

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108738.D
 Acq On : 4 Sep 2018 14:07
 Operator : JU/SJ
 Sample : J4726-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-2

Manual Integrations
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Quant Time: Sep 04 16:03:51 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	65281	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	239931	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	102059	20.00	ng	-0.01
63) Phenanthrene-d10	11.53	188	214845	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	222921	20.00	ng	-0.01
86) Perylene-d12	15.75	264	171861	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	256564	68.27	ng	-0.02
7) Phenol-d6	6.62	99	394278	73.26	ng	-0.02
23) Nitrobenzene-d5	7.55	82	237884	50.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	101973	75.69	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	389270	51.28	ng	-0.02
78) Terphenyl-d14	13.12	244	457287	39.86	ng	-0.01
Target Compounds						
31) Naphthalene	8.30	128	31474	2.754	ng	# 86
37) 2-Methylnaphthalene	8.99	142	27527	3.560	ng	# 89
49) Dimethylphthalate	9.74	163	72377	9.006	ng	# 91
51) Acenaphthene	10.07	154	17949	2.948	ng	# 92
57) Fluorene	10.59	166	20224	2.739	ng	# 70
70) Phenanthrene	11.56	178	144658	13.340	ng	99
71) Anthracene	11.61	178	77364m	6.790	ng	
74) Fluoranthene	12.75	202	234345	19.198	ng	92
77) Pyrene	12.99	202	282055m	16.832	ng	
80) Benzo(a)anthracene	14.18	228	124933m	9.193	ng	
82) Chrysene	14.22	228	123468	9.447	ng	98
83) Bis(2-ethylhexyl)phthalate	14.13	149	209951	23.181	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.37	276	41566	4.574	ng	# 81
87) Benzo(b)fluoranthene	15.28	252	109370m	10.360	ng	
88) Benzo(k)fluoranthene	15.31	252	56056m	5.360	ng	
89) Benzo(a)pyrene	15.68	252	84052	8.810	ng	# 83
91) Benzo(a,h,i)perylene	17.87	276	46035	6.216	ng	# 88

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

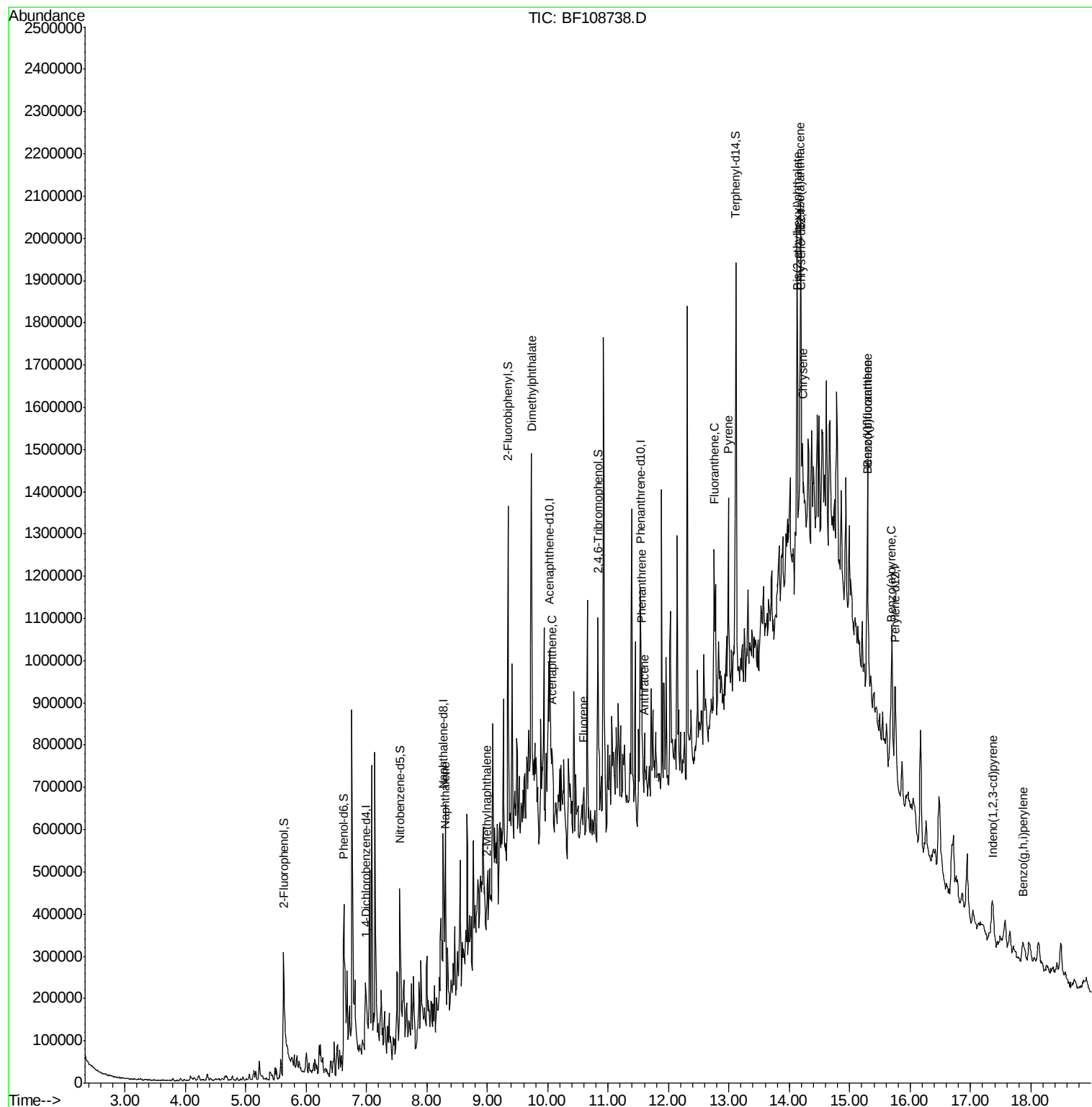
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108738.D
Acq On : 4 Sep 2018 14:07
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ALS Vial : 6 Sample Multiplier: 1

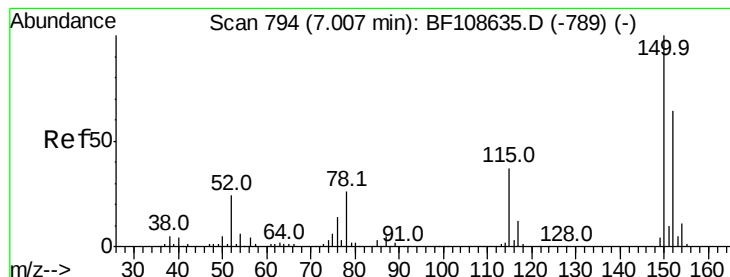
Instrument :
BNA_F
ClientSampled :
KG-SLUDGE-2

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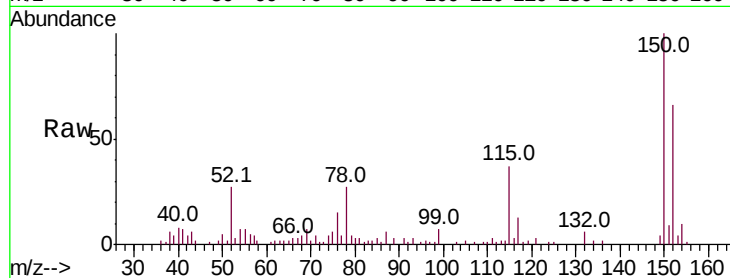
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.00 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	56.1	50.1	75.1

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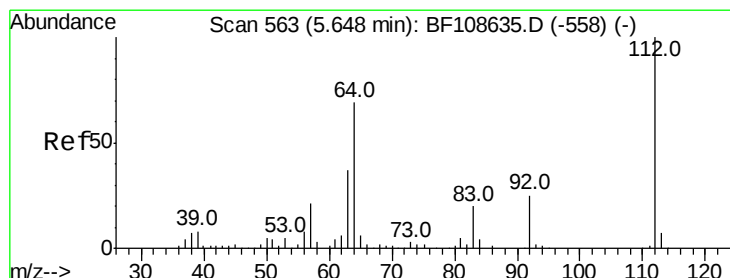
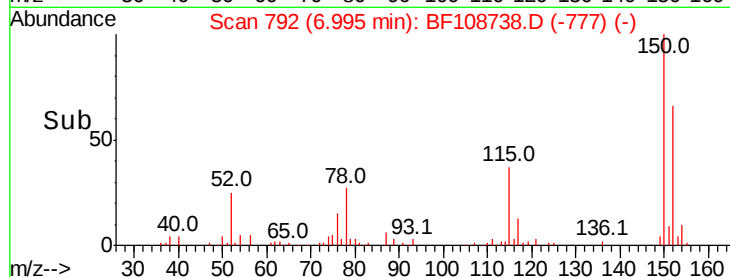
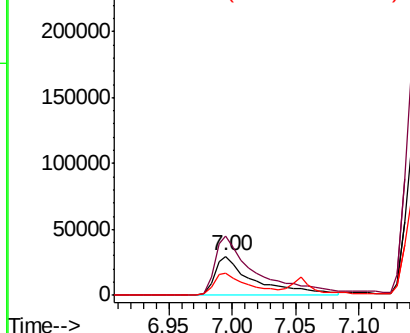


Abundance

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: 68.275 ng
 RT: 5.62 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

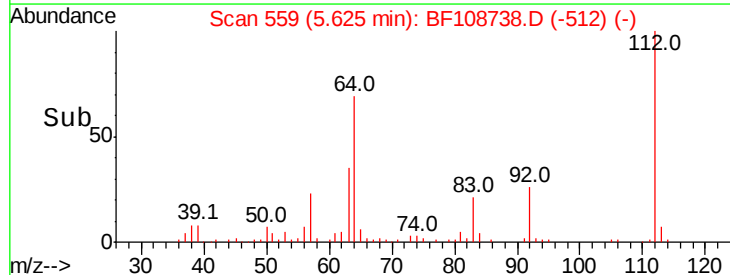
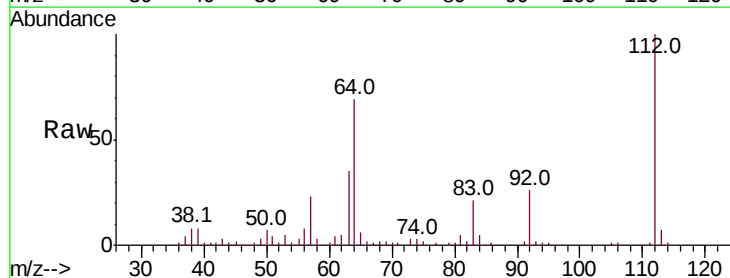
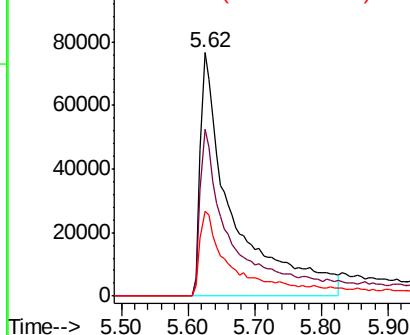
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	47.9	71.9
63	34.9	23.7	35.5

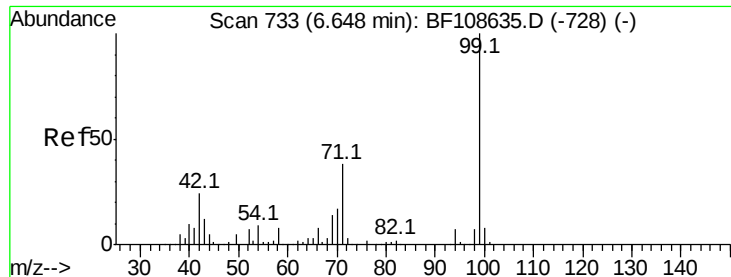
Abundance

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: 73.256 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

ClientSampleId :

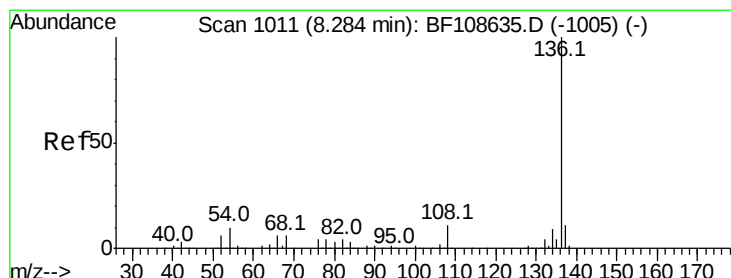
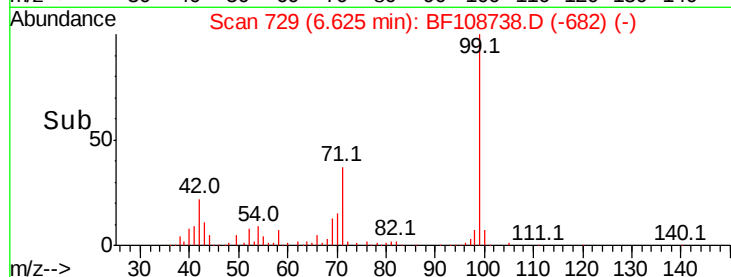
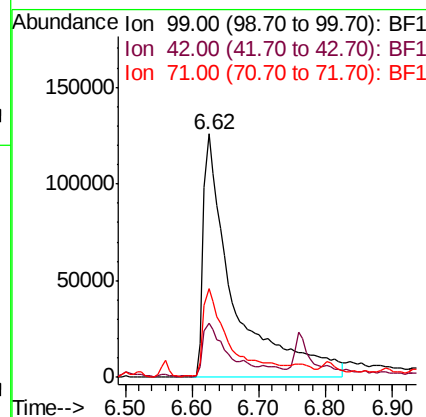
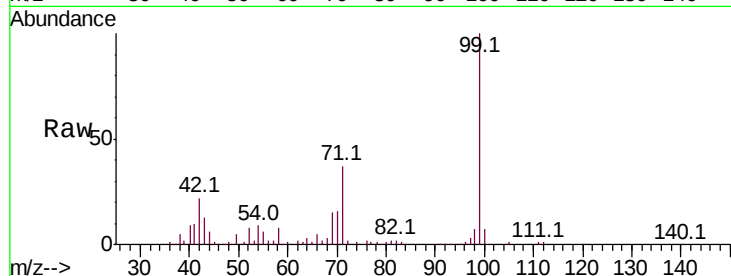
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Tot Ion: 99 Resp: 394278

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	36.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1009

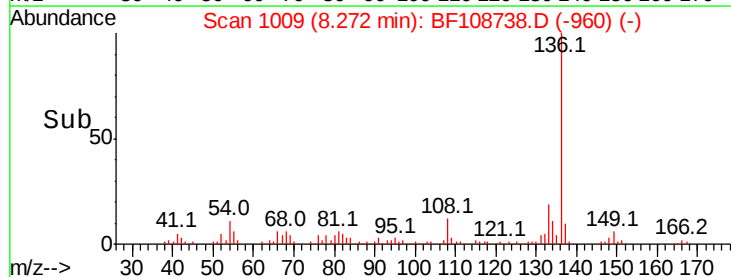
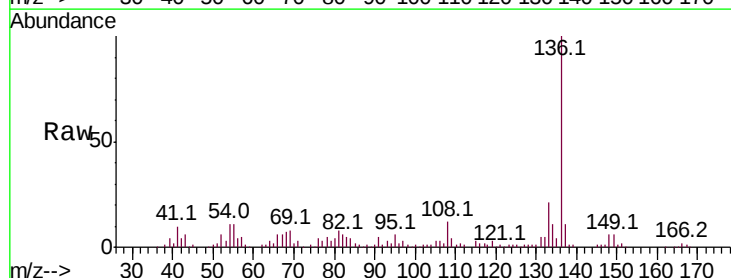
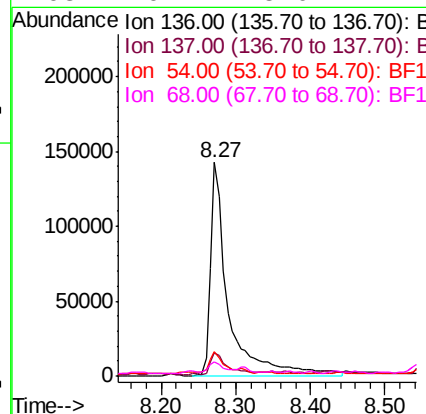
Delta R.T. -0.01 min

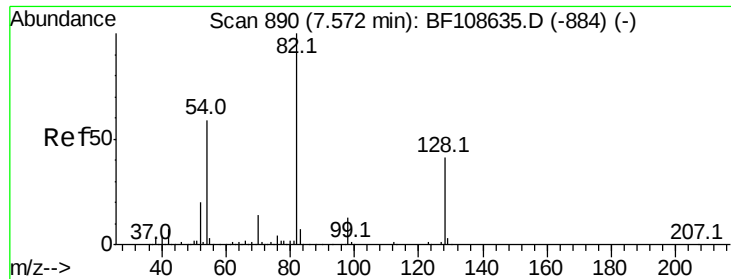
Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Tgt Ion: 136 Resp: 239931

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	11.2	6.6	9.8#
68	6.7	5.0	7.4





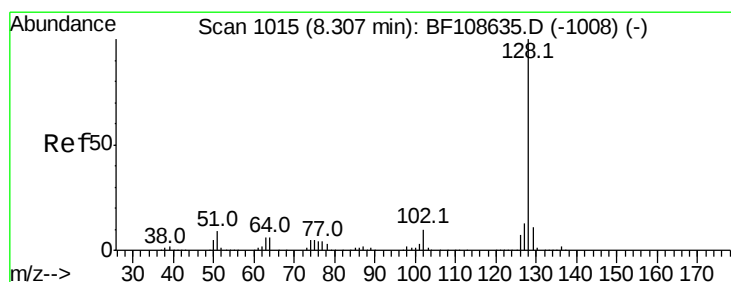
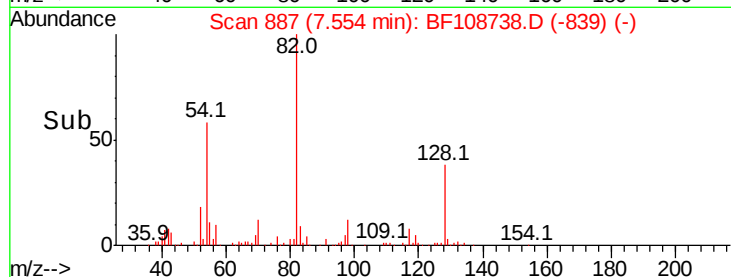
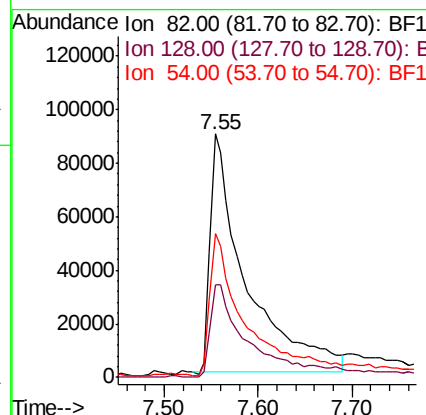
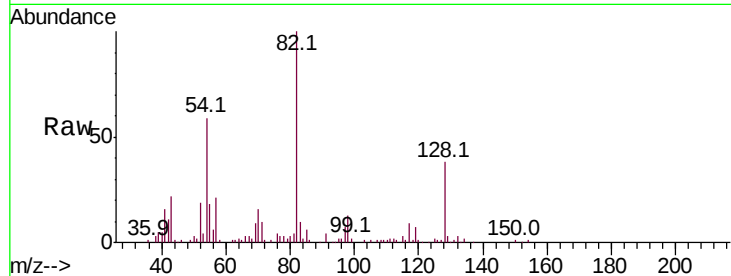
#23
Nitrobenzene-d5
Concen: 50.326 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.2	36.1	54.1
54	58.8	41.4	62.2

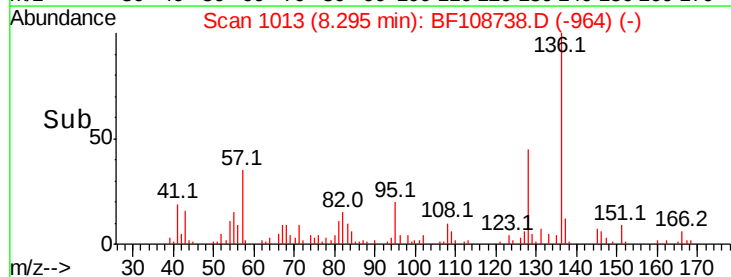
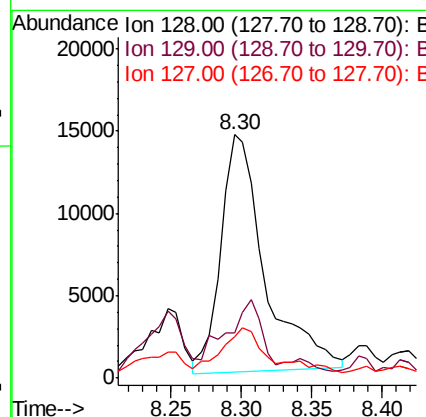
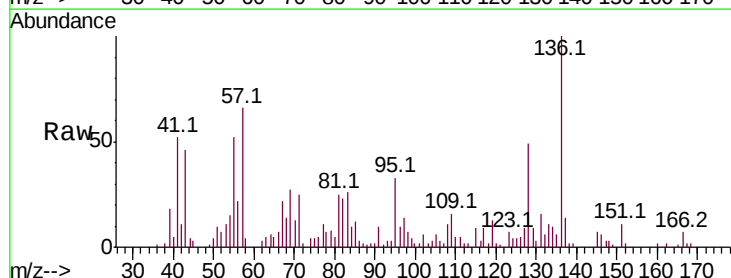
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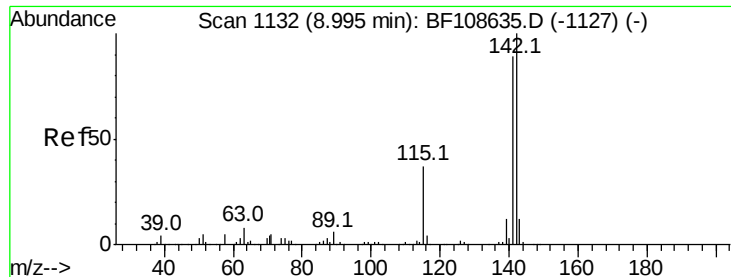
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#31
Naphthalene
Concen: 2.754 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	18.5	8.8	13.2#
127	17.2	10.9	16.3#





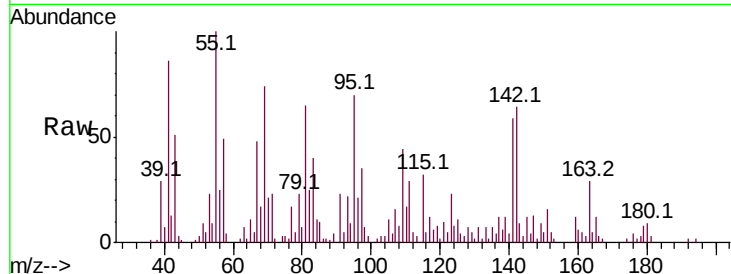
#37
2-Methylnaphthalene
Concen: 3.560 ng
RT: 8.99 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

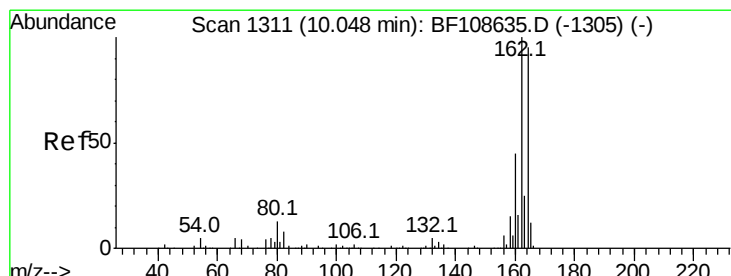
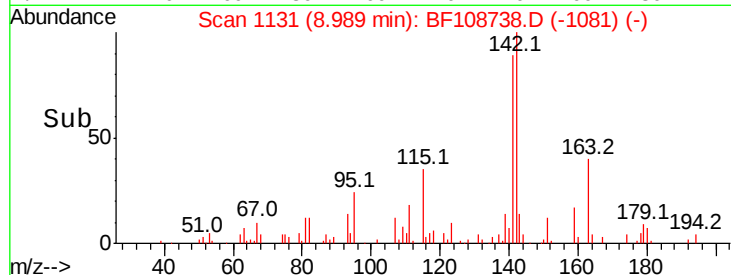
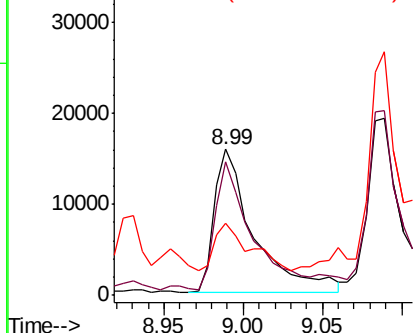
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.8	106.2
115	49.7	26.1	39.1

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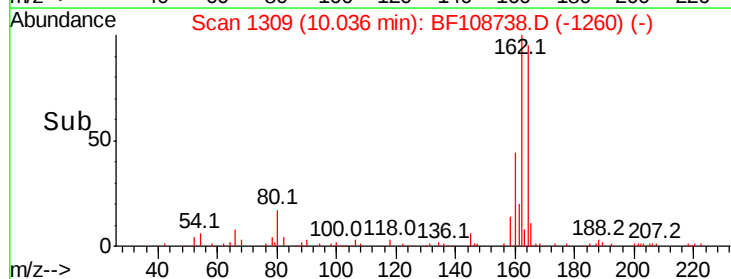
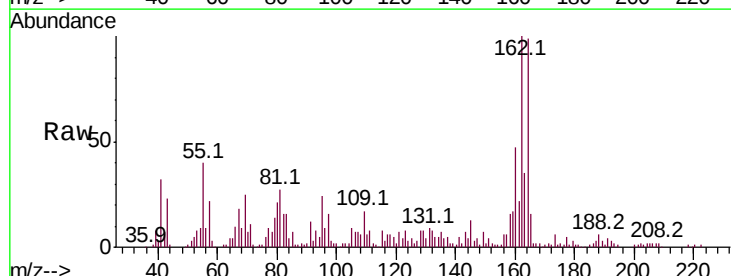
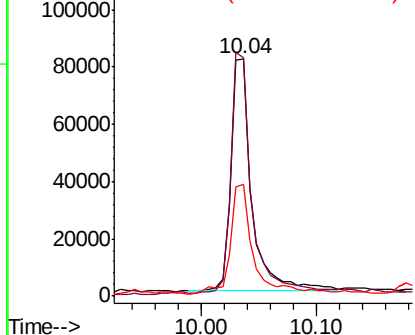
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

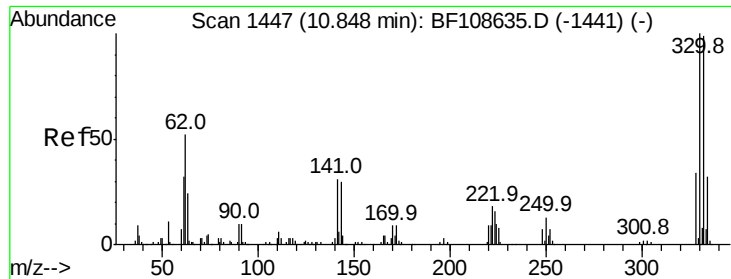


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	86.1	129.1
160	47.1	38.3	57.5

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





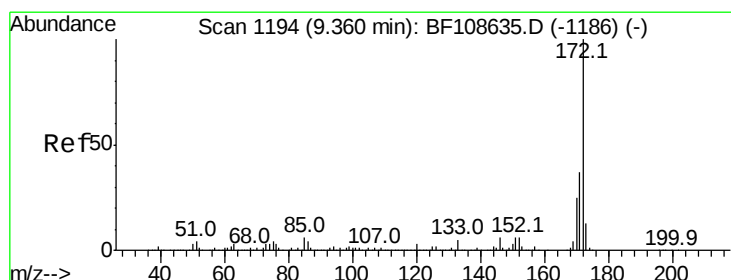
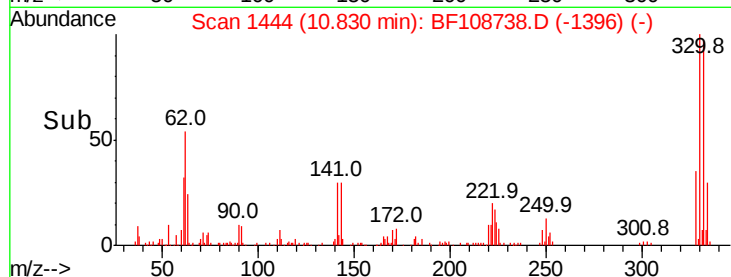
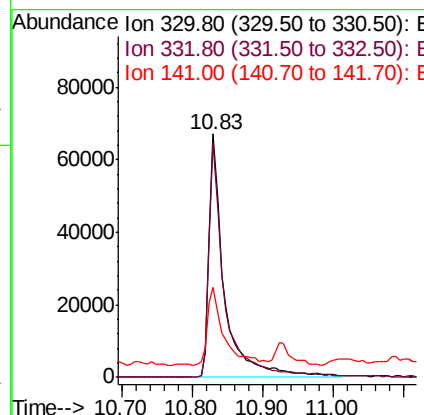
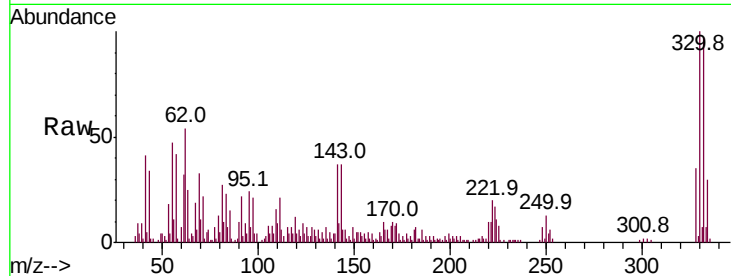
#41
 2,4,6-Tribromophenol
 Concen: 75.687 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	101973		
332	98.0	77.0	115.6	
141	33.3	29.9	44.9	

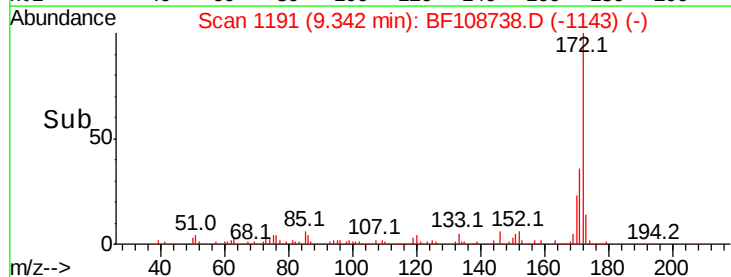
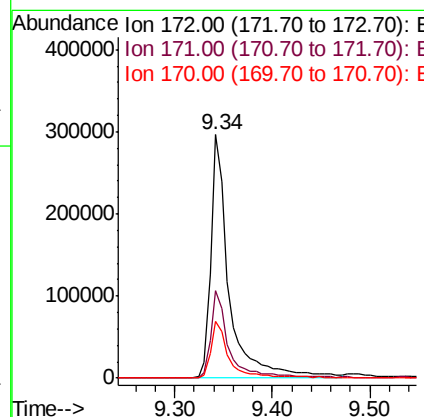
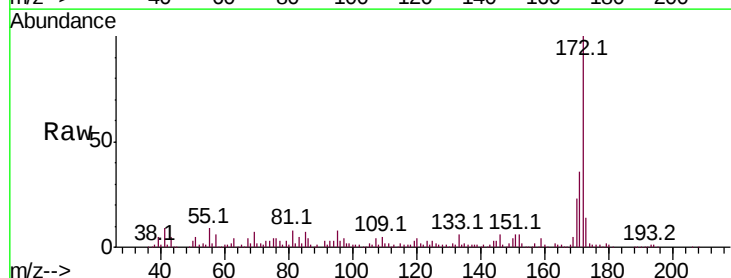
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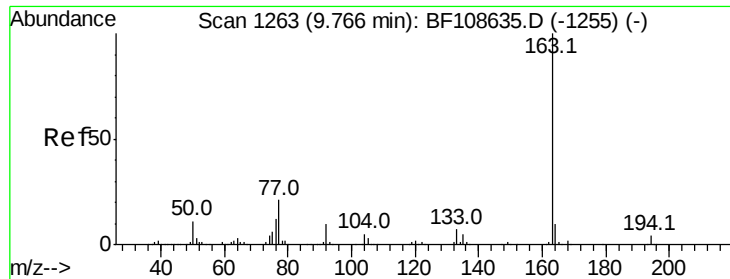
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#44
 2-Fluorobiphenyl
 Concen: 51.284 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	389270		
171	36.1	29.7	44.5	
170	23.4	19.6	29.4	





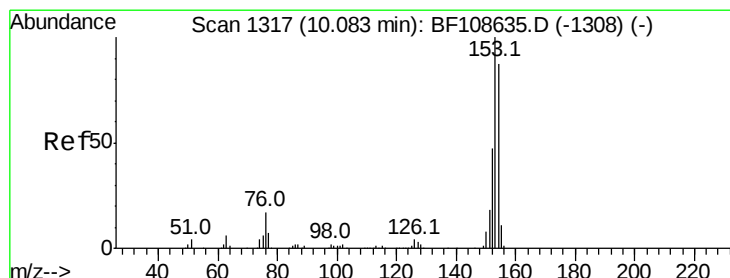
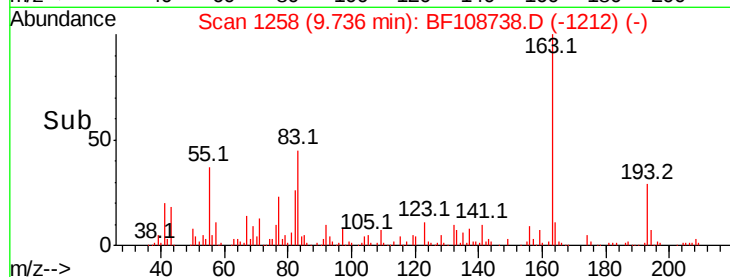
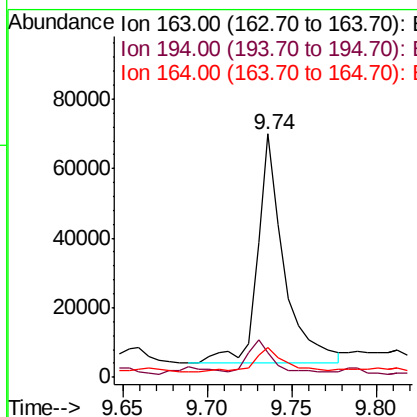
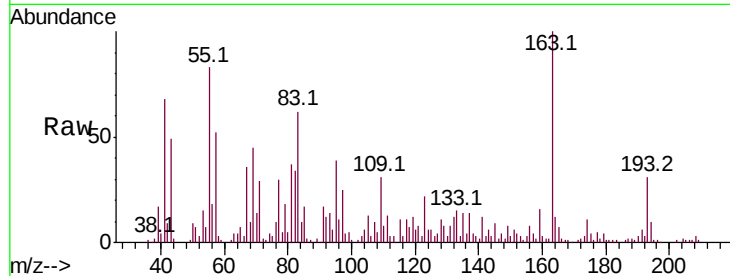
#49
 Dimethylphthalate
 Concen: 9.006 ng
 RT: 9.74 min Scan# 1258
 Delta R.T. -0.03 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-2

Tot Ion:	163	Resp:	72377
Ion Ratio	Lower	Upper	
163	100		
194	10.3	2.7	4.1#
164	12.1	8.2	12.2

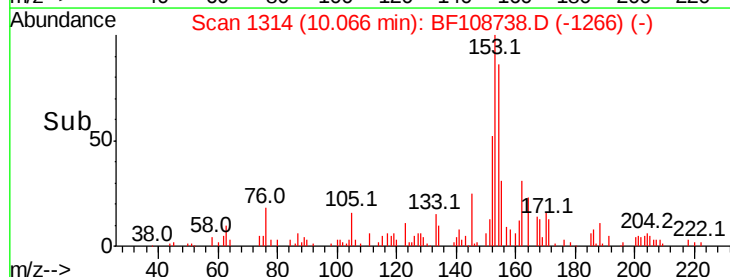
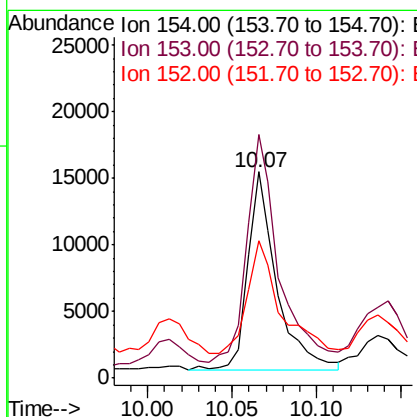
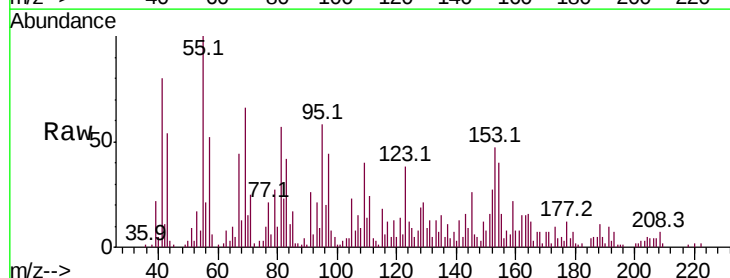
Manual Integrations
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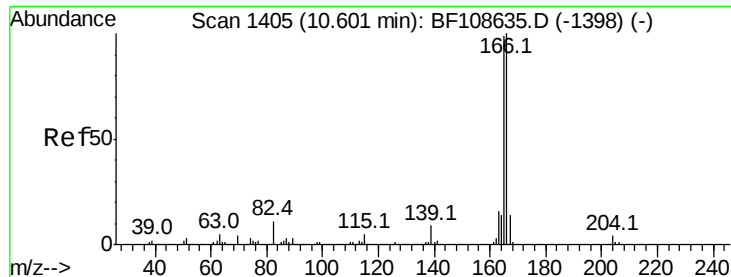
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#51
 Acenaphthene
 Concen: 2.948 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Tgt Ion:	154	Resp:	17949
Ion Ratio	Lower	Upper	
154	100		
153	118.0	91.2	136.8
152	66.8	43.8	65.8#





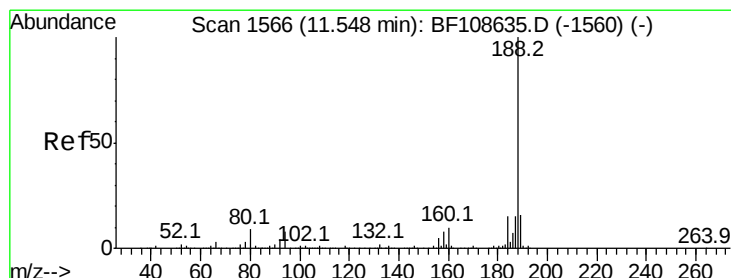
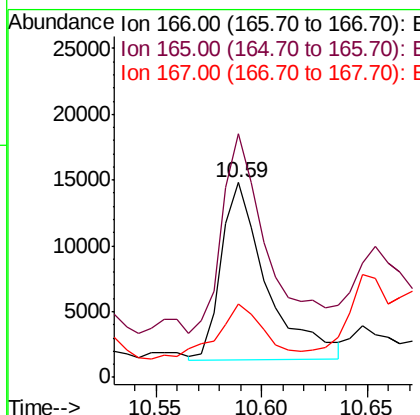
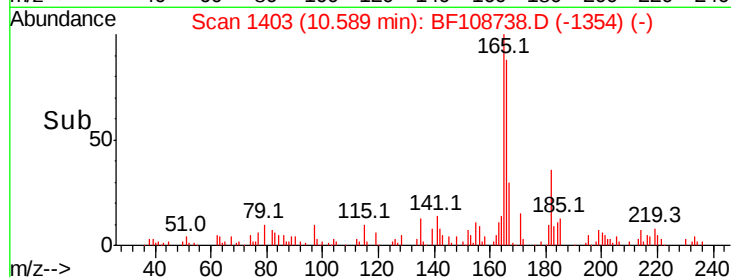
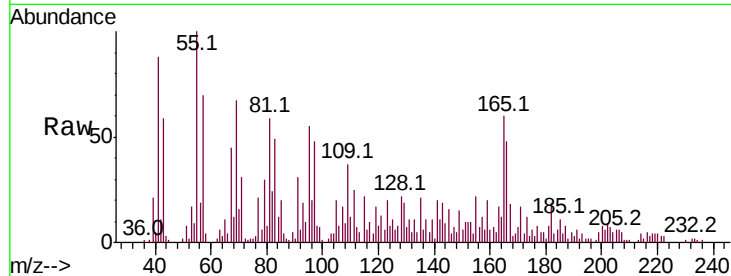
#57
Fluorene
Concen: 2.739 ng
RT: 10.59 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	125.1	79.8	119.8#
167	37.6	10.6	16.0#

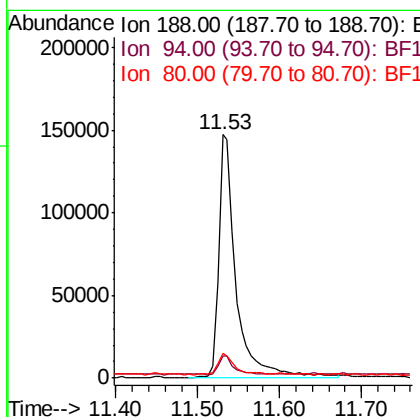
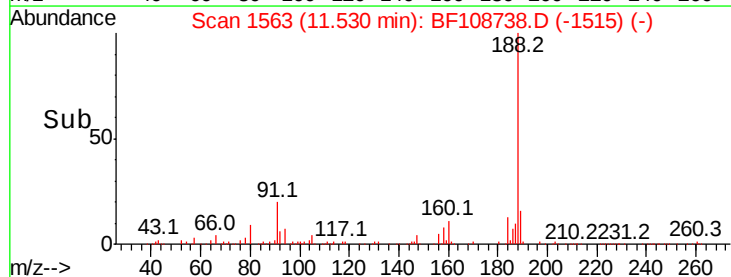
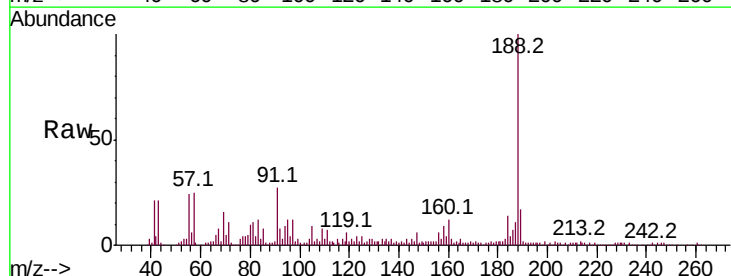
Manual Integrations
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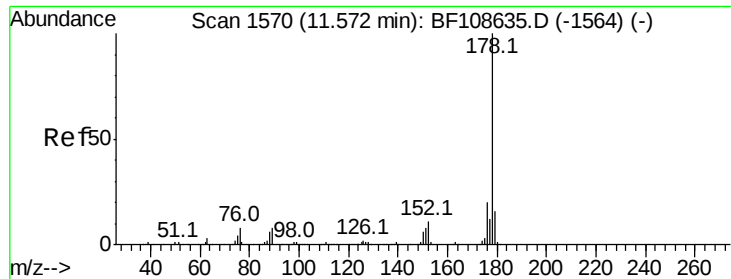
Sohil
9/5/2018 12:47:18 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.2	9.2	13.8





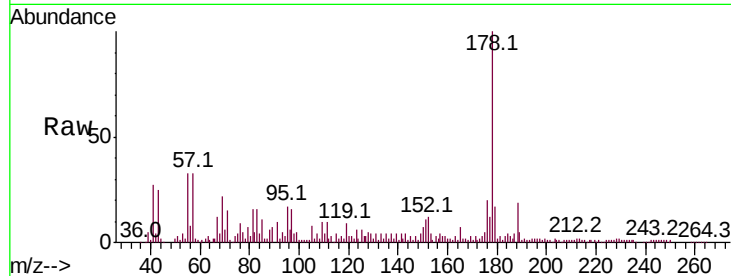
#70
Phenanthrene
Concen: 13.340 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampled :
KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	17.1	13.0	19.6

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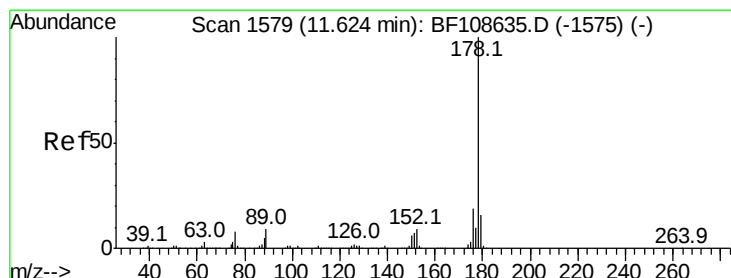
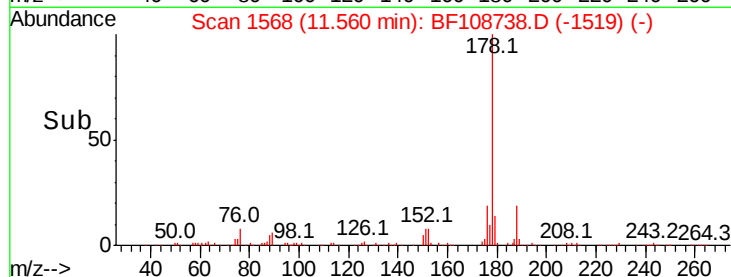
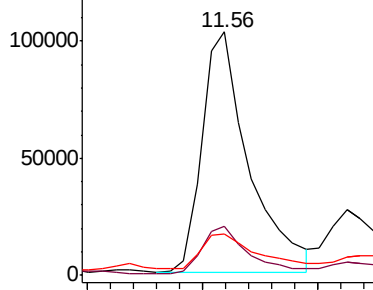


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 6.790 ng m
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

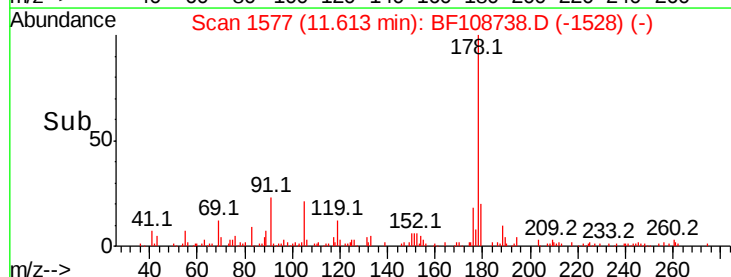
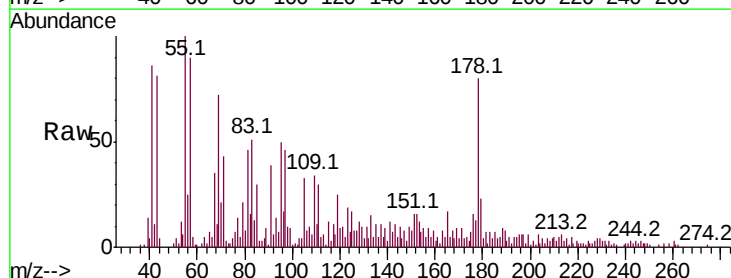
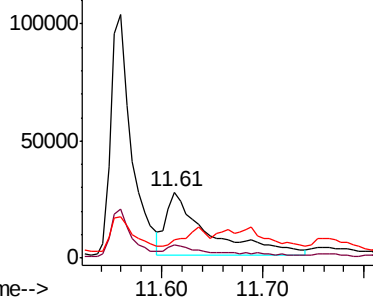
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	28.5	12.6	19.0#

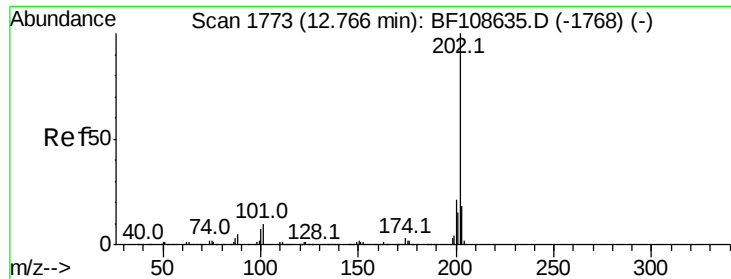
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.198 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

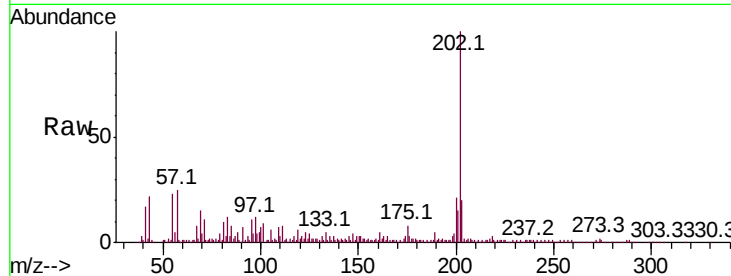
ClientSampleId :

KG-SLUDGE-2

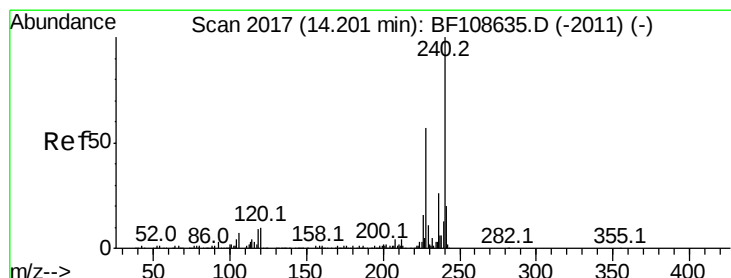
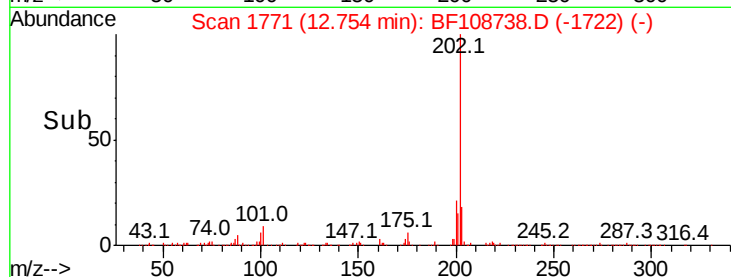
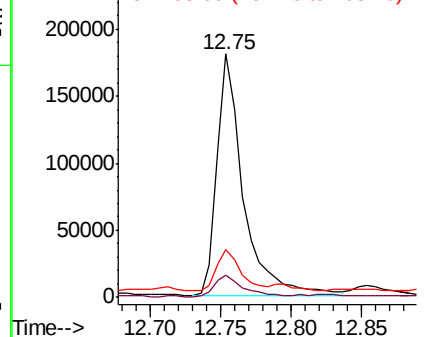
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	34.1
203	19.8	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

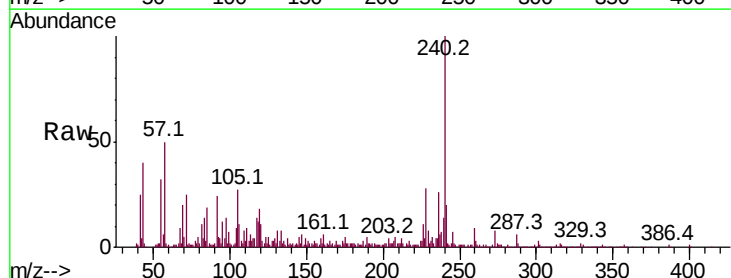
RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

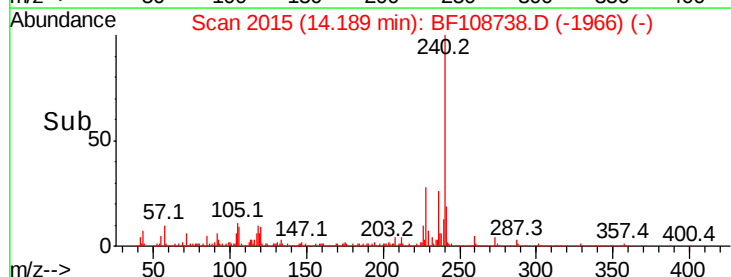
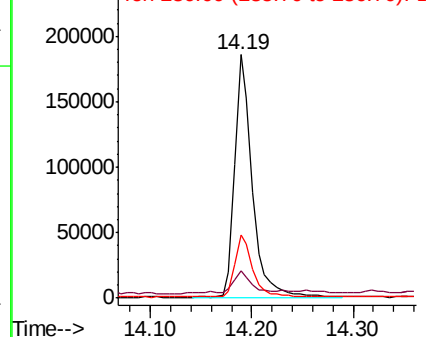
Lab File: BF108738.D

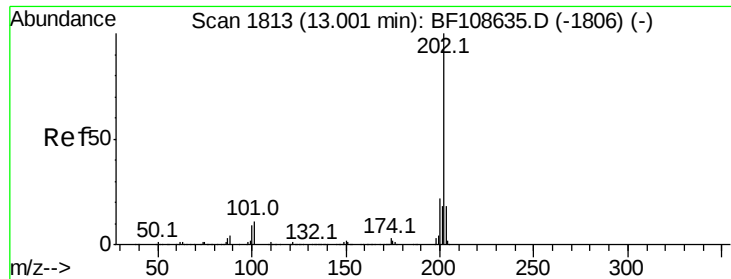
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.0	20.7	31.1



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





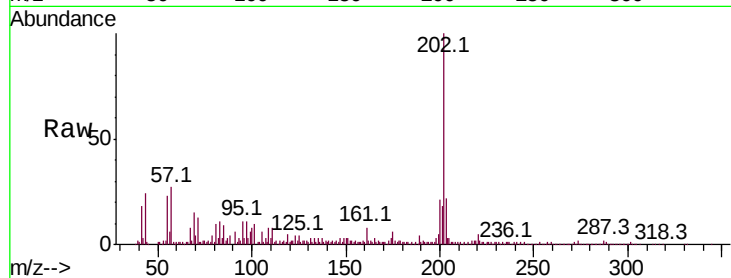
#77
Pvrene
Concen: 16.832 ng/ml
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	17.4	26.2
203	21.6	14.3	21.5#

Manual Integrations
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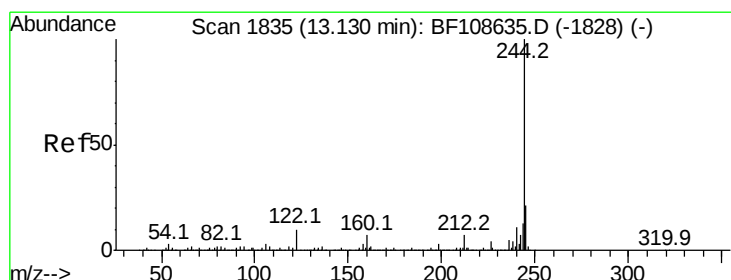
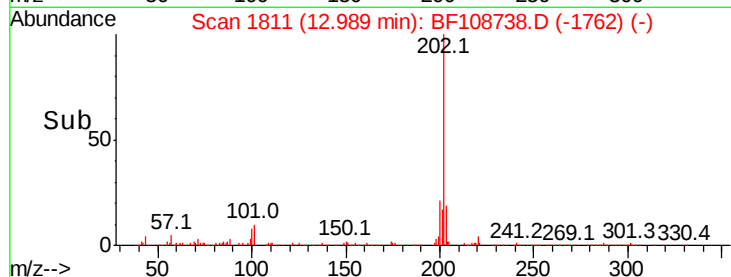
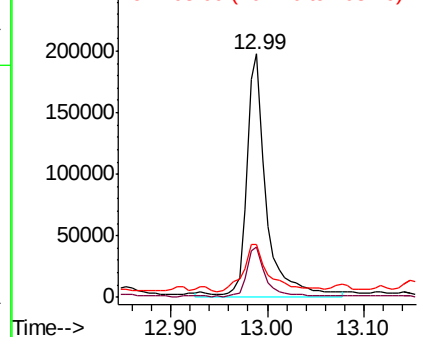


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 39.857 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

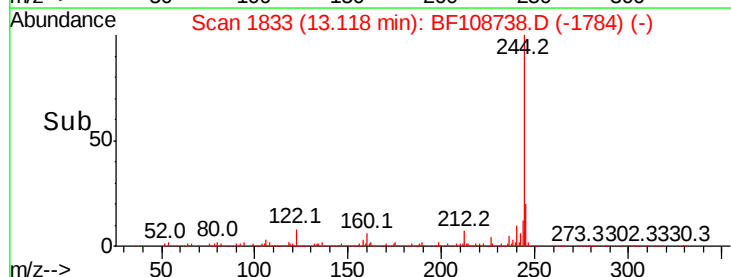
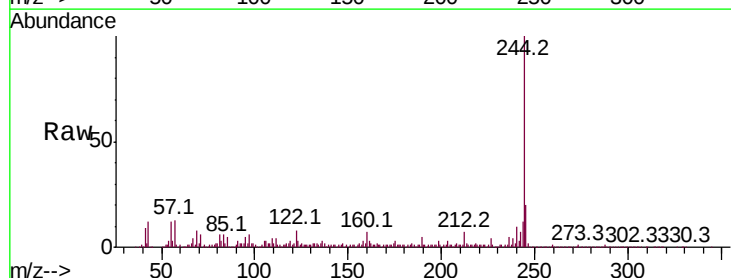
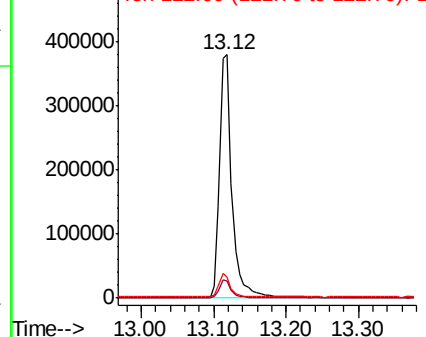
Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	5.4	8.0
122	8.5	11.0	16.4#

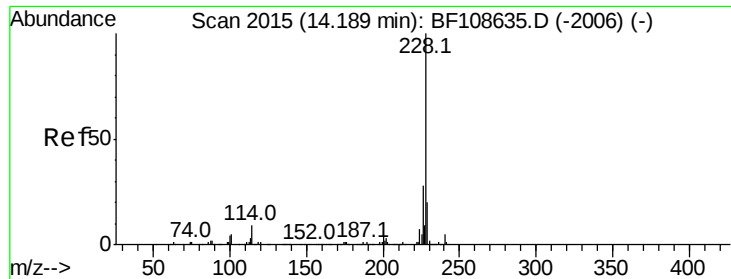
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





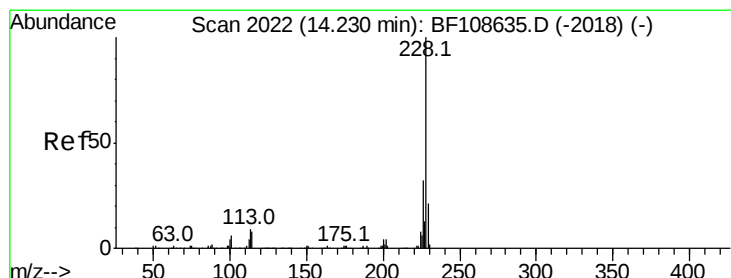
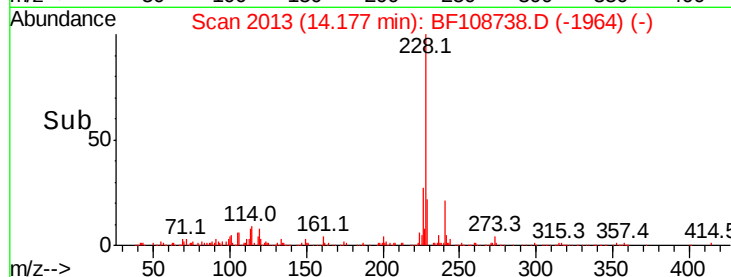
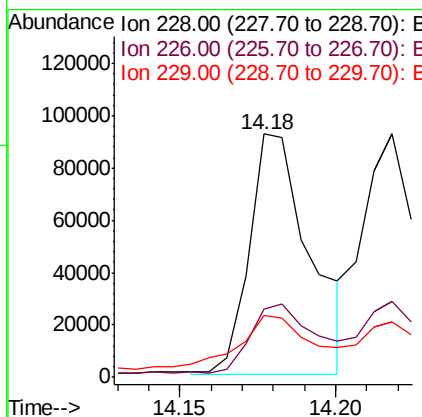
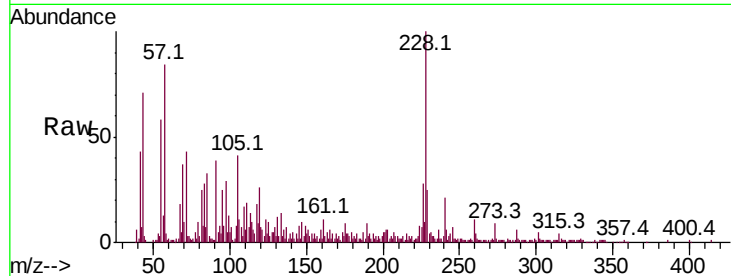
#80
Benzo(a)anthracene
Concen: 9.193 ng m
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	25.2	15.8	23.6

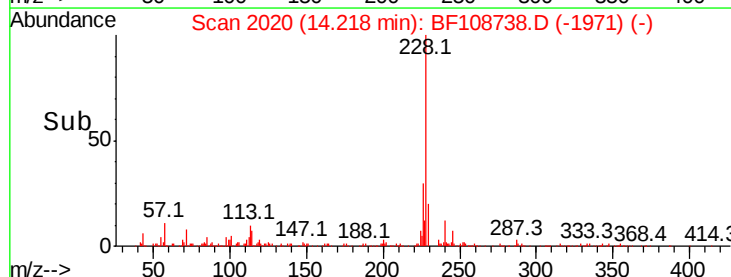
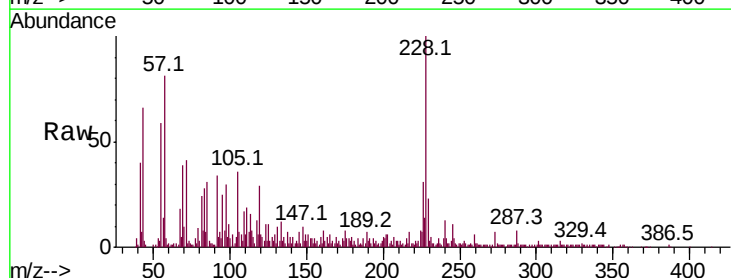
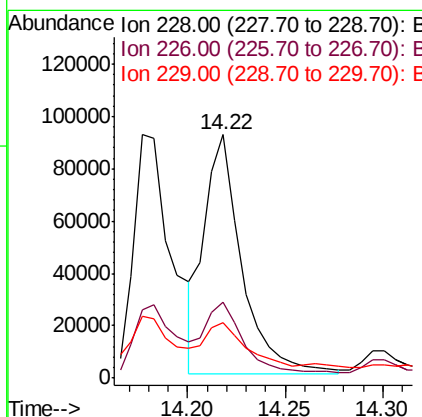
Manual Integrations
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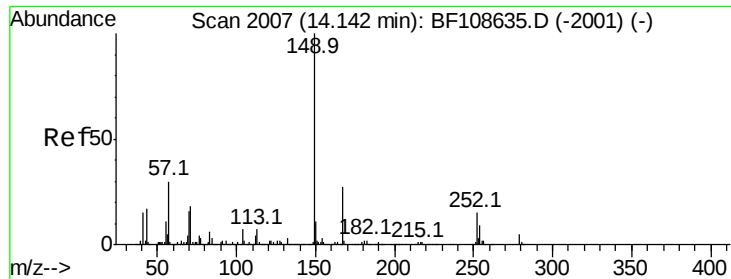
Sohil
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#82
Chrysene
Concen: 9.447 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.0	16.2	24.4





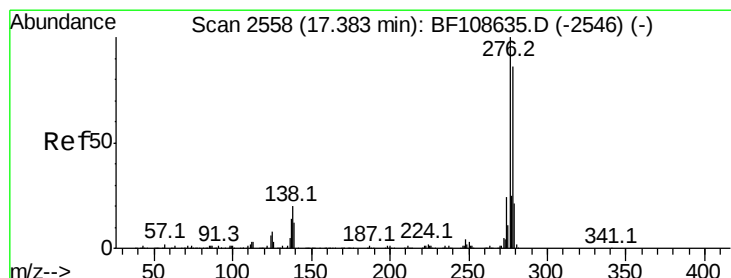
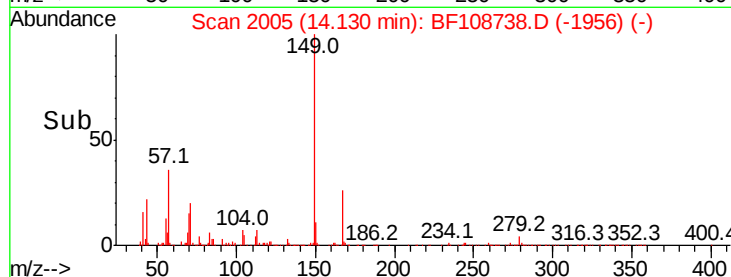
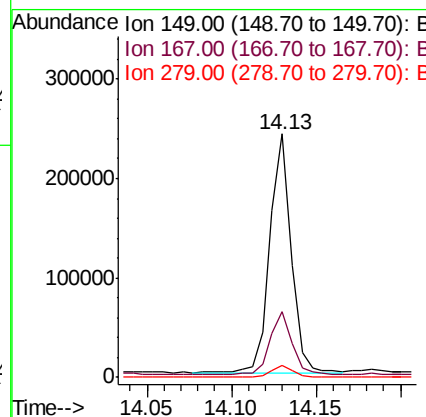
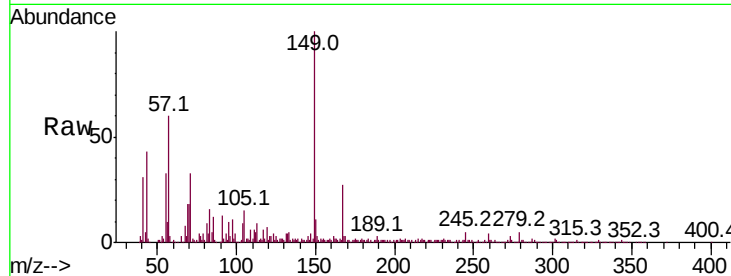
#83
Bis(2-ethylhexyl)phthalate
Concen: 23.181 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	27.1	21.3	31.9	
279	4.7	3.0	4.4	

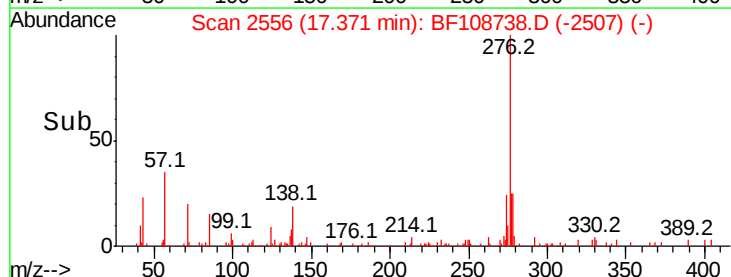
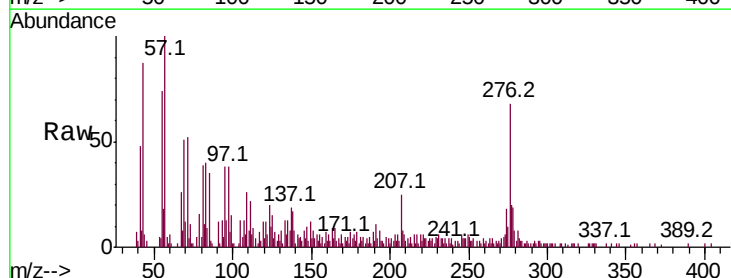
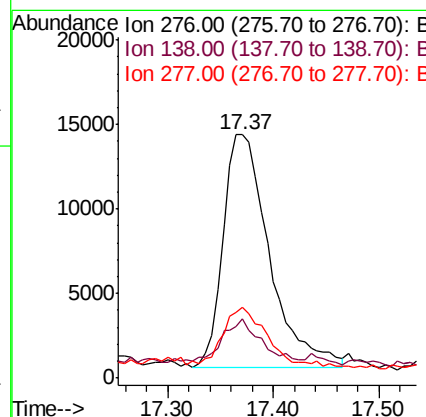
Manual Integrations
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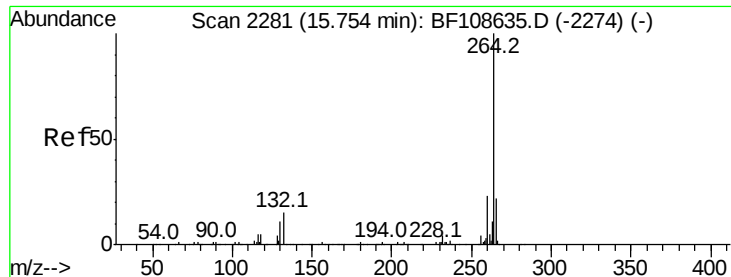
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.574 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	15.9	25.0	37.6	
277	21.3	20.1	30.1	





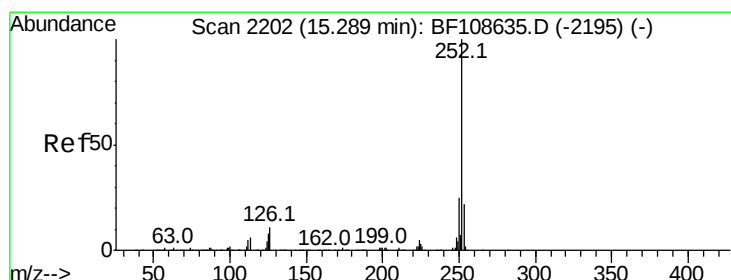
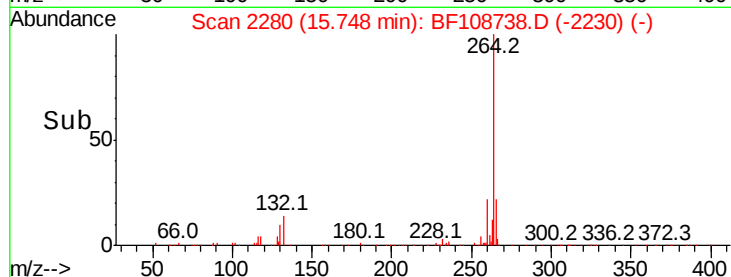
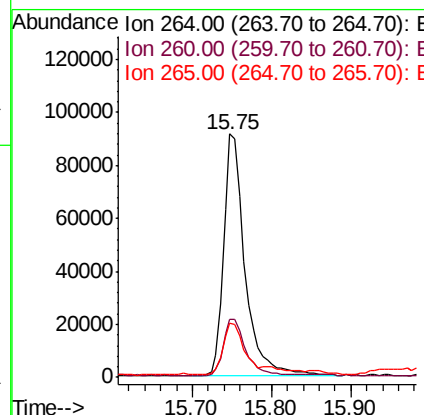
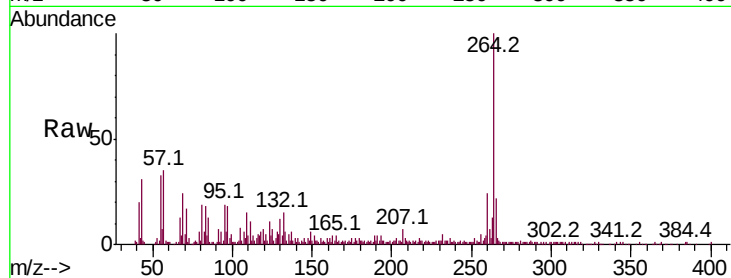
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3

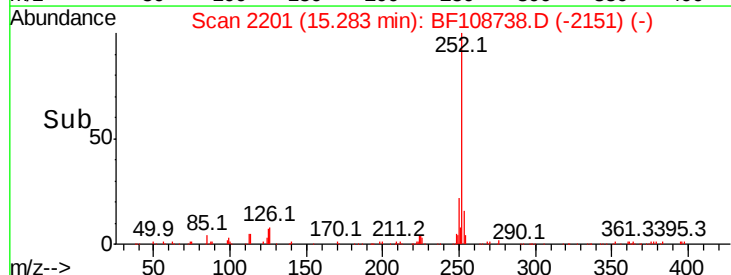
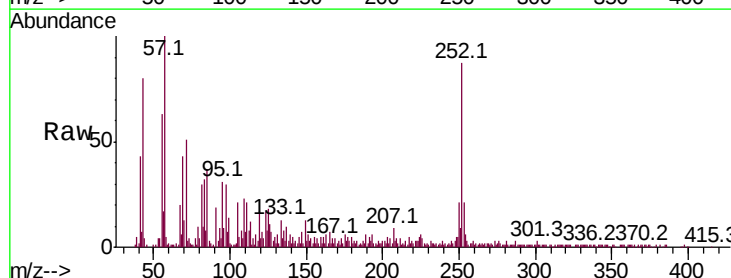
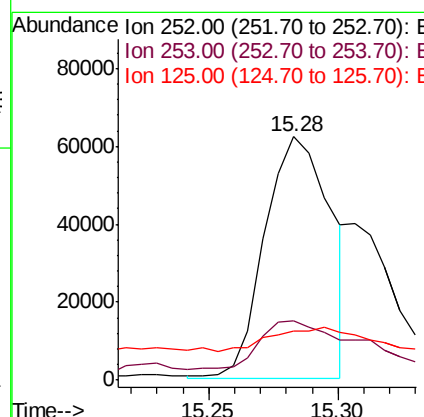
Manual Integrations
APPROVED

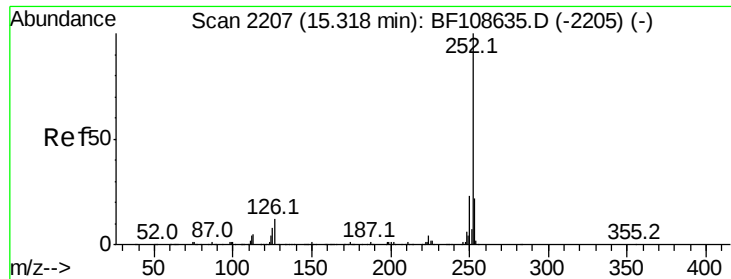
Sohil
9/5/2018 12:47:18 PM



#87
Benzo(b)fluoranthene
Concen: 10.360 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	20.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 5.360 ng m

RT: 15.31 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

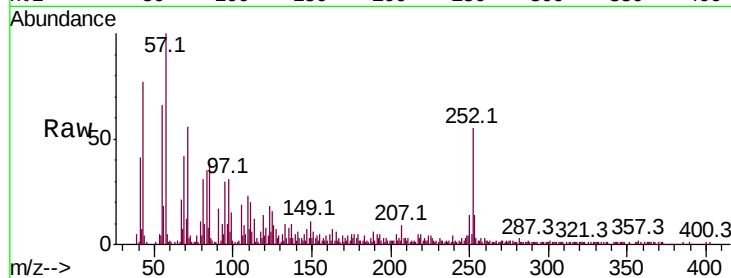
ClientSampleId :

KG-SLUDGE-2

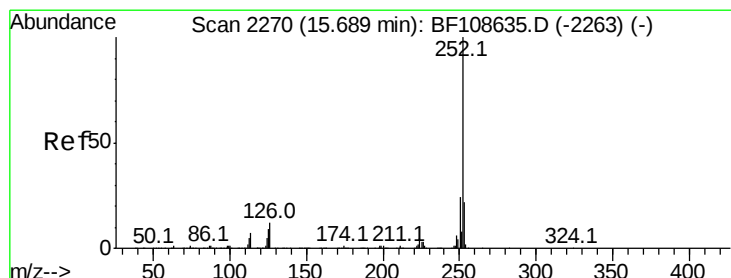
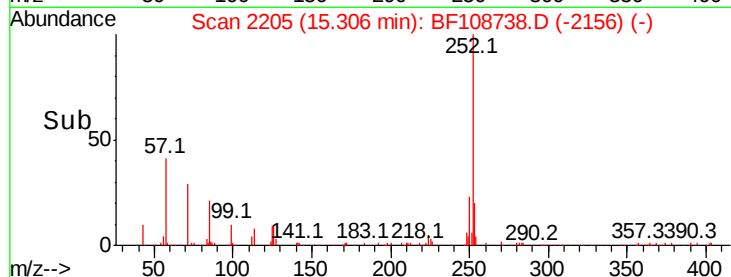
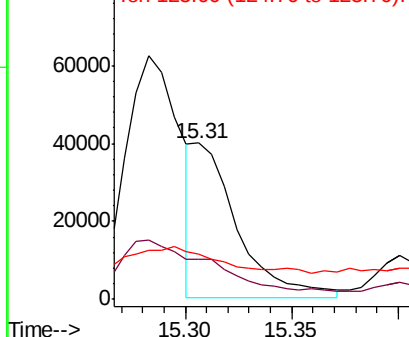
Tot Ion:	252	Resp:	56056
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	28.9	10.2	15.2#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 8.810 ng

RT: 15.68 min Scan# 2269

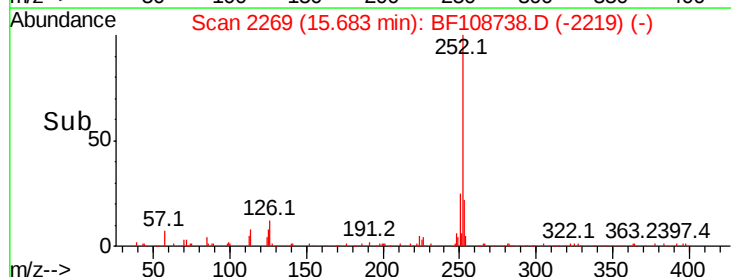
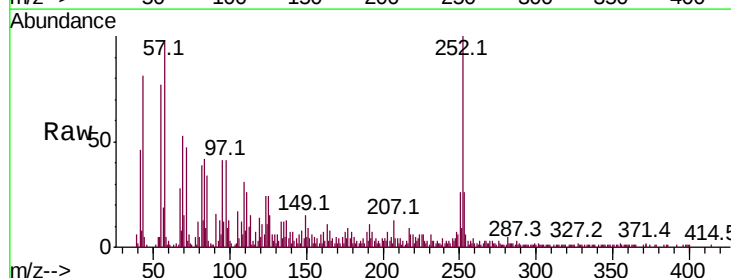
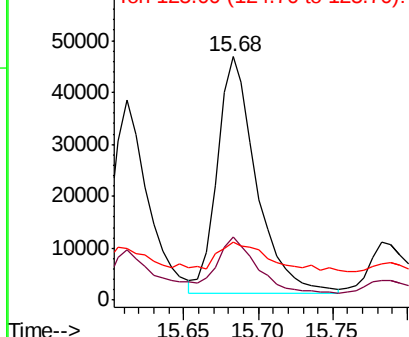
Delta R.T. -0.01 min

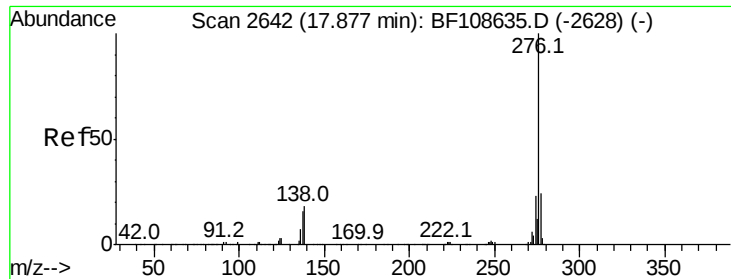
Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Tgt Ion:	252	Resp:	84052
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.1	25.7#
125	23.6	9.8	14.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





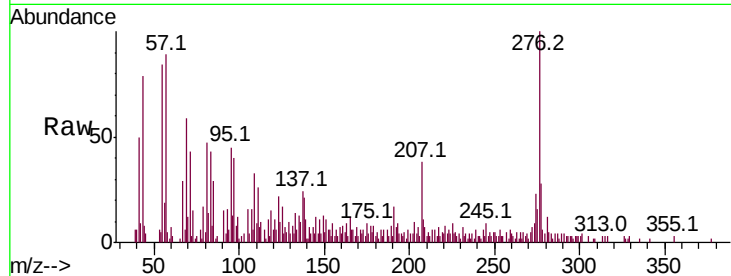
#91
 Benzo(a,h,i)perylene
 Concen: 6.216 ng
 RT: 17.87 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.3	17.9	26.9#
138	20.8	21.8	32.8#

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

