

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113010.D
 Acq On : 12 Mar 2019 18:38
 Operator : JU/SJ
 Sample : K1697-07 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

Quant Time: Mar 13 03:57:50 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

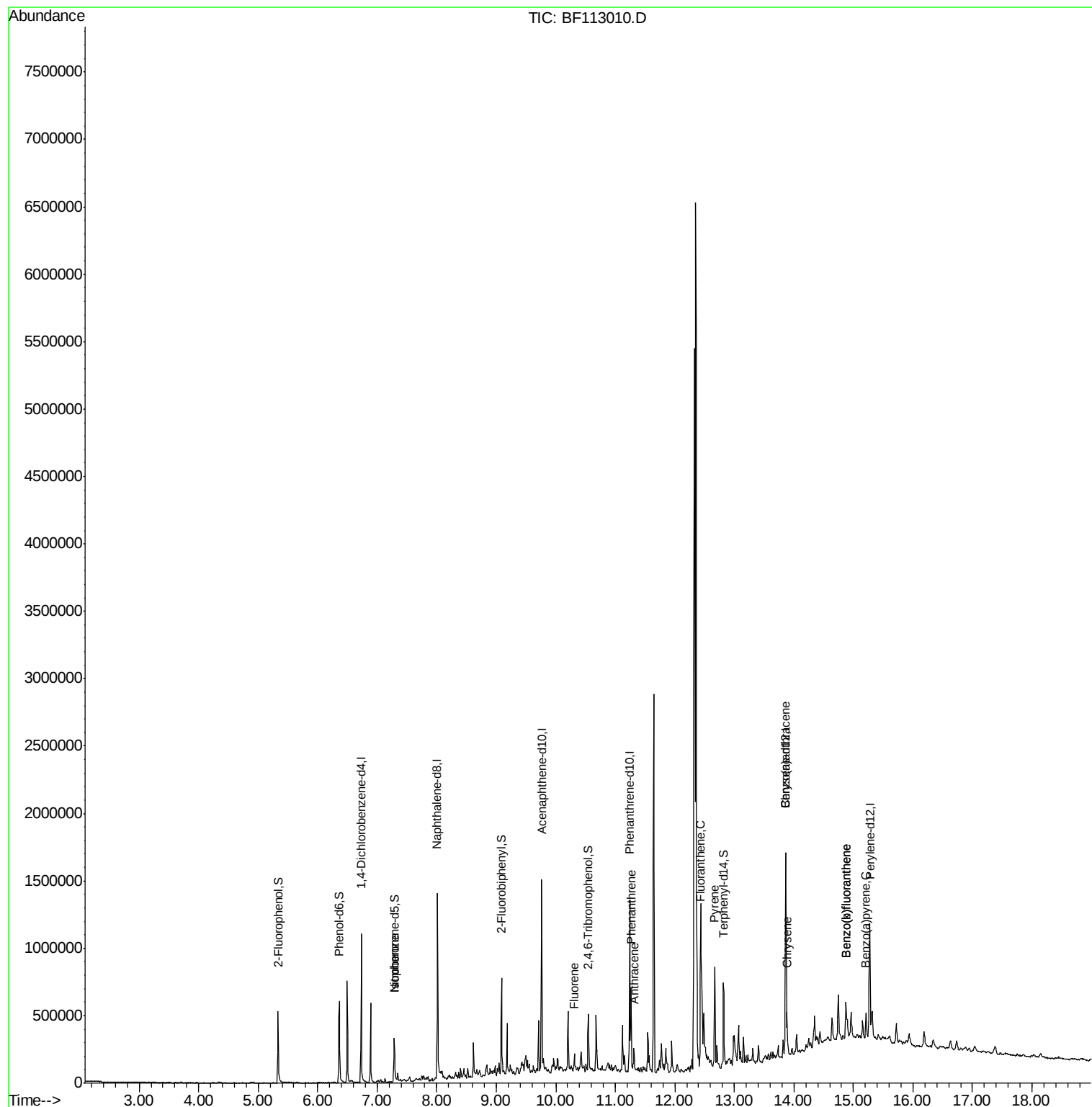
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178206	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	612397	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	281409	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	489700	20.00	ng	0.00
76) Chrysene-d12	13.86	240	504672	20.00	ng	0.00
87) Perylene-d12	15.27	264	432245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	177808	15.52	ng	-0.01
7) Phenol-d6	6.36	99	235472	16.36	ng	-0.01
23) Nitrobenzene-d5	7.29	82	122419	11.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	53689	17.97	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	247694	10.68	ng	0.00
79) Terphenyl-d14	12.82	244	224983	8.64	ng	0.00
Target Compounds						
25) Isophorone	7.29	82	122436	5.553	ng	Qvalue # 66
58) Fluorene	10.31	166	37889	2.064	ng	94
71) Phenanthrene	11.26	178	213495	8.763	ng	98
72) Anthracene	11.32	178	76379	2.995	ng	97
75) Fluoranthene	12.44	202	300131	11.498	ng	97
78) Pyrene	12.67	202	273974	6.440	ng	99
81) Benzo(a)anthracene	13.86	228	144495	4.131	ng	96
83) Chrysene	13.89	228	135232	3.947	ng	96
88) Benzo(b)fluoranthene	14.87	252	191613	6.853	ng	98
89) Benzo(k)fluoranthene	14.87	252	191613	7.566	ng	99
90) Benzo(a)pyrene	15.22	252	101199	4.092	ng	99

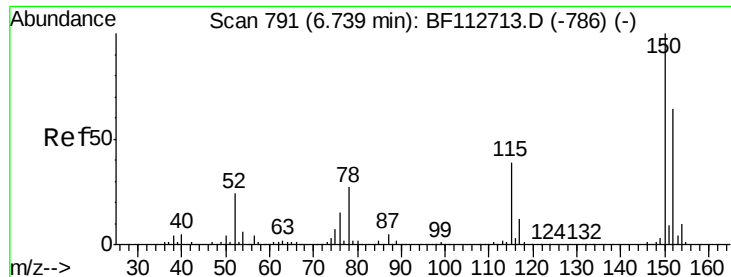
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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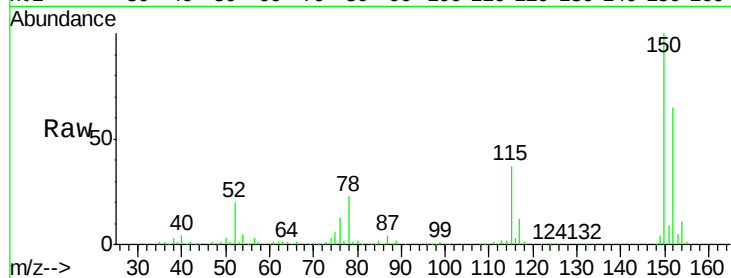


#1

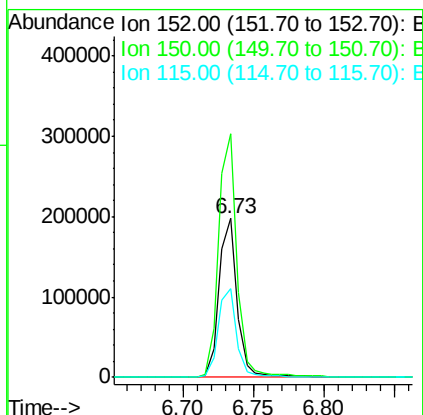
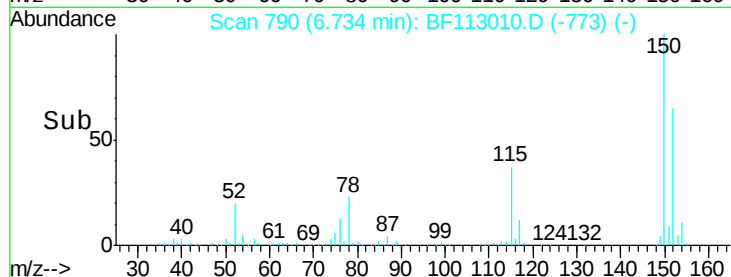
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Tgt Ion:152 Resp: 178206
Ion Ratio Lower Upper
152 100
150 153.4 124.2 186.2
115 56.1 48.2 72.4



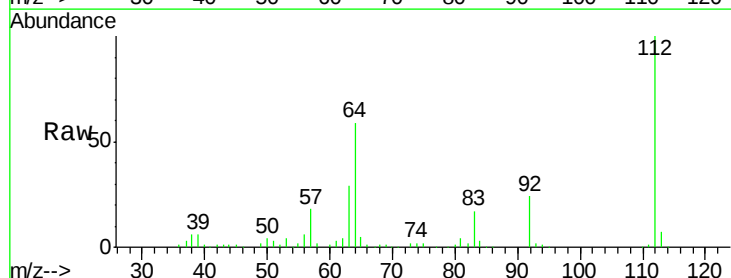
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



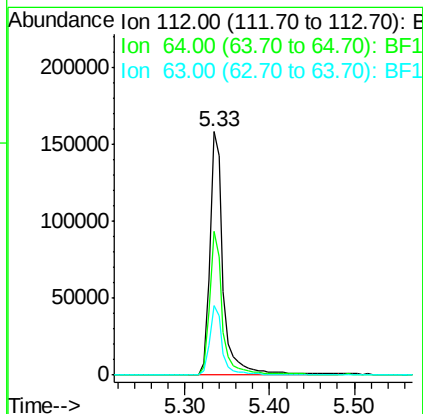
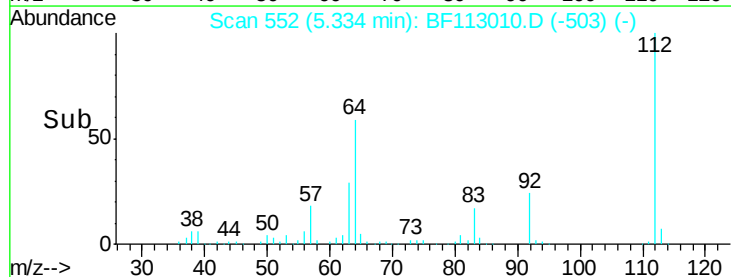
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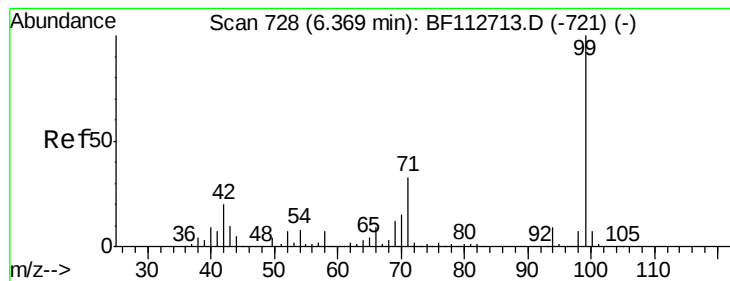
2-Fluorophenol
Concen: 15.521 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion:112 Resp: 177808
Ion Ratio Lower Upper
112 100
64 58.8 47.6 71.4
63 28.8 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: 16.363 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Instrument :

BNA_F

ClientSampleId :

SU-04-031119-B

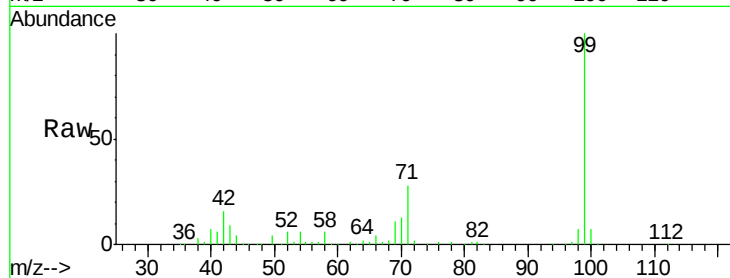
Tgt Ion: 99 Resp: 235472

Ion Ratio Lower Upper

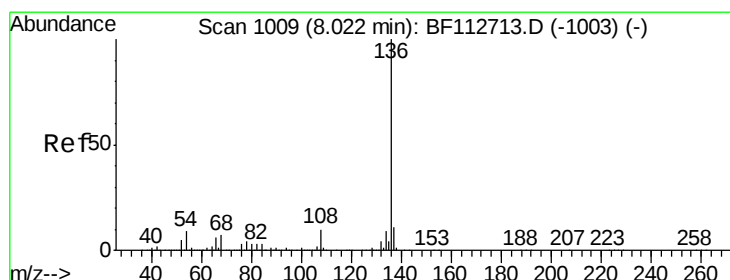
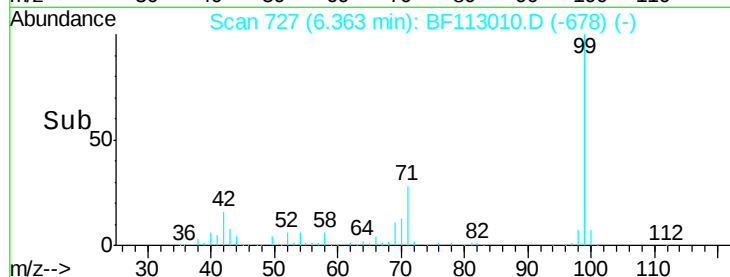
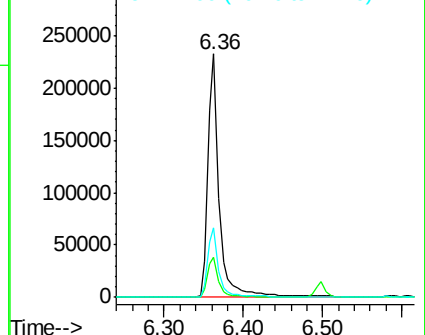
99 100

42 16.2 16.3 24.5#

71 28.4 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Tgt Ion: 136 Resp: 612397

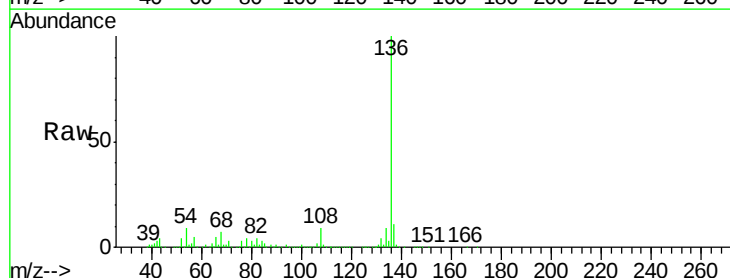
Ion Ratio Lower Upper

136 100

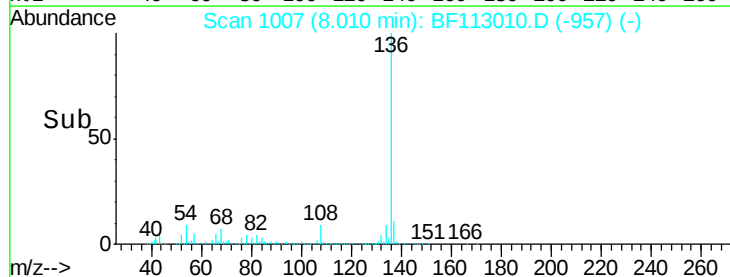
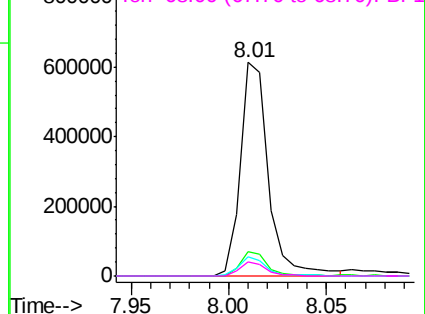
137 11.1 8.9 13.3

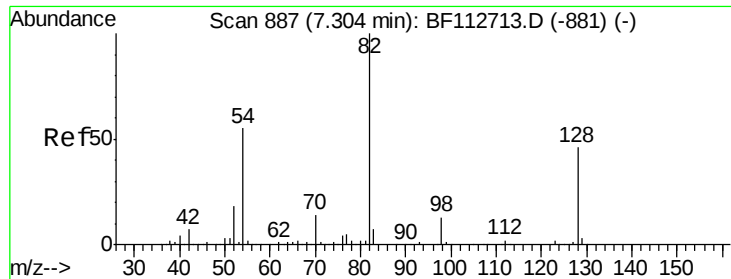
54 8.8 7.3 10.9

68 6.6 5.4 8.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

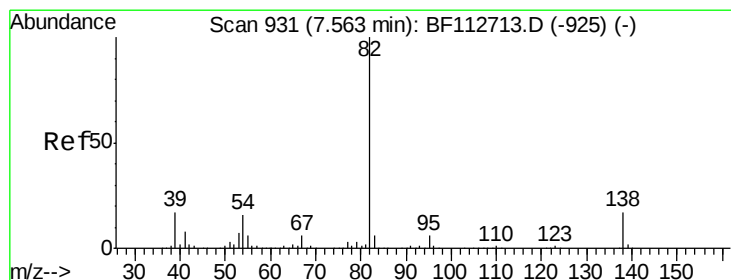
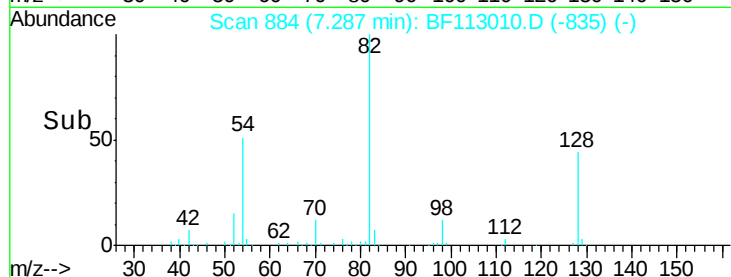
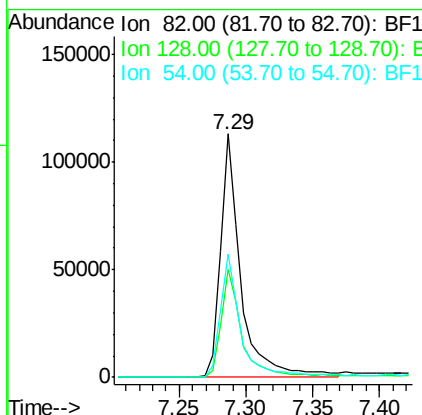
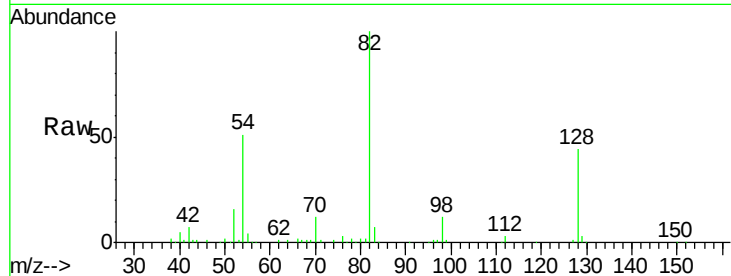




#23
Nitrobenzene-d5
Concen: 11.962 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

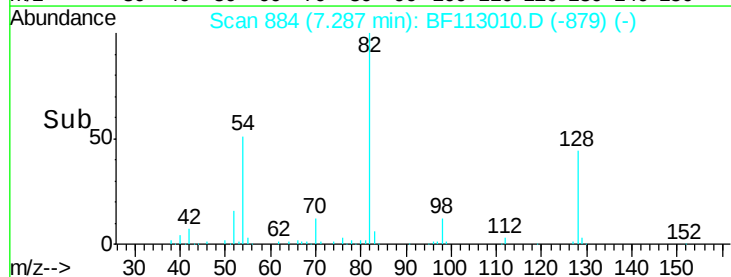
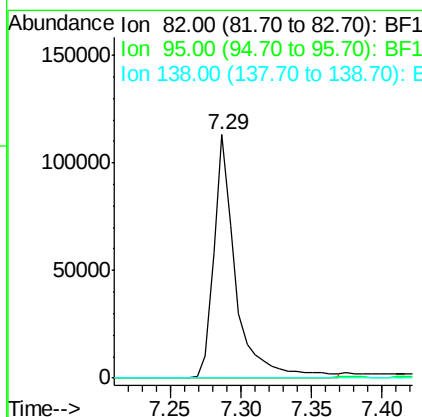
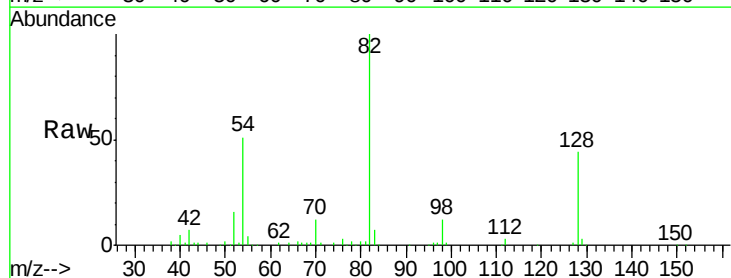
Instrument :
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SU-04-031119-B

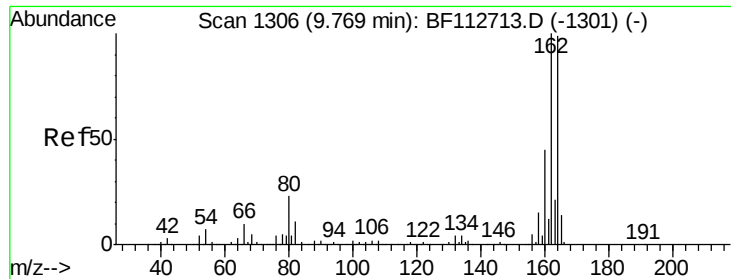
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.3	54.5
54	50.7	43.7	65.5



#25
Isophorone
Concen: 5.553 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	13.8	20.8#

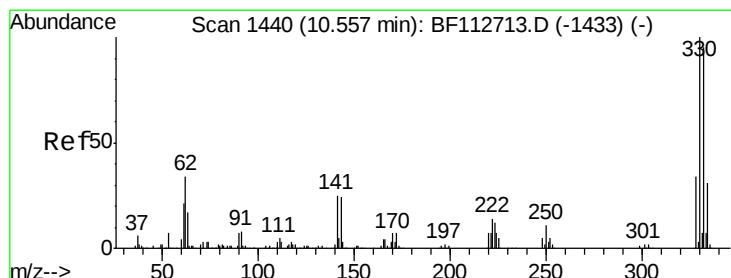
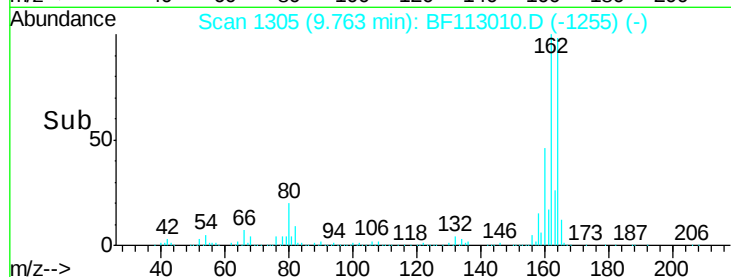
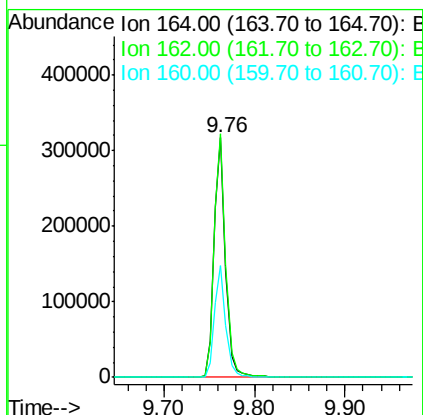
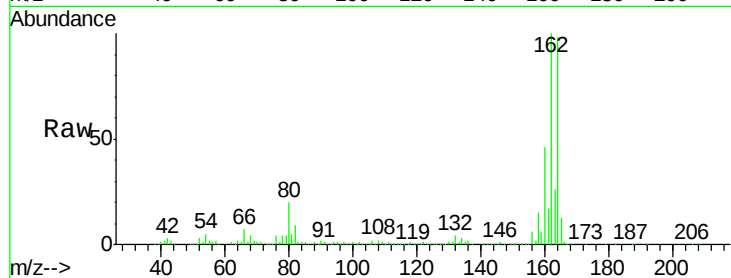




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

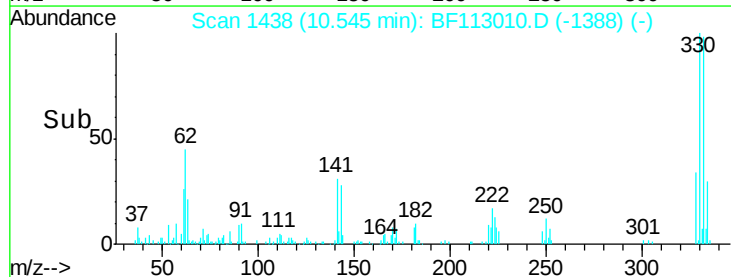
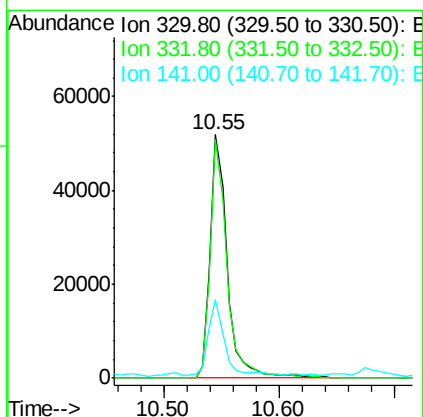
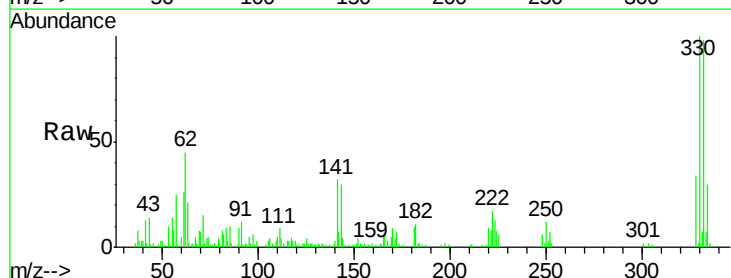
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

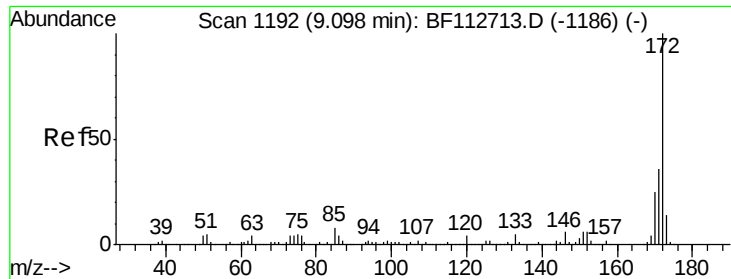
Tgt Ion:164 Resp: 281409
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.6 120.8
 160 46.8 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 17.971 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Tgt Ion:330 Resp: 53689
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 30.0 27.0 40.6

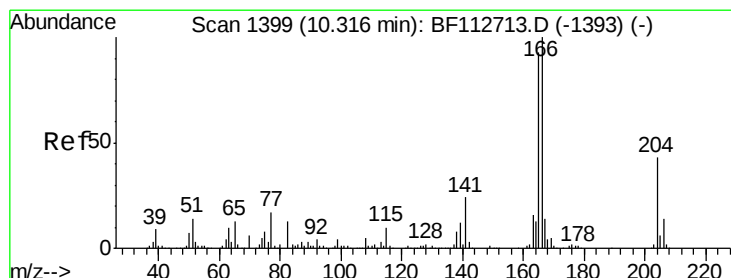
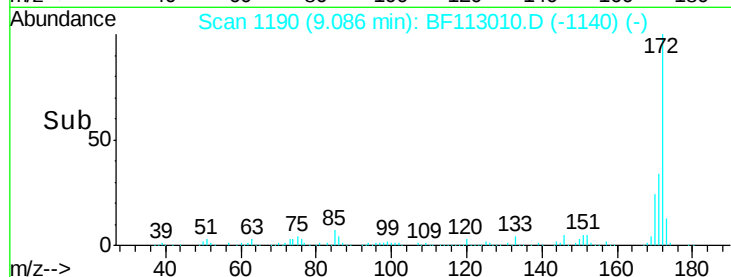
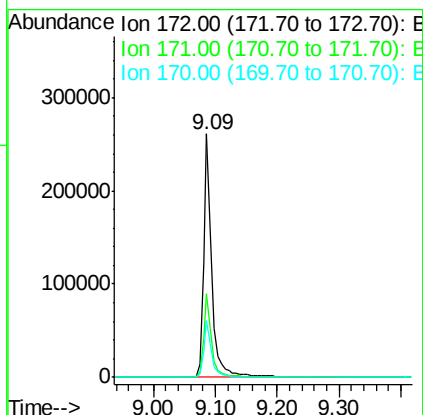
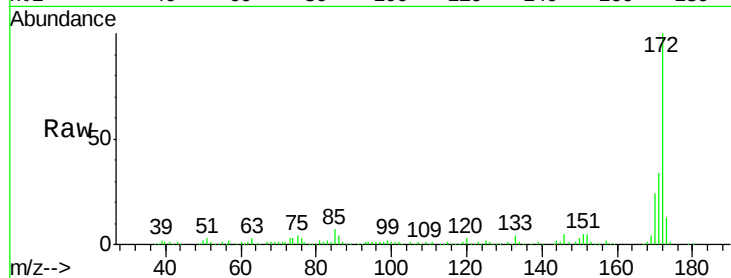




#45
2-Fluorobiphenyl
Concen: 10.677 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

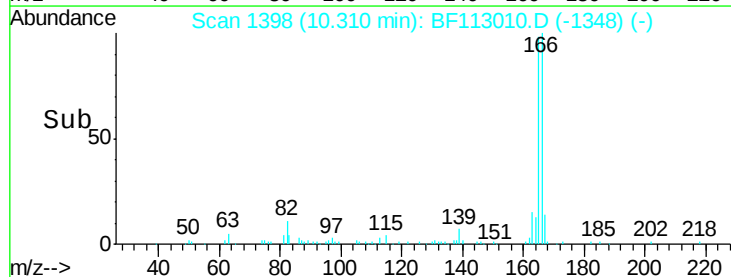
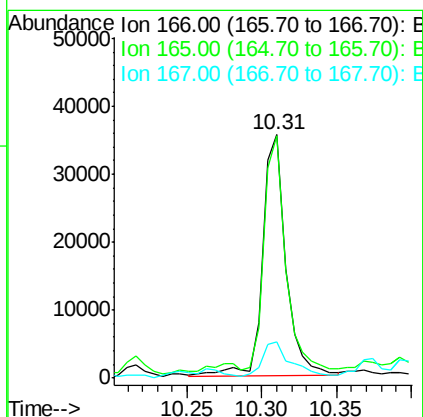
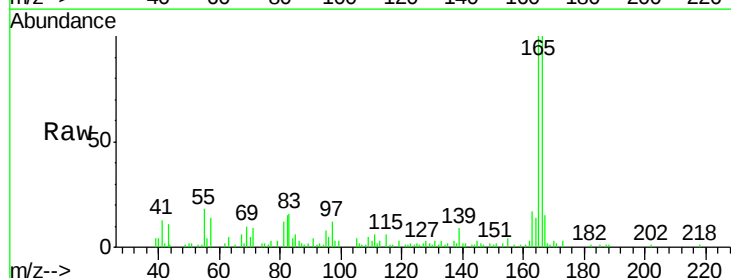
Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 247694
Ion Ratio Lower Upper
172 100
171 34.2 29.0 43.4
170 23.5 20.0 30.0



#58
Fluorene
Concen: 2.064 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion:166 Resp: 37889
Ion Ratio Lower Upper
166 100
165 99.8 74.7 112.1
167 15.1 11.0 16.6

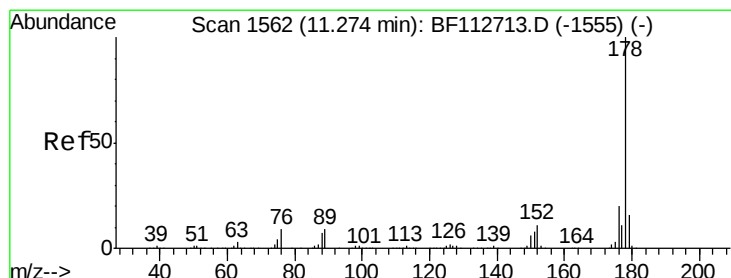
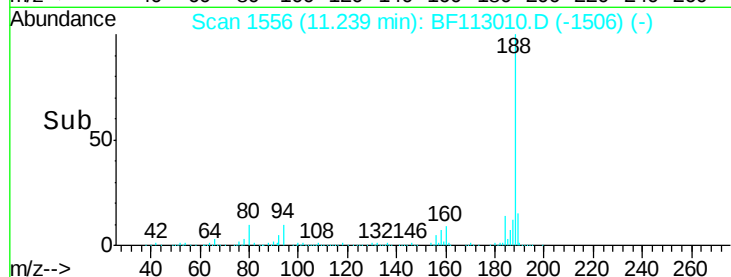
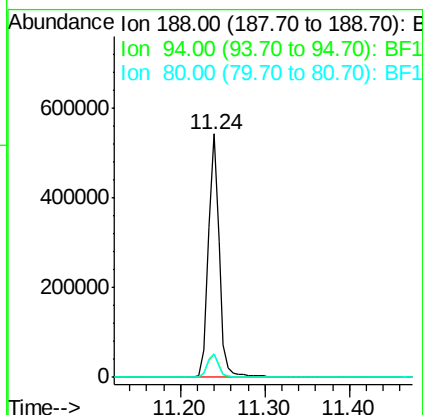
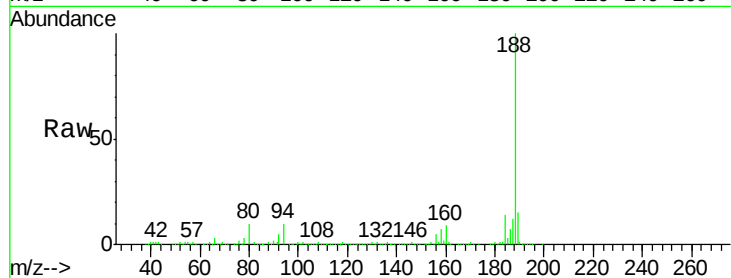




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

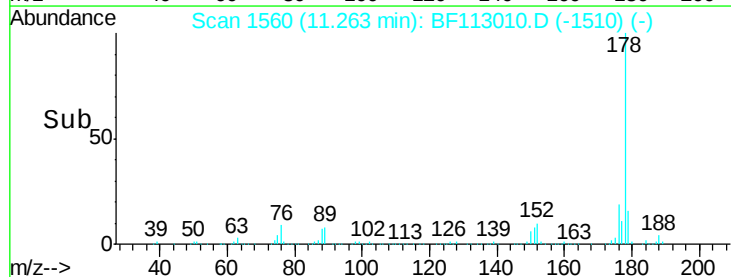
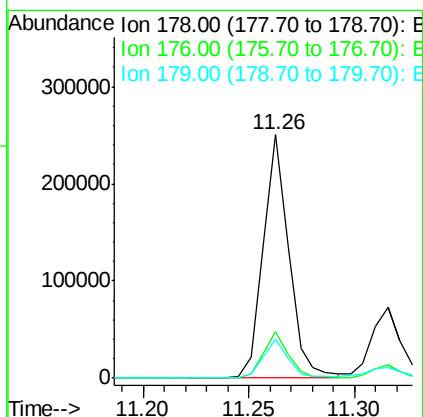
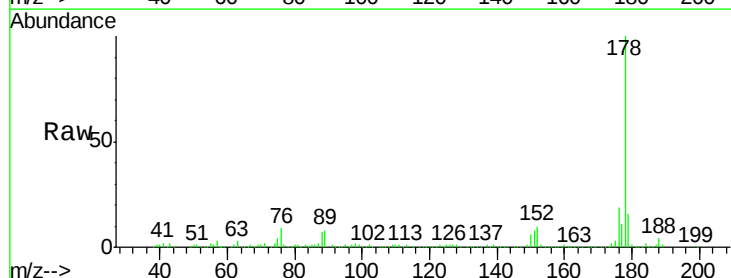
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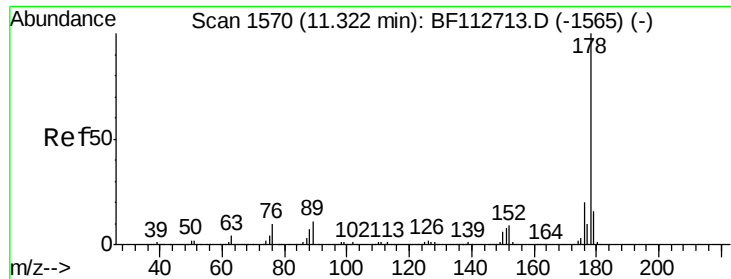
Tgt Ion:188 Resp: 489700
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.4
80 9.7 9.2 13.8



#71
Phenanthrene
Concen: 8.763 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion:178 Resp: 213495
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 15.8 12.7 19.1

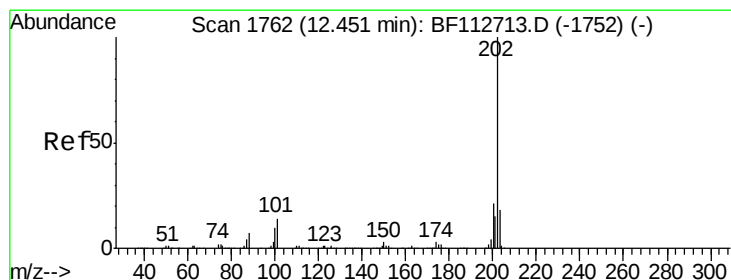
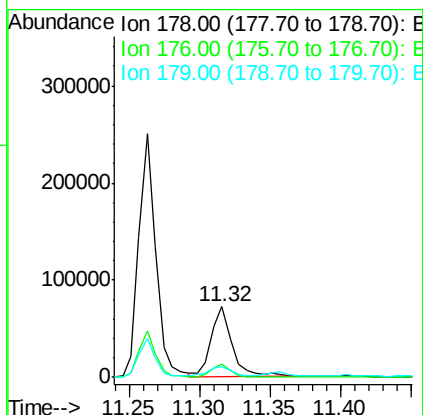
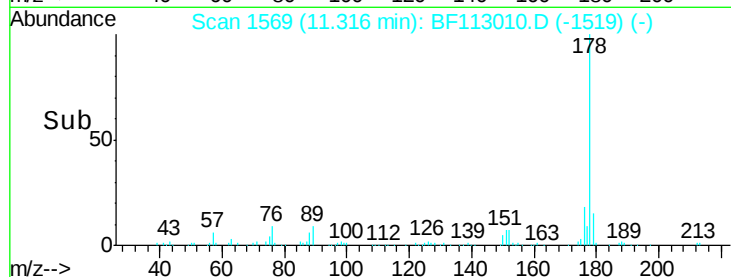
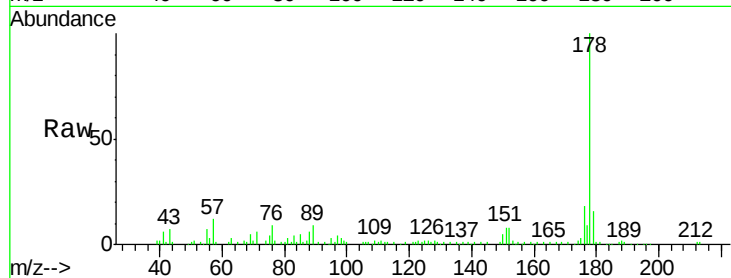




#72
 Anthracene
 Concen: 2.995 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

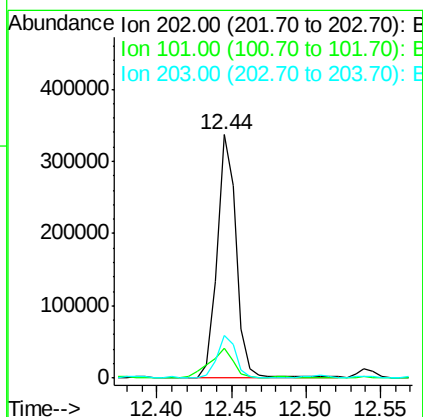
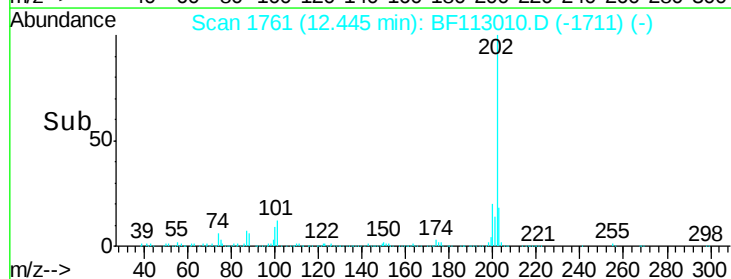
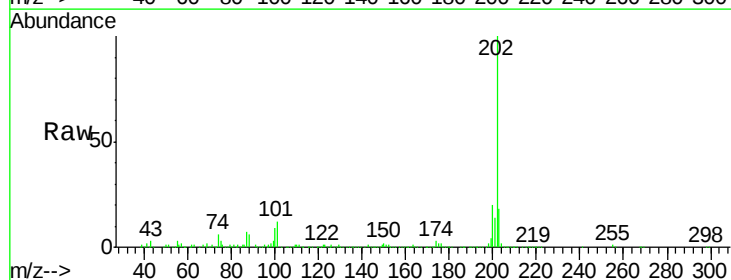
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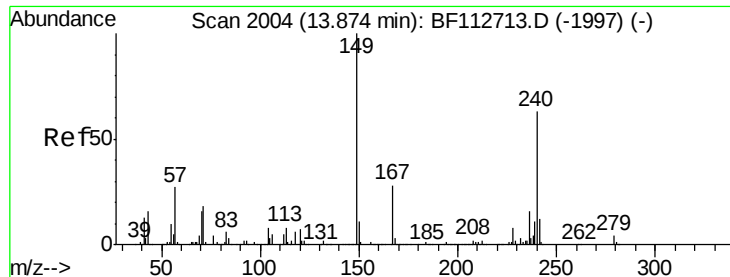
Tgt Ion:178 Resp: 76379
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.8 23.6
 179 15.6 13.0 19.6



#75
 Fluoranthene
 Concen: 11.498 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Tgt Ion:202 Resp: 300131
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 33.8
 203 17.7 0.0 38.4

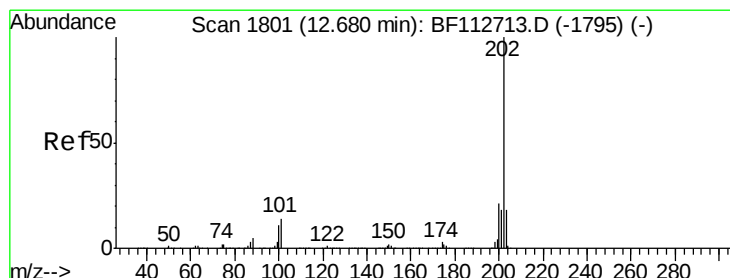
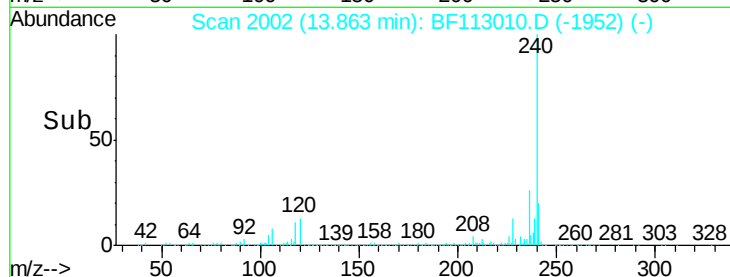
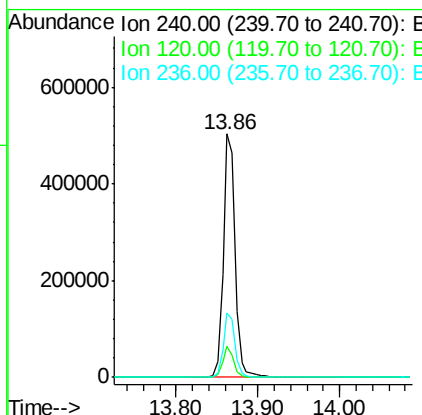
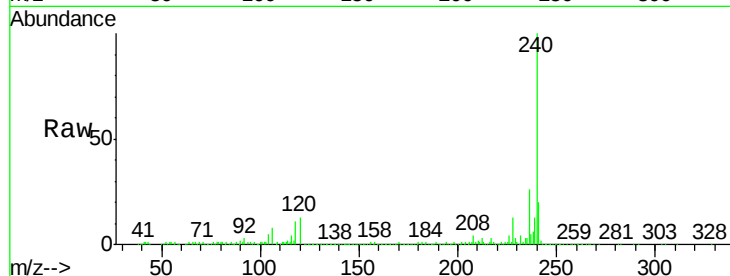




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

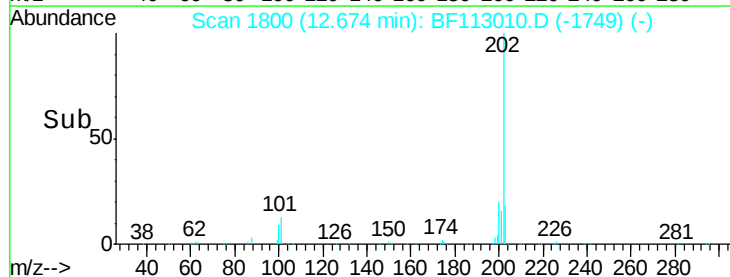
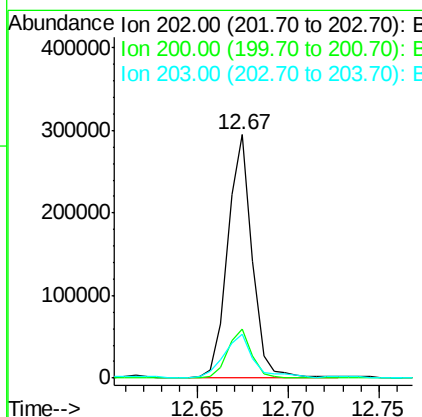
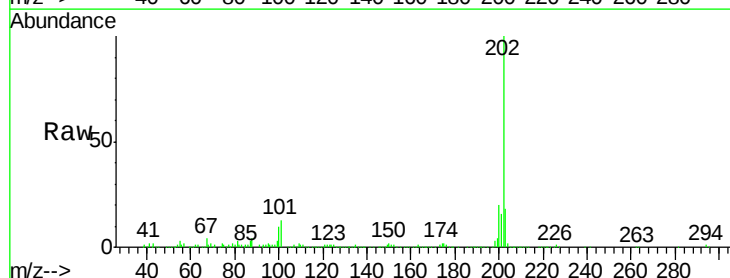
Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

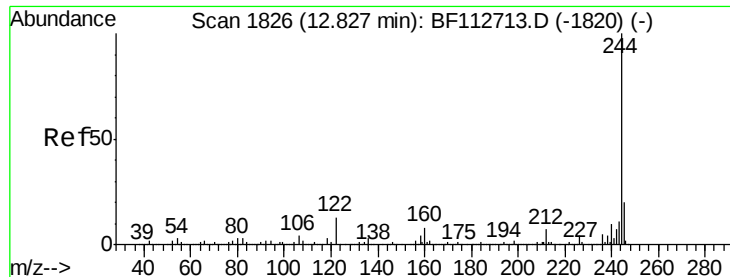
Tgt Ion:240 Resp: 504672
Ion Ratio Lower Upper
240 100
120 12.7 8.9 13.3
236 26.2 20.7 31.1



#78
Pyrene
Concen: 6.440 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion:202 Resp: 273974
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.4
203 18.1 14.4 21.6

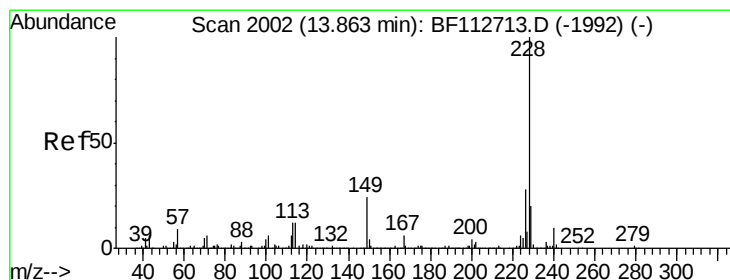
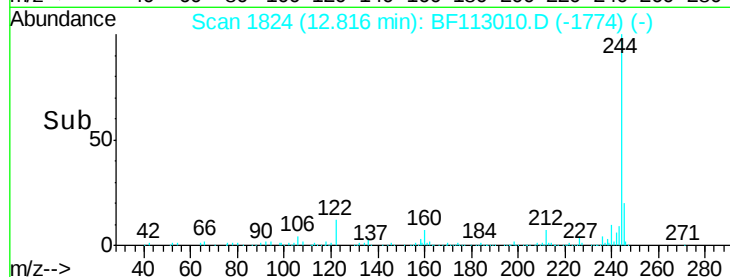
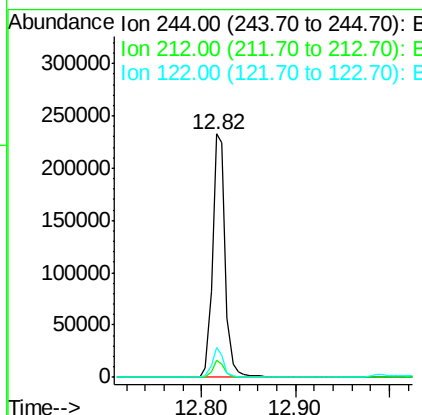
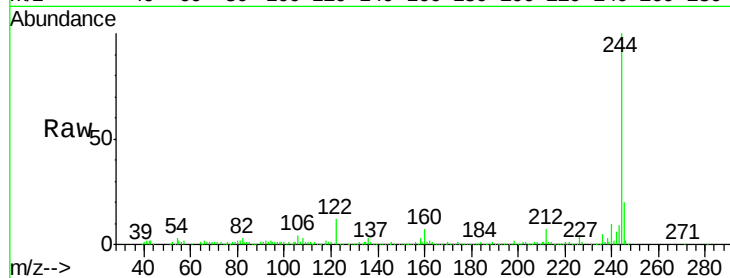




#79
 Terphenyl-d14
 Concen: 8.642 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

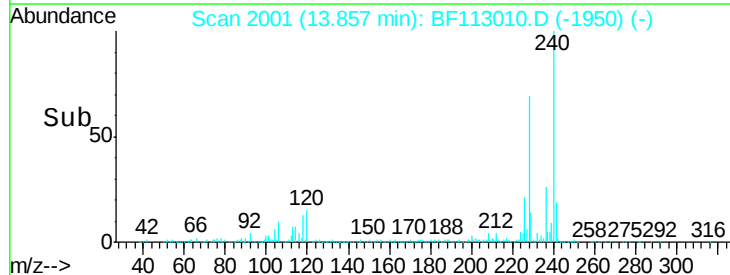
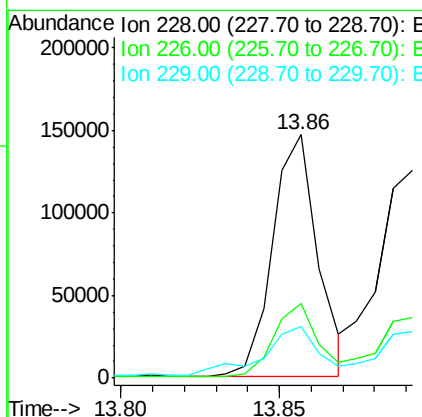
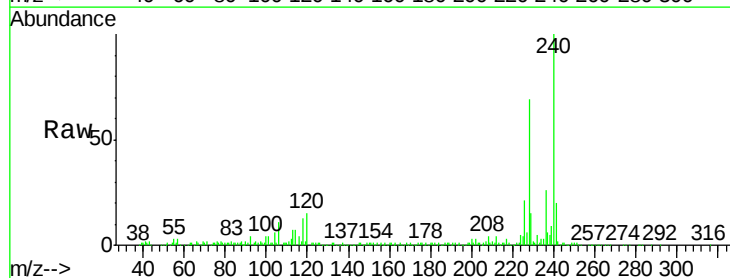
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

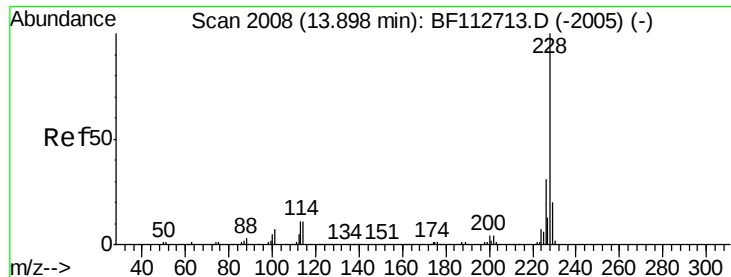
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	12.5	10.5	15.7



#81
 Benzo(a)anthracene
 Concen: 4.131 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.2	33.4
229	21.1	16.0	24.0

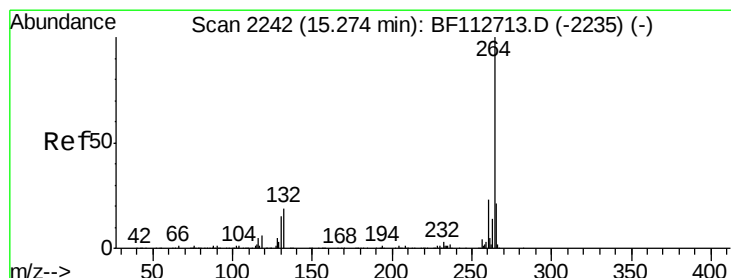
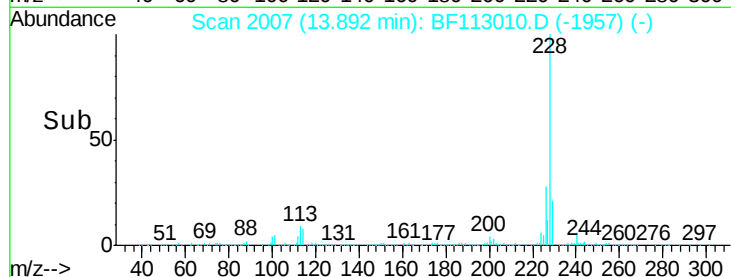
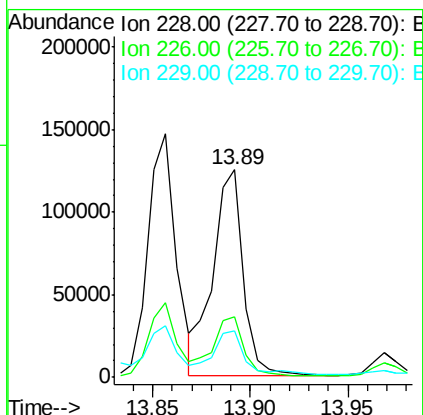
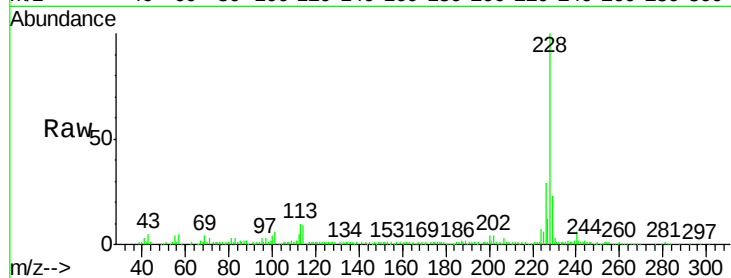




#83
Chrysene
Concen: 3.947 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

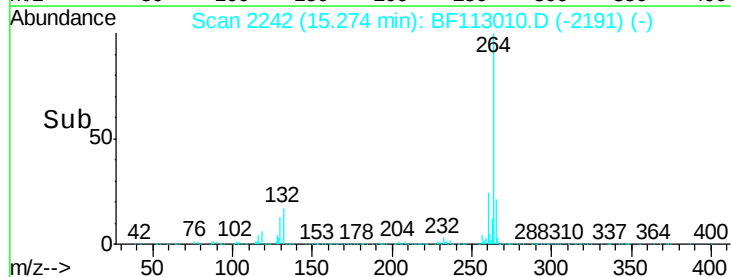
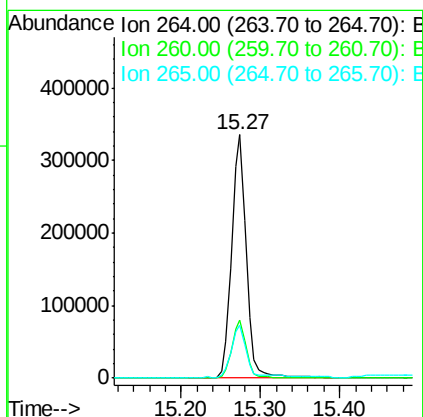
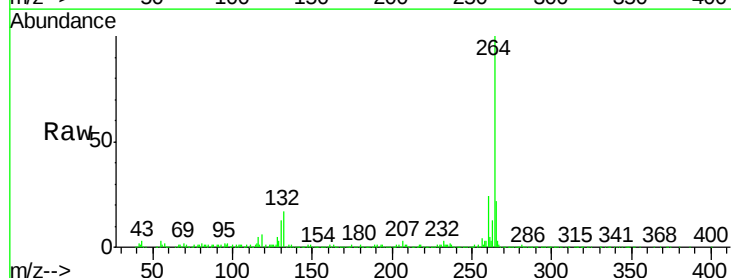
Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

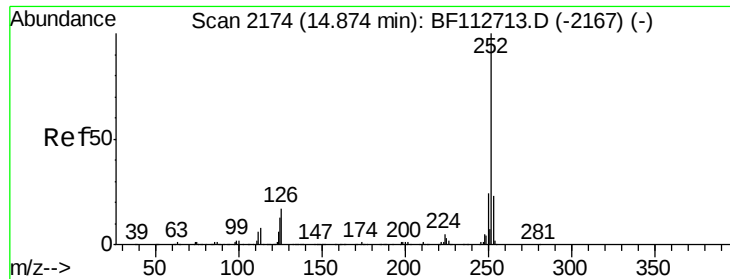
Tgt Ion: 228 Resp: 135232
Ion Ratio Lower Upper
228 100
226 28.9 24.9 37.3
229 22.5 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion: 264 Resp: 432245
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.6 17.2 25.8

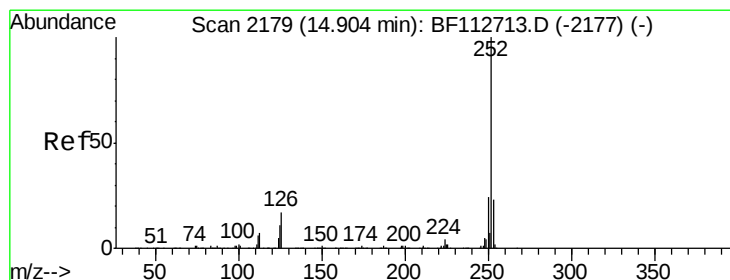
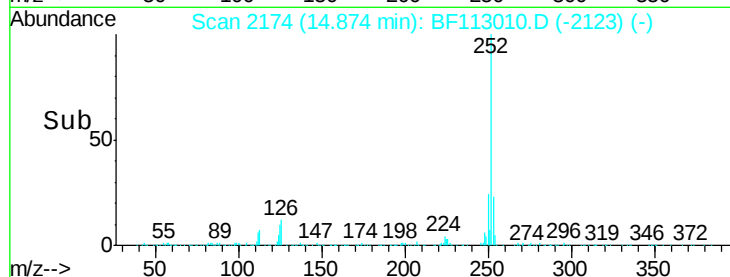
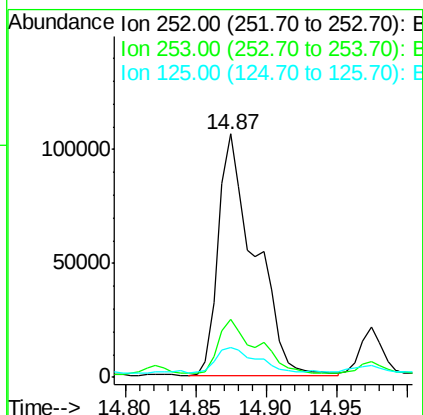
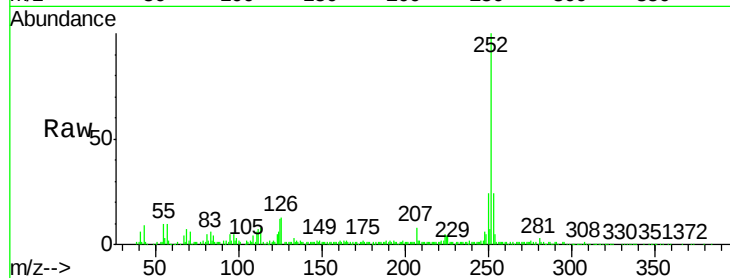




#88
Benzo(b)fluoranthene
Concen: 6.853 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

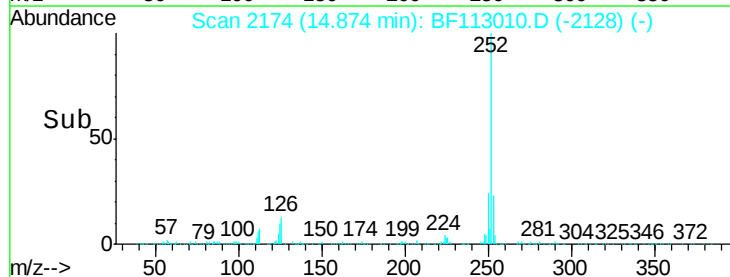
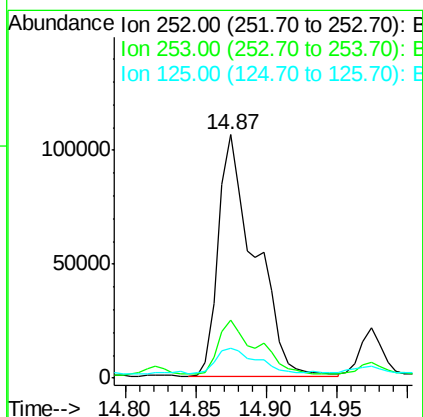
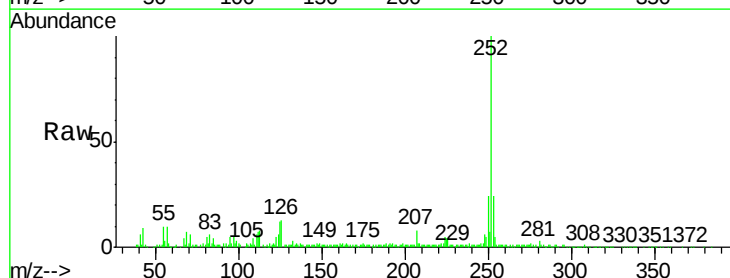
Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

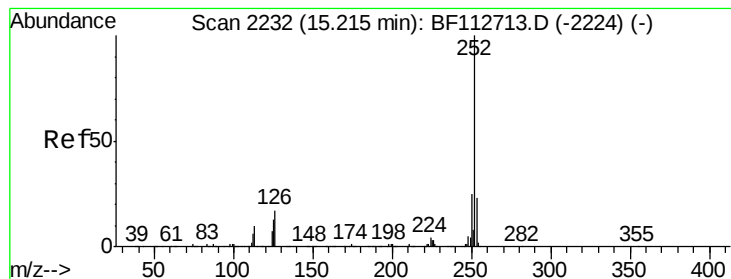
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.2	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 7.566 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.2	9.8	14.6





#90

Benzo(a)pyrene

Concen: 4.092 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF113010.D

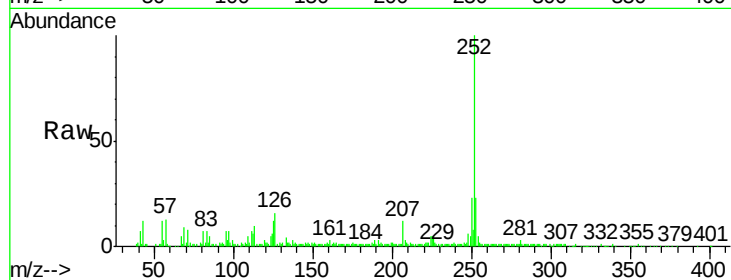
Acq: 12 Mar 2019 18:38

Instrument :

BNA_F

ClientSampleId :

SU-04-031119-B



Tgt Ion: 252 Resp: 101199

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 12.4 10.7 16.1

