

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092633.D
 Acq On : 30 Jan 2017 15:00
 Operator : SJ/MA
 Sample : I1305-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0035

Manual Integrations
 APPROVED

mohammad
 1/31/2017 4:44:45 PM

Quant Time: Jan 30 15:30:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	158979	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	637250	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	363845	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	570536	20.00	ng	0.00
75) Chrysene-d12	14.13	240	571215	20.00	ng	-0.01
86) Perylene-d12	15.61	264	458471	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1475834	159.26	ng	0.01
7) Phenol-d6	6.61	99	1992944	167.15	ng	0.01
23) Nitrobenzene-d5	7.53	82	1111471	97.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	420081	159.63	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1935886	96.39	ng	0.00
78) Terphenyl-d14	13.08	244	1771843	72.88	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.75	128	781061	76.40	ng	95
17) 2-Methylphenol	7.22	107	687479	78.39	ng	96
20) 3+4-Methylphenols	7.38	107	2054747	195.95	ng	# 65
27) 2,4-Dimethylphenol	7.90	122	670326	68.33	ng	97
29) 2,4-Dichlorophenol	8.11	162	1227124	134.13	ng	90
36) 4-Chloro-3-methylphenol	8.81	107	794291	83.27	ng	100
42) 2,4,6-Trichlorophenol	9.25	196	784448m	116.89	ng	
43) 2,4,5-Trichlorophenol	9.29	196	604062m	82.15	ng	
53) 2,4-Dinitrophenol	10.08	184	426361	153.72	ng	# 71
55) 4-Nitrophenol	10.14	139	523304	119.96	ng	# 81
64) 4,6-Dinitro-2-methylphenol	10.61	198	422745	117.63	ng	85
69) Pentachlorophenol	11.31	266	318248	102.44	ng	99

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

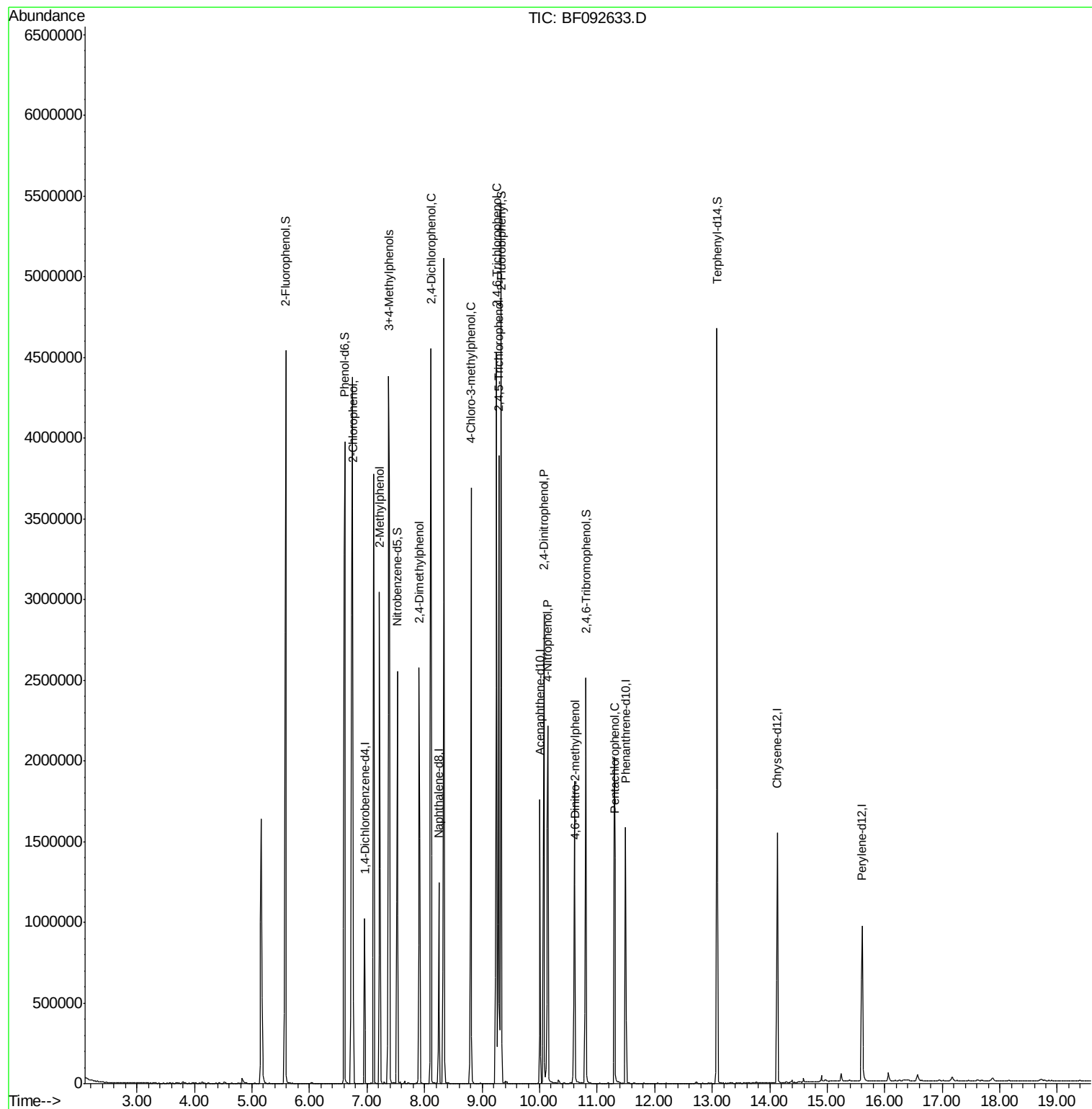
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
Data File : BF092633.D
Acq On : 30 Jan 2017 15:00
Operator : SJ/MA
Sample : I1305-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

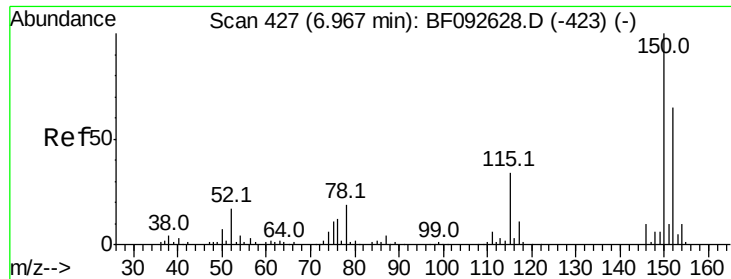
Instrument :
BNA_F
ClientSampleId :
0035

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

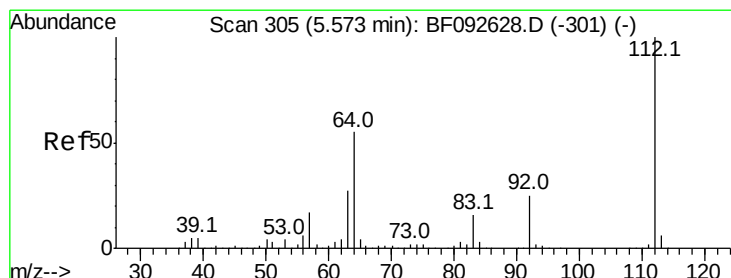
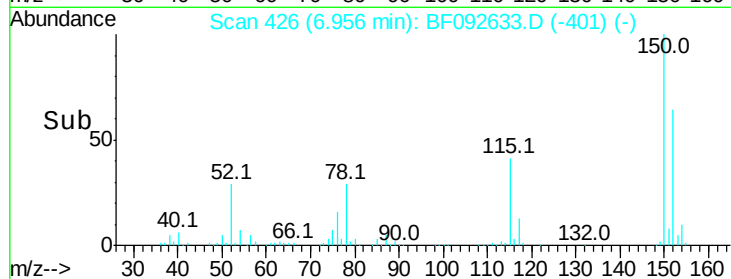
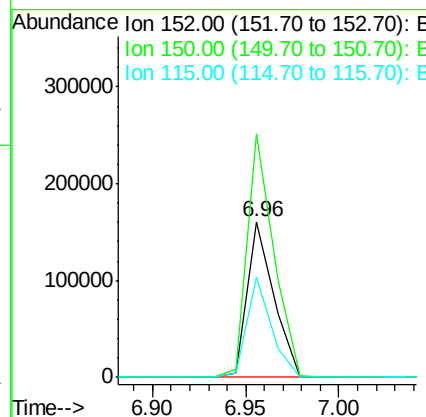
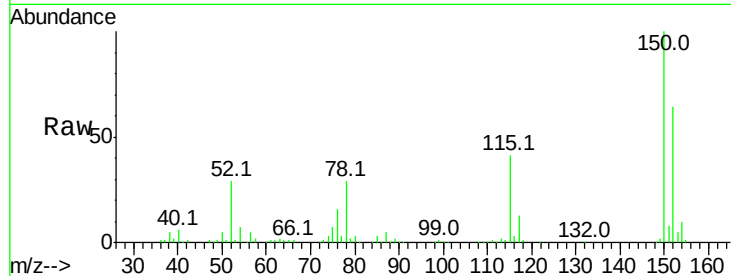
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Instrument :
BNA_F
ClientSampleId :
0035

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.9	187.3
115	64.5	46.0	69.0

Manual Integrations
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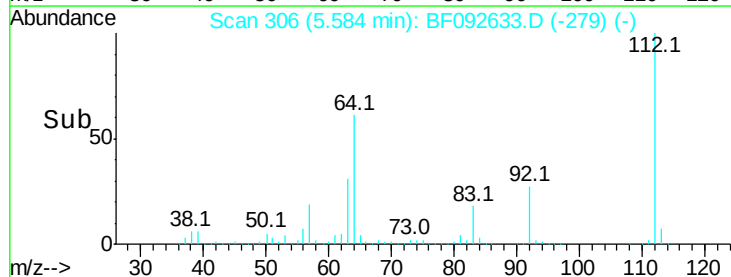
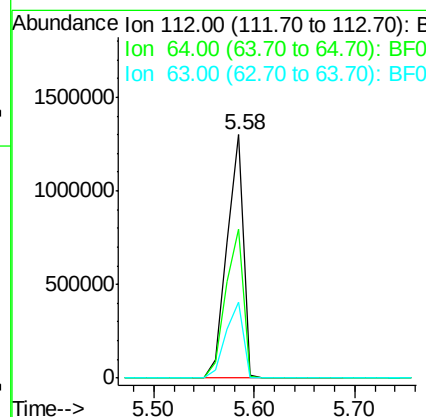
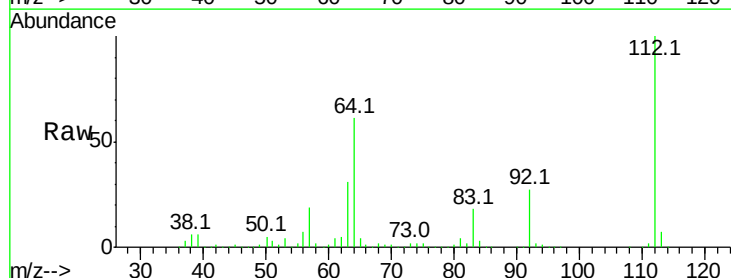
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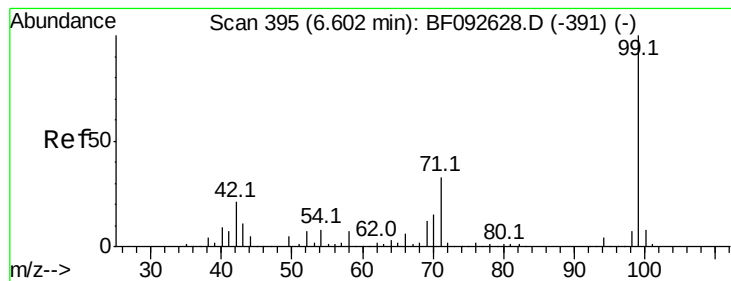


#5

2-Fluorophenol
Concen: 159.26 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	46.1	69.1
63	31.1	23.8	35.6





#7

Phenol-d6

Concen: 167.15 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092633.D

Acq: 30 Jan 2017 15:00

Instrument :

BNA_F

ClientSampleId :

0035

Tot Ion: 99 Resp: 1992944

Ion Ratio Lower Upper

99 100

42 17.1 15.6 23.4

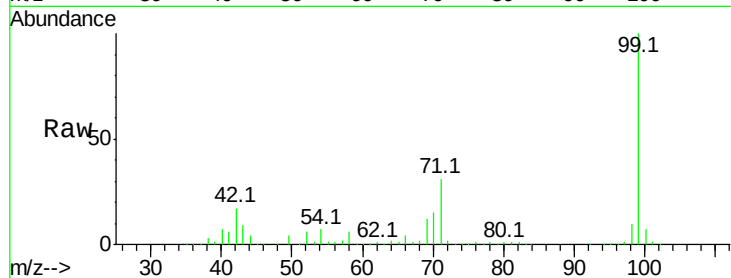
71 31.0 27.5 41.3

Manual Integrations

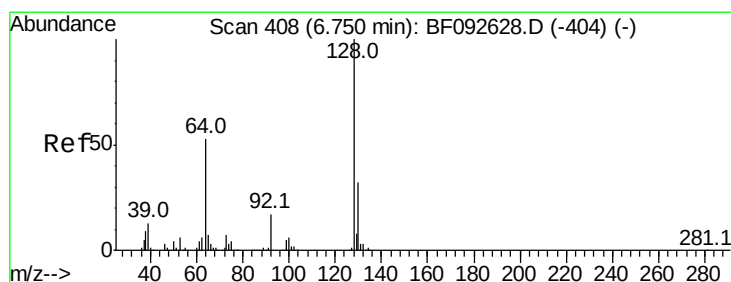
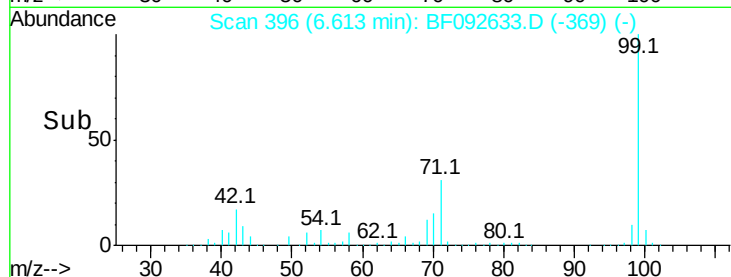
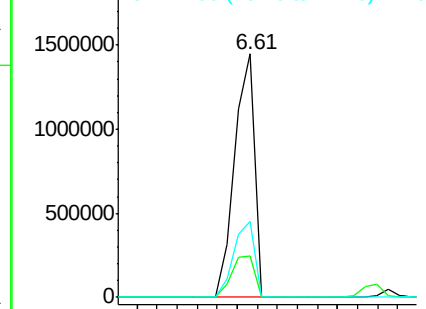
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 76.40 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF092633.D

Acq: 30 Jan 2017 15:00

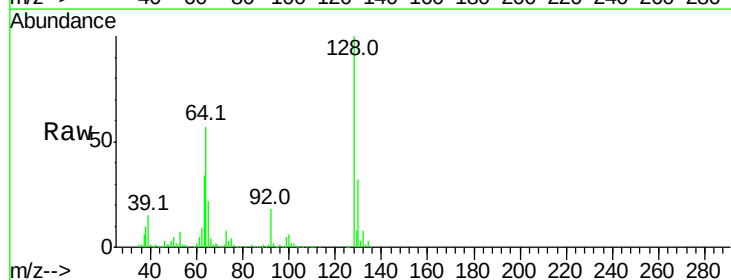
Tgt Ion:128 Resp: 781061

Ion Ratio Lower Upper

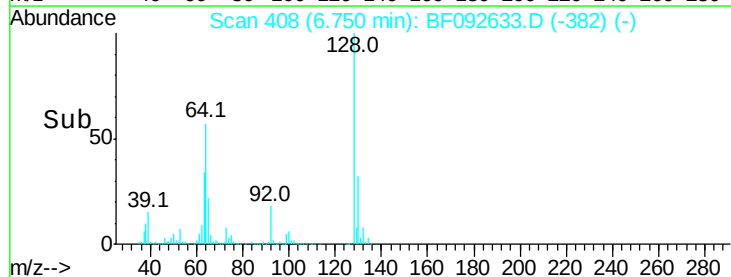
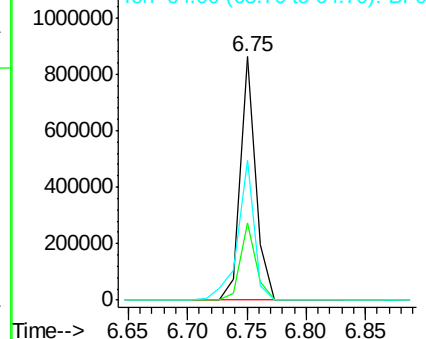
128 100

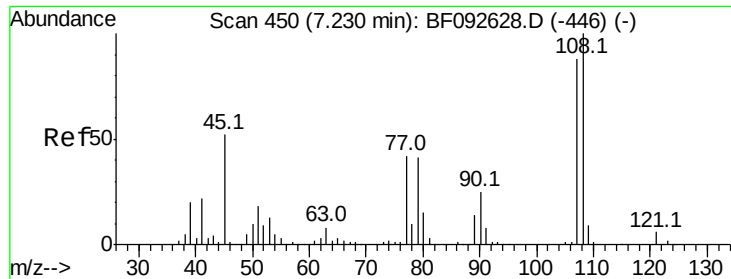
130 31.9 12.3 52.3

64 57.4 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





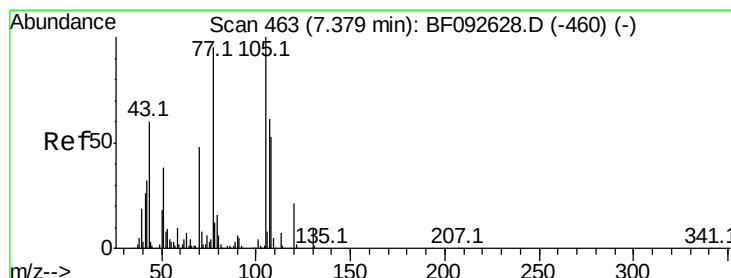
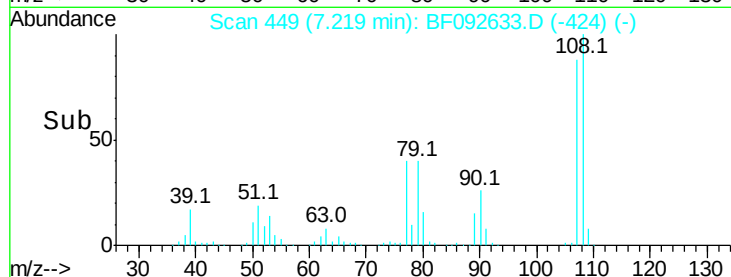
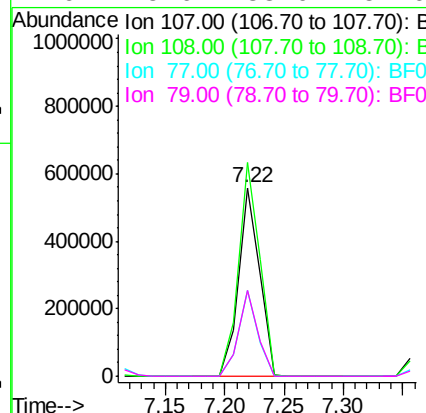
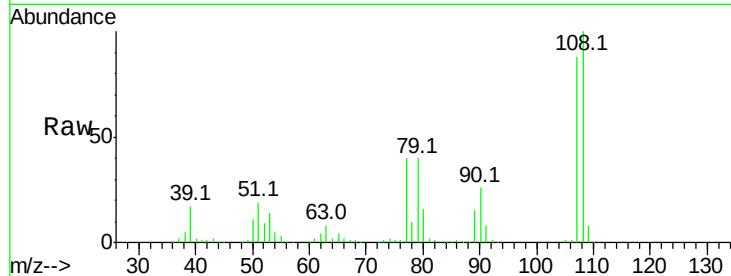
#17
2-Methylphenol
Concen: 78.39 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Instrument :
BNA_F
ClientSampled :
0035

Tot Ion	107	Resp	687479
Ion Ratio	Lower	Upper	
107	100		
108	113.2	93.0	139.6
77	45.3	39.8	59.8
79	45.6	38.0	57.0

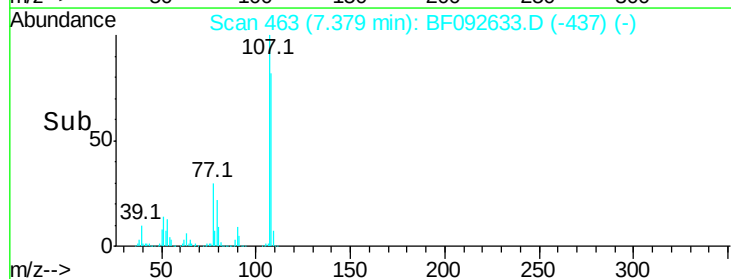
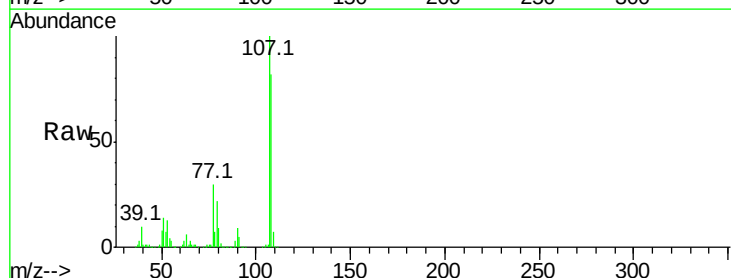
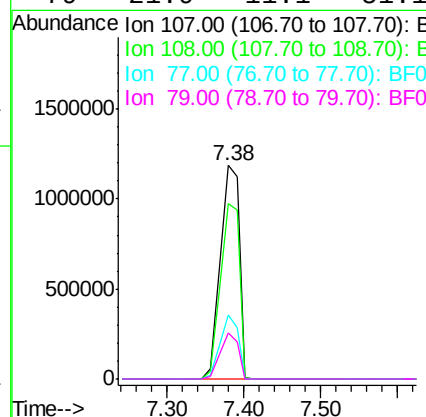
Manual Integrations
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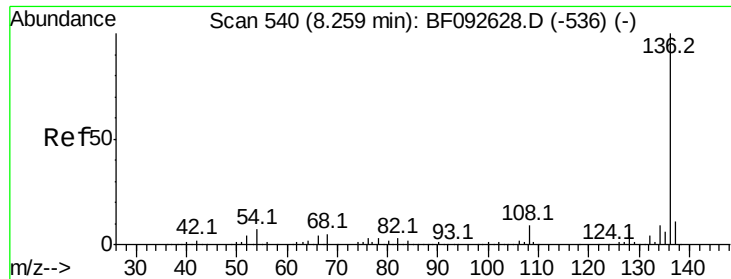
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#20
3+4-Methylphenols
Concen: 195.95 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.00 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Tgt Ion	107	Resp	2054747
Ion Ratio	Lower	Upper	
107	100		
108	81.9	73.0	113.0
77	29.7	71.3	111.3#
79	21.9	11.1	51.1





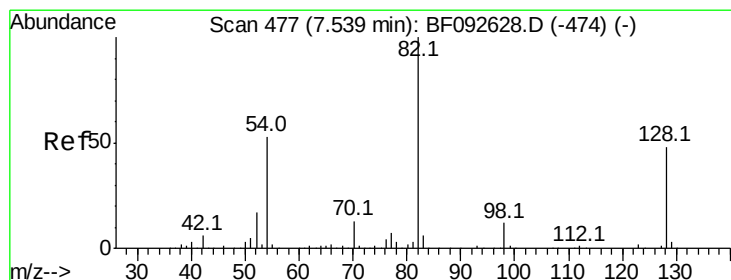
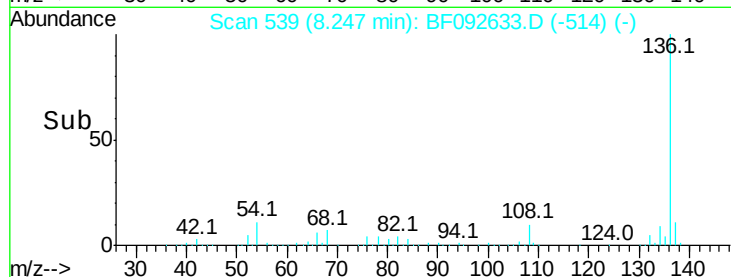
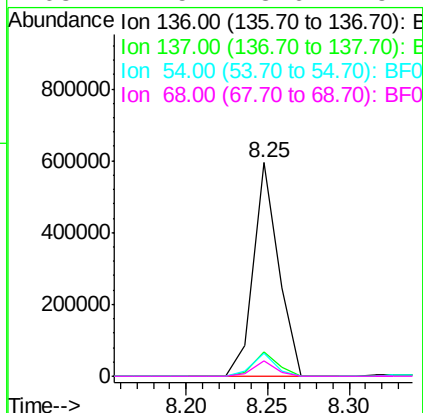
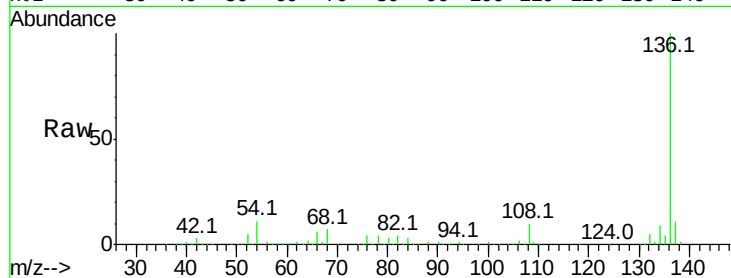
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Instrument :
BNA_F
ClientSampleId :
0035

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.4	12.6	
54	10.9	4.5	6.7	
68	7.5	3.6	5.4	

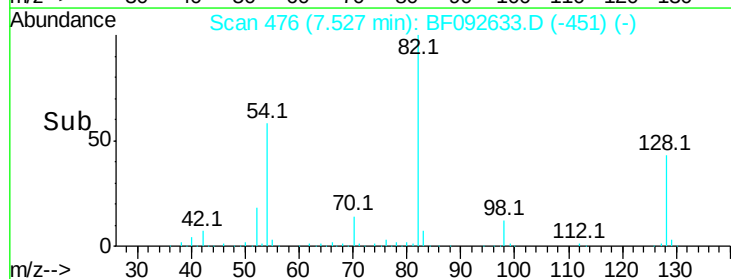
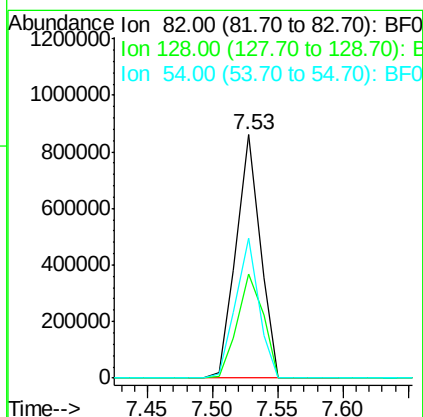
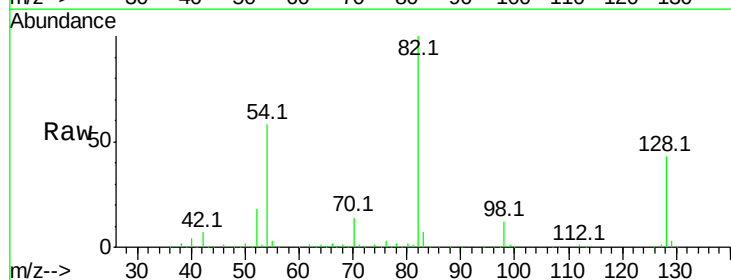
Manual Integrations
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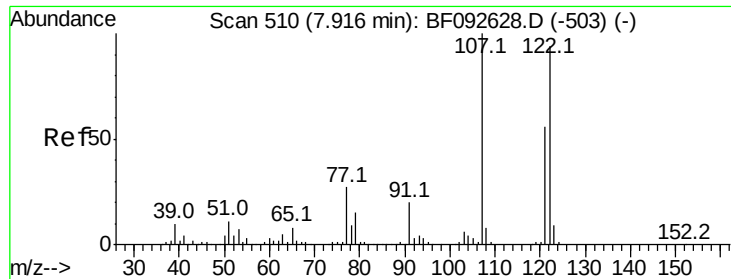
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#23
Nitrobenzene-d5
Concen: 97.13 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.6	34.6	52.0	
54	57.7	39.5	59.3	





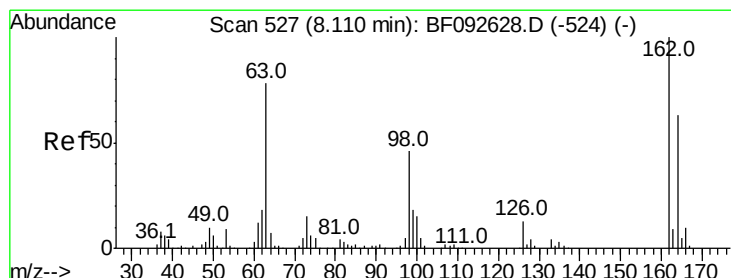
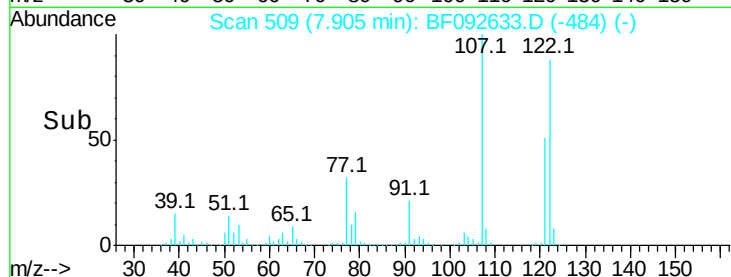
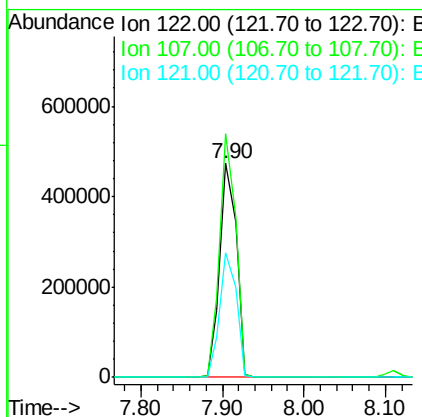
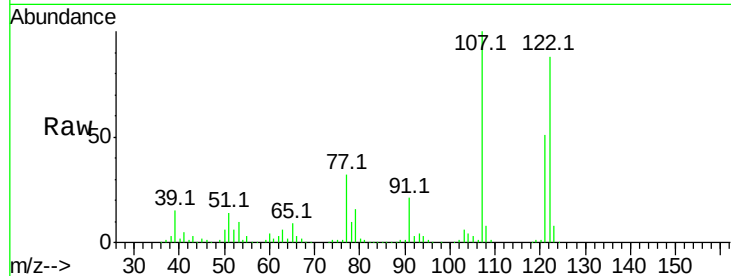
#27
2,4-Dimethylphenol
Concen: 68.33 ng
RT: 7.90 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Instrument :
BNA_F
ClientSampleId :
0035

Tot Ion	Ratio	Resp	Lower	Upper
122	100	670326		
107	113.9	94.1	141.1	
121	58.3	46.0	69.0	

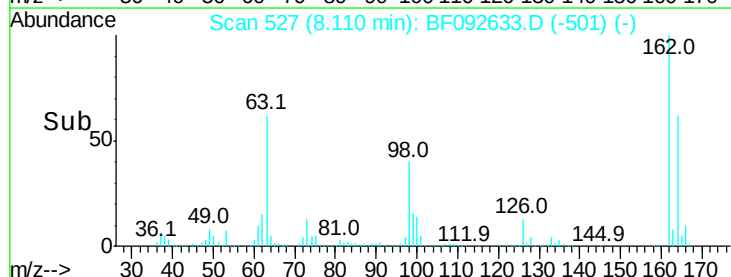
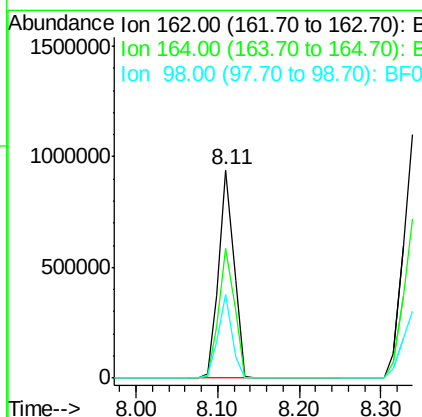
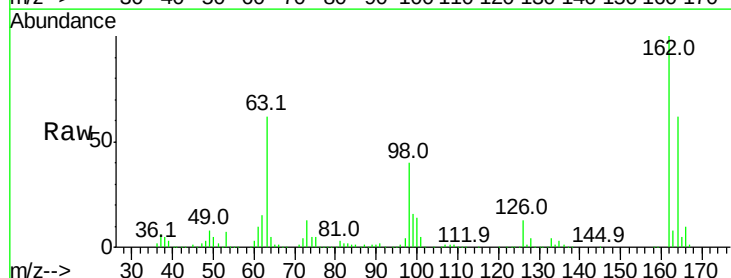
Manual Integrations
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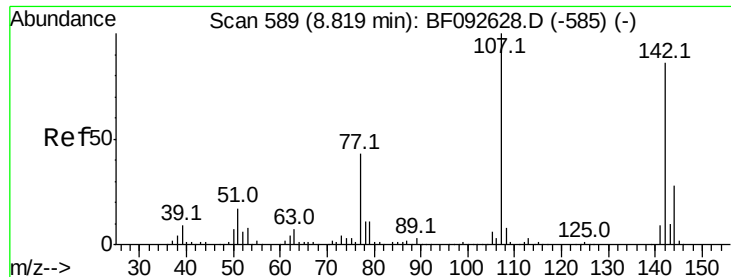
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#29
2,4-Dichlorophenol
Concen: 134.13 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	1227124		
164	62.3	46.8	86.8	
98	40.3	9.1	49.1	





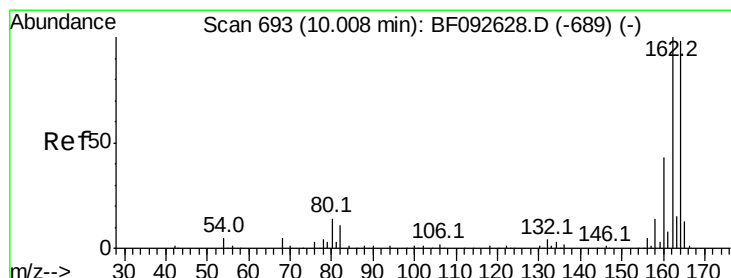
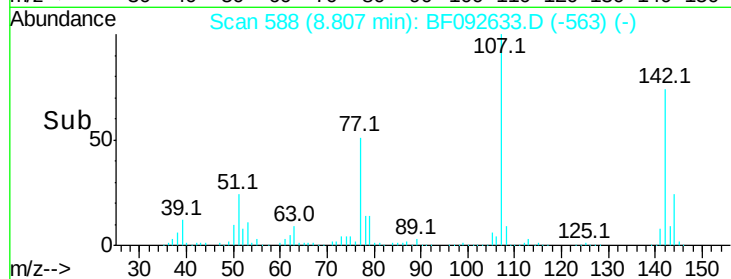
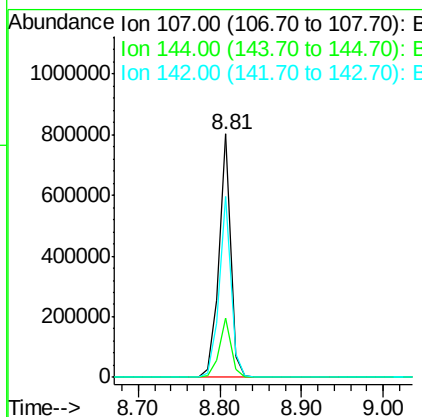
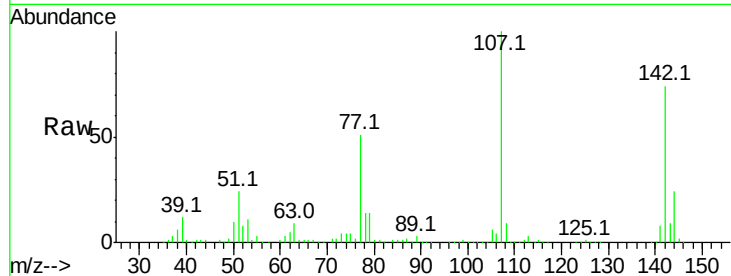
#36
 4-Chloro-3-methylphenol
 Concen: 83.27 ng
 RT: 8.81 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Instrument :
 BNA_F
 ClientSampled :
 0035

Tot Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.3	28.9
142	74.2	59.0	88.6

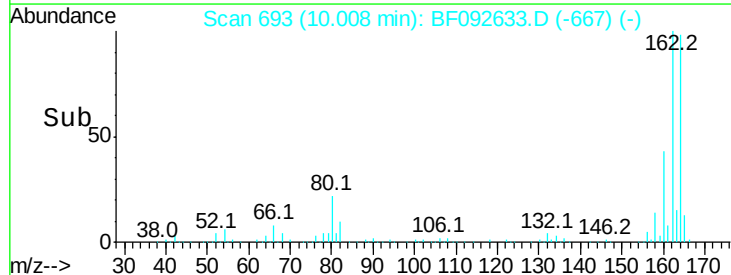
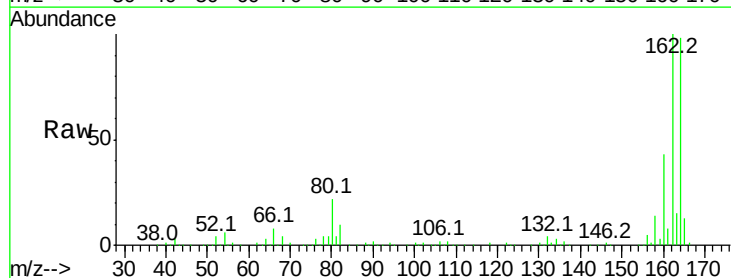
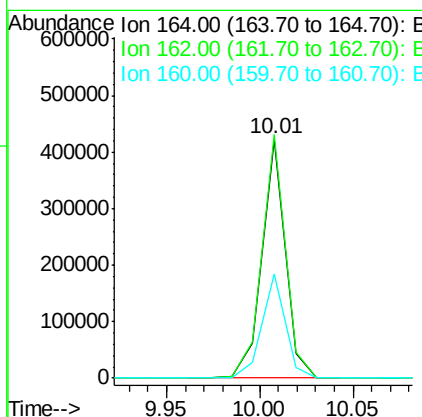
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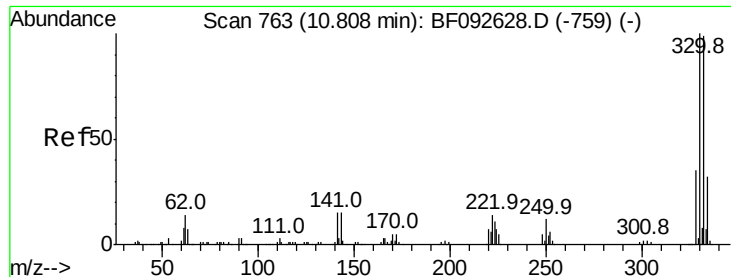
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.2
160	43.5	36.9	55.3





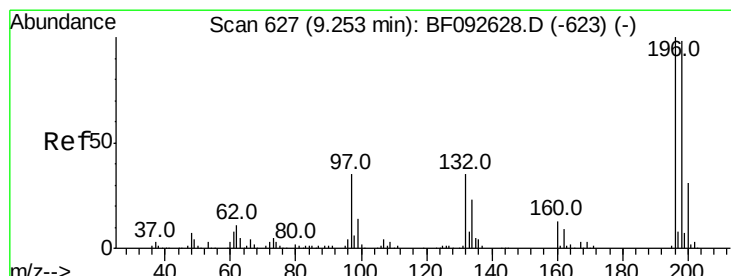
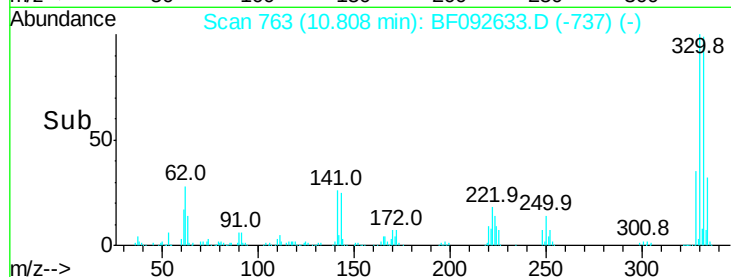
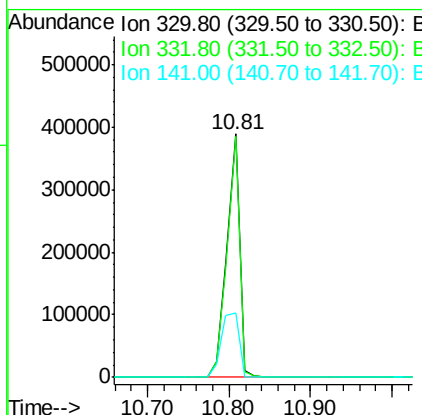
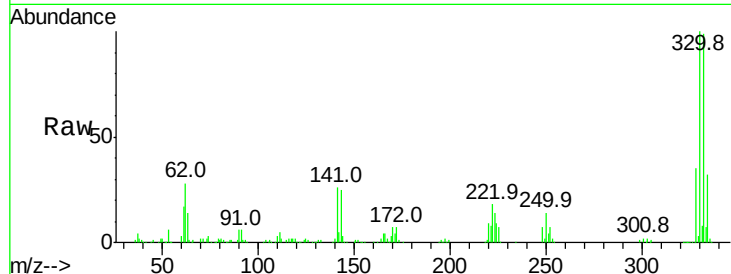
#41
 2,4,6-Tribromophenol
 Concen: 159.63 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Instrument :
 BNA_F
 ClientSampled :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
330	100	420081		
332	97.9	77.4	116.2	
141	37.0	34.1	51.1	

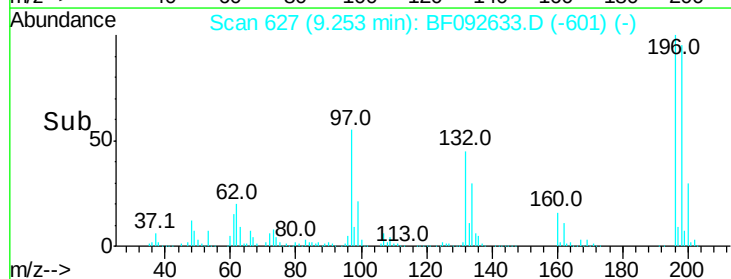
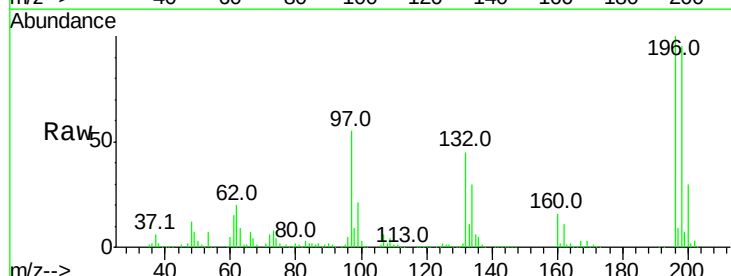
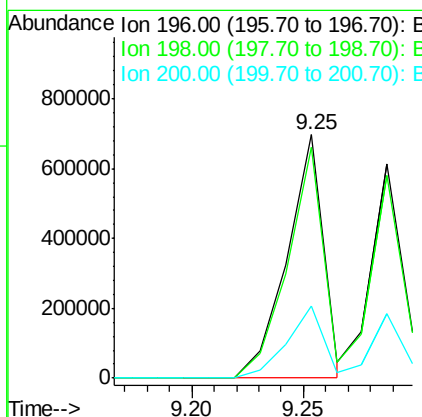
Manual Integrations
 APPROVED

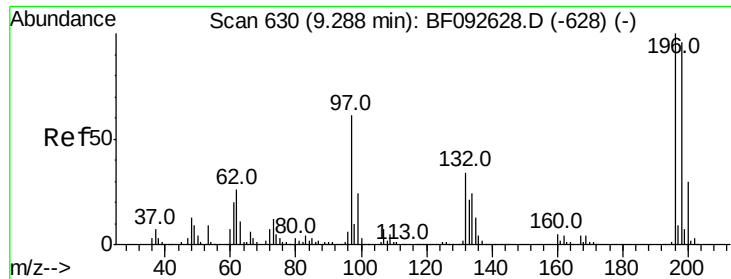
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#42
 2,4,6-Trichlorophenol
 Concen: 116.89 ng m
 RT: 9.25 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	784448		
198	95.0	82.1	123.1	
200	29.8	27.0	40.4	





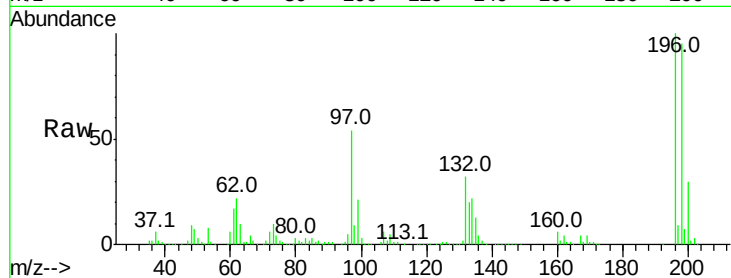
#43
 2,4,5-Trichlorophenol
 Concen: 82.15 ng/ml
 RT: 9.29 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 0035

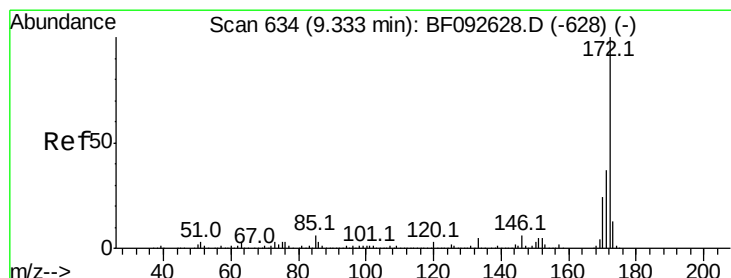
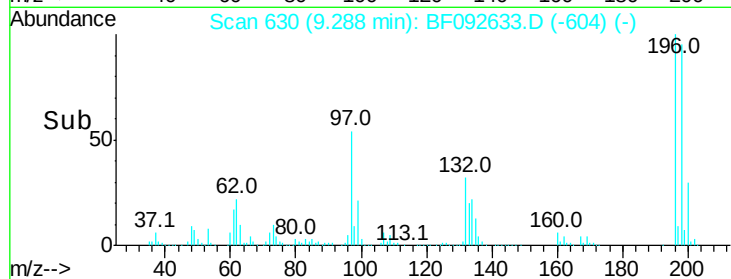
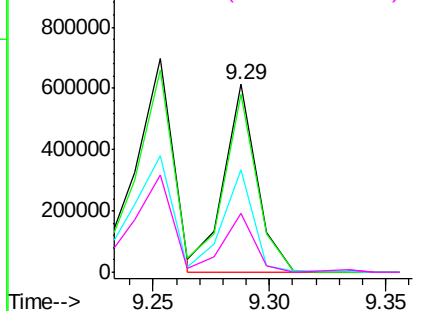
Tot Ion:	196	Resp:	604062
Ion Ratio	Lower	Upper	
196	100		
198	94.5	79.4	119.2
97	54.4	51.5	77.3
132	31.6	27.4	41.2

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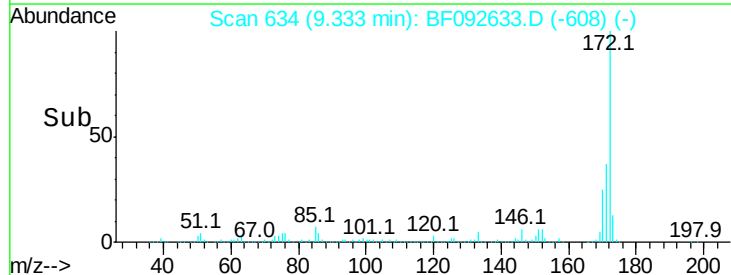
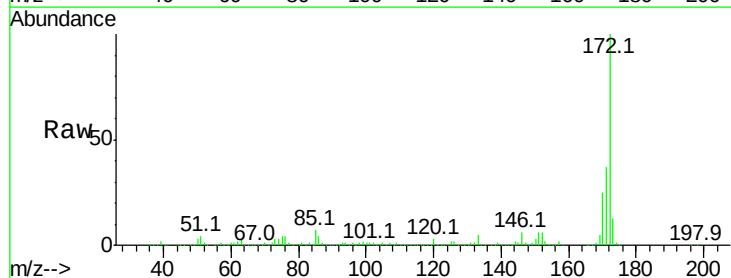
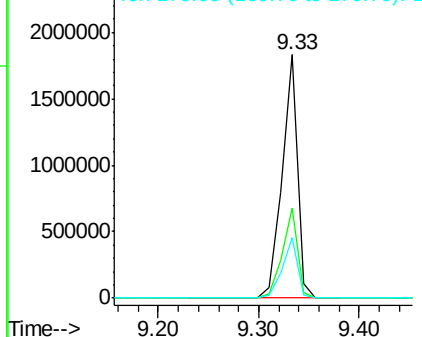
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

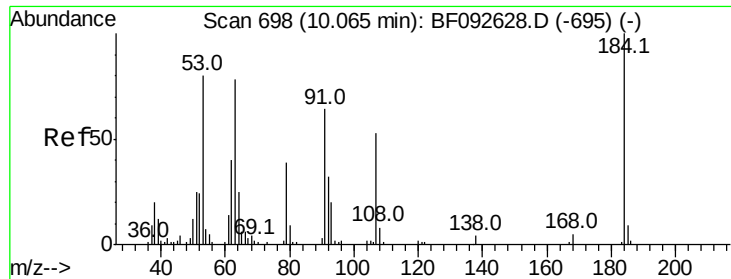


#44
 2-Fluorobiphenyl
 Concen: 96.39 ng/ml
 RT: 9.33 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Tgt Ion:	172	Resp:	1935886
Ion Ratio	Lower	Upper	
172	100		
171	36.9	29.4	44.0
170	24.8	20.2	30.4

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





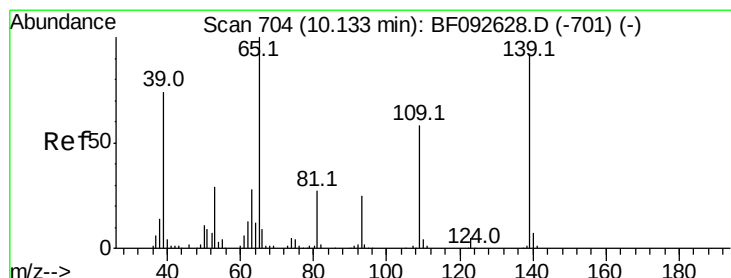
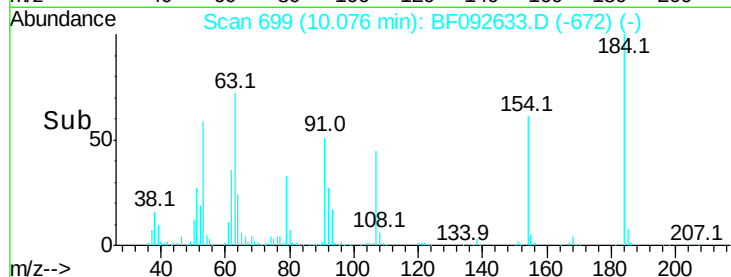
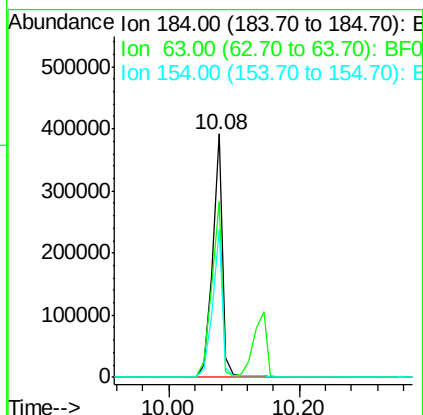
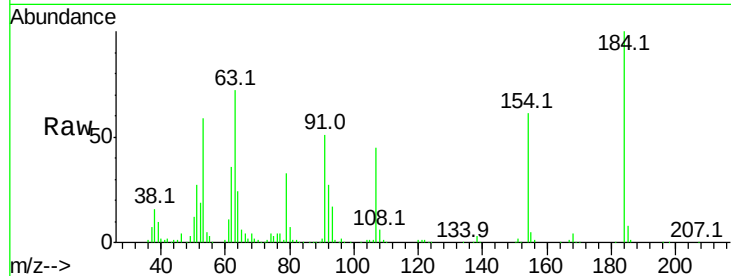
#53
2,4-Dinitrophenol
Concen: 153.72 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Instrument :
BNA_F
ClientSampled :
0035

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	72.3	28.4	42.6#	
154	60.9	44.3	66.5	

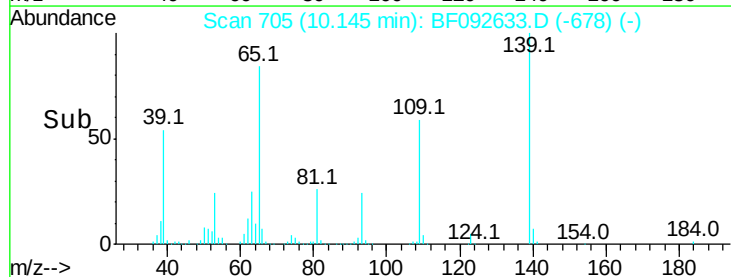
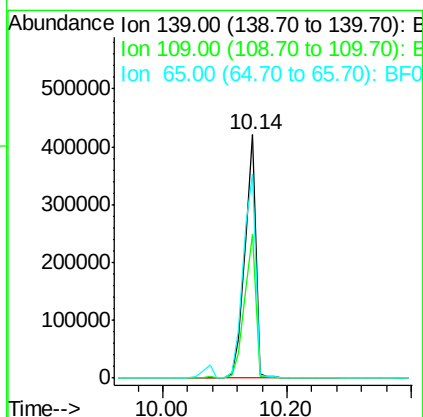
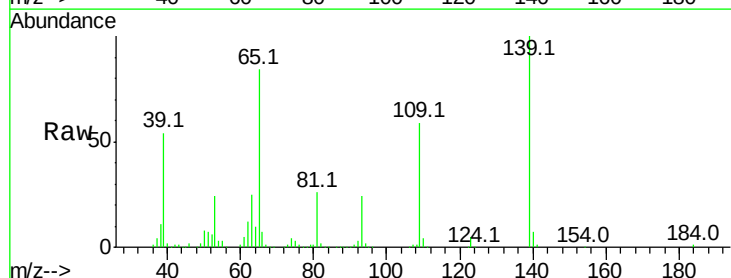
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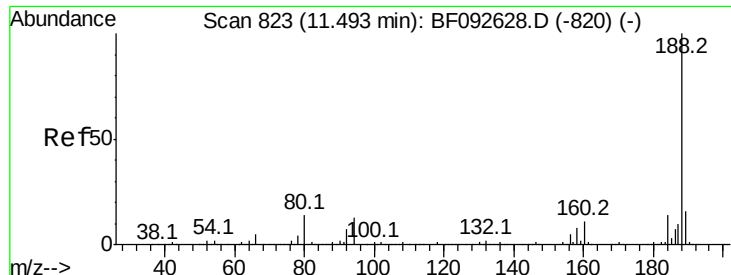
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#55
4-Nitrophenol
Concen: 119.96 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF092633.D
Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	59.0	52.2	92.2	
65	83.9	85.8	125.8#	





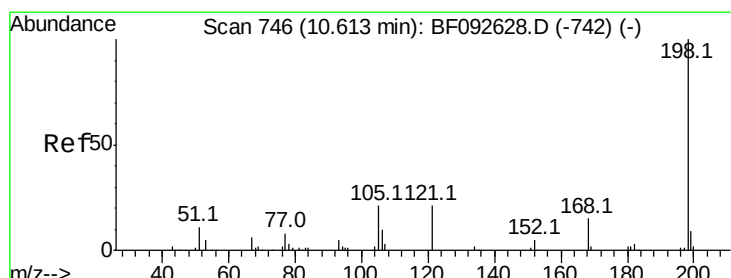
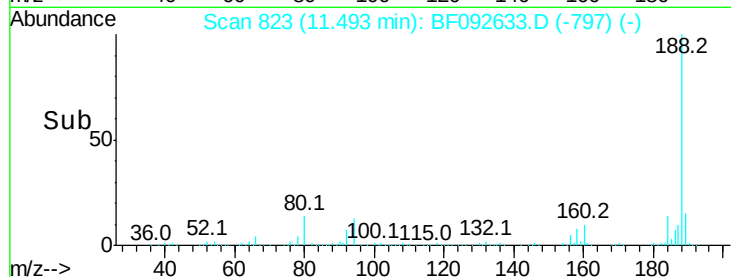
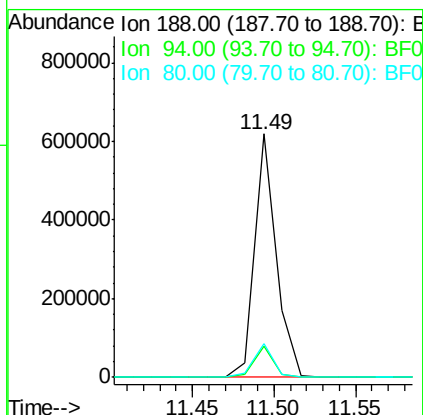
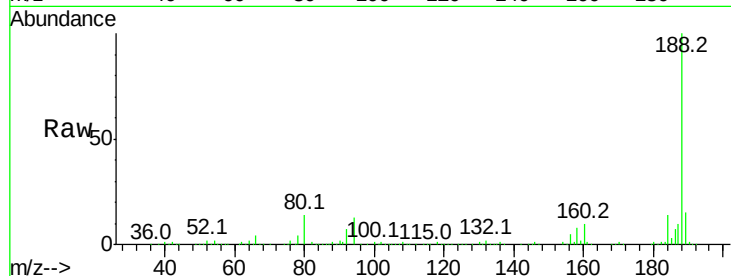
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
188	100	570536		
94	12.6		10.0	15.0
80	13.9		11.2	16.8

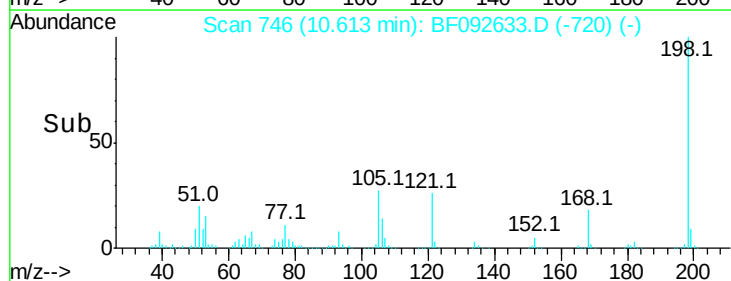
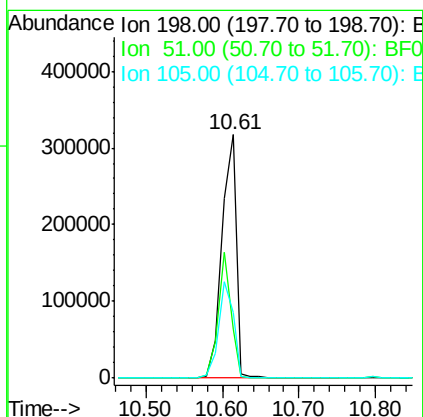
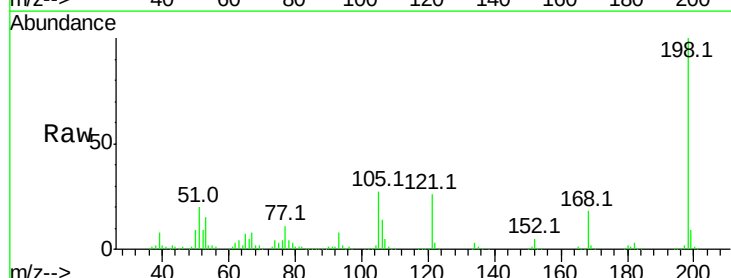
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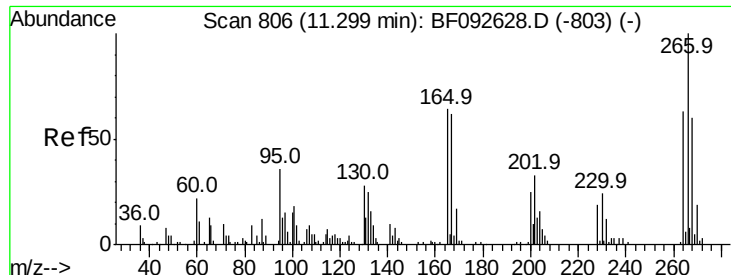
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 117.63 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	422745		
51	20.1		6.7	46.7
105	27.0		16.6	56.6





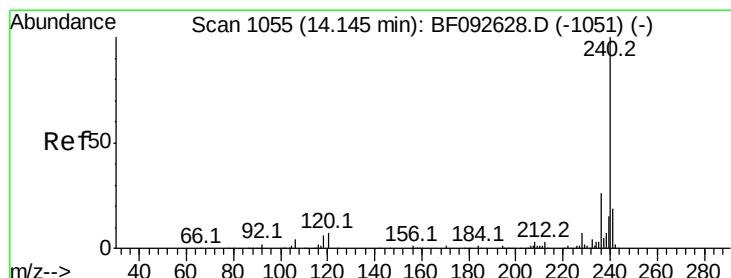
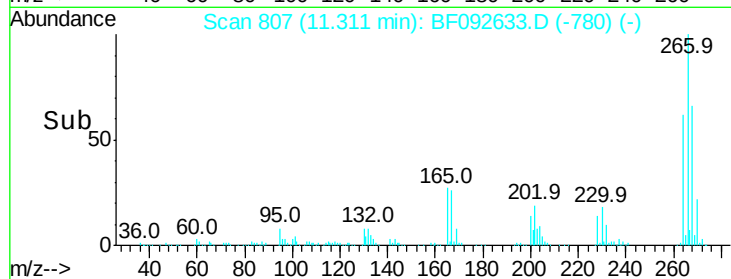
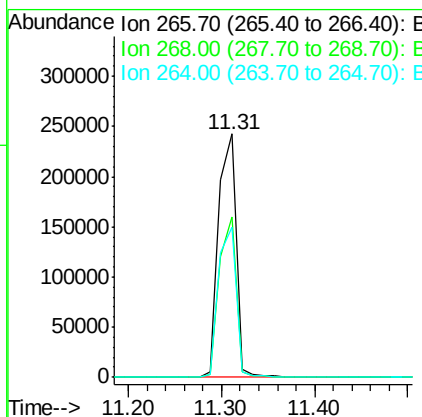
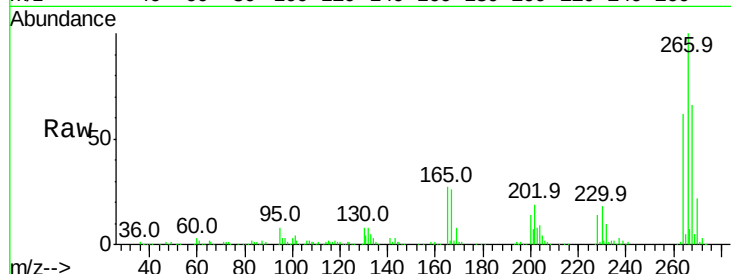
#69
 Pentachlorophenol
 Concen: 102.44 ng
 RT: 11.31 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 0035

Tot Ion	Ratio	Resp	Lower	Upper
266	100	318248		
268	66.1	53.3	79.9	
264	61.8	50.3	75.5	

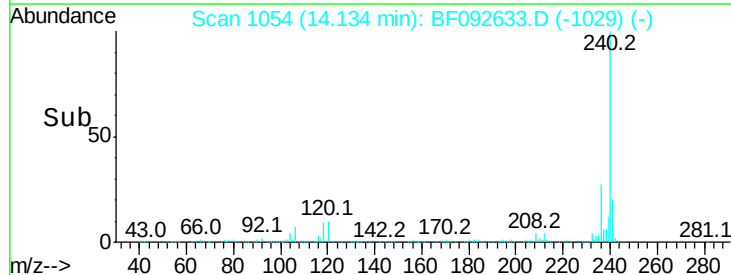
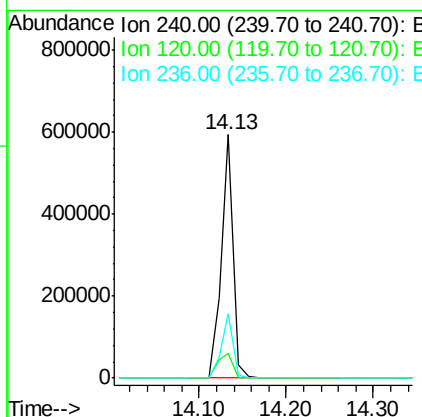
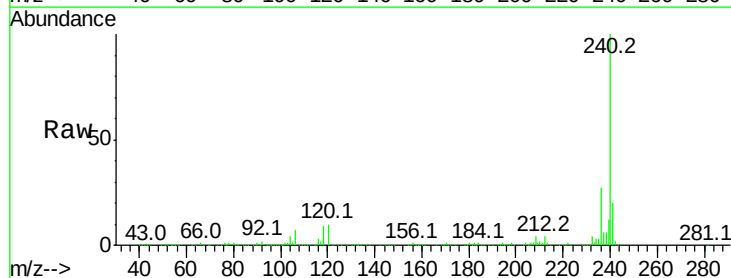
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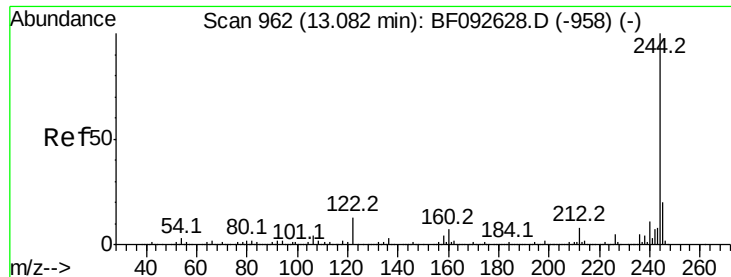
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	571215		
120	10.4	12.9	19.3#	
236	26.5	20.9	31.3	





#78
 Terphenyl-d14
 Concen: 72.88 ng
 RT: 13.08 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

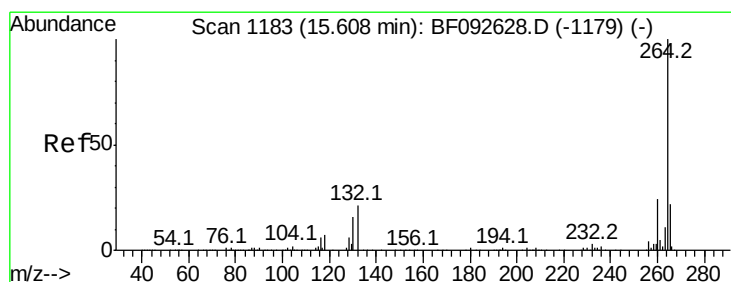
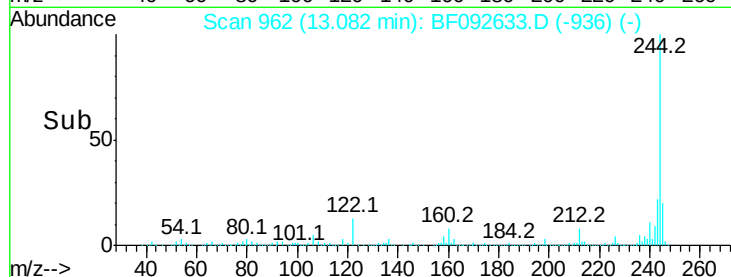
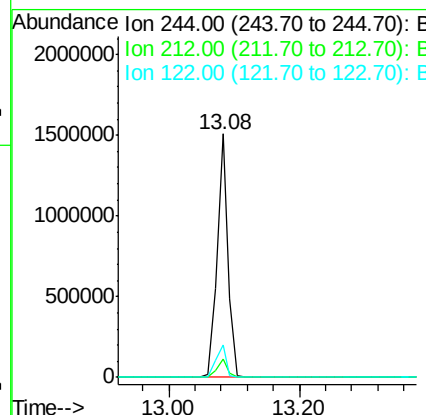
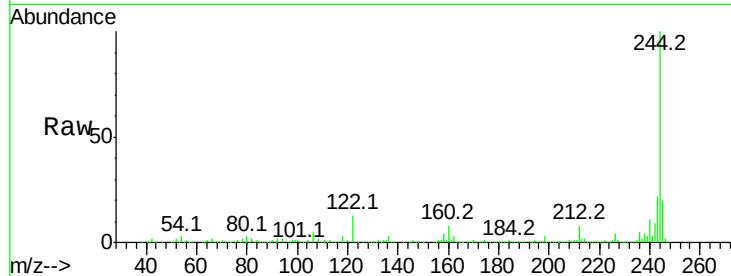
Instrument :
 BNA_F
 ClientSampleId :
 0035

Tot Ion:244 Resp: 1771843

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	13.4	11.4	17.2

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.61 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF092633.D
 Acq: 30 Jan 2017 15:00

Tgt Ion:264 Resp: 458471

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.5	17.4	26.0

