

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111434.D
 Acq On : 14 Dec 2018 22:20
 Operator : JU/SJ
 Sample : J6371-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB07-1-2

Manual Integrations
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Quant Time: Dec 14 22:52:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	185037	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	719268	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285630	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	426202	20.00	ng	0.00
76) Chrysene-d12	13.95	240	342761	20.00	ng	0.00
87) Perylene-d12	15.39	264	247414	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	209446	18.84	ng	0.00
7) Phenol-d6	6.43	99	705989	47.73	ng	0.00
23) Nitrobenzene-d5	7.35	82	462731	38.31	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	23198	9.07	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	789858	42.71	ng	0.00
79) Terphenyl-d14	12.90	244	556828	38.15	ng	0.00
Target Compounds						
10) Phenol	6.45	94	50027	3.036	ng	93
50) Dimethylphthalate	9.55	163	60925	2.962	ng	# 99
71) Phenanthrene	11.34	178	349463	15.913	ng	93
72) Anthracene	11.39	178	95286	4.243	ng	93
75) Fluoranthene	12.53	202	750724	34.942	ng	97
78) Pyrene	12.76	202	697582	28.866	ng	95
81) Benzo(a)anthracene	13.94	228	365142	19.592	ng	99
83) Chrysene	13.97	228	338119	17.222	ng	96
86) Indeno(1,2,3-cd)pyrene	16.81	276	129750m	9.157	ng	
88) Benzo(b)fluoranthene	14.98	252	367561m	25.482	ng	
89) Benzo(k)fluoranthene	15.00	252	94756m	6.875	ng	
90) Benzo(a)pyrene	15.33	252	235204	18.082	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	31597	3.079	ng	# 85
92) Benzo(a,h,i)perylene	17.23	276	131013	13.008	ng	93

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

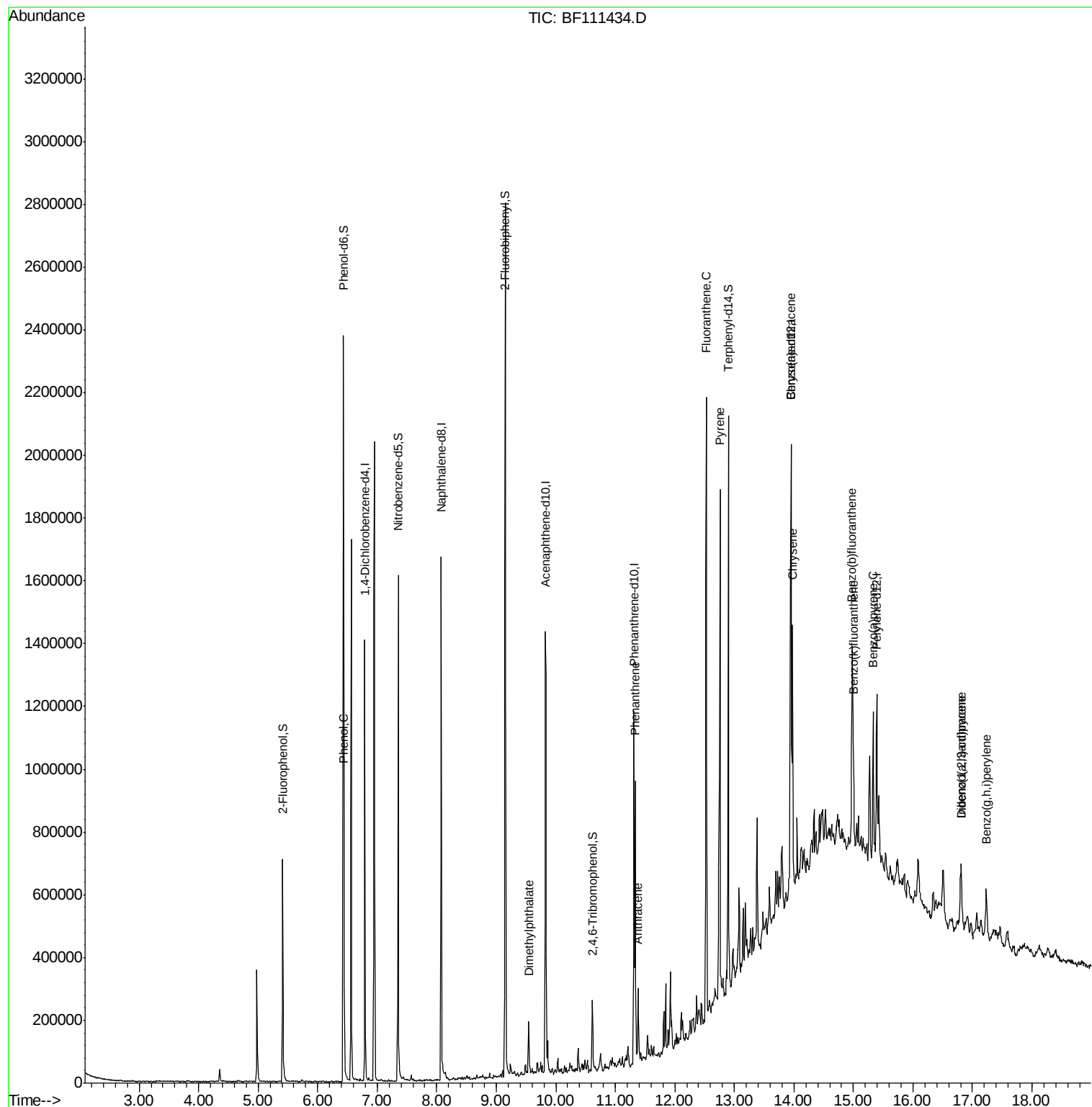
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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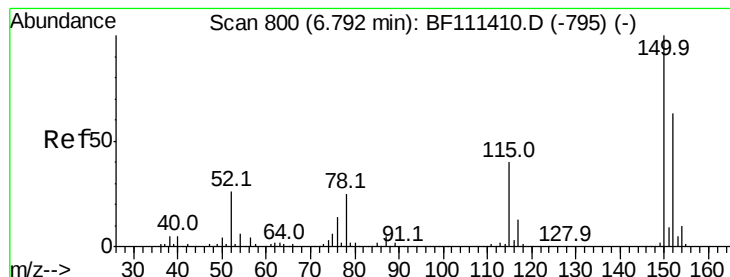
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
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QLast Update : Fri Dec 14 13:26:17 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

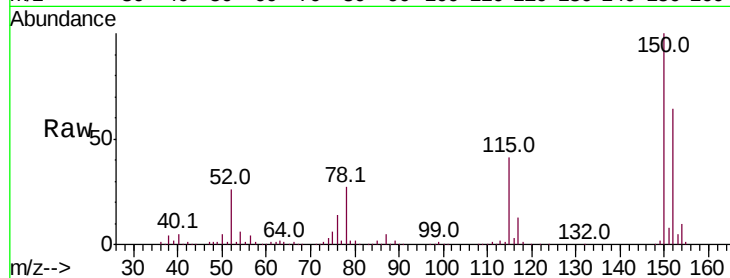
ClientSampleId :

EB07-1-2

Tot Ion:	152	Resp:	185037
Ion Ratio	Lower	Upper	
152	100		
150	157.1	126.6	189.8
115	63.8	50.7	76.1

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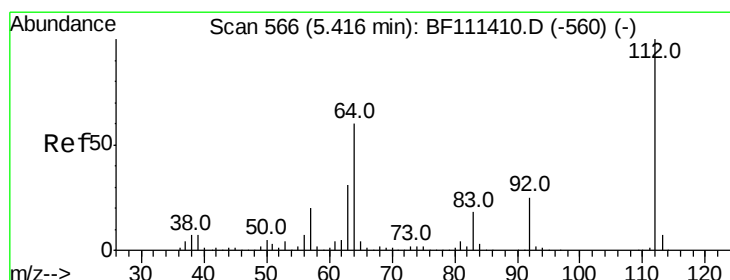
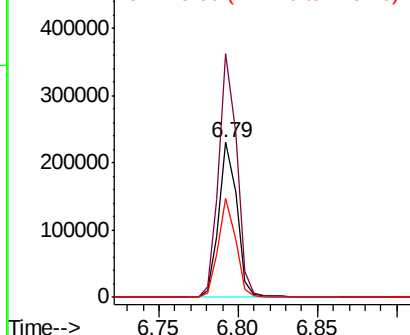
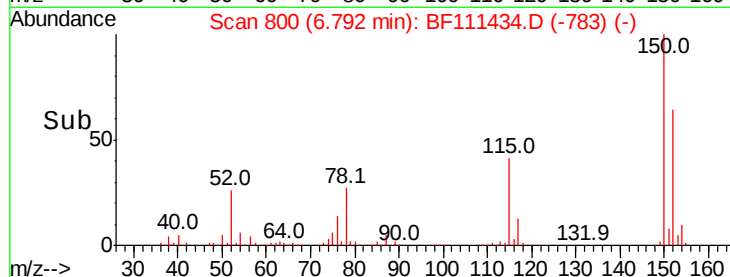


Abundance

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: 18.836 ng

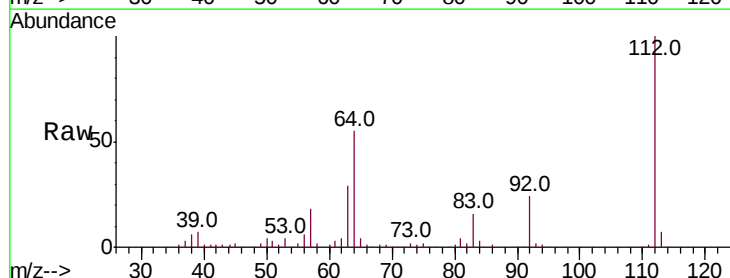
RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Tgt Ion:	112	Resp:	209446
Ion Ratio	Lower	Upper	
112	100		
64	54.8	51.8	77.6
63	29.3	26.8	40.2

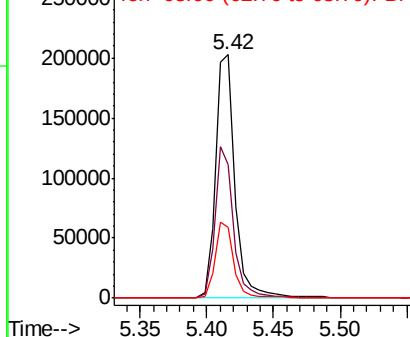
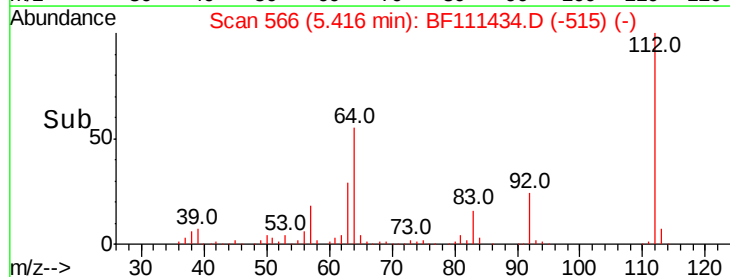


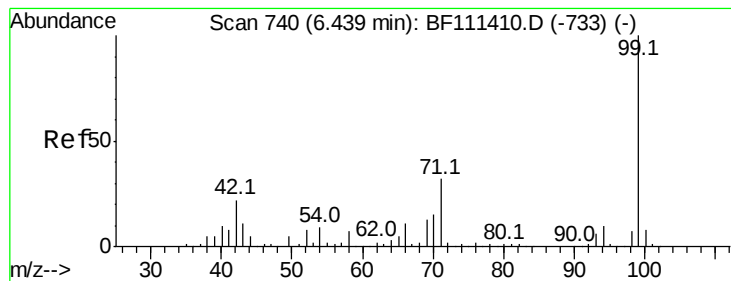
Abundance

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: 47.731 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

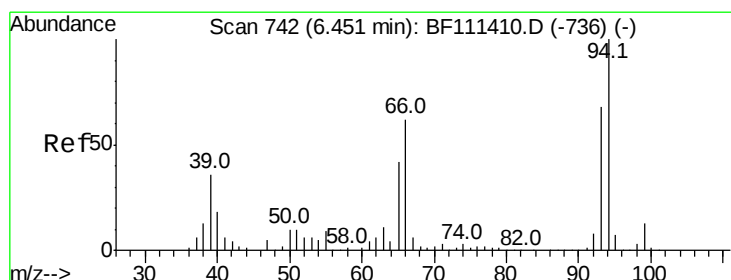
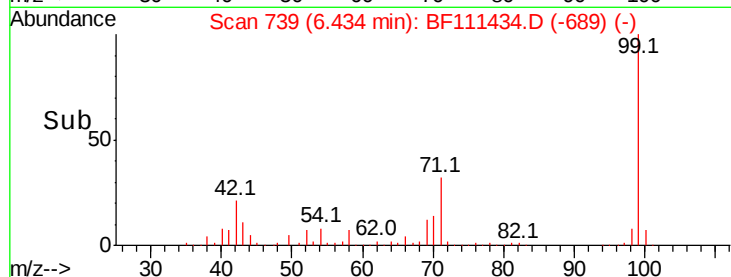
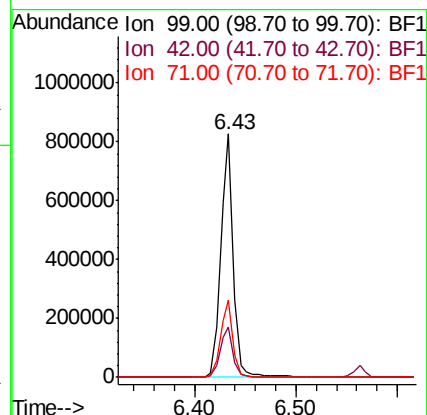
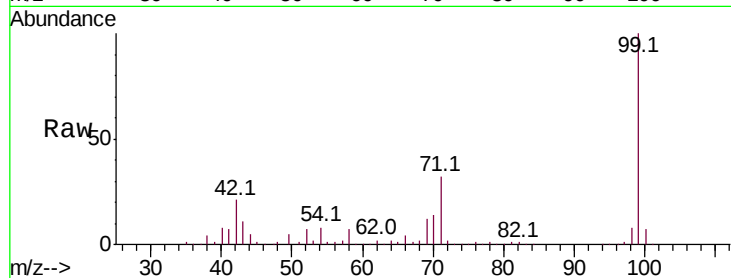
ClientSampleId :

EB07-1-2

Tot Ion:	99	Resp:	705989
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.4	26.0
71	31.6	26.1	39.1

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#10

Phenol

Concen: 3.036 ng

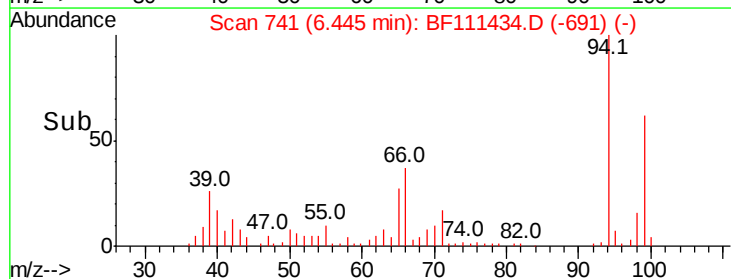
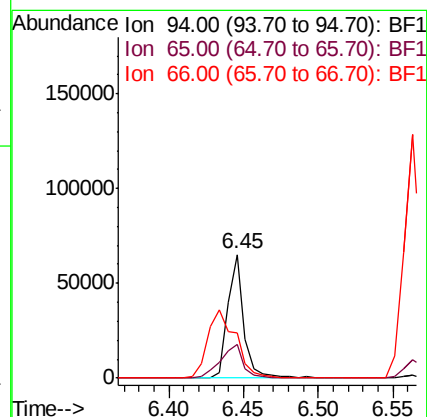
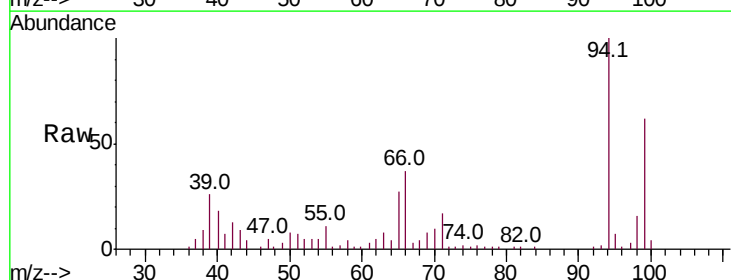
RT: 6.45 min Scan# 741

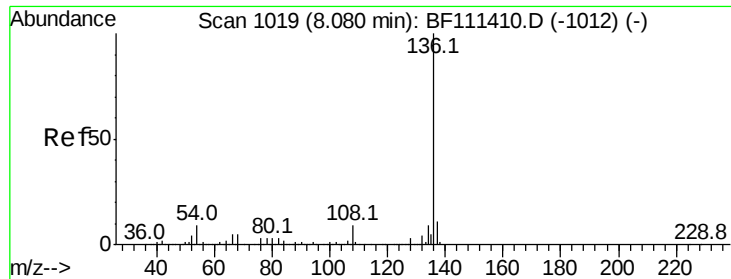
Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Tgt Ion:	94	Resp:	50027
Ion	Ratio	Lower	Upper
94	100		
65	26.9	11.7	51.7
66	37.1	21.0	61.0





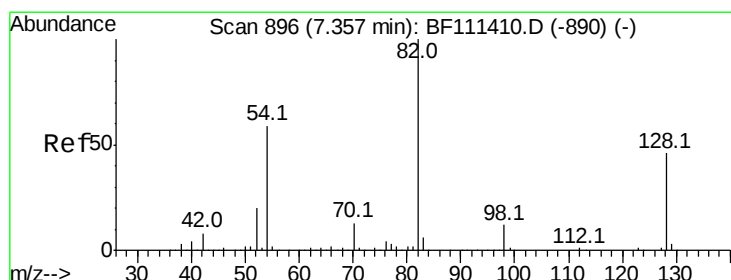
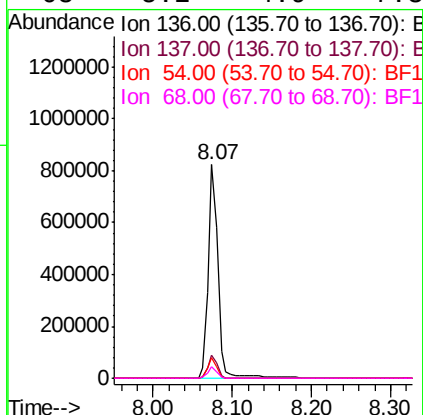
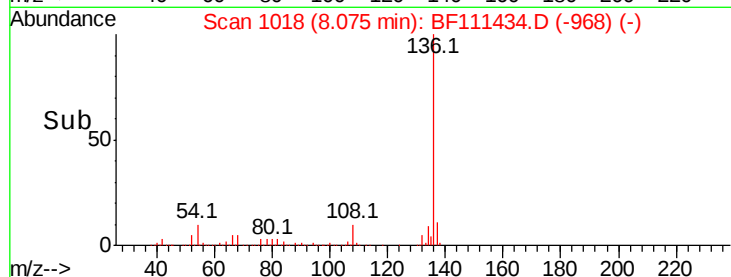
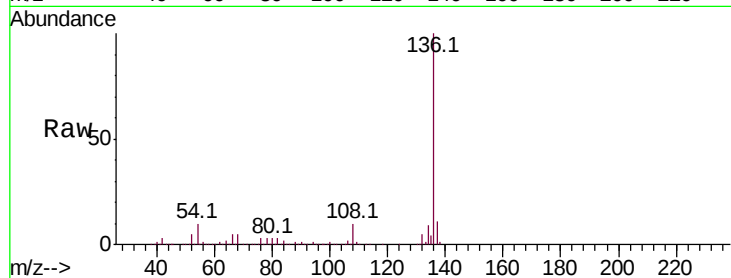
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	9.9	7.7	11.5	
68	5.2	4.9	7.3	

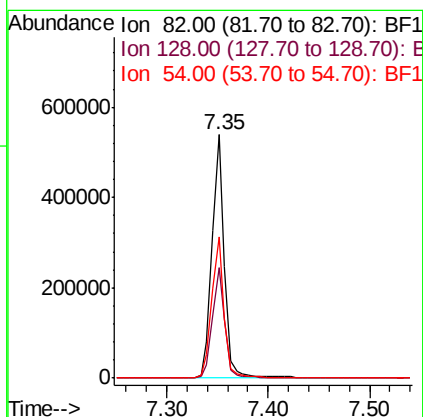
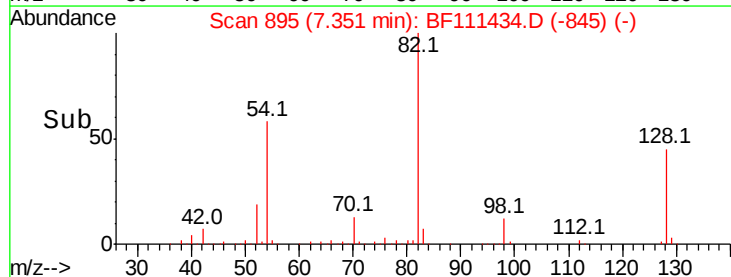
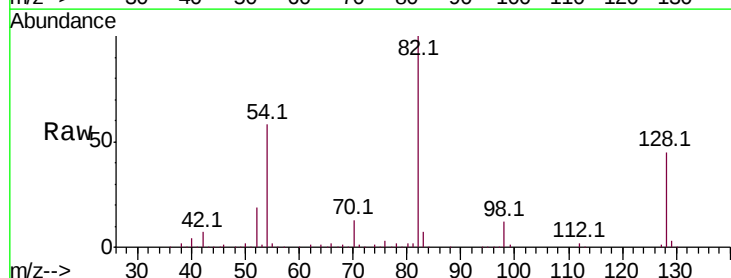
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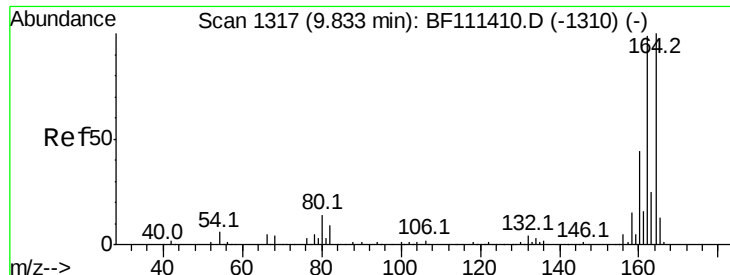
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#23
Nitrobenzene-d5
Concen: 38.310 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	37.4	56.2	
54	57.8	47.6	71.4	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

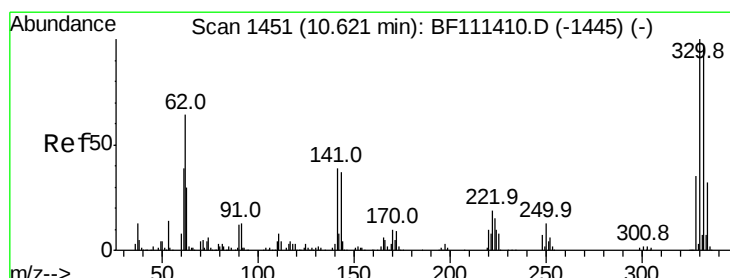
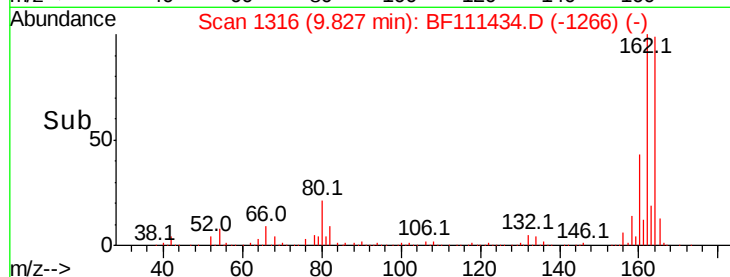
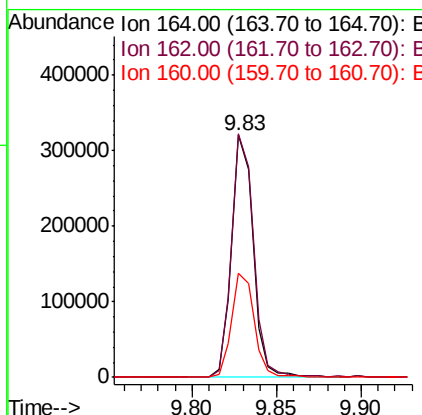
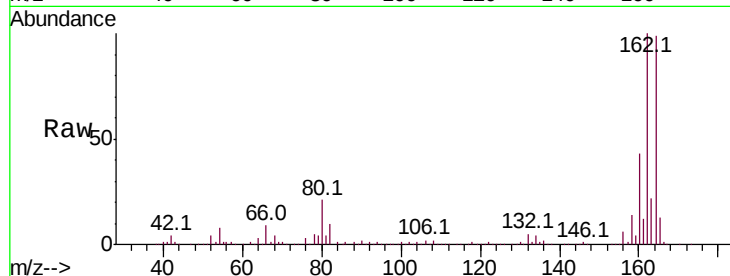
ClientSampleId :

EB07-1-2

Tot Ion:	164	Resp:	285630
Ion Ratio	Lower	Upper	
164	100		
162	100.6	81.4	122.0
160	43.2	35.7	53.5

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#42

2,4,6-Tribromophenol

Concen: 9.067 ng

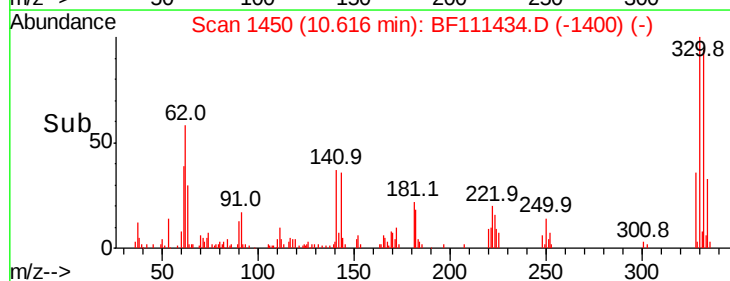
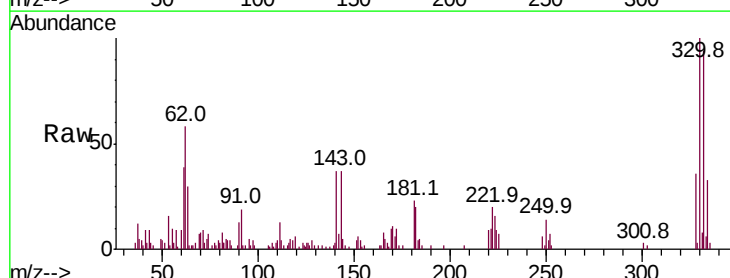
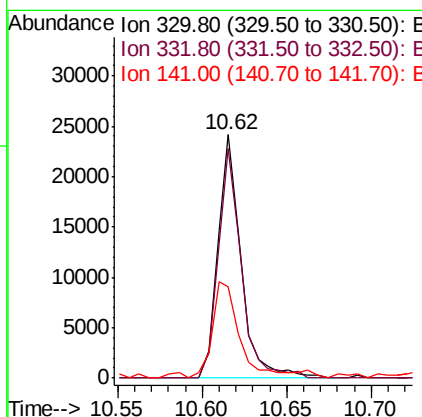
RT: 10.62 min Scan# 1450

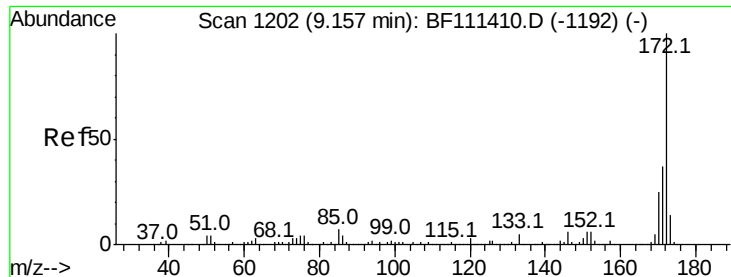
Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Tgt Ion:	330	Resp:	23198
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.0	114.0
141	47.3	31.0	46.6#





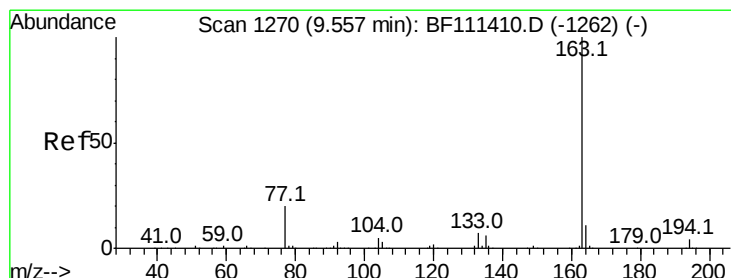
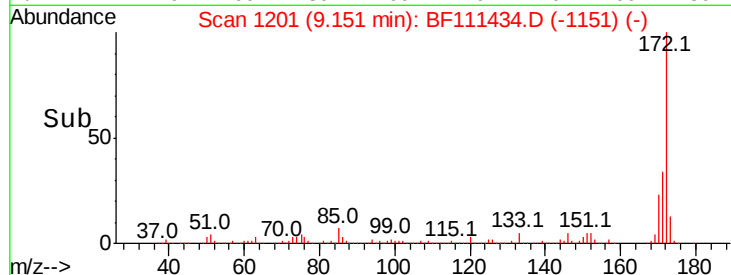
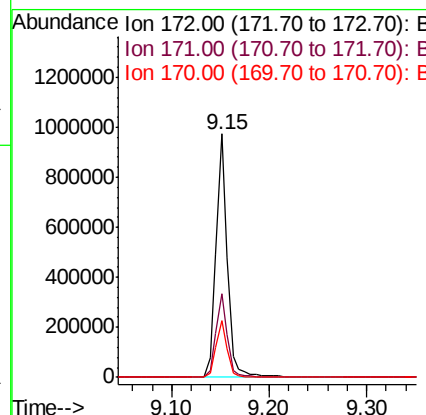
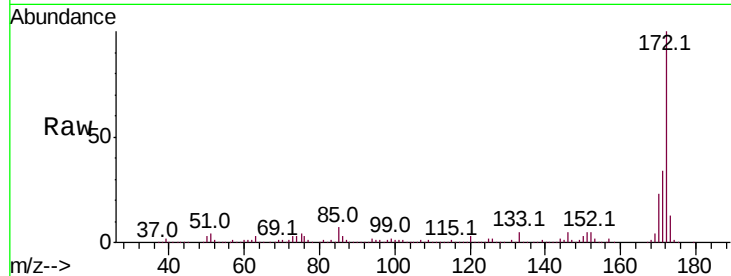
#45
2-Fluorobiphenyl
Concen: 42.714 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.5	33.0	49.4	
170	23.2	22.3	33.5	

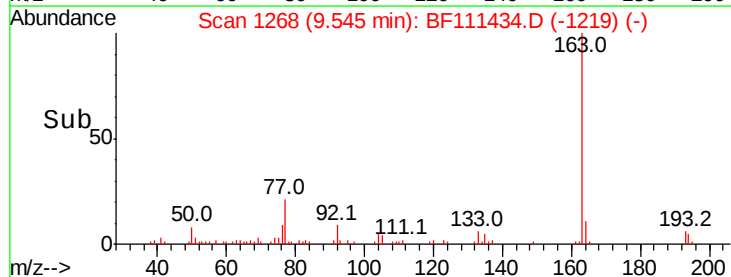
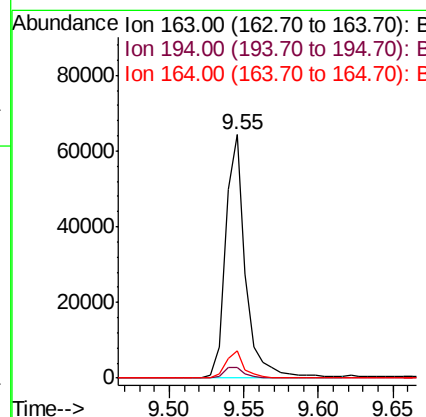
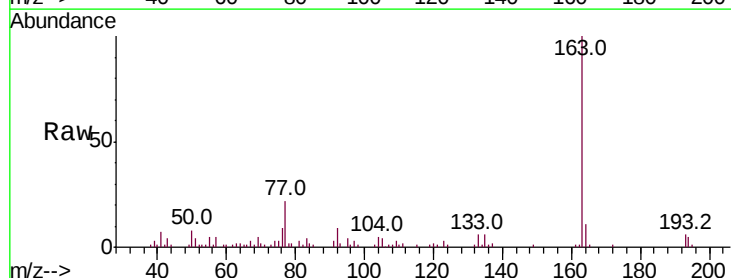
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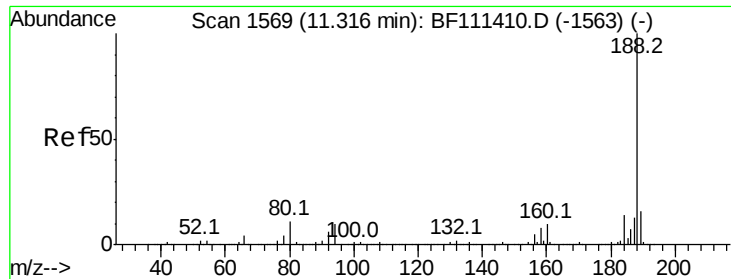
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#50
Dimethylphthalate
Concen: 2.962 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.6	3.0	4.6#	
164	11.5	8.9	13.3	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

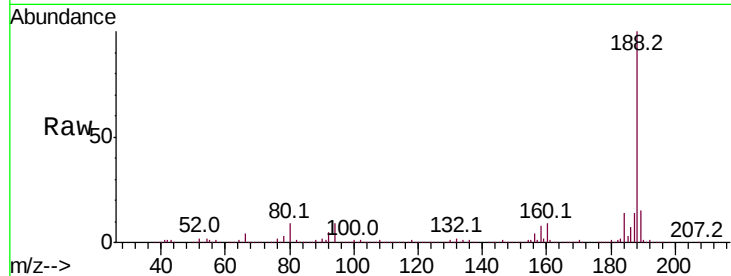
ClientSampleId :

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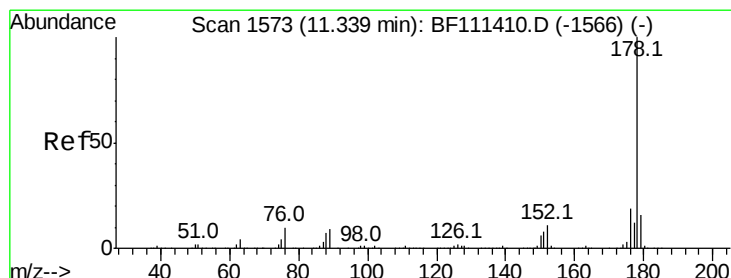
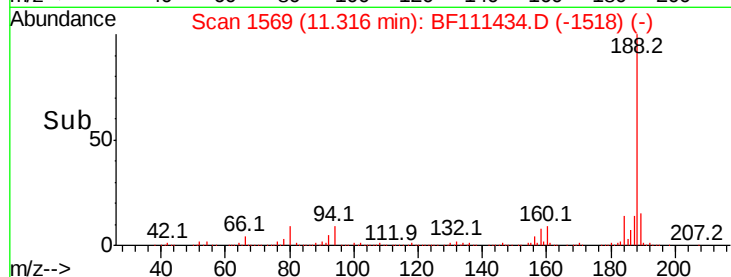
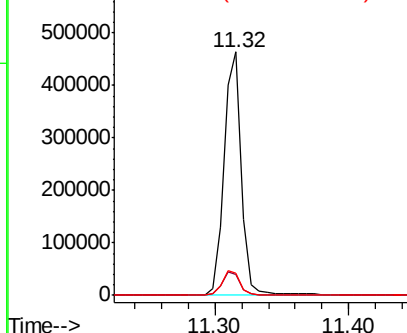
Tot Ion:	188	Resp:	426202
Ion Ratio	Lower	Upper	
188	100		
94	8.7	9.6	14.4#
80	9.2	9.8	14.6#

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 15.913 ng

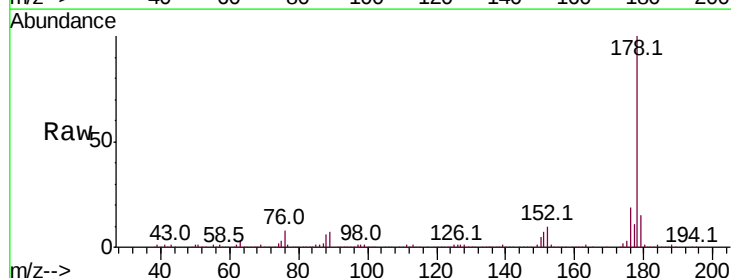
RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

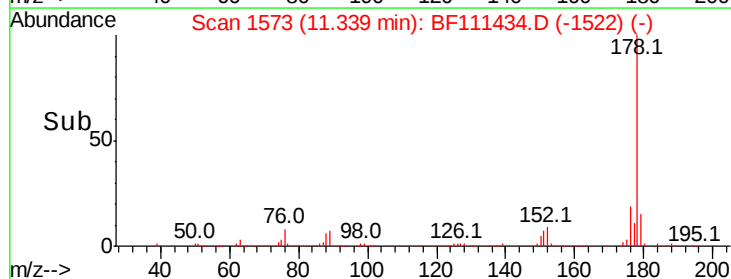
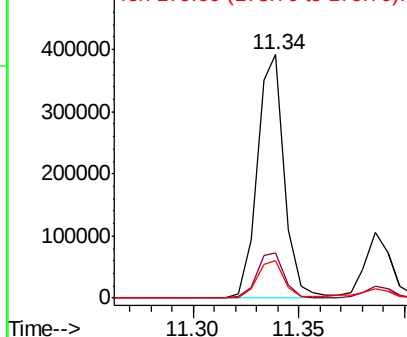
Lab File: BF111434.D

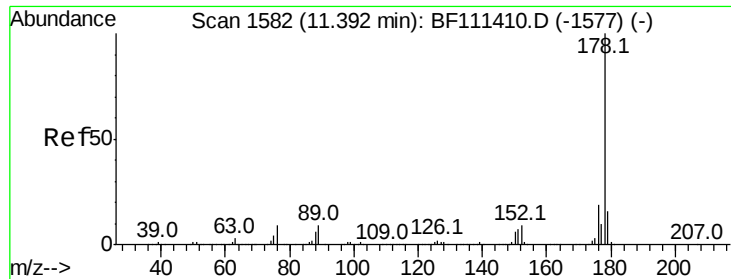
Acq: 14 Dec 2018 22:20

Tgt Ion:	178	Resp:	349463
Ion Ratio	Lower	Upper	
178	100		
176	18.8	18.1	27.1
179	15.2	14.0	21.0



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





#72

Anthracene

Concen: 4.243 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

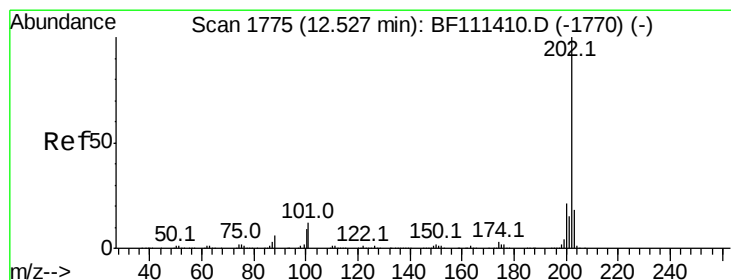
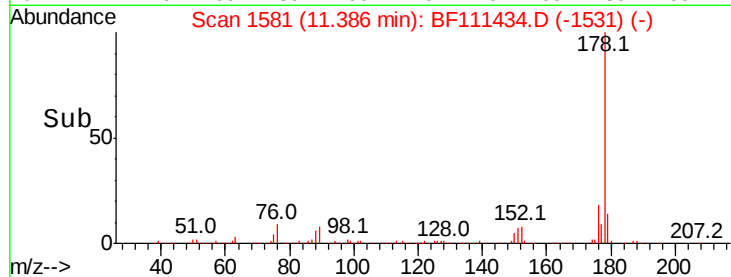
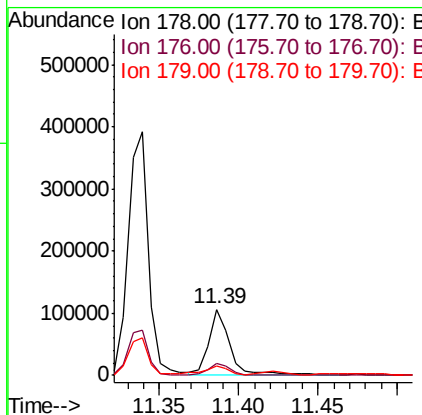
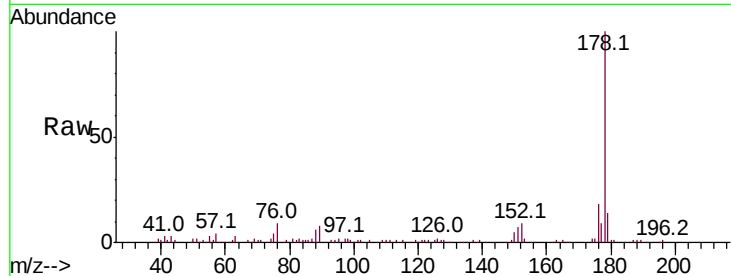
ClientSampleId :

EB07-1-2

Tot Ion:	178	Resp:	95286
Ion Ratio	Lower	Upper	
178	100		
176	18.4	17.2	25.8
179	14.2	13.8	20.8

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#75

Fluoranthene

Concen: 34.942 ng

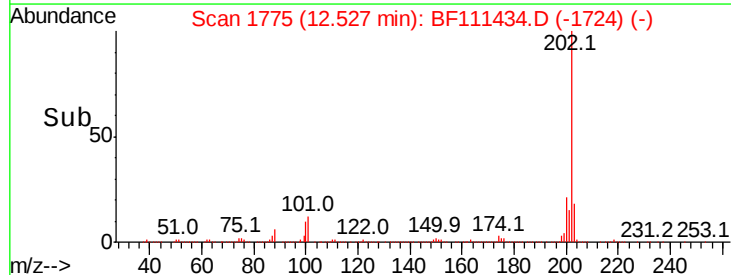
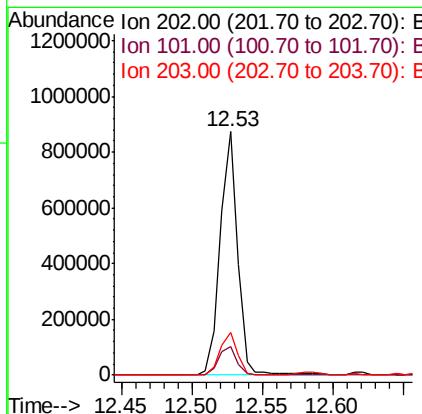
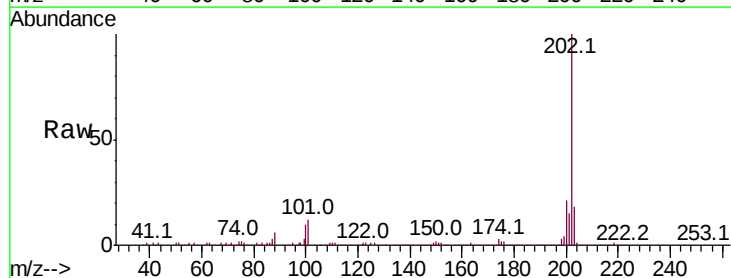
RT: 12.53 min Scan# 1775

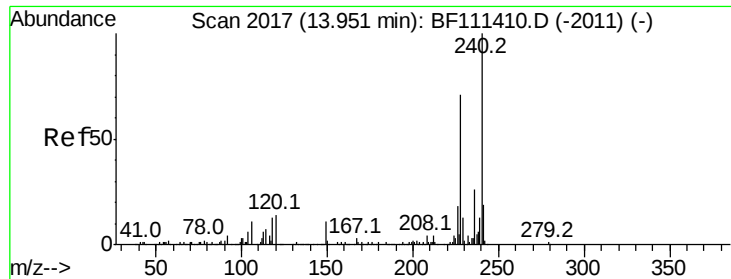
Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Tgt Ion:	202	Resp:	750724
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	33.8
203	17.6	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

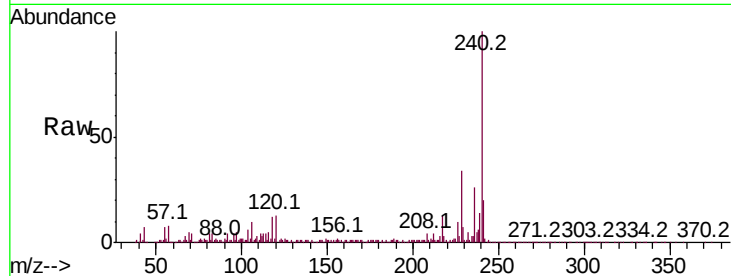
ClientSampleId :

EB07-1-2

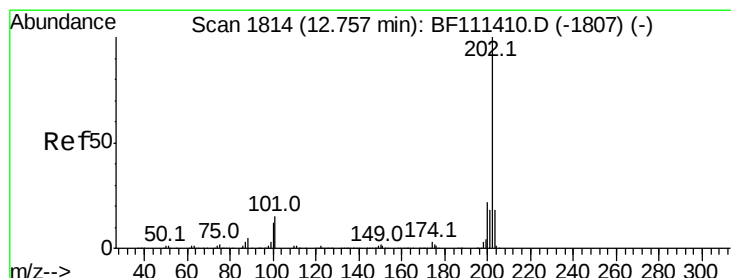
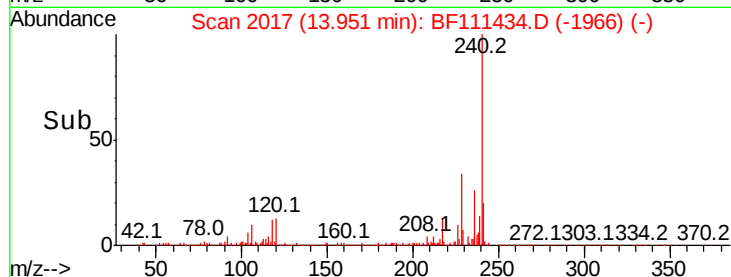
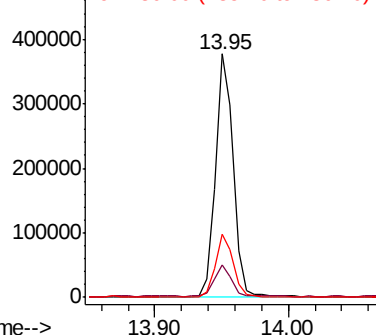
Tot Ion:	240	Resp:	342761
Ion Ratio	Lower	Upper	
240	100		
120	13.4	12.2	18.2
236	25.9	20.2	30.2

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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



#78

Pyrene

Concen: 28.866 ng

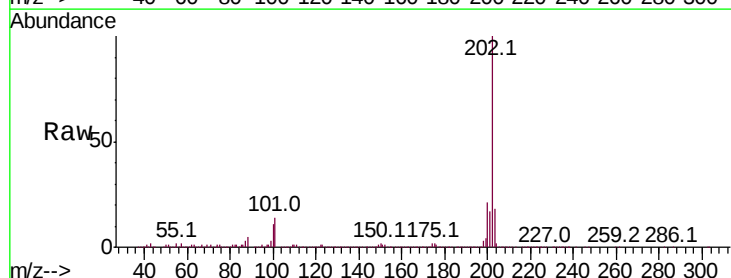
RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

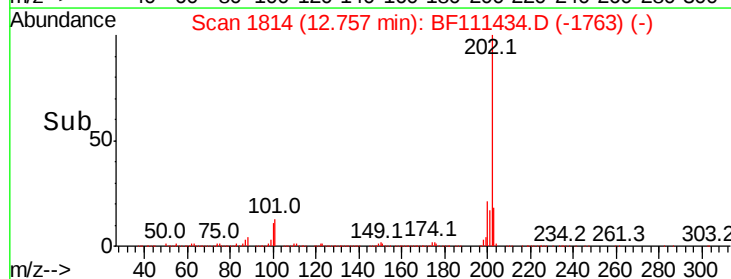
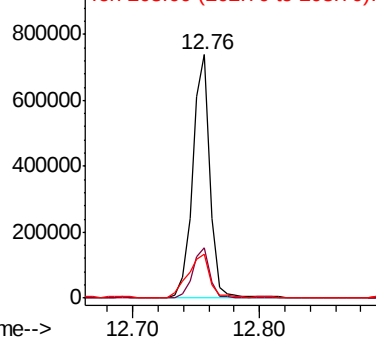
Lab File: BF111434.D

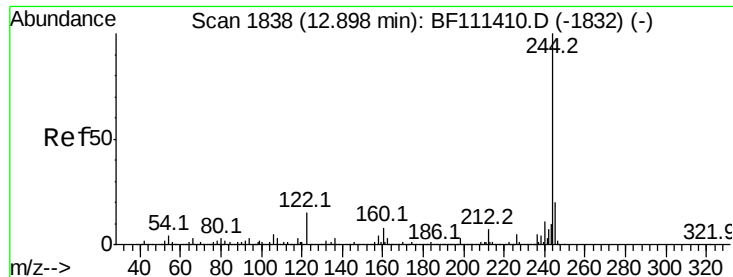
Acq: 14 Dec 2018 22:20

Tgt Ion:	202	Resp:	697582
Ion Ratio	Lower	Upper	
202	100		
200	20.7	19.0	28.4
203	17.9	15.2	22.8



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





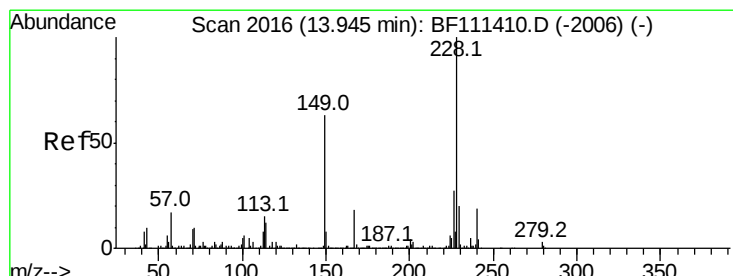
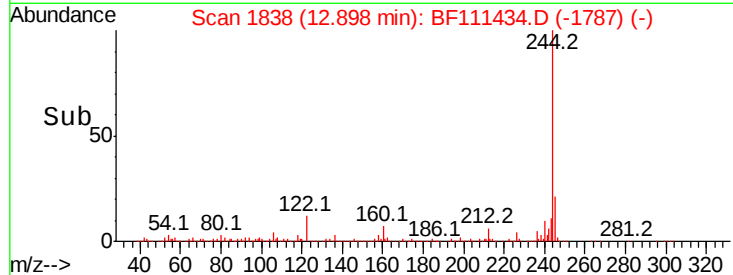
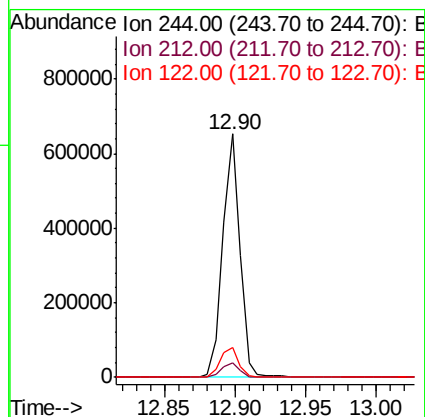
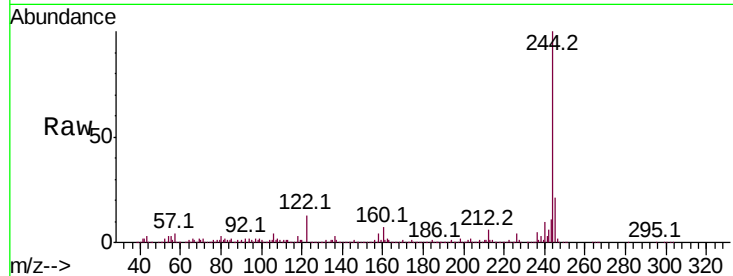
#79
 Terphenyl-d14
 Concen: 38.148 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111434.D
 Acq: 14 Dec 2018 22:20

Instrument :
 BNA_F
 ClientSampleId :
 EB07-1-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.7	8.5
122	12.5	13.1	19.7

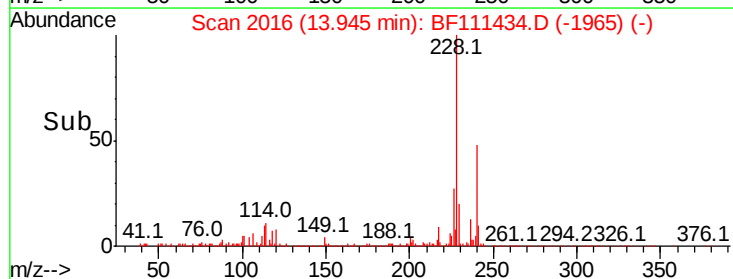
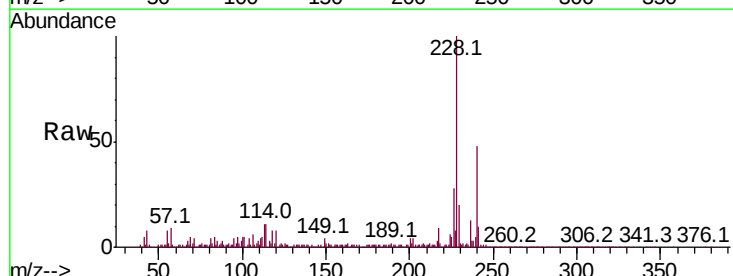
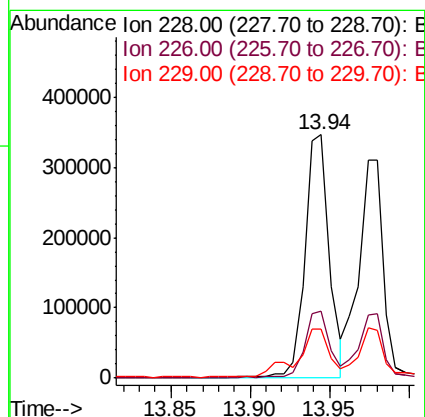
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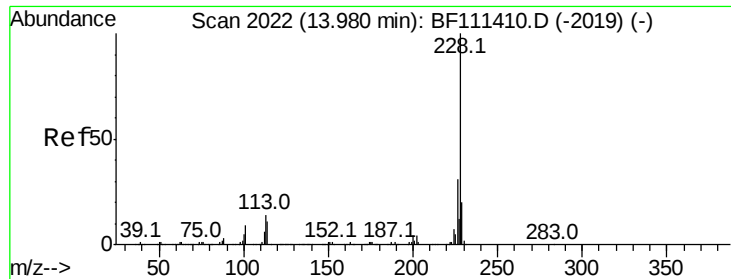
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#81
 Benzo(a)anthracene
 Concen: 19.592 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF111434.D
 Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	34.0
229	20.4	16.3	24.5





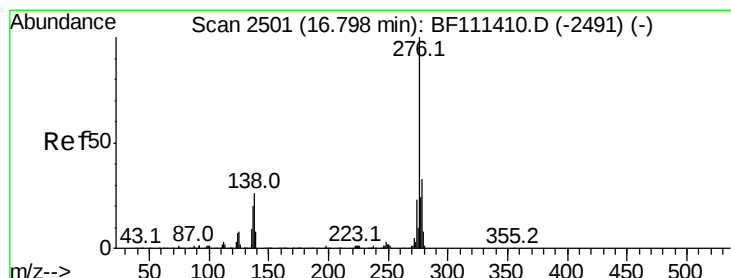
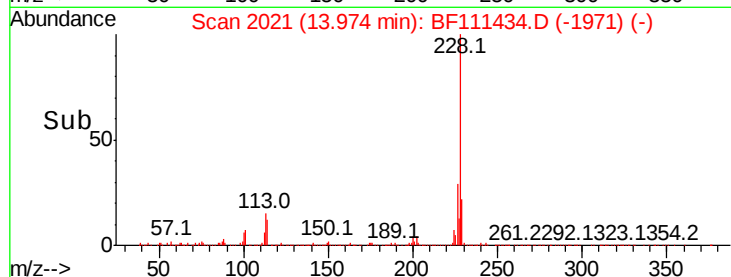
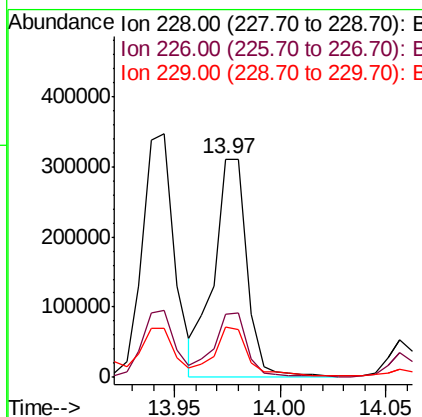
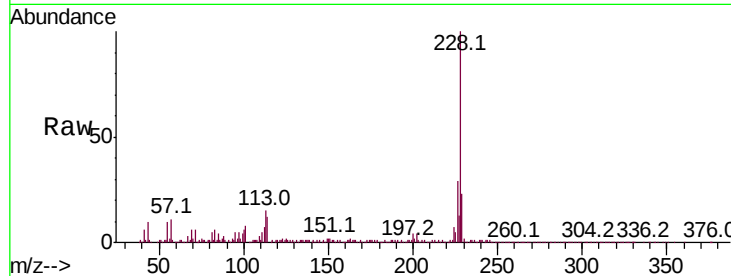
#83
Chrysene
Concen: 17.222 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.9	25.3	37.9	
229	23.1	17.2	25.8	

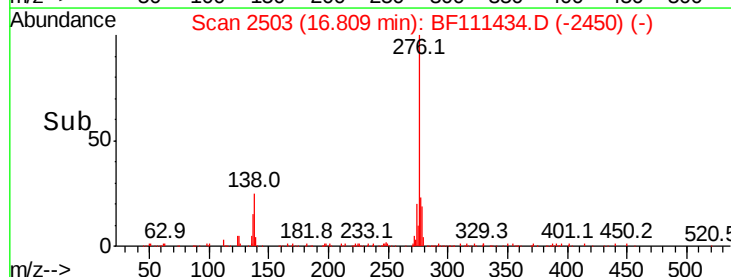
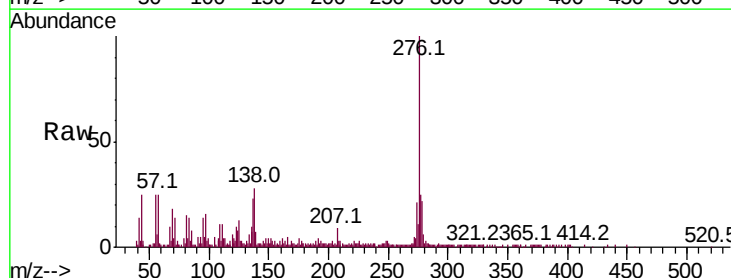
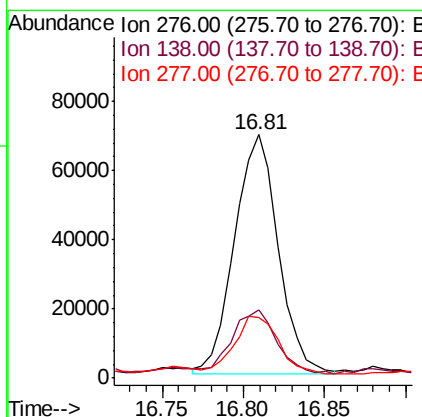
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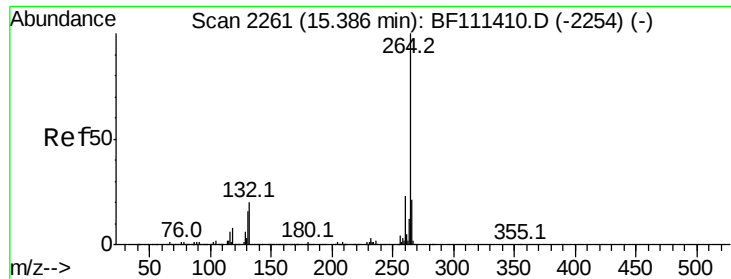
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.157 ng m
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	6.5	27.8	41.6#	
277	4.9	20.1	30.1#	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_F

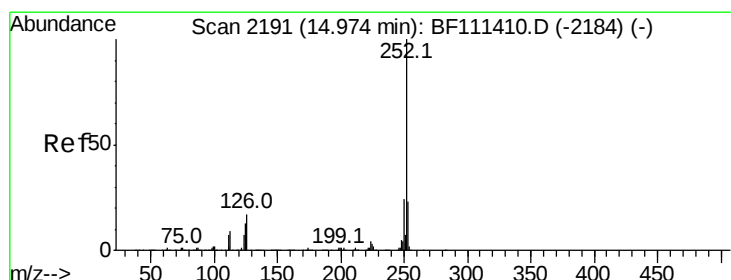
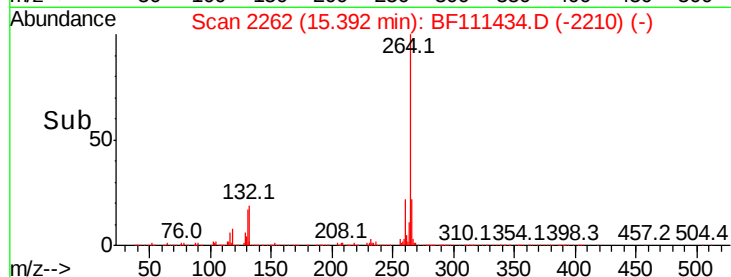
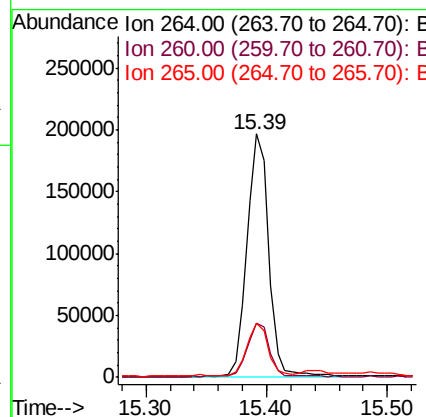
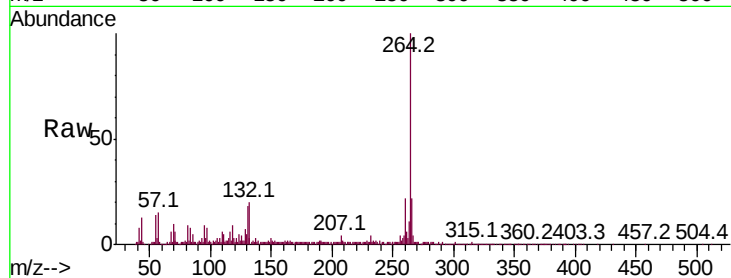
ClientSampled :

EB07-1-2

Tot Ion:	264	Resp:	247414
Ion Ratio	Lower	Upper	
264	100		
260	22.2	18.3	27.5
265	22.5	17.7	26.5

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 25.482 ng m

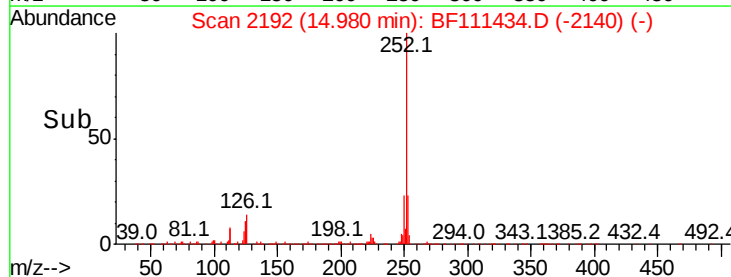
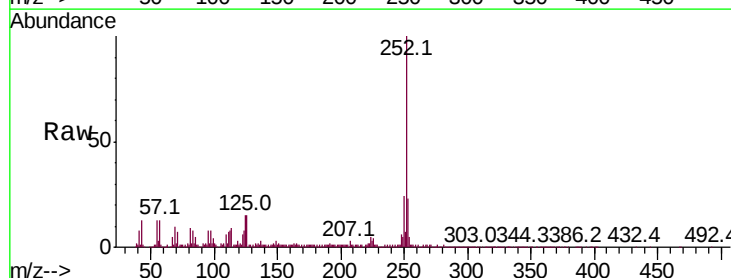
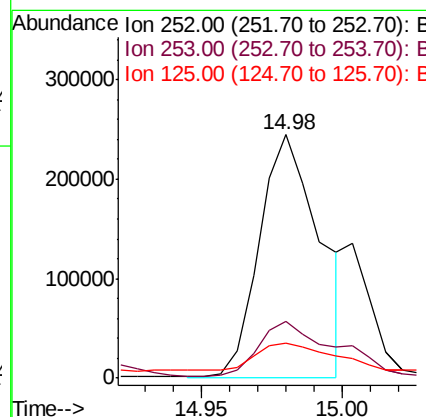
RT: 14.98 min Scan# 2192

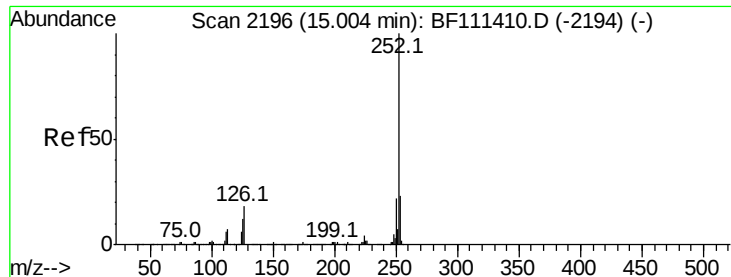
Delta R.T. 0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Tgt Ion:	252	Resp:	367561
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	14.6	10.4	15.6





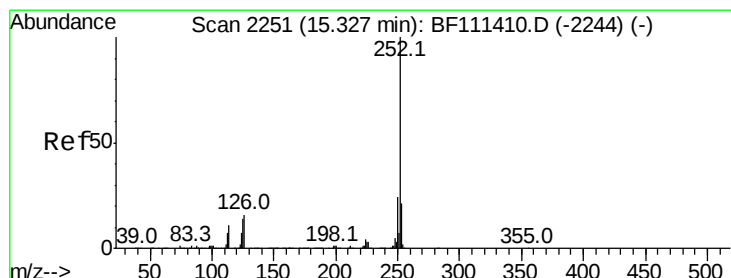
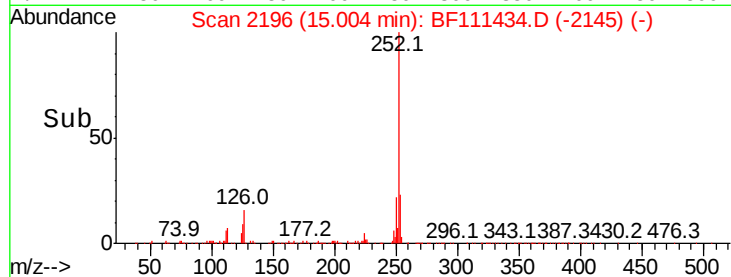
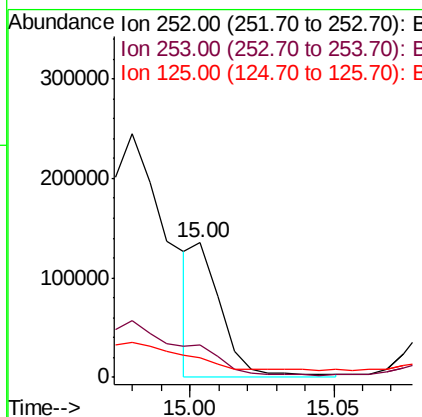
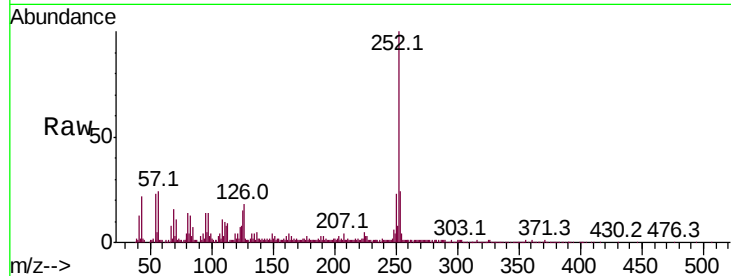
#89
Benzo(k)fluoranthene
Concen: 6.875 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	15.0	9.8	14.8

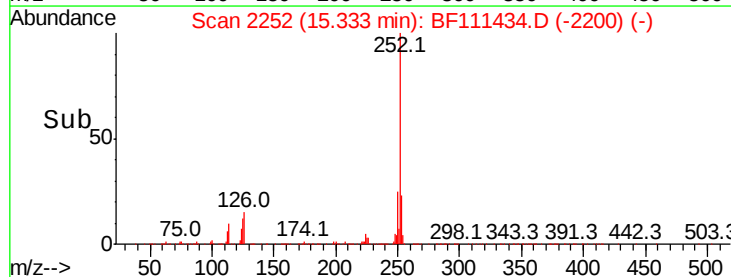
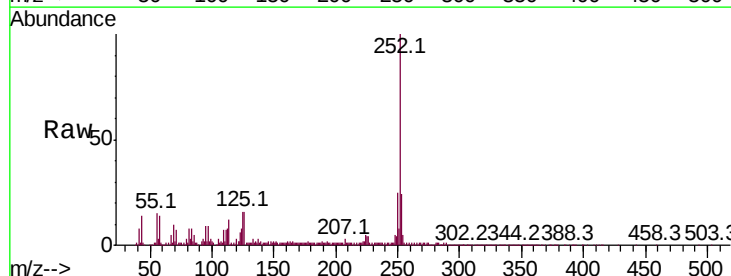
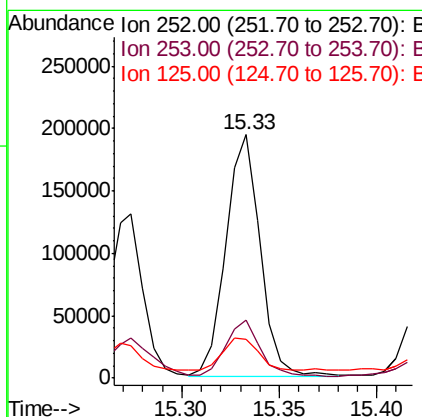
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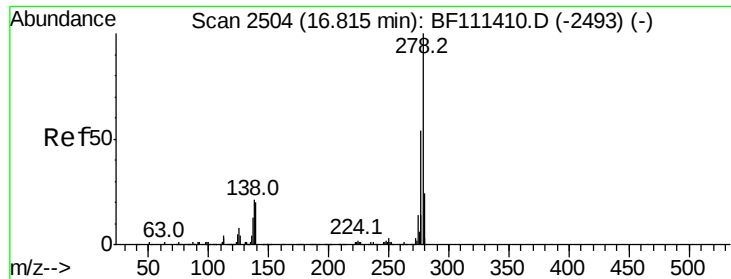
Sohil
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#90
Benzo(a)pyrene
Concen: 18.082 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	15.8	12.3	18.5





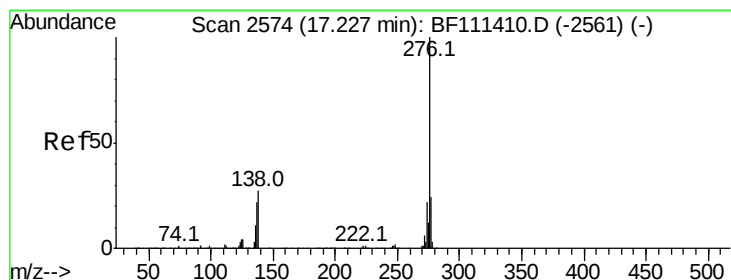
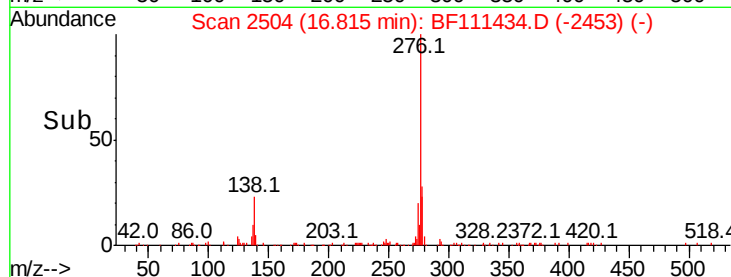
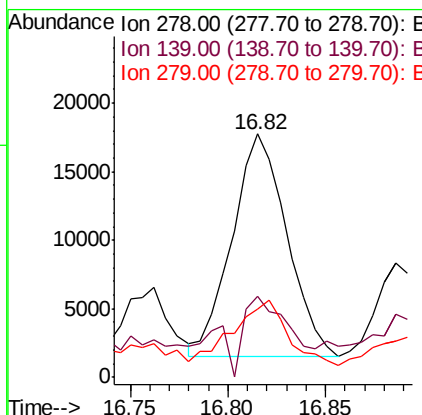
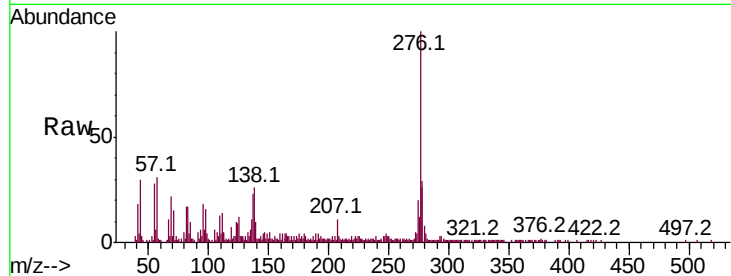
#91
Dibenzo(a,h)anthracene
Concen: 3.079 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.2	18.2	27.4#
279	27.8	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 13.008 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	25.0	24.9	37.3

