

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108436.D
 Acq On : 23 Aug 2018 22:21
 Operator : JU/SJ
 Sample : J4559-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Manual Integrations
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 8/24/2018 12:14:16 PM

Quant Time: Aug 24 02:20:35 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	130916	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	493875	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	204004	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	314303	20.00	ng	0.00
75) Chrysene-d12	14.21	240	227964	20.00	ng	0.01
86) Perylene-d12	15.79	264	195061	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	314332	43.47	ng	-0.01
7) Phenol-d6	6.61	99	430691	44.82	ng	-0.02
23) Nitrobenzene-d5	7.56	82	266258	30.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	78477	38.57	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	444288	34.96	ng	-0.01
78) Terphenyl-d14	13.14	244	291815	32.55	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	123335	8.679	ng	Qvalue # 97
51) Acenaphthene	10.08	154	24264	2.108	ng	96
57) Fluorene	10.60	166	33988	2.574	ng	# 92
70) Phenanthrene	11.57	178	170056	11.471	ng	97
71) Anthracene	11.62	178	50347m	3.314	ng	
74) Fluoranthene	12.77	202	283847	17.544	ng	94
77) Pyrene	13.00	202	286579	19.857	ng	96
80) Benzo(a)anthracene	14.20	228	121983	9.324	ng	# 91
82) Chrysene	14.24	228	112835	9.407	ng	# 92
83) Bis(2-ethylhexyl)phthalate	14.16	149	27277	3.515	ng	# 65
85) Indeno(1,2,3-cd)pyrene	17.41	276	50790	4.887	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	146581m	12.576	ng	
88) Benzo(k)fluoranthene	15.34	252	43197m	4.032	ng	
89) Benzo(a)pyrene	15.72	252	82983	7.951	ng	# 42
91) Benzo(a,h,i)perylene	17.89	276	48746	5.732	ng	# 92

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

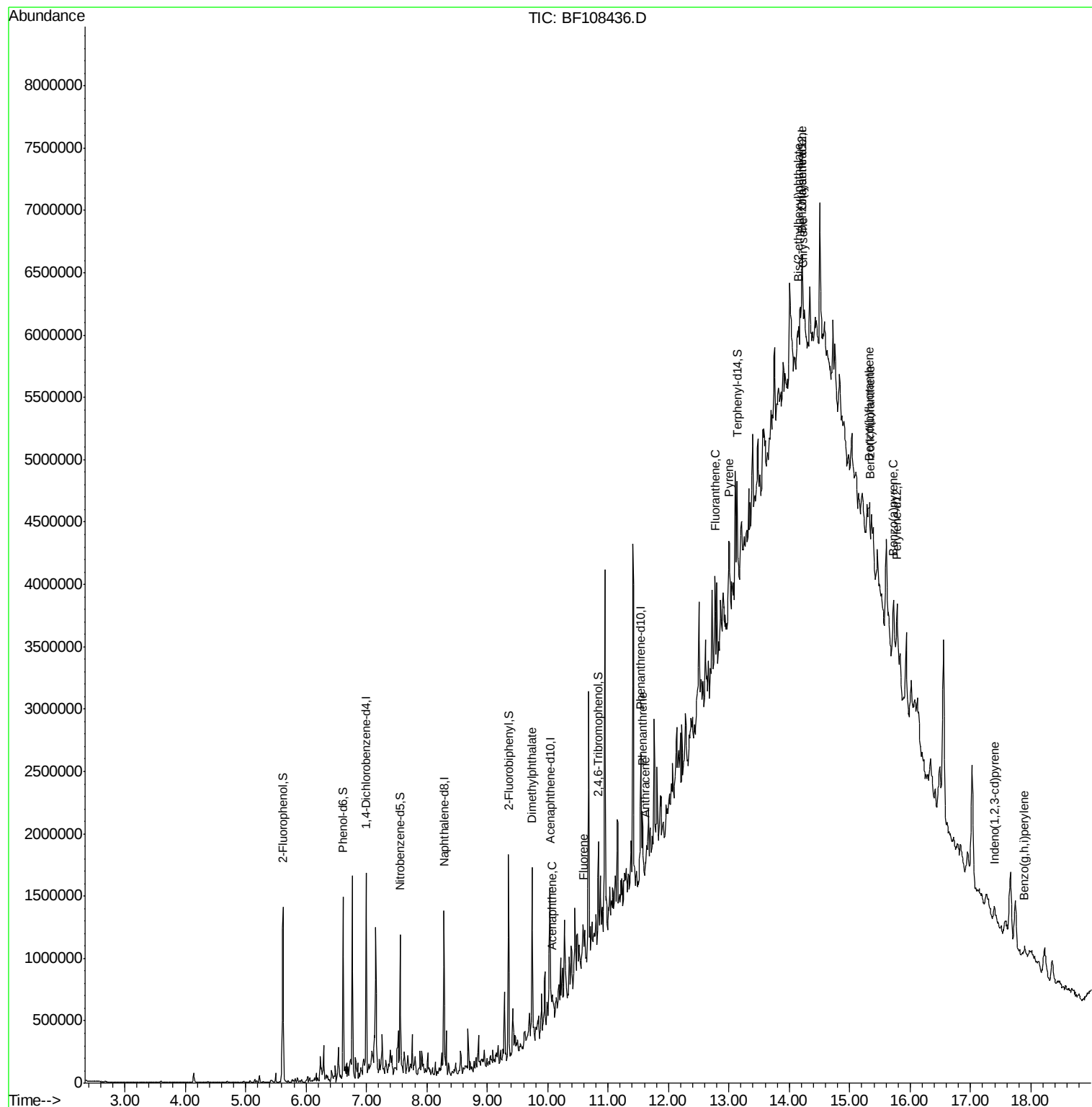
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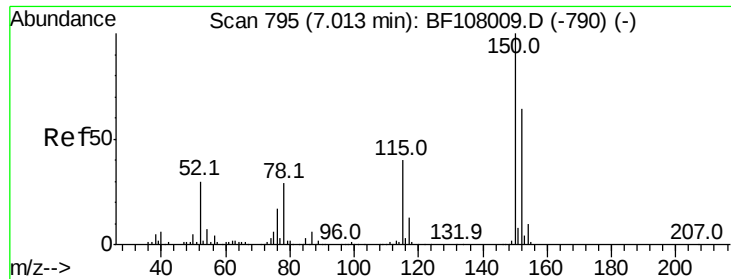
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#1

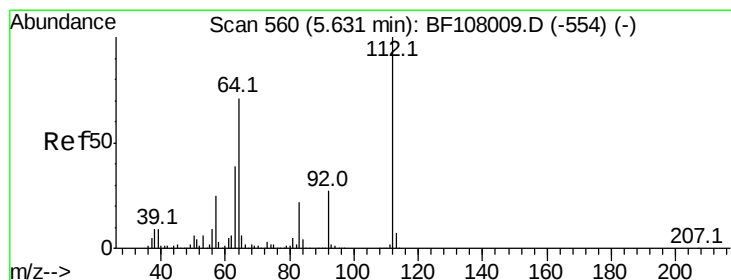
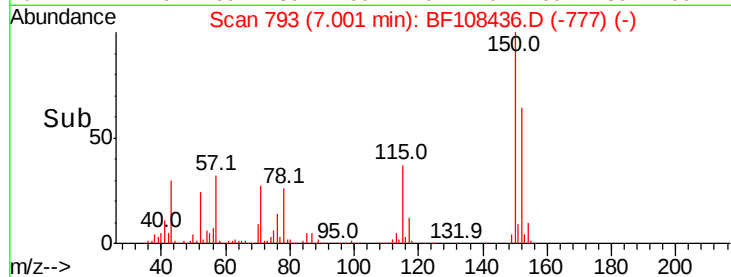
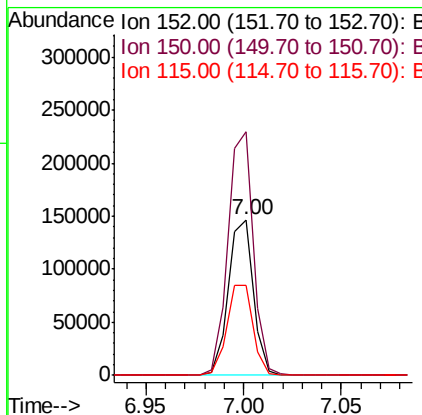
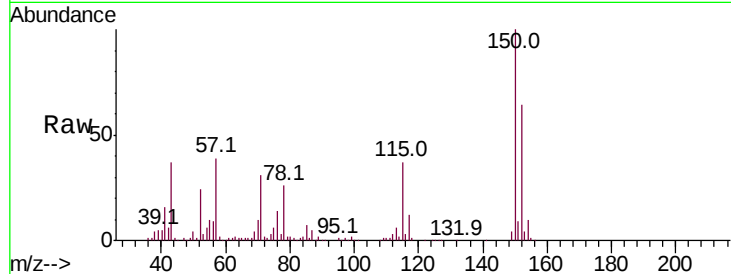
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	57.6	50.1	75.1

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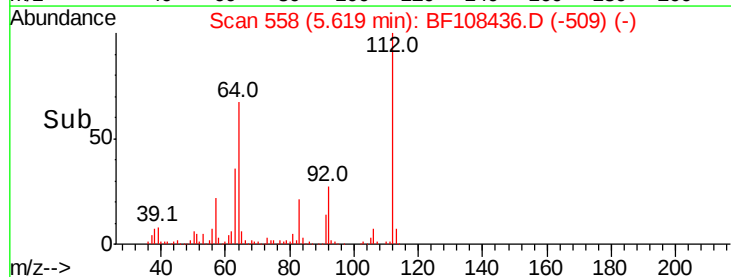
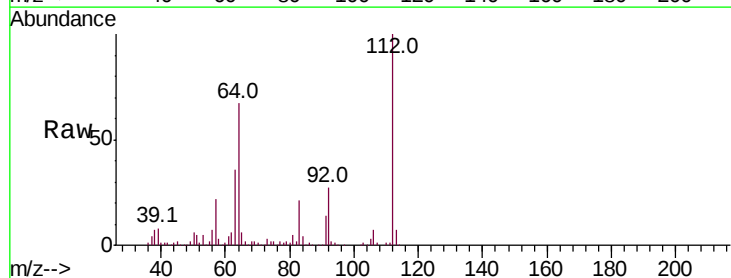
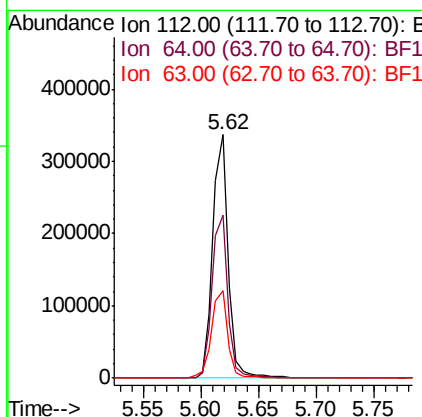
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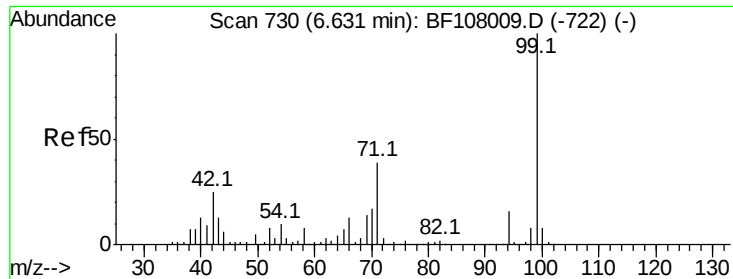


#5

2-Fluorophenol
Concen: 43.469 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	36.0	23.7	35.5#





#7

Phenol-d6

Concen: 44.821 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

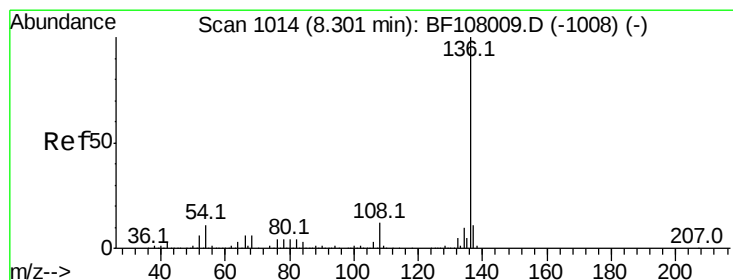
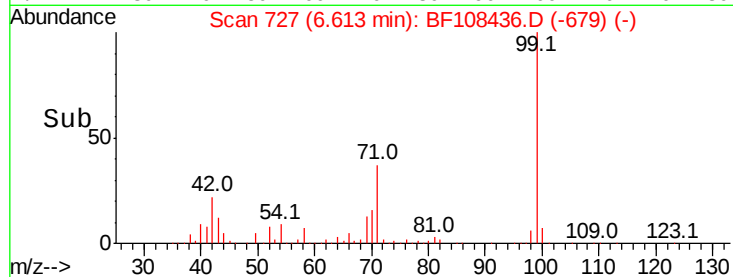
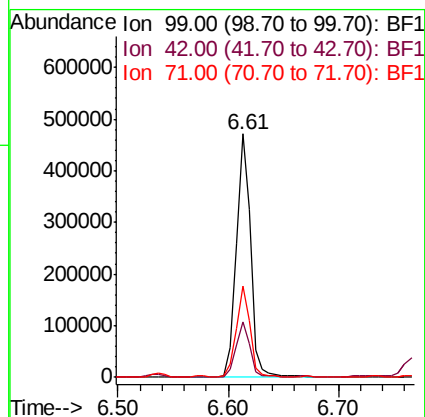
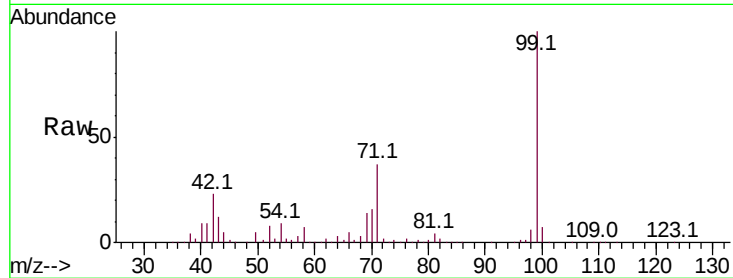
ClientSampleId :

RA-081718-SSW-115-050

Tot Ion:	99	Resp:	430691
Ion Ratio	Lower	Upper	
99	100		
42	22.7	14.5	21.7#
71	37.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

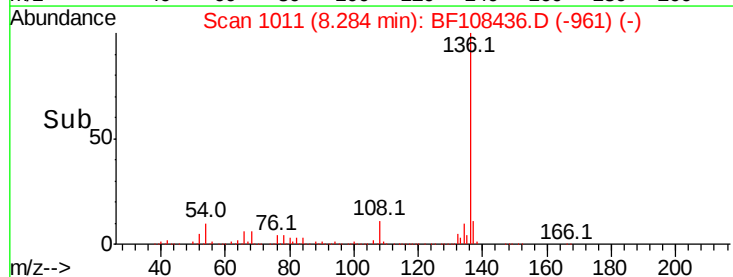
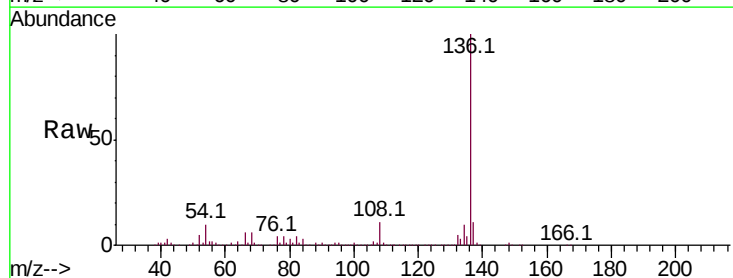
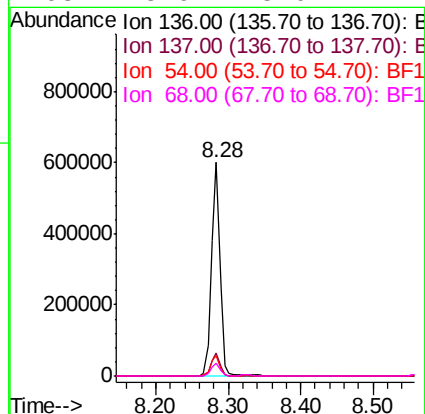
RT: 8.28 min Scan# 1011

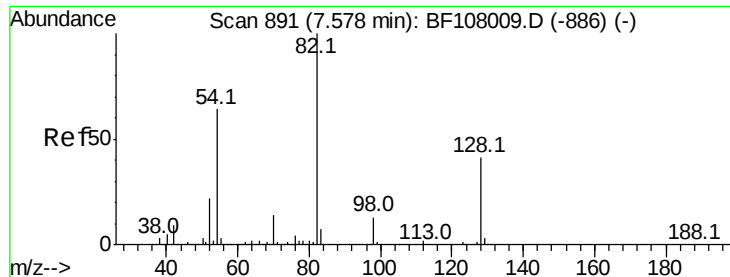
Delta R.T. -0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Tgt Ion:	136	Resp:	493875
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.8	6.6	9.8
68	5.9	5.0	7.4





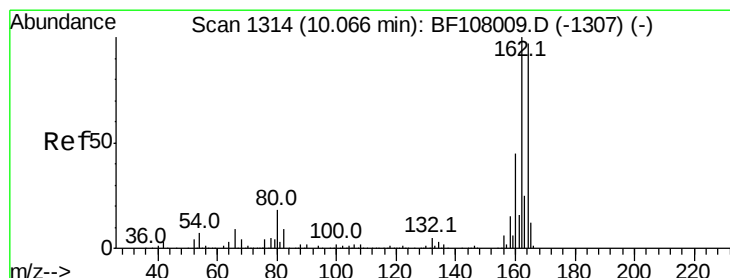
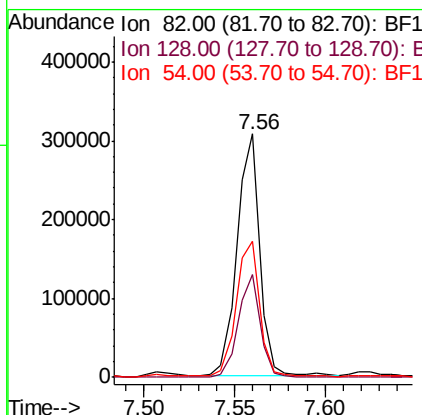
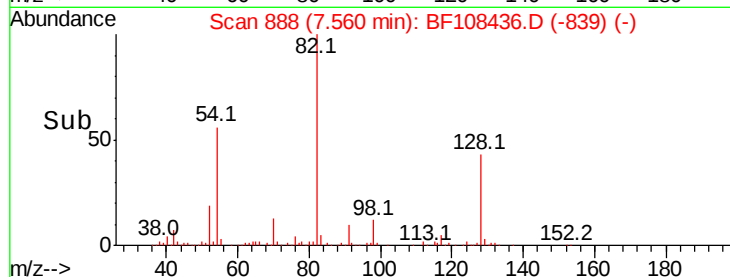
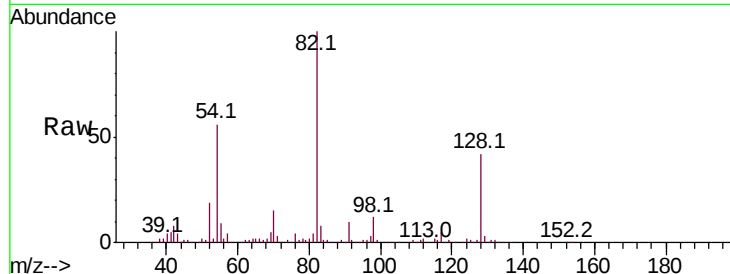
#23
Nitrobenzene-d5
Concen: 30.084 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tot Ion	Ratio	Resp	Lower	Upper
82	100	266258		
128	42.2	36.1	54.1	
54	55.7	41.4	62.2	

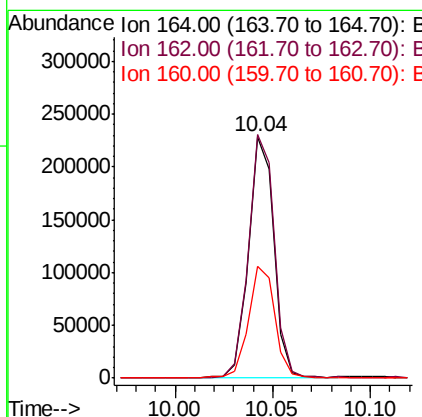
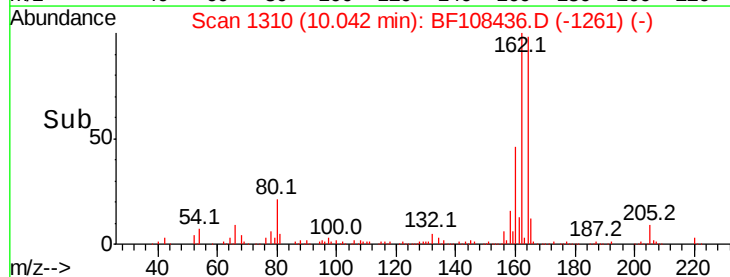
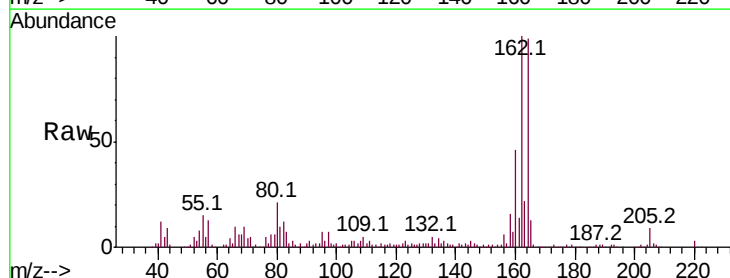
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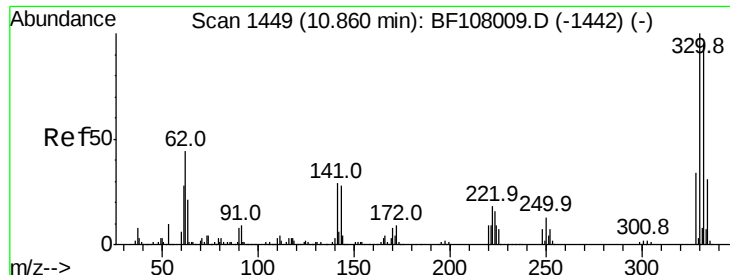
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204004		
162	100.8	86.1	129.1	
160	46.1	38.3	57.5	





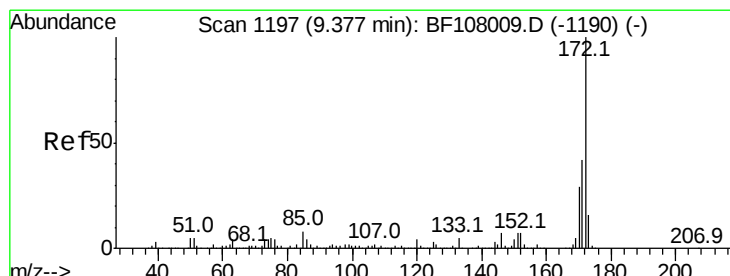
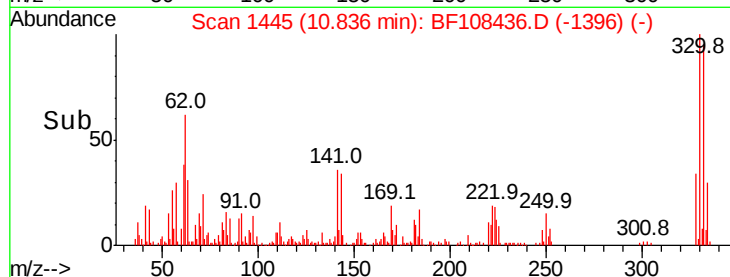
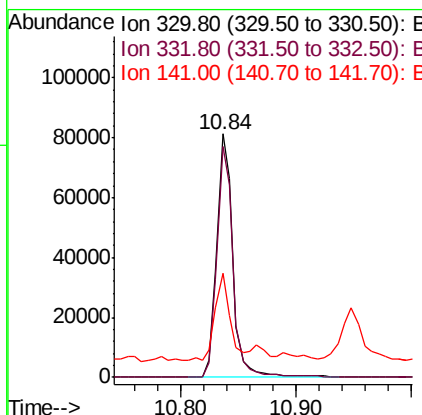
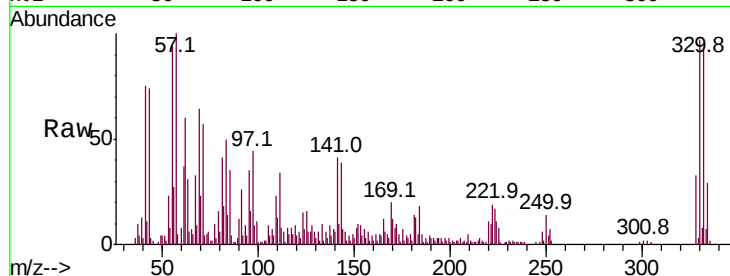
#41
 2,4,6-Tribromophenol
 Concen: 38.566 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	32.3	29.9	44.9

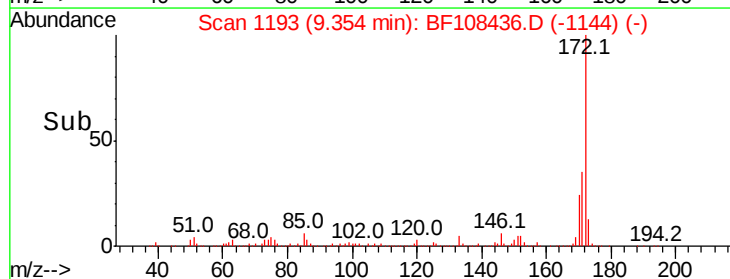
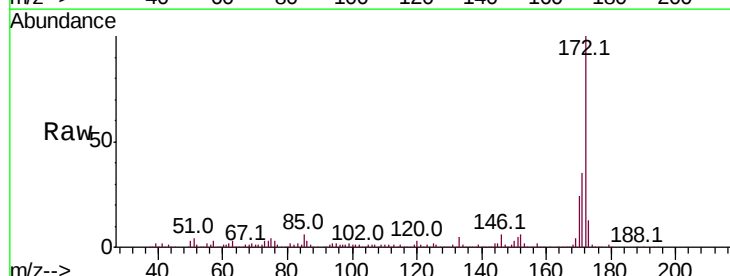
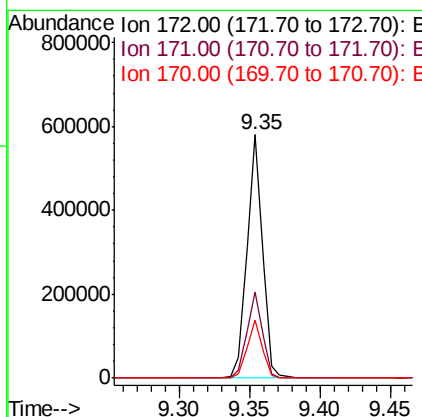
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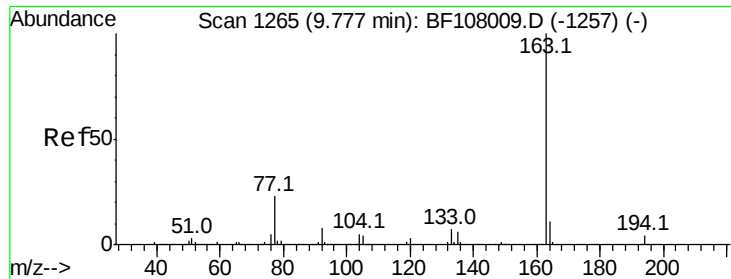
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#44
 2-Fluorobiphenyl
 Concen: 34.965 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.9	19.6	29.4





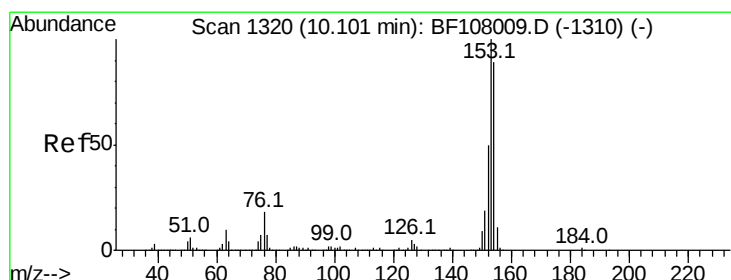
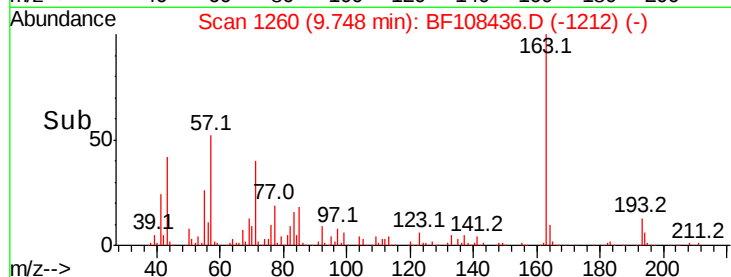
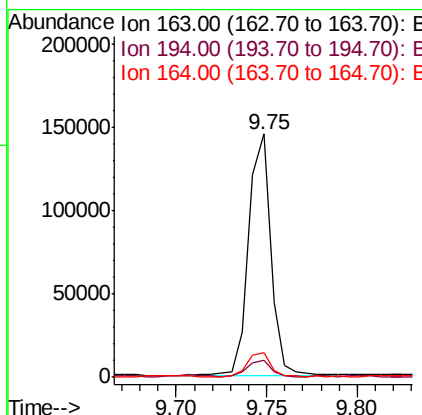
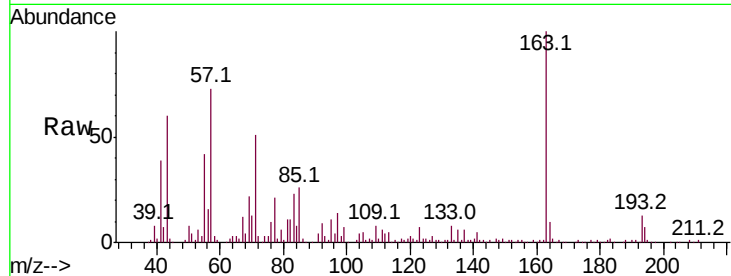
#49
Dimethylphthalate
Concen: 8.679 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tot Ion	Ratio	Resp	Lower	Upper
163	100	123335		
194	6.8	2.7	4.1#	
164	10.0	8.2	12.2	

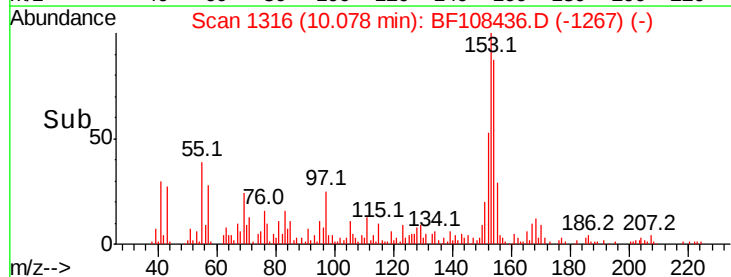
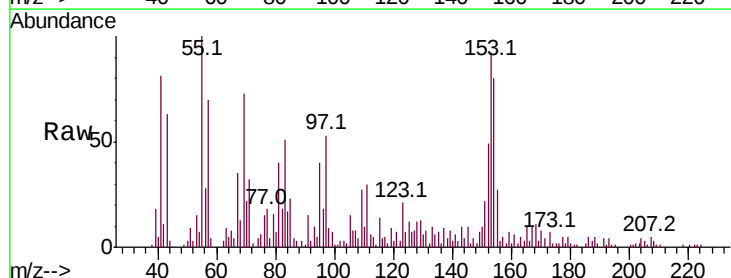
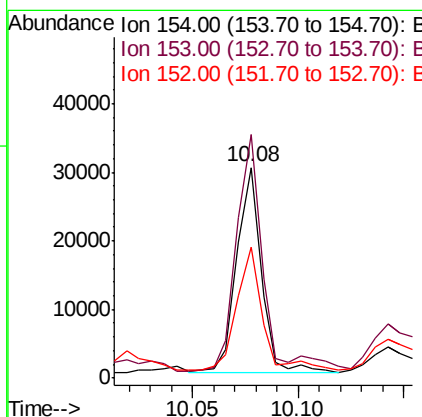
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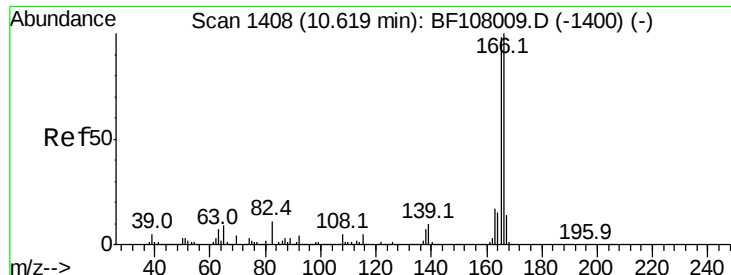
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#51
Acenaphthene
Concen: 2.108 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	24264		
153	115.4	91.2	136.8	
152	62.0	43.8	65.8	





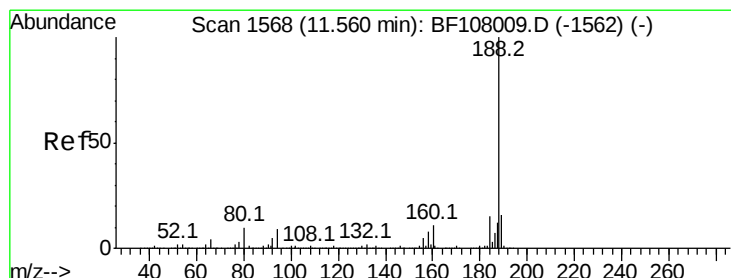
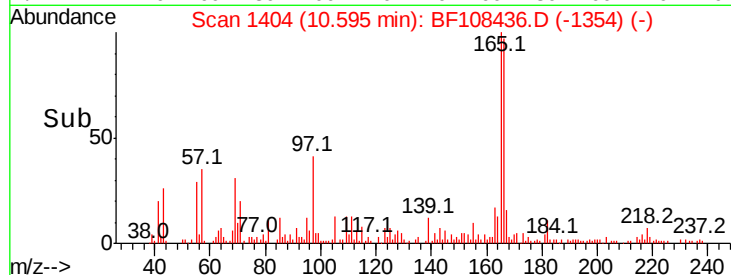
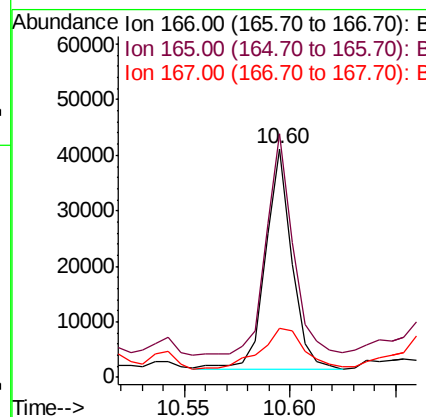
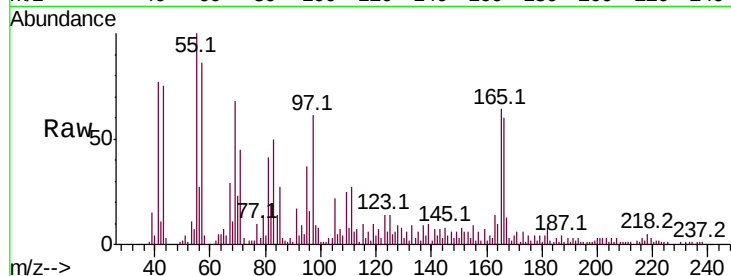
#57
Fluorene
 Concen: 2.574 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Instrument :
 BNA_F
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 RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.4	79.8	119.8
167	21.2	10.6	16.0

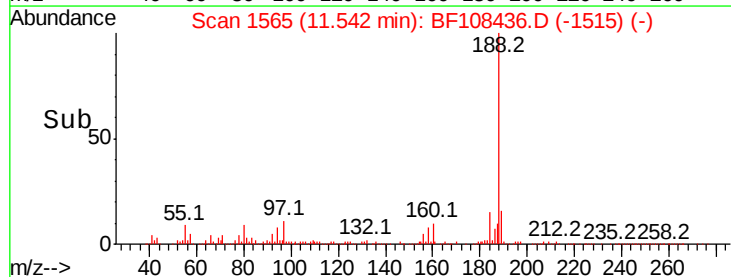
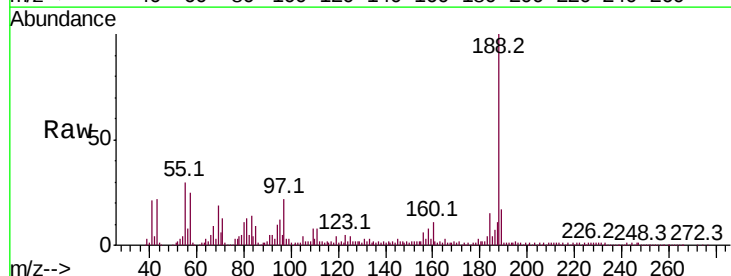
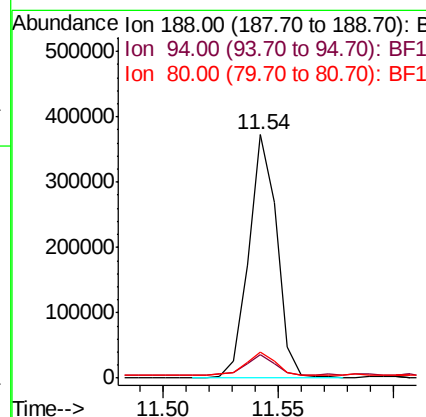
Manual Integrations
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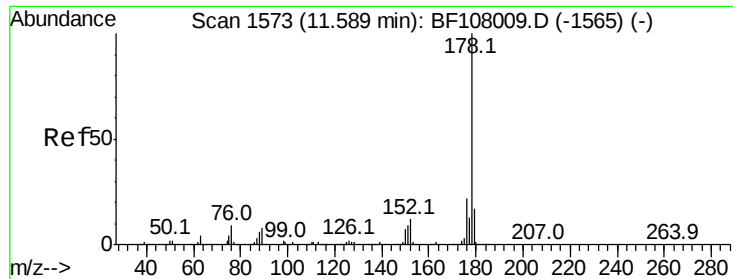
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.7	9.2	13.8





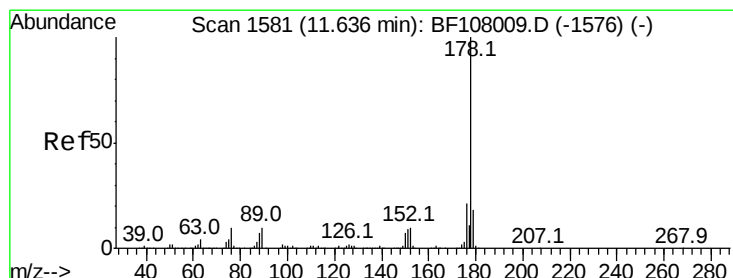
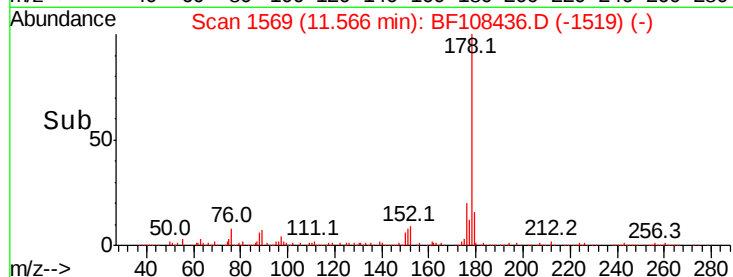
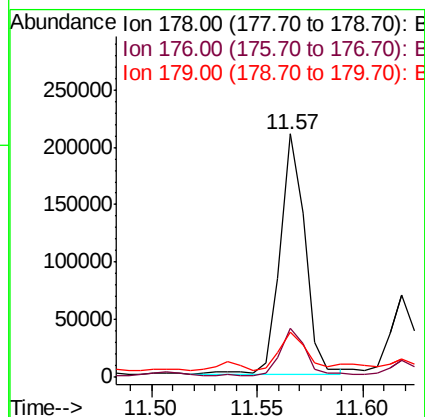
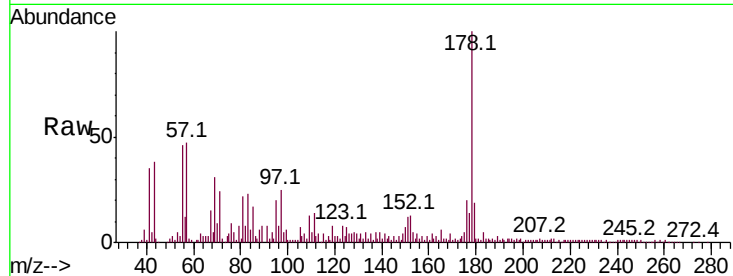
#70
Phenanthrene
Concen: 11.471 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	18.7	13.0	19.6

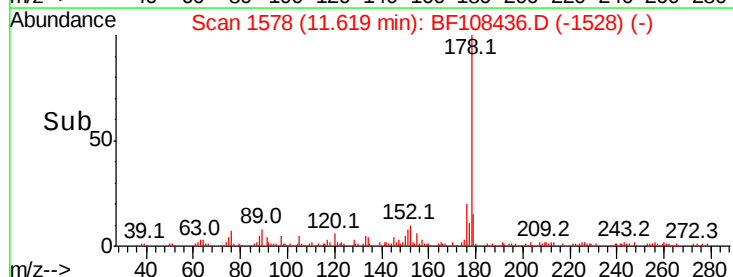
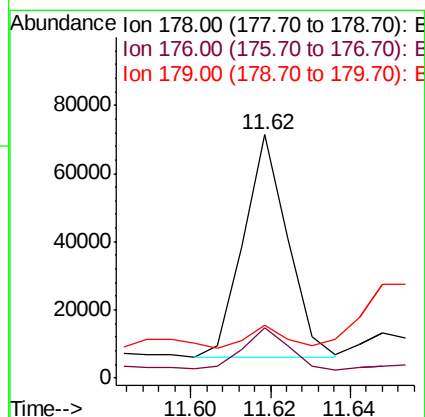
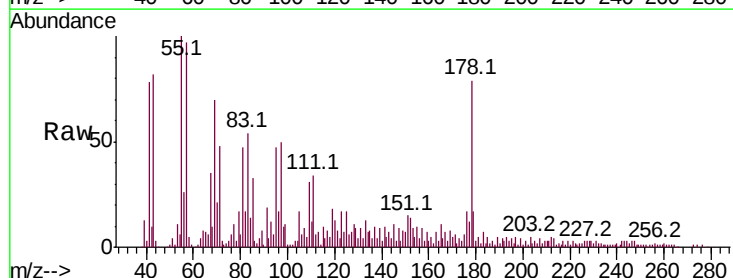
Manual Integrations
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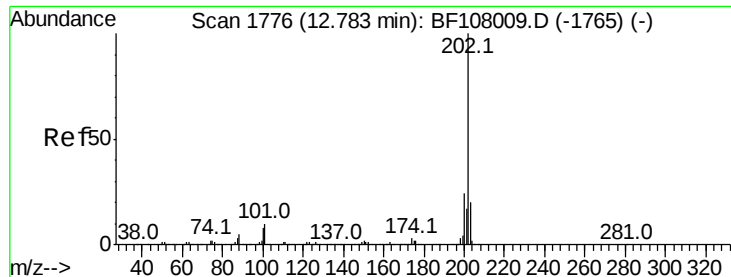
Sohil
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#71
Anthracene
Concen: 3.314 ng m
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.4	23.2
179	22.0	12.6	19.0#





#74

Fluoranthene

Concen: 17.544 ng

RT: 12.77 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

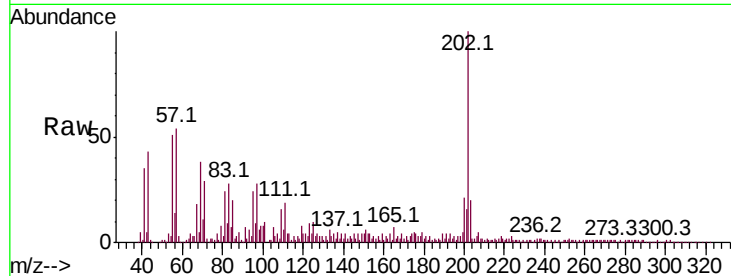
ClientSampleId :

RA-081718-SSW-115-050

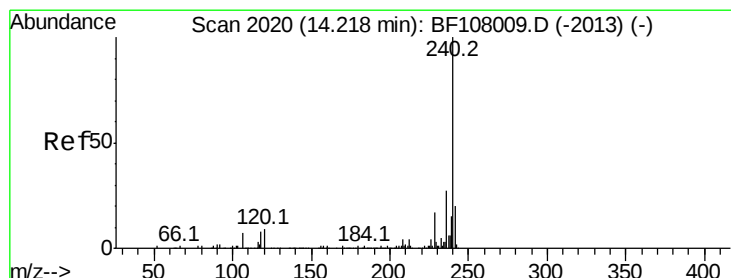
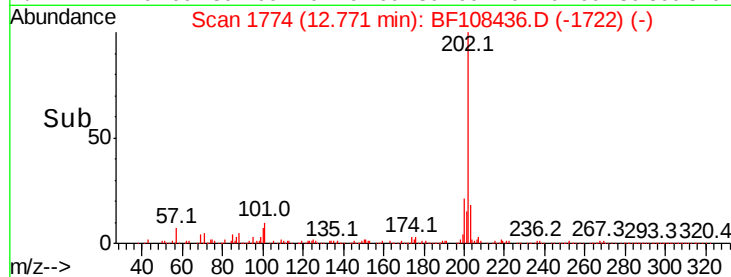
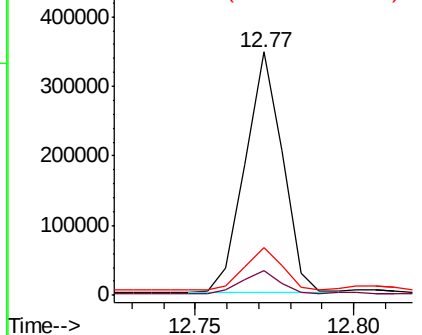
Tot Ion	Ratio	Resp	Lower	Upper
202	100	283847		
101	9.9	0.0	34.1	
203	19.7	0.0	38.1	

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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

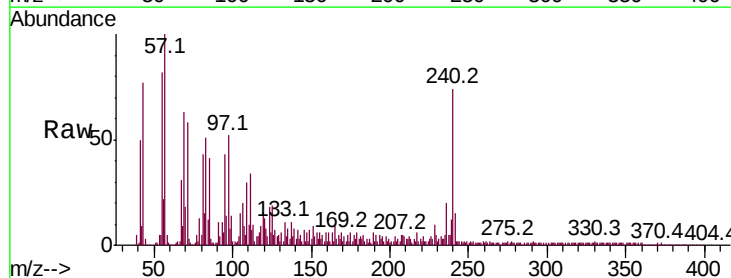
RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

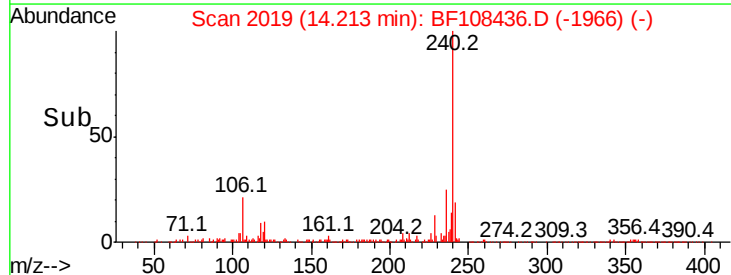
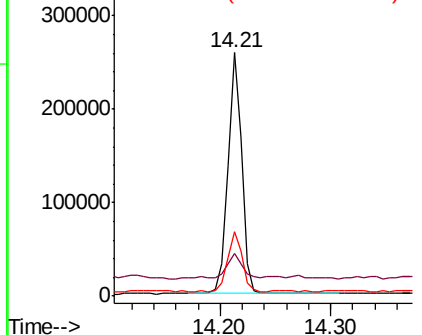
Lab File: BF108436.D

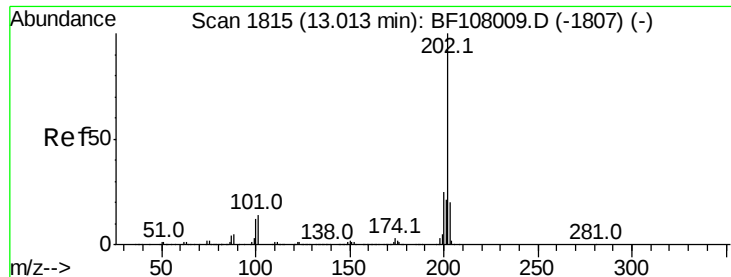
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	227964		
120	17.5	9.5	14.3#	
236	26.6	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: 19.857 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

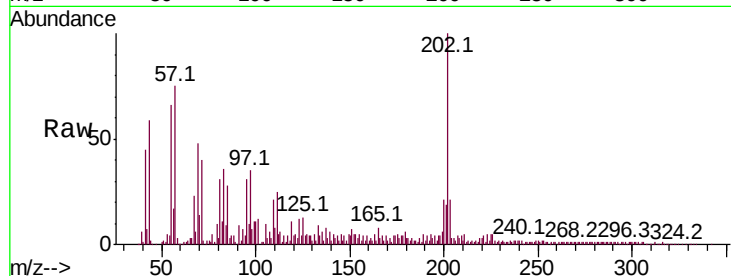
ClientSampleId :

RA-081718-SSW-115-050

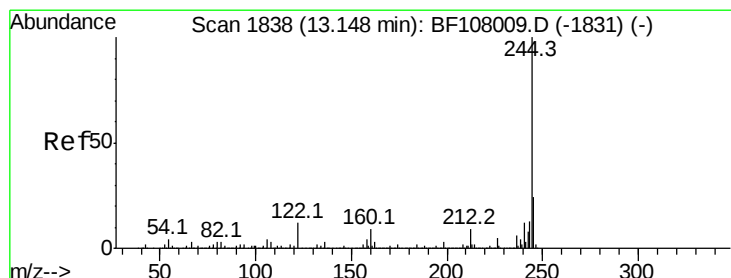
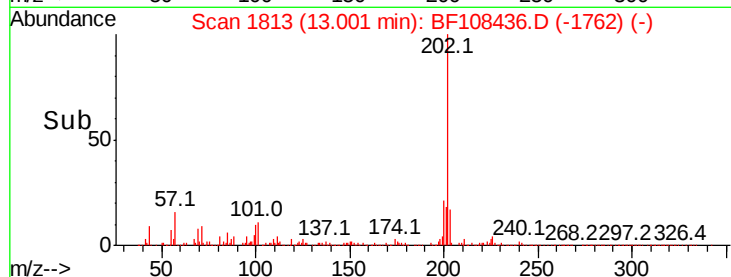
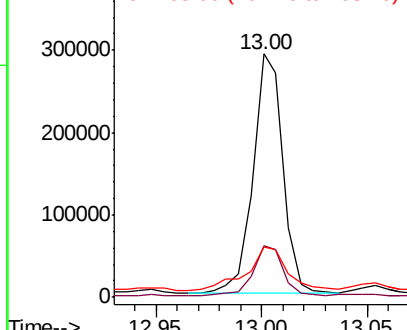
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.4	26.2	
203	20.8	14.3	21.5	

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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: 32.547 ng

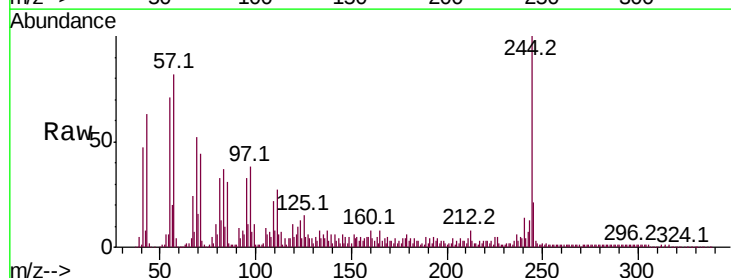
RT: 13.14 min Scan# 1836

Delta R.T. 0.01 min

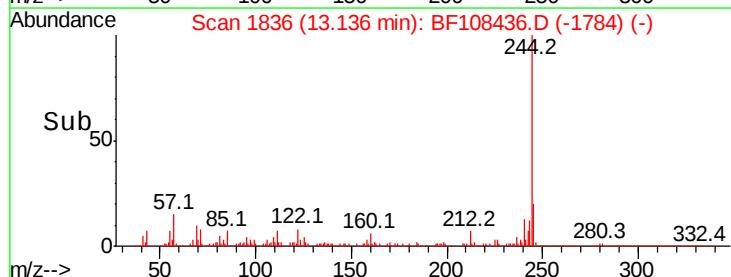
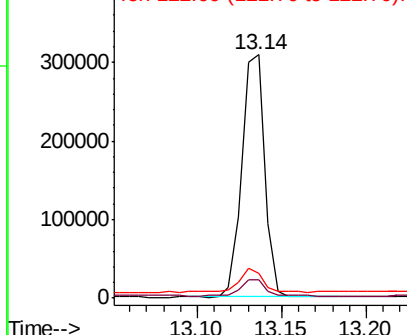
Lab File: BF108436.D

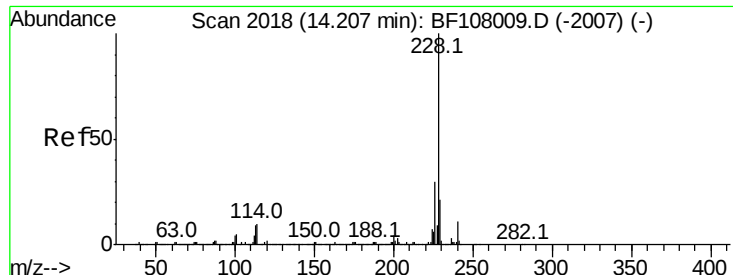
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.7	5.4	8.0	
122	10.3	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





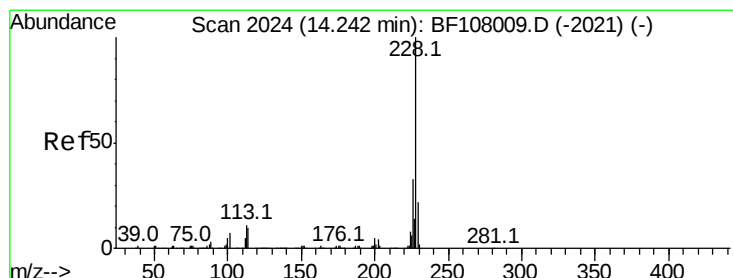
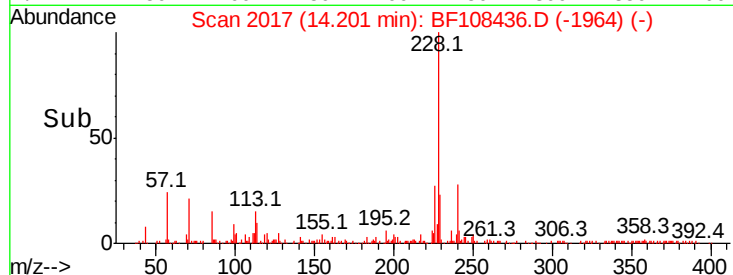
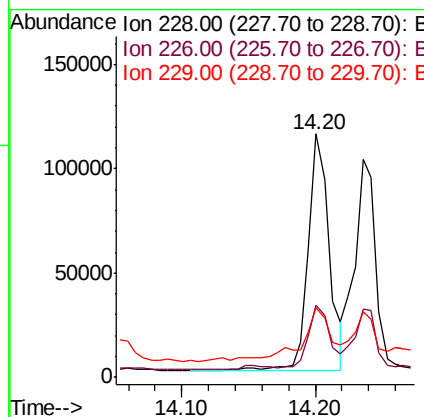
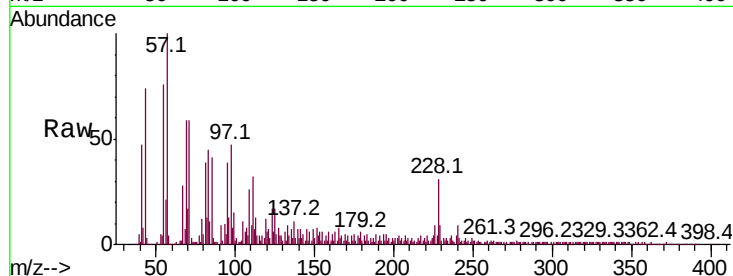
#80
Benzo(a)anthracene
Concen: 9.324 ng
RT: 14.20 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	28.4	15.8	23.6

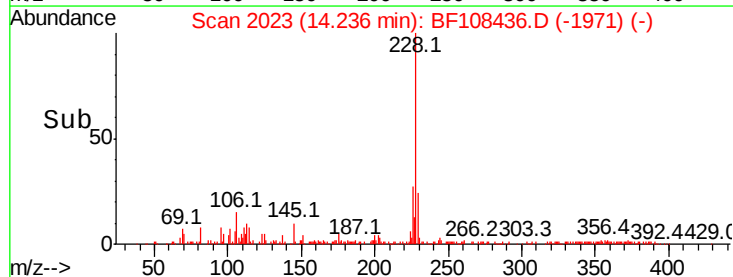
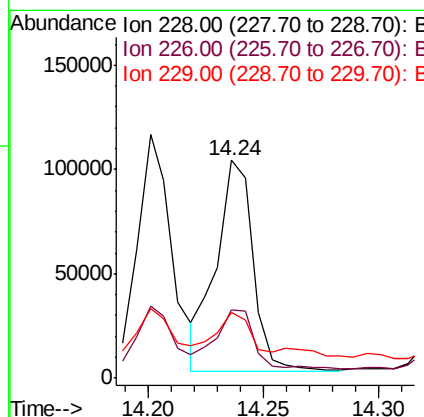
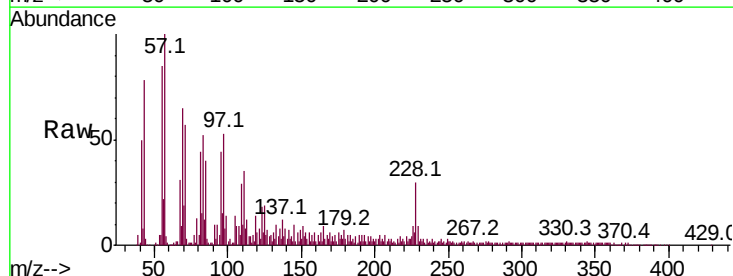
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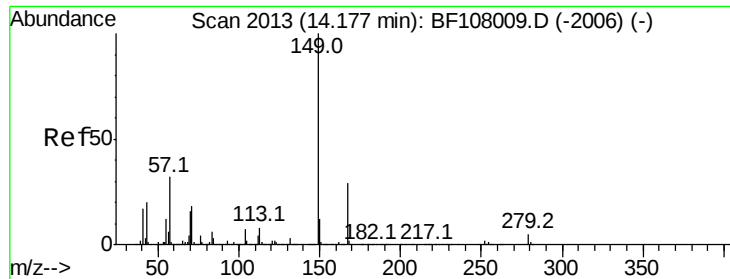
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#82
Chrysene
Concen: 9.407 ng
RT: 14.24 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	30.2	16.2	24.4





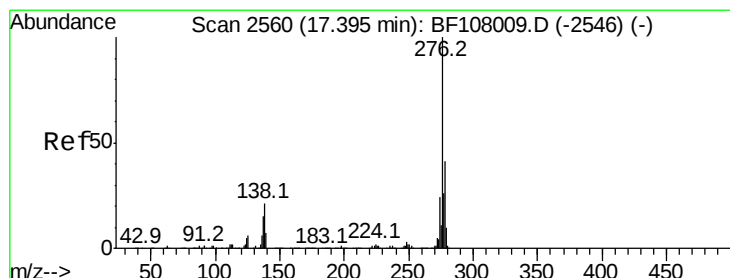
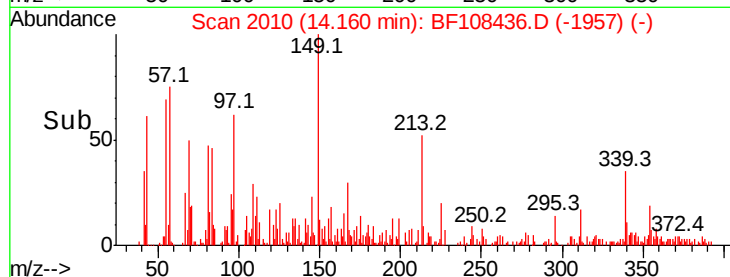
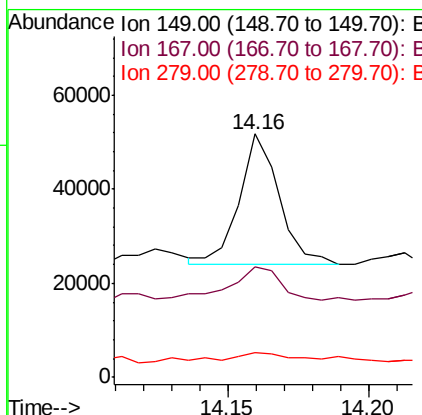
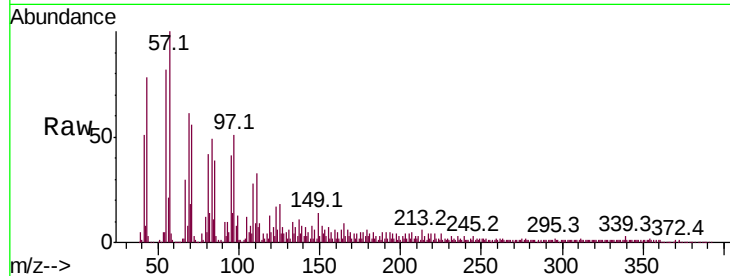
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.515 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. 0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
149	100		
167	45.6	21.3	31.9#
279	10.1	3.0	4.4#

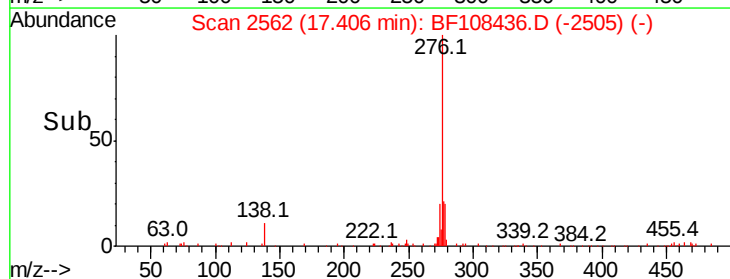
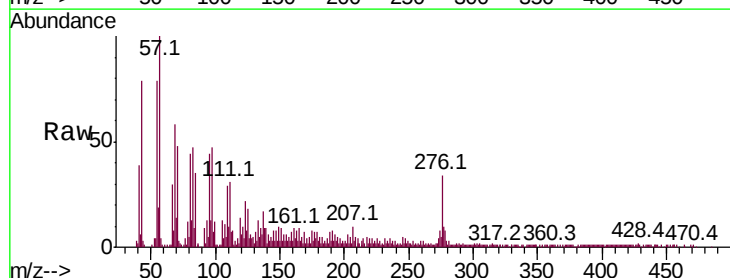
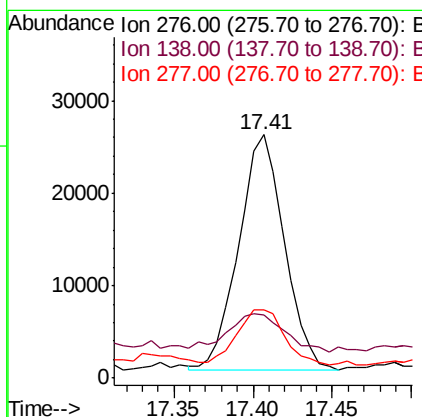
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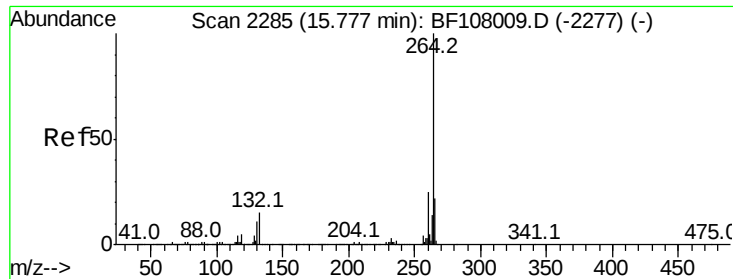
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.887 ng
 RT: 17.41 min Scan# 2562
 Delta R.T. 0.04 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	25.0	37.6#
277	24.3	20.1	30.1





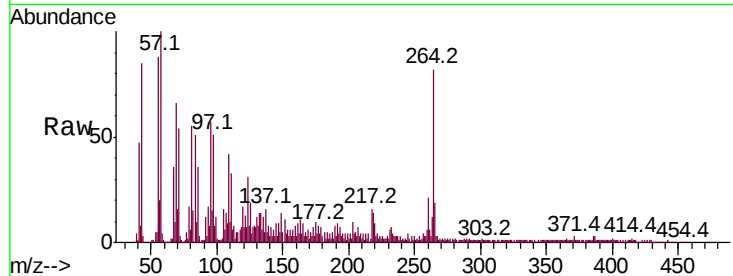
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2287
Delta R.T. 0.03 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.2	19.2	28.8	
265	23.3	17.5	26.3	

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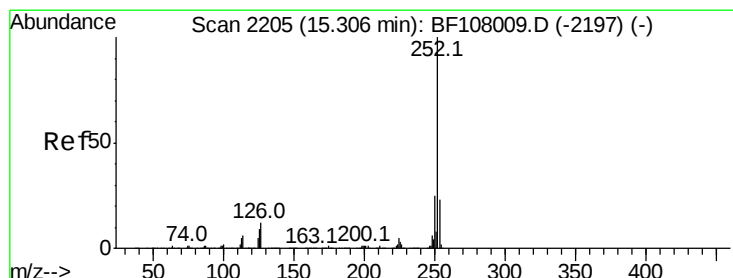
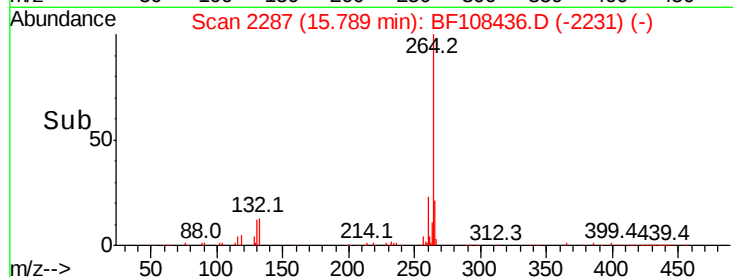
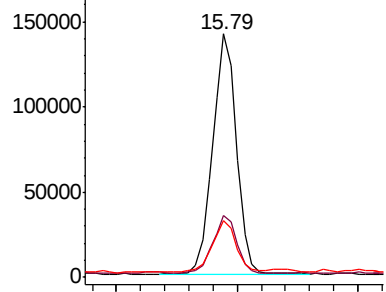


Abundance

Ion 264.00 (263.70 to 264.70): E

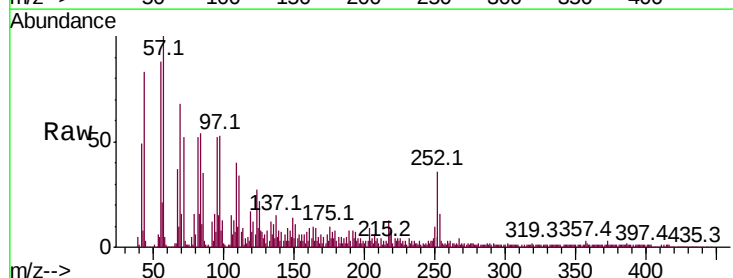
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 12.576 ng m
RT: 15.32 min Scan# 2207
Delta R.T. 0.03 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	43.6	17.0	25.6#	
125	62.3	9.0	13.6#	

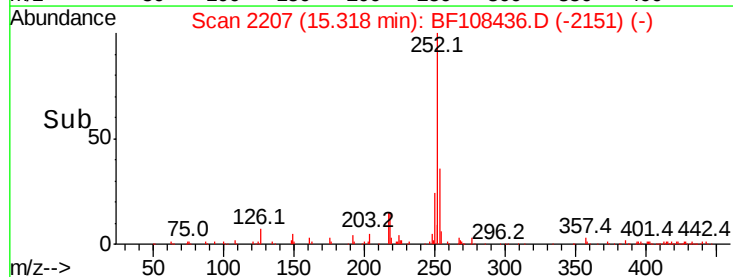
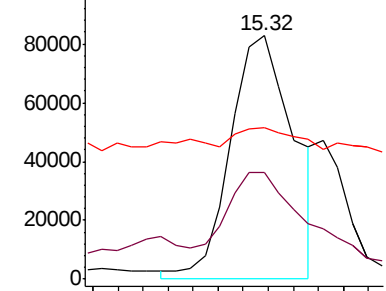


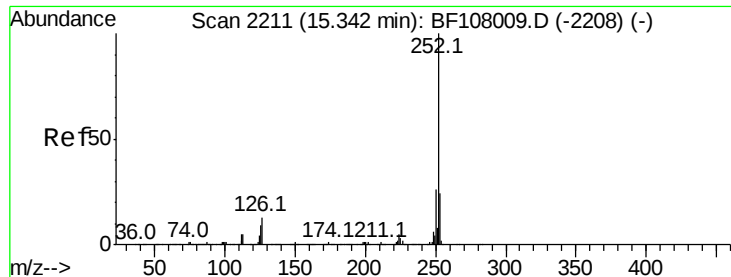
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 4.032 ng m

RT: 15.34 min Scan# 2211

Delta R.T. 0.02 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

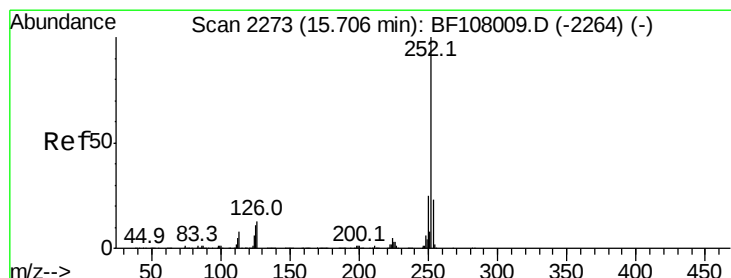
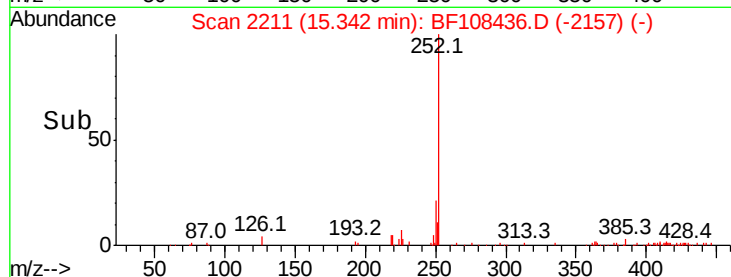
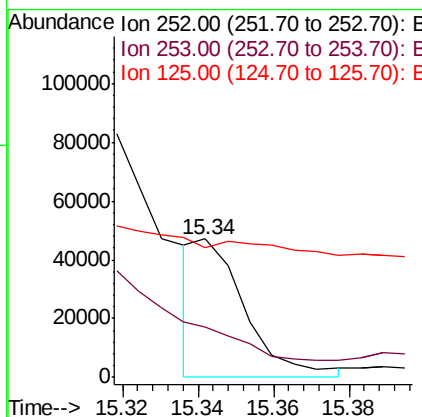
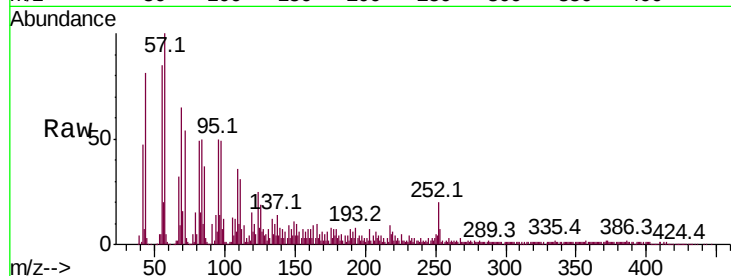
ClientSampleId :

RA-081718-SSW-115-050

Tot Ion:252	Resp:	43197
Ion Ratio	Lower	Upper
252	100	
253	36.0	17.9 26.9#
125	93.2	10.2 15.2#

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#89

Benzo(a)pyrene

Concen: 7.951 ng

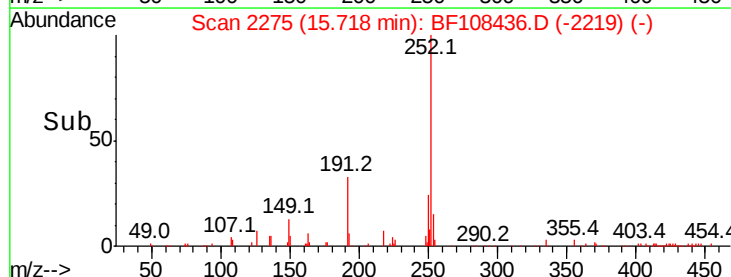
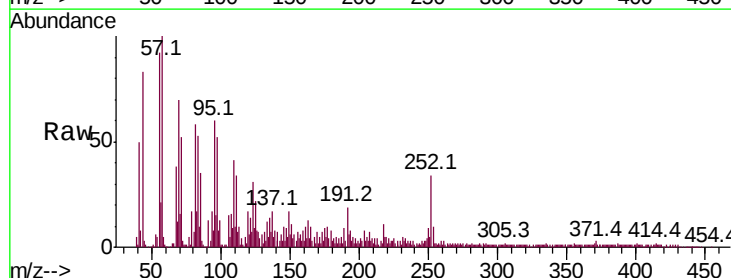
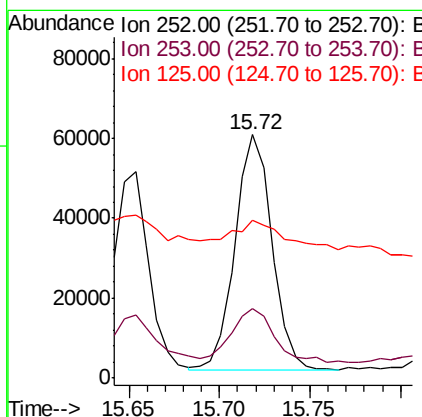
RT: 15.72 min Scan# 2275

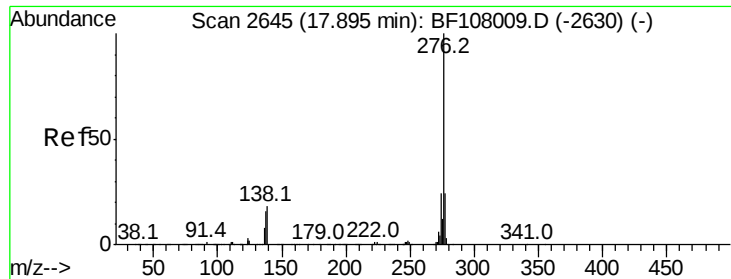
Delta R.T. 0.03 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Tgt Ion:252	Resp:	82983
Ion Ratio	Lower	Upper
252	100	
253	28.4	17.1 25.7#
125	64.7	9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 5.732 ng
 RT: 17.89 min Scan# 2645
 Delta R.T. 0.03 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	30.4	21.8	32.8

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