

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108407.D
 Acq On : 23 Aug 2018 3:59
 Operator : JU/SJ
 Sample : J4586-02 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-240-UST-SLUDGE

Manual Integrations
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Sohil
 8/23/2018 3:43:42 PM

Quant Time: Aug 23 08:19:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	134689	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	496090	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	231468	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	356075	20.00	ng	0.00
75) Chrysene-d12	14.21	240	236802	20.00	ng	0.00
86) Perylene-d12	15.78	264	197718	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	39220	5.27	ng	-0.01
7) Phenol-d6	6.61	99	58420	5.91	ng	-0.02
23) Nitrobenzene-d5	7.56	82	31112m	3.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	9696	4.20	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	70436	4.89	ng	-0.01
78) Terphenyl-d14	13.12	244	45471	4.88	ng	0.00
Target Compounds						
13) 1,4-Dichlorobenzene	7.17	146	27378	2.813	ng	95
31) Naphthalene	8.31	128	754875	33.459	ng	99
37) 2-Methylnaphthalene	9.00	142	571998	35.834	ng	97
70) Phenanthrene	11.57	178	86890	5.174	ng	97
74) Fluoranthene	12.77	202	41492	2.264	ng	88
77) Pyrene	12.99	202	64001	4.269	ng	# 94
83) Bis(2-ethylhexyl)phthalate	14.15	149	16581	2.057	ng	# 67

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

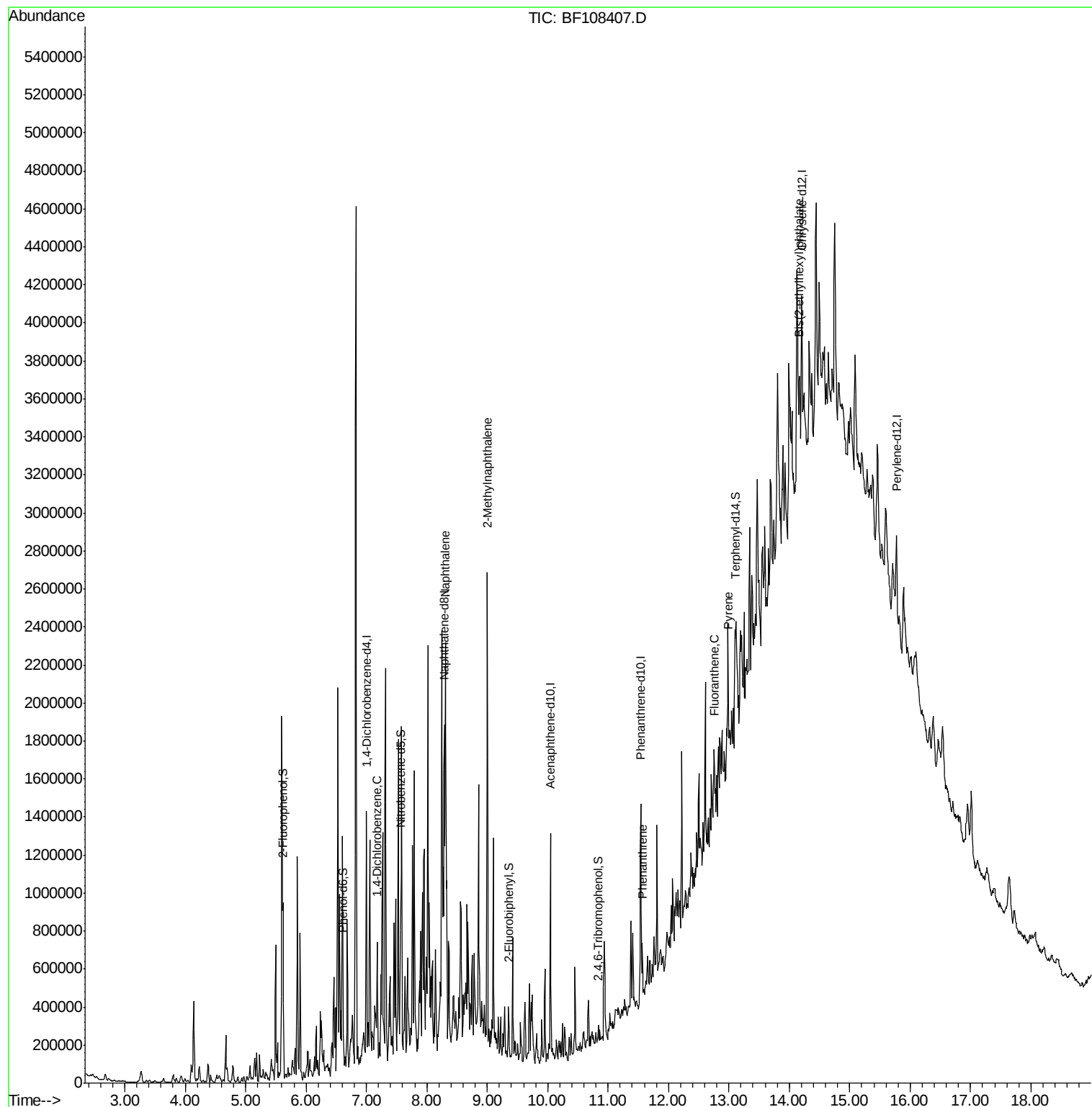
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
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#1

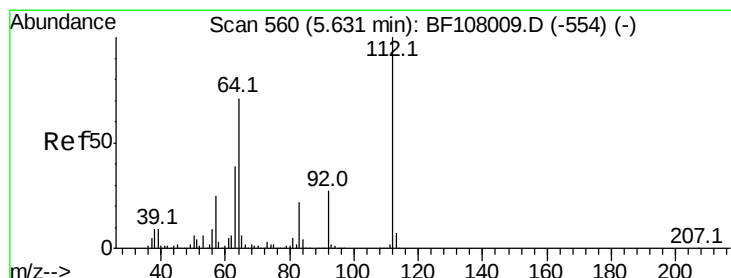
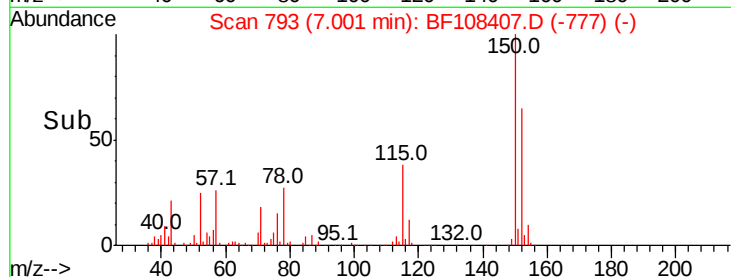
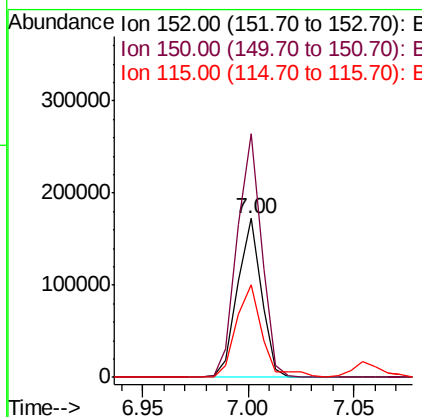
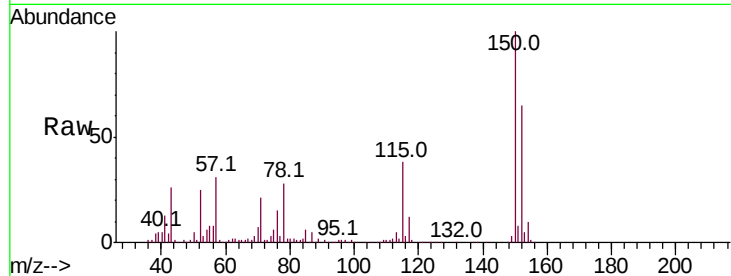
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampleId :
EP1-240-UST-SLUDGE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	58.7	50.1	75.1

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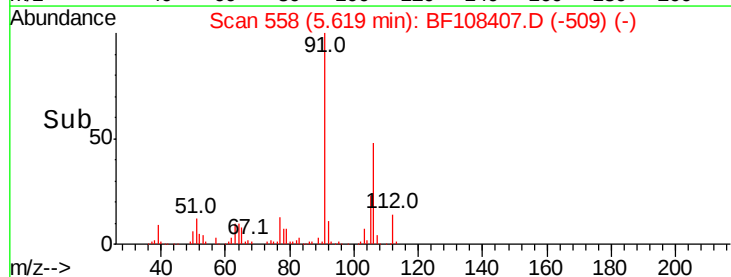
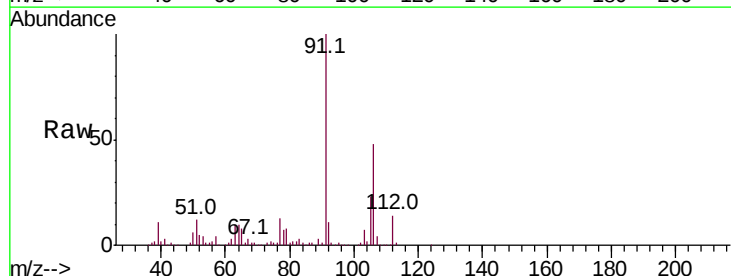
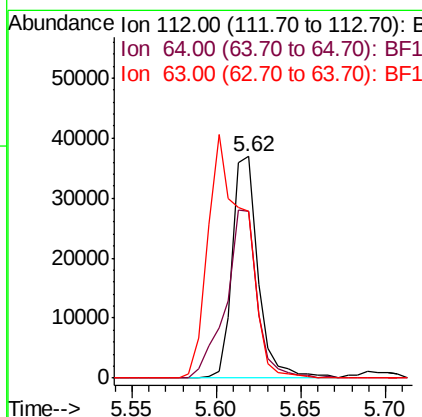
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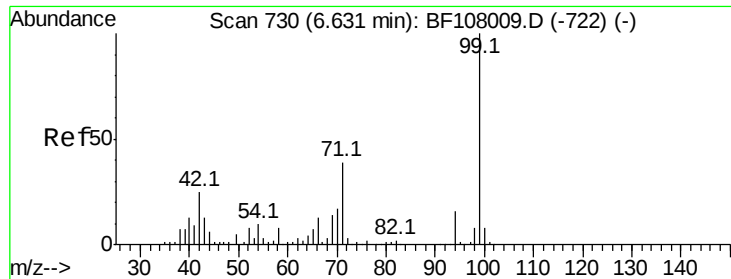


#5

2-Fluorophenol
Concen: 5.272 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.3	47.9	71.9#
63	75.4	23.7	35.5#





#7

Phenol-d6

Concen: 5.909 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

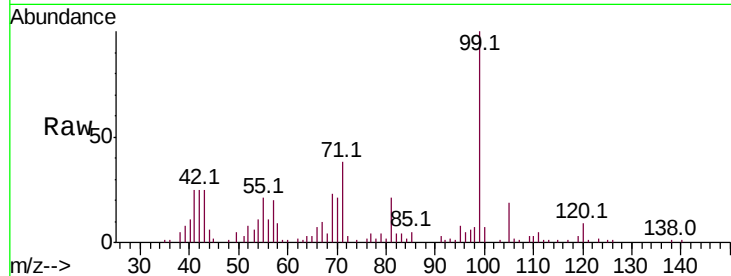
ClientSampleId :

EP1-240-UST-SLUDGE

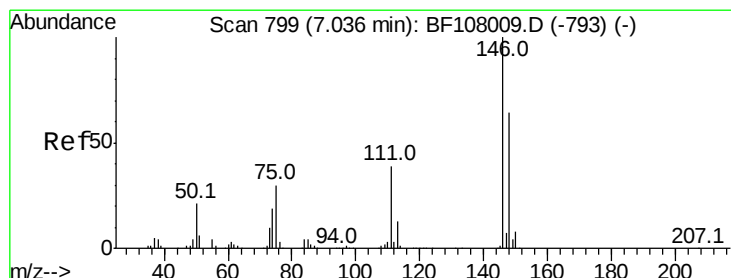
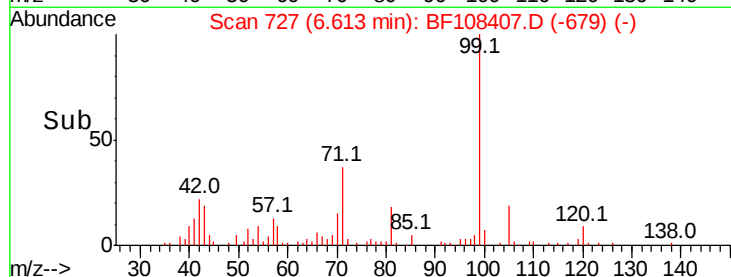
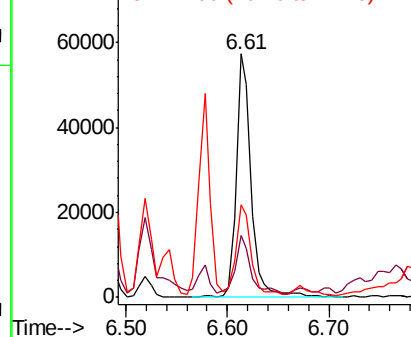
Tot Ion:	99	Resp:	58420
Ion Ratio	Lower	Upper	
99	100		
42	25.4	14.5	21.7#
71	38.0	25.4	38.0

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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



#13

1,4-Dichlorobenzene

Concen: 2.813 ng

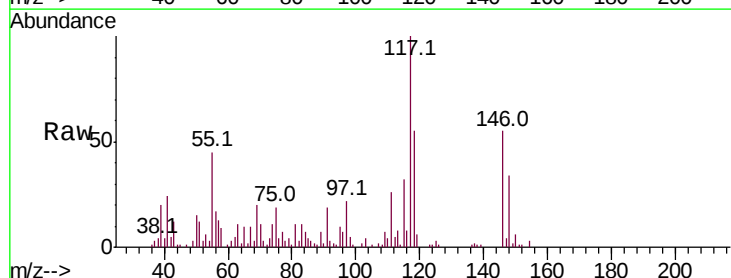
RT: 7.17 min Scan# 822

Delta R.T. 0.15 min

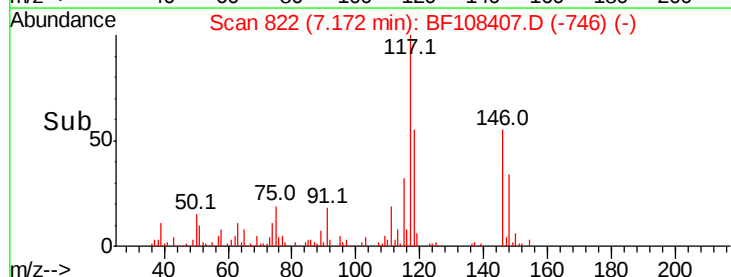
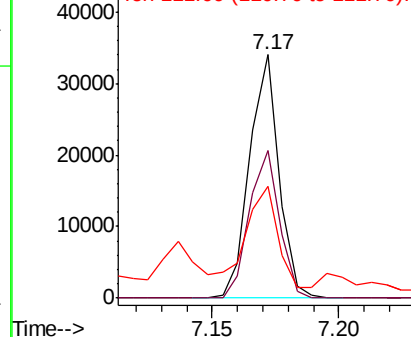
Lab File: BF108407.D

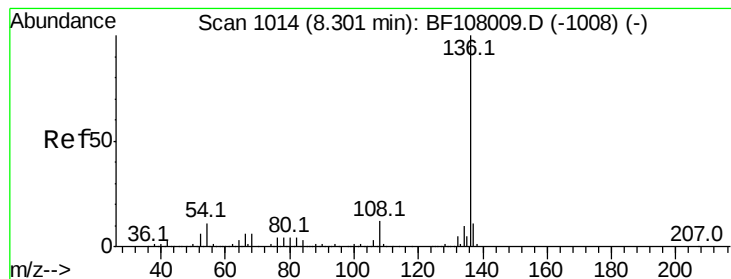
Acq: 23 Aug 2018 3:59

Tgt Ion:	146	Resp:	27378
Ion Ratio	Lower	Upper	
146	100		
148	60.4	50.8	76.2
111	46.2	34.2	51.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





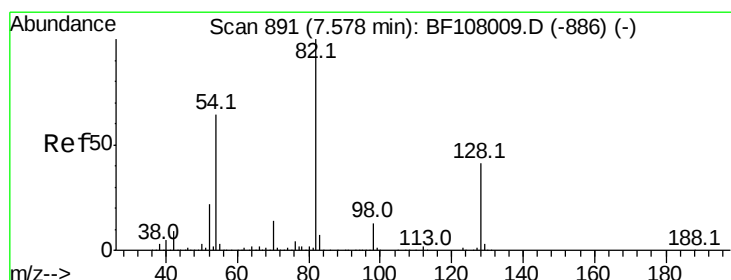
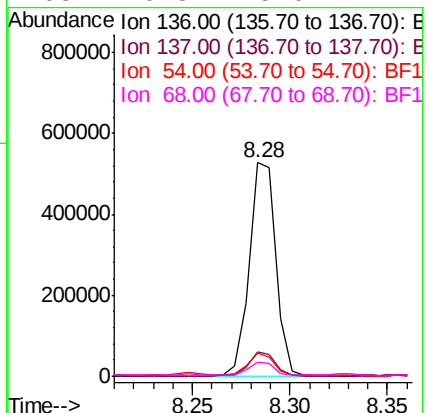
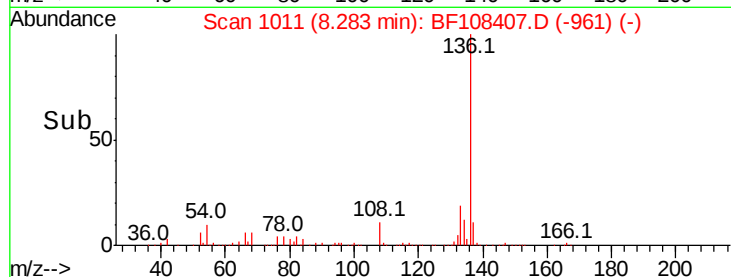
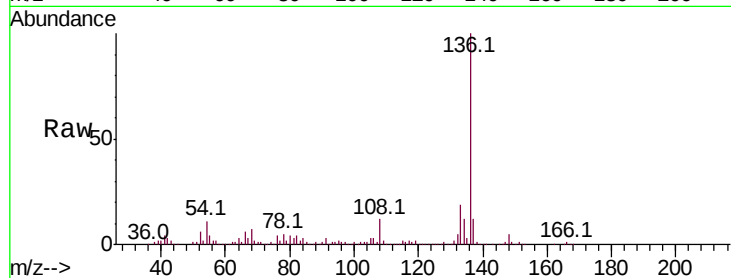
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampleId :
EP1-240-UST-SLUDGE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.6	8.9	13.3
54	10.6	6.6	9.8
68	6.8	5.0	7.4

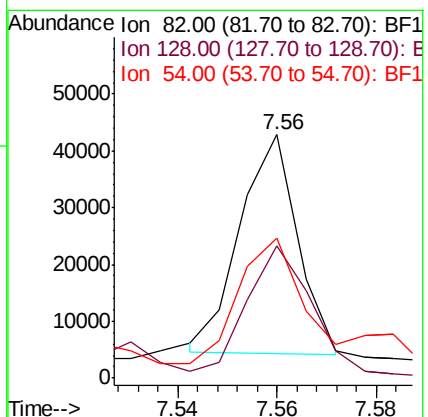
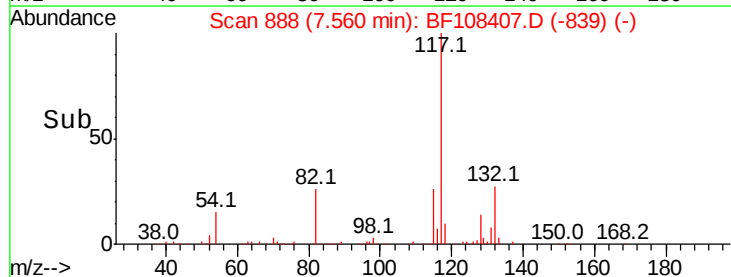
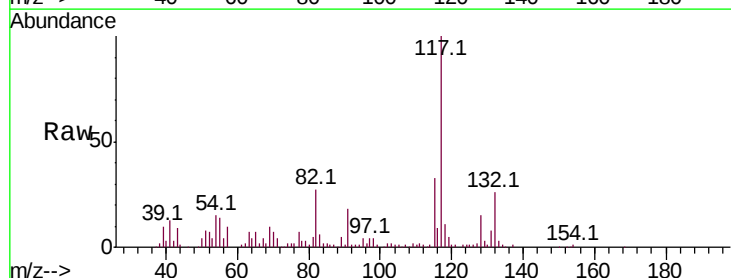
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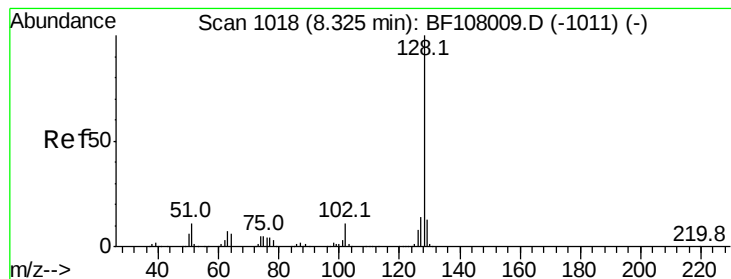
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#23
Nitrobenzene-d5
Concen: 3.500 ng m
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	54.2	36.1	54.1
54	57.4	41.4	62.2





#31

Naphthalene

Concen: 33.459 ng

RT: 8.31 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

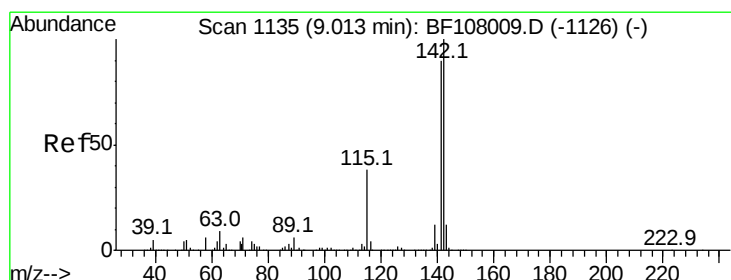
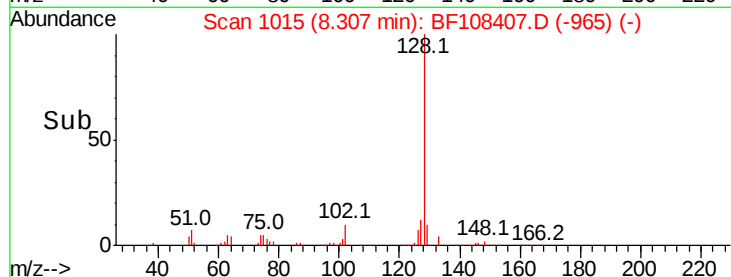
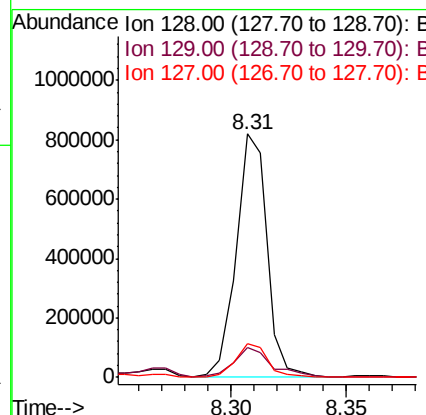
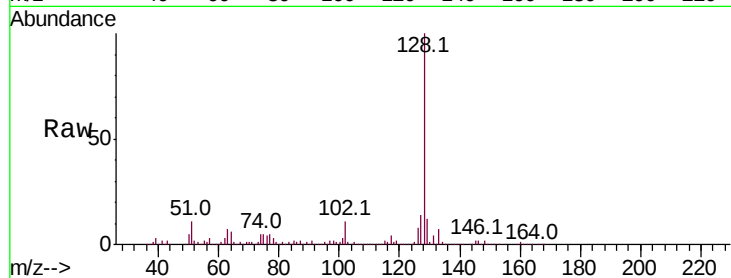
ClientSampleId :

EP1-240-UST-SLUDGE

Tot Ion:	128	Resp:	754875
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.8	13.2
127	13.7	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 35.834 ng

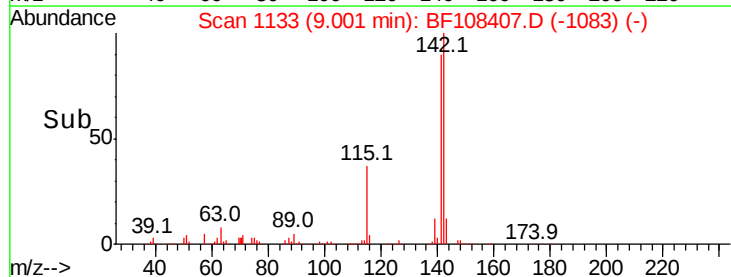
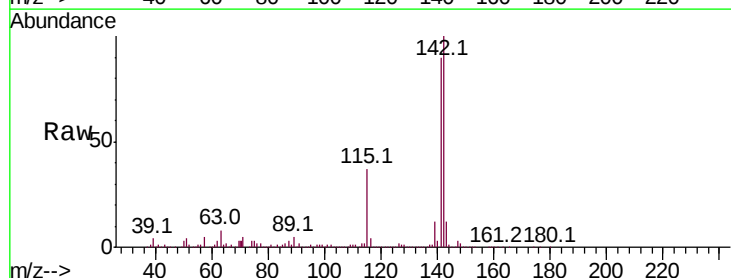
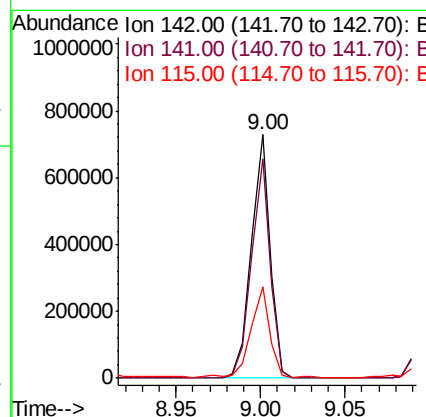
RT: 9.00 min Scan# 1133

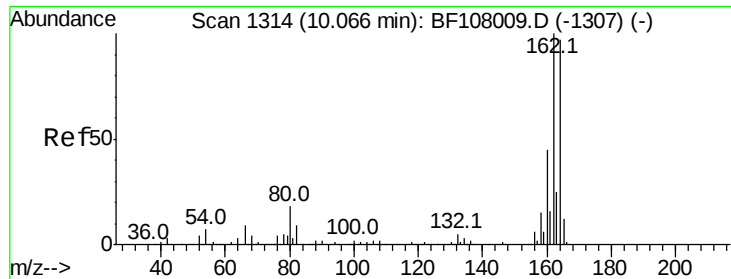
Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Tgt Ion:	142	Resp:	571998
Ion Ratio	Lower	Upper	
142	100		
141	90.1	70.8	106.2
115	37.2	26.1	39.1





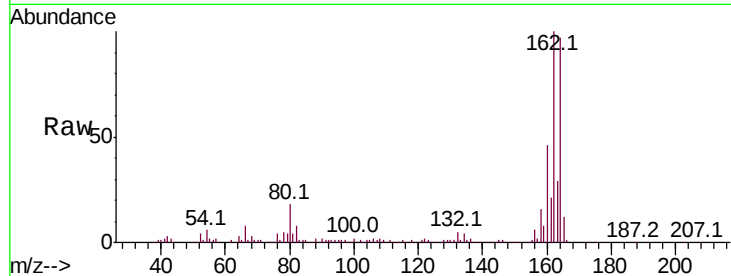
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF108407.D
 Acq: 23 Aug 2018 3:59

Instrument :
 BNA_F
 ClientSampleId :
 EP1-240-UST-SLUDGE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	86.1	129.1	
160	47.4	38.3	57.5	

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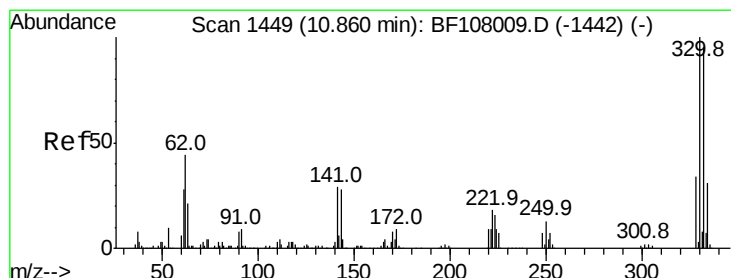
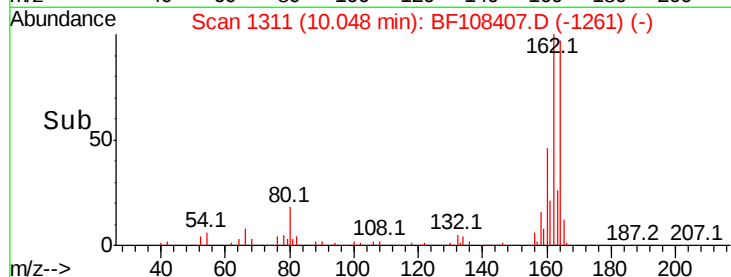
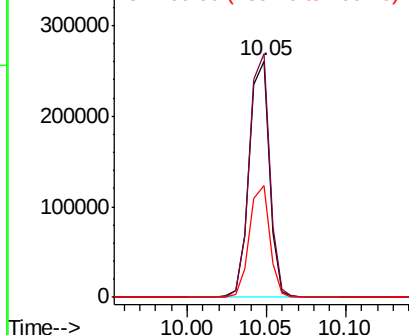


Abundance

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: 4.200 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108407.D
 Acq: 23 Aug 2018 3:59

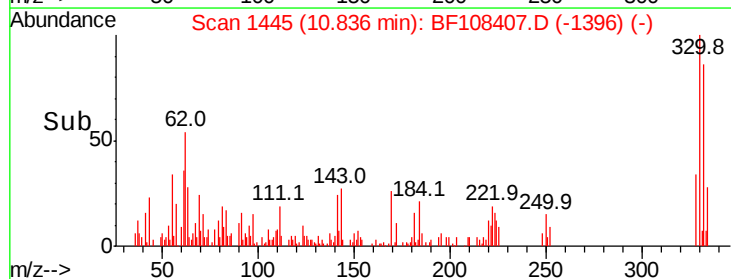
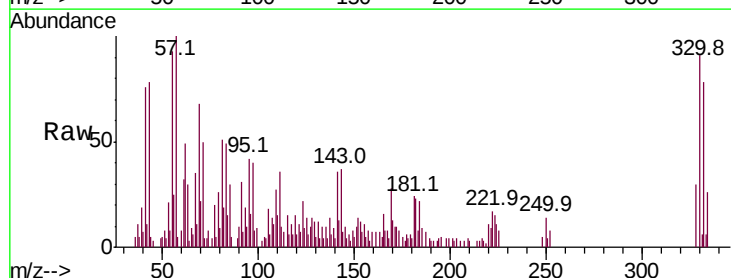
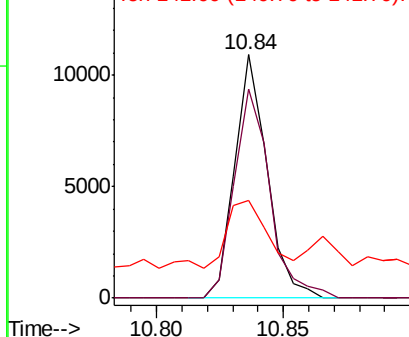
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	77.0	115.6	
141	33.4	29.9	44.9	

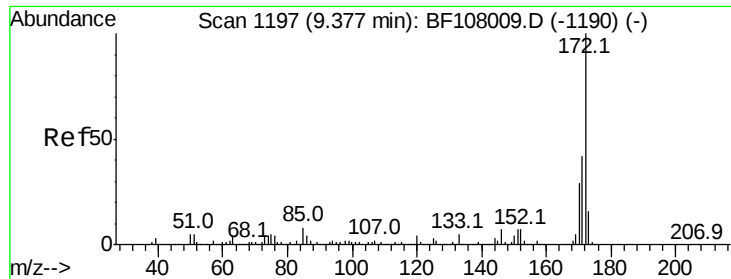
Abundance

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





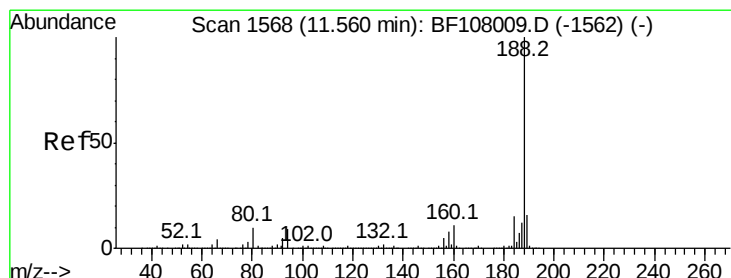
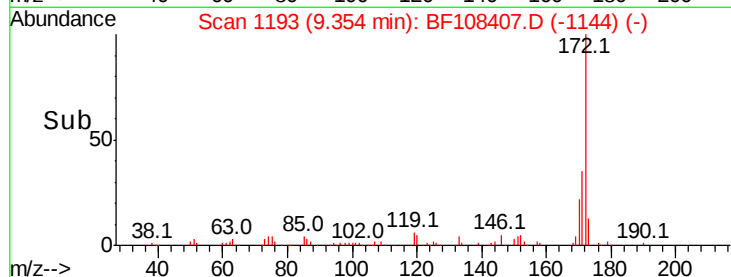
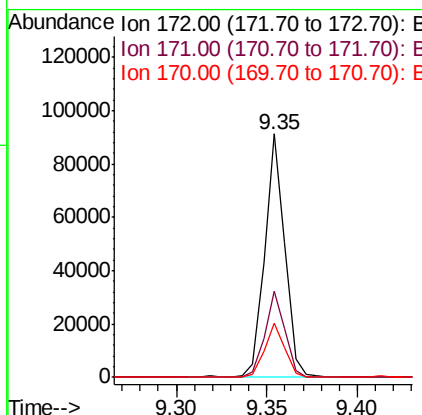
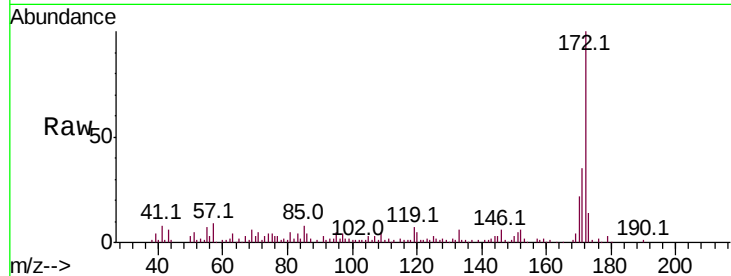
#44
2-Fluorobiphenyl
Concen: 4.885 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.3	19.6	29.4

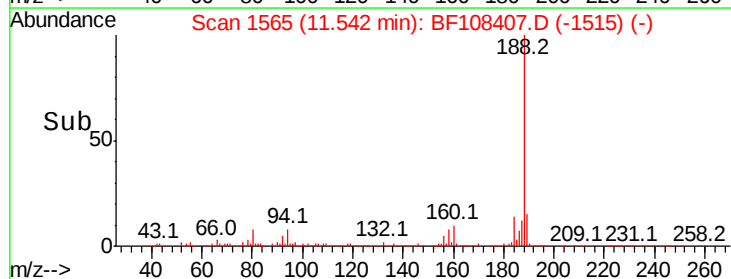
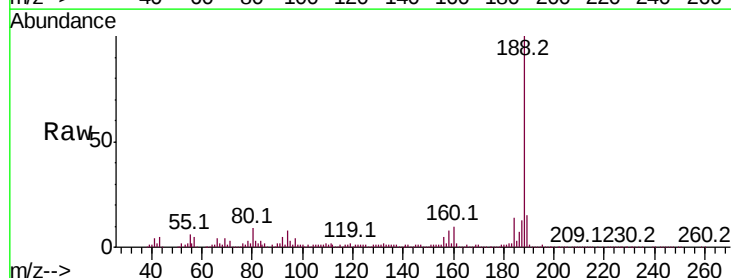
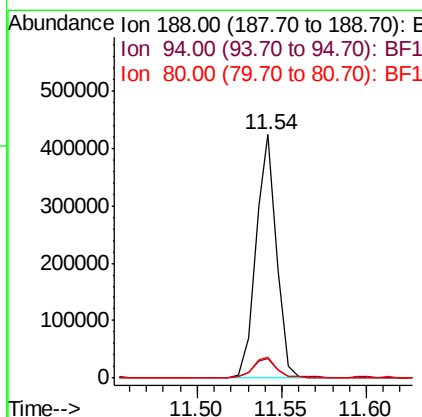
Manual Integrations
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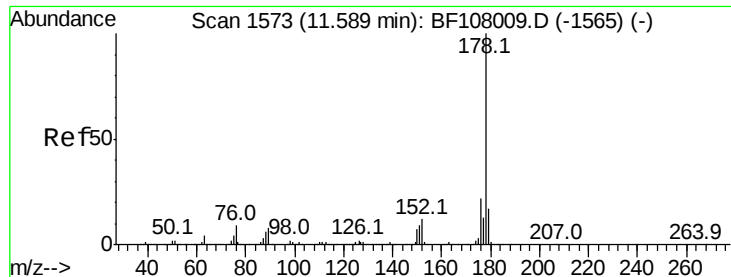
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.5	9.2	13.8#





#70

Phenanthrene

Concen: 5.174 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

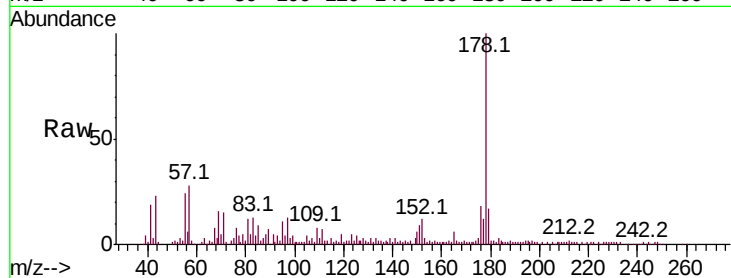
ClientSampleId :

EP1-240-UST-SLUDGE

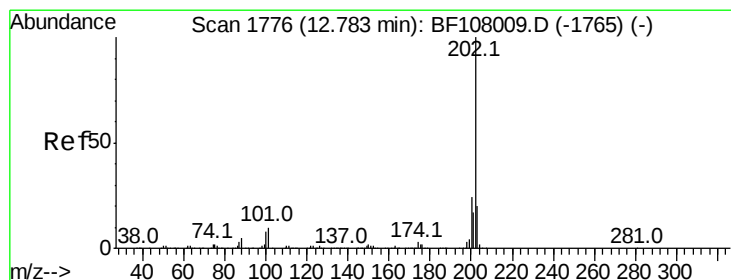
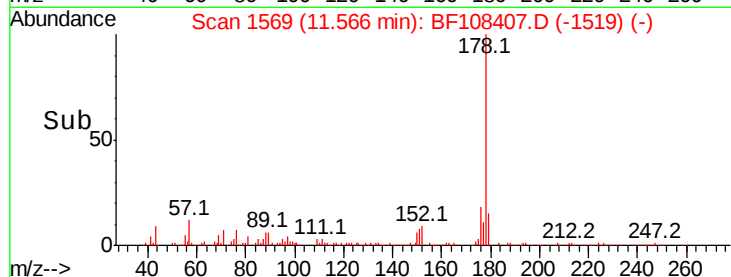
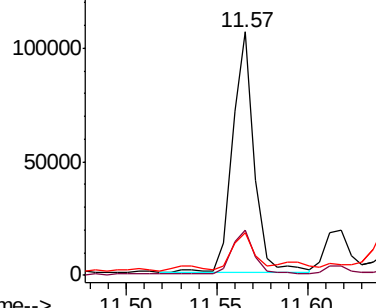
Tot Ion:	178	Resp:	86890
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	17.3	13.0	19.6

Manual Integrations
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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



#74

Fluoranthene

Concen: 2.264 ng

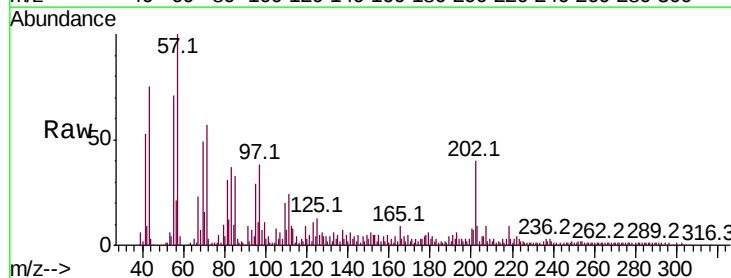
RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

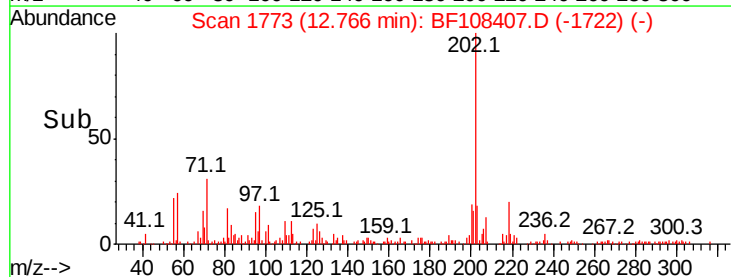
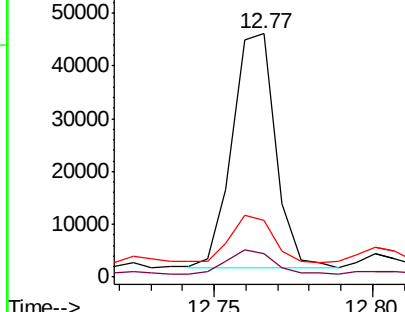
Lab File: BF108407.D

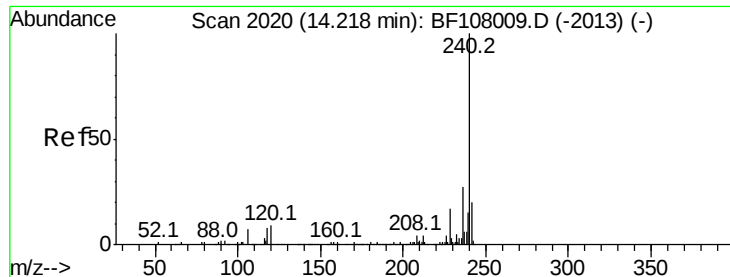
Acq: 23 Aug 2018 3:59

Tgt Ion:	202	Resp:	41492
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	23.4	0.0	38.1



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: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

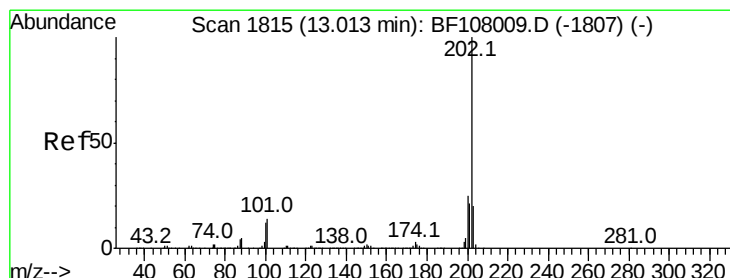
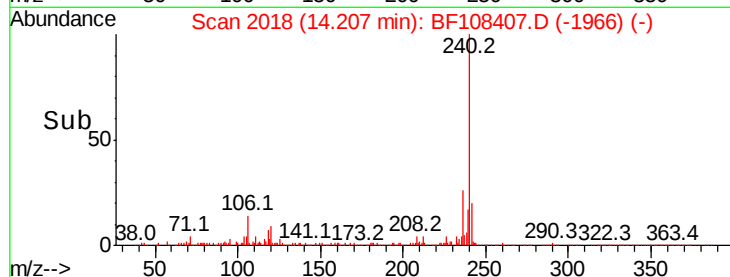
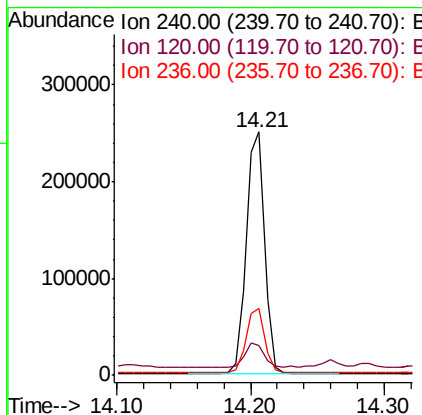
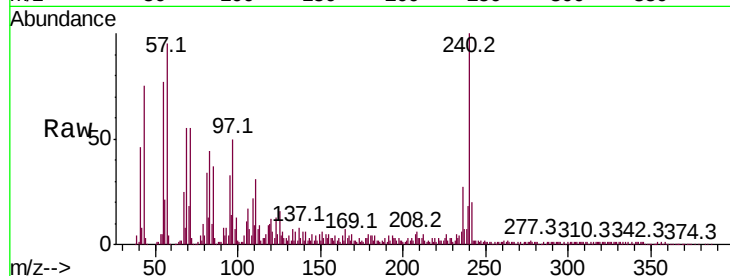
ClientSampleId :

EP1-240-UST-SLUDGE

Tot Ion:	240	Resp:	236802
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	27.4	20.7	31.1

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#77

Pyrene

Concen: 4.269 ng

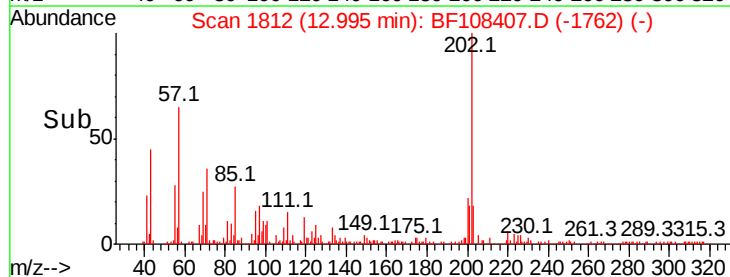
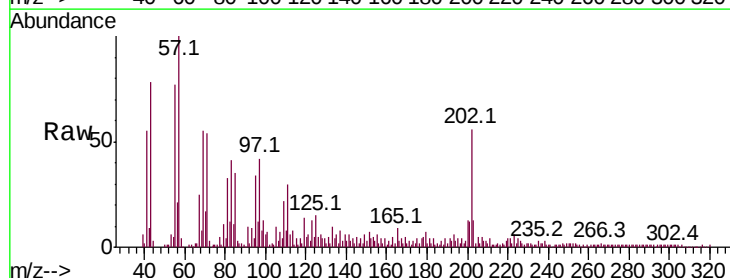
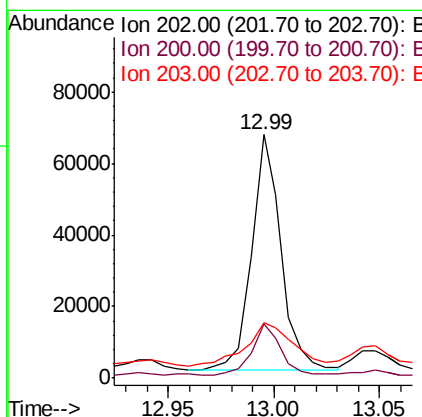
RT: 12.99 min Scan# 1812

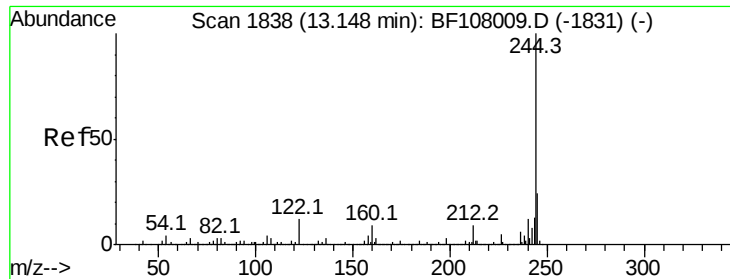
Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Tgt Ion:	202	Resp:	64001
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.4	26.2
203	23.0	14.3	21.5#





#78

Terphenyl-d14

Concen: 4.882 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Instrument :

BNA_F

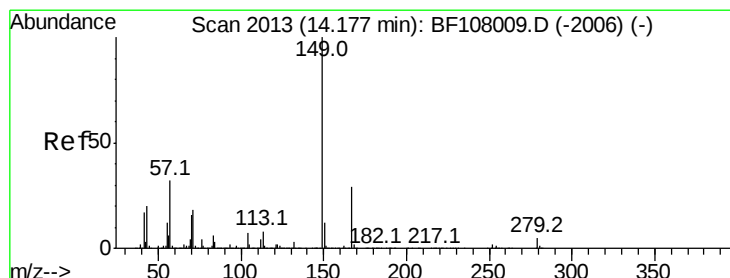
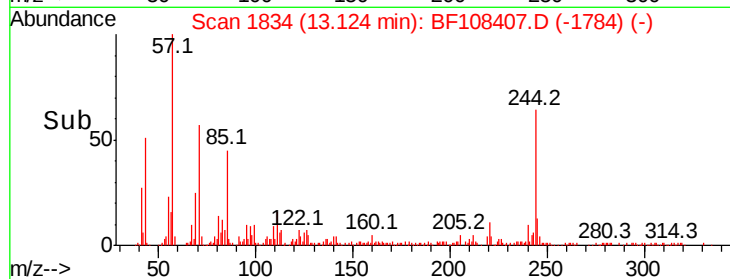
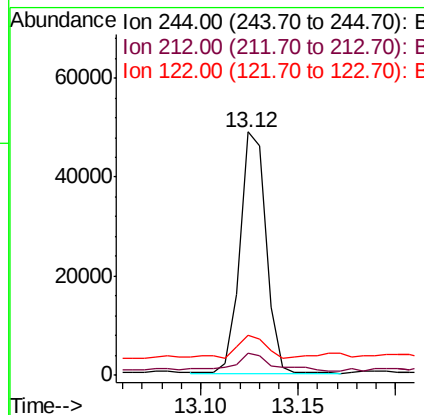
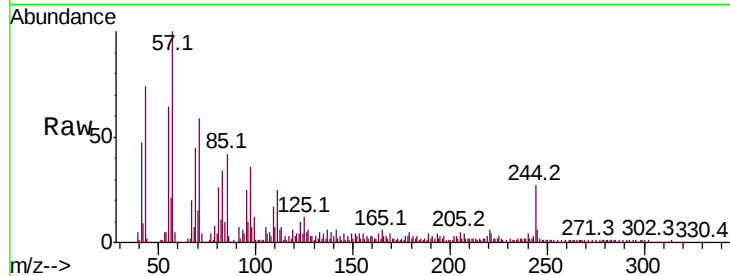
ClientSampleId :

EP1-240-UST-SLUDGE

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	5.4	8.0#
122	16.4	11.0	16.4

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.057 ng

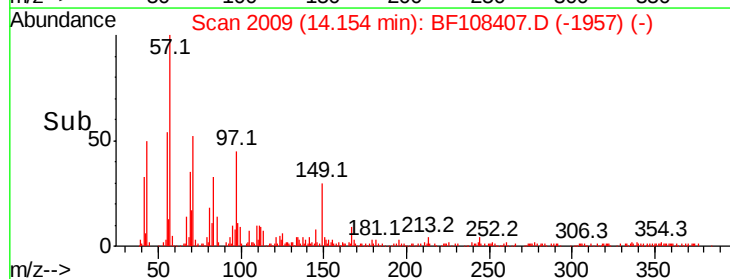
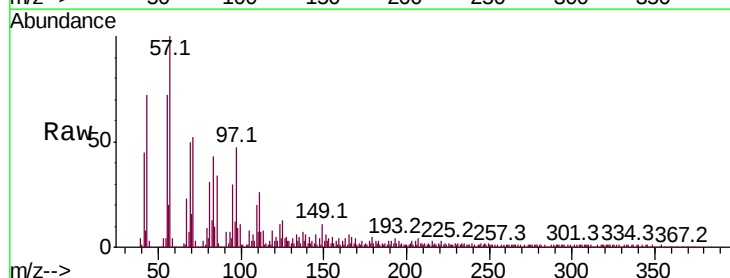
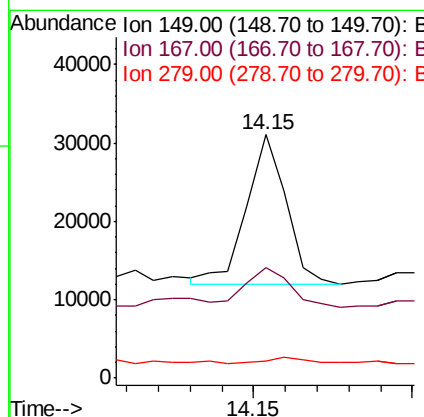
RT: 14.15 min Scan# 2009

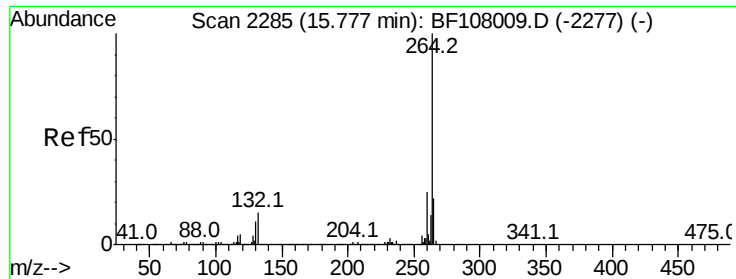
Delta R.T. 0.01 min

Lab File: BF108407.D

Acq: 23 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	45.1	21.3	31.9#
279	6.9	3.0	4.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF108407.D
Acq: 23 Aug 2018 3:59

Instrument :
BNA_F
ClientSampleId :
EP1-240-UST-SLUDGE

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.8	19.2	28.8	
265	22.9	17.5	26.3	

Manual Integrations
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Sohil
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