

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084750.D
 Acq On : 2 Feb 2016 15:32
 Operator : SJ/IZ
 Sample : H1256-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9035

Manual Integrations
 APPROVED

MMDadoda
 2/3/2016 6:25:35 PM

Quant Time: Feb 03 02:56:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	164008	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	671176	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	316843	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	644370	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	571923	20.00	ng	-0.02
86) Perylene-d12	15.23	264	443981	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1309013	124.32	ng	-0.01
7) Phenol-d6	6.36	99	1742670	133.50	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1164251	97.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	531361	160.78	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	1928364	117.44	ng	-0.02
78) Terphenyl-d14	12.81	244	1844476	73.08	ng	-0.02
Target Compounds						Qvalue
8) 2-Chlorophenol	6.49	128	700877	58.81	ng	91
10) Phenol	6.37	94	1513236	103.48	ng	93
17) 2-Methylphenol	6.98	107	1098334	116.52	ng	99
26) 2-Nitrophenol	7.61	139	697058	110.77	ng	# 82
29) 2,4-Dichlorophenol	7.85	162	969189	103.49	ng	96
36) 4-Chloro-3-methylphenol	8.56	107	958665	89.73	ng	99
42) 2,4,6-Trichlorophenol	8.99	196	819578m	126.42	ng	
43) 2,4,5-Trichlorophenol	9.02	196	414524m	62.93	ng	
53) 2,4-Dinitrophenol	9.81	184	339334	135.15	ng	96
55) 4-Nitrophenol	9.88	139	672480	154.46	ng	# 78
64) 4,6-Dinitro-2-methylphenol	10.34	198	216582	54.46	ng	# 71
69) Pentachlorophenol	11.04	266	492631	135.17	ng	97

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

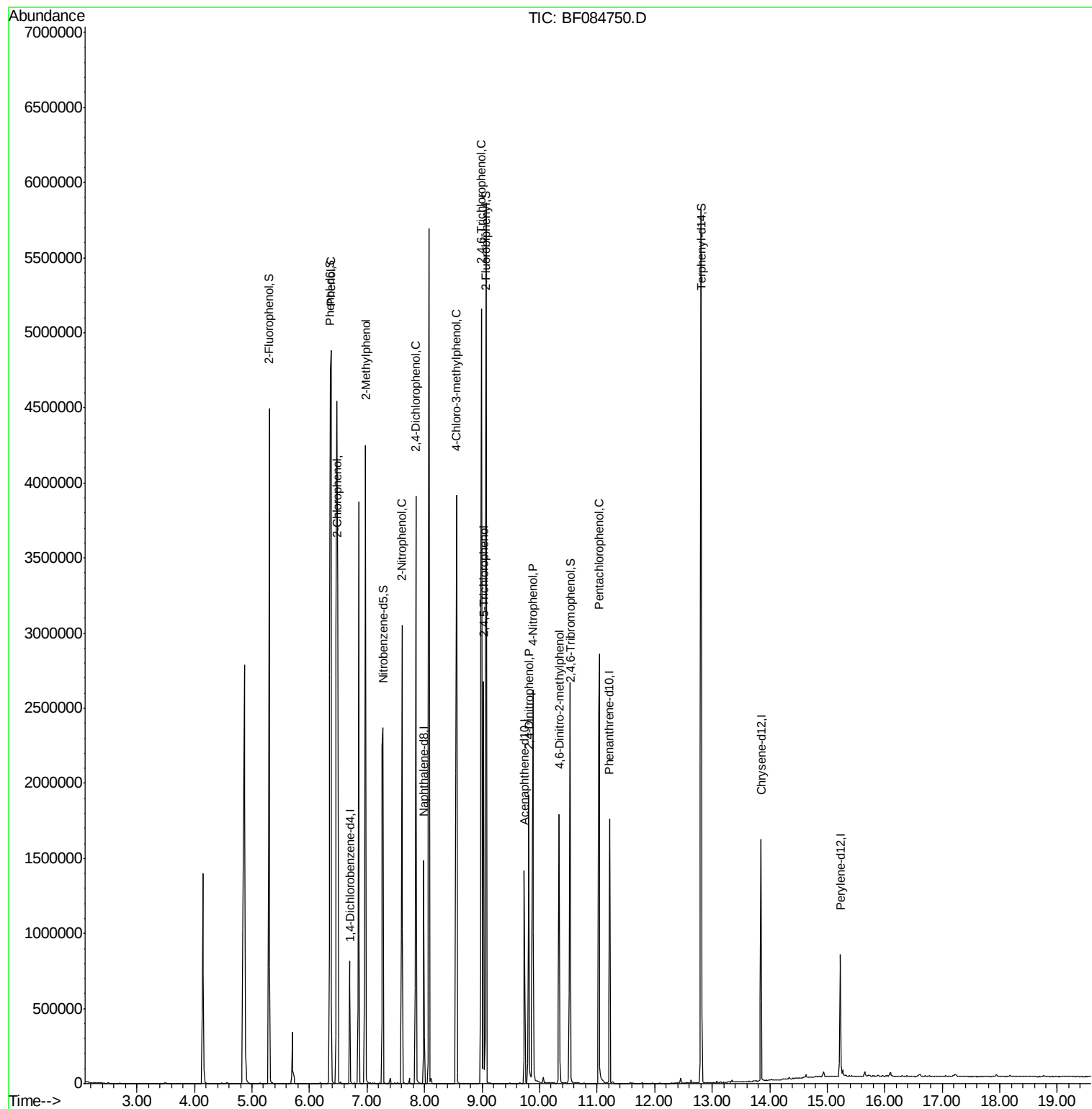
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
Data File : BF084750.D
Acq On : 2 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1256-12
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ALS Vial : 5 Sample Multiplier: 1

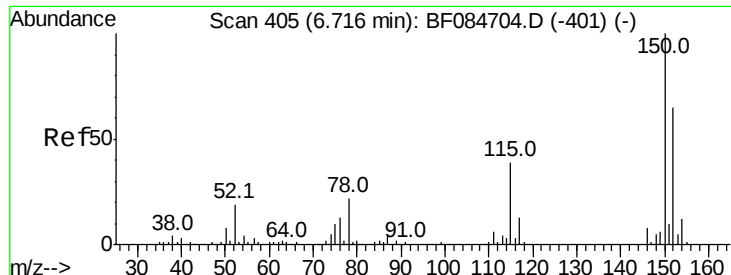
Instrument :
BNA_F
ClientSampleId :
9035

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Quant Time: Feb 03 02:56:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

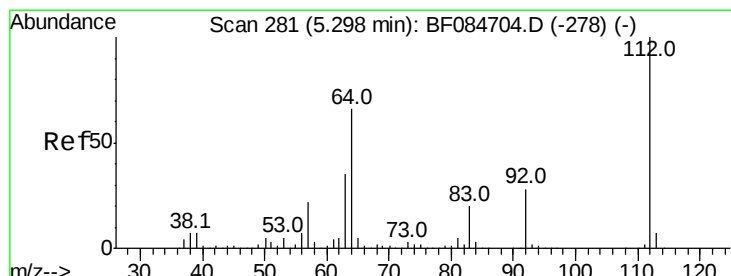
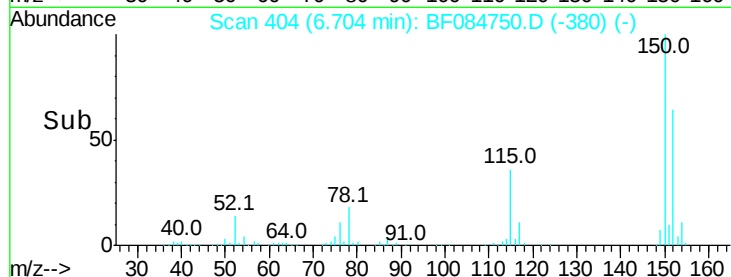
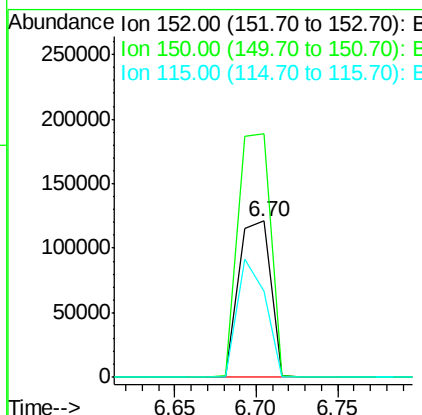
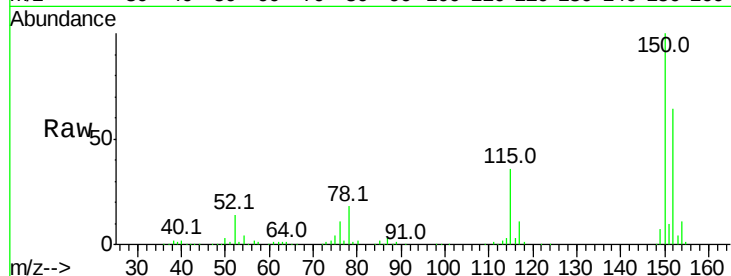
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084750.D
Acq: 2 Feb 2016 15:32

Instrument :
BNA_F
ClientSampled :
9035

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.0	184.4
115	55.4	51.4	77.2

Manual Integrations
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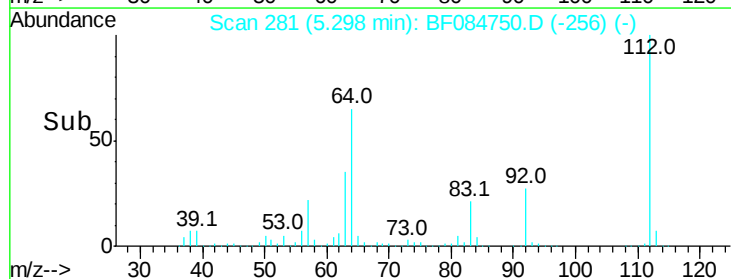
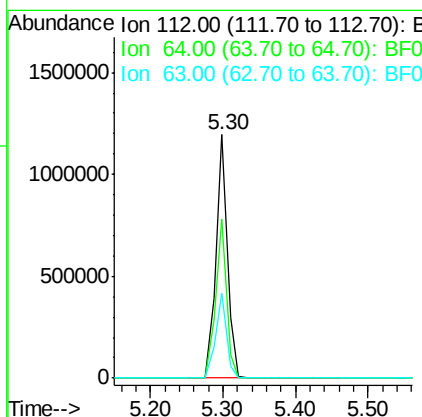
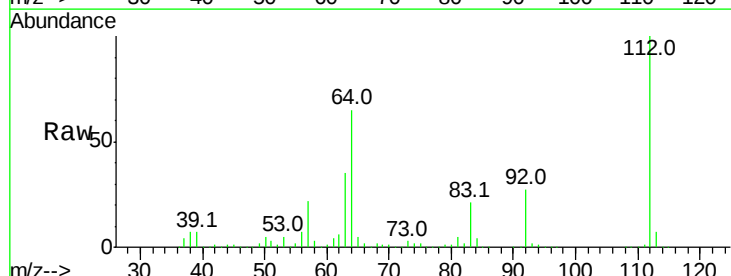
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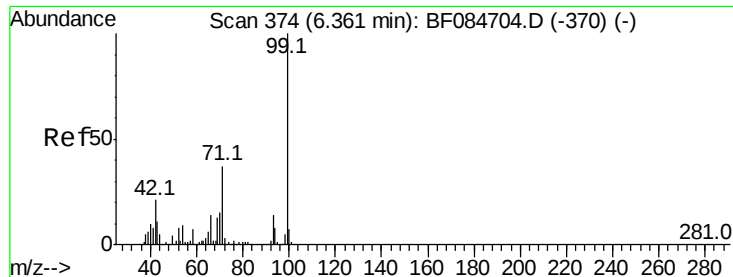


#5

2-Fluorophenol
Concen: 124.32 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF084750.D
Acq: 2 Feb 2016 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	36.6	55.0#
63	34.8	19.4	29.0#





#7

Phenol-d6

Concen: 133.50 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

Instrument :

BNA_F

ClientSampleId :

9035

Tot Ion: 99 Resp: 1742670

Ion Ratio Lower Upper

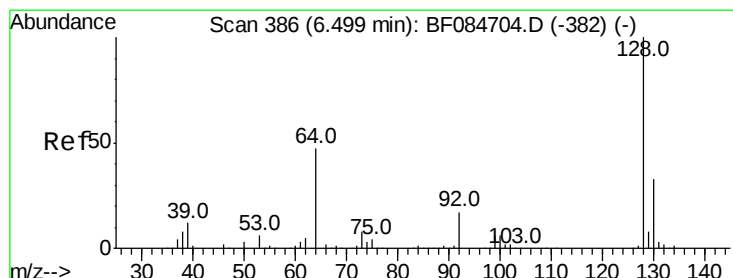
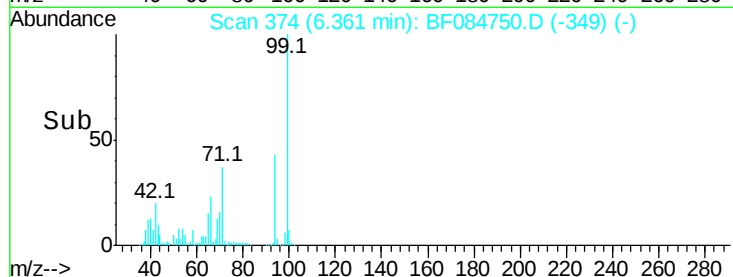
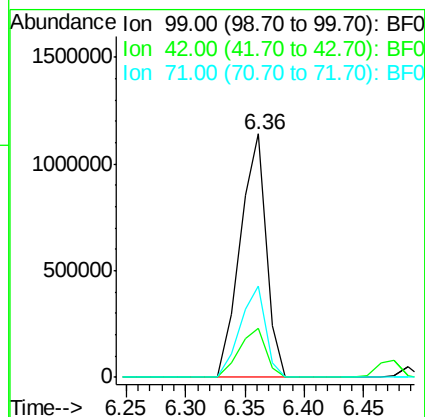
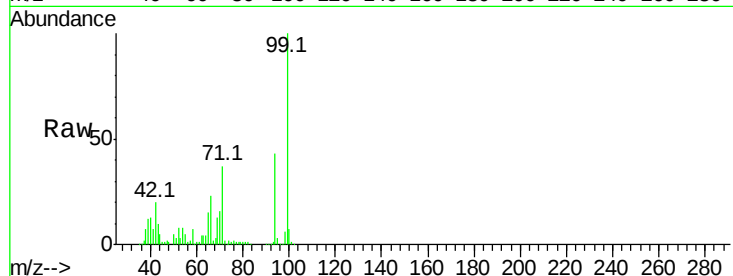
99 100

42 19.9 12.8 19.2#

71 37.3 30.9 46.3

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#8

2-Chlorophenol

Concen: 58.81 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

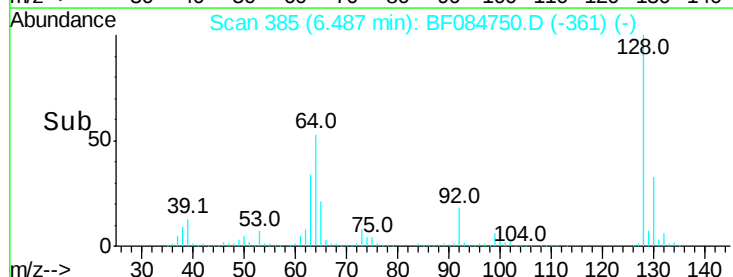
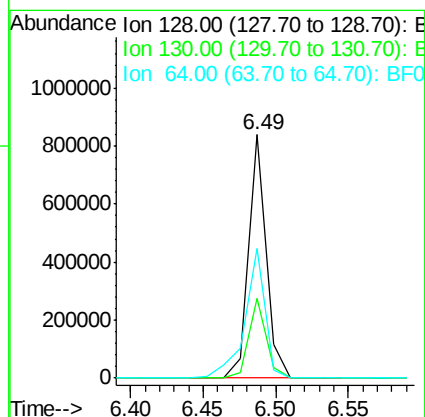
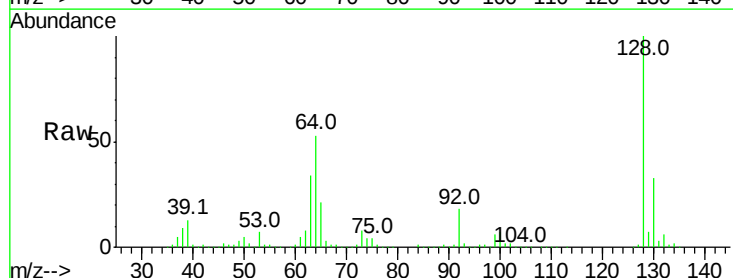
Tgt Ion:128 Resp: 700877

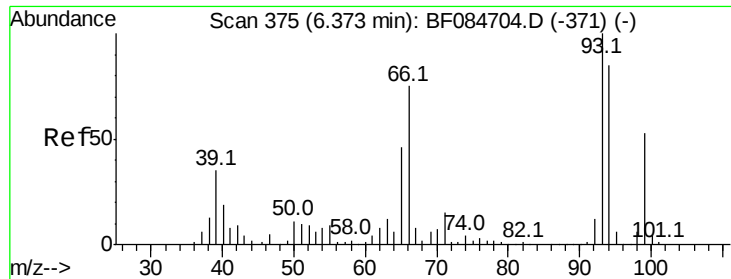
Ion Ratio Lower Upper

128 100

130 32.9 11.6 51.6

64 53.1 23.8 63.8





#10

Phenol

Concen: 103.48 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

Instrument :

BNA_F

ClientSampled :

9035

Tot Ion: 94 Resp: 1513236

Ion Ratio Lower Upper

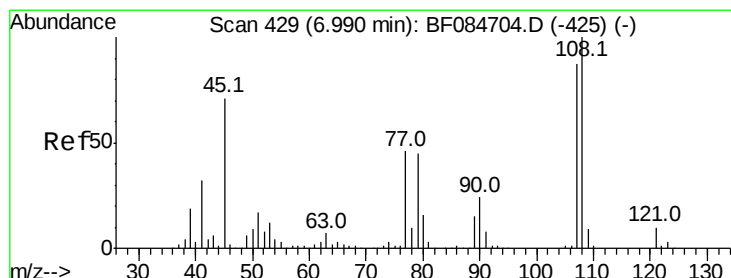
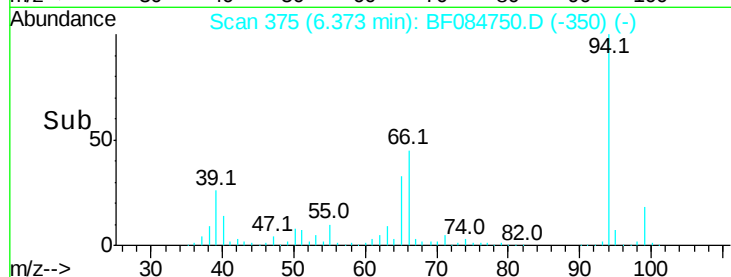
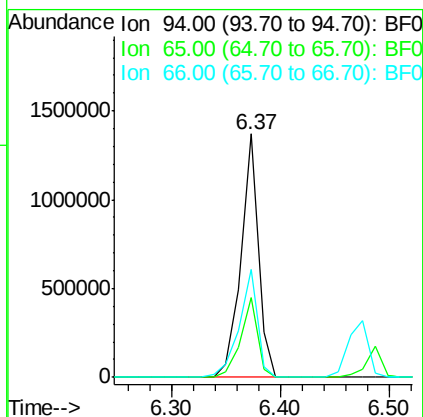
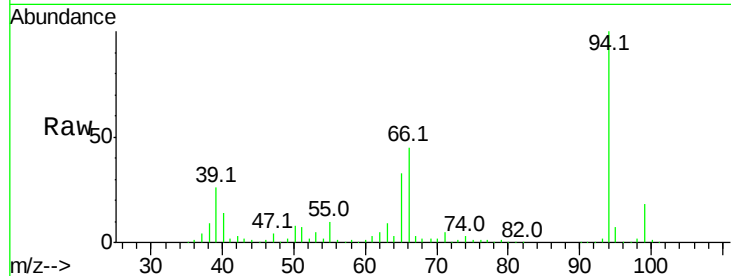
94 100

65 32.8 12.9 52.9

66 44.5 32.7 72.7

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#17

2-Methylphenol

Concen: 116.52 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.02 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

Tgt Ion: 107 Resp: 1098334

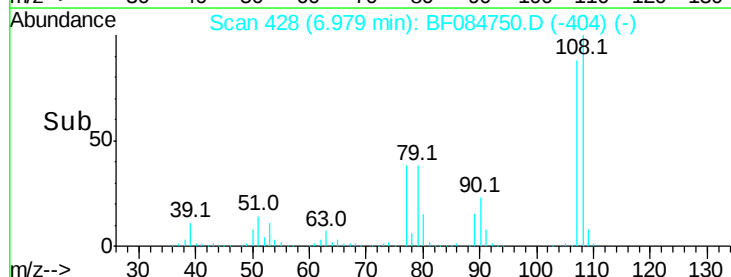
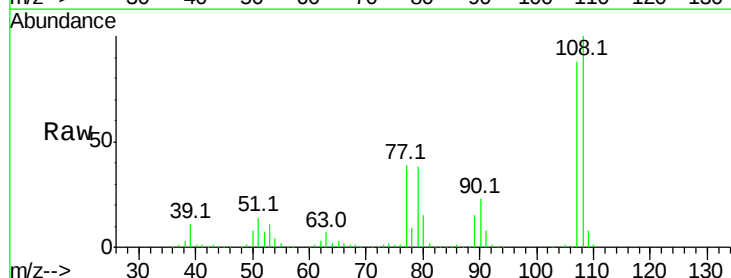
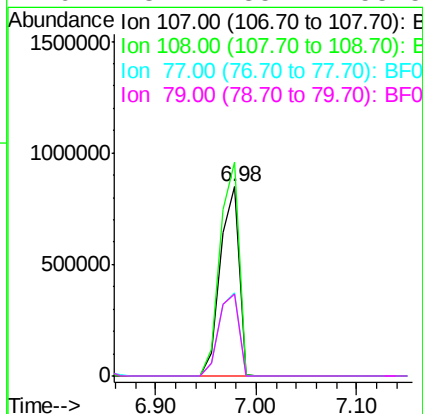
Ion Ratio Lower Upper

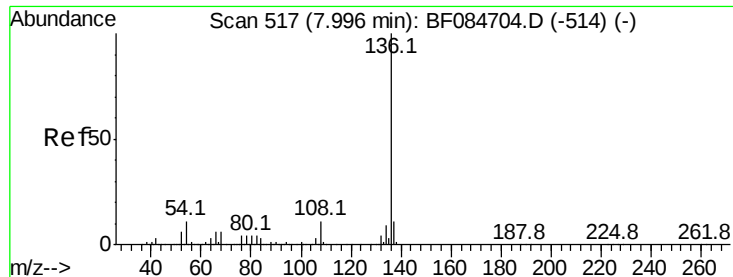
107 100

108 113.0 89.8 134.6

77 43.9 35.7 53.5

79 43.2 35.7 53.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

Instrument :

BNA_F

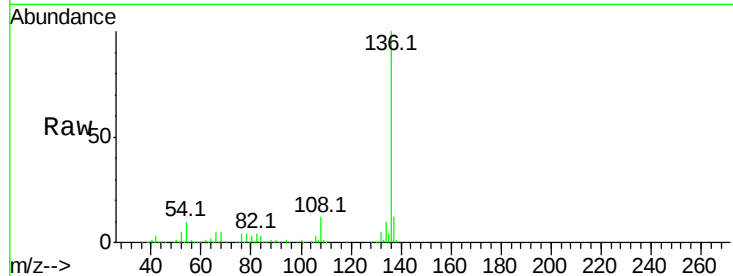
ClientSampled :

9035

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.6	8.7	13.1
54	9.9	5.8	8.8
68	5.2	4.2	6.2

Manual Integrations
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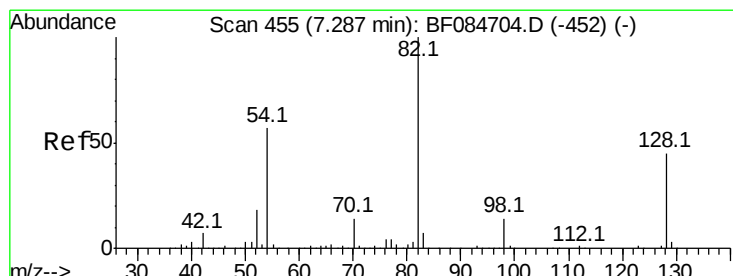
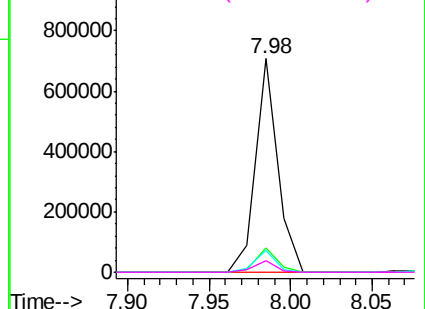
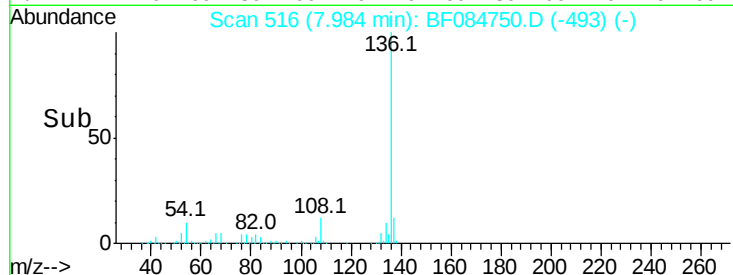


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 97.72 ng

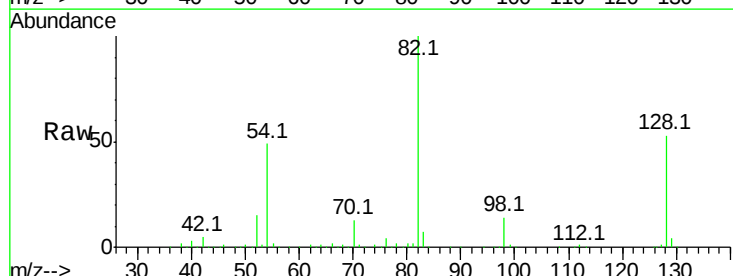
RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

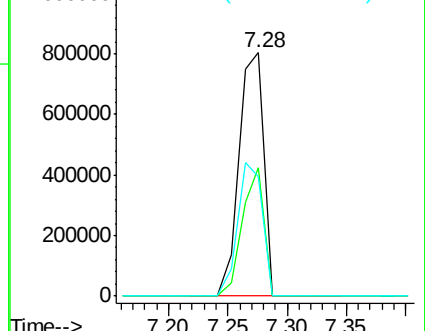
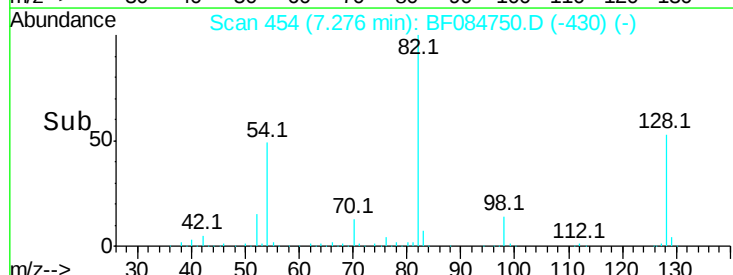
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	52.7	34.6	51.8
54	49.1	38.4	57.6

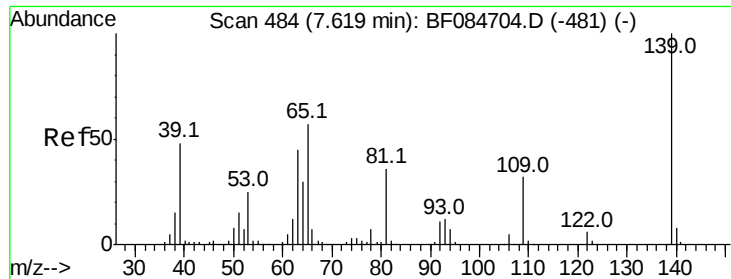


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





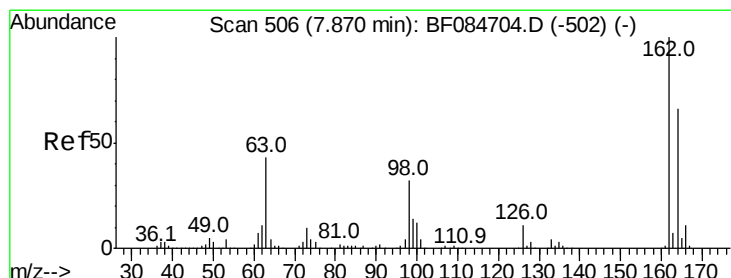
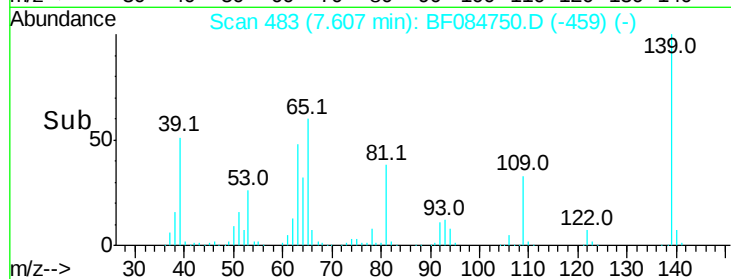
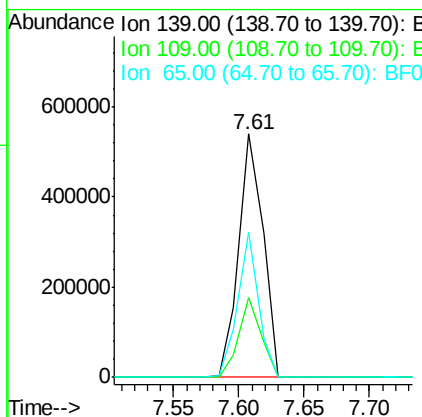
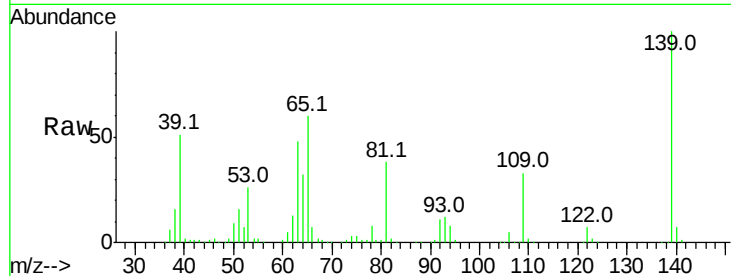
#26
2-Nitrophenol
Concen: 110.77 ng
RT: 7.61 min Scan# 483
Delta R.T. -0.02 min
Lab File: BF084750.D
Acq: 2 Feb 2016 15:32

Instrument :
BNA_F
ClientSampled :
9035

Tot Ion	Ratio	Resp Lower	Upper
139	100		
109	32.7	25.4	38.2
65	59.5	32.3	48.5

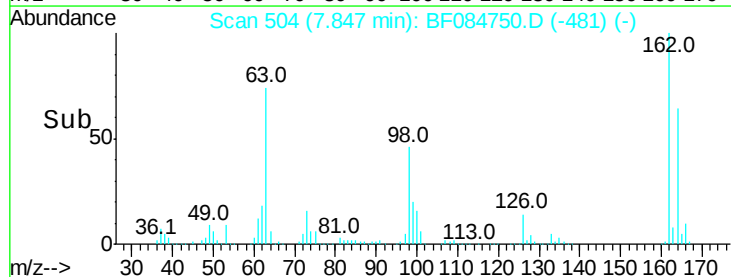
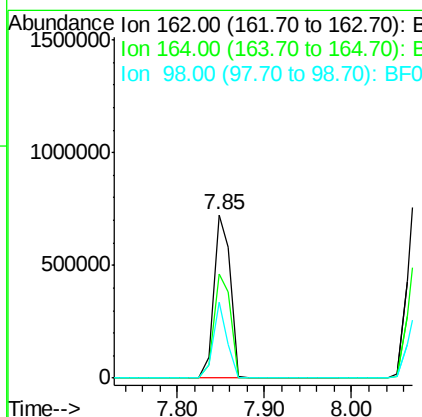
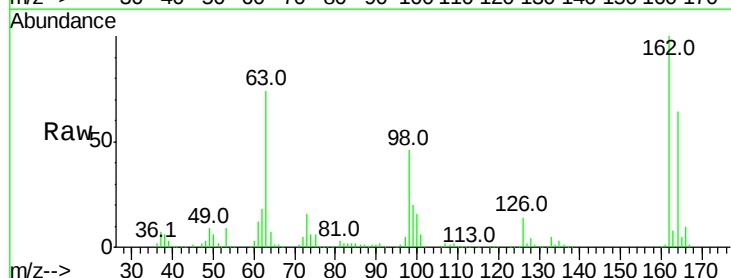
Manual Integrations
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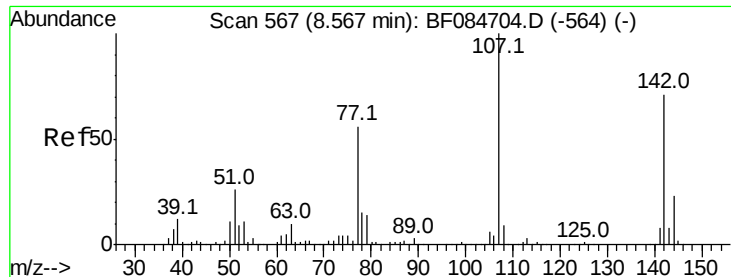
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#29
2,4-Dichlorophenol
Concen: 103.49 ng
RT: 7.85 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF084750.D
Acq: 2 Feb 2016 15:32

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
164	63.5	44.1	84.1
98	46.3	20.2	60.2





#36

4-Chloro-3-methylphenol

Concen: 89.73 ng

RT: 8.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

Instrument :

BNA_F

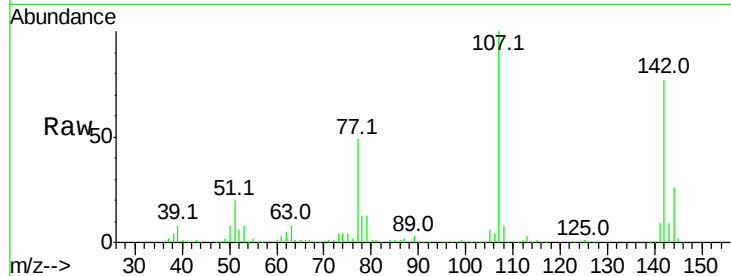
ClientSampled :

9035

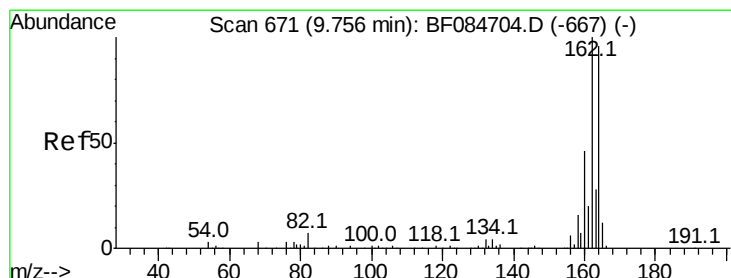
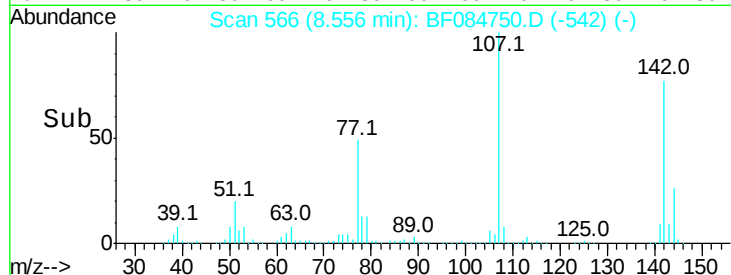
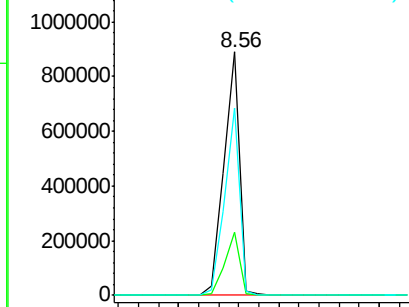
Tot Ion:	107	Resp:	958665
Ion Ratio	Lower	Upper	
107	100		
144	26.1	19.7	29.5
142	77.0	61.8	92.6

Manual Integrations
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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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

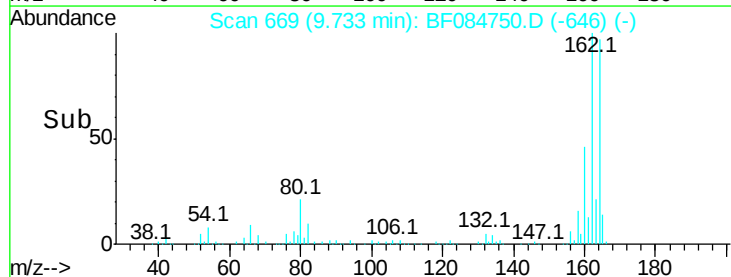
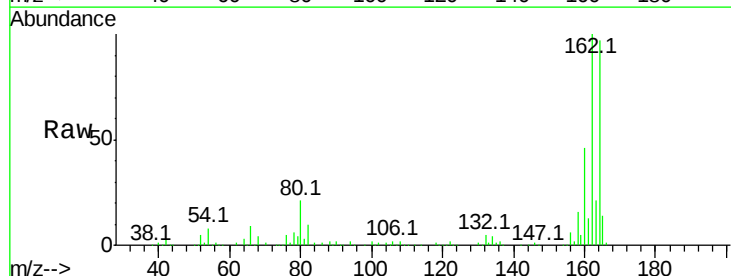
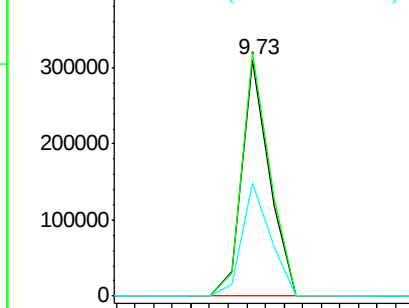
Delta R.T. -0.03 min

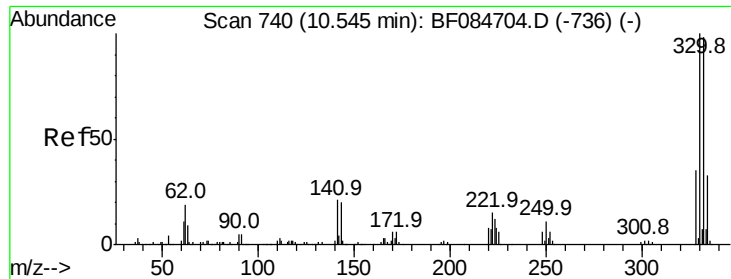
Lab File: BF084750.D

Acq: 2 Feb 2016 15:32

Tgt Ion:	164	Resp:	316843
Ion Ratio	Lower	Upper	
164	100		
162	103.0	85.1	127.7
160	47.7	37.5	56.3

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





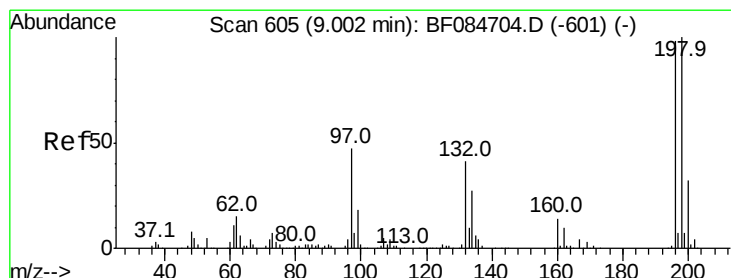
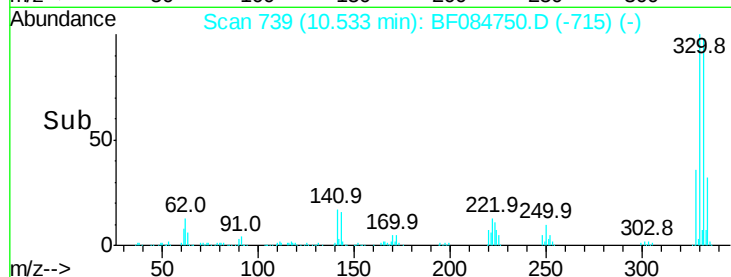
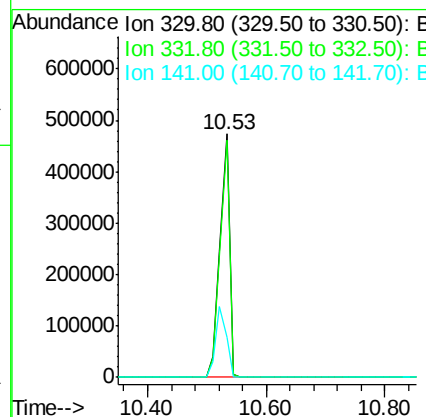
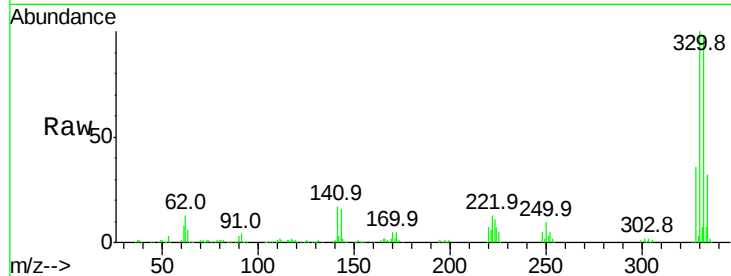
#41
 2,4,6-Tribromophenol
 Concen: 160.78 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Instrument :
 BNA_F
 ClientSampleId :
 9035

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.6	114.8	
141	32.2	27.8	41.6	

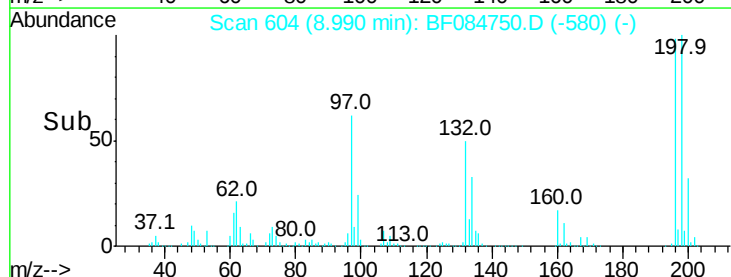
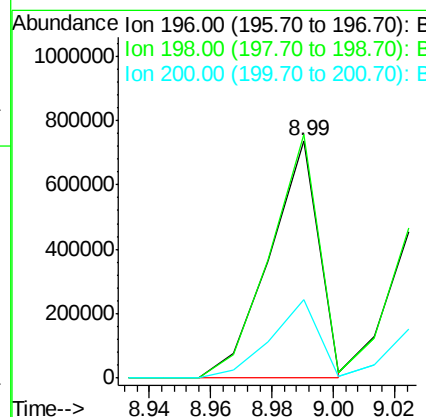
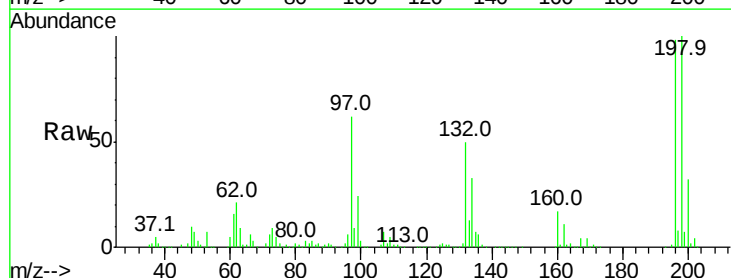
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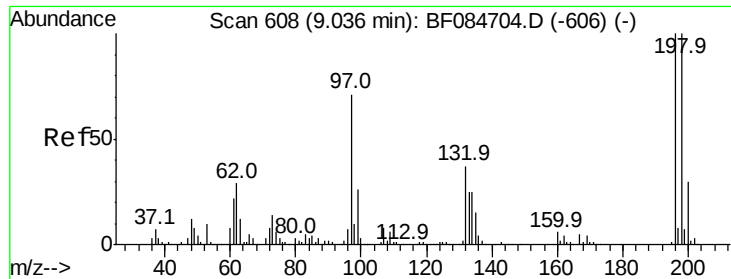
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#42
 2,4,6-Trichlorophenol
 Concen: 126.42 ng m
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	102.4	77.7	116.5	
200	33.0	24.6	37.0	





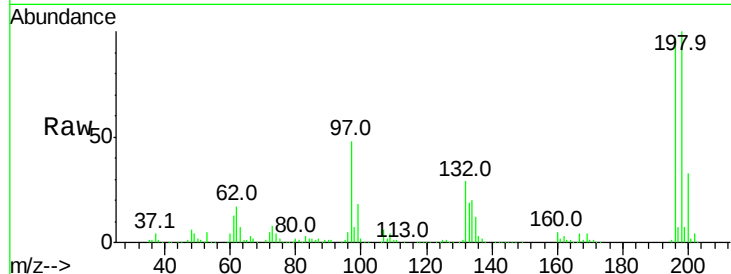
#43
 2,4,5-Trichlorophenol
 Concen: 62.93 ng/mL
 RT: 9.02 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Instrument :
 BNA_F
 ClientSampled :
 9035

Tot Ion	196	Resp	414524
Ion Ratio	Lower	Upper	
196	100		
198	102.9	79.0	118.6
97	49.1	33.0	49.6
132	29.5	21.1	31.7

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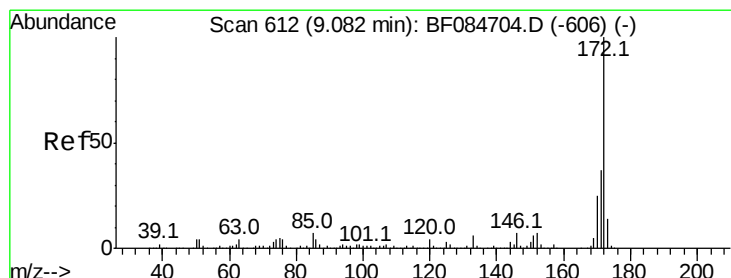
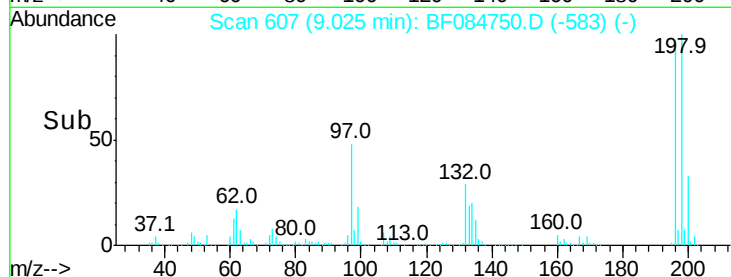
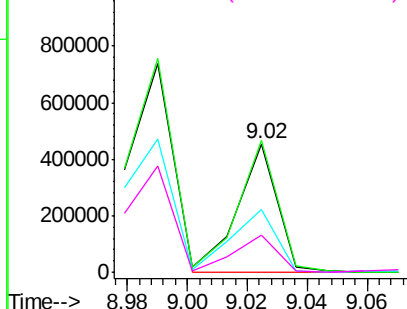
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

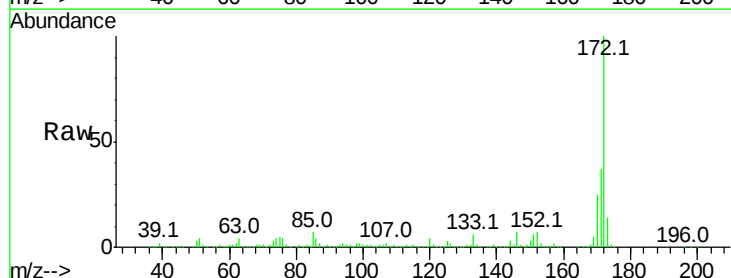
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 117.44 ng/mL
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Tgt Ion	172	Resp	1928364
Ion Ratio	Lower	Upper	
172	100		
171	36.9	28.9	43.3
170	25.4	18.6	27.8

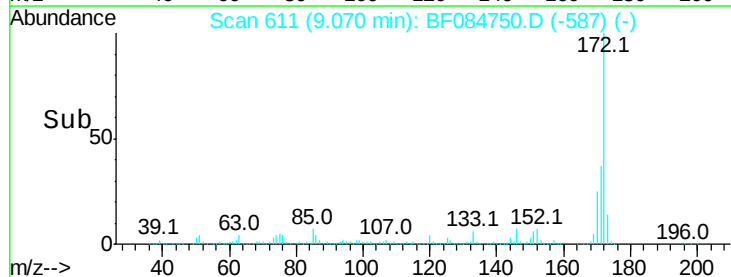
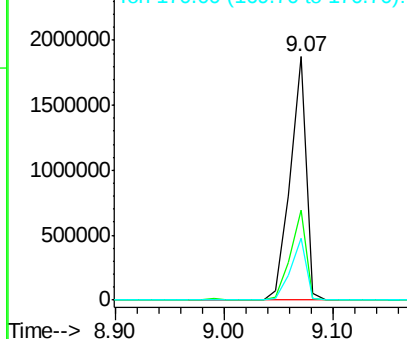


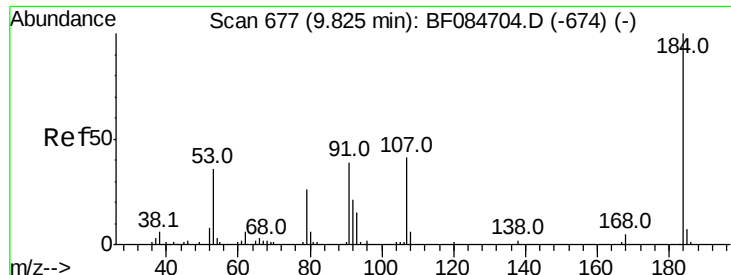
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





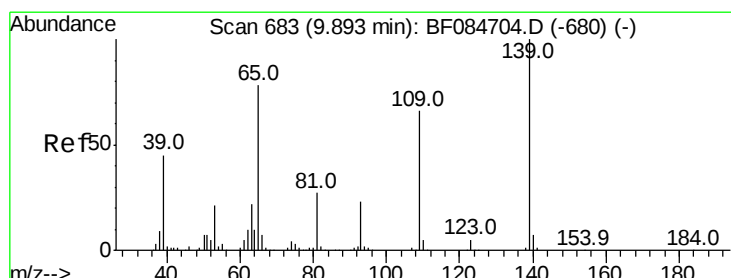
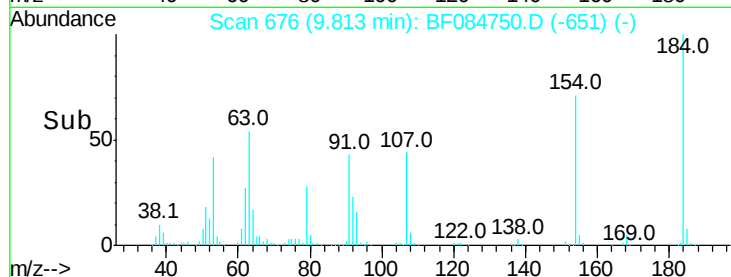
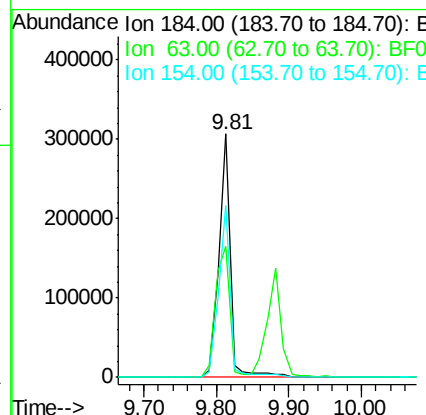
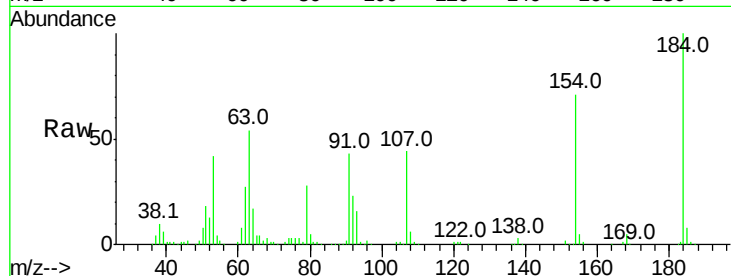
#53
 2,4-Dinitrophenol
 Concen: 135.15 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Instrument :
 BNA_F
 ClientSampleId :
 9035

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	53.8	43.1	64.7	
154	70.5	60.5	90.7	

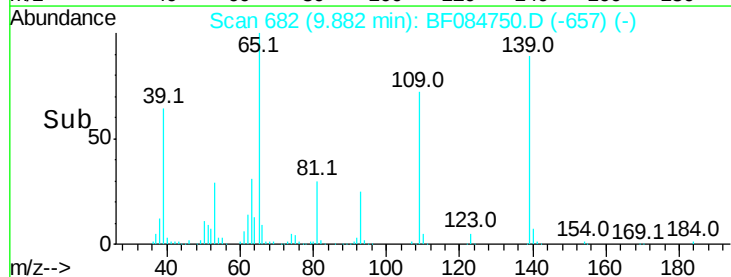
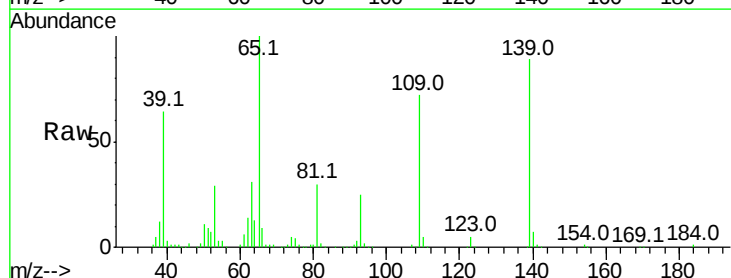
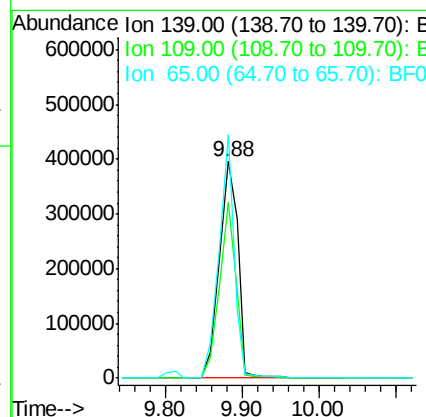
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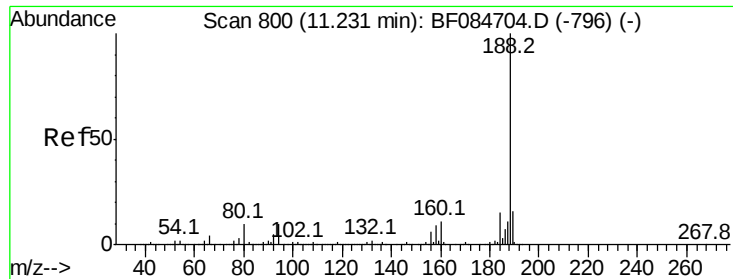
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#55
 4-Nitrophenol
 Concen: 154.46 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	81.2	58.5	98.5	
65	112.5	57.6	97.6	





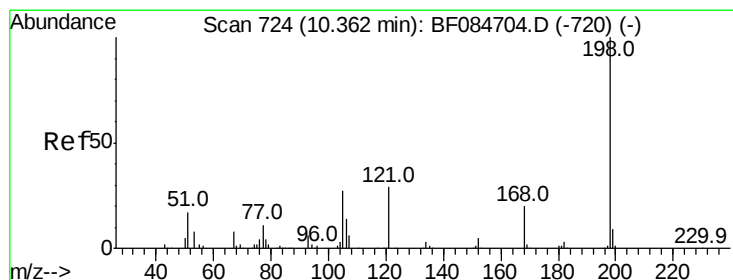
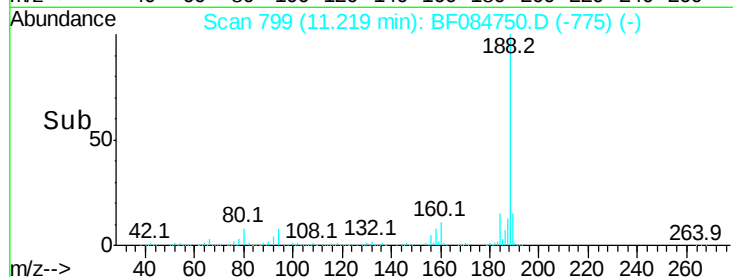
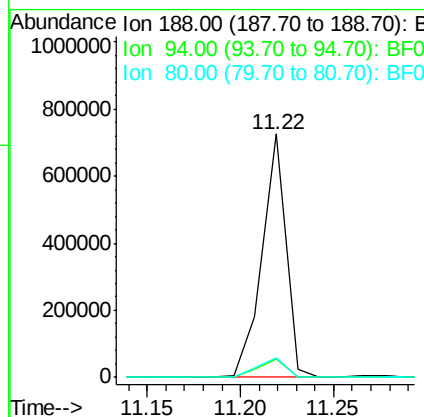
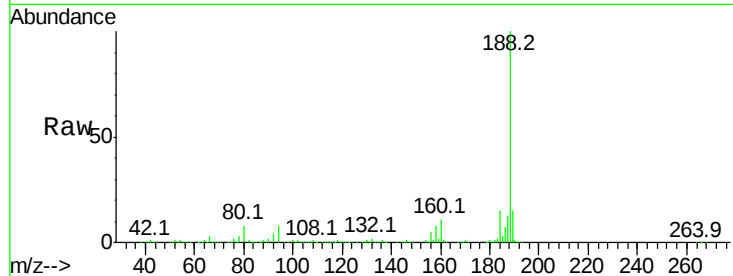
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084750.D
Acq: 2 Feb 2016 15:32

Instrument :
BNA_F
ClientSampleId :
9035

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	9.0	13.4#
80	8.2	9.6	14.4#

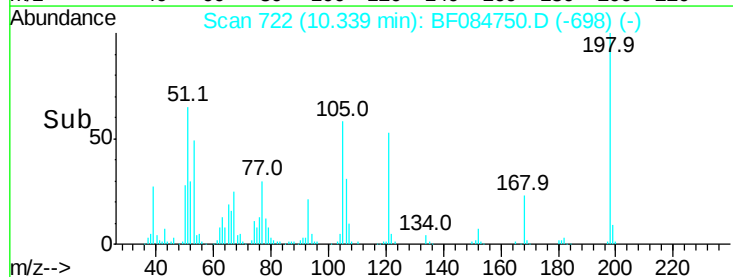
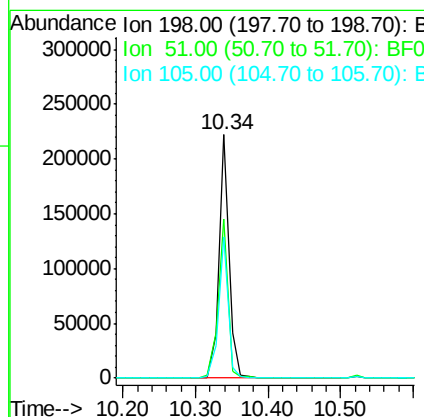
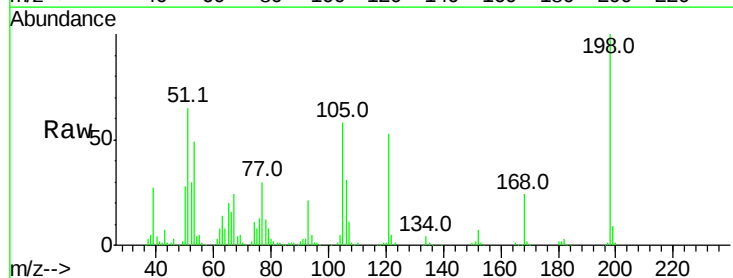
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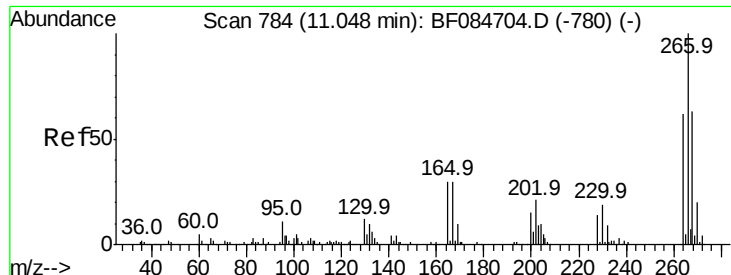
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#64
4,6-Dinitro-2-methylphenol
Concen: 54.46 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF084750.D
Acq: 2 Feb 2016 15:32

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	65.3	18.9	58.9#
105	57.8	26.4	66.4





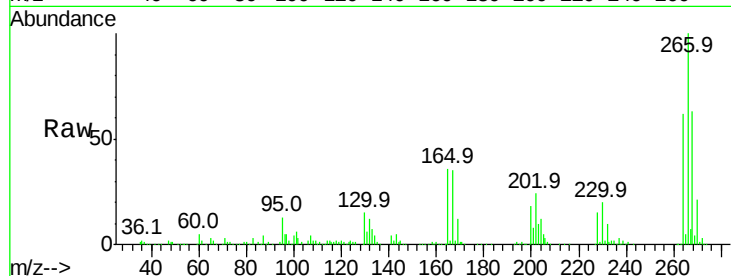
#69
 Pentachlorophenol
 Concen: 135.17 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Instrument :
 BNA_F
 ClientSampled :
 9035

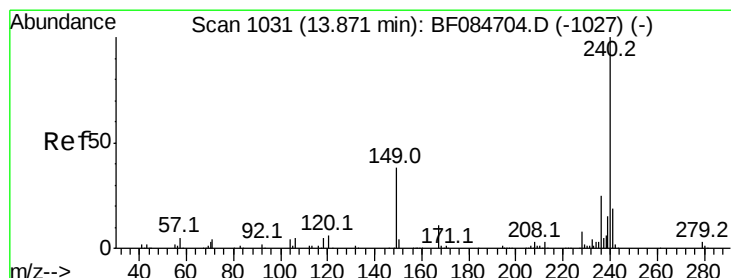
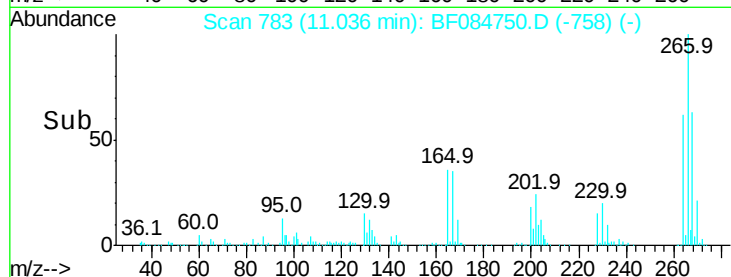
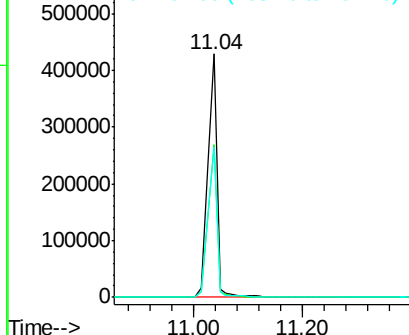
Tot Ion	Ratio	Resp	Lower	Upper
266	100	492631		
268	62.6	52.4	78.6	
264	61.6	50.2	75.2	

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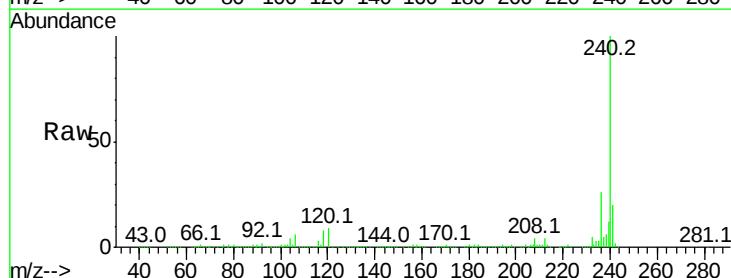


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

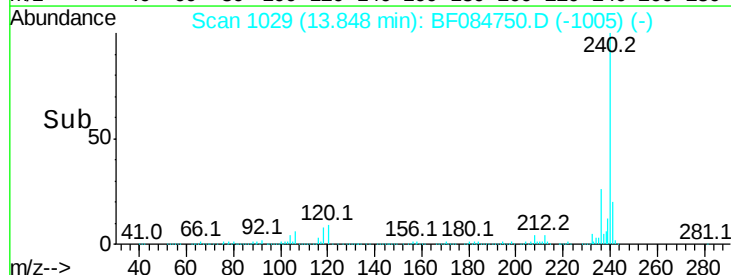
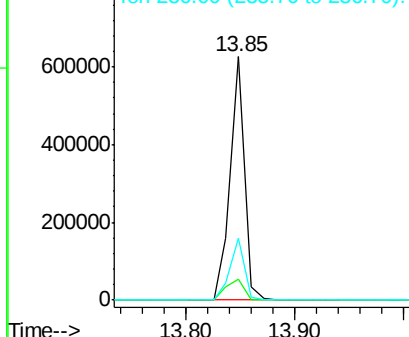


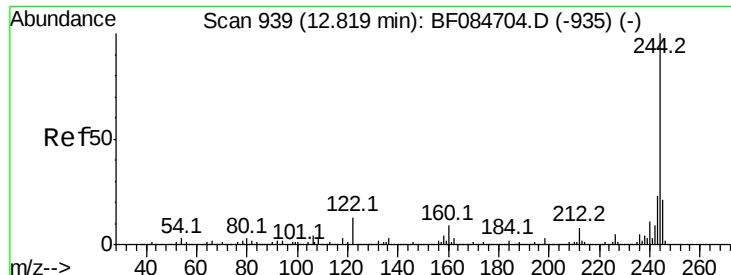
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	571923		
120	8.7	9.5	14.3#	
236	25.7	20.6	31.0	



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





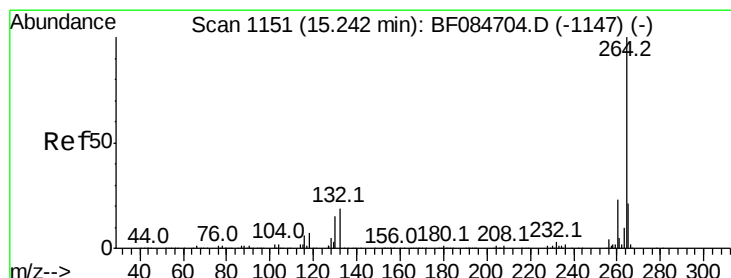
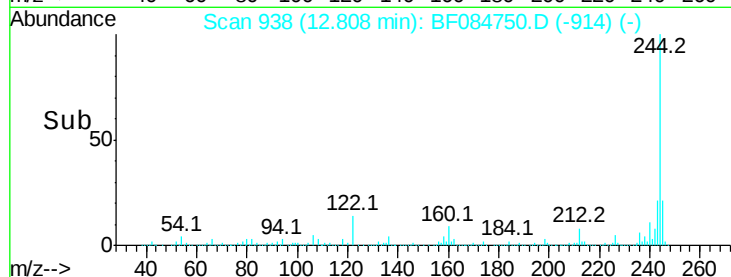
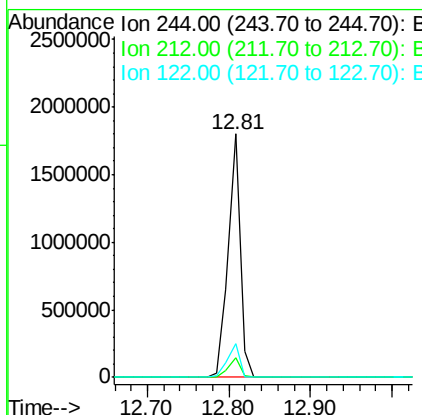
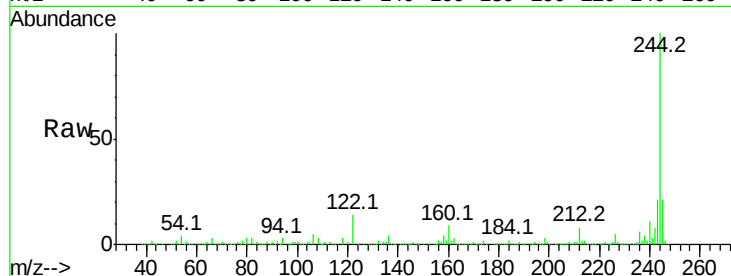
#78
 Terphenyl-d14
 Concen: 73.08 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Instrument :
 BNA_F
 ClientSampleId :
 9035

Tot Ion:244 Resp: 1844476
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 14.1 7.4 11.0#

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: BF084750.D
 Acq: 2 Feb 2016 15:32

Tgt Ion:264 Resp: 443981
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 21.4 17.8 26.6

