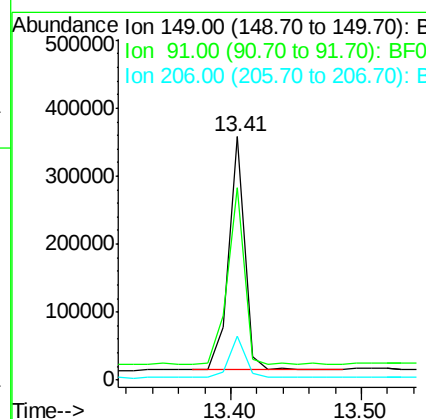
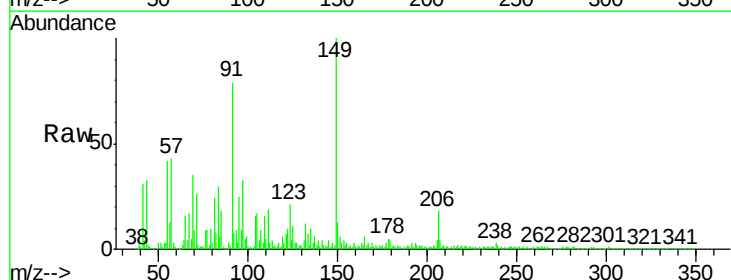
Manual Integrations

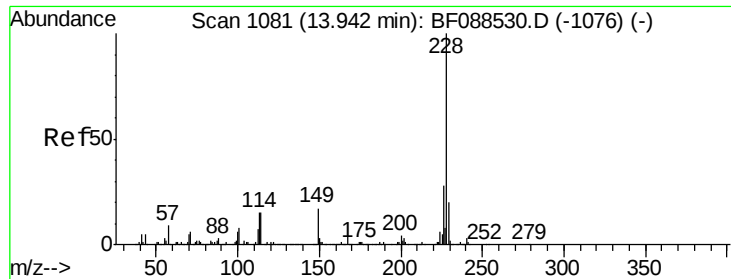
sohil
 7/1/2016 6:59:34 PM



#79
 Butylbenzylphthalate
 Concen: 47.09 ng
 RT: 13.41 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: BF088556.D
 Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.1	48.0	72.0#
206	18.1	16.0	24.0





#80

Benzo(a)anthracene

Concen: 45.34 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.03 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

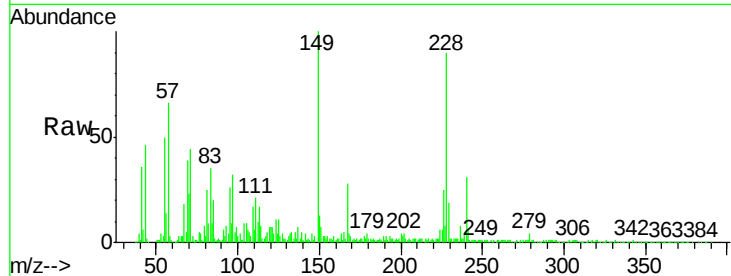
B1409-TP03E-1224MSD

Tot Ion:	228	Resp:	486249
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	20.8	16.0	24.0

Manual Integrations

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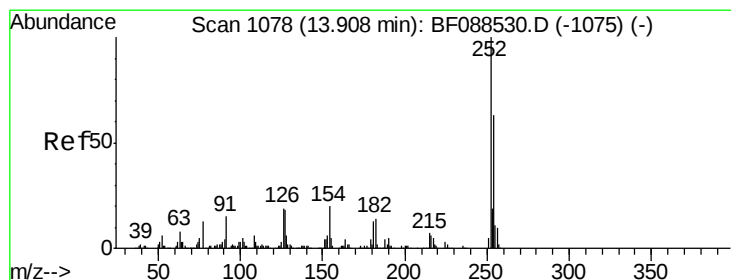
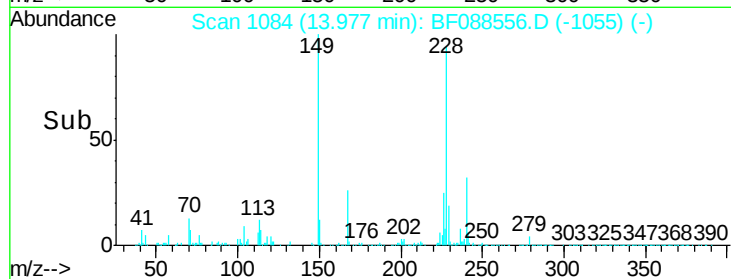
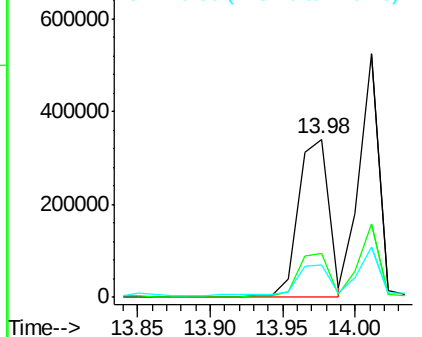
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 20.56 ng

RT: 13.93 min Scan# 1080

Delta R.T. 0.02 min

Lab File: BF088556.D

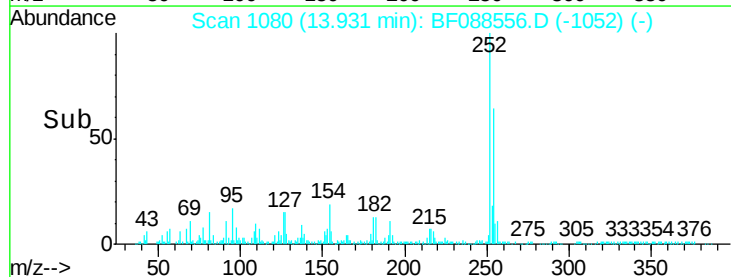
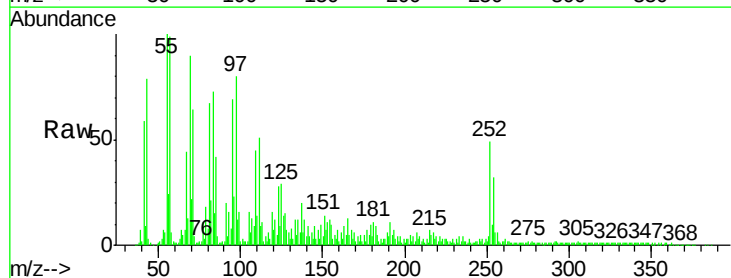
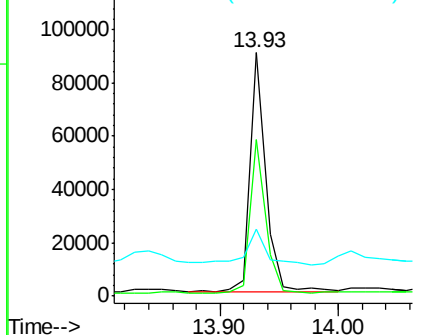
Acq: 1 Jul 2016 4:13

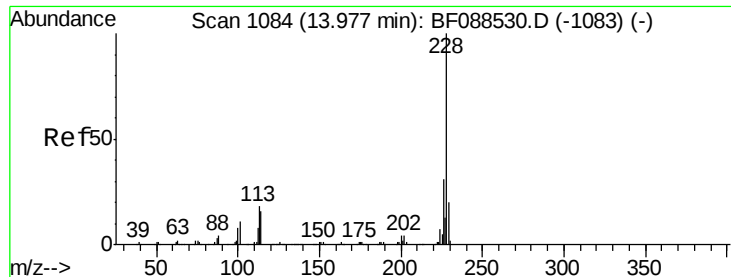
Tgt Ion:	252	Resp:	82888
Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.6	78.8
126	27.6	6.2	9.2#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrvsene

Concen: 46.37 ng

RT: 14.01 min Scan# 1087

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224MSD

Tot Ion:228 Resp: 492006

Ion Ratio Lower Upper

228 100

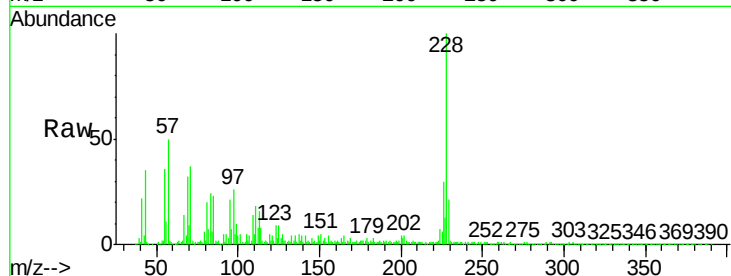
226 30.3 25.4 38.2

229 20.6 16.3 24.5

Manual Integrations

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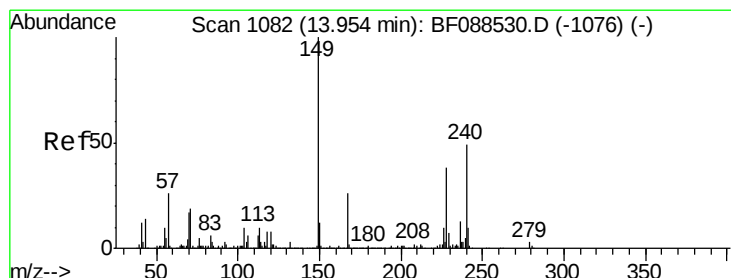
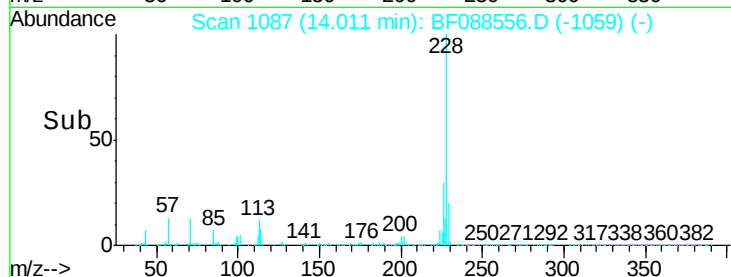
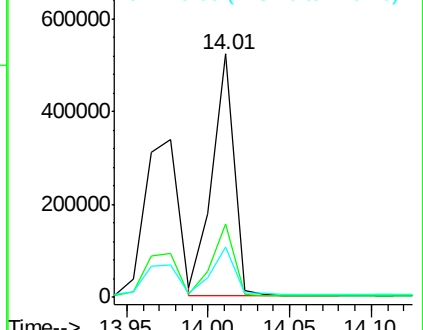
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 47.75 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

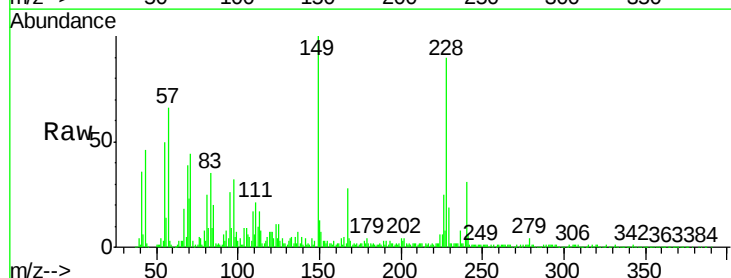
Tgt Ion:149 Resp: 343405

Ion Ratio Lower Upper

149 100

167 27.5 20.5 30.7

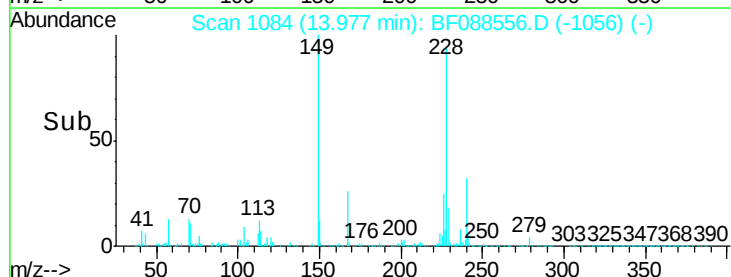
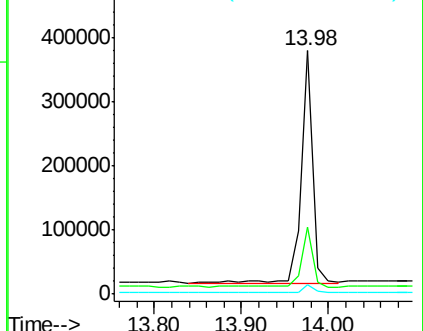
279 4.1 2.0 3.0#

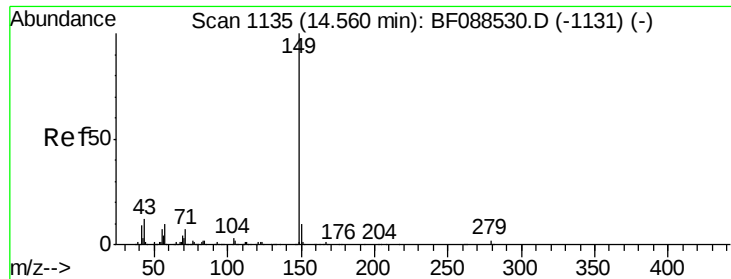


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 41.87 ng

RT: 14.59 min Scan# 1138

Delta R.T. 0.03 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Instrument :

BNA_F

ClientSampleId :

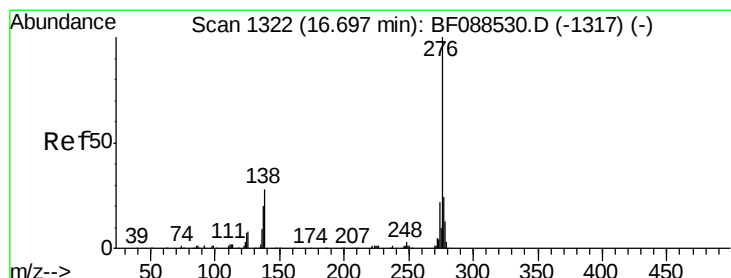
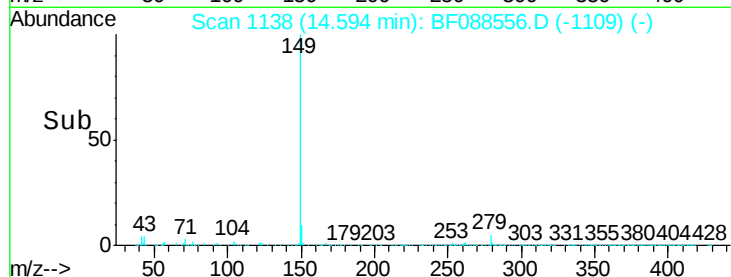
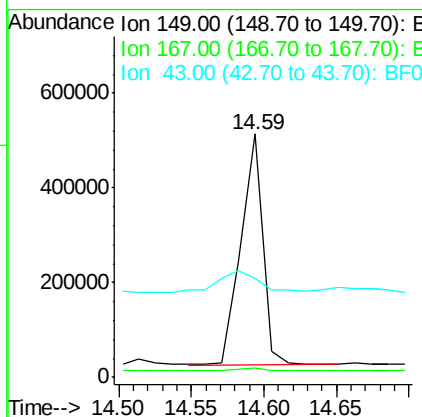
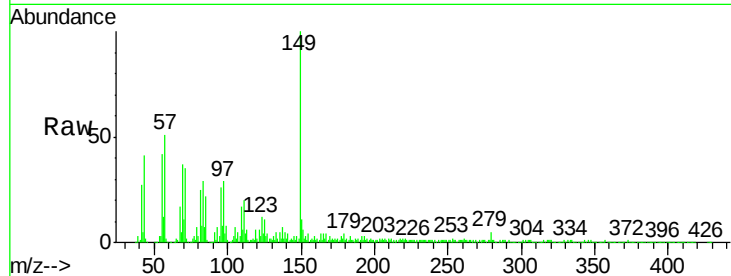
B1409-TP03E-1224MSD

Tot Ion:	149	Resp:	511533
Ion Ratio	Lower	Upper	
149	100		
167	1.9	0.0	0.0#
43	20.2	0.0	0.0#

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 55.82 ng

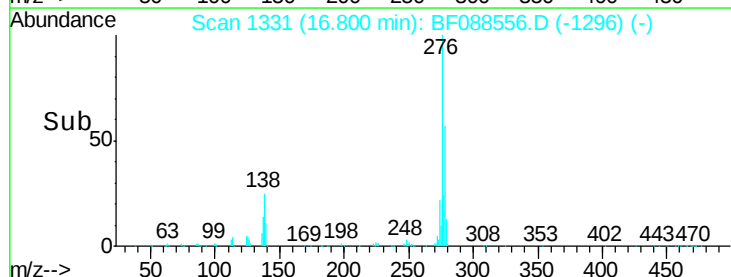
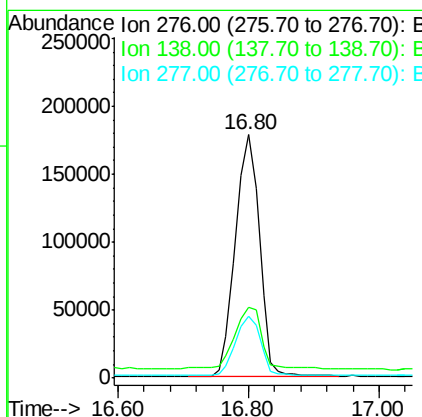
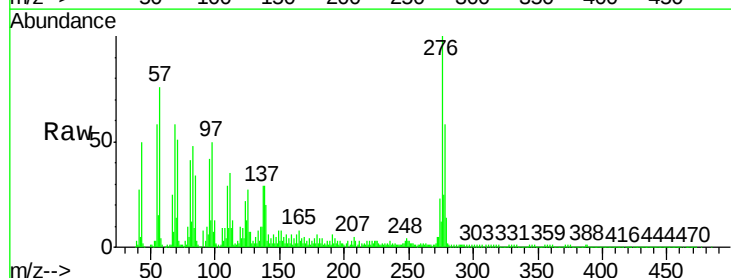
RT: 16.80 min Scan# 1331

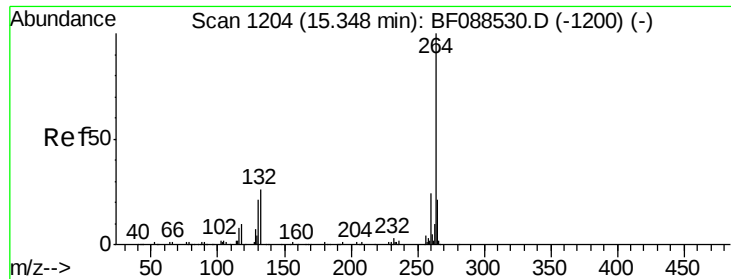
Delta R.T. 0.10 min

Lab File: BF088556.D

Acq: 1 Jul 2016 4:13

Tgt Ion:	276	Resp:	455746
Ion Ratio	Lower	Upper	
276	100		
138	29.0	0.0	0.0#
277	25.6	0.0	0.0#





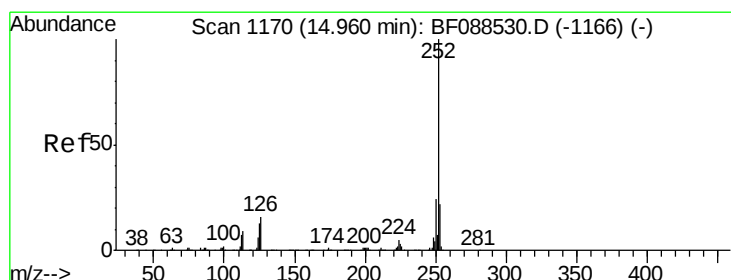
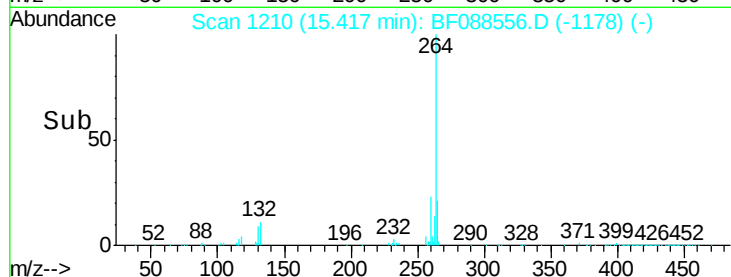
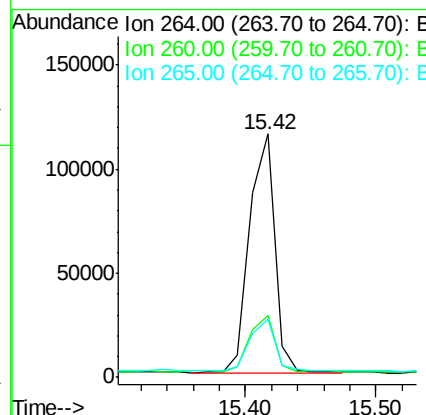
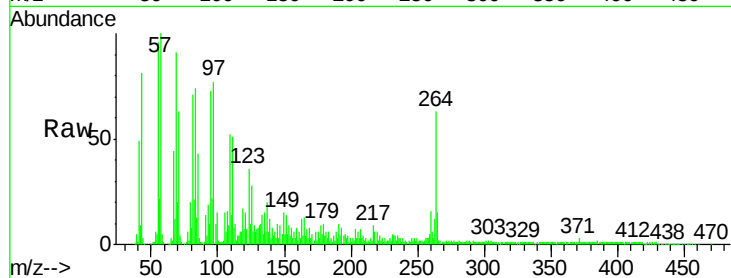
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.07 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

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

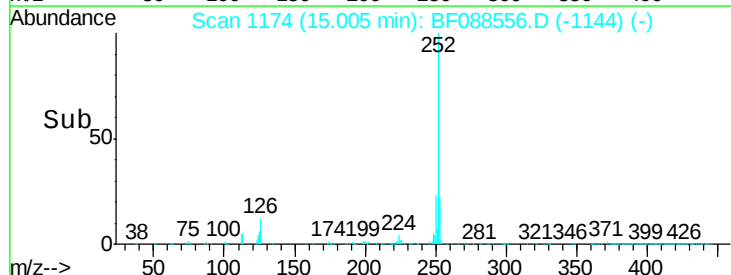
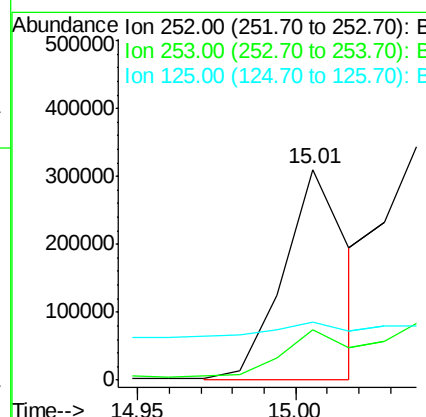
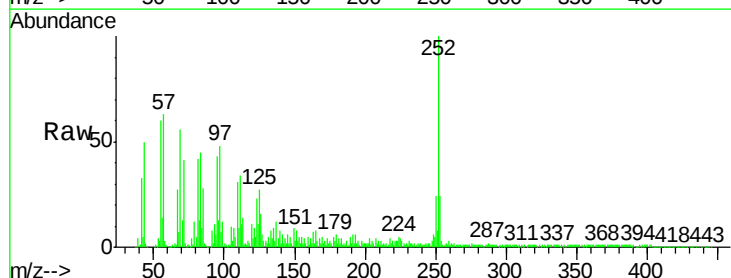
Manual Integrations

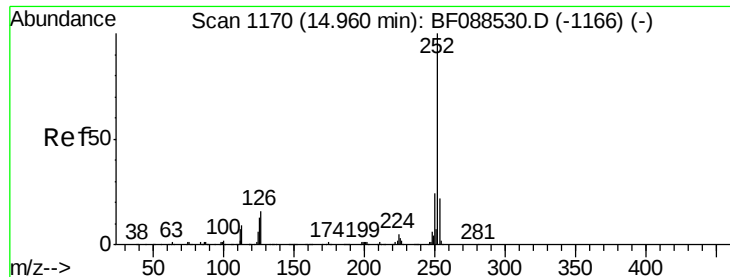
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#87
Benzo(b)fluoranthene
Concen: 45.44 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.05 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	27.3	7.1	10.7#





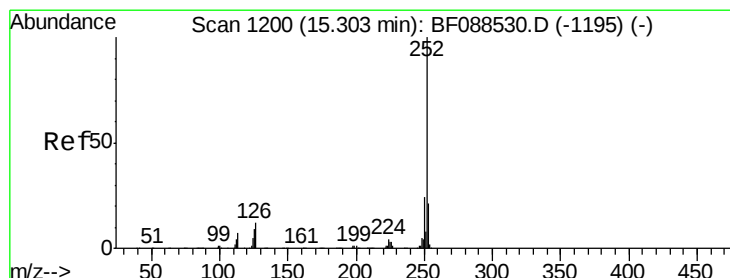
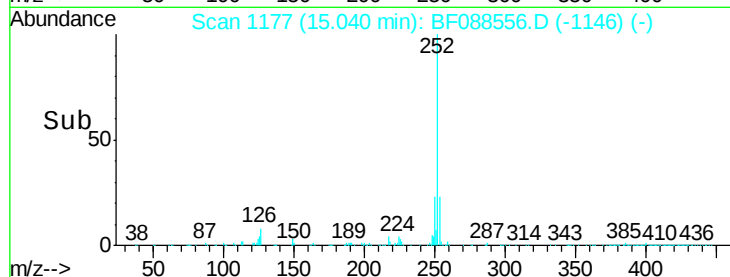
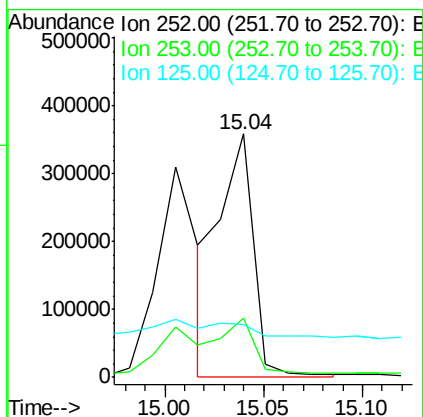
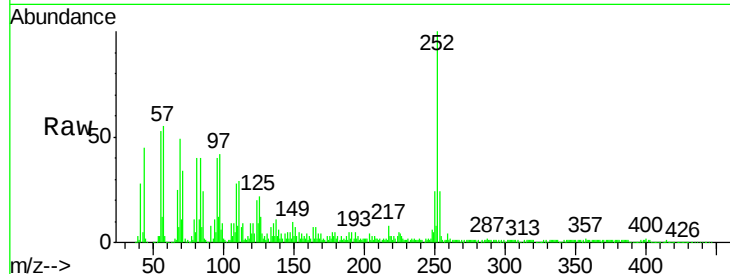
#88
Benzo(k)fluoranthene
Concen: 50.63 ng m
RT: 15.04 min Scan# 1177
Delta R.T. 0.06 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	22.0	11.2	16.8

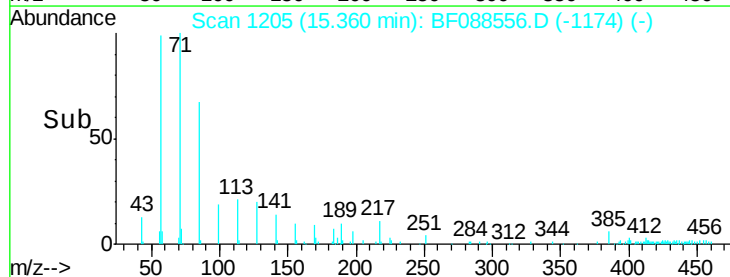
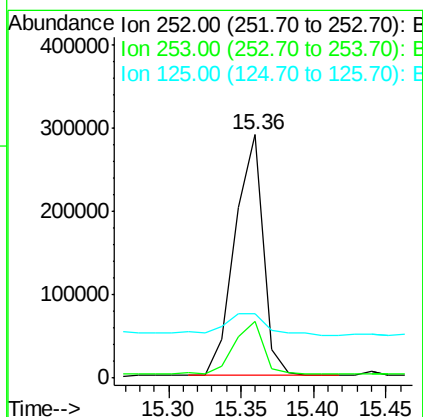
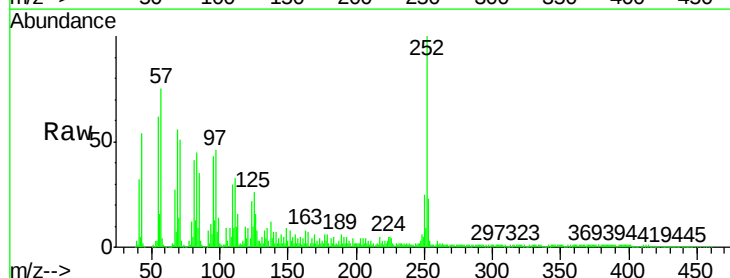
Manual Integrations

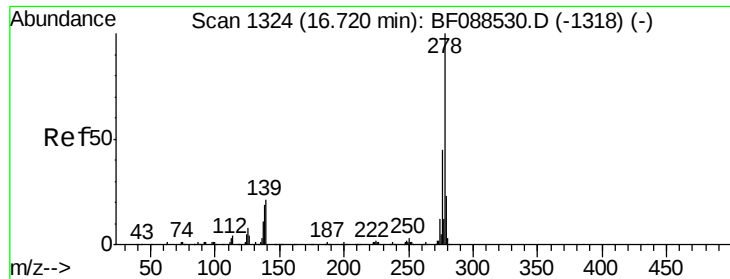
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#89
Benzo(a)pyrene
Concen: 47.85 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.06 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	26.2	12.5	18.7





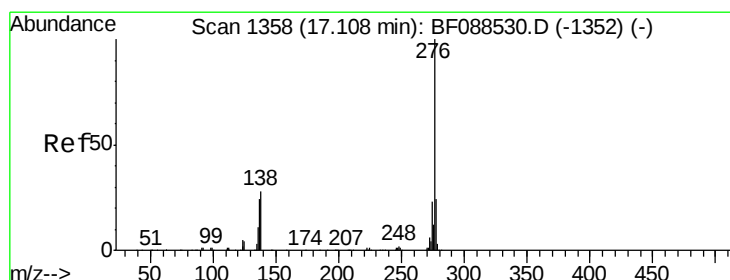
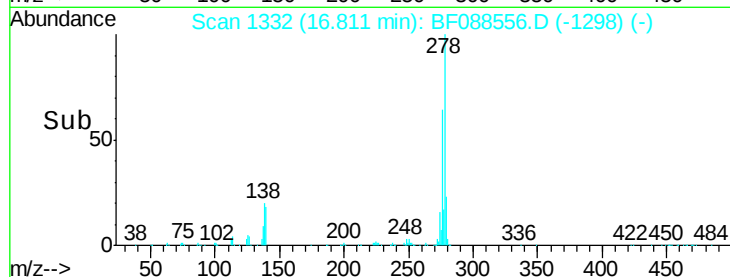
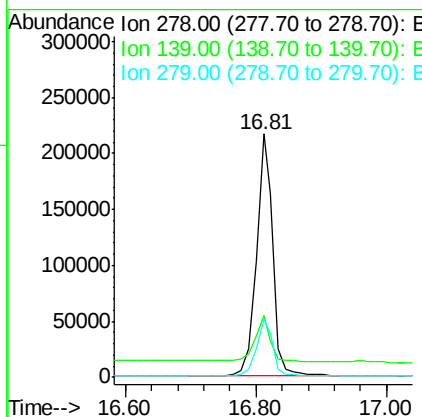
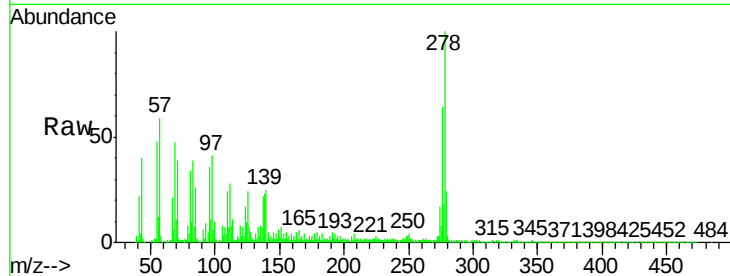
#90
Dibenzo(a,h)anthracene
Concen: 55.11 ng
RT: 16.81 min Scan# 1332
Delta R.T. 0.09 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.4	15.7	23.5#
279	23.7	19.4	29.2

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 54.16 ng
RT: 17.21 min Scan# 1367
Delta R.T. 0.10 min
Lab File: BF088556.D
Acq: 1 Jul 2016 4:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	27.3	21.4	32.2

