

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092426.D
 Acq On : 24 Jan 2017 13:55
 Operator : UM/SJ
 Sample : I1305-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0035

Manual Integrations
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 1/25/2017 3:52:49 PM

Quant Time: Jan 25 10:48:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	150874	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	584794	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	335144	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	526356	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	474149	20.00	ng	-0.01
86) Perylene-d12	15.64	264	428838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1478988	152.52	ng	0.02
7) Phenol-d6	6.59	99	1903205	154.08	ng	0.00
23) Nitrobenzene-d5	7.54	82	1132380	105.77	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	376051	164.66	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	2010328	110.92	ng	0.00
78) Terphenyl-d14	13.12	244	1623043	91.15	ng	0.00
Target Compounds						
8) 2-Chlorophenol	6.75	128	770031	75.60	ng	Qvalue 91
17) 2-Methylphenol	7.22	107	732206	84.13	ng	96
20) 3+4-Methylphenols	7.38	107	1769845	167.62	ng	# 66
27) 2,4-Dimethylphenol	7.92	122	689844	70.58	ng	95
29) 2,4-Dichlorophenol	8.12	162	1267660	149.59	ng	99
36) 4-Chloro-3-methylphenol	8.81	107	823510	90.12	ng	100
42) 2,4,6-Trichlorophenol	9.26	196	826239	127.56	ng	93
43) 2,4,5-Trichlorophenol	9.30	196	613385m	103.50	ng	
53) 2,4-Dinitrophenol	10.09	184	384904	108.36	ng	# 70
55) 4-Nitrophenol	10.13	139	483312	111.55	ng	96
64) 4,6-Dinitro-2-methylphenol	10.62	198	382878	126.02	ng	84
69) Pentachlorophenol	11.32	266	342460	99.71	ng	98

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

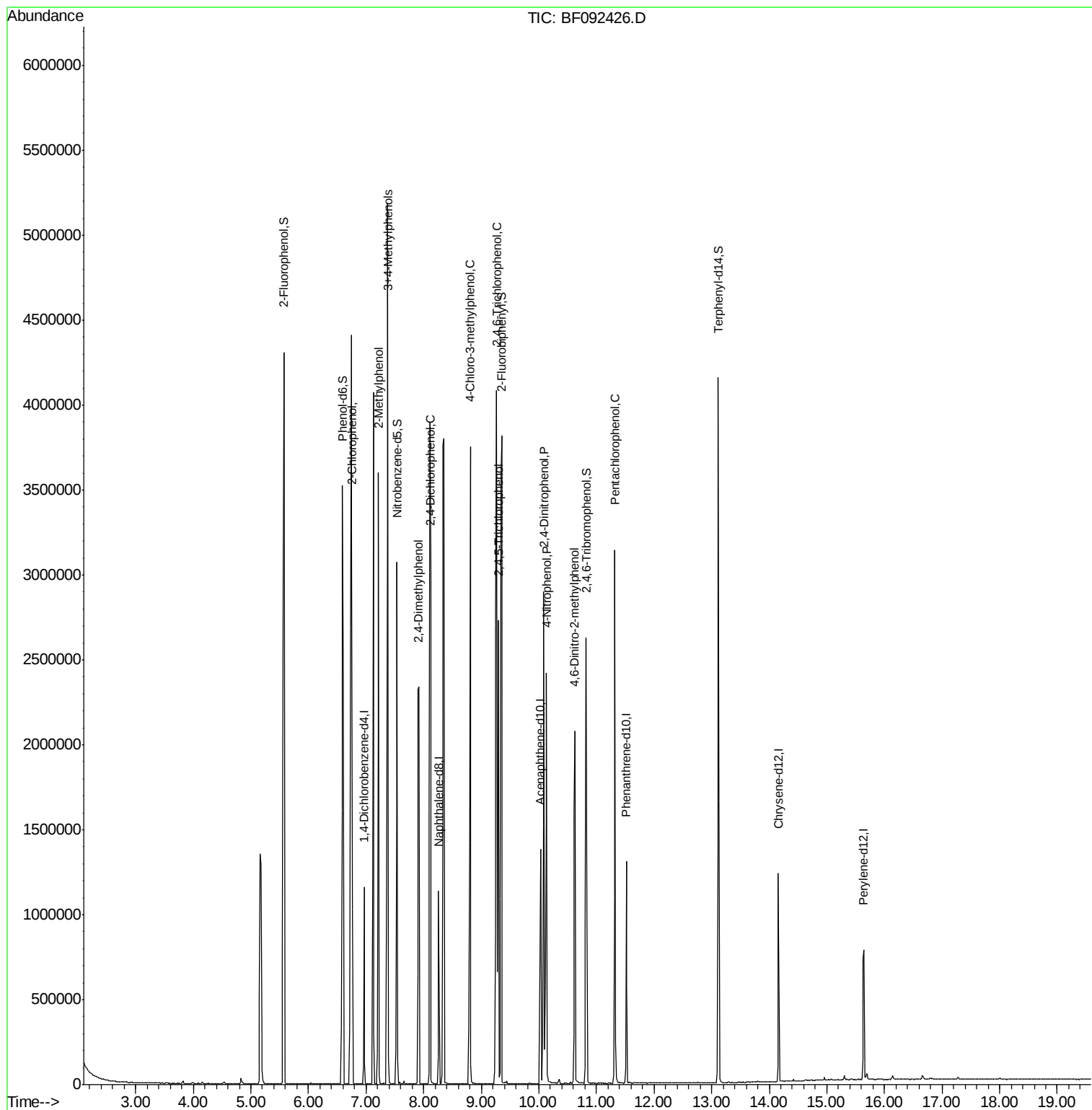
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
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Acq On : 24 Jan 2017 13:55
Operator : UM/SJ
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Misc :
ALS Vial : 10 Sample Multiplier: 1

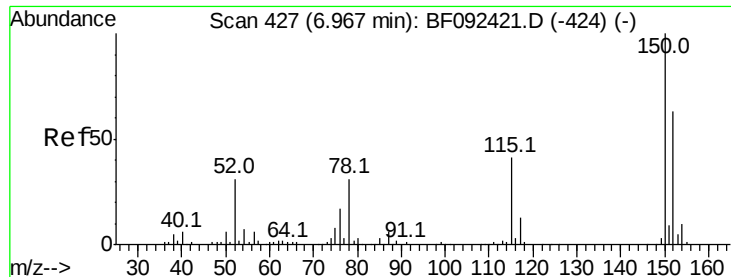
Instrument :
BNA_F
ClientSampleId :
0035

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#1

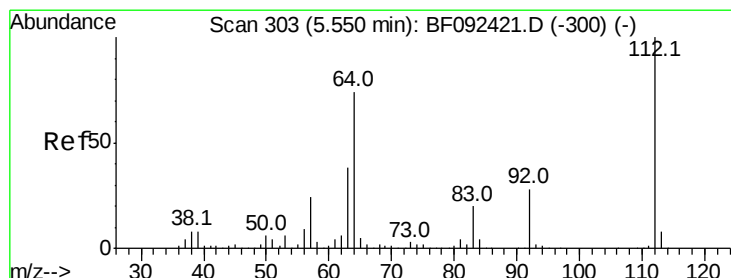
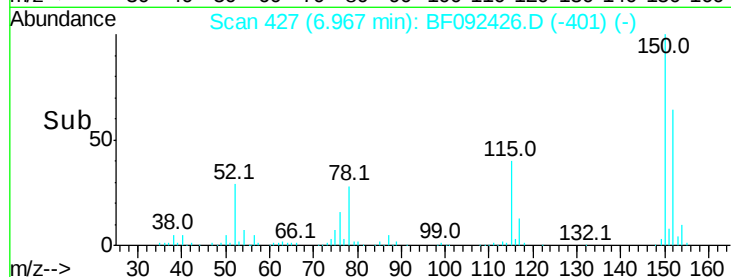
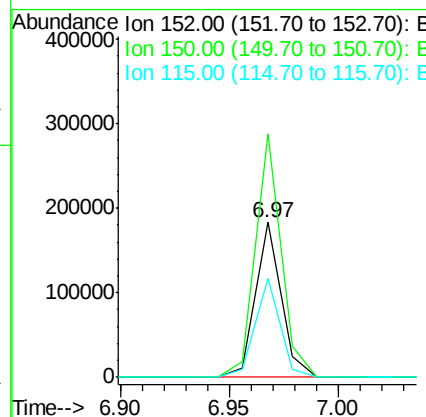
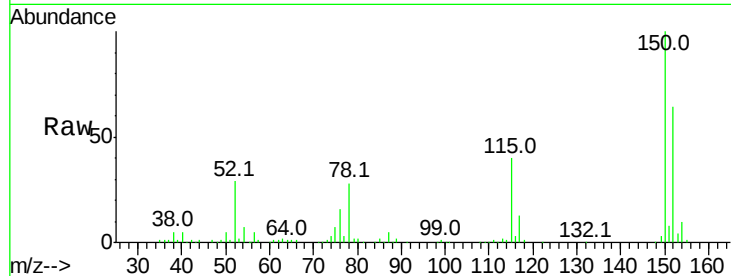
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092426.D
Acq: 24 Jan 2017 13:55

Instrument :
BNA_F
ClientSampled :
0035

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	63.5	46.0	69.0

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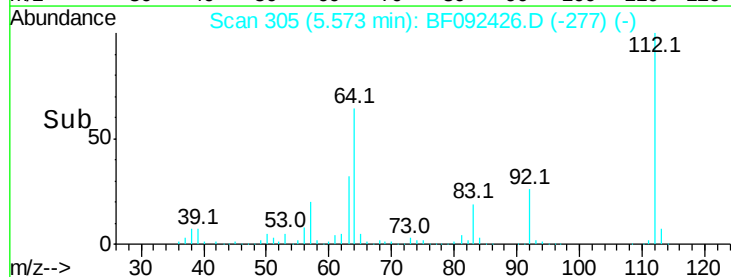
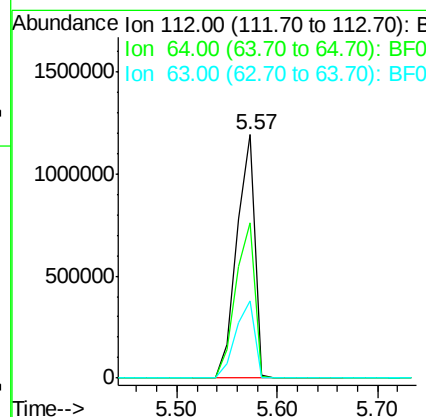
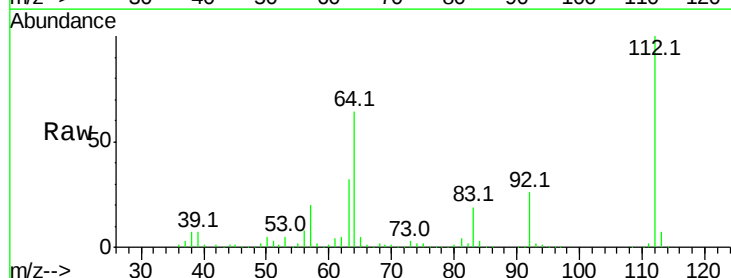
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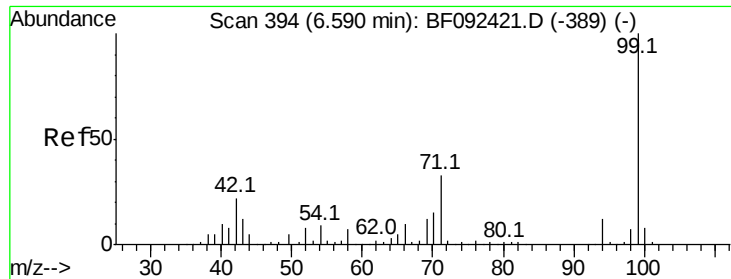


#5

2-Fluorophenol
Concen: 152.52 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092426.D
Acq: 24 Jan 2017 13:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	46.1	69.1
63	31.9	23.8	35.6





#7

Phenol-d6

Concen: 154.08 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

Instrument :

BNA_F

ClientSampleId :

0035

Tot Ion: 99 Resp: 1903205

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

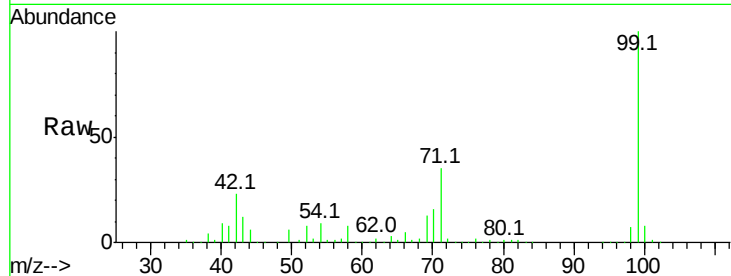
71 34.5 27.5 41.3

Manual Integrations

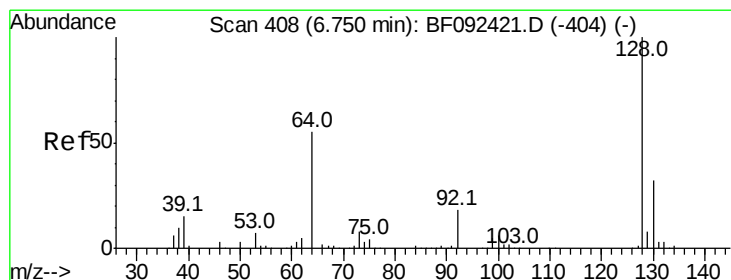
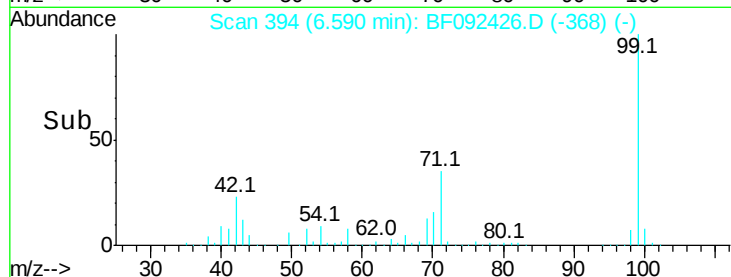
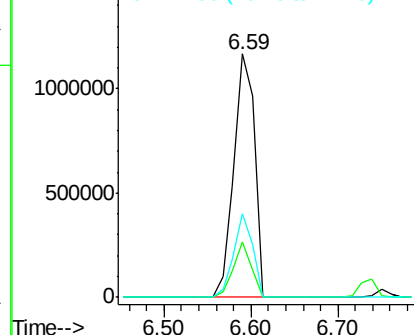
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 75.60 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

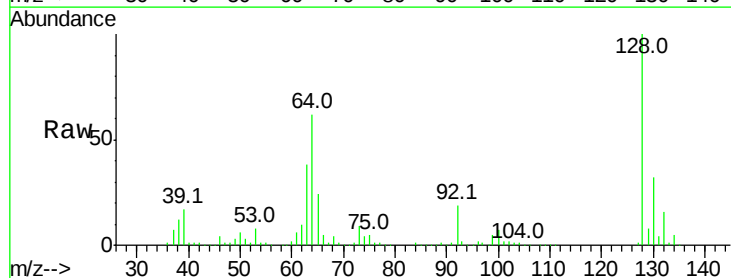
Tgt Ion: 128 Resp: 770031

Ion Ratio Lower Upper

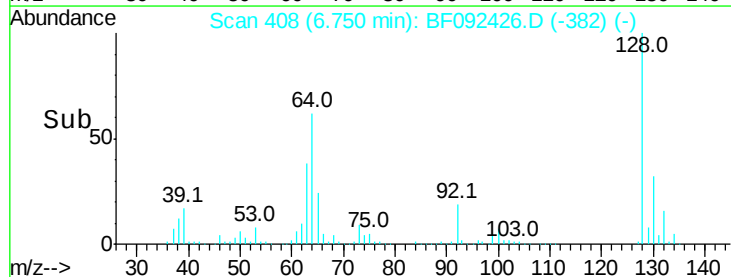
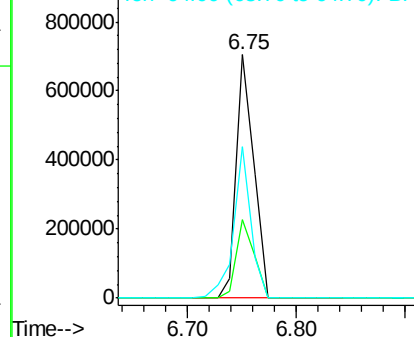
128 100

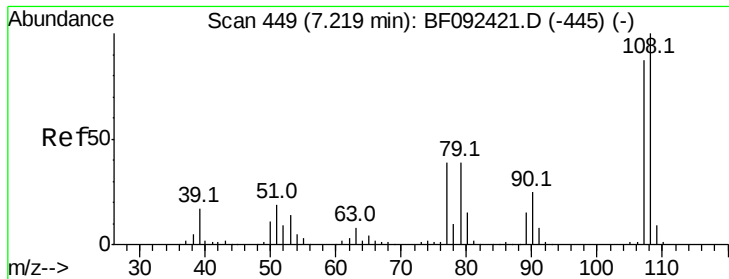
130 32.1 12.3 52.3

64 62.4 32.2 72.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#17

2-Methylphenol

Concen: 84.13 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF092426.D

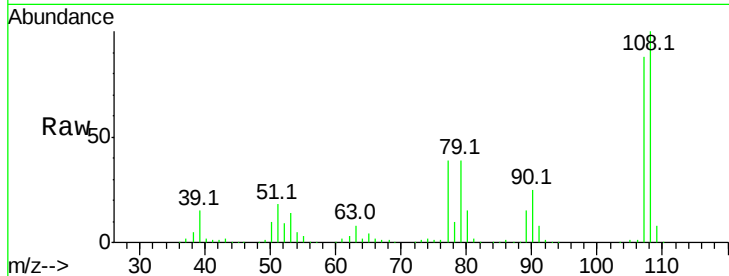
Acq: 24 Jan 2017 13:55

Instrument :

BNA_F

ClientSampleId :

0035



Tot Ion:107 Resp: 732206

Ion Ratio Lower Upper

107 100

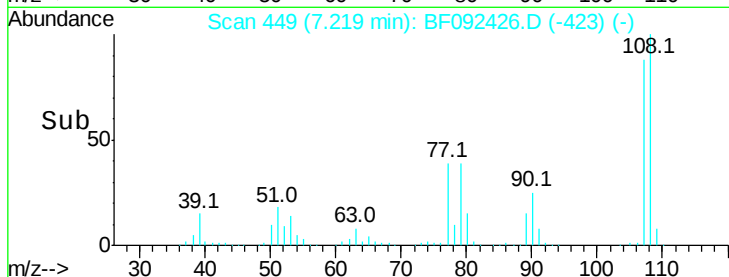
108 114.2 93.0 139.6

77 44.8 39.8 59.8

79 44.7 38.0 57.0

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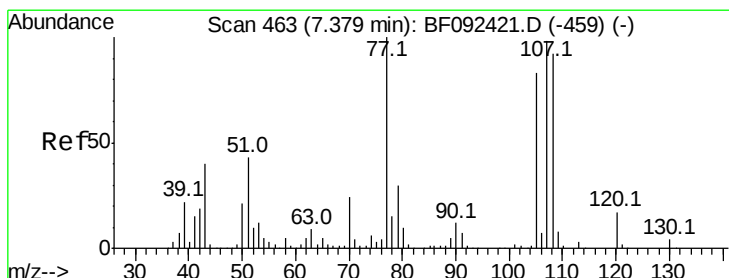
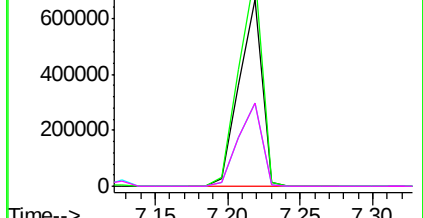


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20

3+4-Methylphenols

Concen: 167.62 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.00 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

Tgt Ion:107 Resp: 1769845

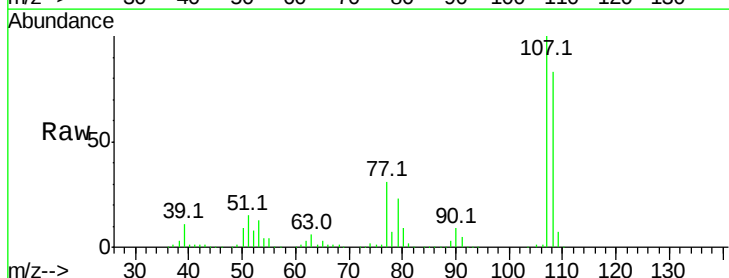
Ion Ratio Lower Upper

107 100

108 82.8 73.0 113.0

77 31.3 71.3 111.3#

79 22.7 11.1 51.1

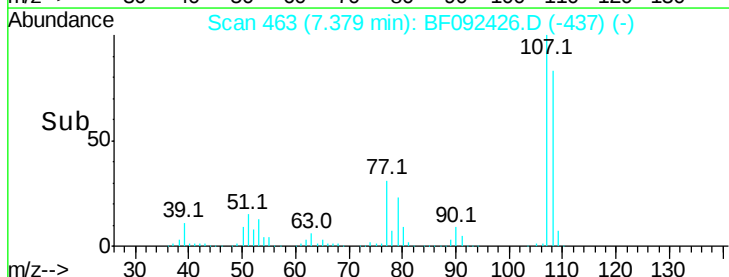
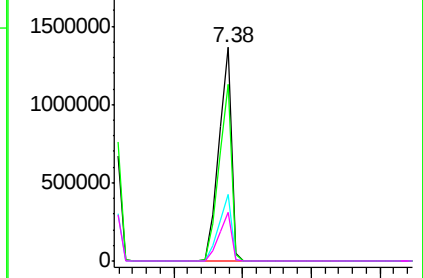


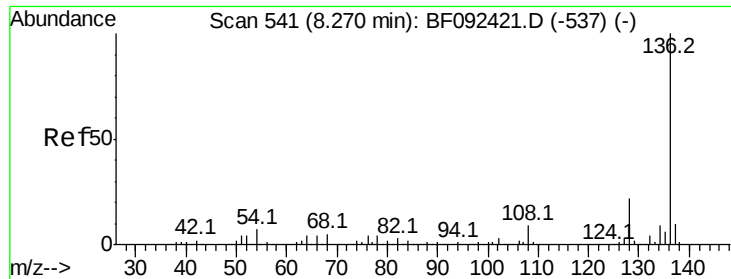
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





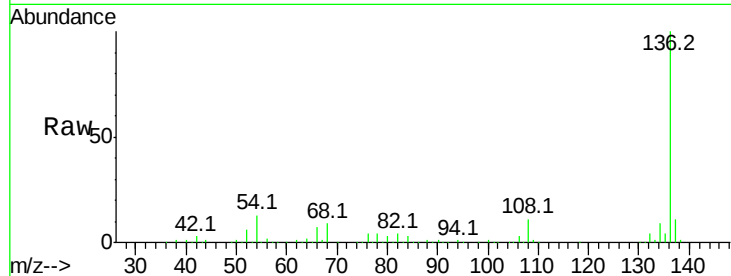
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092426.D
Acq: 24 Jan 2017 13:55

Instrument :
BNA_F
ClientSampleId :
0035

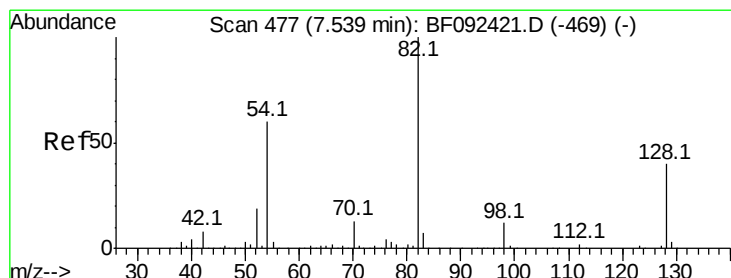
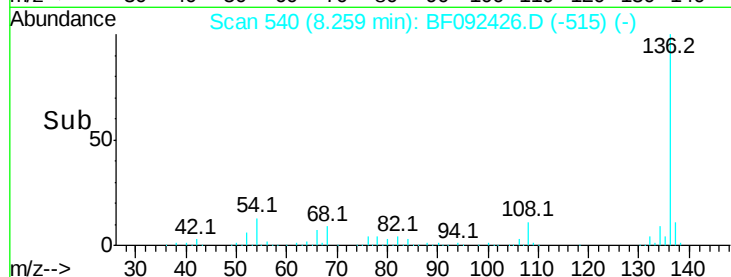
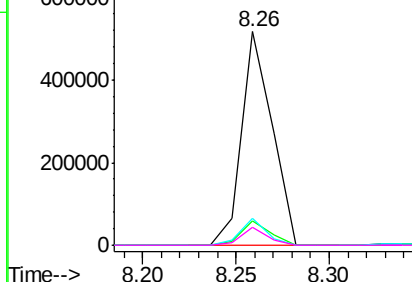
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.4	12.6	
54	12.7	4.5	6.7#	
68	8.5	3.6	5.4#	

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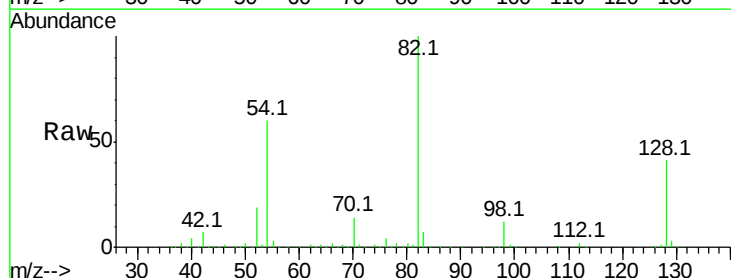


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0

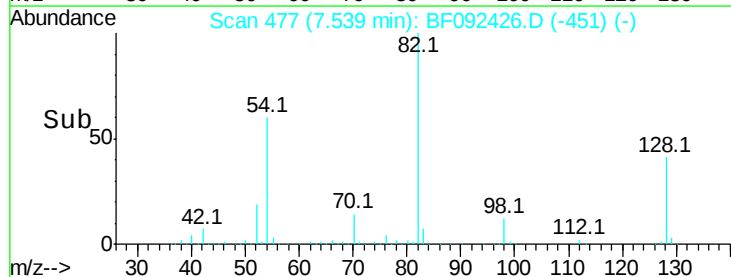
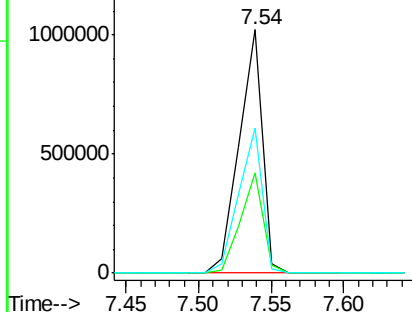


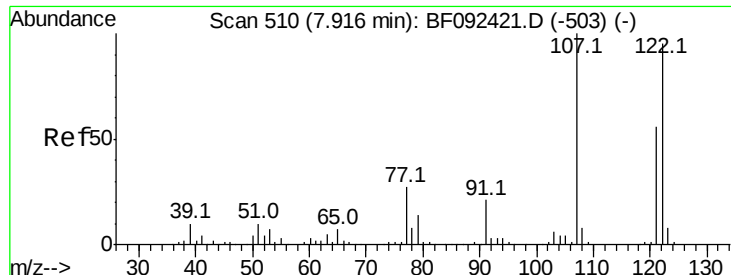
#23
Nitrobenzene-d5
Concen: 105.77 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092426.D
Acq: 24 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.0	34.6	52.0	
54	59.7	39.5	59.3#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
1000000
Ion 128.00 (127.70 to 128.70): E
500000
Ion 54.00 (53.70 to 54.70): BF0
0





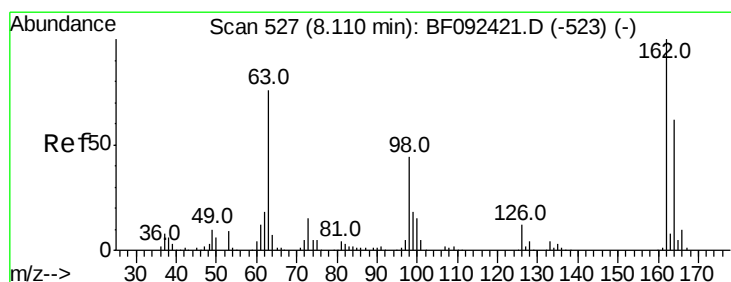
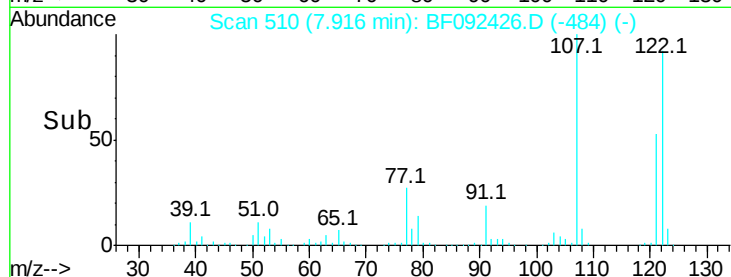
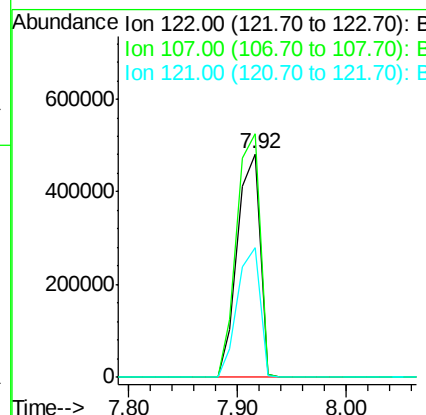
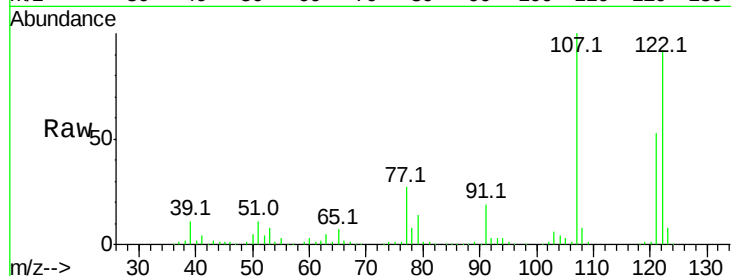
#27
 2,4-Dimethylphenol
 Concen: 70.58 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Instrument :
 BNA_F
 ClientSampleId :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
122	100	689844		
107	109.0	94.1	141.1	
121	58.0	46.0	69.0	

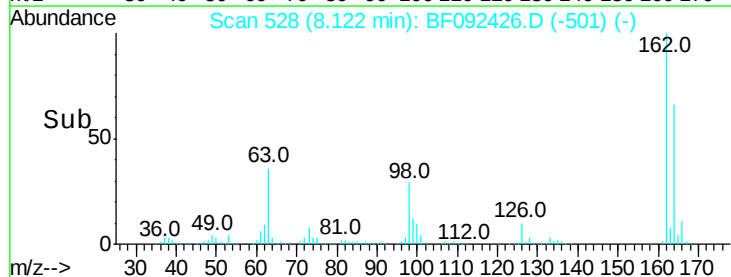
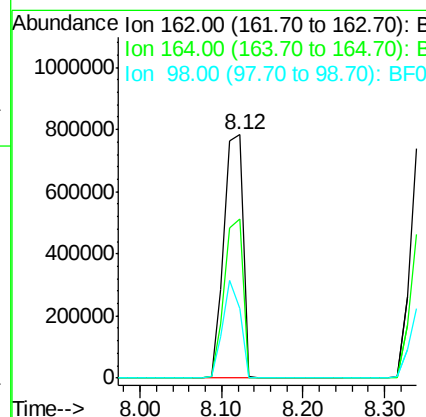
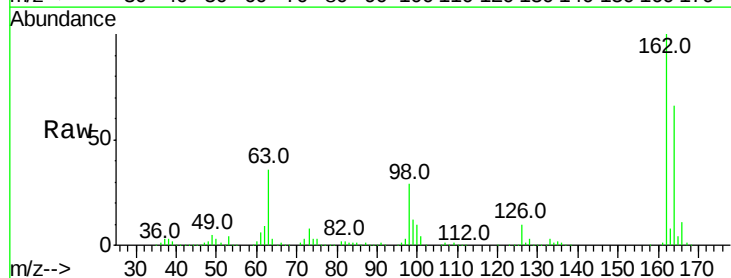
Manual Integrations
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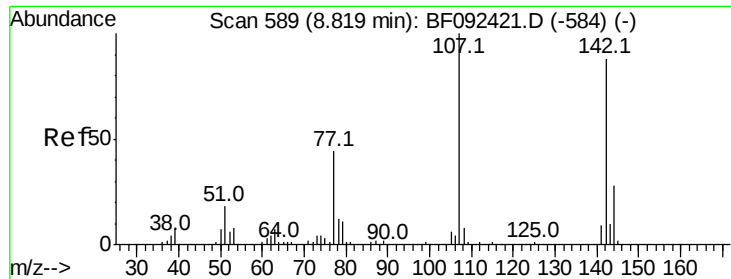
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#29
 2,4-Dichlorophenol
 Concen: 149.59 ng
 RT: 8.12 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	1267660		
164	65.6	46.8	86.8	
98	28.8	9.1	49.1	





#36

4-Chloro-3-methylphenol

Concen: 90.12 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

Instrument :

BNA_F

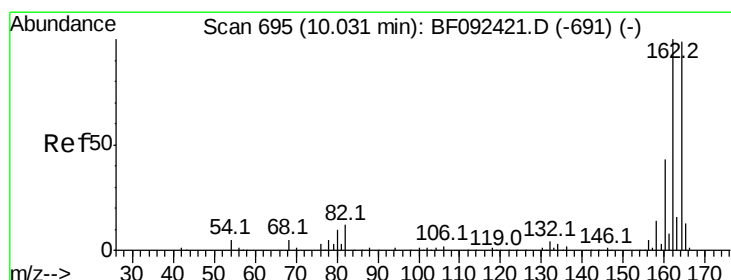
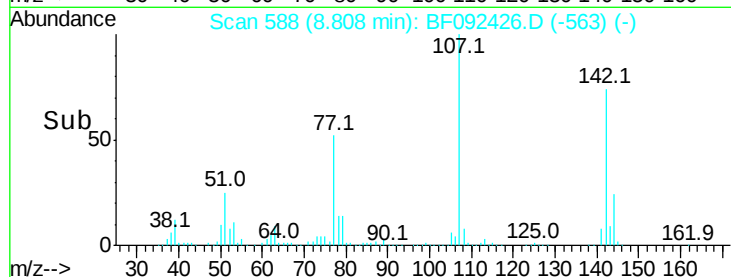
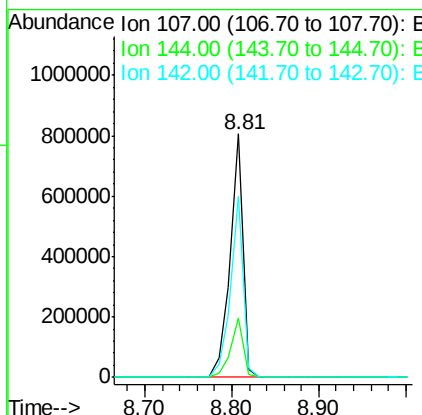
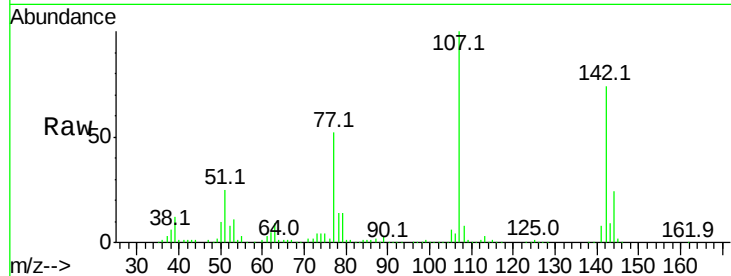
ClientSampleId :

0035

Tot Ion:	107	Resp:	823510
Ion Ratio	Lower	Upper	
107	100		
144	24.1	19.3	28.9
142	74.3	59.0	88.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

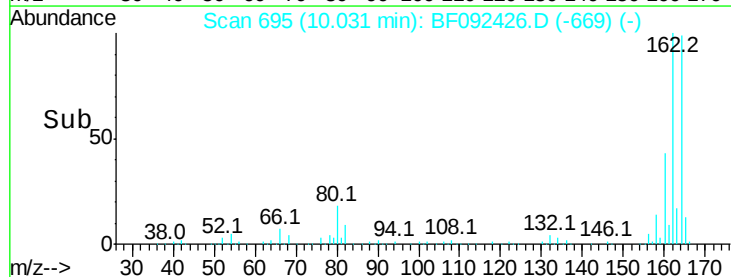
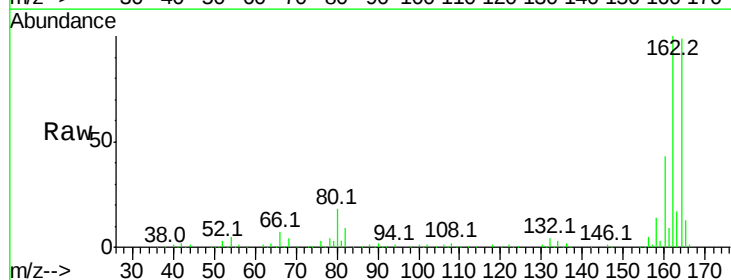
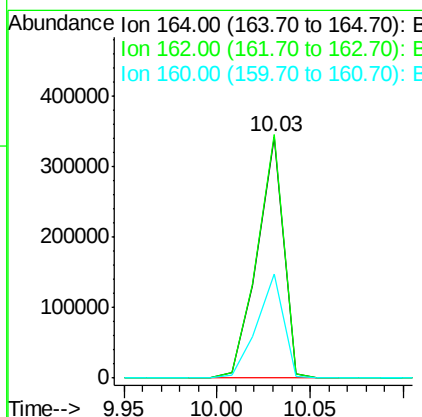
RT: 10.03 min Scan# 695

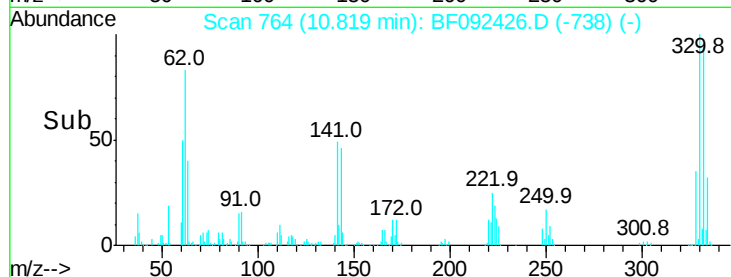
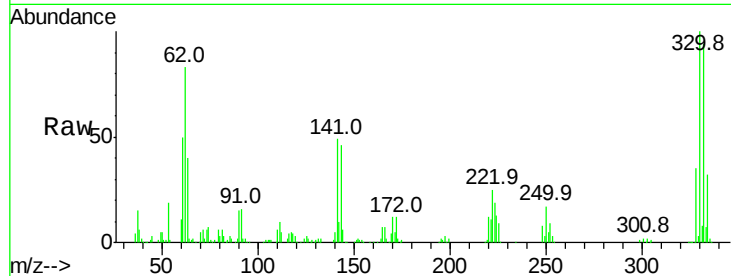
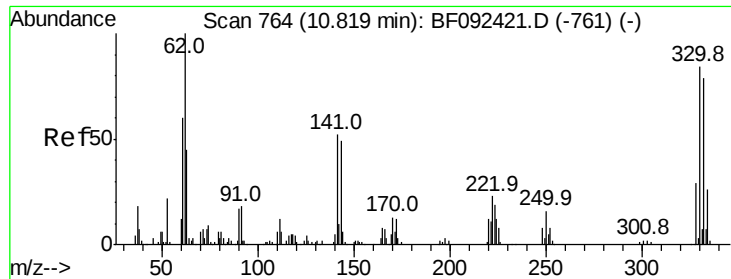
Delta R.T. 0.00 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

Tgt Ion:	164	Resp:	335144
Ion Ratio	Lower	Upper	
164	100		
162	100.7	80.2	120.2
160	42.9	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 164.66 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

Tot Ion:	330	Resp:	376051
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.4	116.2
141	36.0	34.1	51.1

Instrument :

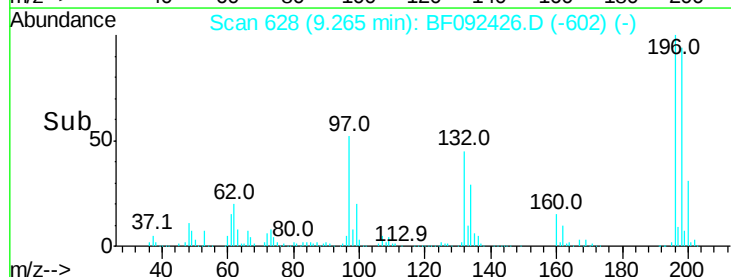
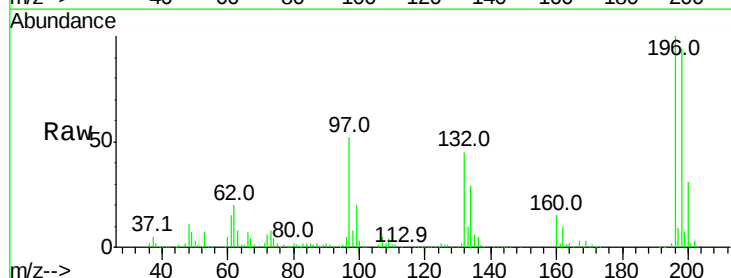
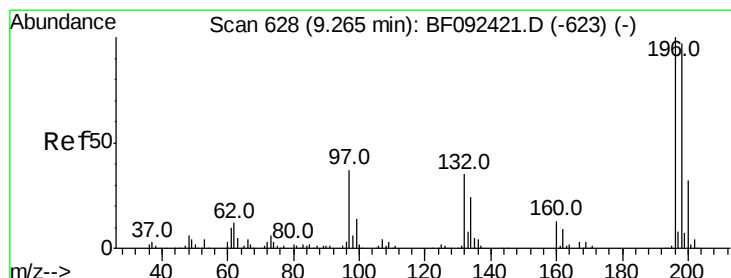
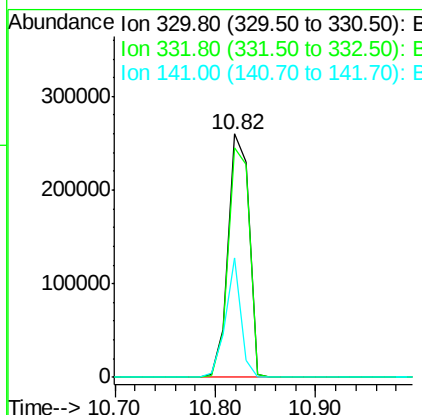
BNA_F

ClientSampleId :

0035

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#42

2,4,6-Trichlorophenol

Concen: 127.56 ng

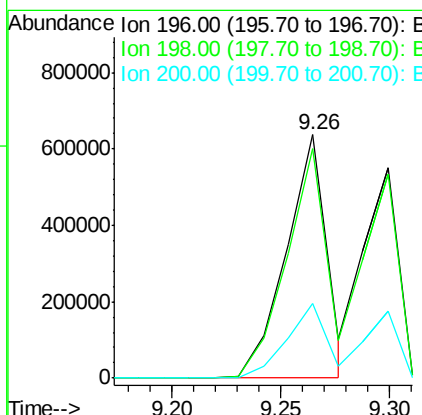
RT: 9.26 min Scan# 628

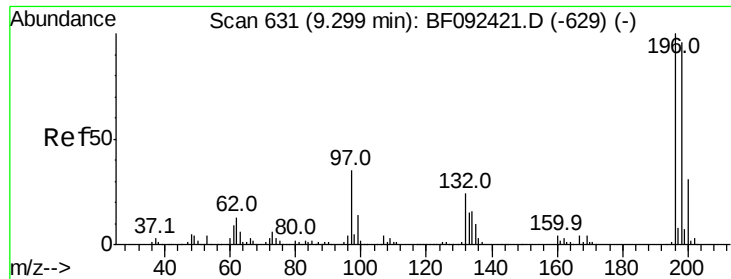
Delta R.T. 0.00 min

Lab File: BF092426.D

Acq: 24 Jan 2017 13:55

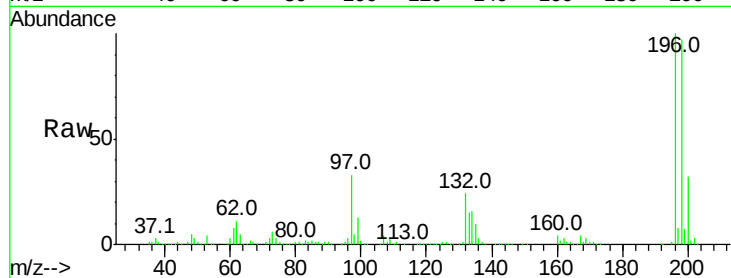
Tgt Ion:	196	Resp:	826239
Ion Ratio	Lower	Upper	
196	100		
198	94.4	82.1	123.1
200	30.6	27.0	40.4





#43
 2,4,5-Trichlorophenol
 Concen: 103.50 ng/mL
 RT: 9.30 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

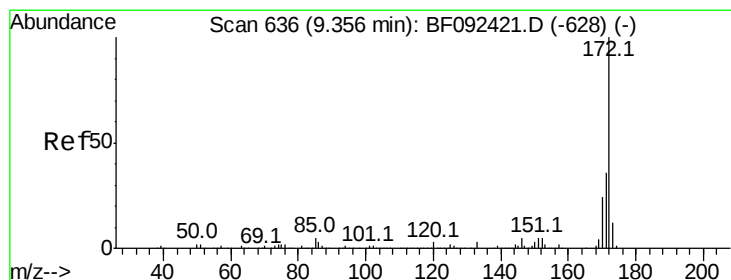
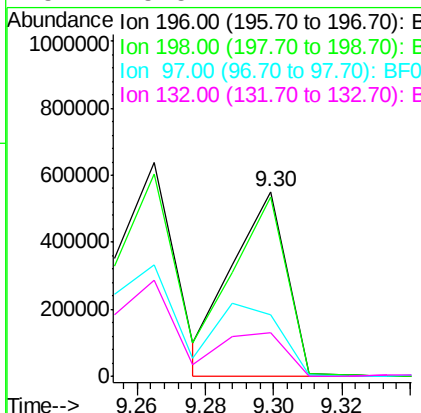
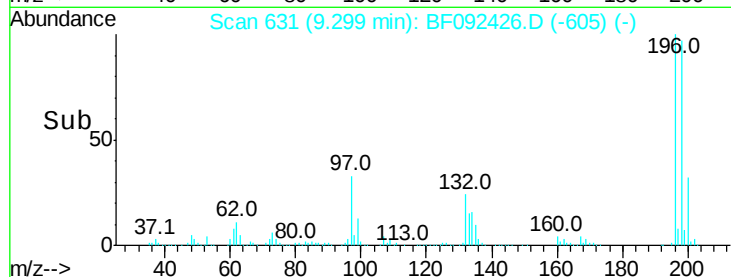
Instrument :
 BNA_F
 ClientSampled :
 0035



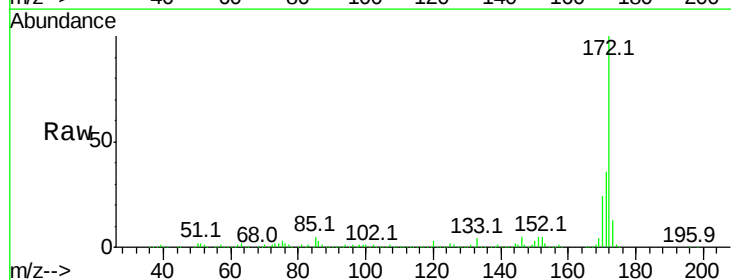
Tot Ion	Ratio	Resp	Lower	Upper
196	100	613385		
198	96.9	79.4	119.2	
97	33.3	51.5	77.3	
132	23.5	27.4	41.2	

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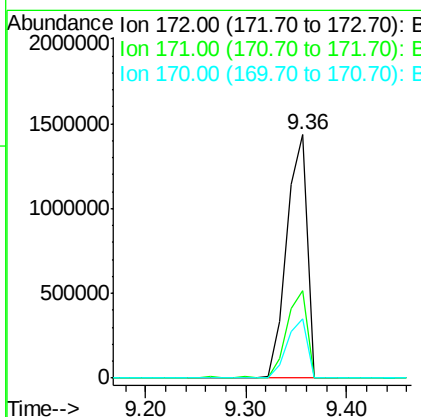
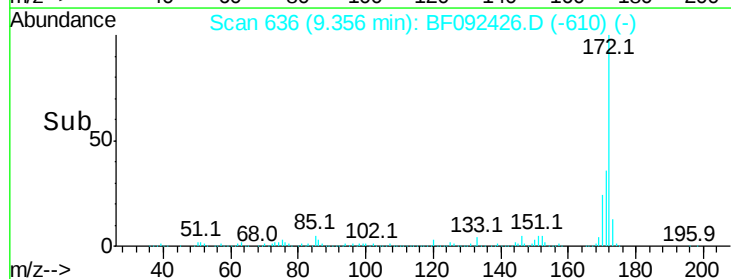
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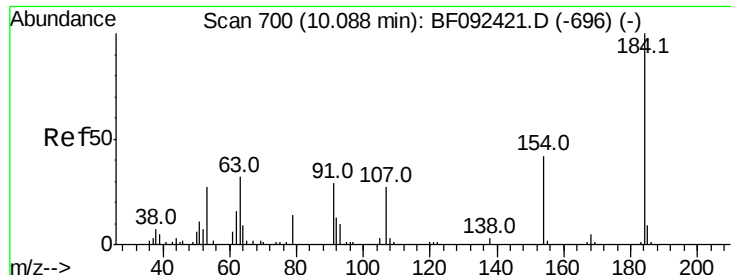


#44
 2-Fluorobiphenyl
 Concen: 110.92 ng/mL
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2010328		
171	35.9	29.4	44.0	
170	24.3	20.2	30.4	





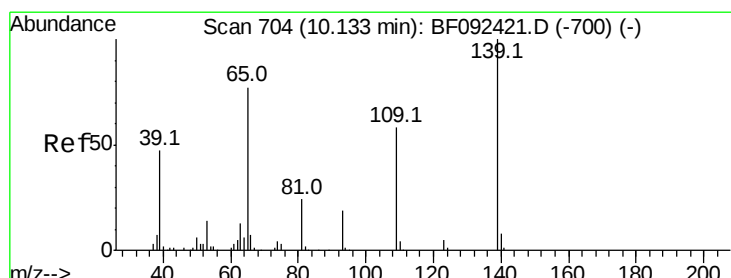
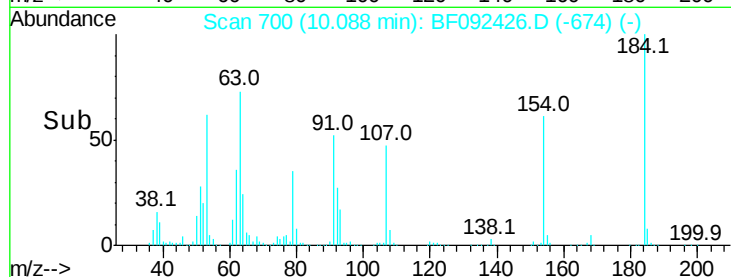
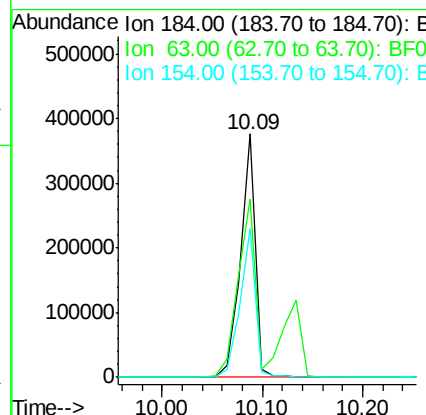
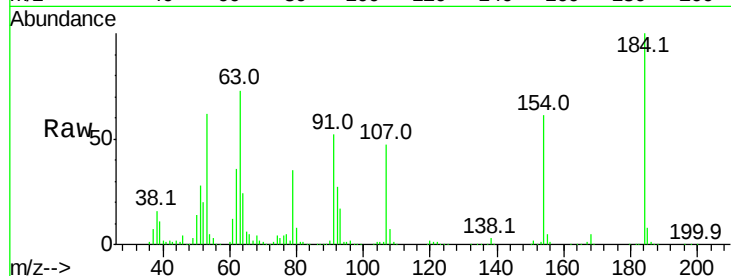
#53
 2,4-Dinitrophenol
 Concen: 108.36 ng
 RT: 10.09 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Instrument :
 BNA_F
 ClientSampled :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	73.2	28.4	42.6	
154	61.1	44.3	66.5	

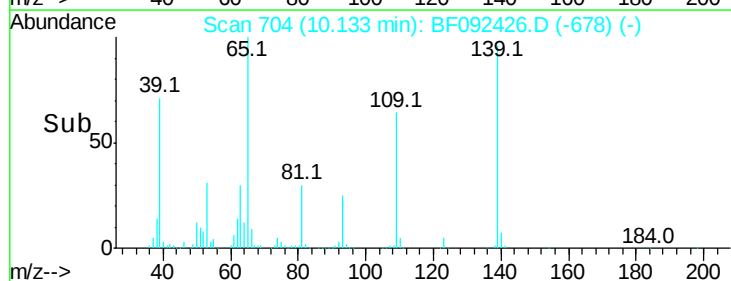
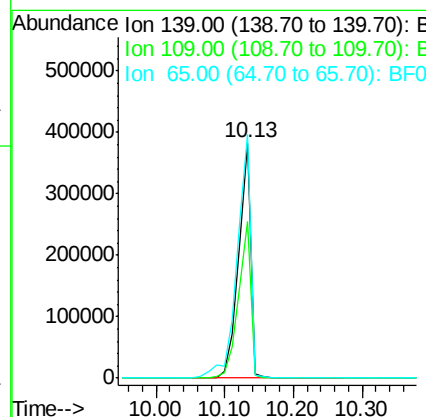
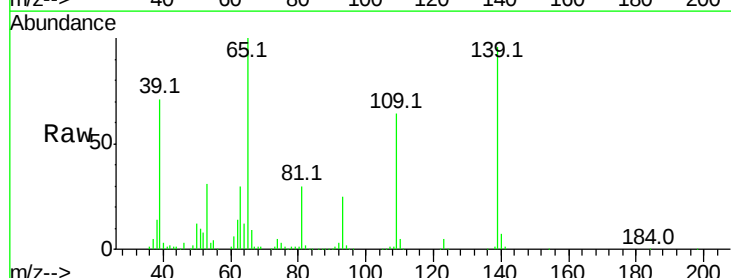
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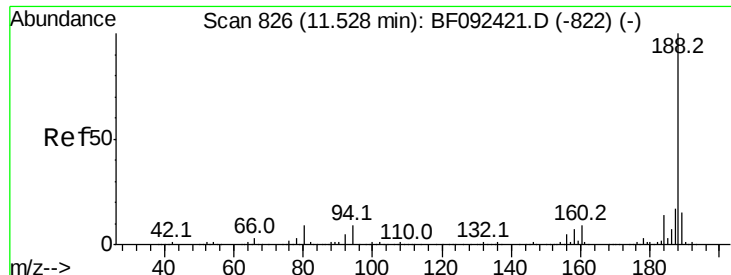
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#55
 4-Nitrophenol
 Concen: 111.55 ng
 RT: 10.13 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	66.5	52.2	92.2	
65	103.7	85.8	125.8	





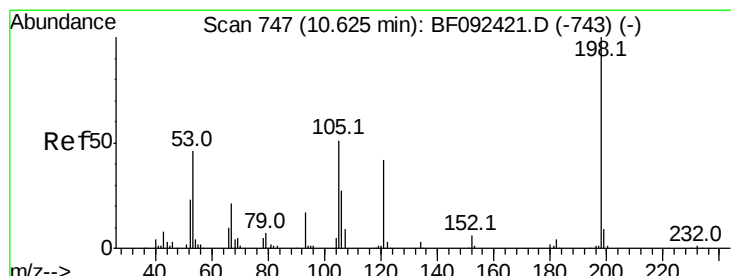
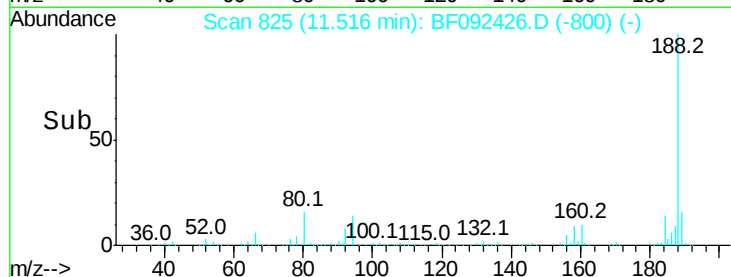
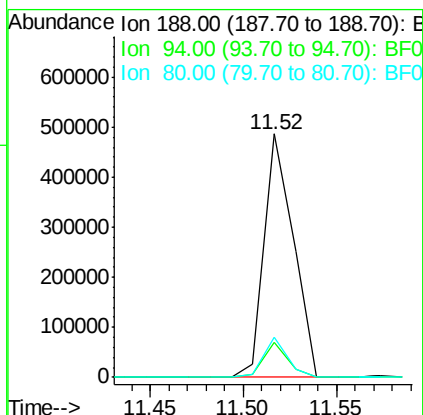
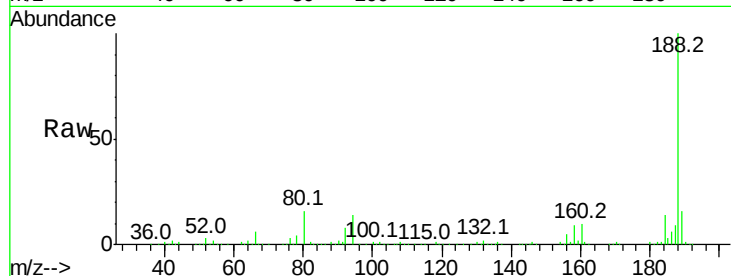
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Instrument :
 BNA_F
 ClientSampleId :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
188	100	526356		
94	14.3		10.0	15.0
80	16.4		11.2	16.8

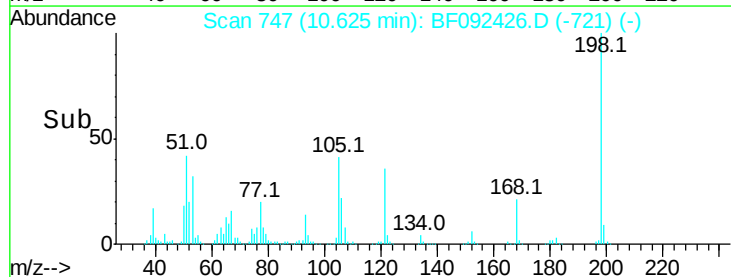
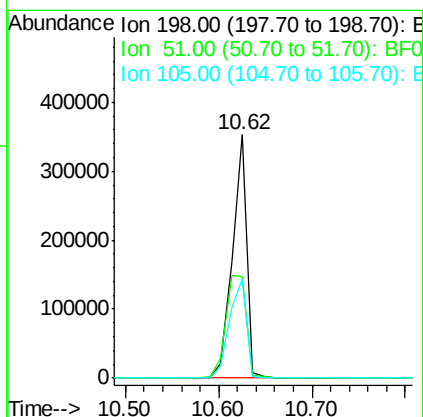
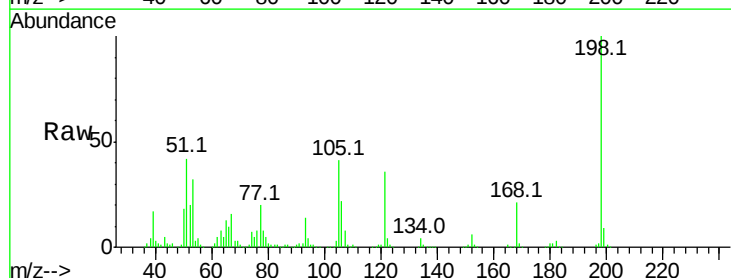
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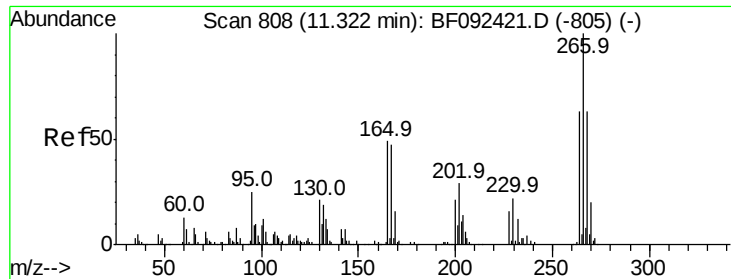
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 126.02 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	382878		
51	41.7		6.7	46.7
105	40.7		16.6	56.6





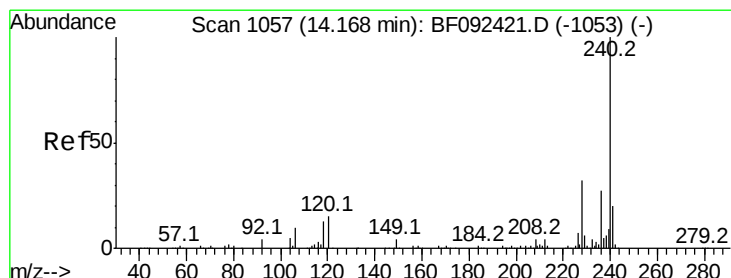
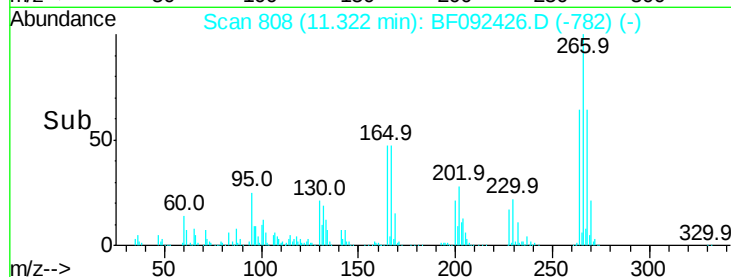
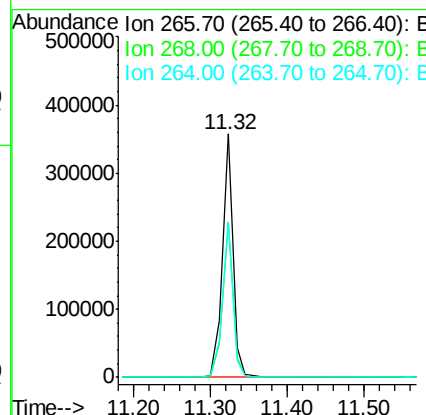
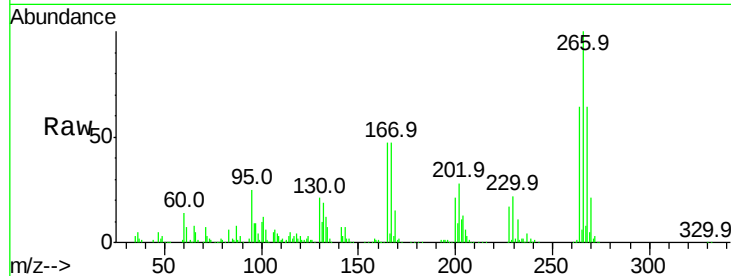
#69
 Pentachlorophenol
 Concen: 99.71 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Instrument :
 BNA_F
 ClientSampleID :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
266	100	342460		
268	63.9	53.3	79.9	
264	64.0	50.3	75.5	

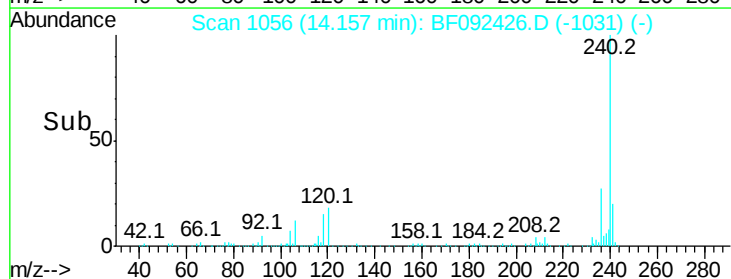
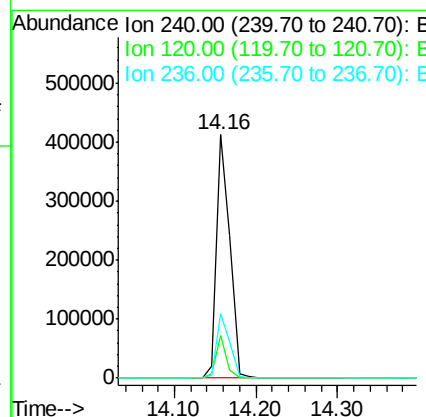
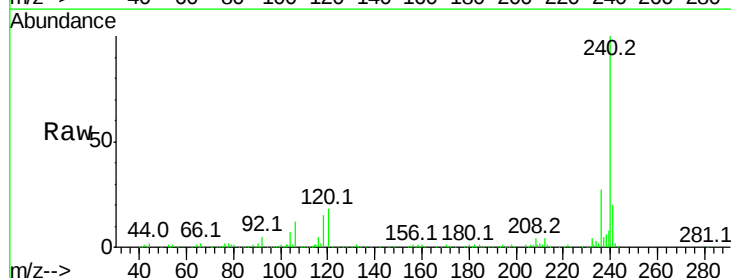
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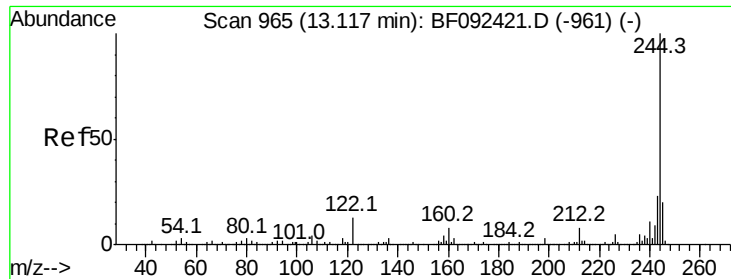
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	474149		
120	17.6	12.9	19.3	
236	26.6	20.9	31.3	





#78
 Terphenyl-d14
 Concen: 91.15 ng
 RT: 13.12 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

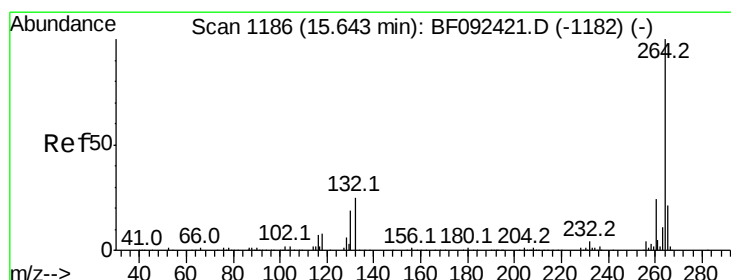
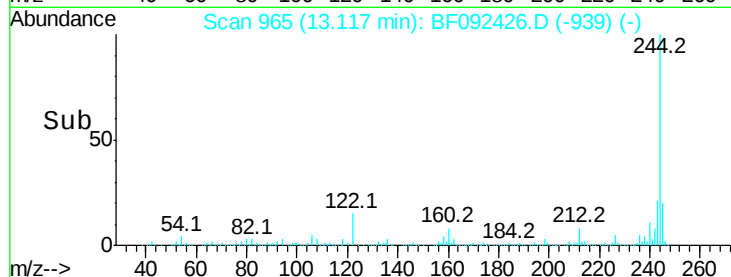
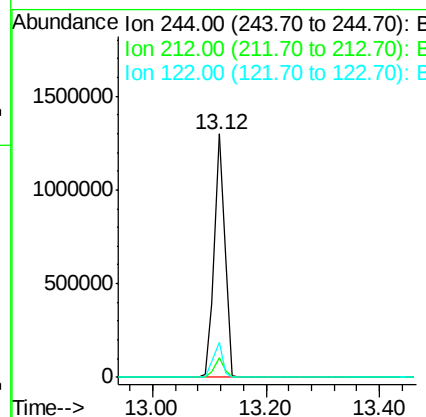
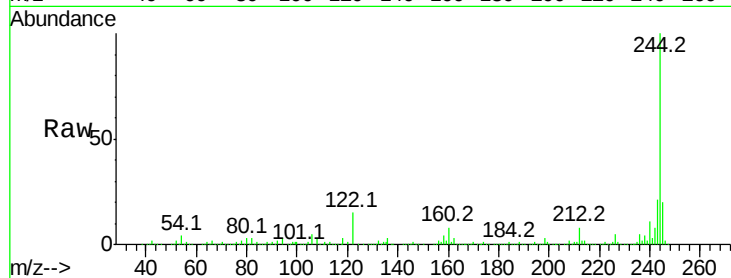
Instrument :
 BNA_F
 ClientSampleId :
 0035

Tot Ion:244 Resp: 1623043

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	14.6	11.4	17.2

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF092426.D
 Acq: 24 Jan 2017 13:55

Tgt Ion:264 Resp: 428838

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	17.4	26.0

