

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113137.D
 Acq On : 19 Mar 2019 20:40
 Operator : JU/SJ
 Sample : K1693-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-A

Manual Integrations
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 3/20/2019 6:51:26 PM

Quant Time: Mar 20 02:39:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	139657	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	492436	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	220338	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	374661	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	297351	20.00	ng	0.00
87) Perylene-d12	15.27	264	240074	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	198802	22.14	ng	-0.01
7) Phenol-d6	6.36	99	285607	25.32	ng	-0.01
23) Nitrobenzene-d5	7.28	82	134155	16.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	58335	24.94	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	261276	15.09	ng	-0.01
79) Terphenyl-d14	12.82	244	214589	13.99	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	11.26	178	183692	9.854	ng	98
72) Anthracene	11.31	178	46202	2.368	ng	98
75) Fluoranthene	12.45	202	232704	11.652	ng	94
78) Pyrene	12.67	202	279026	11.131	ng	98
81) Benzo(a)anthracene	13.85	228	101659	4.933	ng	93
83) Chrysene	13.89	228	101281	5.017	ng	96
88) Benzo(b)fluoranthene	14.87	252	90682m	5.840	ng	
89) Benzo(k)fluoranthene	14.90	252	29813m	2.120	ng	
90) Benzo(a)pyrene	15.22	252	67133	4.888	ng	98
92) Benzo(g,h,i)perylene	17.04	276	31602	2.685	ng	97

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

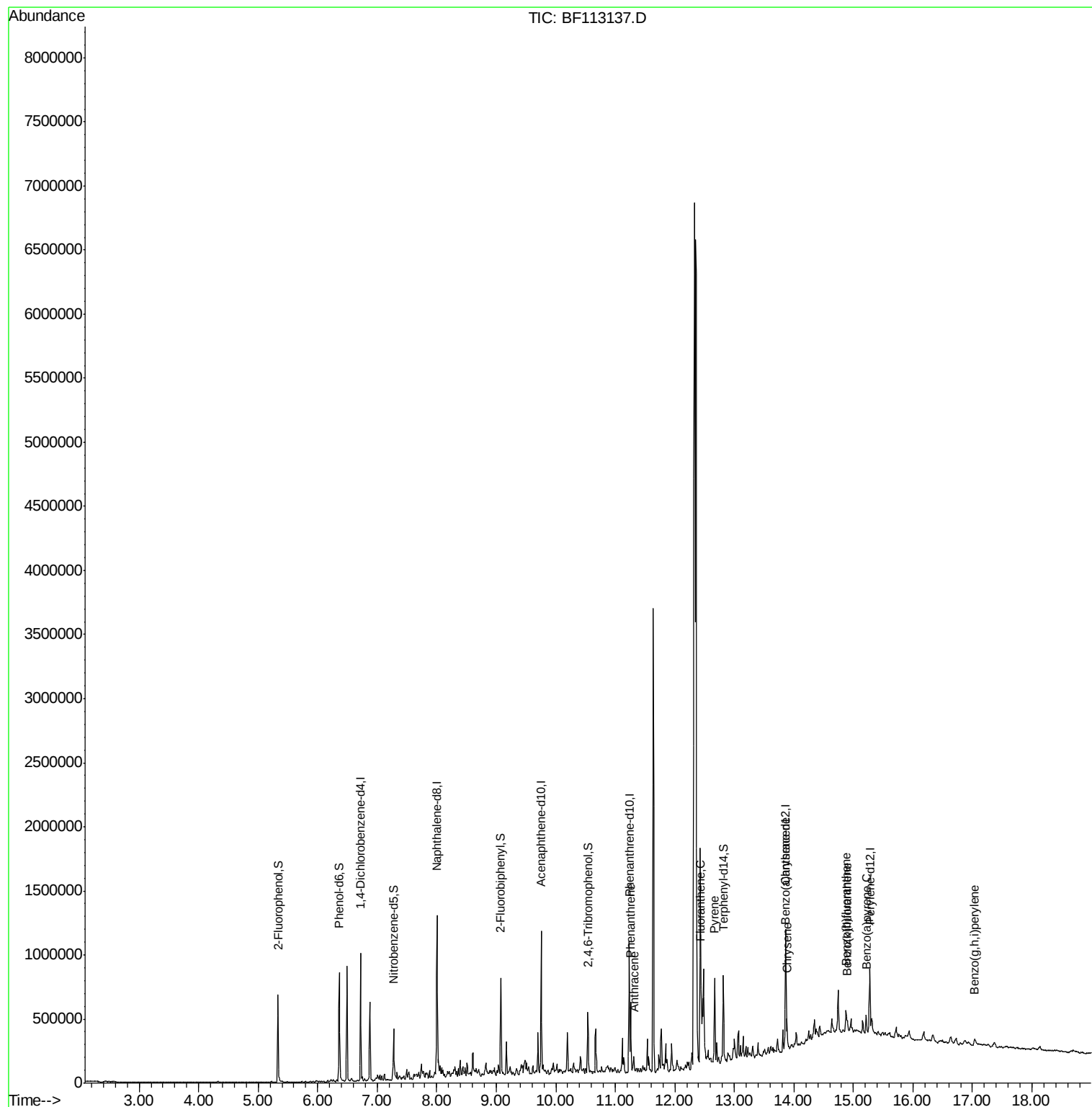
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113137.D
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Operator : JU/SJ
Sample : K1693-09 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

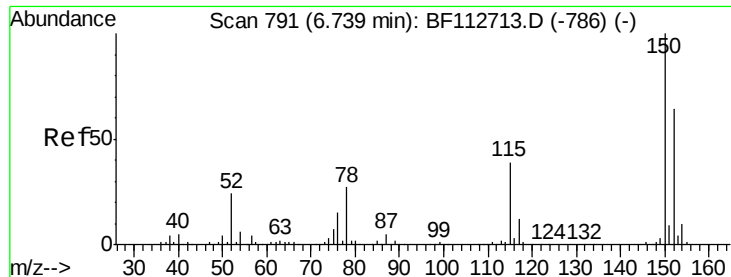
Instrument :
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#1

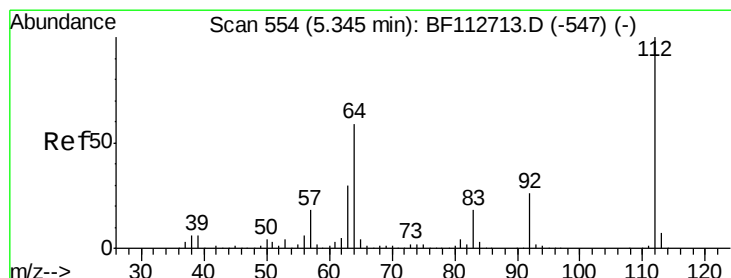
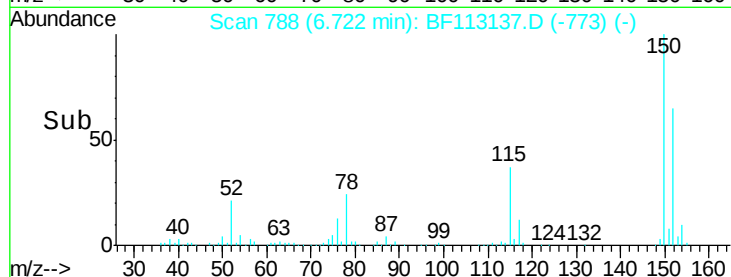
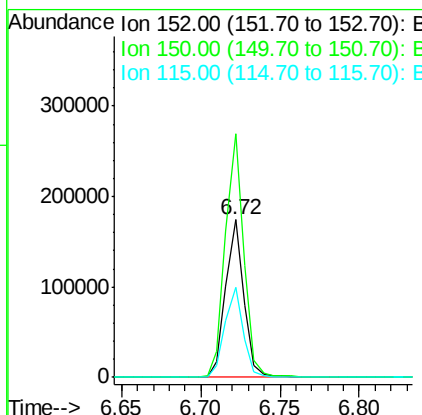
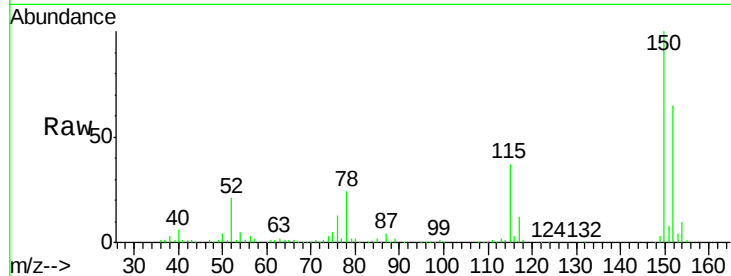
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.2
115	56.8	48.2	72.4

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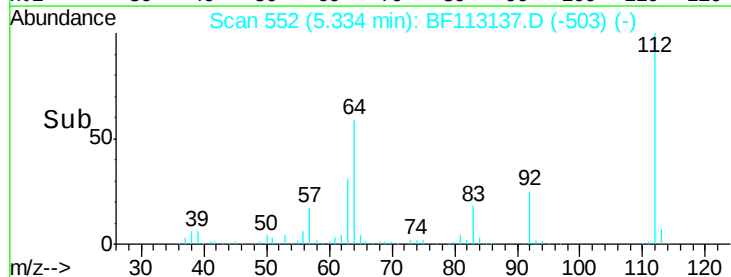
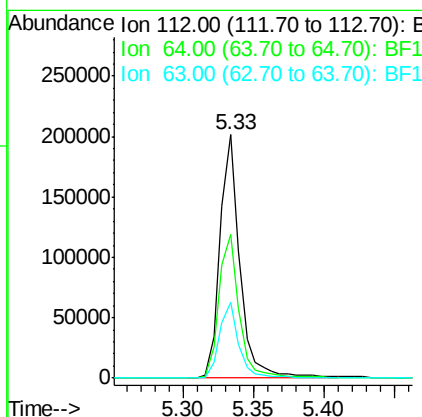
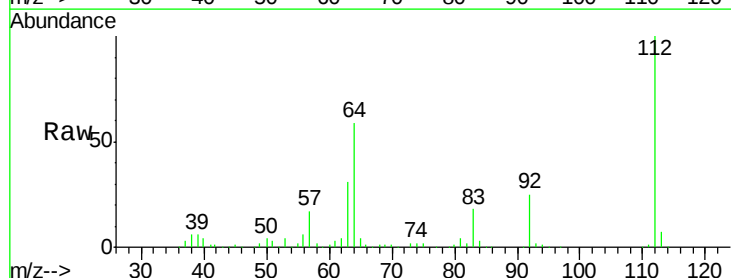
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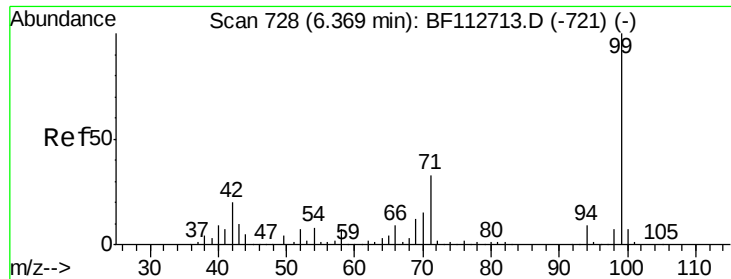


#5

2-Fluorophenol
Concen: 22.143 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.6	71.4
63	31.0	24.4	36.6





#7

Phenol-d6

Concen: 25.325 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

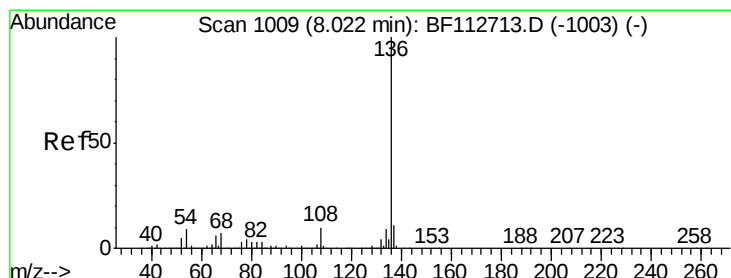
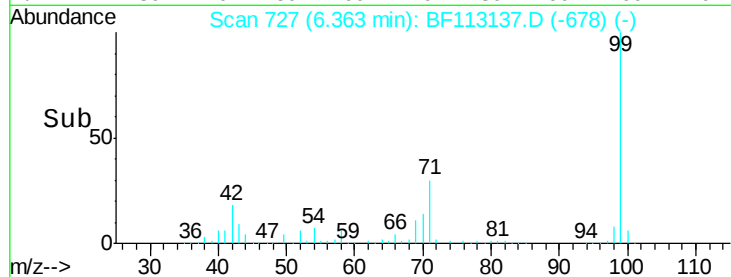
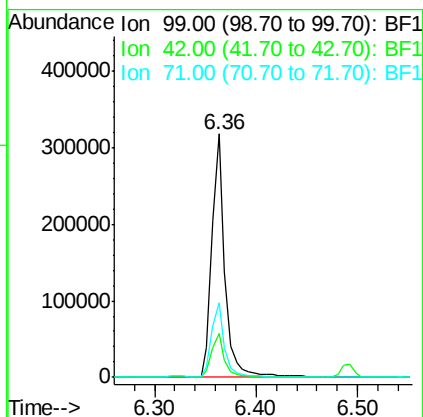
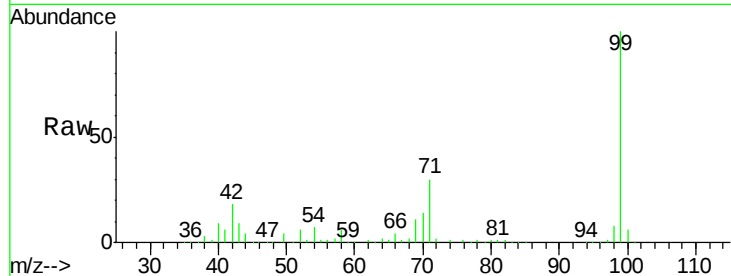
ClientSampleId :

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Tgt Ion:	99	Resp:	285607
Ion Ratio	Lower	Upper	
99	100		
42	17.9	16.3	24.5
71	30.5	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

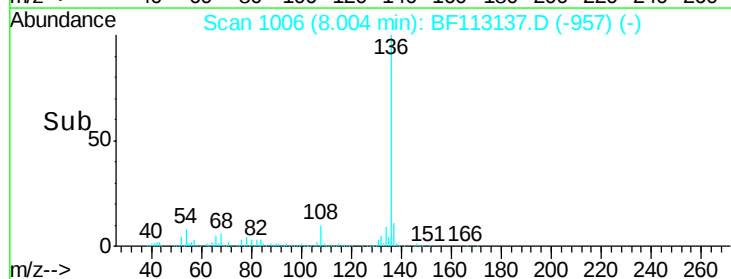
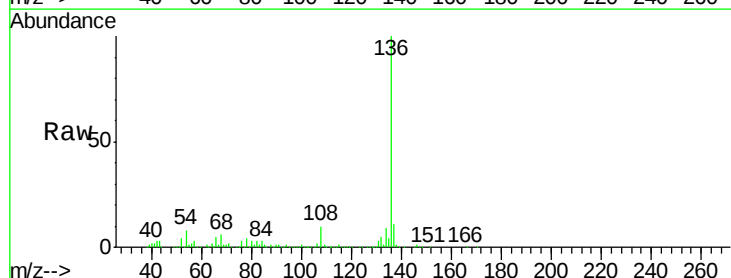
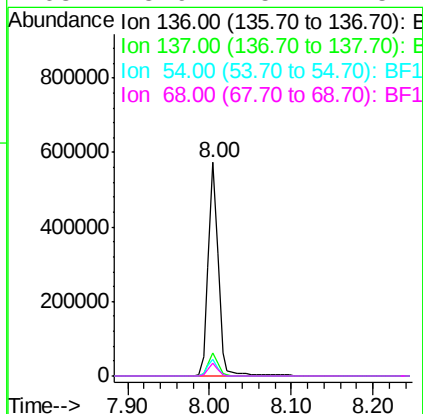
RT: 8.00 min Scan# 1006

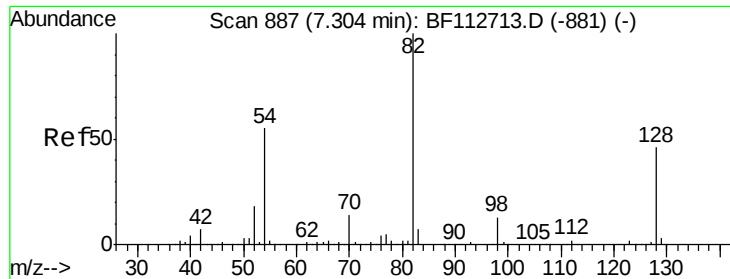
Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Tgt Ion:	136	Resp:	492436
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.0	7.3	10.9
68	5.9	5.4	8.2





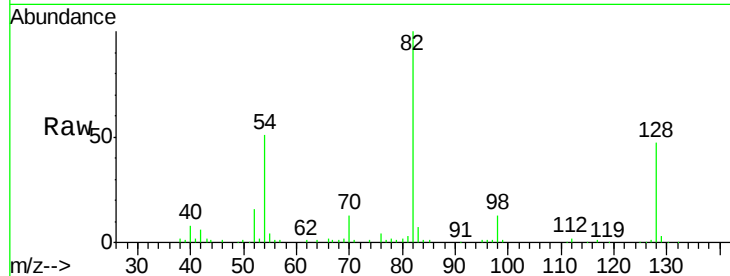
#23
Nitrobenzene-d5
Concen: 16.302 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

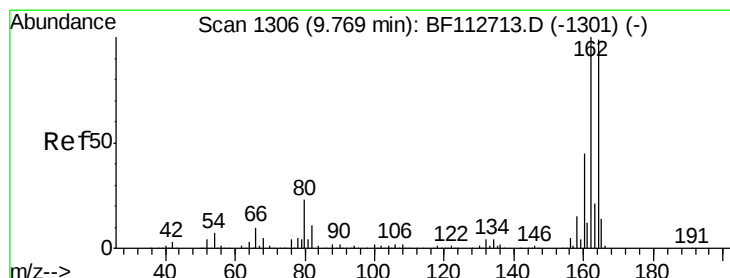
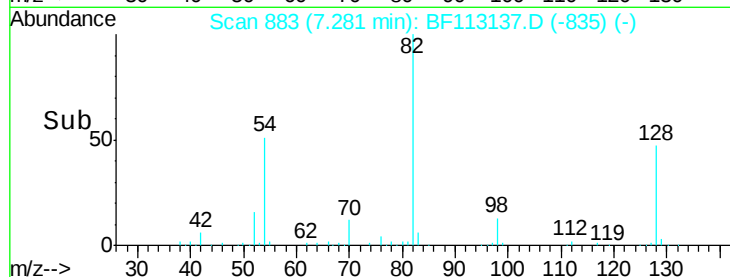
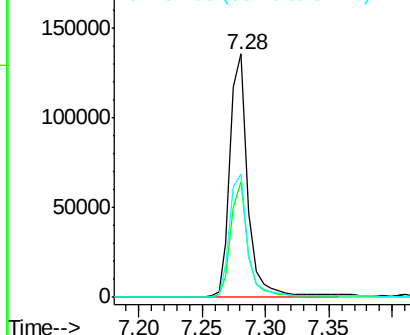
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	134155		
128	47.3	36.3	54.5	
54	50.8	43.7	65.5	

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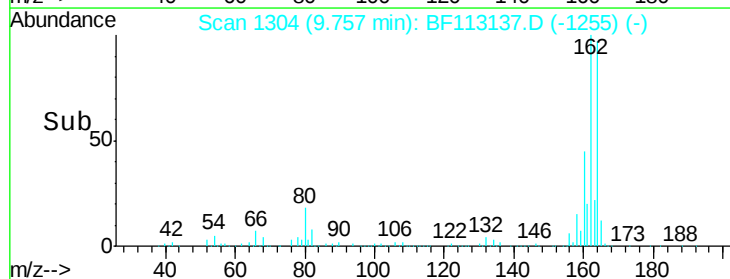
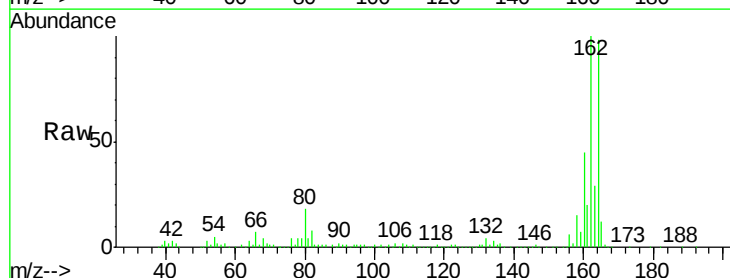
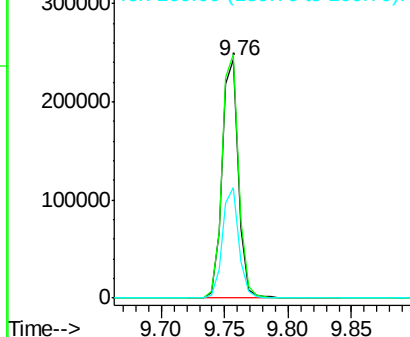
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

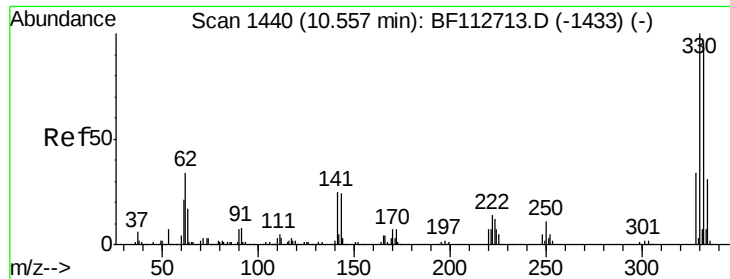


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220338		
162	102.1	80.6	120.8	
160	46.2	36.0	54.0	

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





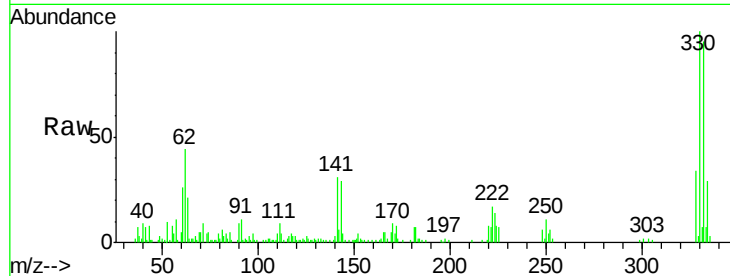
#42
 2,4,6-Tribromophenol
 Concen: 24.938 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-A

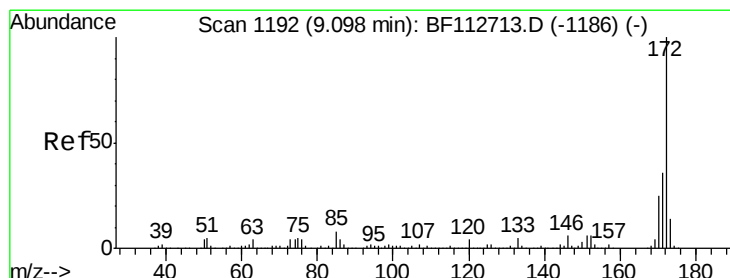
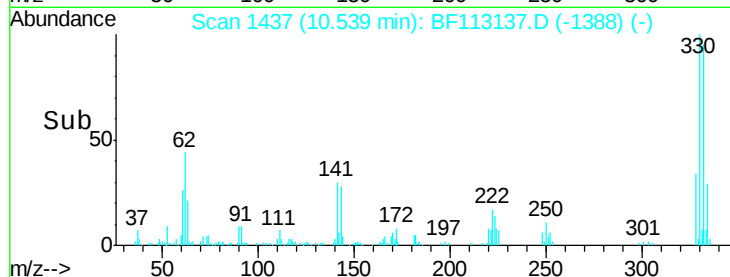
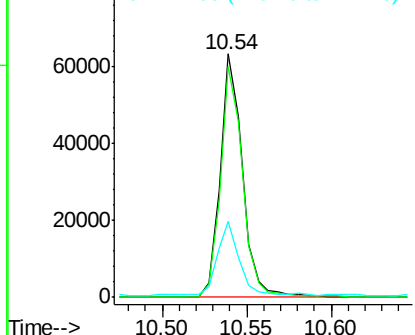
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.2	114.4
141	31.9	27.0	40.6

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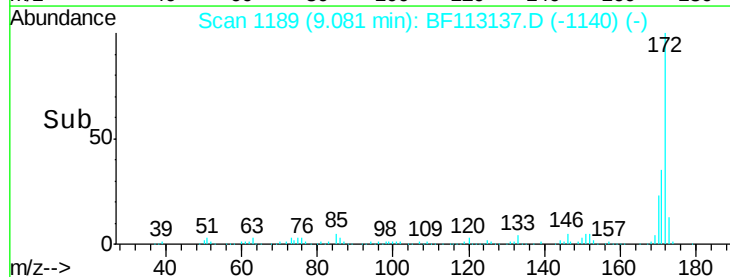
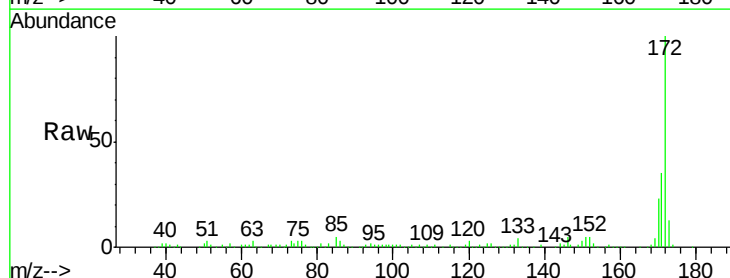
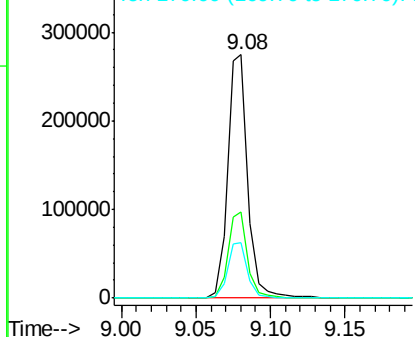
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

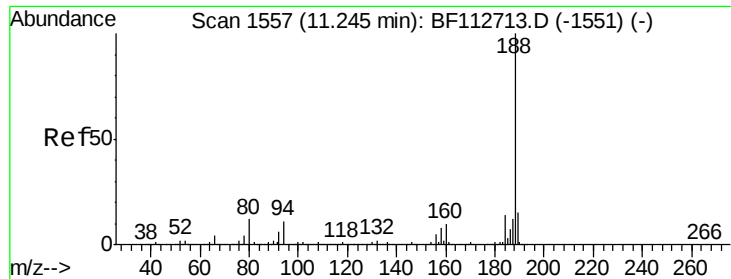


#45
 2-Fluorobiphenyl
 Concen: 15.089 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	23.0	20.0	30.0

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

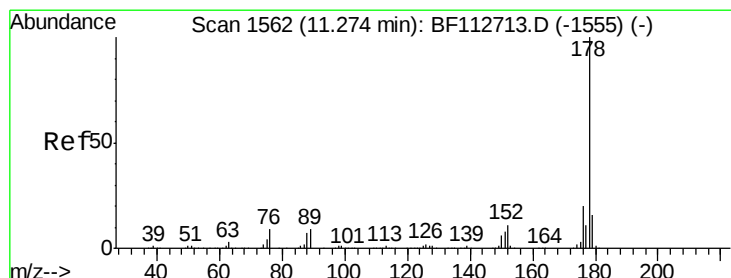
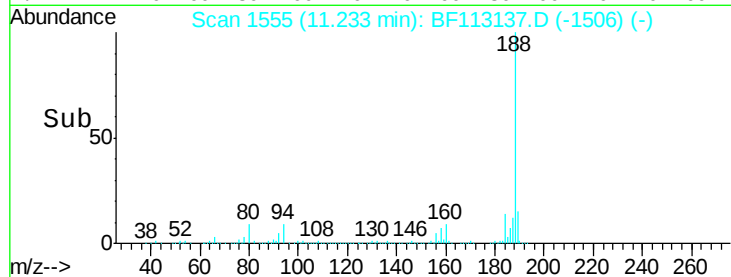
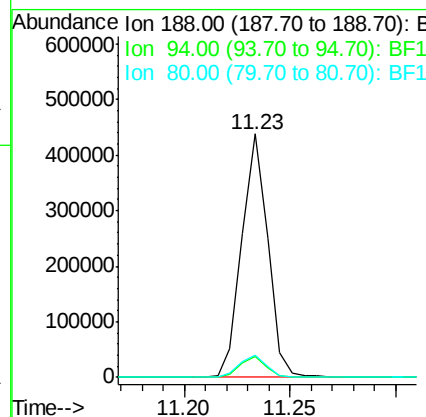
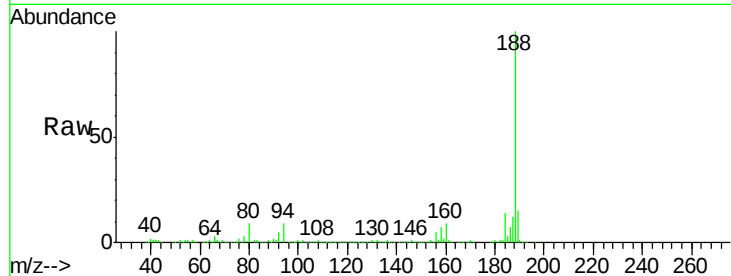
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Tgt Ion:	188	Resp:	374661
Ion Ratio	Lower	Upper	
188	100		
94	8.8	9.0	13.4#
80	9.3	9.2	13.8

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#71

Phenanthrene

Concen: 9.854 ng

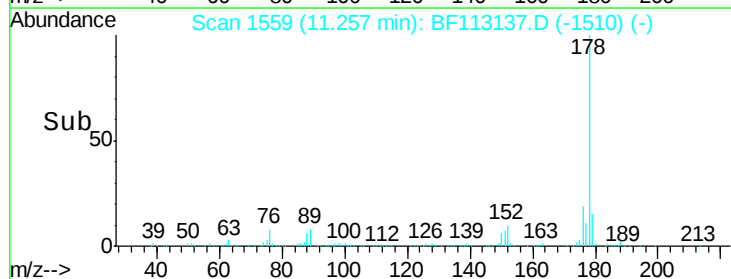
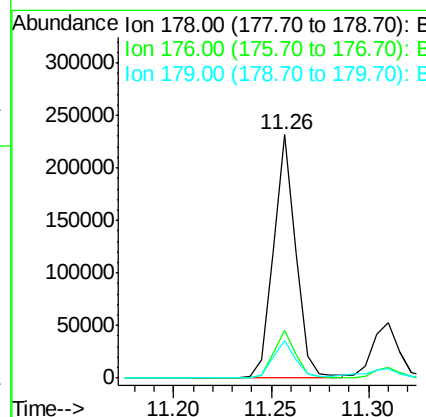
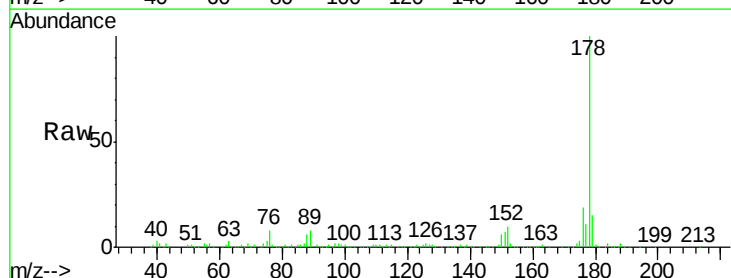
RT: 11.26 min Scan# 1559

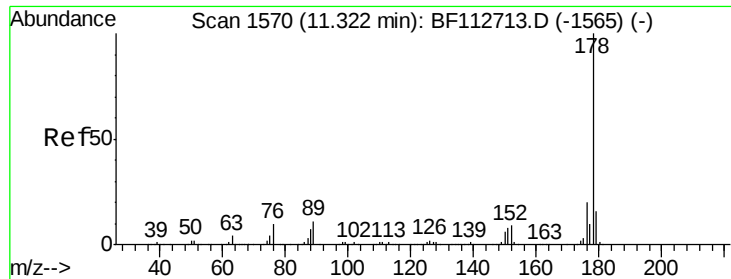
Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Tgt Ion:	178	Resp:	183692
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.3	24.5
179	15.2	12.7	19.1





#72

Anthracene

Concen: 2.368 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

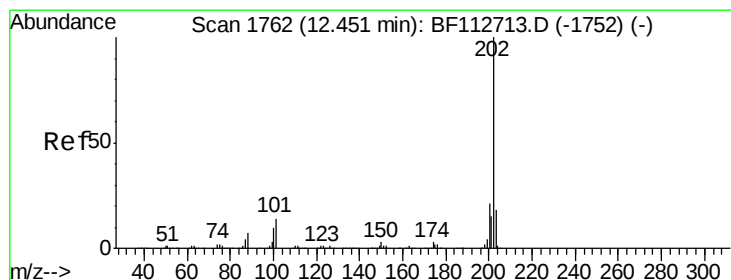
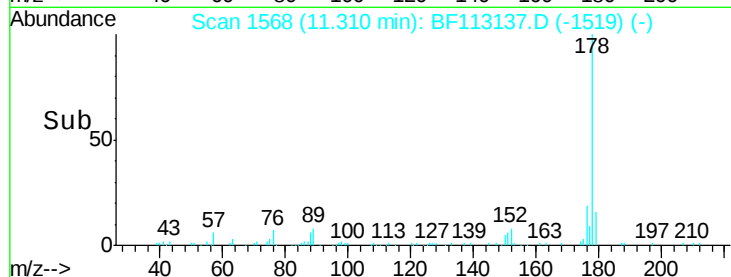
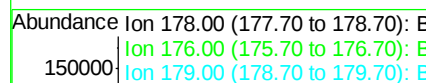
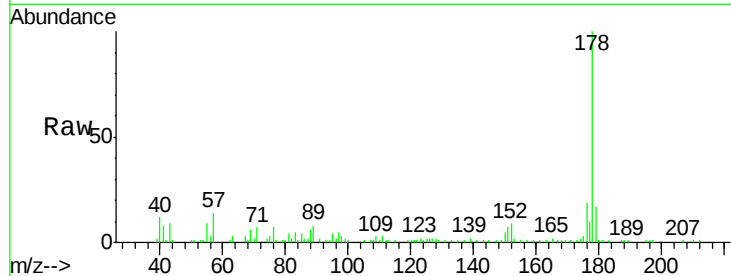
ClientSampleId :

OR-03-031819-A

Tgt Ion:	178	Resp:	46202
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.6
179	17.0	13.0	19.6

Manual Integrations
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#75

Fluoranthene

Concen: 11.652 ng

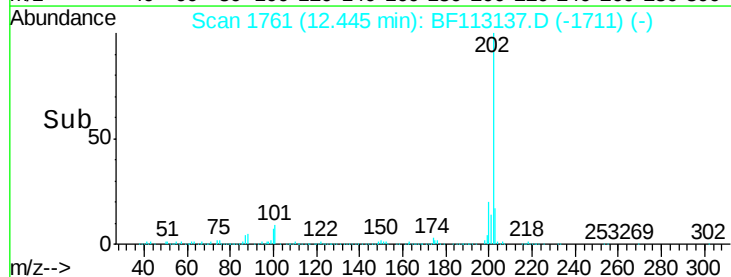
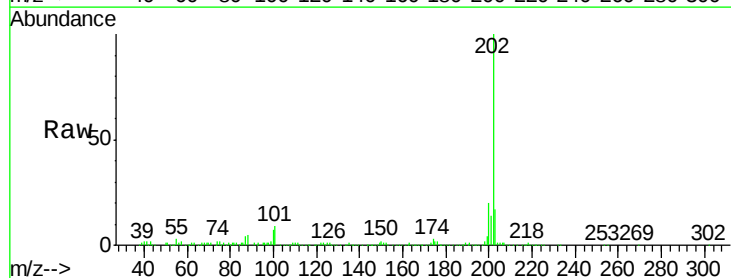
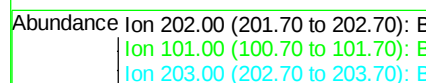
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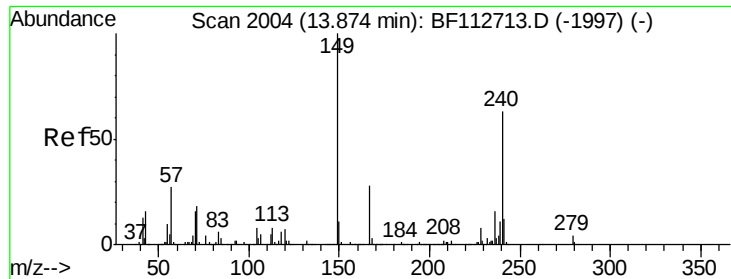
Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Tgt Ion:	202	Resp:	232704
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	33.8
203	17.5	0.0	38.4





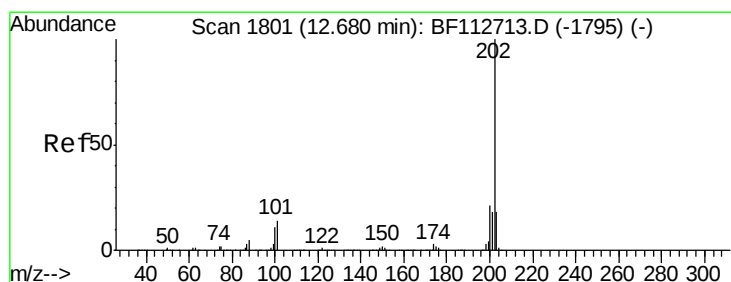
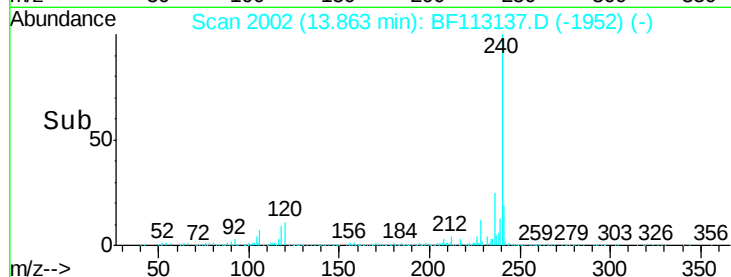
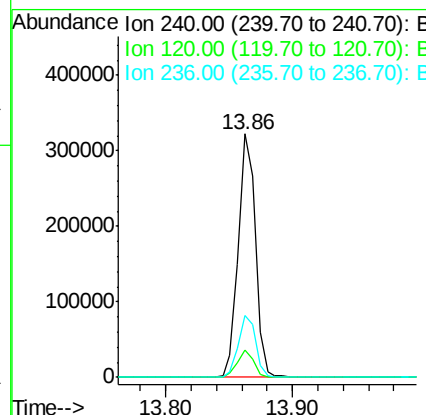
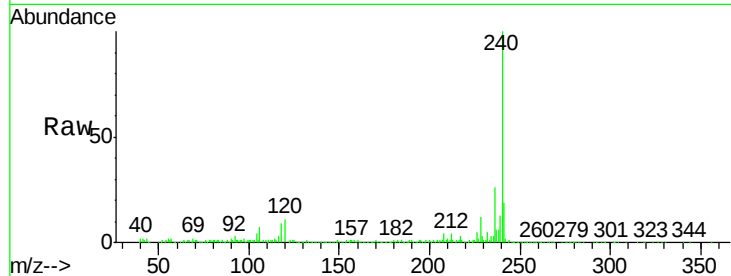
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	297351		
120	11.0	8.9	13.3	
236	25.5	20.7	31.1	

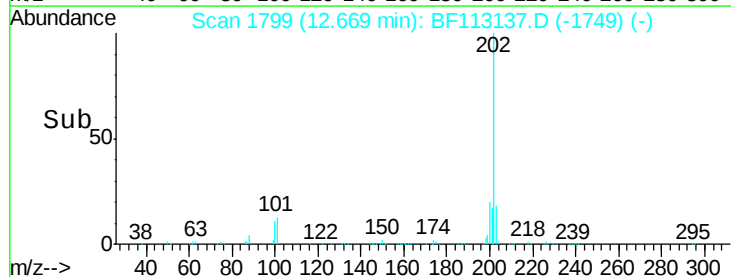
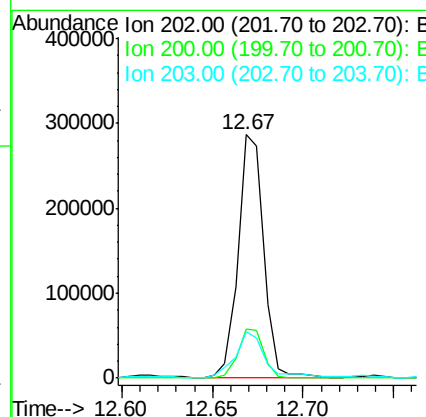
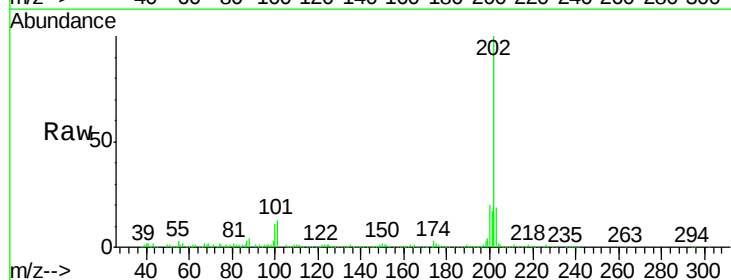
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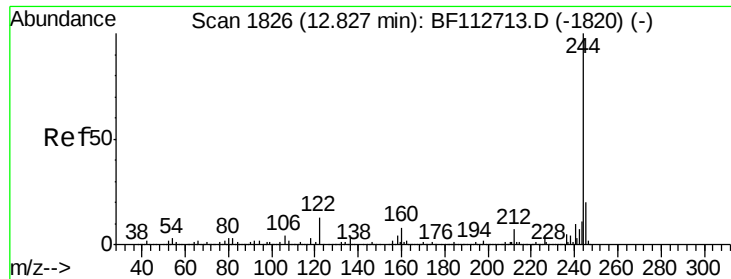
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#78
Pyrene
Concen: 11.131 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	279026		
200	20.2	17.0	25.4	
203	19.0	14.4	21.6	





#79

Terphenyl-d14

Concen: 13.990 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

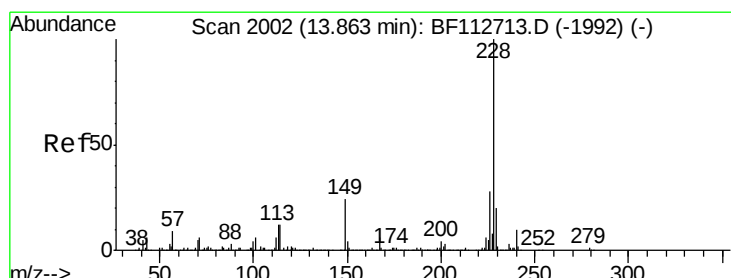
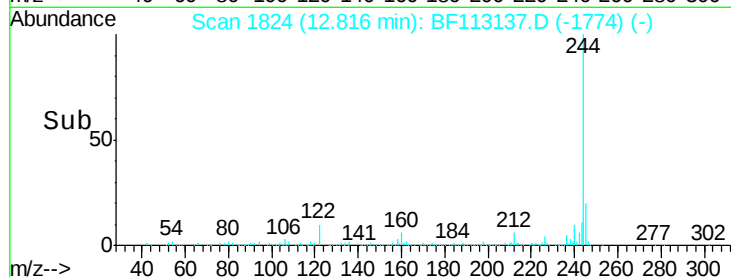
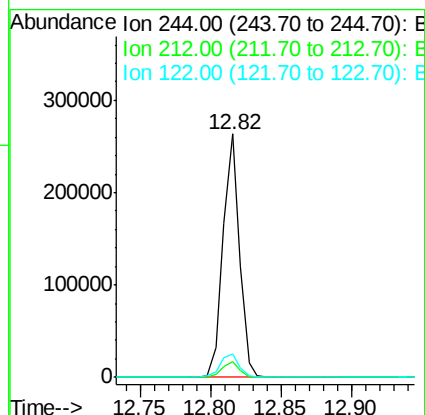
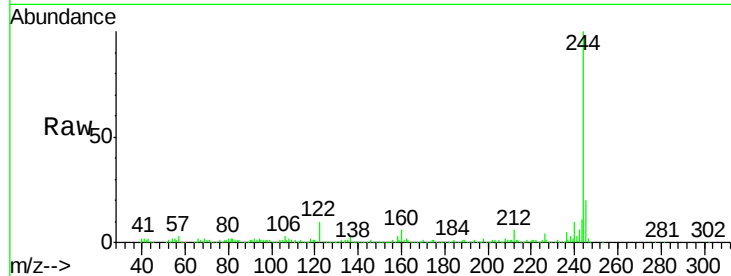
ClientSampleId :

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Tgt Ion:	244	Resp:	214589
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	9.8	10.5	15.7#

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#81

Benzo(a)anthracene

Concen: 4.933 ng

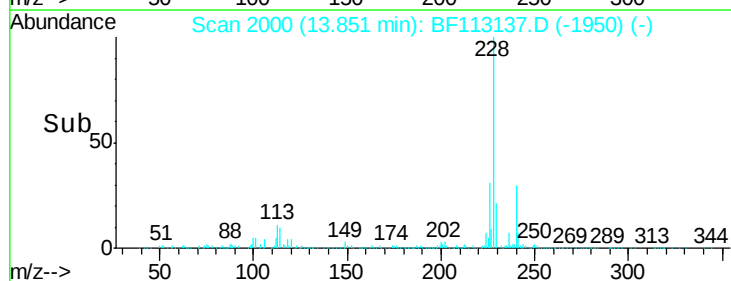
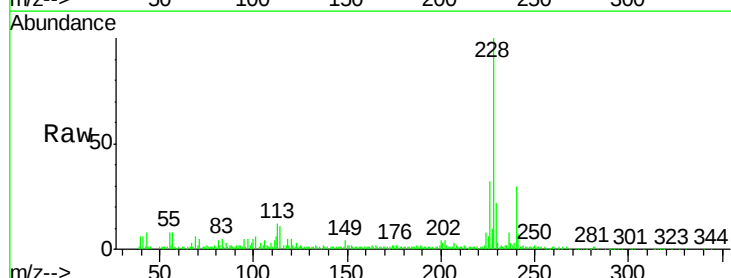
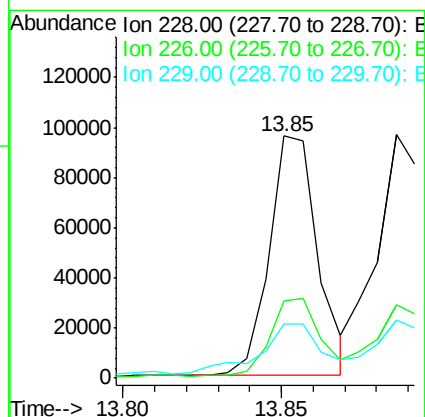
RT: 13.85 min Scan# 2000

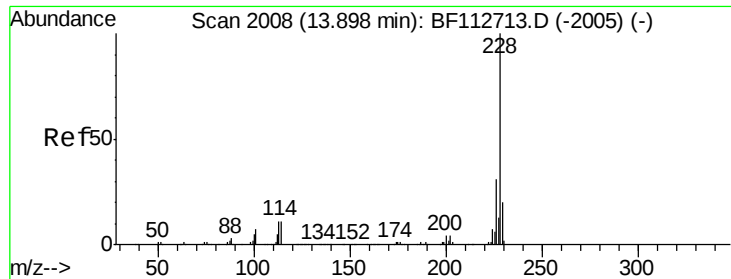
Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Tgt Ion:	228	Resp:	101659
Ion Ratio	Lower	Upper	
228	100		
226	32.2	22.2	33.4
229	22.2	16.0	24.0





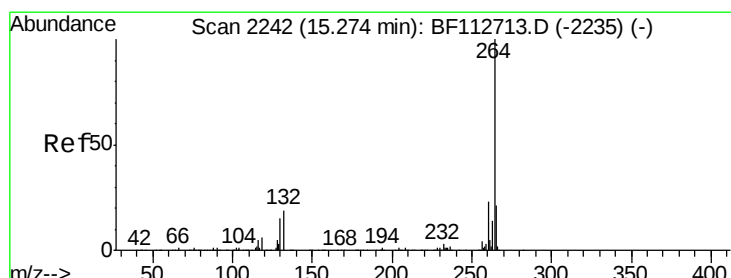
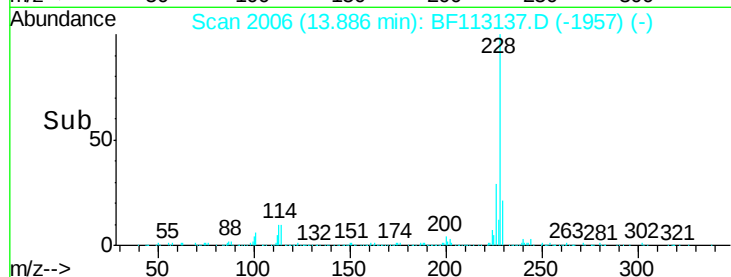
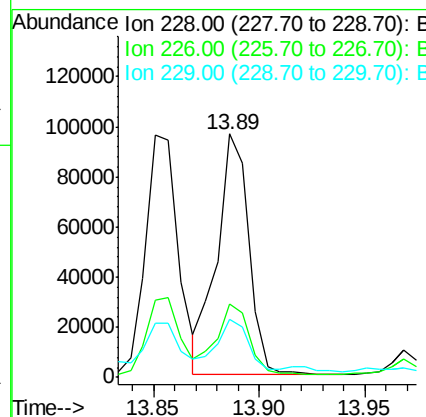
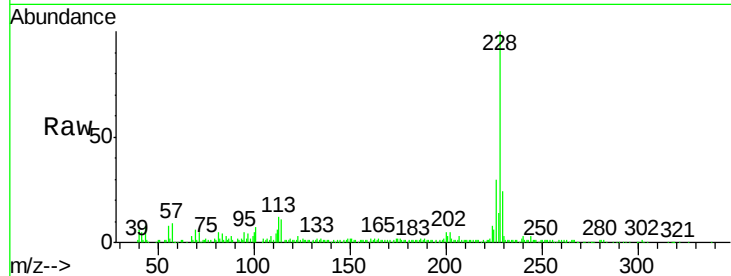
#83
Chrysene
Concen: 5.017 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	101281		
226	30.1	24.9	37.3	
229	23.6	16.3	24.5	

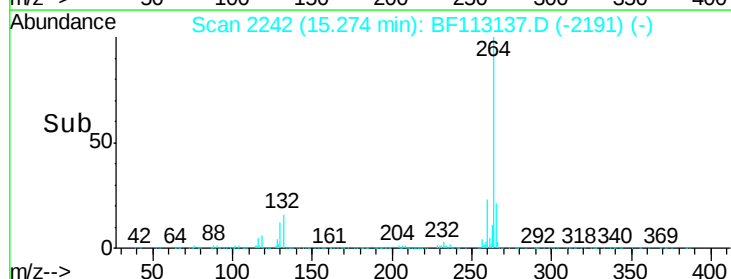
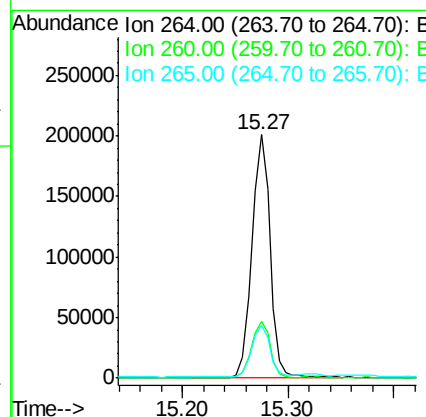
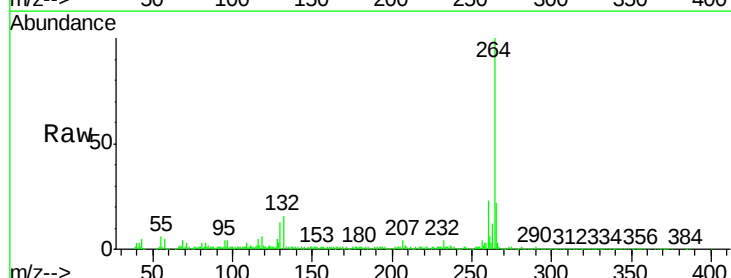
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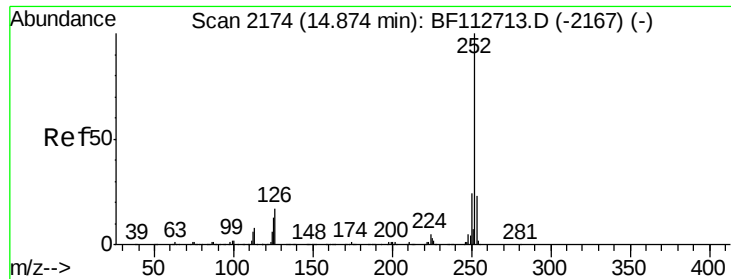
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	240074		
260	23.5	18.7	28.1	
265	21.6	17.2	25.8	





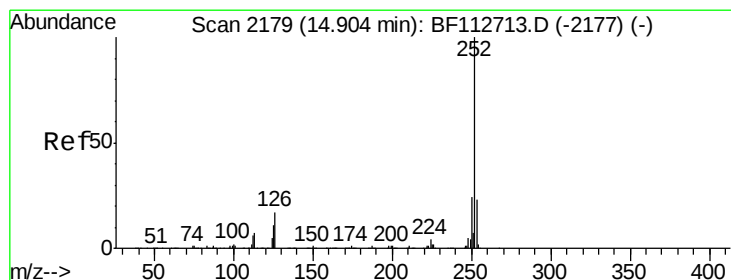
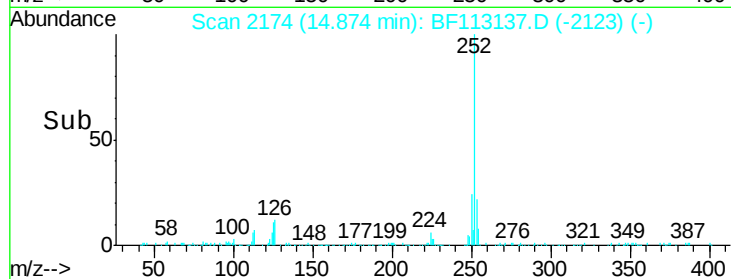
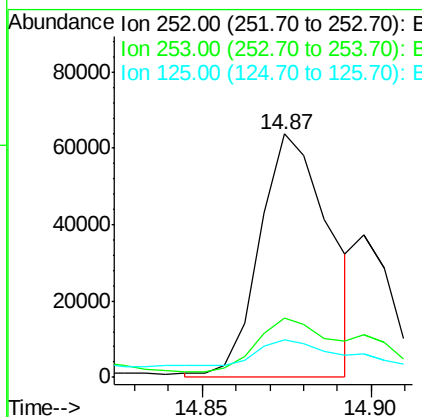
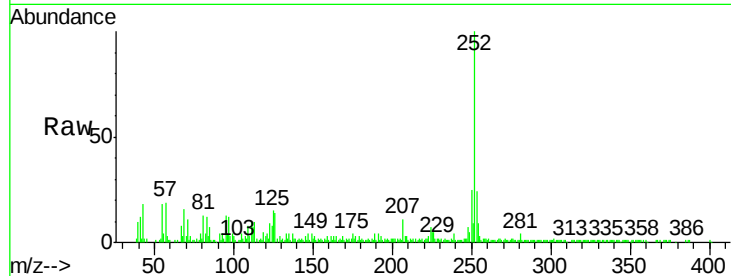
#88
Benzo(b)fluoranthene
Concen: 5.840 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	15.4	10.2	15.2#

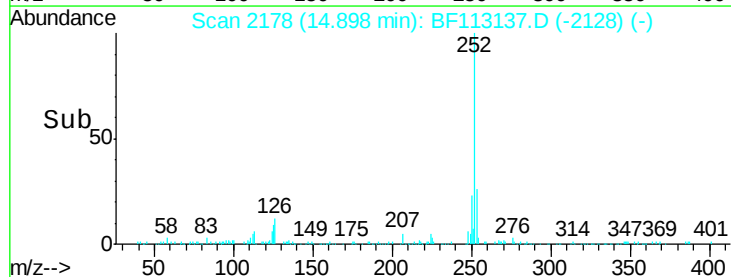
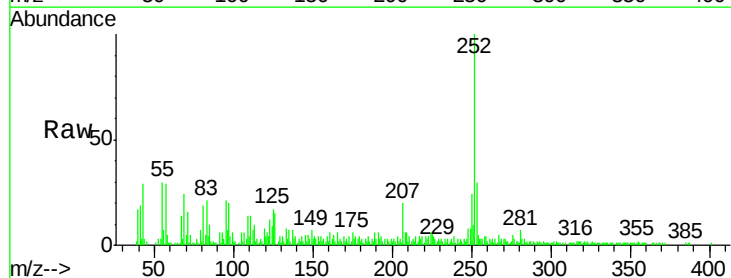
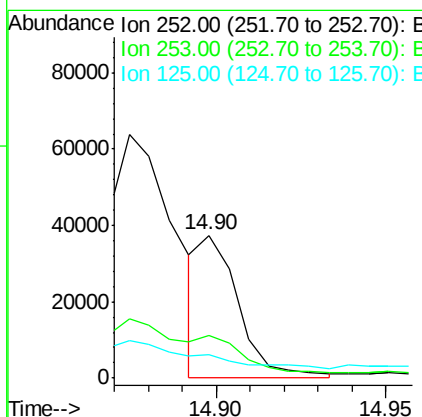
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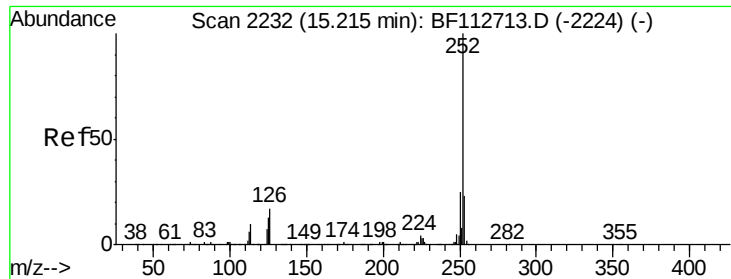
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#89
Benzo(k)fluoranthene
Concen: 2.120 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.2	27.2#
125	16.7	9.8	14.6#





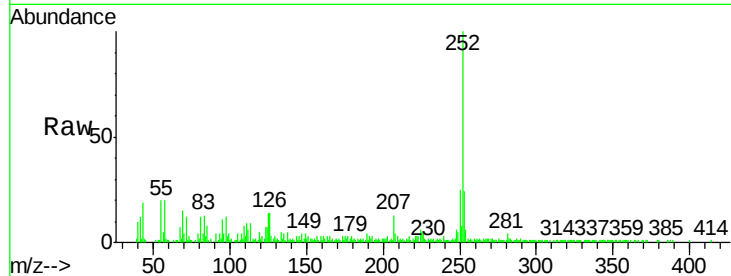
#90
Benzo(a)pyrene
Concen: 4.888 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

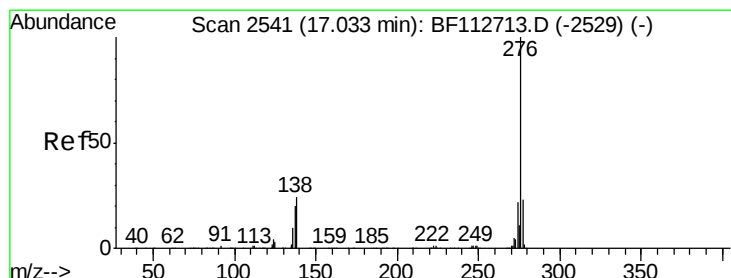
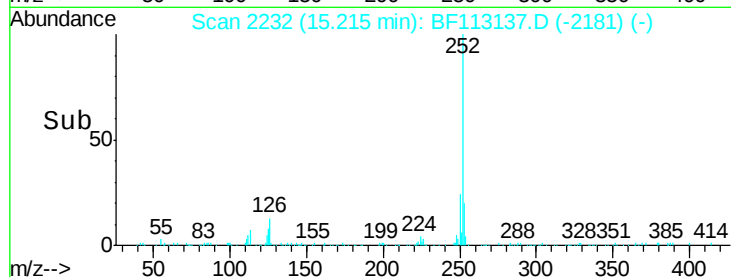
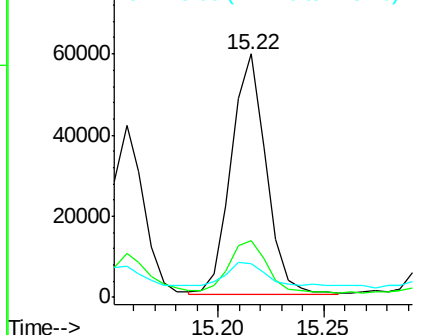
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.6	10.7	16.1

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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



#92
Benzo(g,h,i)perylene
Concen: 2.685 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	22.4	19.4	29.0

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

