

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108737.D
 Acq On : 4 Sep 2018 13:40
 Operator : JU/SJ
 Sample : J4726-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-1

Manual Integrations
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 9/5/2018 12:47:16 PM

Quant Time: Sep 04 15:42:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	72091	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	277873	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	116648	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	228041	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	239294	20.00	ng	-0.01
86) Perylene-d12	15.75	264	209640	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	360504	86.87	ng	-0.02
7) Phenol-d6	6.62	99	547149	92.06	ng	-0.02
23) Nitrobenzene-d5	7.55	82	349783	63.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	117377	76.22	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	548522	63.23	ng	-0.02
78) Terphenyl-d14	13.11	244	574251	46.63	ng	-0.02
Target Compounds						
31) Naphthalene	8.30	128	34905	2.637	ng	Qvalue # 94
37) 2-Methylnaphthalene	8.99	142	50428	5.631	ng	# 93
49) Dimethylphthalate	9.74	163	79892	8.698	ng	# 98
51) Acenaphthene	10.07	154	14558	2.092	ng	# 84
70) Phenanthrene	11.55	178	120251	10.447	ng	98
71) Anthracene	11.61	178	56441m	4.667	ng	
74) Fluoranthene	12.75	202	210019	16.210	ng	93
77) Pyrene	12.98	202	220447m	12.255	ng	
80) Benzo(a)anthracene	14.18	228	123210	8.446	ng	96
82) Chrysene	14.21	228	106365	7.582	ng	97
83) Bis(2-ethylhexyl)phthalate	14.12	149	156117	16.057	ng	99
85) Indeno(1,2,3-cd)pyrene	17.37	276	37201	3.814	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	114490m	8.890	ng	
88) Benzo(k)fluoranthene	15.30	252	49414m	3.873	ng	
89) Benzo(a)pyrene	15.68	252	83914	7.210	ng	# 89
91) Benzo(g,h,i)perylene	17.86	276	37309	4.130	ng	91

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

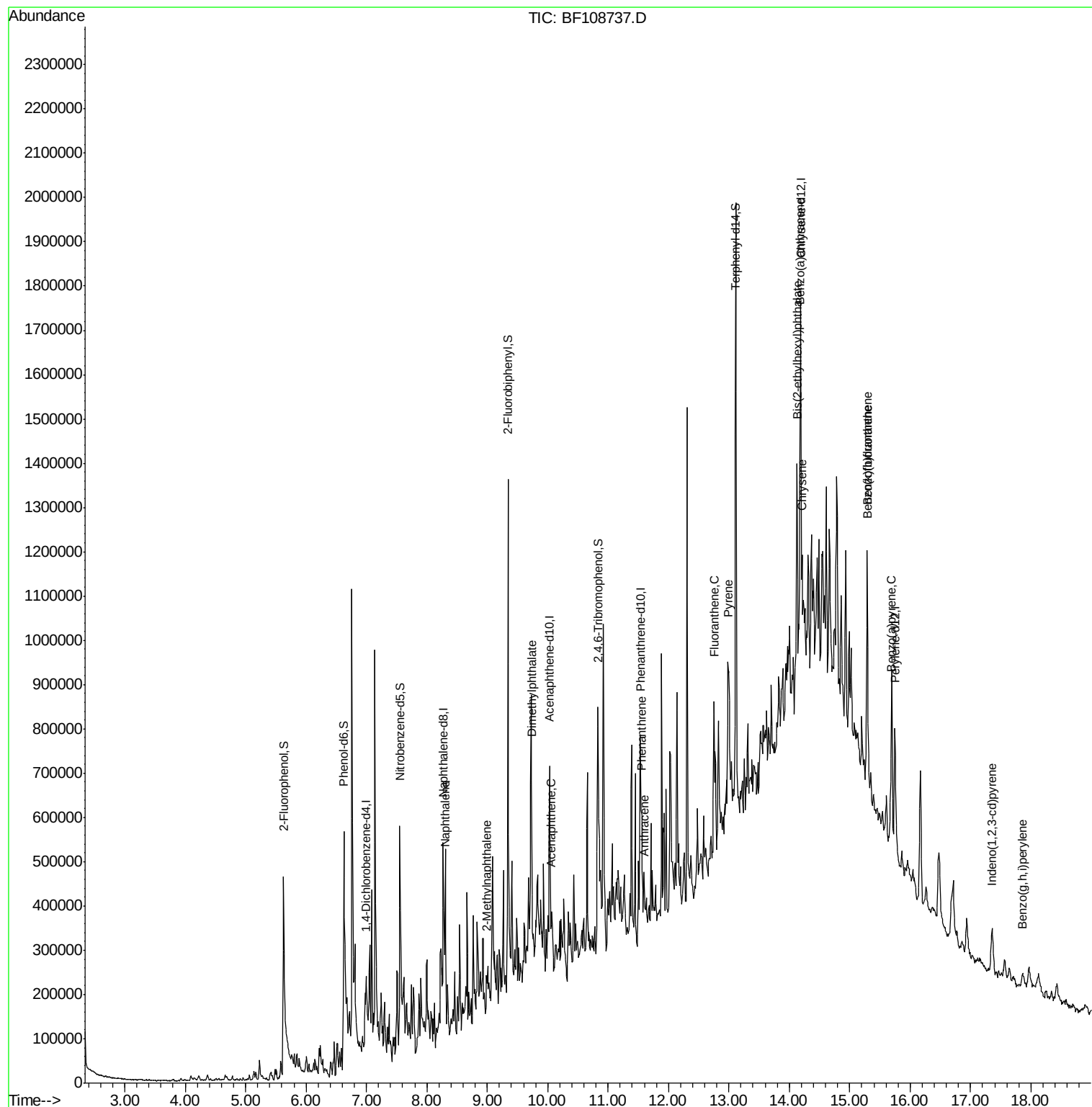
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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ALS Vial : 5 Sample Multiplier: 1

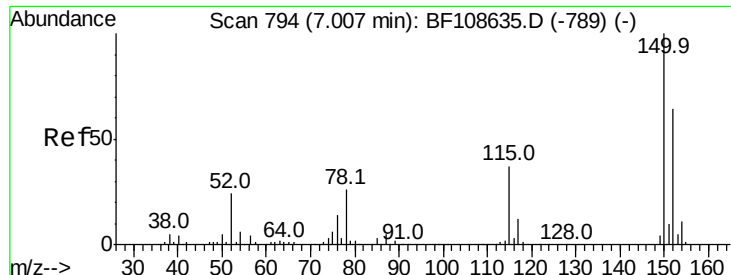
Instrument :
BNA_F
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KG-SLUDGE-1

Quant Time: Sep 04 15:42:14 2018
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QLast Update : Thu Aug 30 15:06:55 2018
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#1

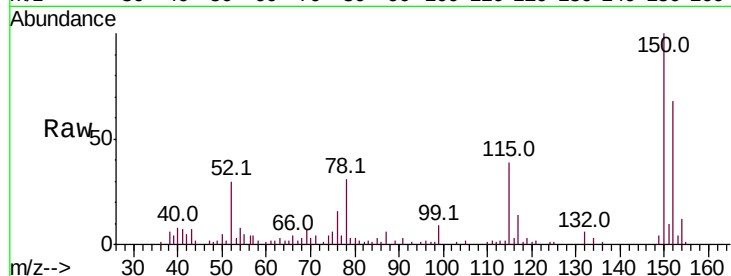
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.4	124.6	186.8
115	57.9	50.1	75.1

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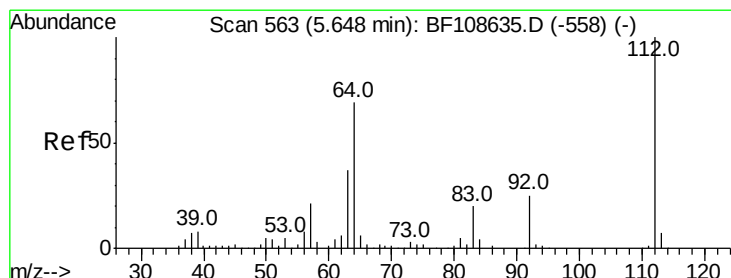
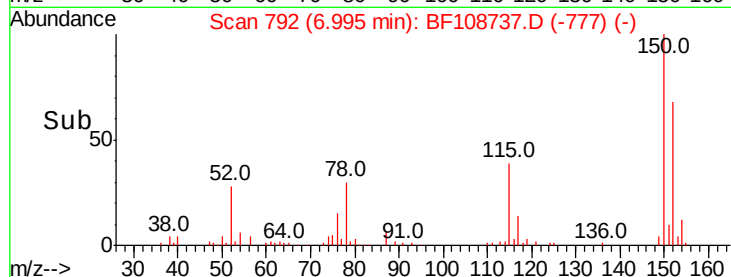
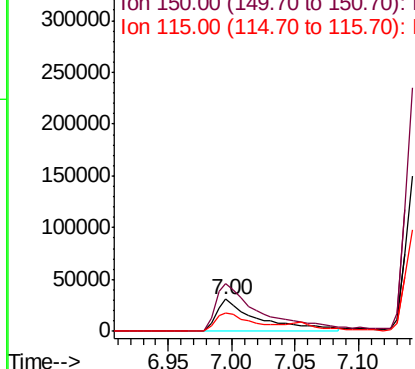


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

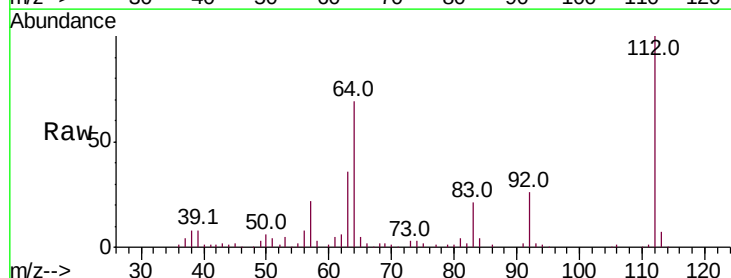
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.872 ng
RT: 5.63 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	47.9	71.9
63	36.2	23.7	35.5

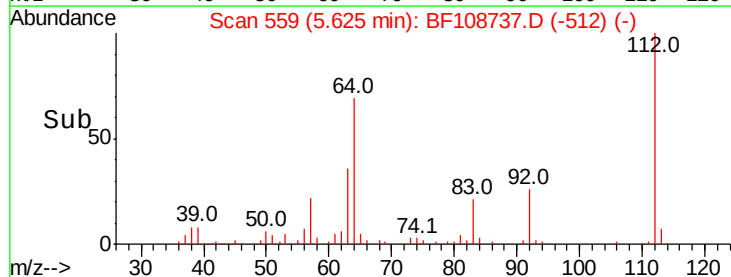
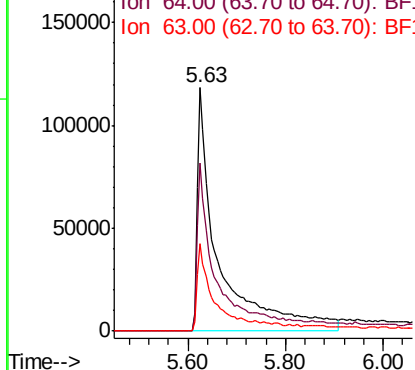


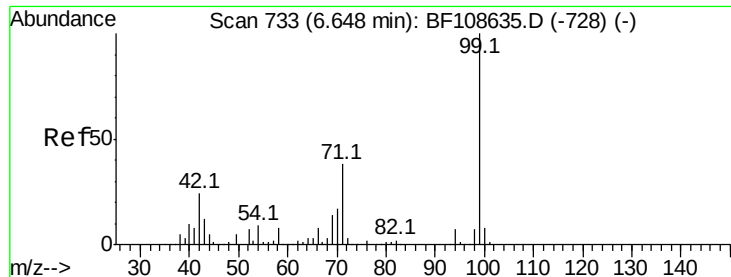
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.056 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampleId :

KG-SLUDGE-1

Tot Ion: 99 Resp: 547149

Ion Ratio Lower Upper

99 100

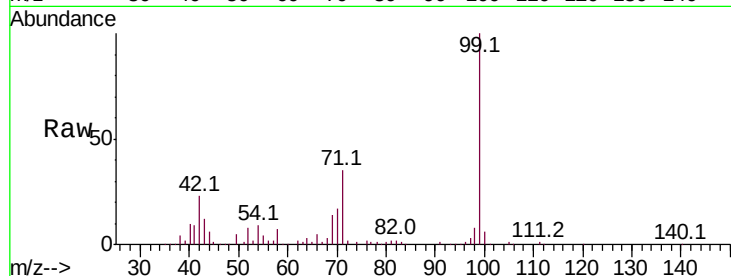
42 22.6 14.5 21.7#

71 35.3 25.4 38.0

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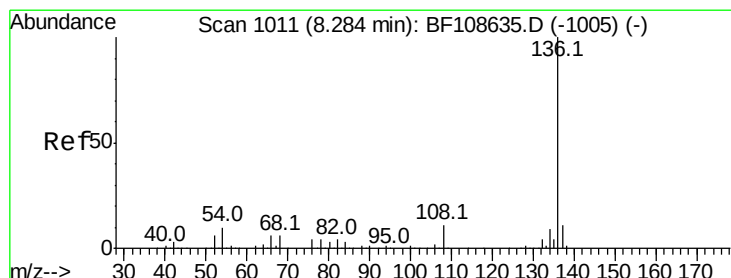
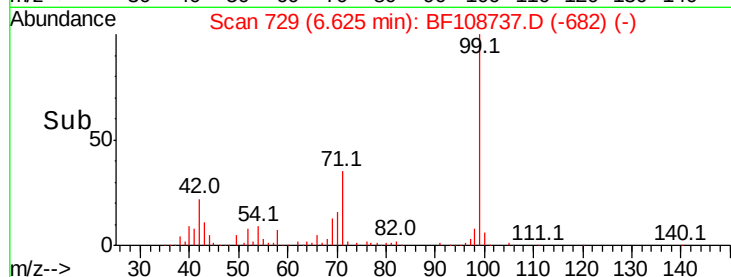
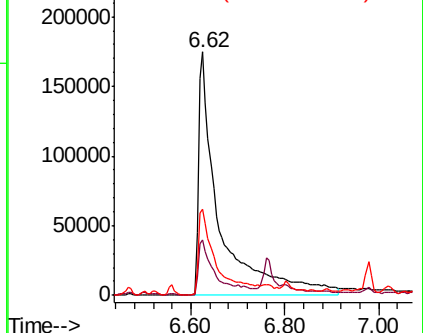
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Tgt Ion: 136 Resp: 277873

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.9 6.6 9.8#

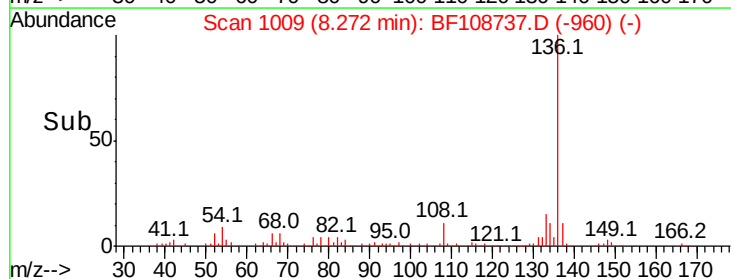
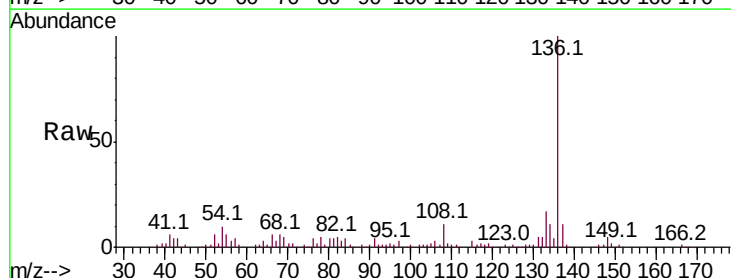
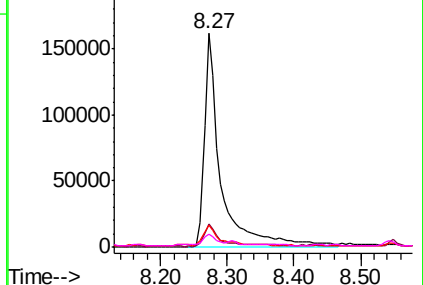
68 6.2 5.0 7.4

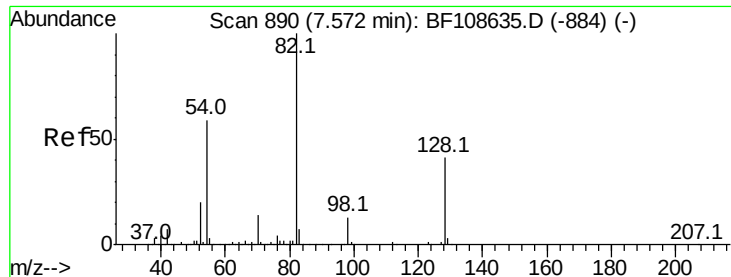
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





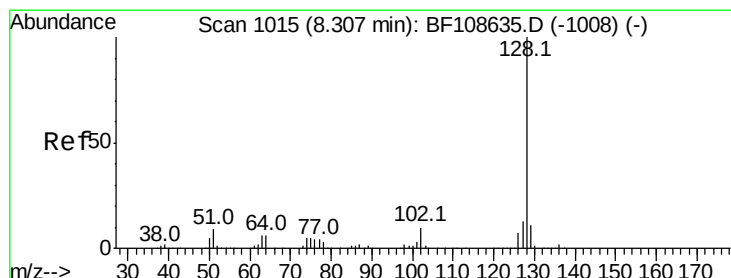
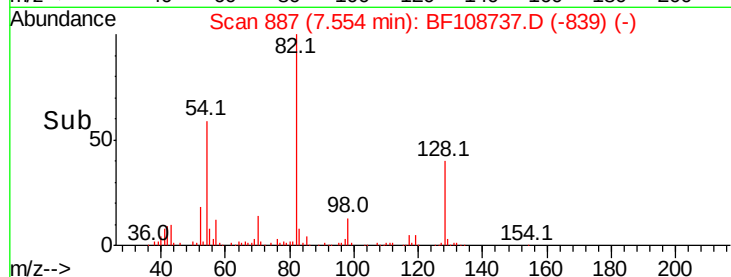
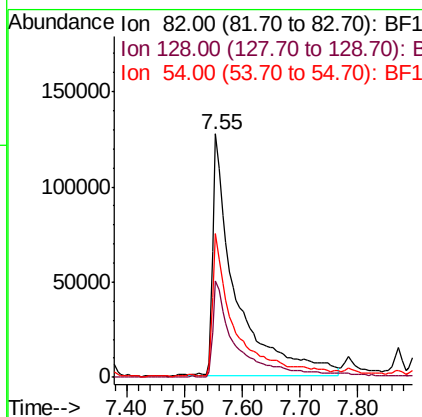
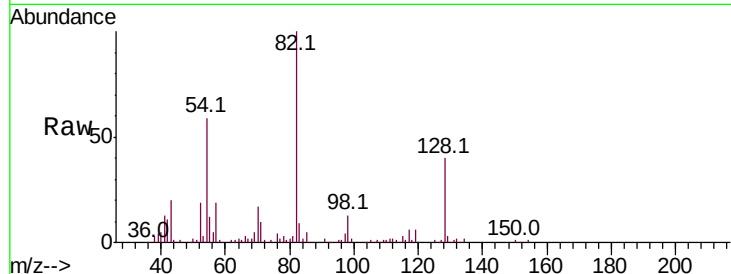
#23
 Nitrobenzene-d5
 Concen: 63.894 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-1

Tot Ion	82	Resp	349783
Ion Ratio	Lower	Upper	
82	100		
128	39.6	36.1	54.1
54	59.0	41.4	62.2

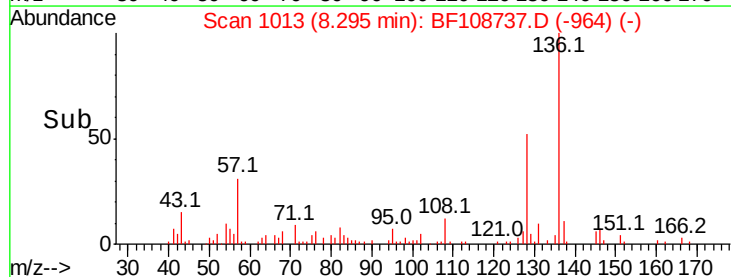
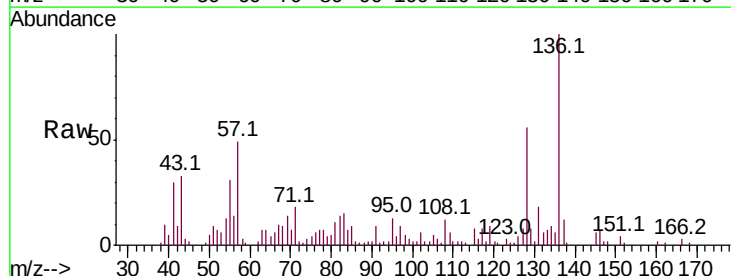
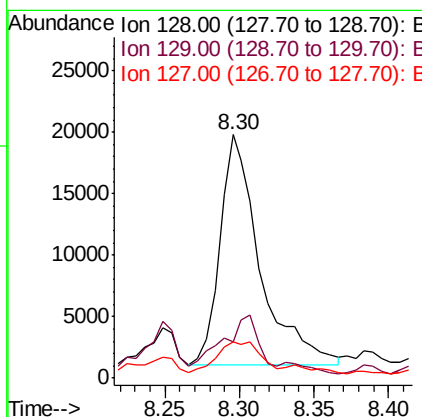
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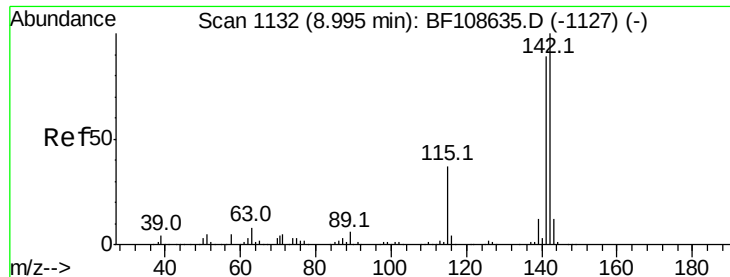
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#31
 Naphthalene
 Concen: 2.637 ng
 RT: 8.30 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Tgt Ion	128	Resp	34905
Ion Ratio	Lower	Upper	
128	100		
129	14.9	8.8	13.2#
127	14.7	10.9	16.3





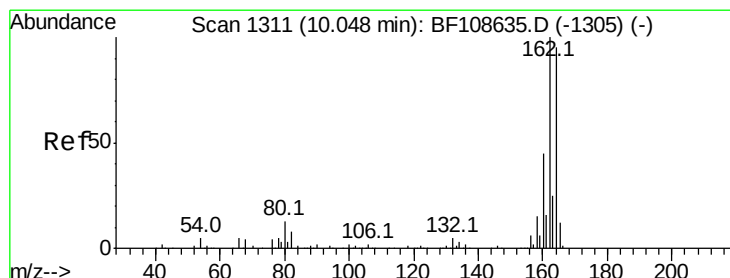
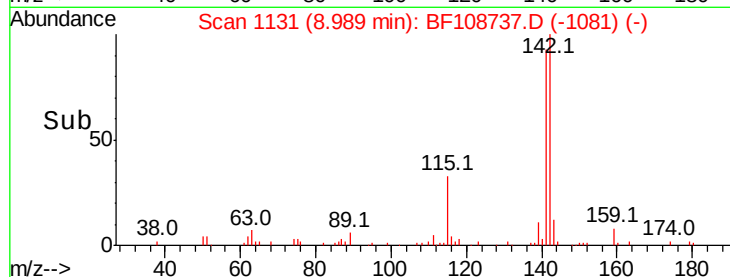
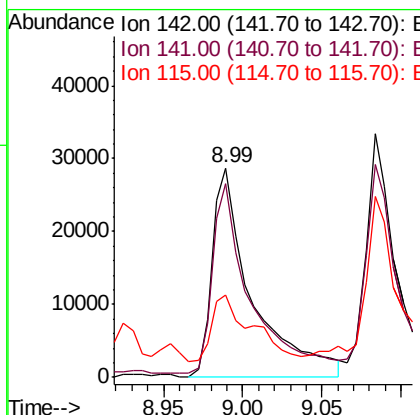
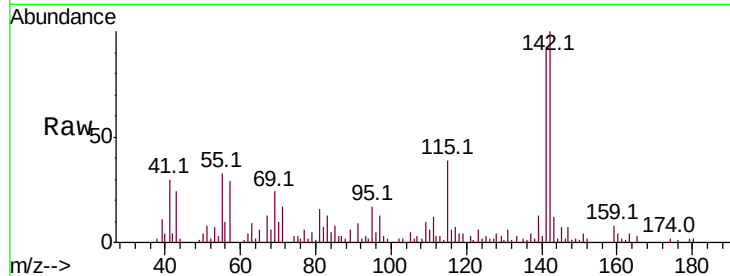
#37
2-Methylnaphthalene
Concen: 5.631 ng
RT: 8.99 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.8	106.2
115	39.2	26.1	39.1#

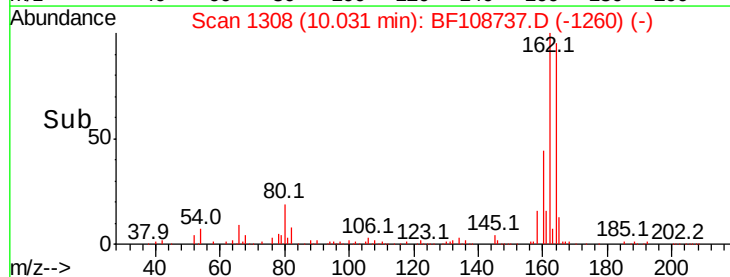
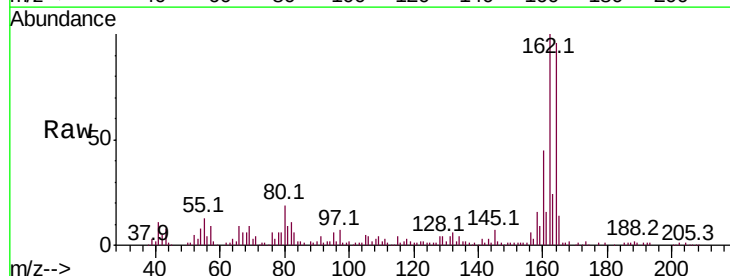
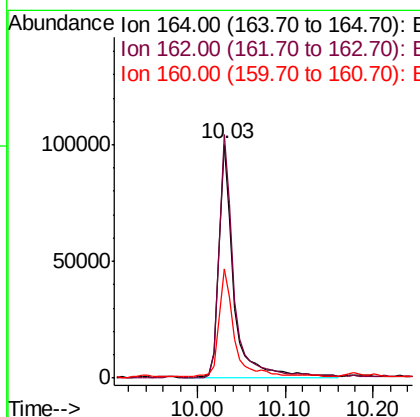
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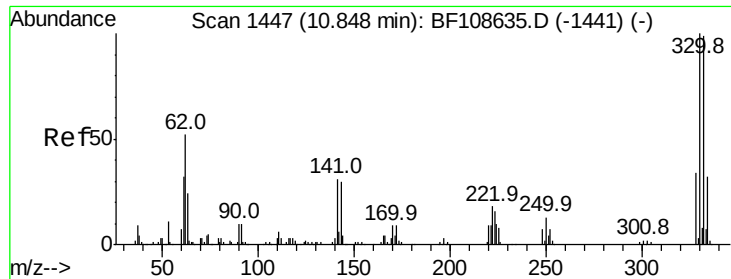
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	46.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 76.224 ng

RT: 10.83 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

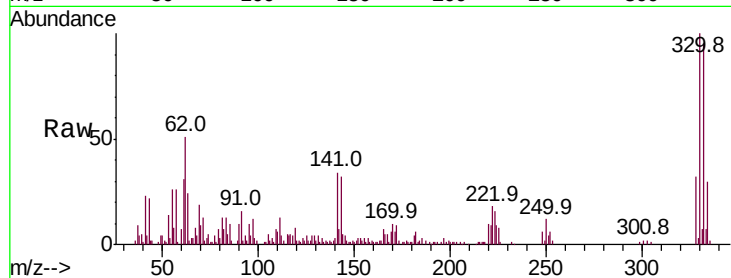
ClientSampleId :

KG-SLUDGE-1

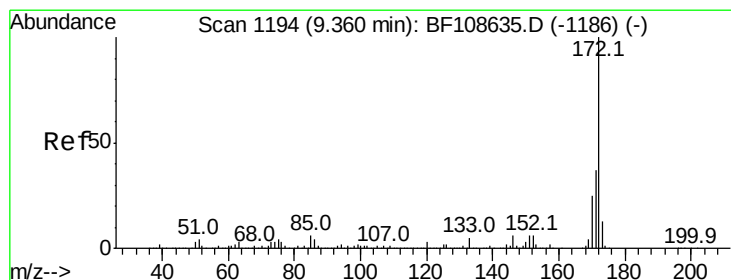
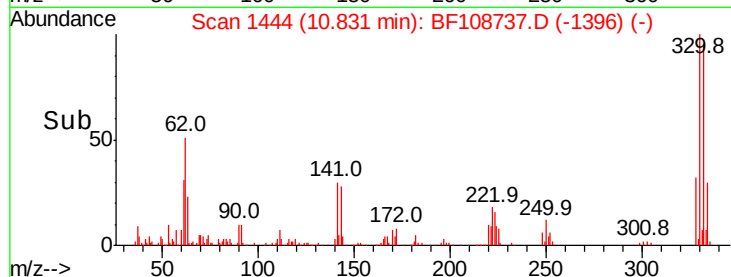
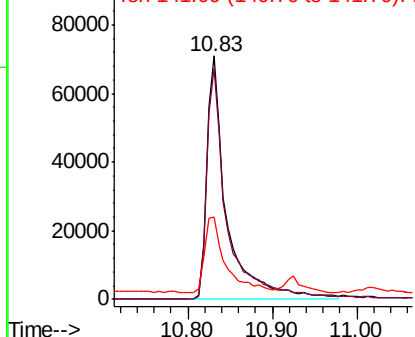
Tot Ion:	330	Resp:	117377
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.0	115.6
141	32.9	29.9	44.9

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 63.227 ng

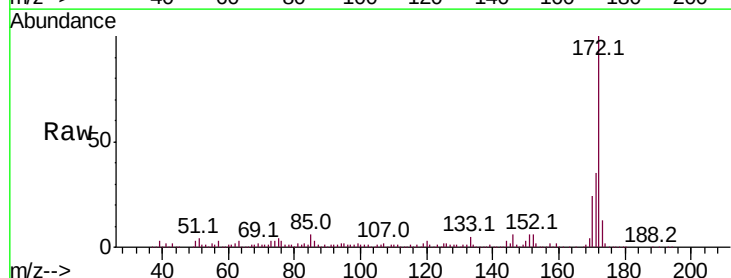
RT: 9.34 min Scan# 1191

Delta R.T. -0.02 min

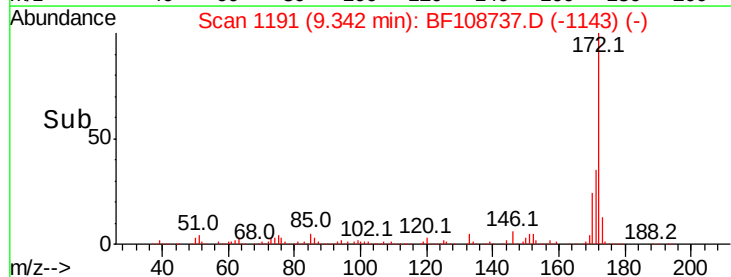
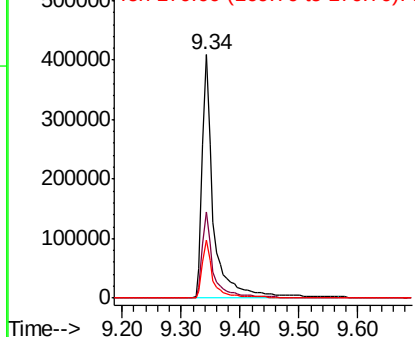
Lab File: BF108737.D

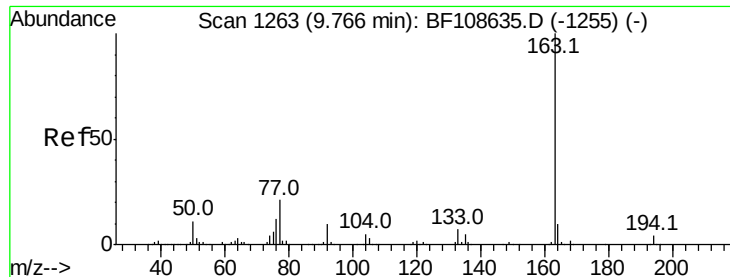
Acq: 4 Sep 2018 13:40

Tgt Ion:	172	Resp:	548522
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	23.8	19.6	29.4



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





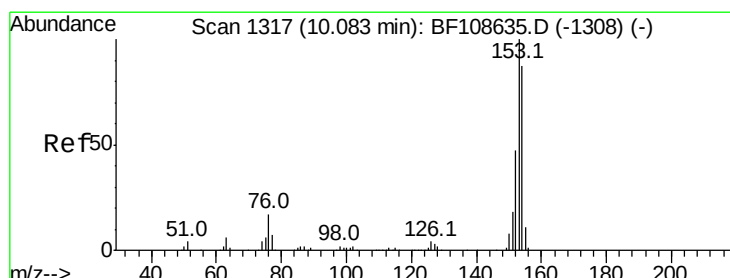
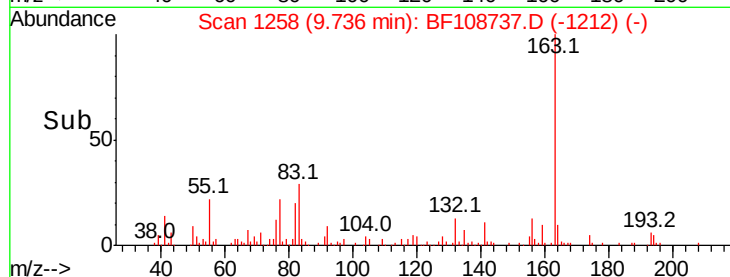
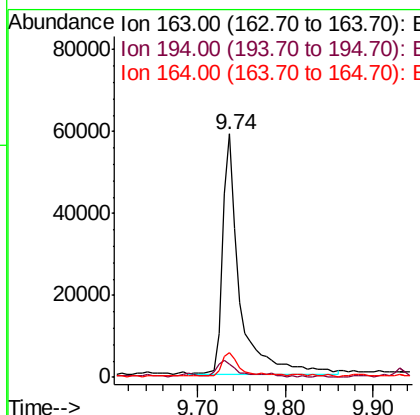
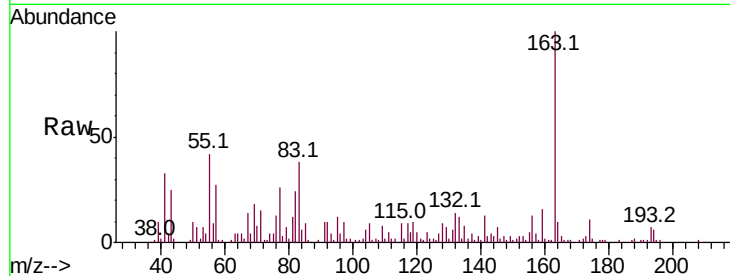
#49
Dimethylphthalate
Concen: 8.698 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.5	2.7	4.1#	
164	9.9	8.2	12.2	

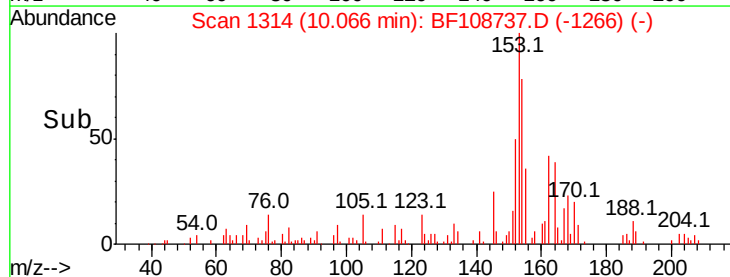
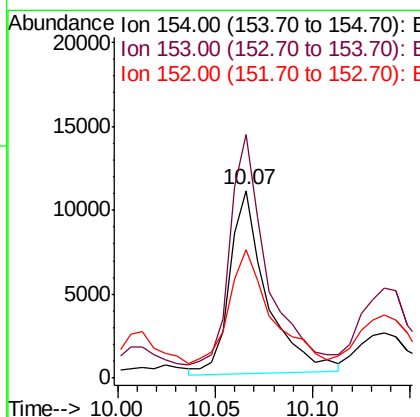
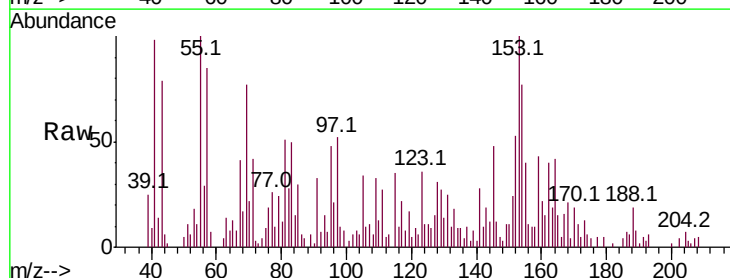
Manual Integrations
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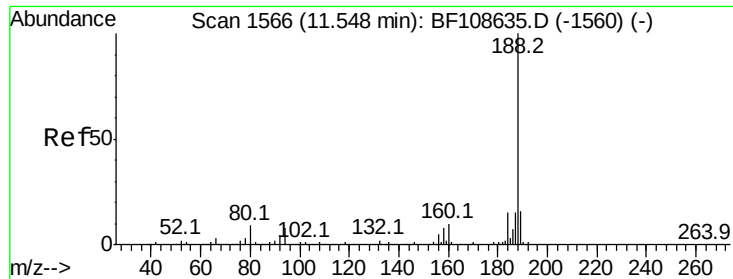
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#51
Acenaphthene
Concen: 2.092 ng
RT: 10.07 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	129.6	91.2	136.8	
152	68.4	43.8	65.8#	





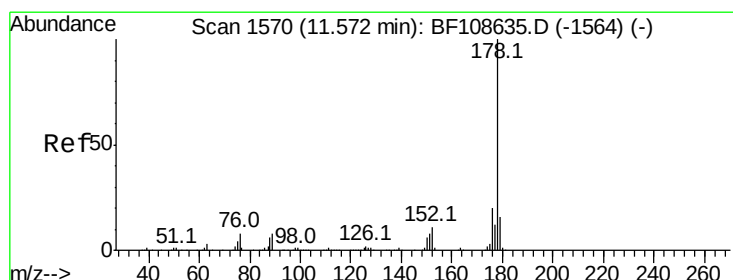
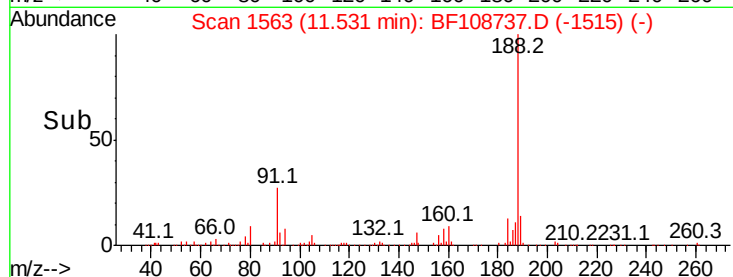
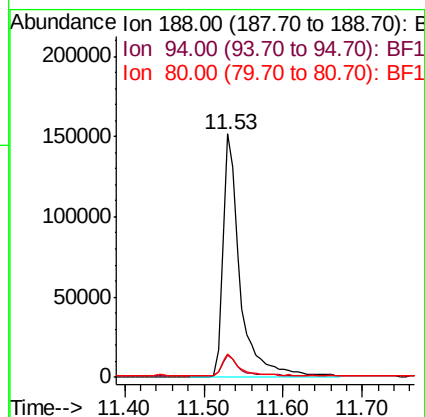
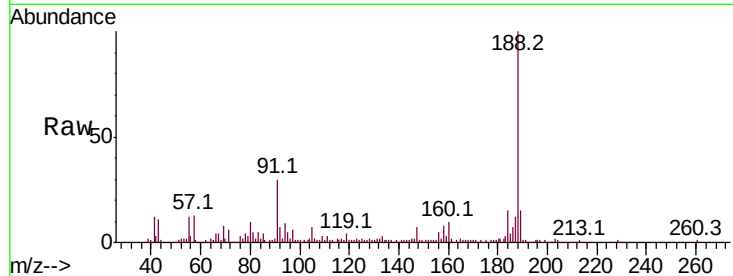
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion:188	Resp: 228041
Ion Ratio	Lower Upper
188 100	
94 9.1	8.5 12.7
80 9.8	9.2 13.8

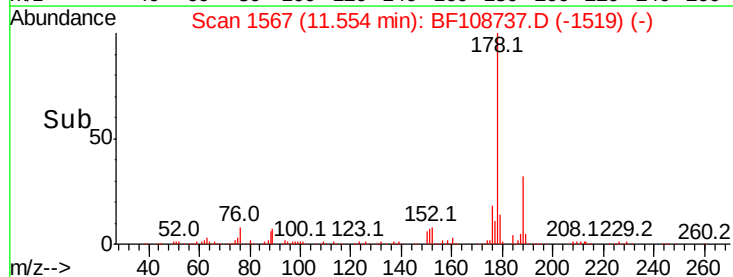
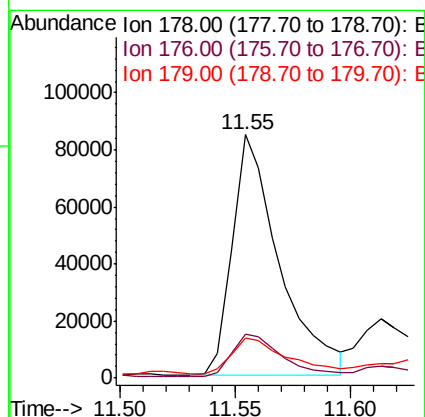
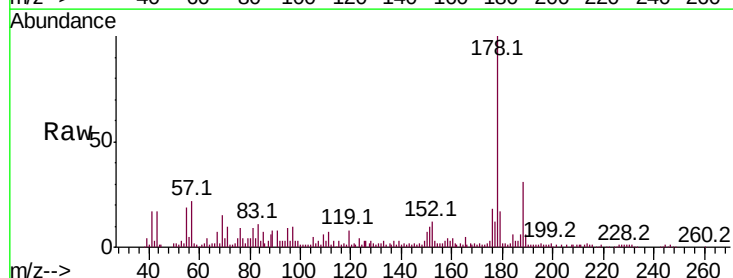
Manual Integrations
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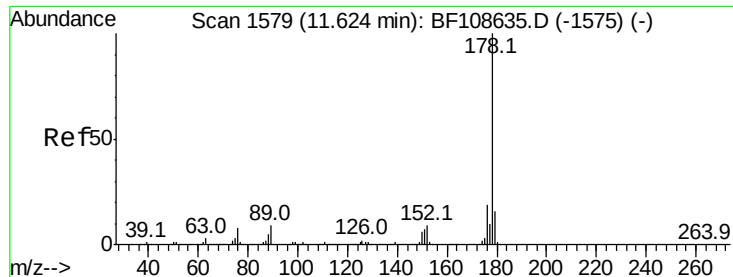
Sohil
9/5/2018 12:47:16 PM



#70
Phenanthrene
Concen: 10.447 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion:178	Resp: 120251
Ion Ratio	Lower Upper
178 100	
176 18.3	15.8 23.8
179 16.7	13.0 19.6





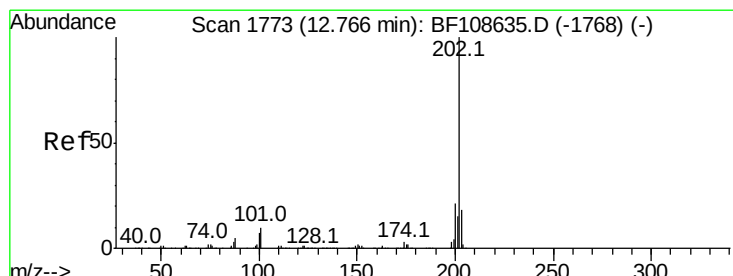
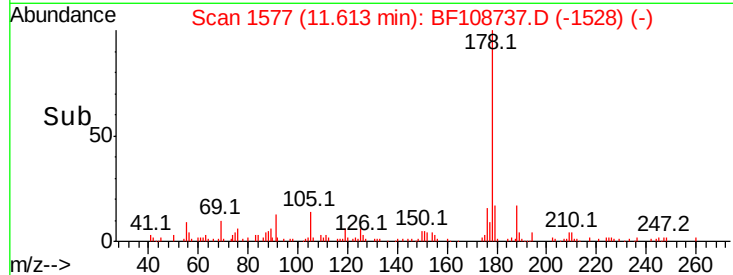
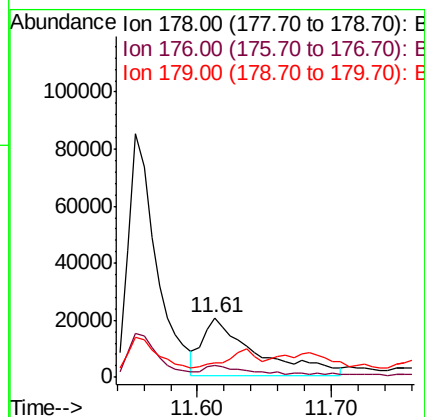
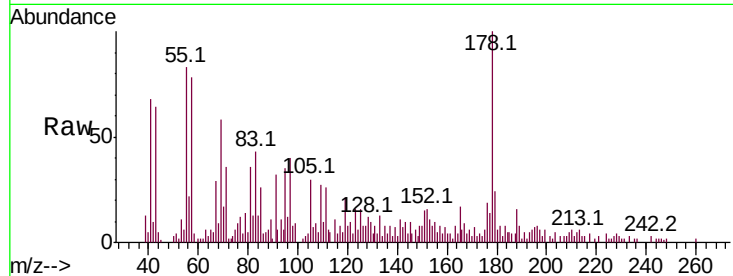
#71
 Anthracene
 Concen: 4.667 ng m
 RT: 11.61 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	24.4	12.6	19.0

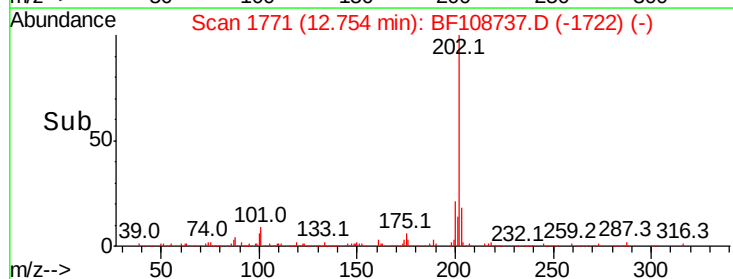
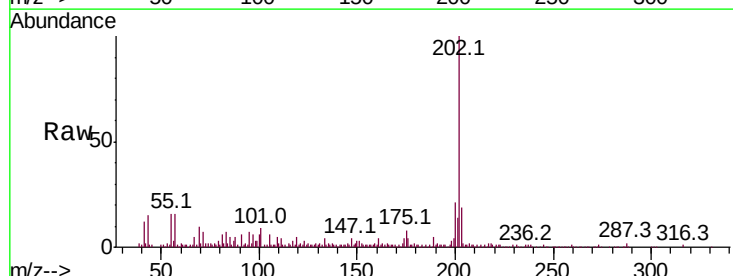
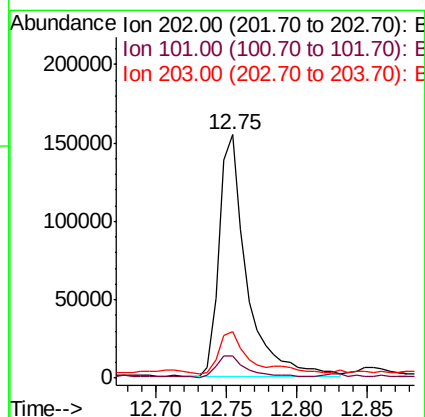
Manual Integrations
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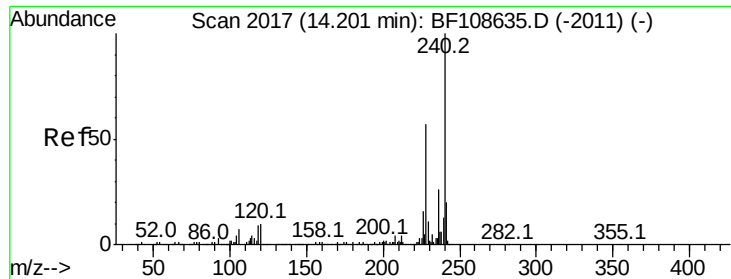
Sohil
 9/5/2018 12:47:16 PM



#74
 Fluoranthene
 Concen: 16.210 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	19.3	0.0	38.1





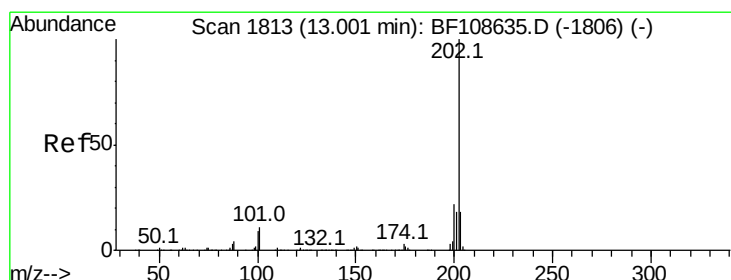
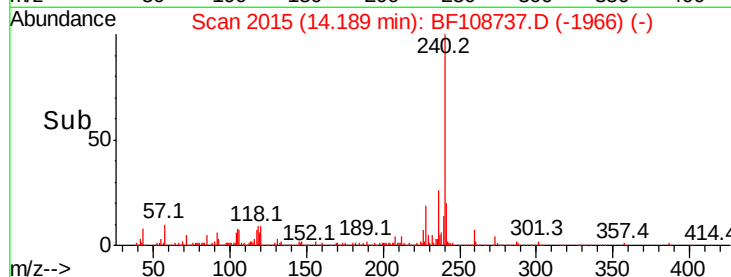
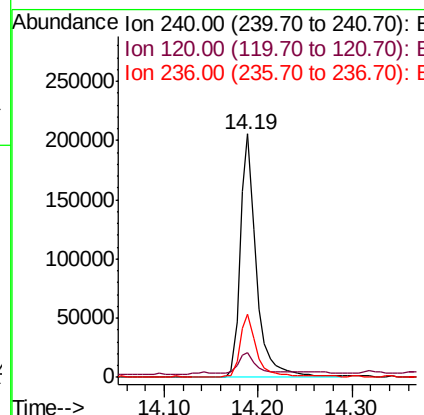
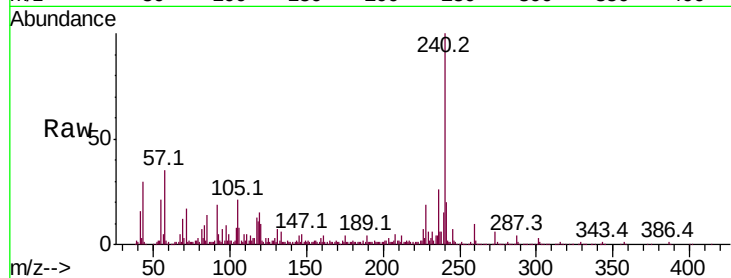
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Resp	Lower	Upper
240	100	239294		
120	10.2	9.5	14.3	
236	26.0	20.7	31.1	

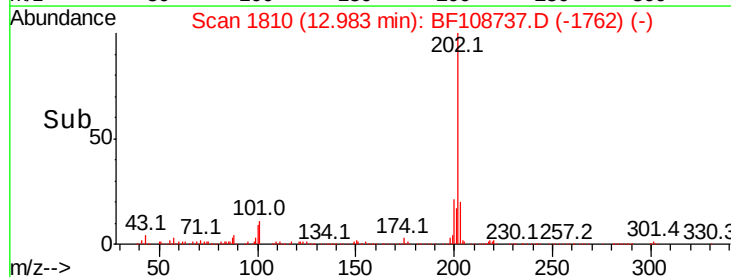
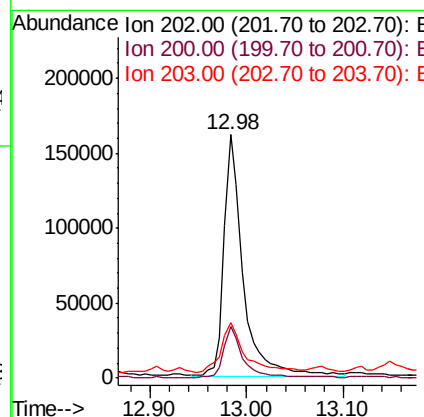
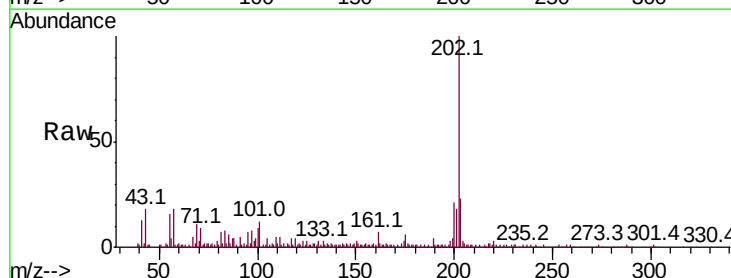
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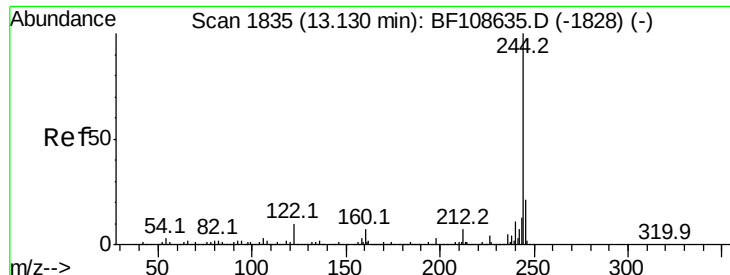
Sohil
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#77
Pyrene
Concen: 12.255 ng m
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	220447		
200	21.2	17.4	26.2	
203	22.6	14.3	21.5	





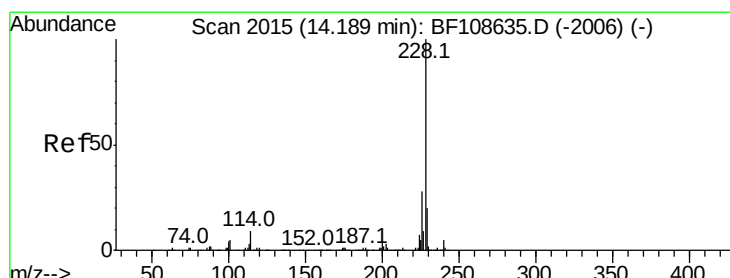
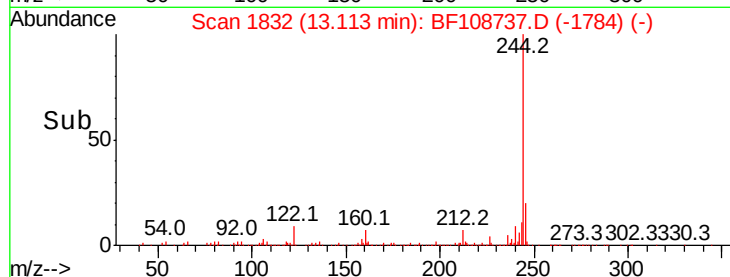
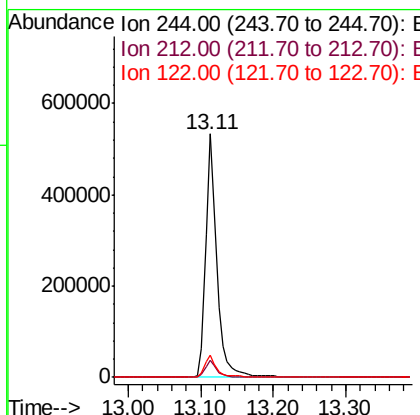
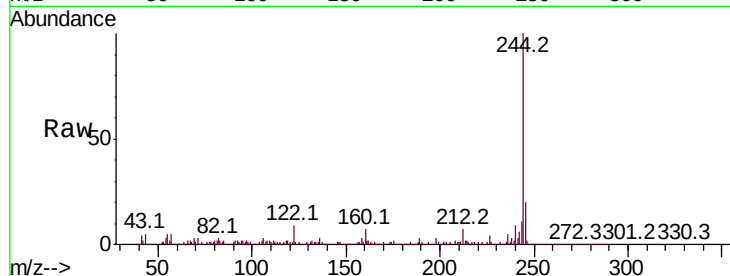
#78
 Terphenyl-d14
 Concen: 46.626 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.1	11.0	16.4

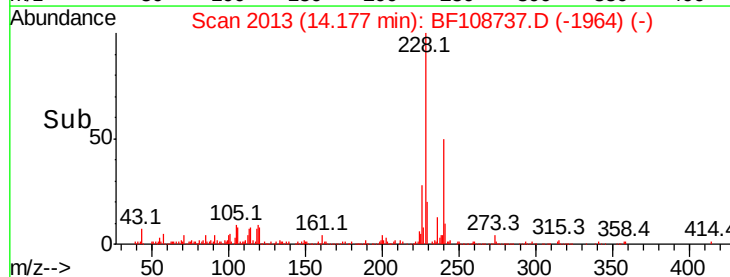
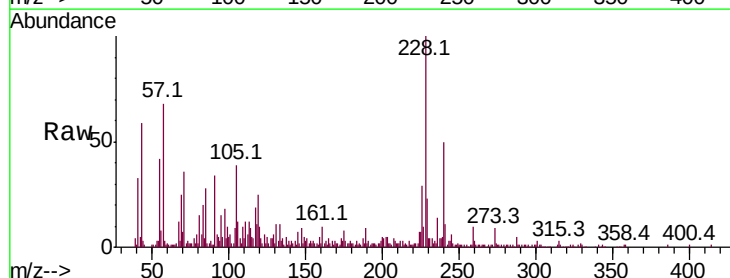
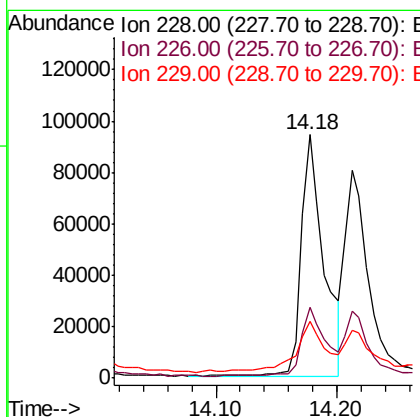
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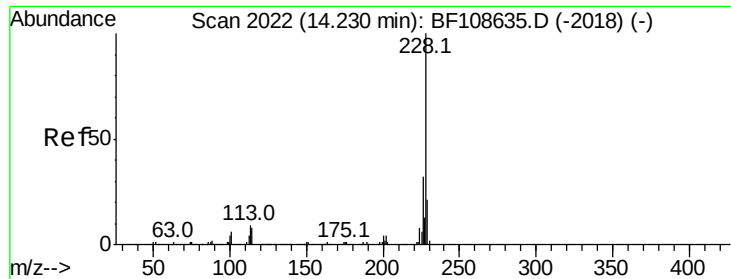
Sohil
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#80
 Benzo(a)anthracene
 Concen: 8.446 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	23.2	15.8	23.6





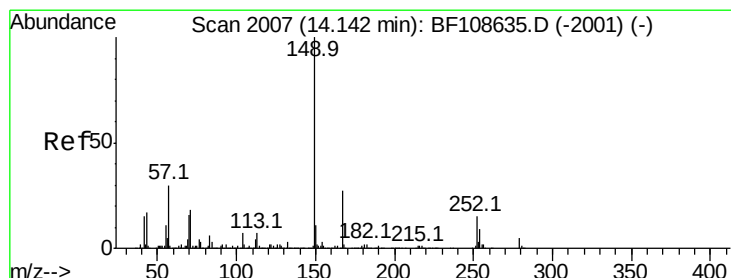
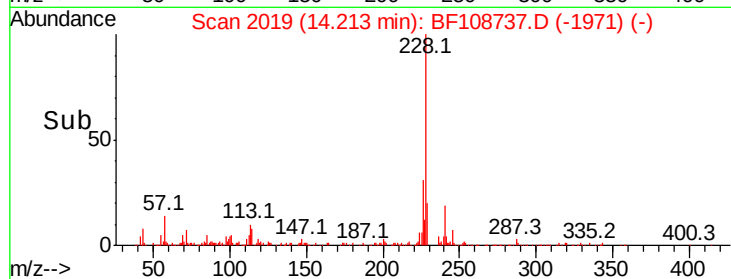
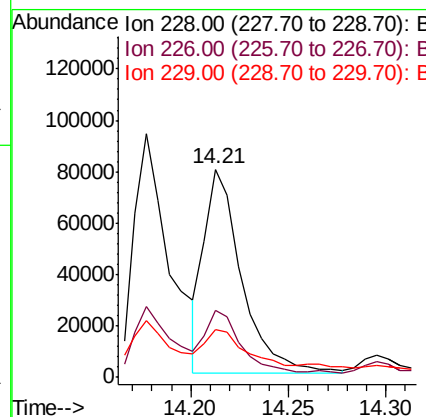
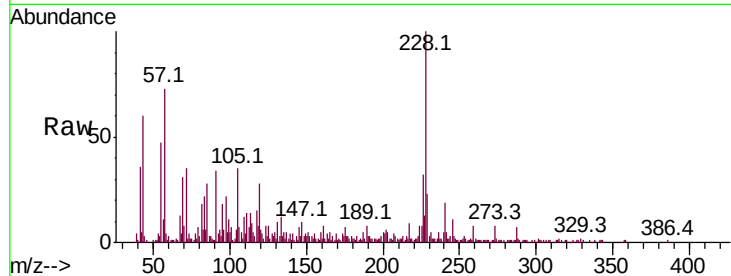
#82
Chrysene
Concen: 7.582 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	23.0	16.2	24.4

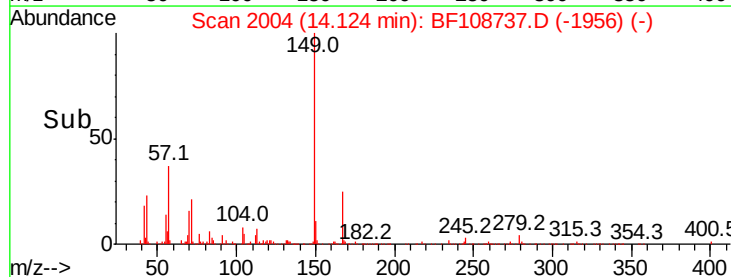
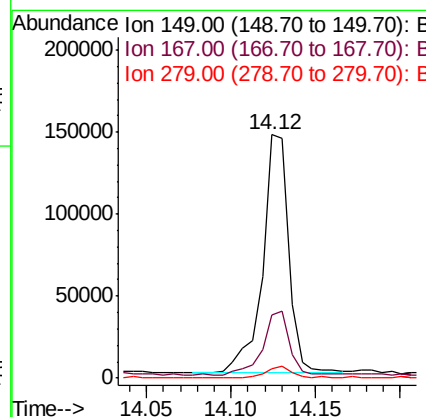
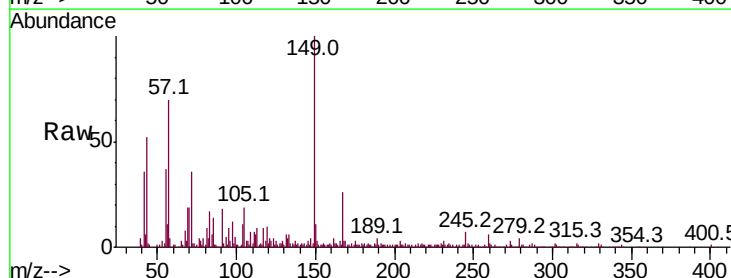
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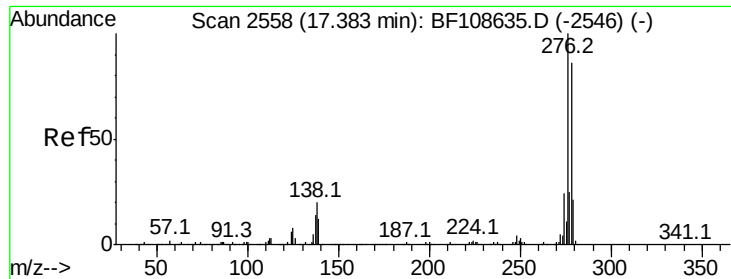
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 16.057 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.3	31.9
279	3.8	3.0	4.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.814 ng

RT: 17.37 min Scan# 2558

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampleId :

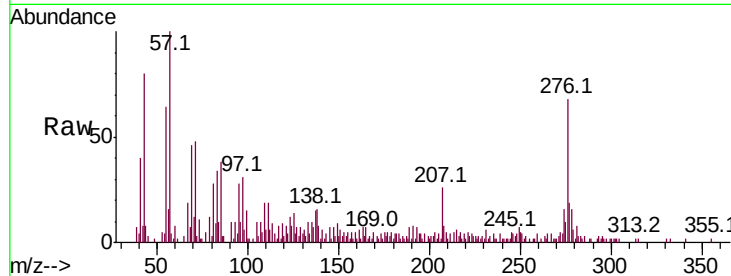
KG-SLUDGE-1

Tot Ion:	276	Resp:	37201
Ion Ratio	Lower	Upper	
276	100		
138	18.3	25.0	37.6#
277	22.6	20.1	30.1

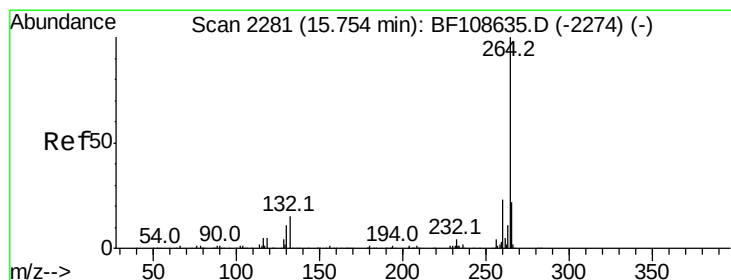
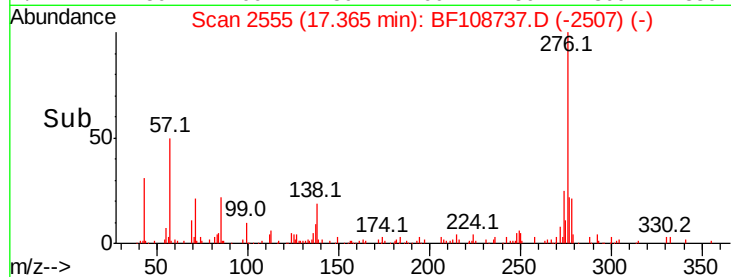
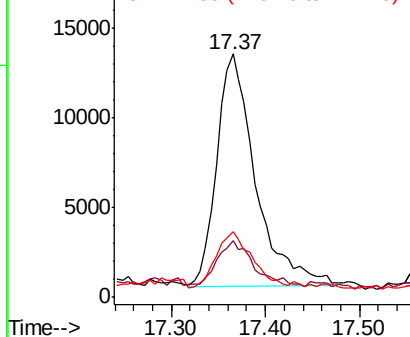
Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

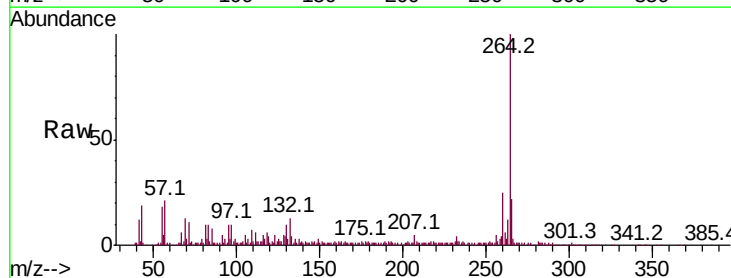
RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

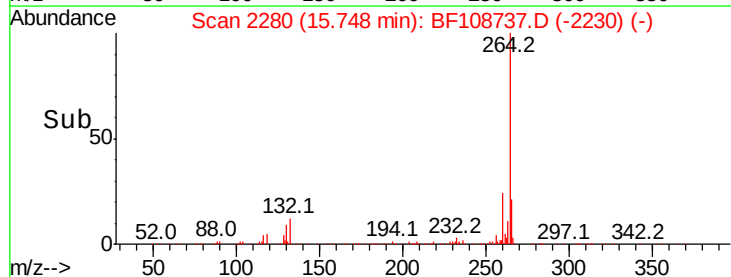
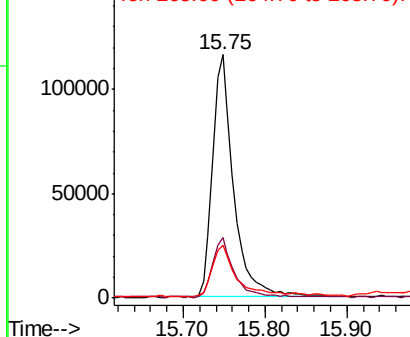
Lab File: BF108737.D

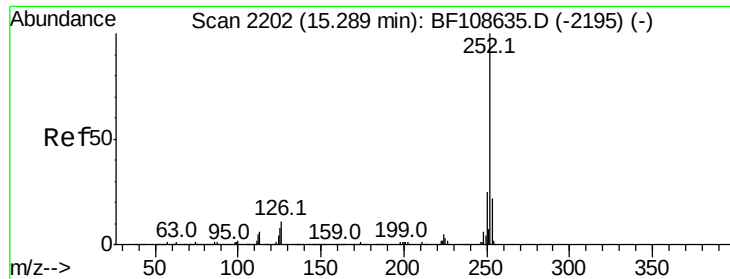
Acq: 4 Sep 2018 13:40

Tgt Ion:	264	Resp:	209640
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.2	28.8
265	21.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





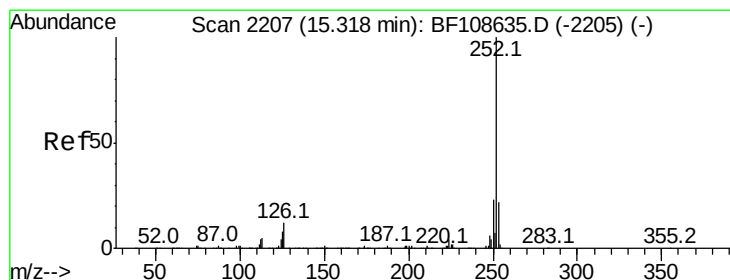
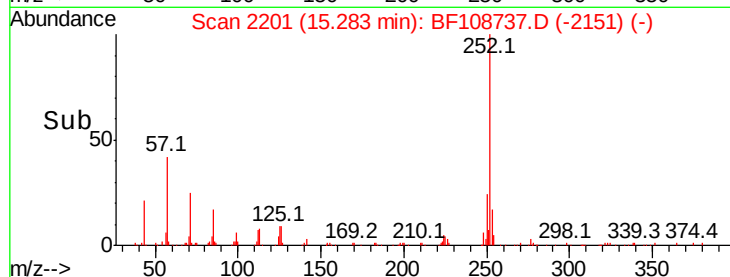
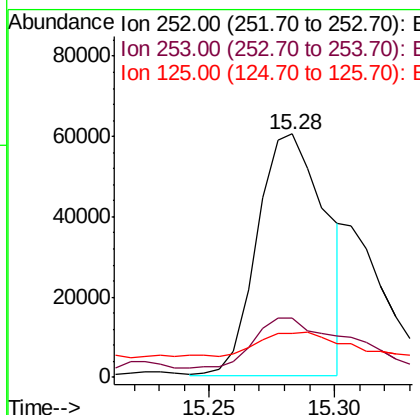
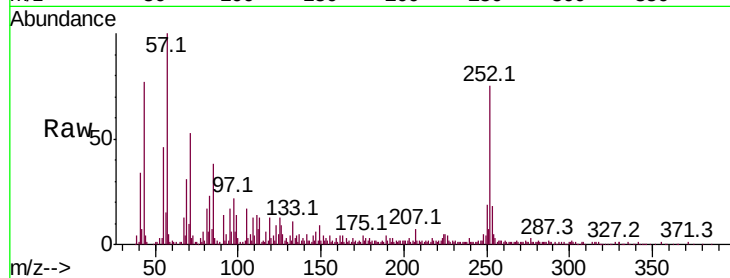
#87
Benzo(b)fluoranthene
Concen: 8.890 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	18.0	9.0	13.6

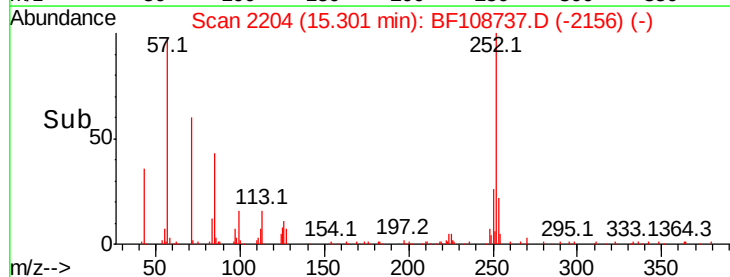
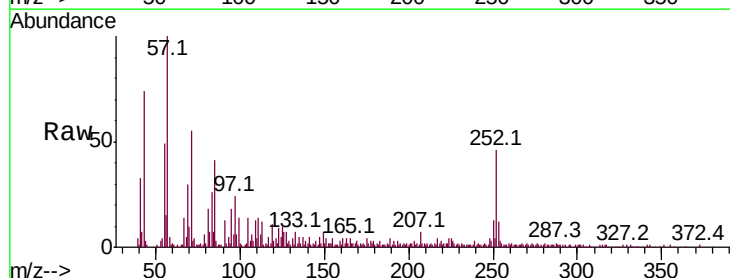
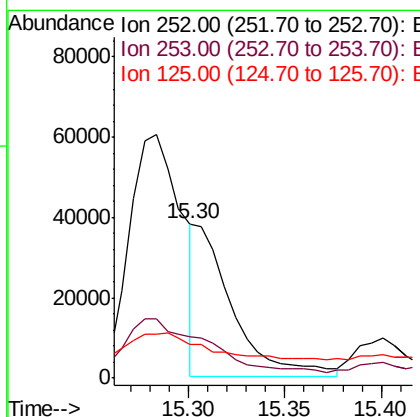
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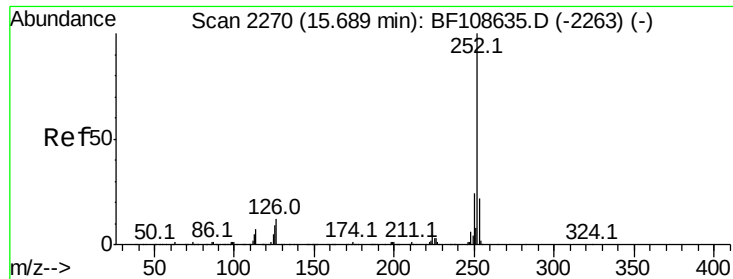
Sohil
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#88
Benzo(k)fluoranthene
Concen: 3.873 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	21.9	10.2	15.2





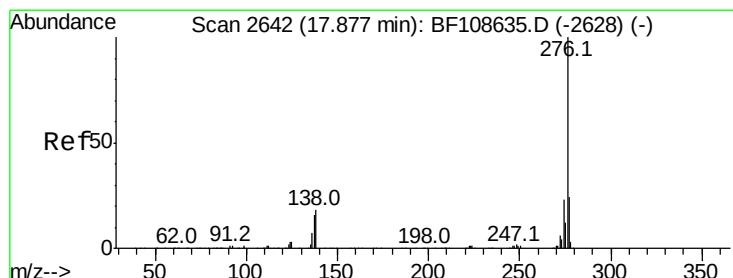
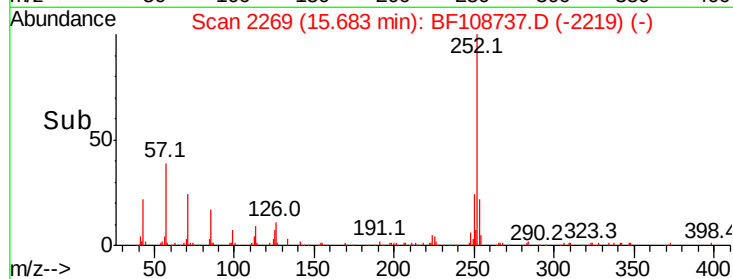
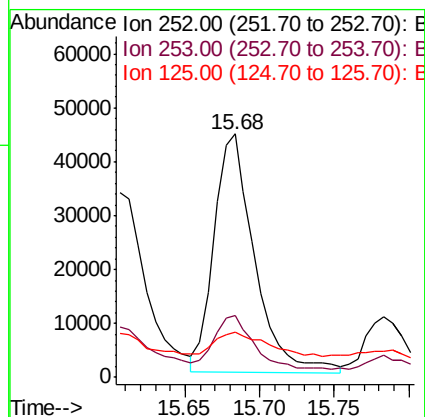
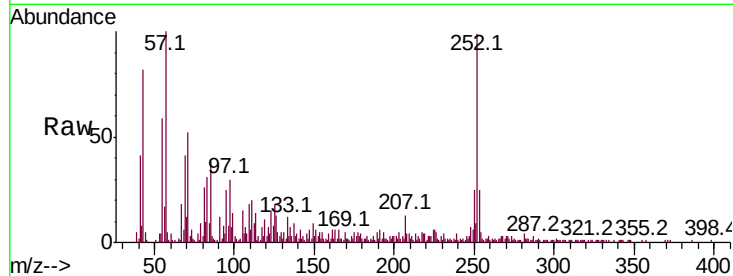
#89
Benzo(a)pyrene
Concen: 7.210 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	18.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.130 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	22.1	21.8	32.8

