

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113131.D
 Acq On : 19 Mar 2019 17:50
 Operator : JU/SJ
 Sample : K1951-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-A

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Quant Time: Mar 20 02:18:18 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	181384	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	634965	20.00	ng	-0.01
39) Acenaphthene-d10	9.75	164	291268	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	450305	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	283060	20.00	ng	0.00
87) Perylene-d12	15.27	264	239679	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1104142	94.69	ng	0.00
7) Phenol-d6	6.37	99	1428923	97.55	ng	0.00
23) Nitrobenzene-d5	7.29	82	885096	83.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	337242	109.06	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1420148	79.38	ng	-0.01
79) Terphenyl-d14	12.82	244	909582	62.29	ng	0.00

Target Compounds

						Qvalue
37) 2-Methylnaphthalene	8.72	142	68952	3.387	ng	98
38) 1-Methylnaphthalene	8.82	142	65060	3.299	ng	97
50) Dimethylphthalate	9.47	163	123675	5.759	ng	99
52) Acenaphthene	9.79	154	48515	2.634	ng	96
55) Dibenzofuran	9.96	168	61117	2.283	ng	# 92
58) Fluorene	10.30	166	108754	5.725	ng	99
71) Phenanthrene	11.26	178	577905	25.794	ng	99
72) Anthracene	11.31	178	147295	6.281	ng	97
75) Fluoranthene	12.44	202	484158	20.170	ng	96
78) Pyrene	12.67	202	436331	18.285	ng	98
81) Benzo(a)anthracene	13.85	228	208444	10.625	ng	98
83) Chrysene	13.89	228	177992	9.263	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	69627	4.250	ng	# 89
88) Benzo(b)fluoranthene	14.87	252	204033m	13.161	ng	
89) Benzo(k)fluoranthene	14.90	252	57250m	4.077	ng	
90) Benzo(a)pyrene	15.22	252	137205	10.006	ng	97
92) Benzo(g,h,i)perylene	17.04	276	62416	5.312	ng	96

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

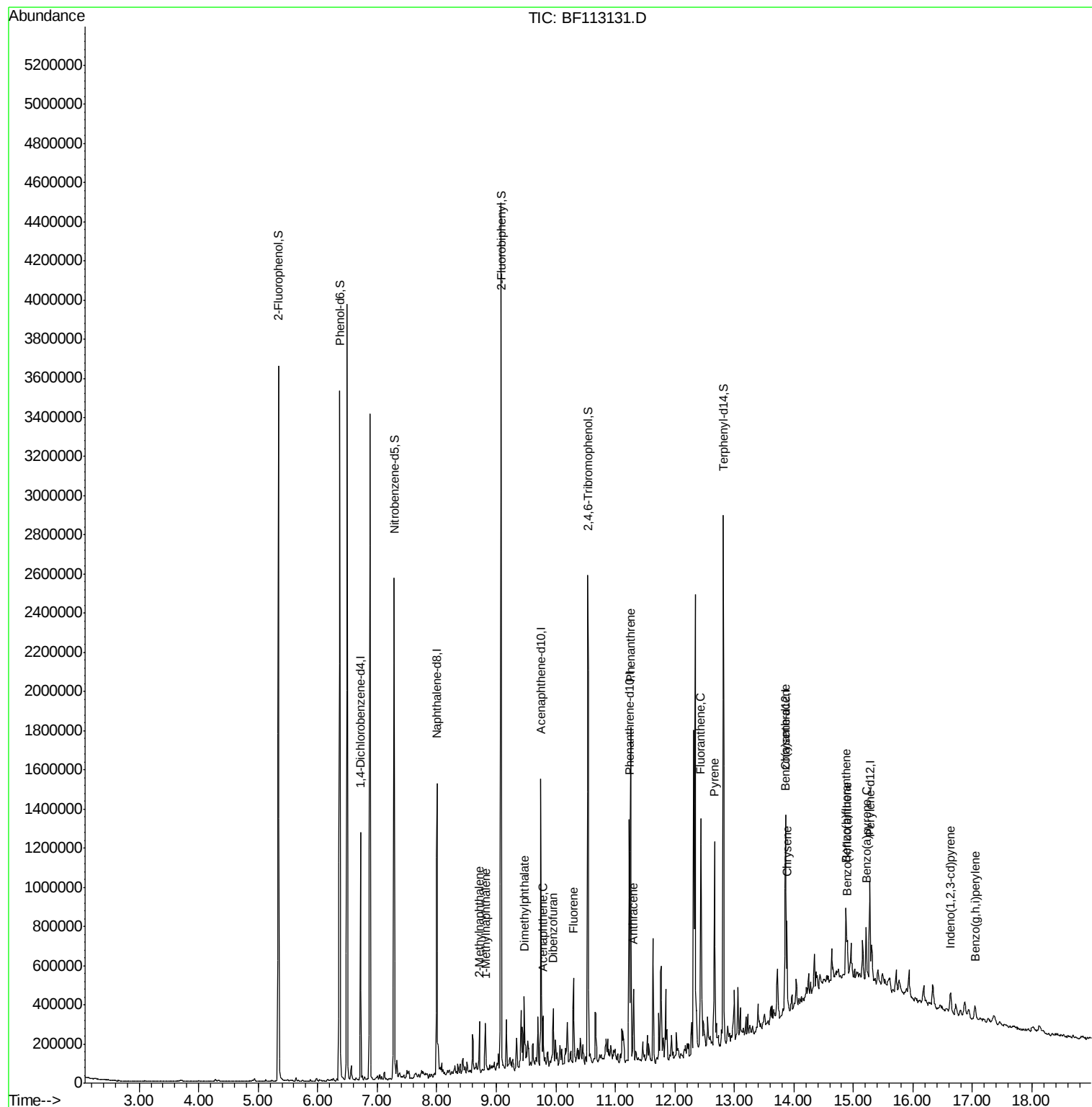
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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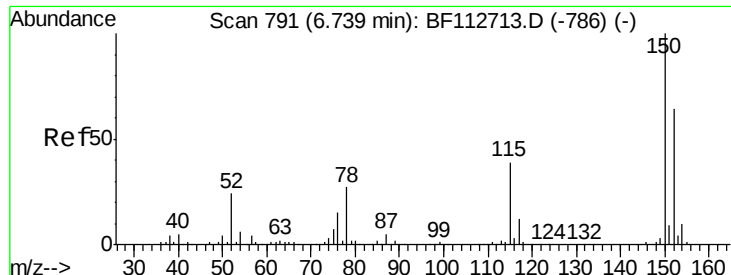
Instrument :
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FK-GF-03-006-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

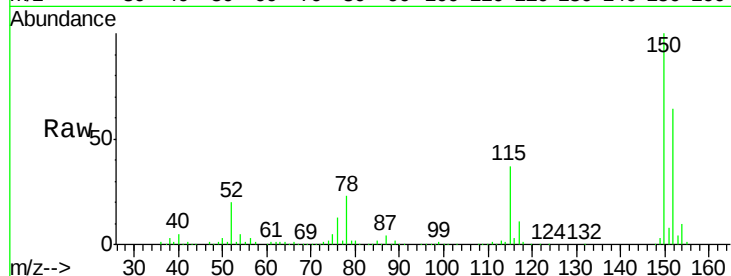
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

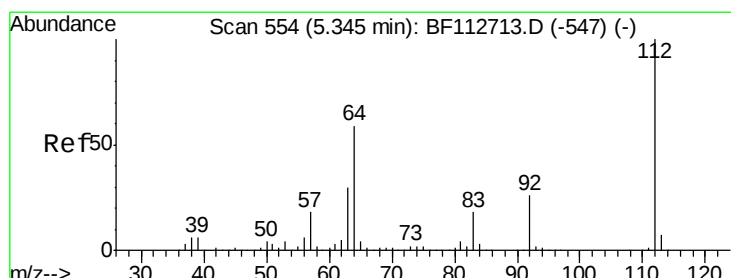
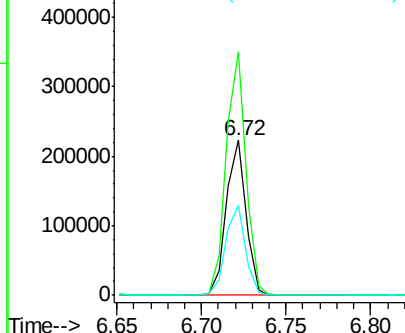
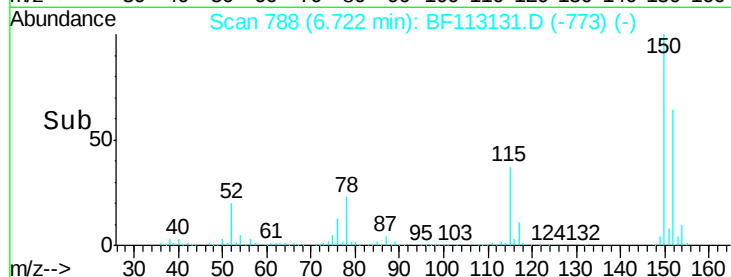
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.2	186.2
115	57.6	48.2	72.4

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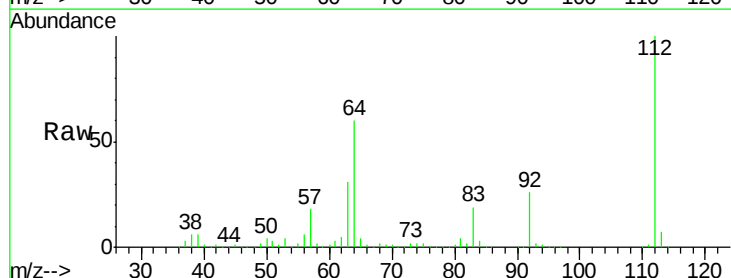
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



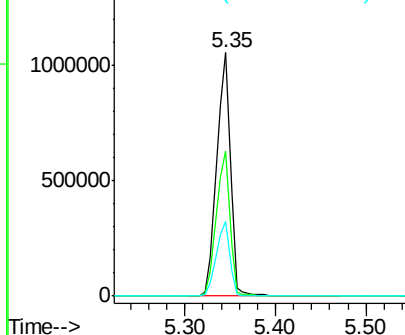
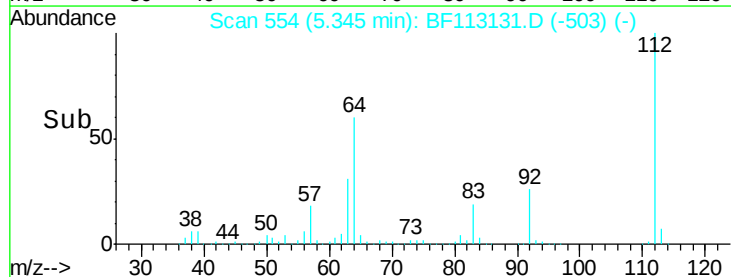
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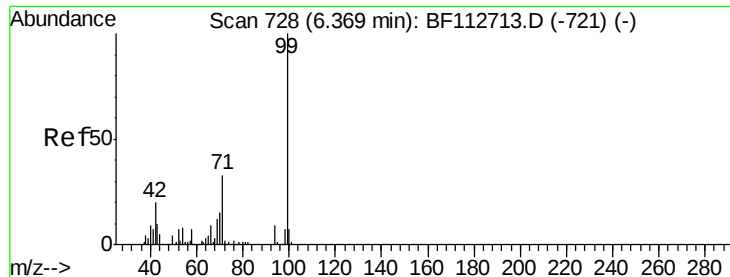
2-Fluorophenol
Concen: 94.691 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.6	71.4
63	30.9	24.4	36.6



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: 97.554 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-006-A

Tgt Ion: 99 Resp: 1428923

Ion Ratio Lower Upper

99 100

42 18.8 16.3 24.5

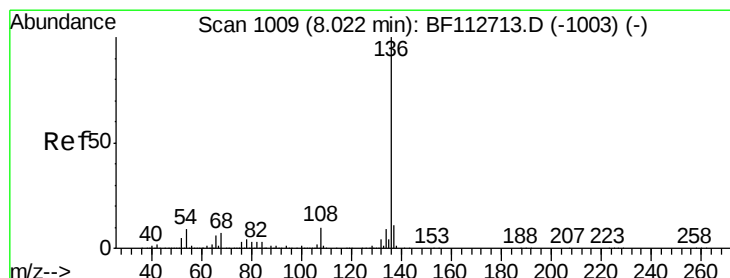
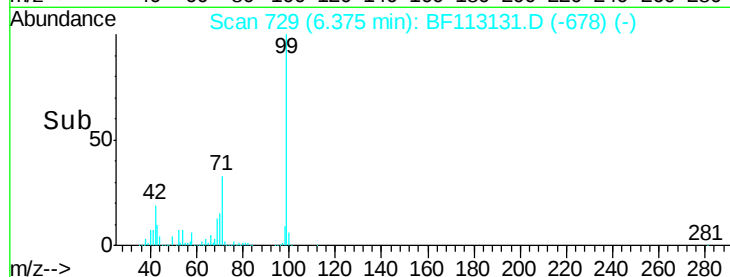
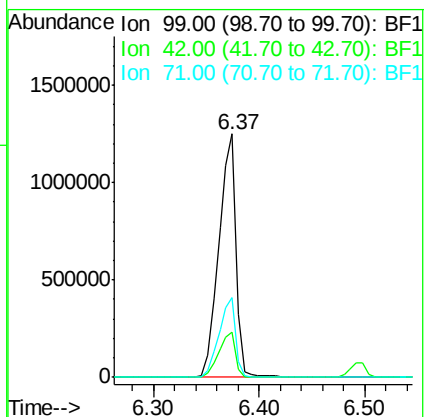
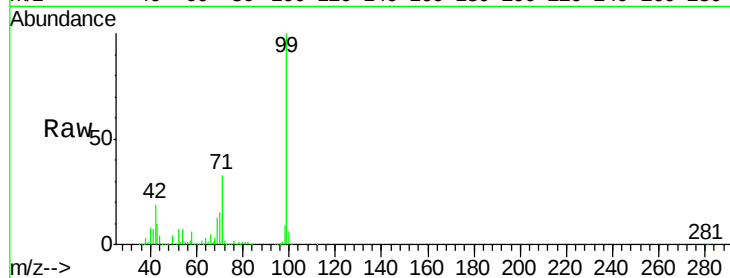
71 32.9 26.2 39.4

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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: BF113131.D

Acq: 19 Mar 2019 17:50

Tgt Ion: 136 Resp: 634965

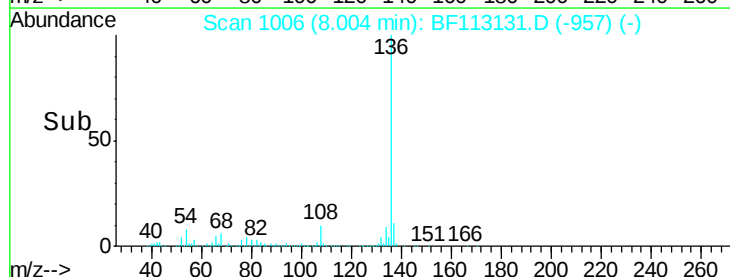
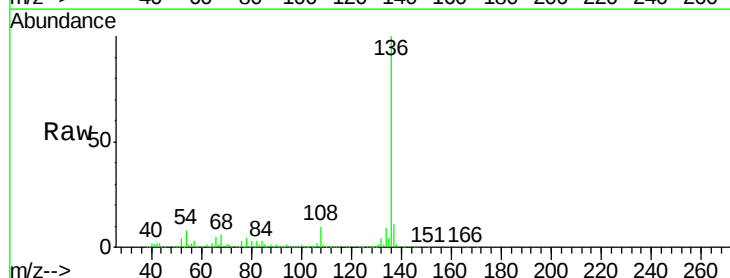
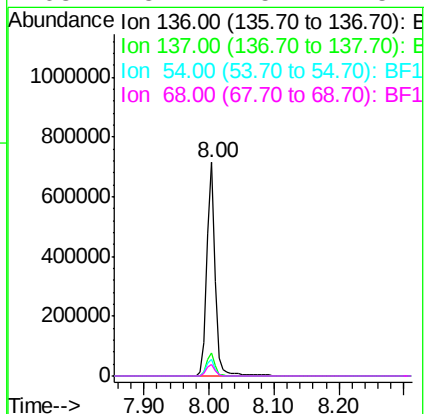
Ion Ratio Lower Upper

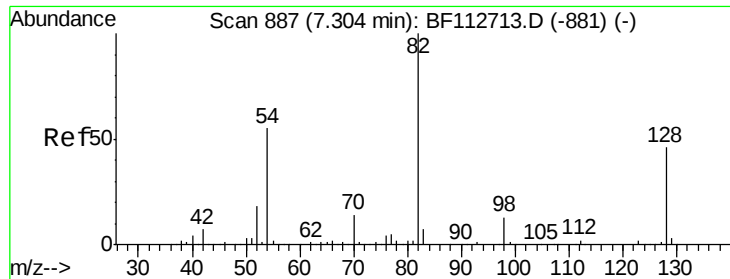
136 100

137 11.1 8.9 13.3

54 8.0 7.3 10.9

68 5.7 5.4 8.2





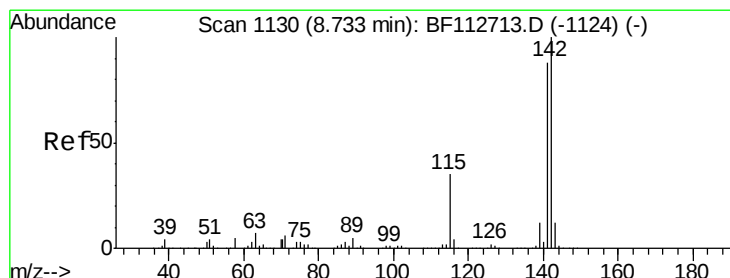
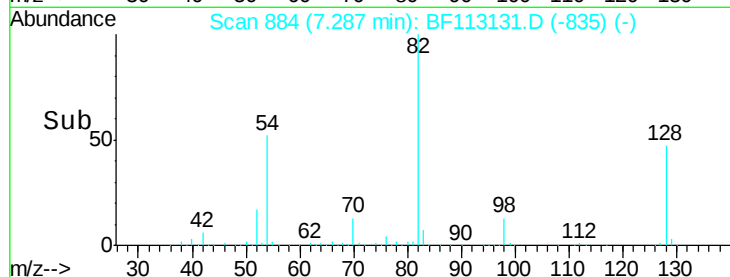
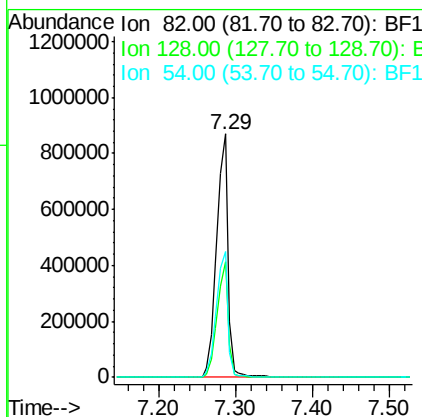
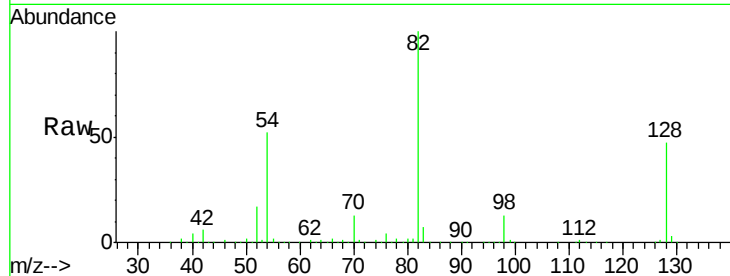
#23
 Nitrobenzene-d5
 Concen: 83.410 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113131.D
 Acq: 19 Mar 2019 17:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	885096		
128	47.3	36.3	54.5	
54	51.7	43.7	65.5	

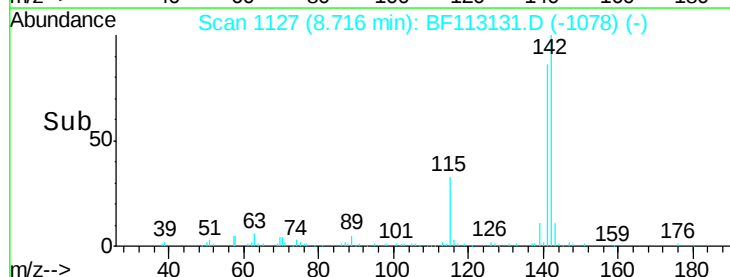
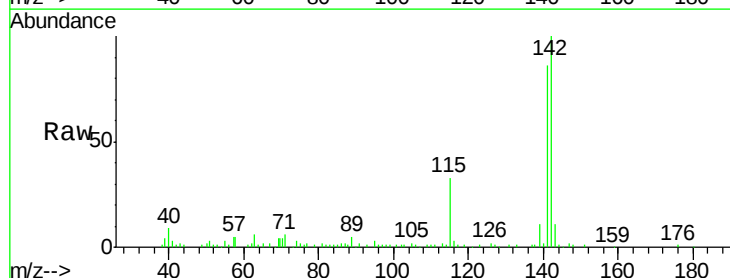
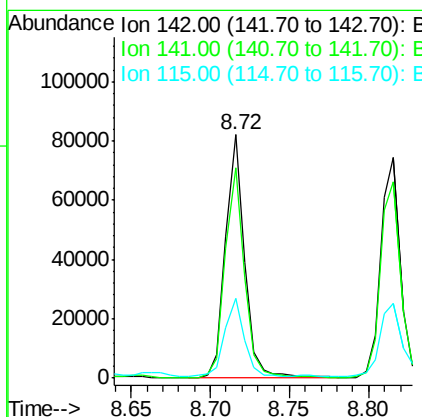
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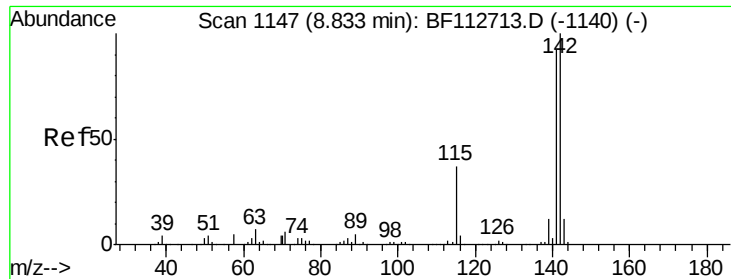
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#37
 2-Methylnaphthalene
 Concen: 3.387 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF113131.D
 Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	68952		
141	86.2	70.3	105.5	
115	33.0	27.8	41.6	





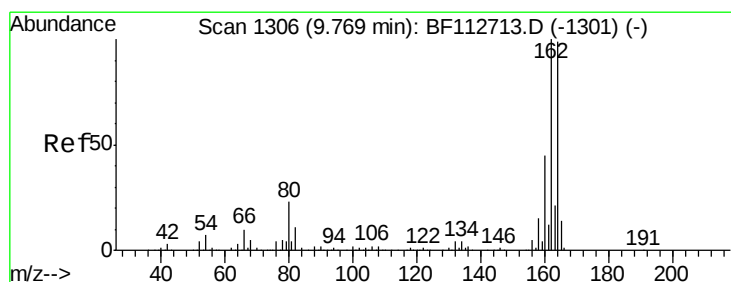
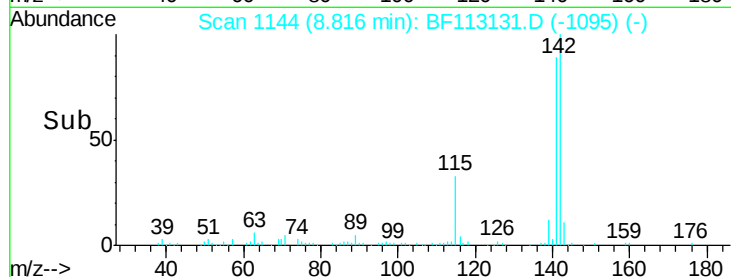
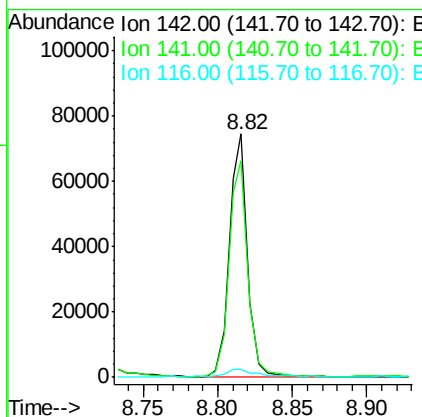
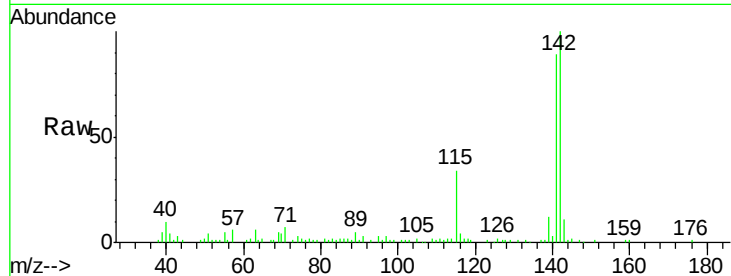
#38
1-Methylnaphthalene
Concen: 3.299 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	65060		
141	89.0	73.7	110.5	
116	3.5	3.1	4.7	

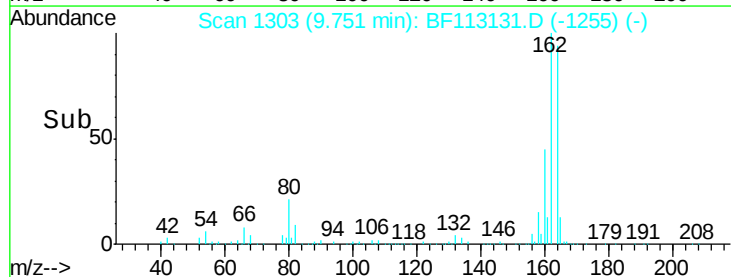
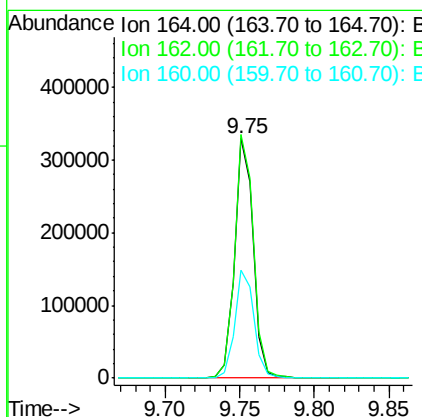
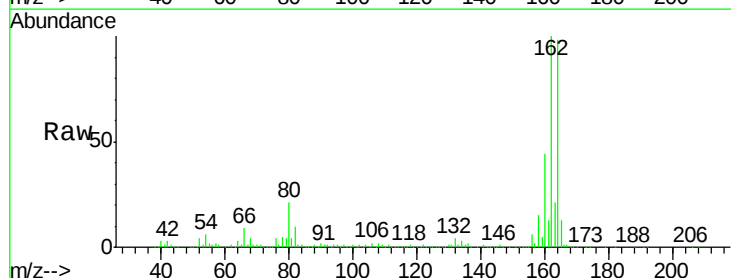
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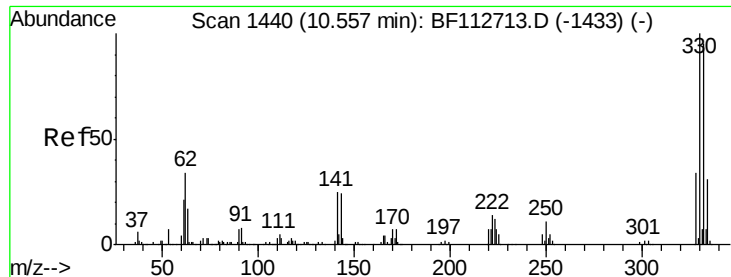
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	291268		
162	101.7	80.6	120.8	
160	45.1	36.0	54.0	





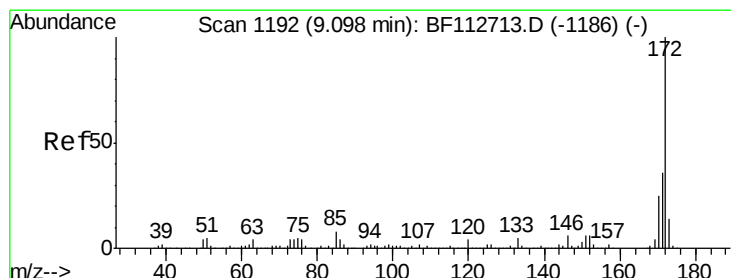
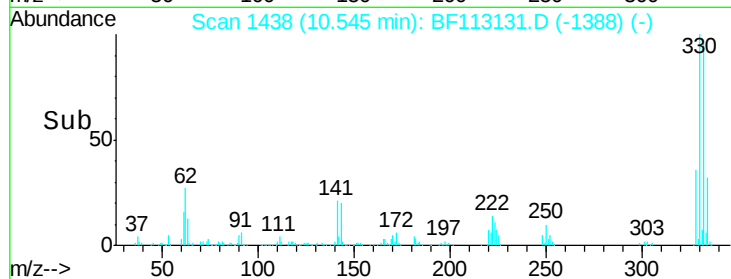
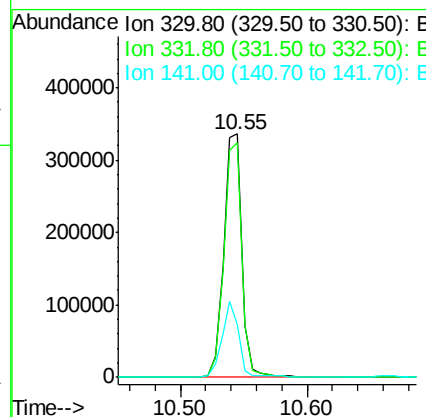
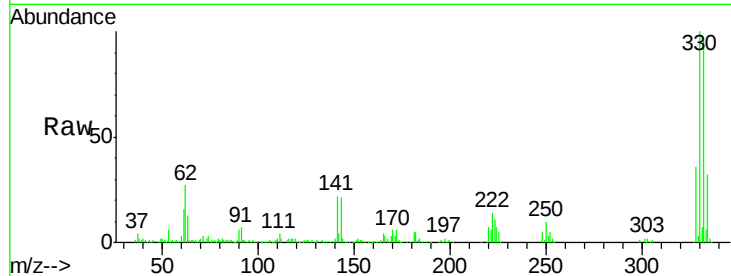
#42
 2,4,6-Tribromophenol
 Concen: 109.063 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113131.D
 Acq: 19 Mar 2019 17:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	28.3	27.0	40.6

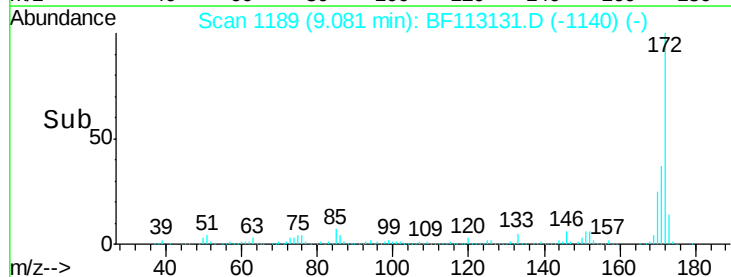
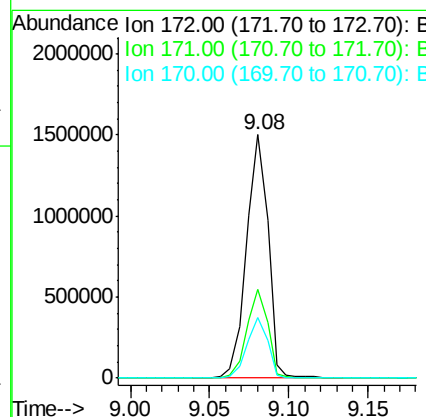
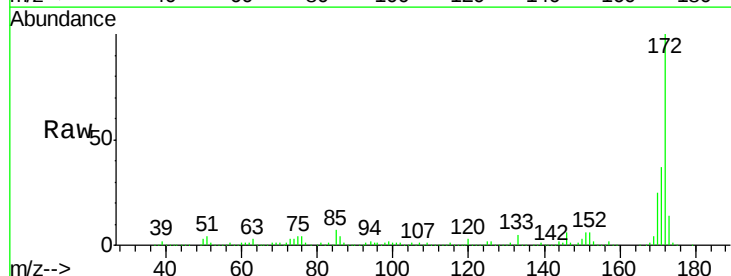
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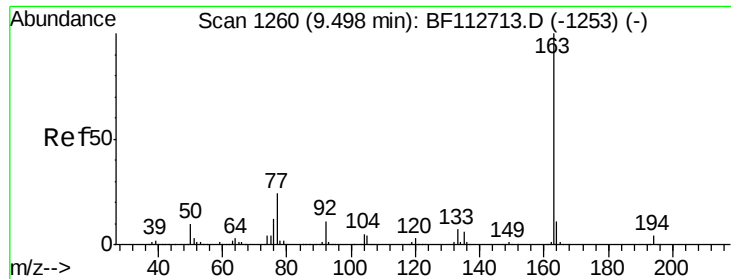
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#45
 2-Fluorobiphenyl
 Concen: 79.384 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113131.D
 Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.8	20.0	30.0





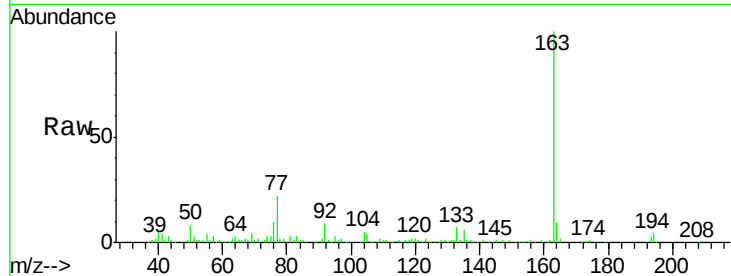
#50
Dimethylphthalate
Concen: 5.759 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.03 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

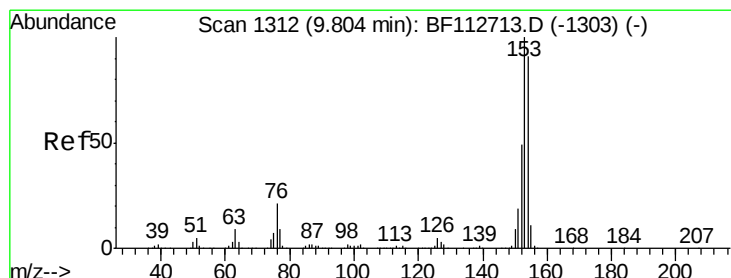
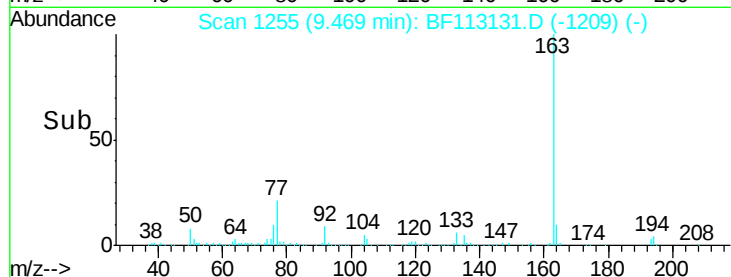
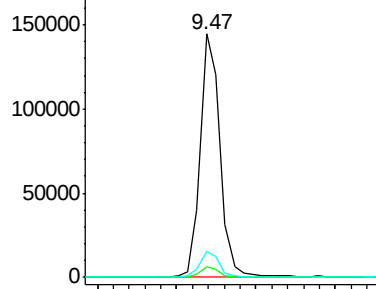
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	123675		
194	4.2	3.0	4.4	
164	10.4	8.4	12.6	

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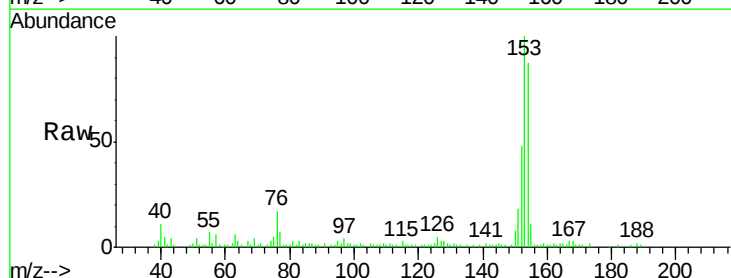


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

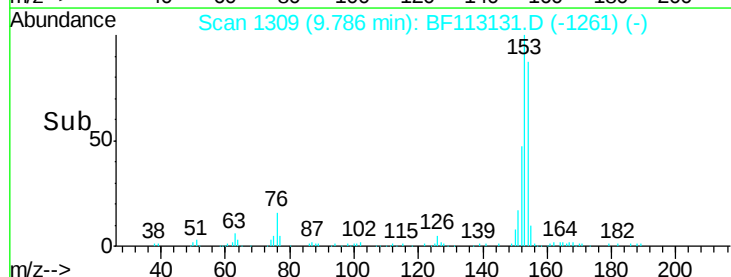
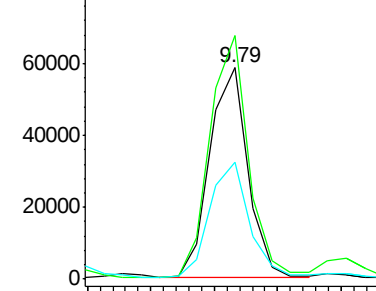


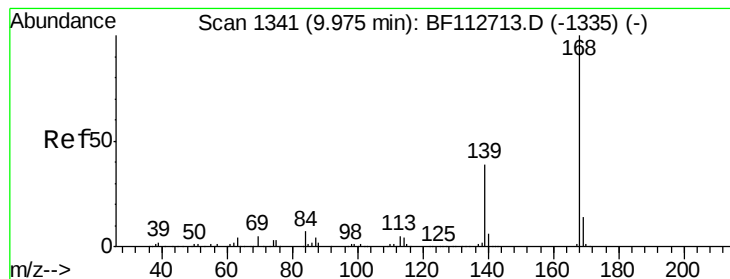
#52
Acenaphthene
Concen: 2.634 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48515		
153	115.2	87.8	131.8	
152	55.3	43.0	64.6	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 2.283 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Instrument :

BNA_F

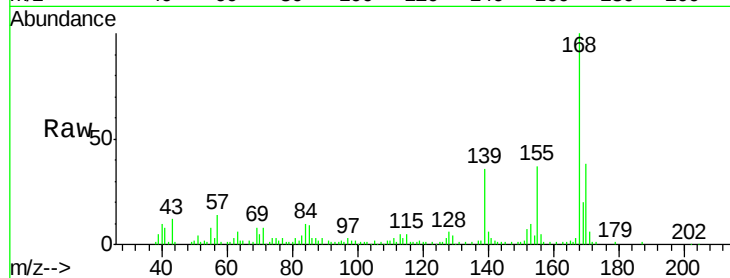
ClientSampleId :

FK-GF-03-006-A

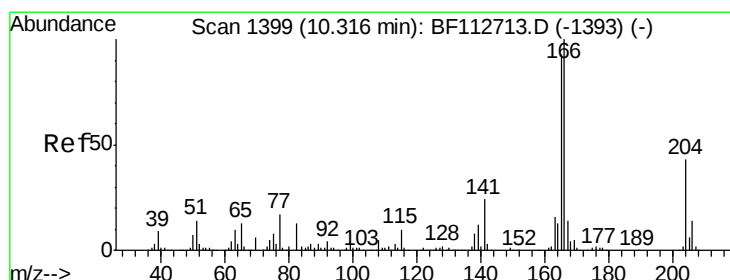
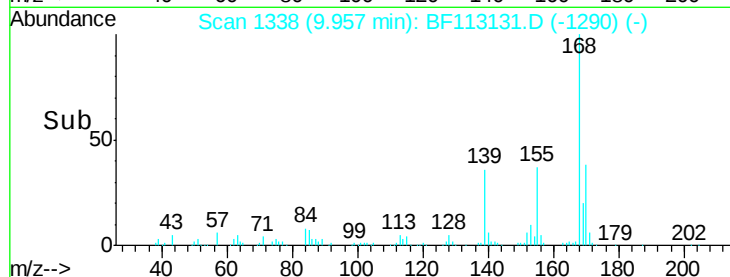
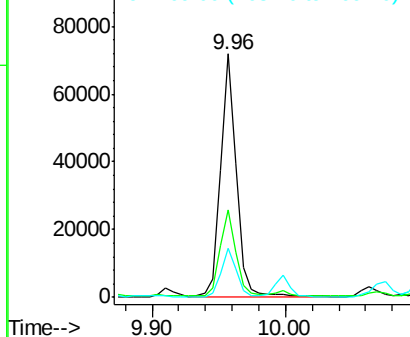
Tgt Ion:	168	Resp:	61117
Ion Ratio		Lower	Upper
168	100		
139	36.1	31.3	46.9
169	20.2	11.3	16.9#

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 5.725 ng

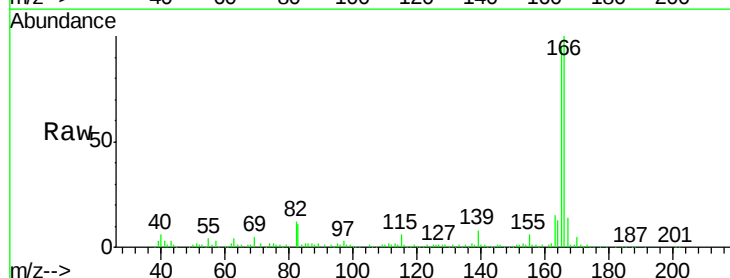
RT: 10.30 min Scan# 1396

Delta R.T. -0.02 min

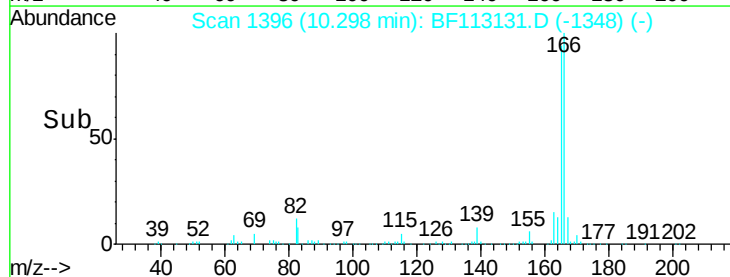
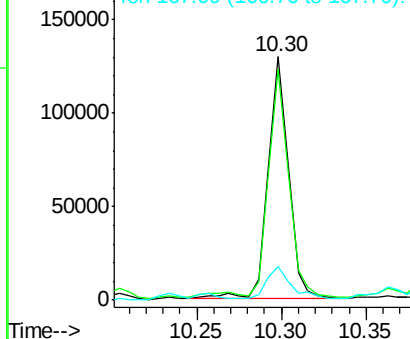
Lab File: BF113131.D

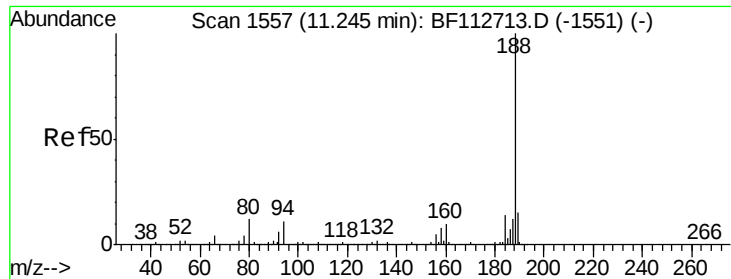
Acq: 19 Mar 2019 17:50

Tgt Ion:	166	Resp:	108754
Ion Ratio		Lower	Upper
166	100		
165	94.6	74.7	112.1
167	13.9	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Instrument :

BNA_F

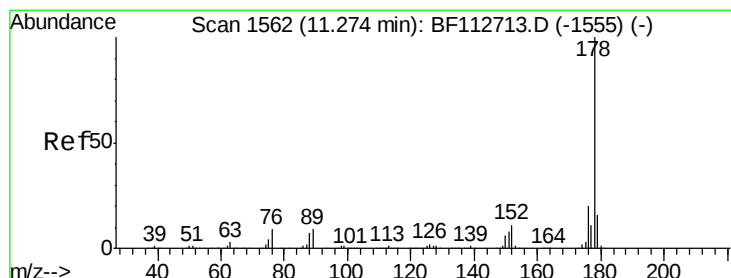
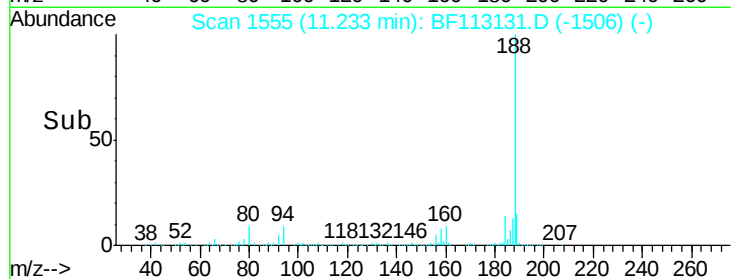
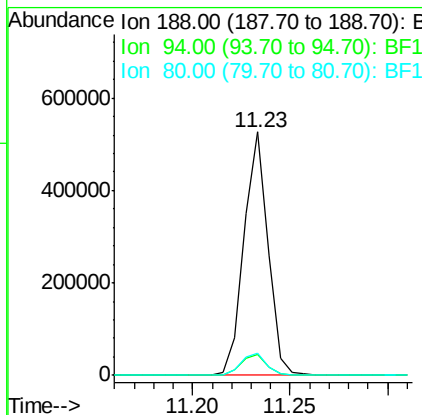
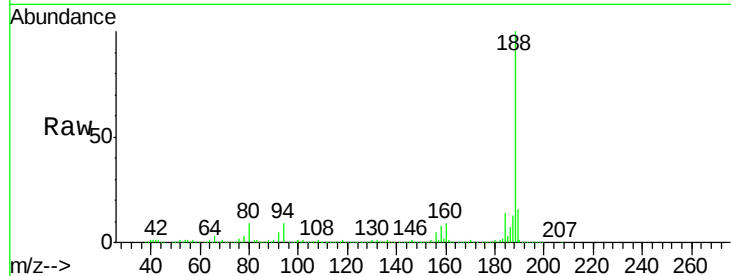
ClientSampleId :

FK-GF-03-006-A

Tgt Ion:	188	Resp:	450305
Ion Ratio		Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	9.2	9.2	13.8#

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#71

Phenanthrene

Concen: 25.794 ng

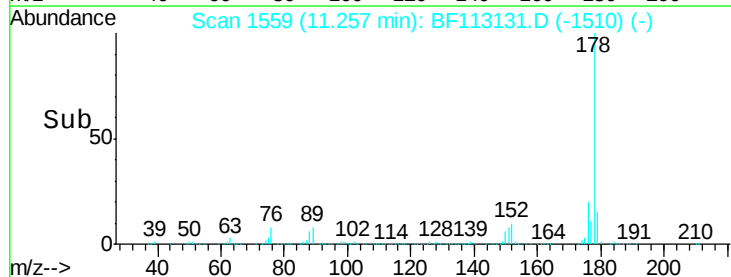
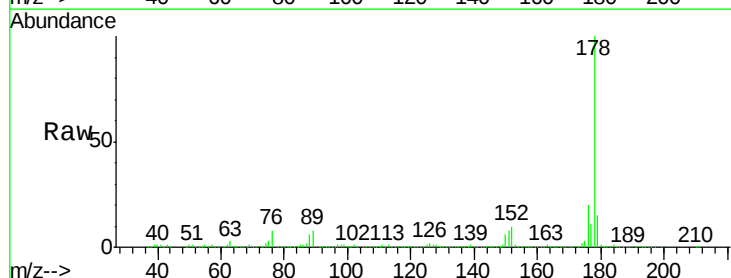
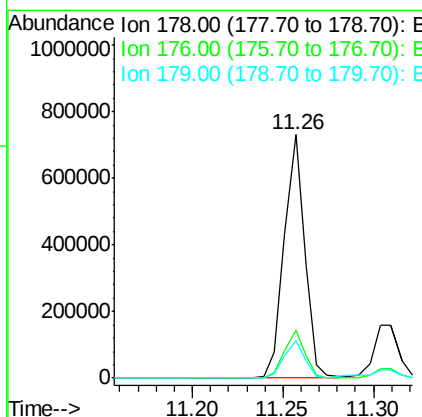
RT: 11.26 min Scan# 1559

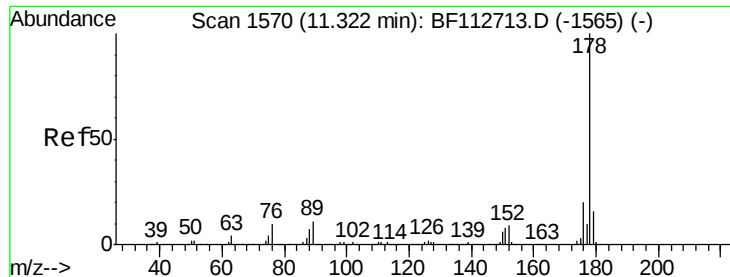
Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Tgt Ion:	178	Resp:	577905
Ion Ratio		Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.4	12.7	19.1





#72

Anthracene

Concen: 6.281 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Instrument :

BNA_F

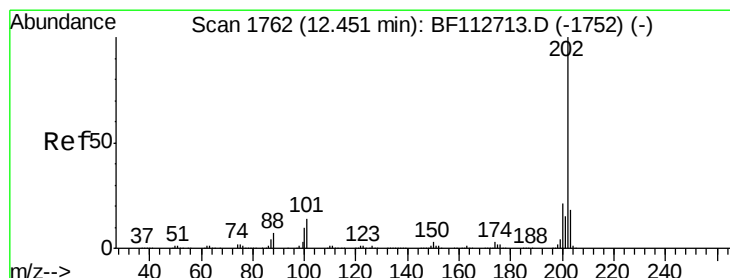
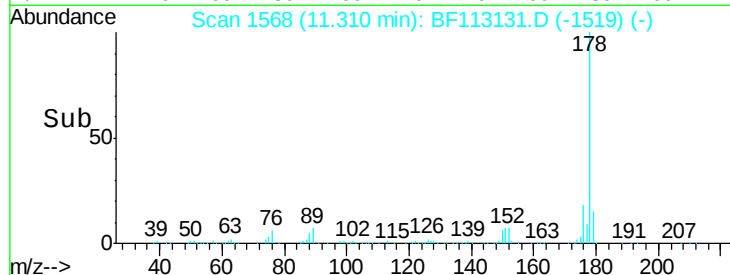
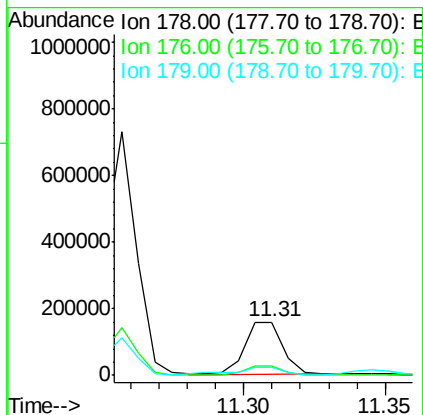
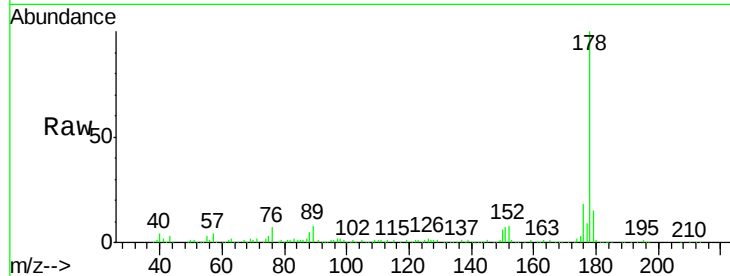
ClientSampleId :

FK-GF-03-006-A

Tgt Ion:	178	Resp:	147295
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.6
179	15.1	13.0	19.6

Manual Integrations
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#75

Fluoranthene

Concen: 20.170 ng

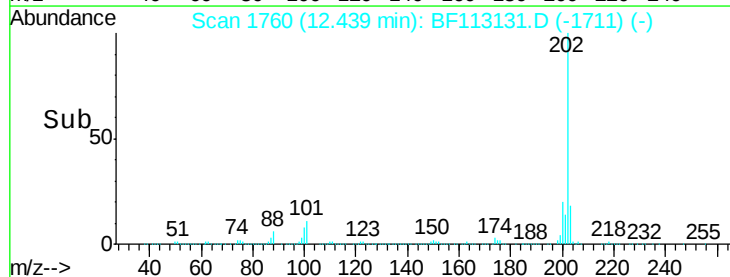
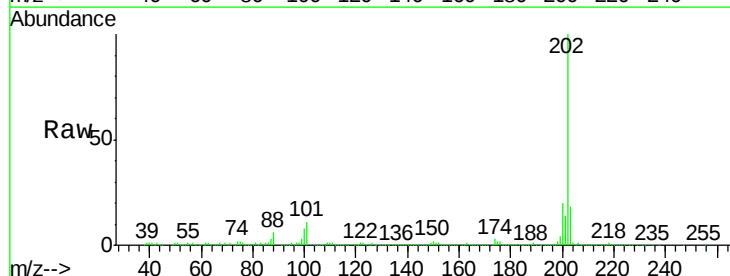
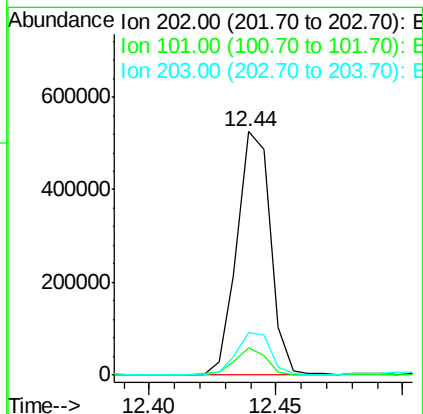
RT: 12.44 min Scan# 1760

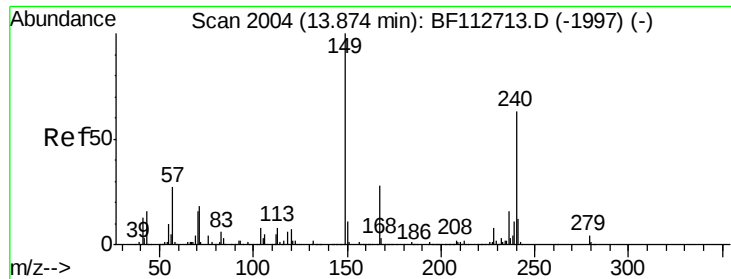
Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Tgt Ion:	202	Resp:	484158
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	33.8
203	17.7	0.0	38.4





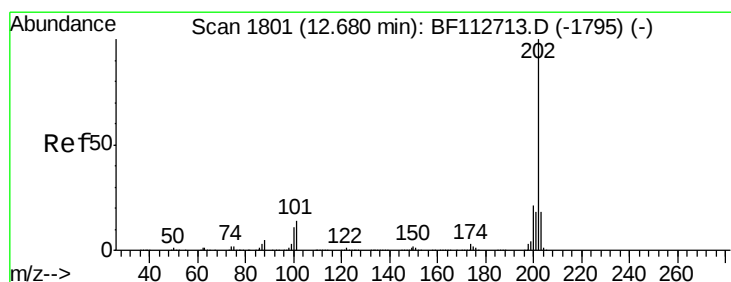
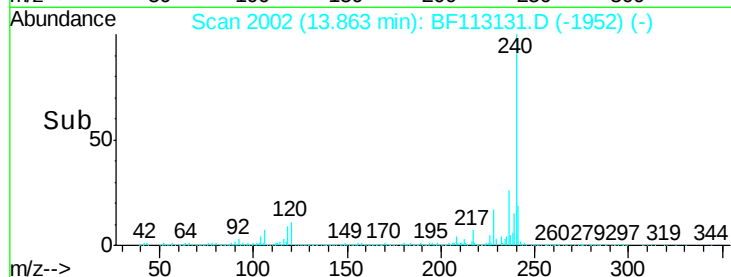
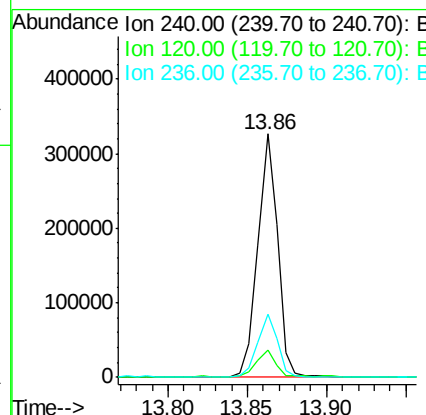
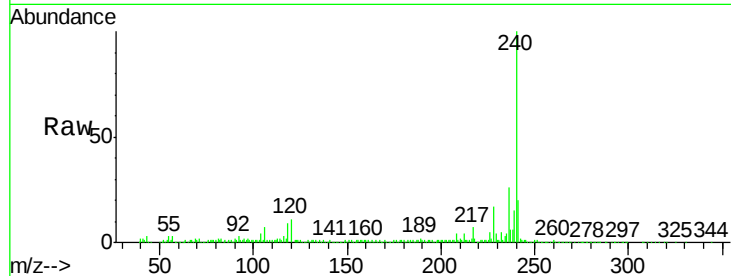
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	283060		
120	11.0	8.9	13.3	
236	26.1	20.7	31.1	

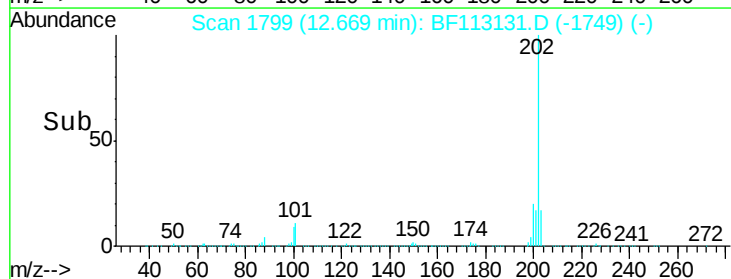
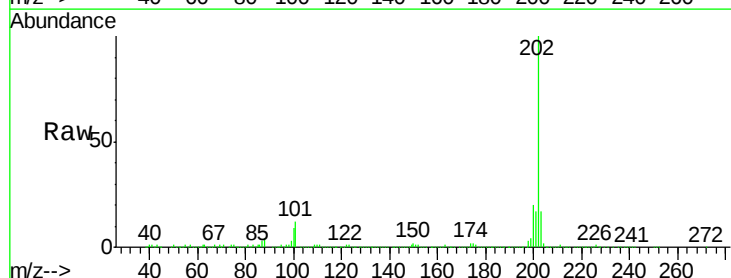
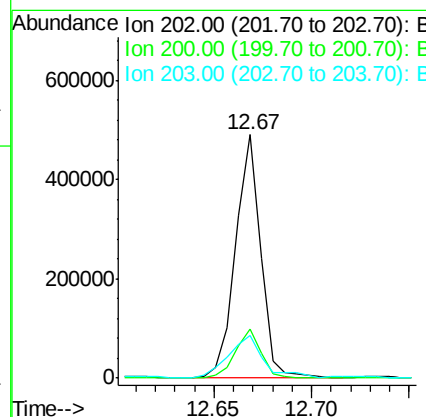
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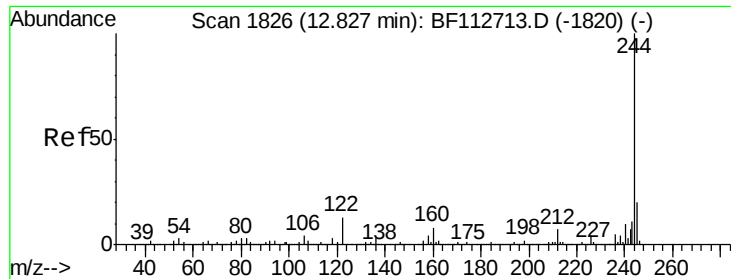
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#78
Pyrene
Concen: 18.285 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	436331		
200	20.0	17.0	25.4	
203	17.5	14.4	21.6	





#79

Terphenyl-d14

Concen: 62.291 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Instrument :

BNA_F

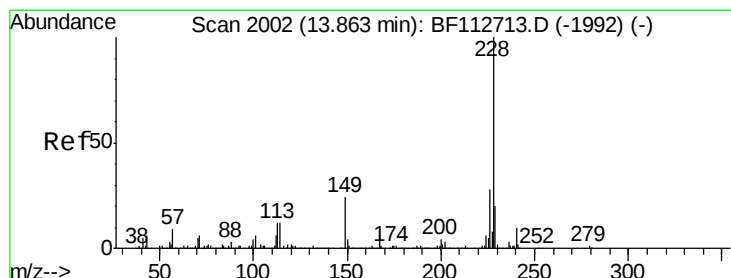
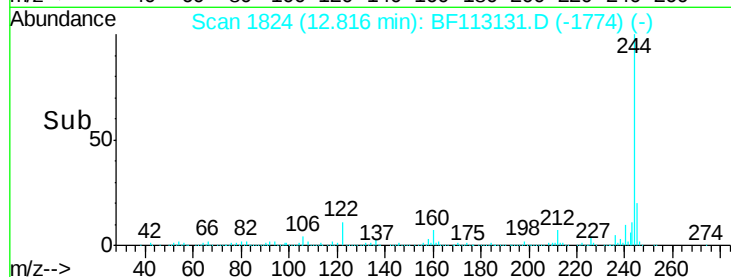
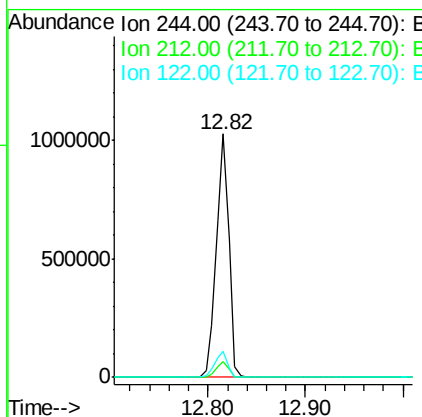
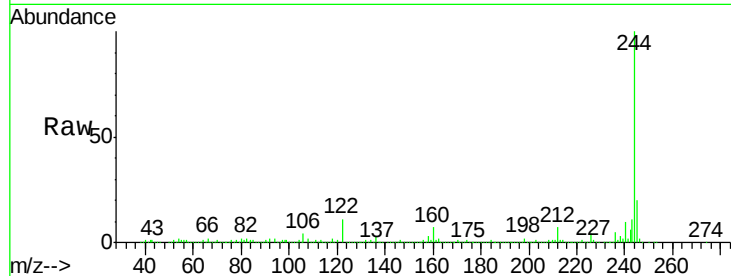
ClientSampleId :

FK-GF-03-006-A

Tgt Ion:	244	Resp:	909582
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.6	8.4
122	10.6	10.5	15.7

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#81

Benzo(a)anthracene

Concen: 10.625 ng

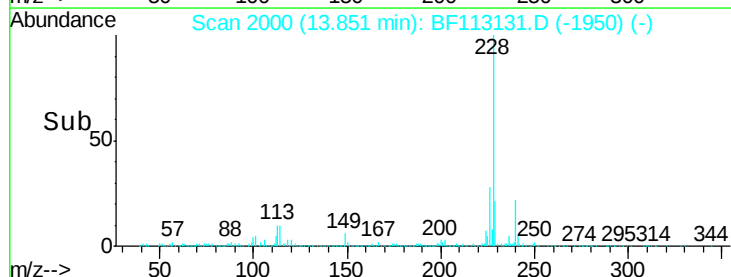
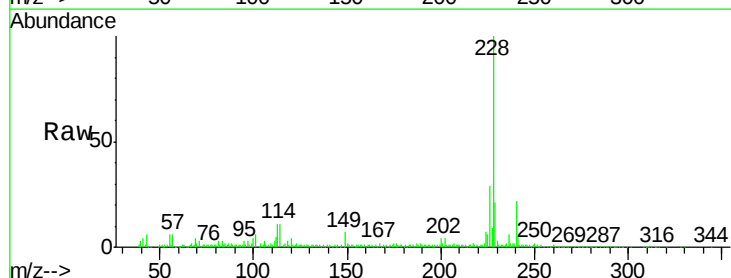
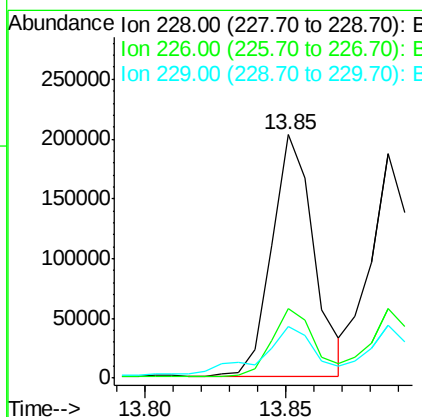
RT: 13.85 min Scan# 2000

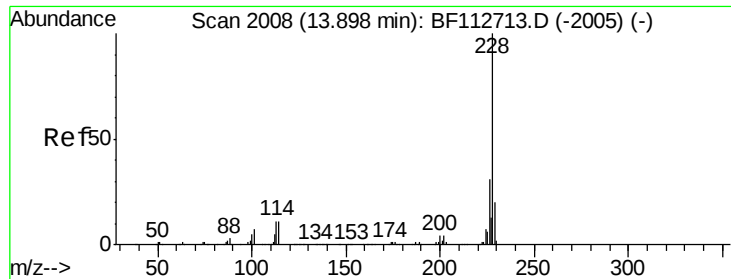
Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Tgt Ion:	228	Resp:	208444
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.2	33.4
229	21.5	16.0	24.0





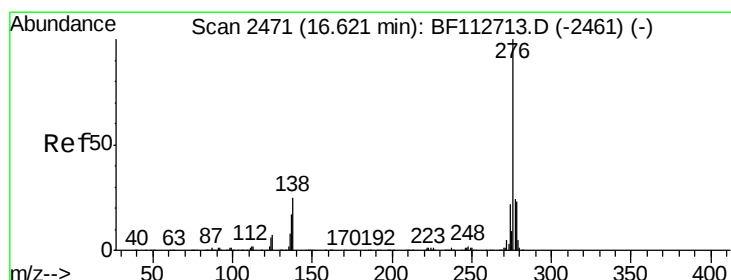
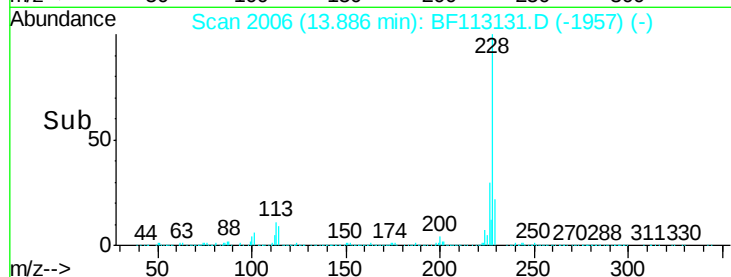
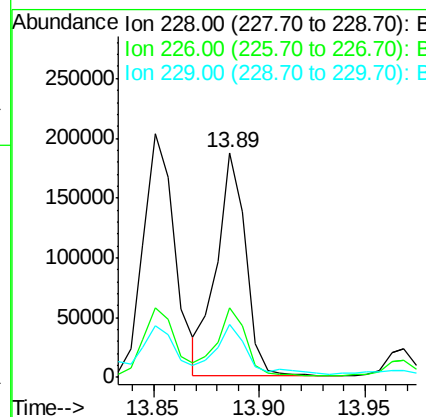
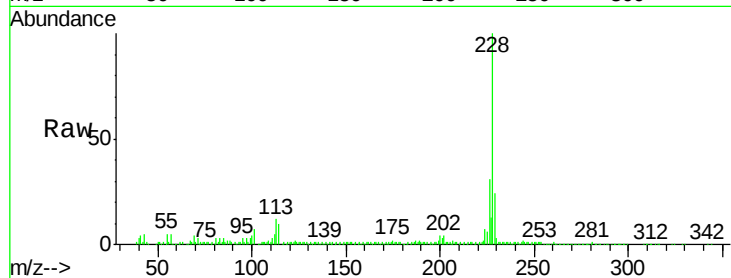
#83
Chrysene
Concen: 9.263 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	23.6	16.3	24.5

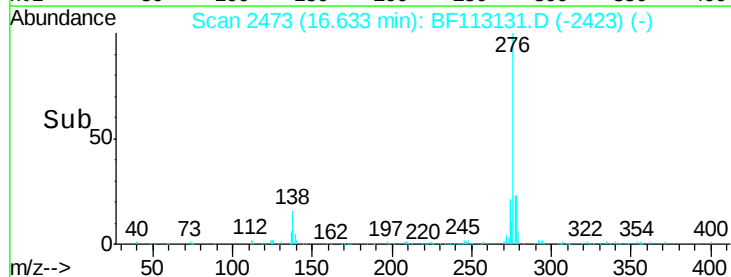
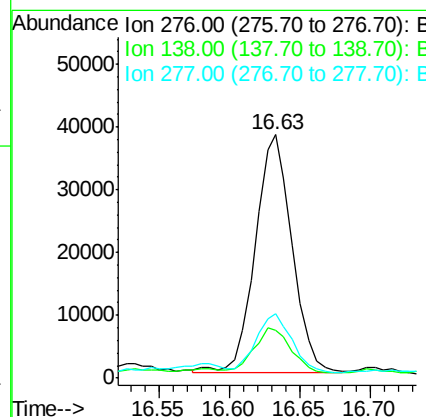
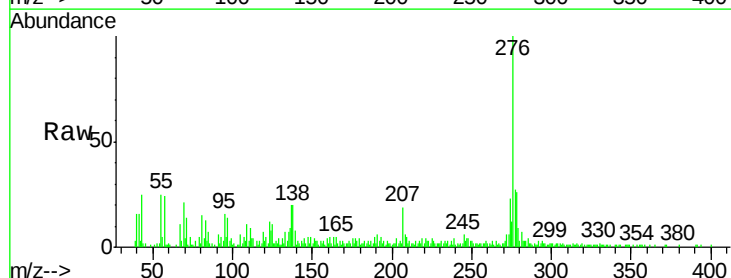
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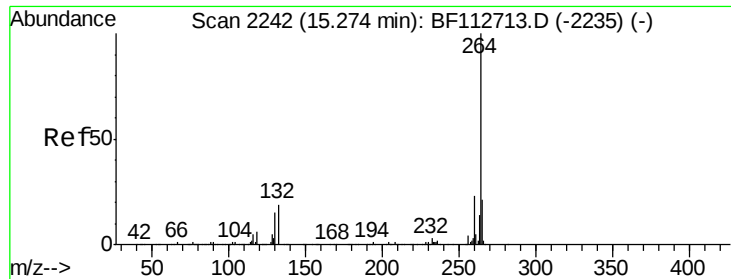
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.250 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	23.2	34.8#
277	24.0	19.9	29.9





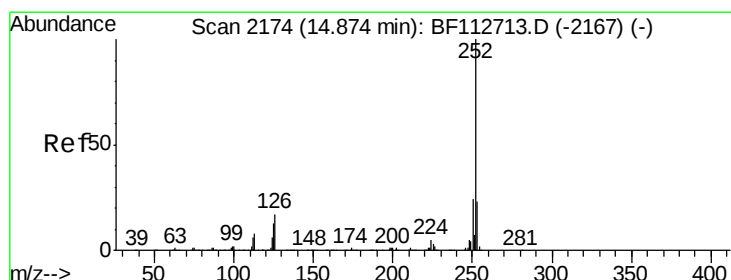
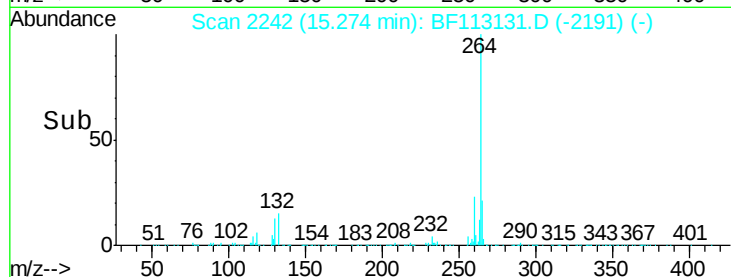
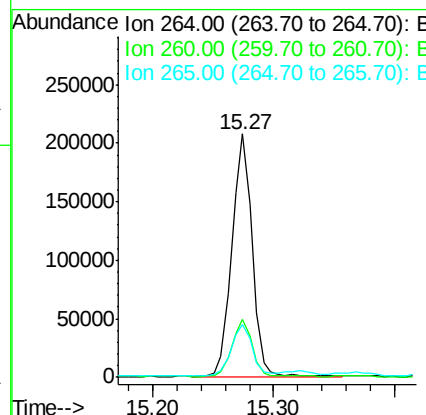
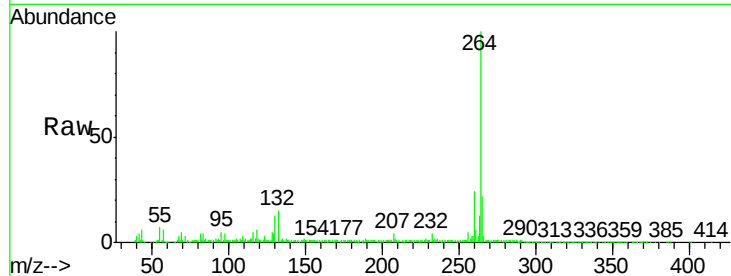
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.8	17.2	25.8

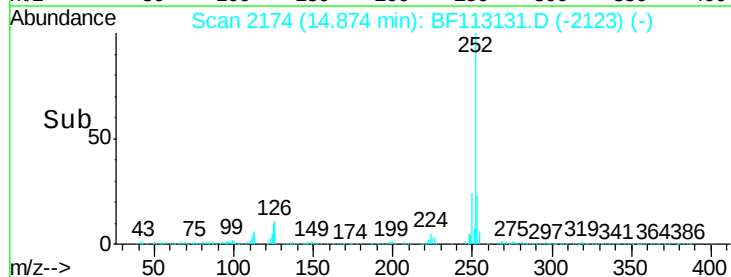
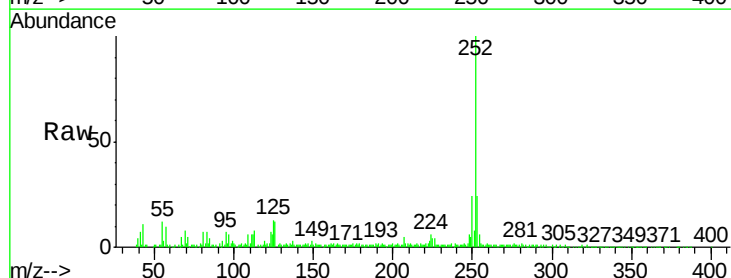
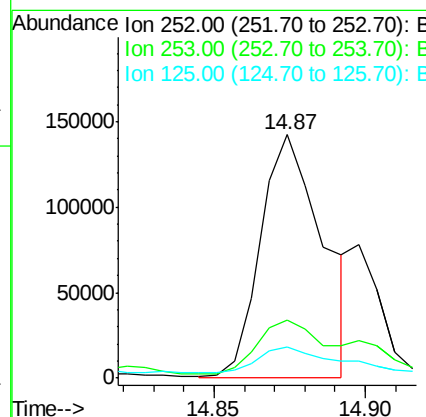
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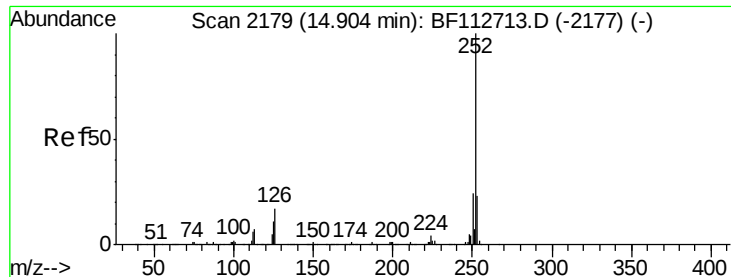
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#88
Benzo(b)fluoranthene
Concen: 13.161 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113131.D
Acq: 19 Mar 2019 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	12.7	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 4.077 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Instrument :

BNA_F

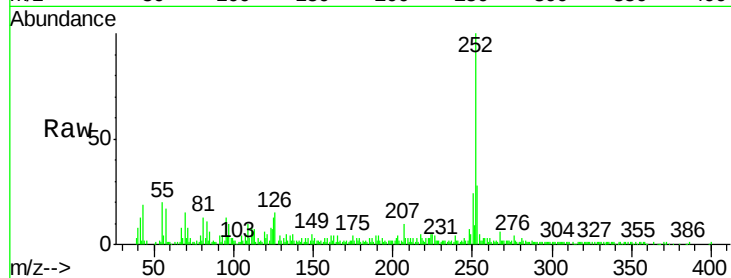
ClientSampleId :

FK-GF-03-006-A

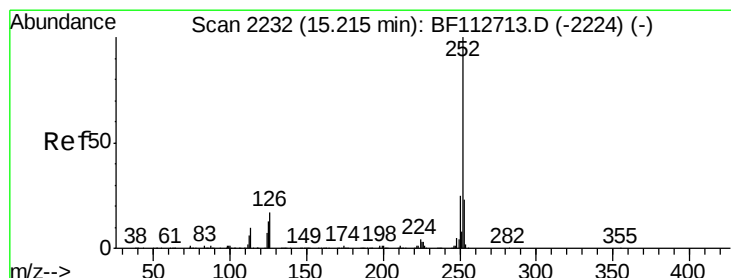
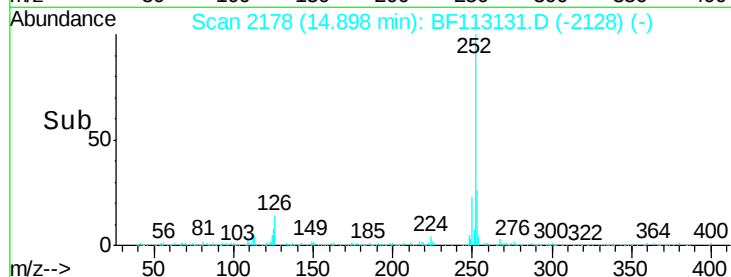
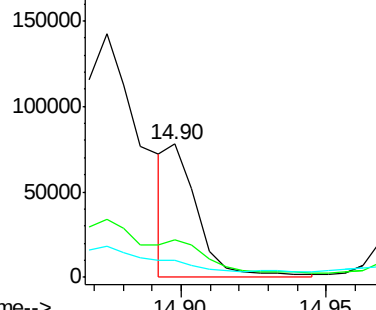
Tgt Ion:	252	Resp:	57250
Ion Ratio	Lower	Upper	
252	100		
253	28.2	18.2	27.2#
125	13.1	9.8	14.6

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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



#90

Benzo(a)pyrene

Concen: 10.006 ng

RT: 15.22 min Scan# 2232

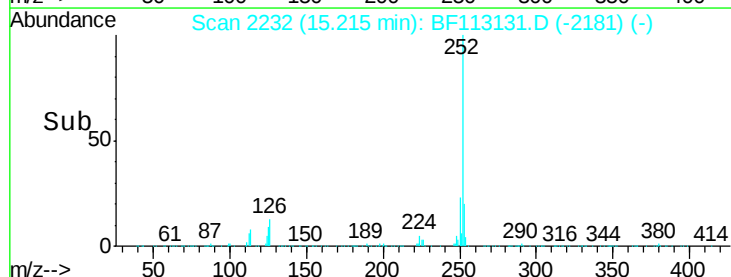
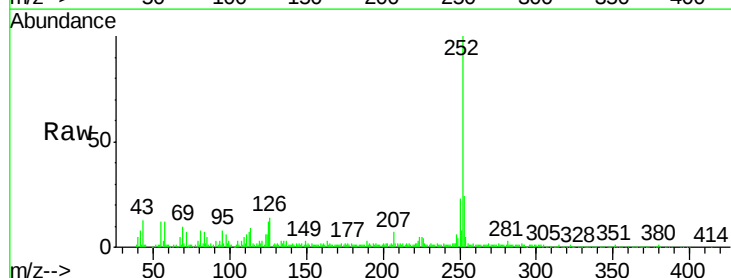
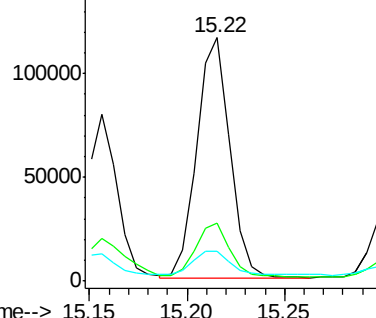
Delta R.T. -0.00 min

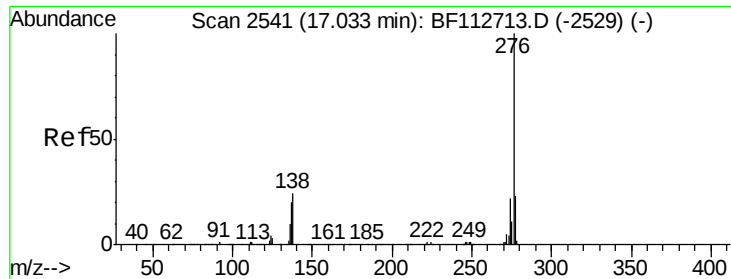
Lab File: BF113131.D

Acq: 19 Mar 2019 17:50

Tgt Ion:	252	Resp:	137205
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	12.1	10.7	16.1

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





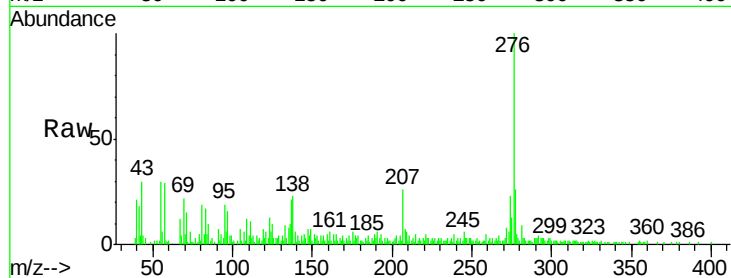
#92
 Benzo(g,h,i)perylene
 Concen: 5.312 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BF113131.D
 Acq: 19 Mar 2019 17:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	27.8
138	23.2	19.4	29.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

