

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032819\
 Data File : BF113387.D
 Acq On : 28 Mar 2019 21:30
 Operator : JU/SJ
 Sample : K1697-13 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032719-A

Quant Time: Mar 29 02:13:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	181507	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	706174	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	348239	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	653458	20.00	ng	0.00
76) Chrysene-d12	13.84	240	444971	20.00	ng	0.00
87) Perylene-d12	15.24	264	476409	20.00	ng	0.00

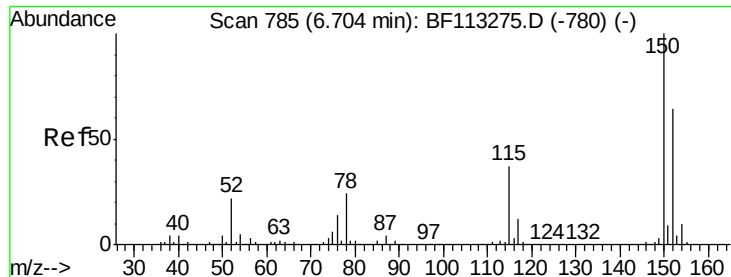
System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	543645	48.97	ng	0.00
7) Phenol-d6	6.35	99	734864	52.33	ng	-0.01
23) Nitrobenzene-d5	7.26	82	420100	35.31	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	207632	48.27	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	807552	23.61	ng	0.00
79) Terphenyl-d14	12.79	244	701188	34.73	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	52750	5.980	ng	# 74
20) 3+4-Methylphenols	7.15	107	230	Below	Cal	# 17
25) Isophorone	7.26	82	416156	18.049	ng	# 64
31) Naphthalene	8.00	128	181207	5.251	ng	98
37) 2-Methylnaphthalene	8.70	142	123564	5.738	ng	97
38) 1-Methylnaphthalene	8.79	142	126968	6.130	ng	98
49) Acenaphthylene	9.59	152	81874	2.261	ng	# 96
50) Dimethylphthalate	9.45	163	69081	2.677	ng	# 99
51) 2,6-Dinitrotoluene	9.73	165	52340	8.990	ng	# 27
52) Acenaphthene	9.76	154	116865	5.731	ng	98
55) Dibenzofuran	9.94	168	131779	4.299	ng	# 95
58) Fluorene	10.28	166	257475	10.812	ng	100
71) Phenanthrene	11.24	178	1392509	42.911	ng	100
72) Anthracene	11.29	178	324972	9.859	ng	99
73) Carbazole	11.44	167	114015	3.625	ng	100
75) Fluoranthene	12.42	202	1007828	27.472	ng	100
78) Pyrene	12.65	202	1056268	34.255	ng	99
81) Benzo(a)anthracene	13.83	228	444325	17.444	ng	96
83) Chrysene	13.86	228	398751	15.413	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	183190	8.251	ng	95
88) Benzo(b)fluoranthene	14.85	252	605763	20.469	ng	# 97
89) Benzo(k)fluoranthene	14.85	252	605763	23.308	ng	# 96
90) Benzo(a)pyrene	15.19	252	379022	14.446	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	53613	2.363	ng	# 76
92) Benzo(g,h,i)perylene	17.00	276	162001	7.082	ng	96

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

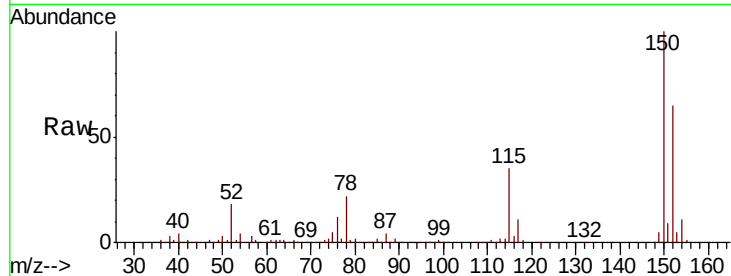


#1

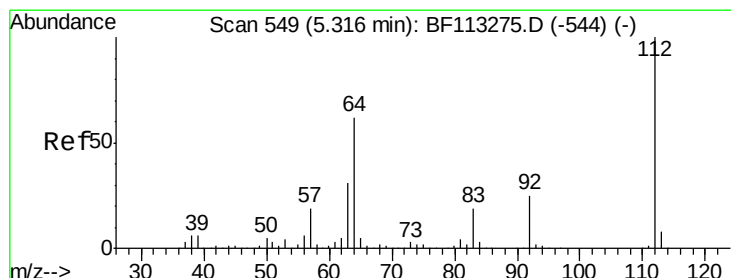
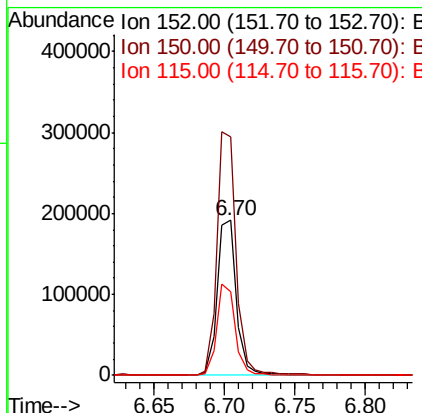
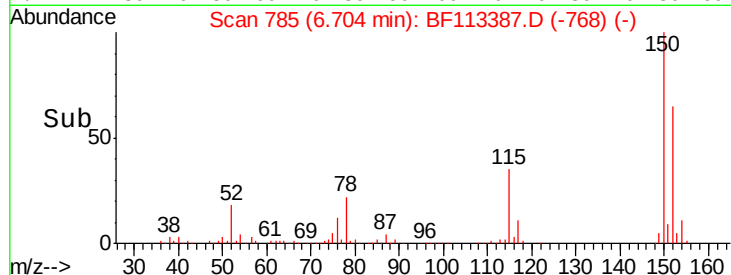
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-A

Tgt Ion:152 Resp: 181507
Ion Ratio Lower Upper
152 100
150 154.5 124.7 187.1
115 54.1 46.0 69.0



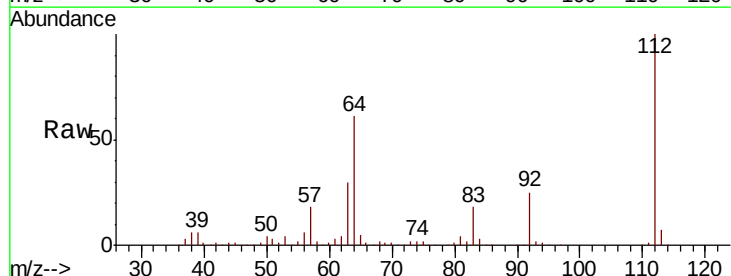
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



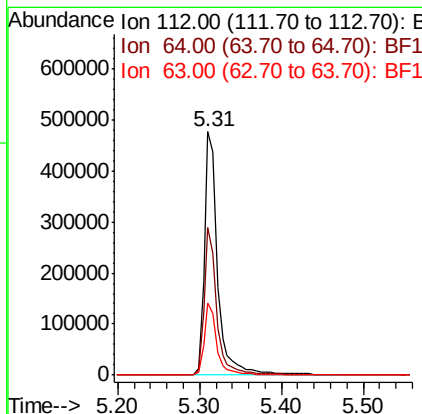
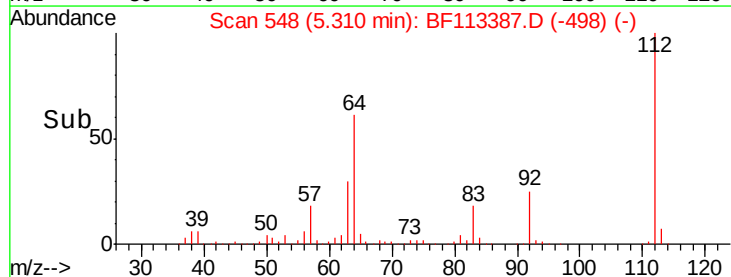
#5

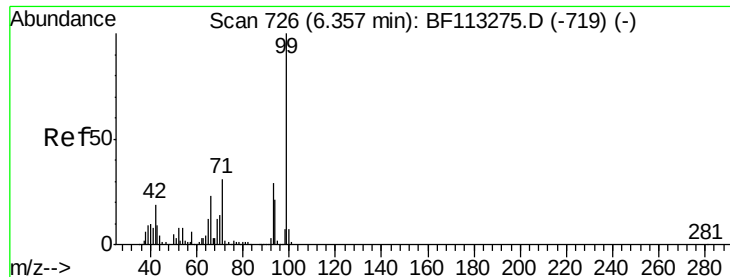
2-Fluorophenol
Concen: 48.975 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion:112 Resp: 543645
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 29.8 24.9 37.3



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: 52.330 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

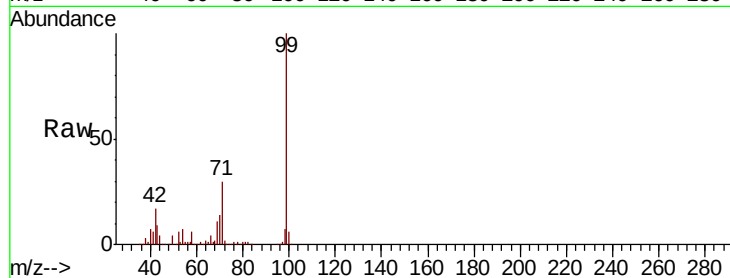
Tgt Ion: 99 Resp: 734864

Ion Ratio Lower Upper

99 100

42 16.9 14.8 22.2

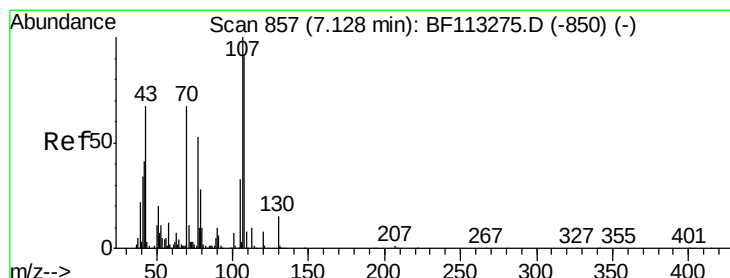
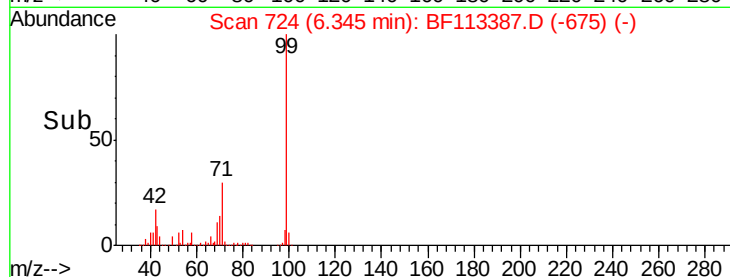
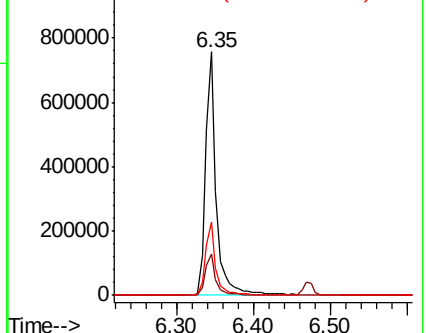
71 30.1 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.980 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Tgt Ion: 70 Resp: 52750

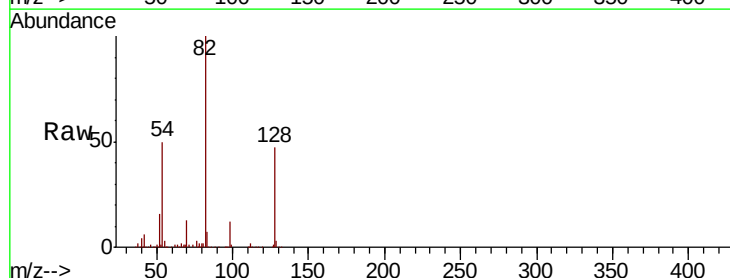
Ion Ratio Lower Upper

70 100

42 45.5 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

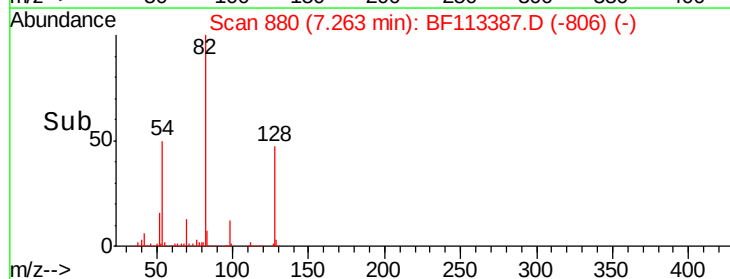
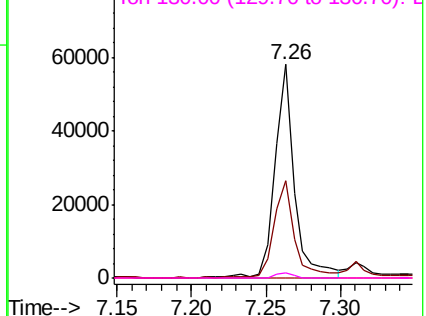


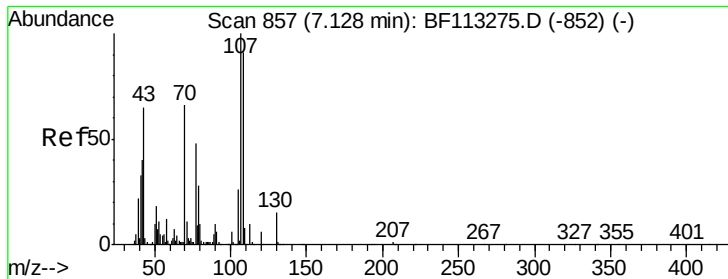
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

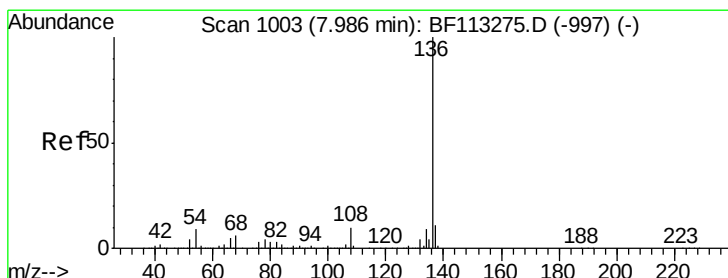
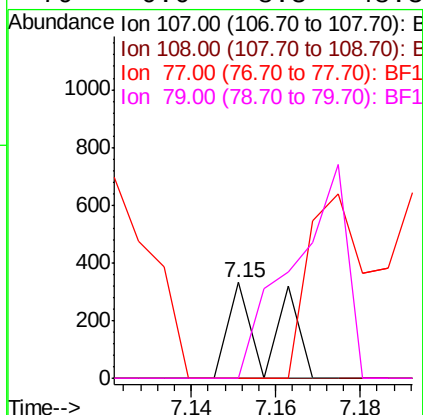
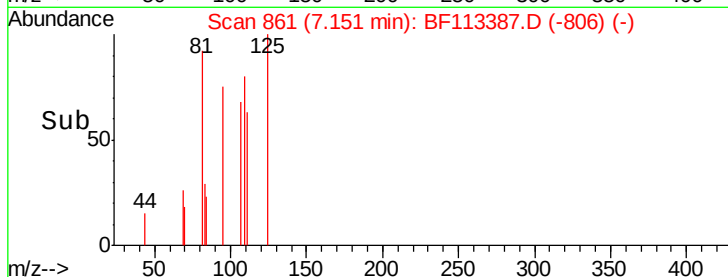
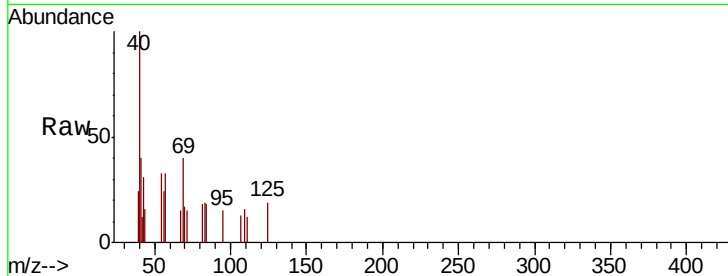




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. 0.02 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

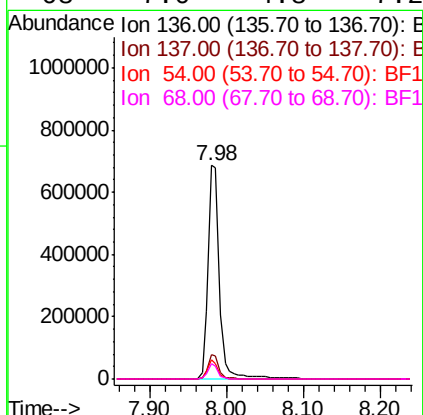
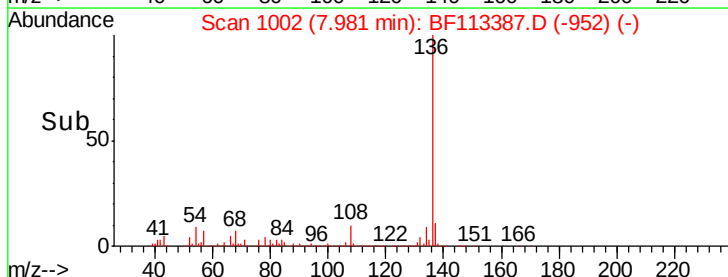
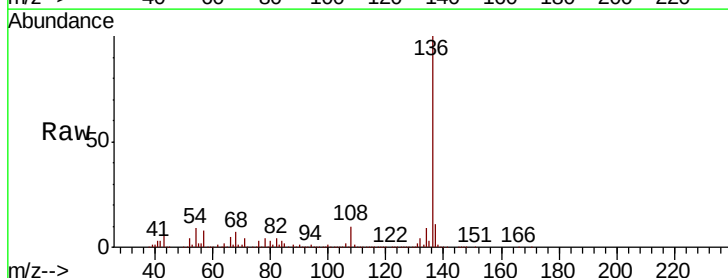
Instrument :
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SU-02-032719-A

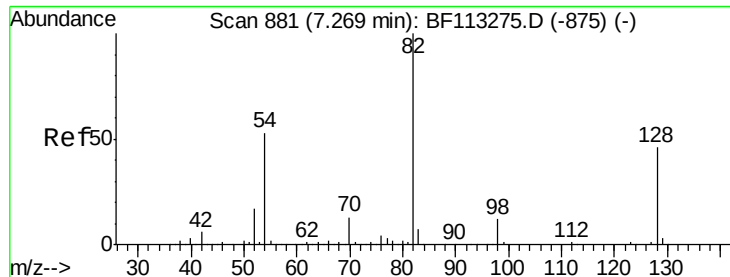
Tgt Ion:	107	Resp:	230
Ion	Ratio	Lower	Upper
107	100		
108	0.0	71.4	111.4#
77	0.0	33.5	73.5#
79	0.0	8.3	48.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion:	136	Resp:	706174
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.9	7.0	10.6
68	7.0	4.8	7.2

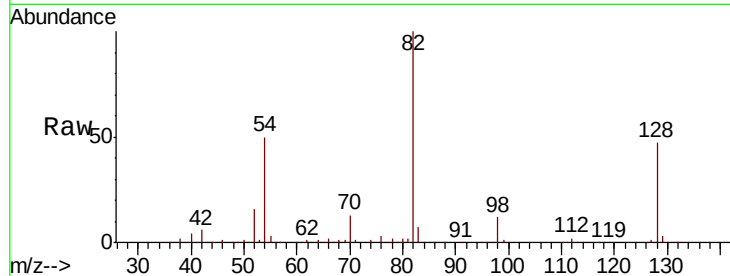




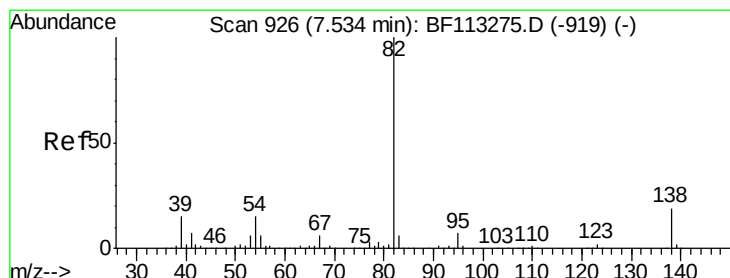
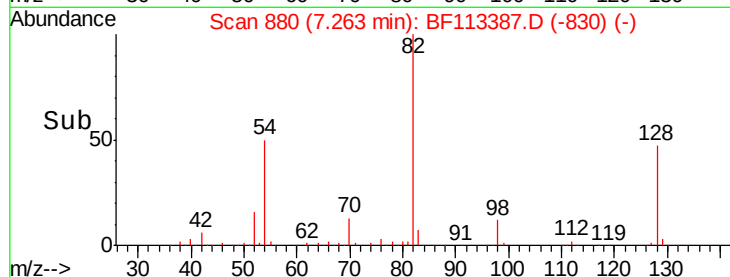
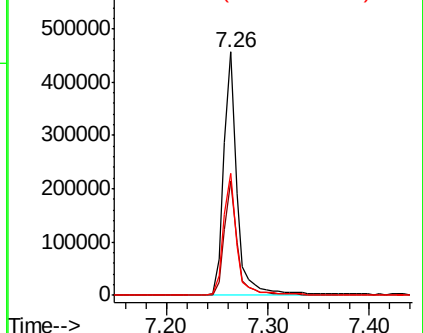
#23
Nitrobenzene-d5
Concen: 35.309 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-A

Tgt Ion: 82 Resp: 420100
Ion Ratio Lower Upper
82 100
128 46.8 36.5 54.7
54 49.9 42.2 63.2

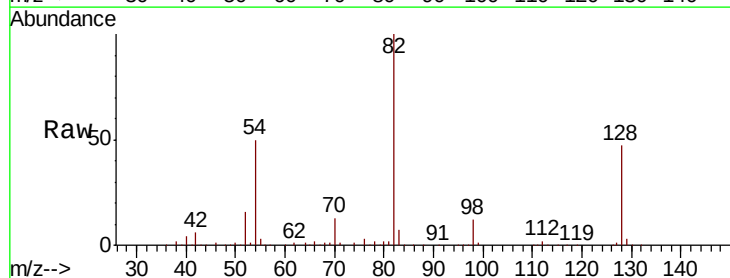


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

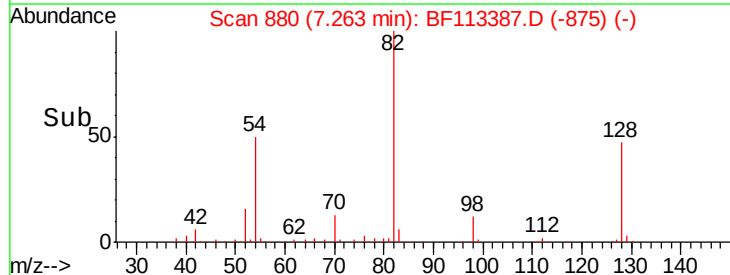
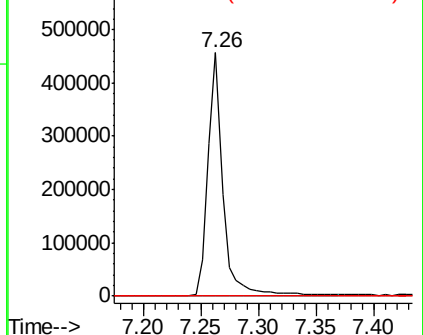


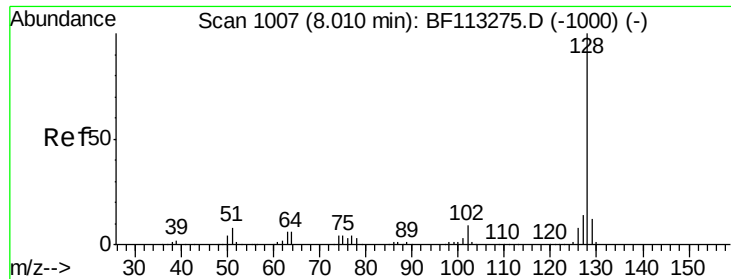
#25
Isophorone
Concen: 18.049 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion: 82 Resp: 416156
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

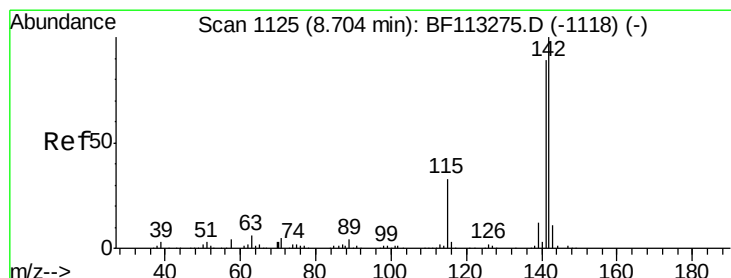
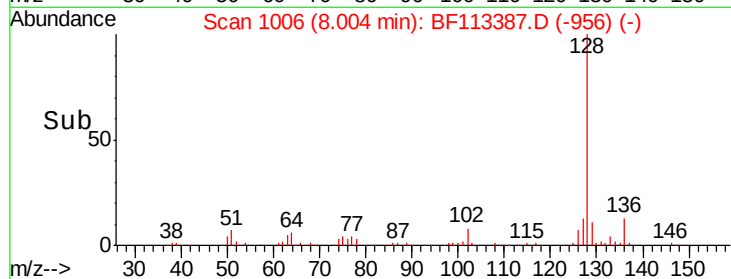
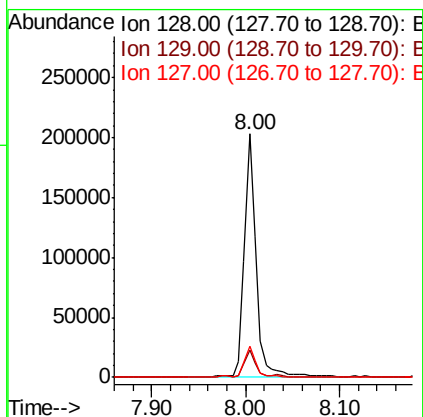
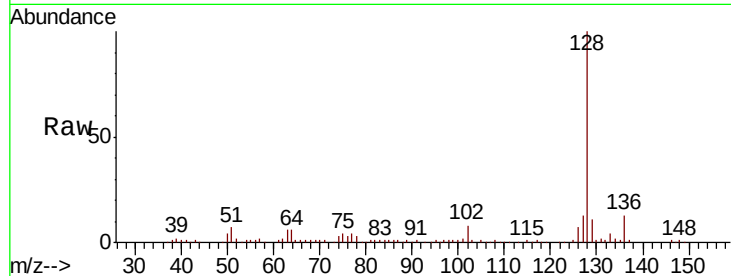




#31
Naphthalene
Concen: 5.251 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

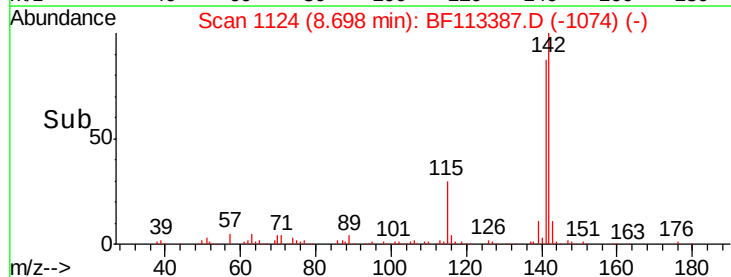
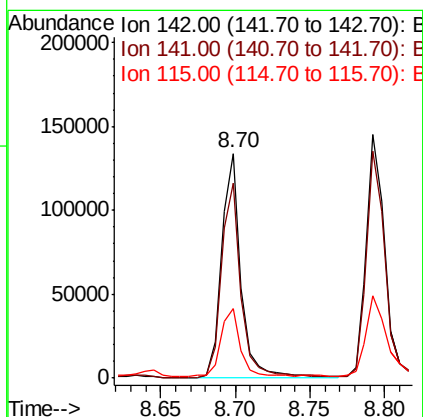
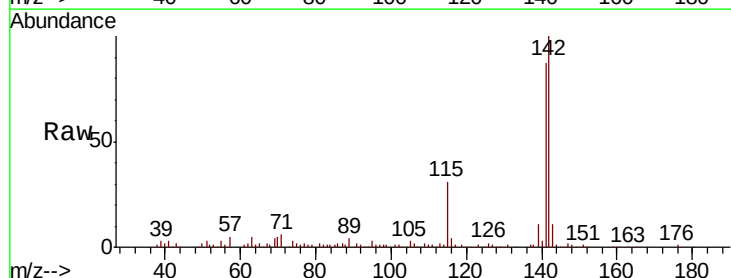
Instrument :
BNA_F
ClientSampleId :
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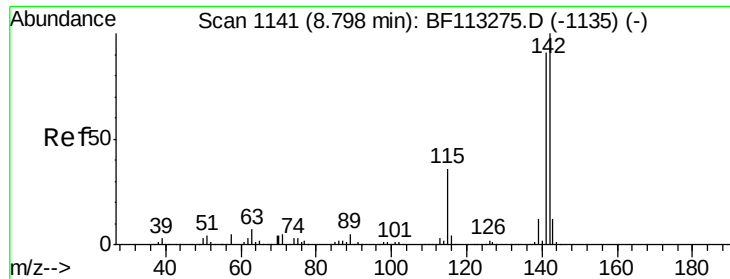
Tgt Ion:128 Resp: 181207
Ion Ratio Lower Upper
128 100
129 11.1 9.3 13.9
127 12.8 10.9 16.3



#37
2-Methylnaphthalene
Concen: 5.738 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion:142 Resp: 123564
Ion Ratio Lower Upper
142 100
141 86.7 71.0 106.6
115 30.7 26.6 39.8

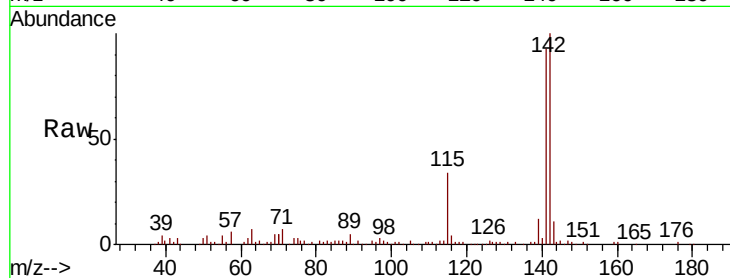




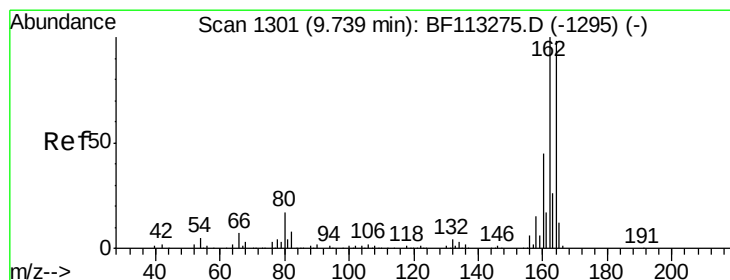
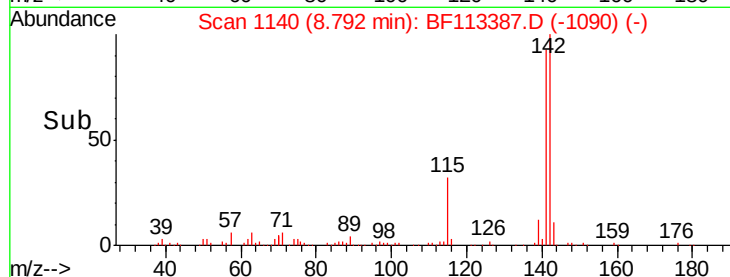
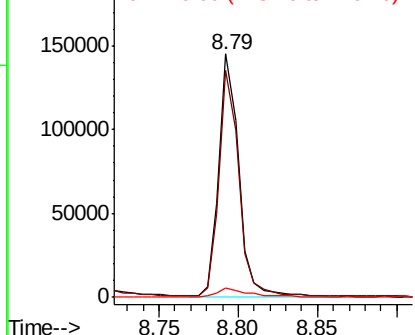
#38
 1-Methylnaphthalene
 Concen: 6.130 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF113387.D
 Acq: 28 Mar 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032719-A

Tgt Ion:142 Resp: 126968
 Ion Ratio Lower Upper
 142 100
 141 93.0 73.2 109.8
 116 3.8 3.0 4.4

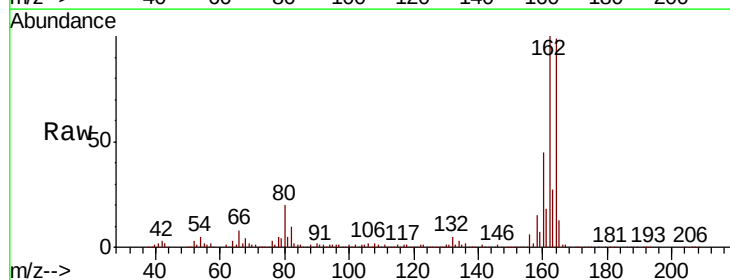


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

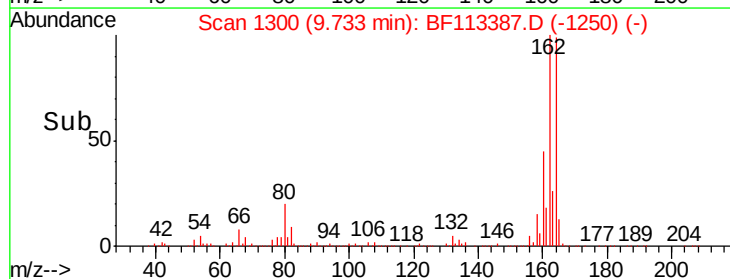
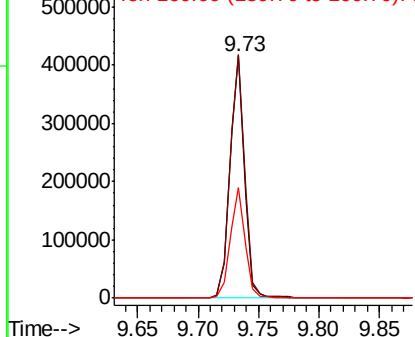


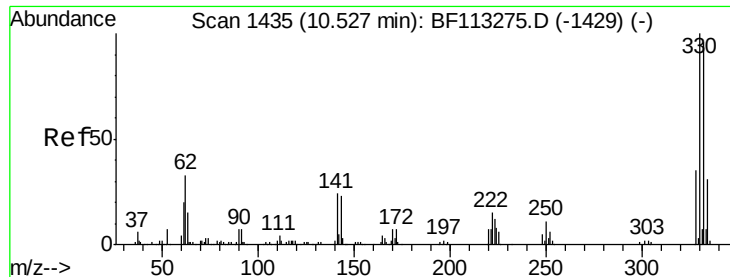
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113387.D
 Acq: 28 Mar 2019 21:30

Tgt Ion:164 Resp: 348239
 Ion Ratio Lower Upper
 164 100
 162 100.7 81.8 122.6
 160 45.5 36.4 54.6



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: 48.269 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

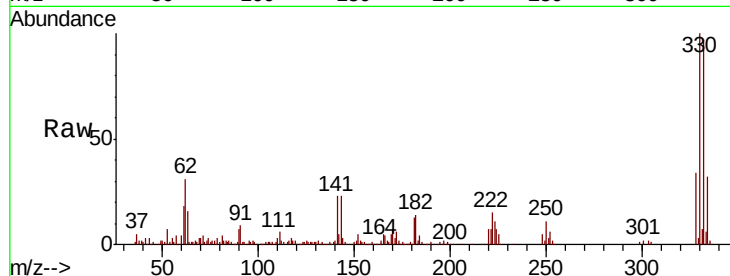
Tgt Ion:330 Resp: 207632

Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.6

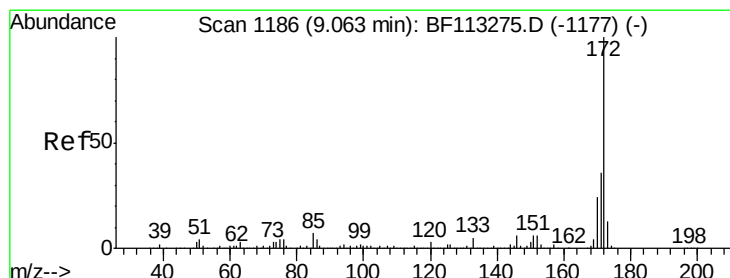
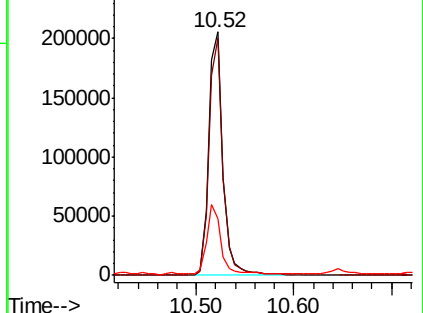
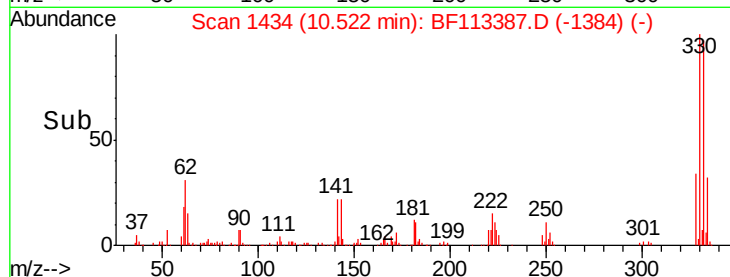
141 28.0 22.7 34.1



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: 23.608 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

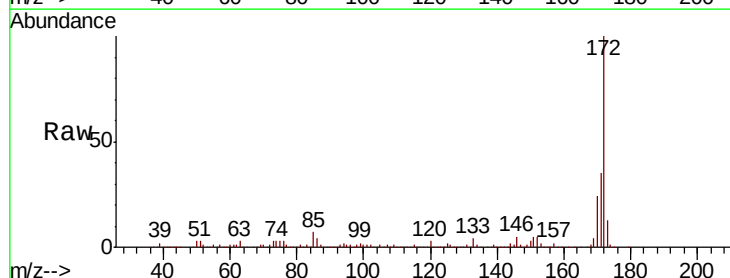
Tgt Ion:172 Resp: 807552

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

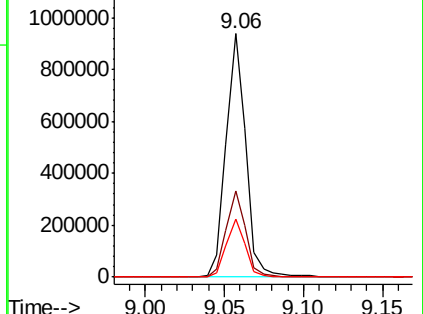
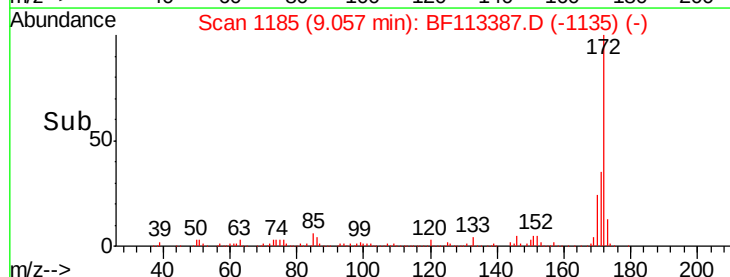
170 23.9 19.5 29.3

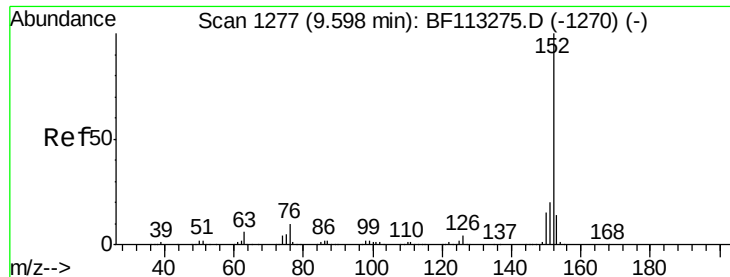


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.261 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

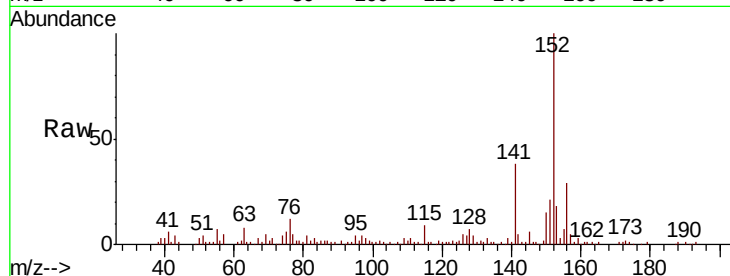
Tgt Ion:152 Resp: 81874

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

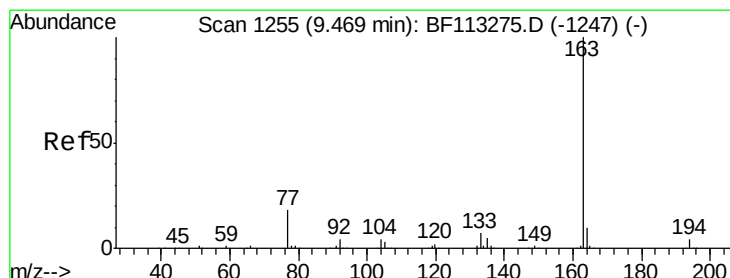
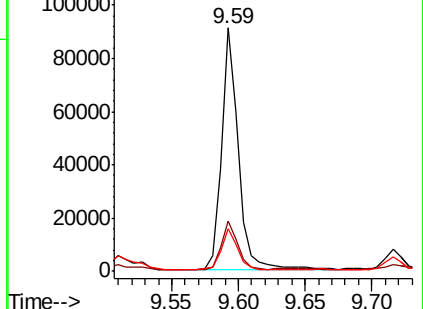
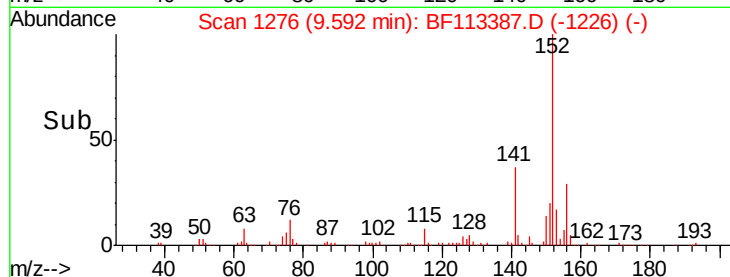
153 17.5 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.677 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

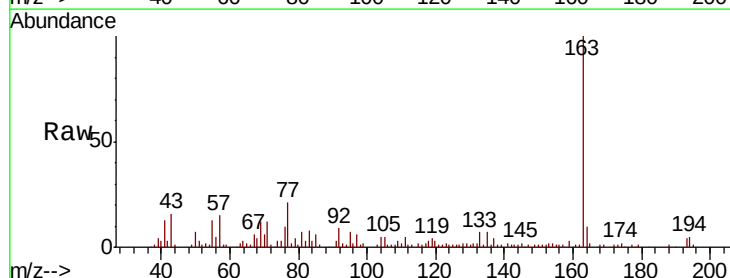
Tgt Ion:163 Resp: 69081

Ion Ratio Lower Upper

163 100

194 5.0 3.0 4.6#

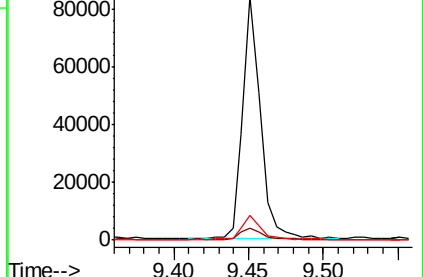
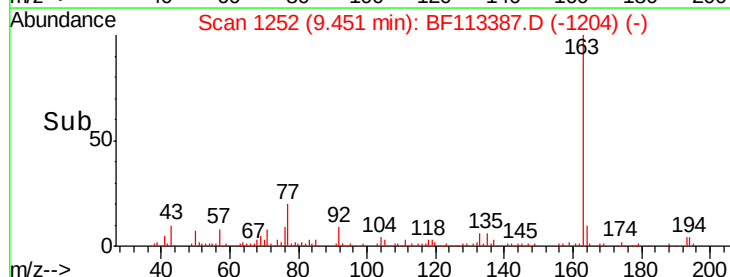
164 10.2 8.1 12.1

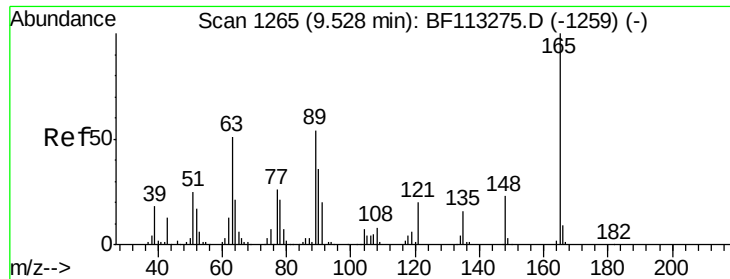


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

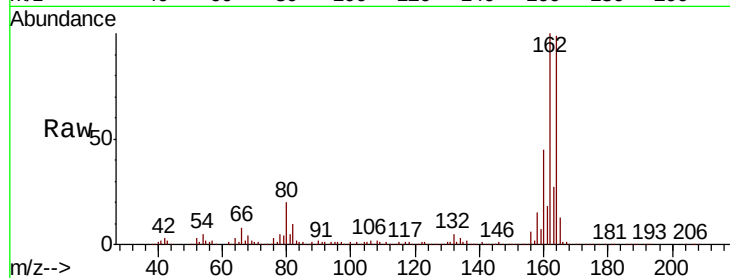




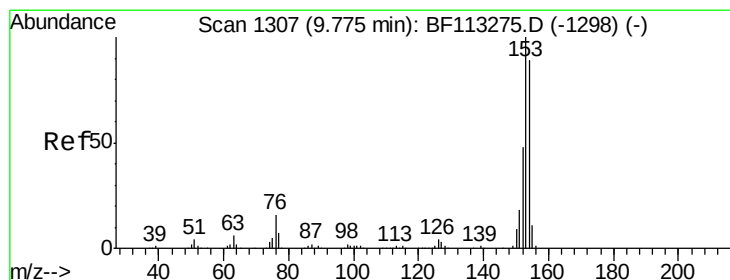
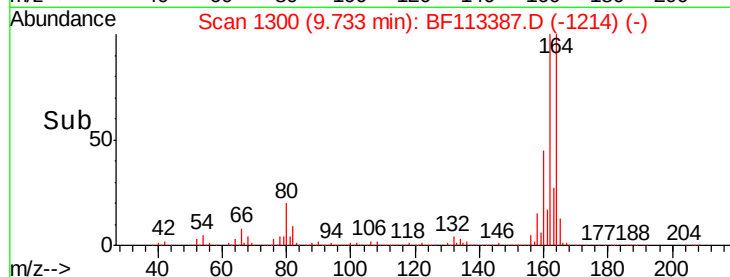
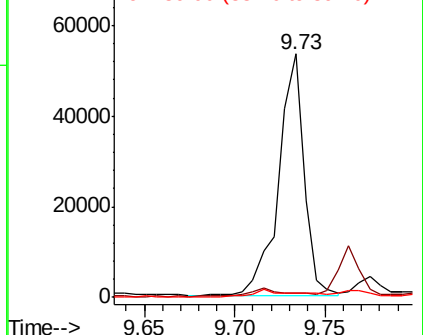
#51
 2,6-Dinitrotoluene
 Concen: 8.990 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.21 min
 Lab File: BF113387.D
 Acq: 28 Mar 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032719-A

Tgt Ion:165 Resp: 52340
 Ion Ratio Lower Upper
 165 100
 63 1.7 43.4 65.0#
 89 1.9 43.1 64.7#

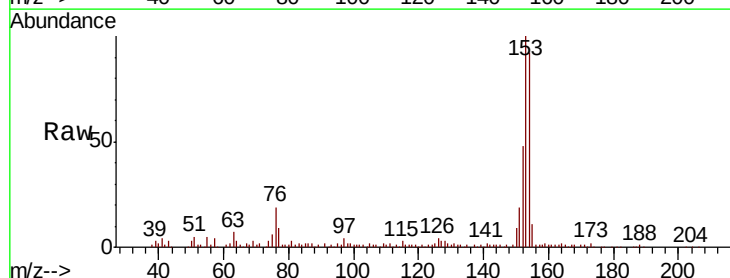


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

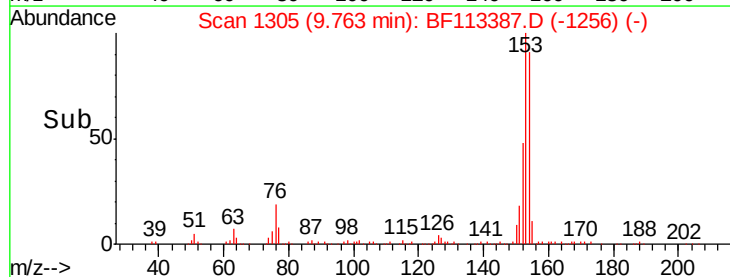
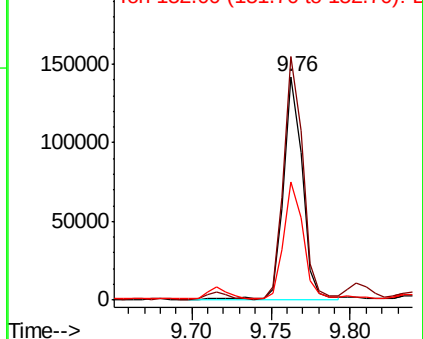


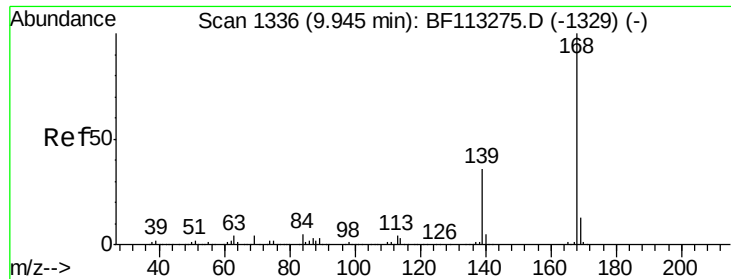
#52
 Acenaphthene
 Concen: 5.731 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF113387.D
 Acq: 28 Mar 2019 21:30

Tgt Ion:154 Resp: 116865
 Ion Ratio Lower Upper
 154 100
 153 109.0 89.5 134.3
 152 52.7 43.3 64.9



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

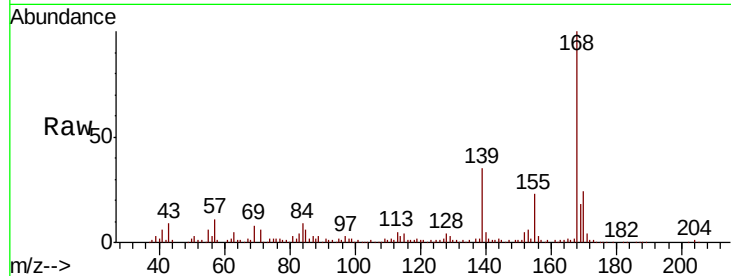




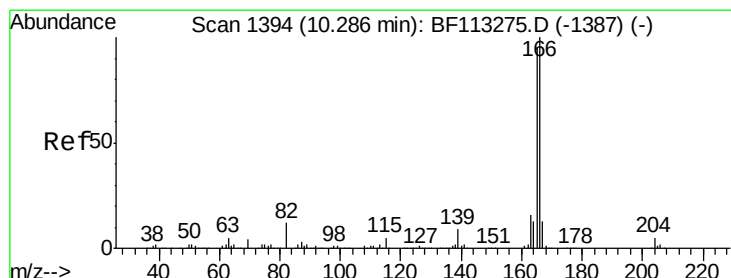
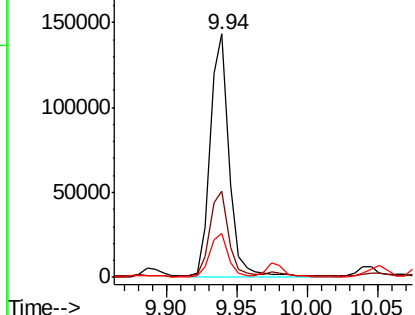
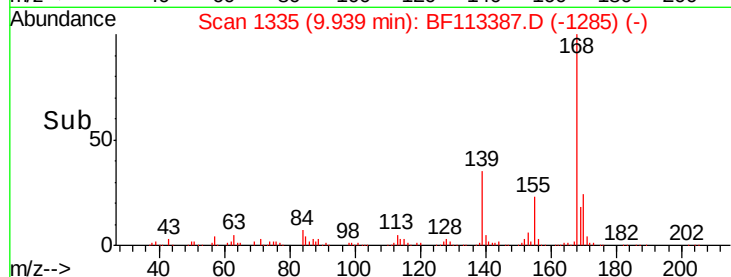
#55
Dibenzenofuran
Concen: 4.299 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-A

Tgt Ion:168 Resp: 131779
Ion Ratio Lower Upper
168 100
139 35.4 29.7 44.5
169 17.9 10.7 16.1#

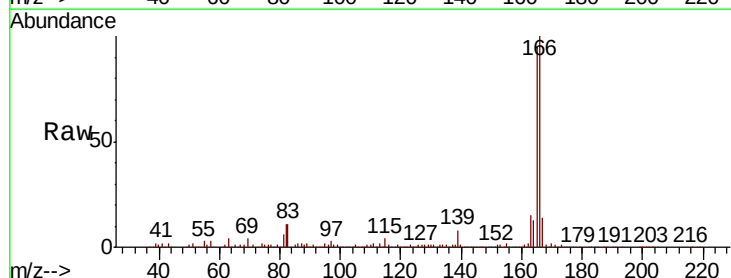


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

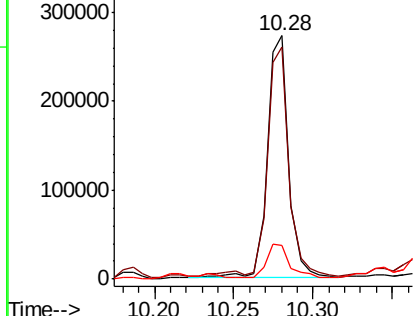
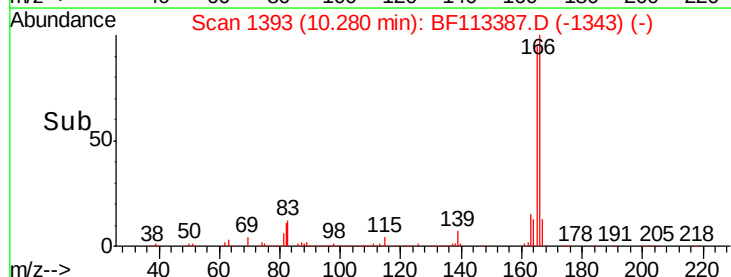


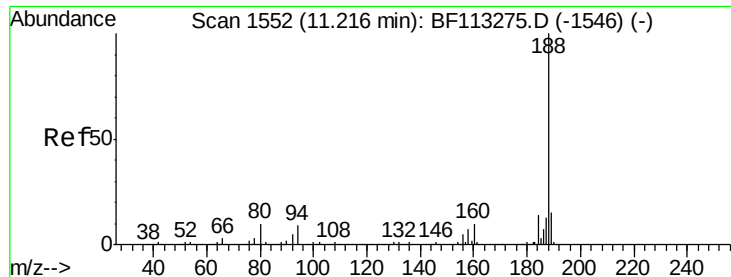
#58
Fluorene
Concen: 10.812 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion:166 Resp: 257475
Ion Ratio Lower Upper
166 100
165 95.3 76.2 114.2
167 13.7 10.7 16.1



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: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

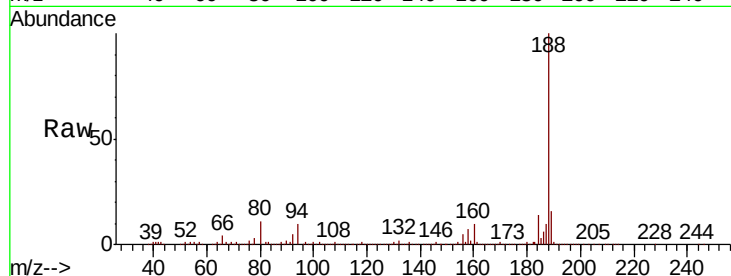
Tgt Ion:188 Resp: 653458

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

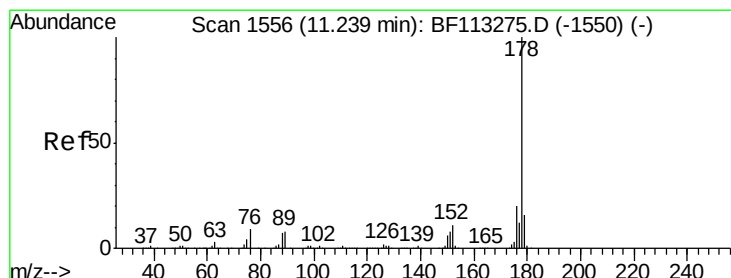
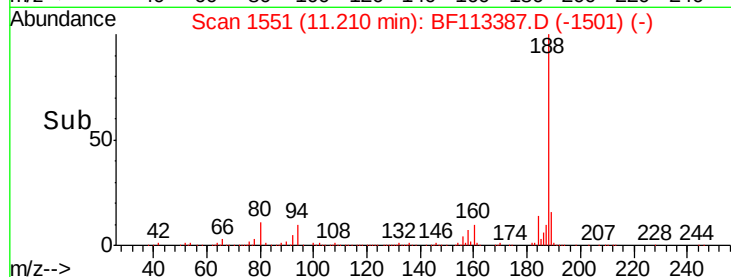
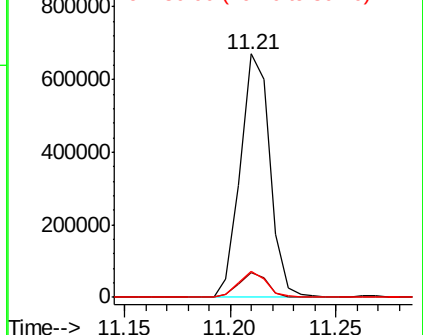
80 10.7 7.7 11.5



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: 42.911 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

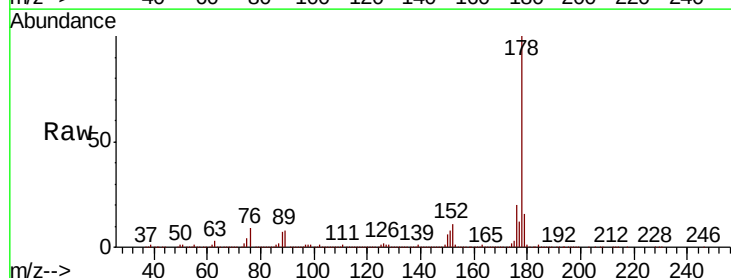
Tgt Ion:178 Resp: 1392509

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.2

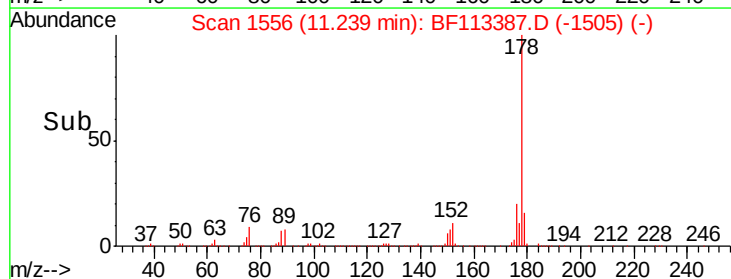
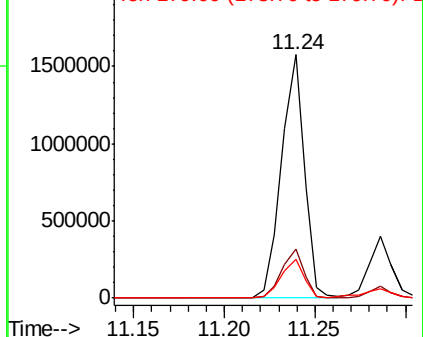
179 16.0 12.7 19.1

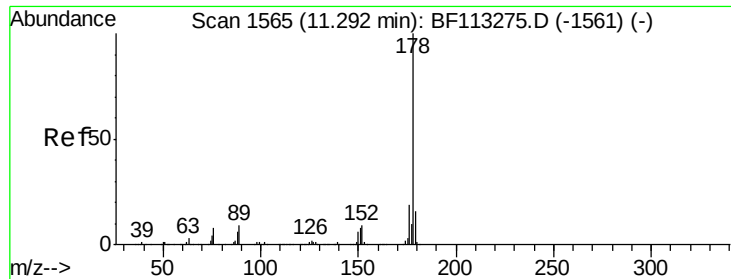


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 9.859 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

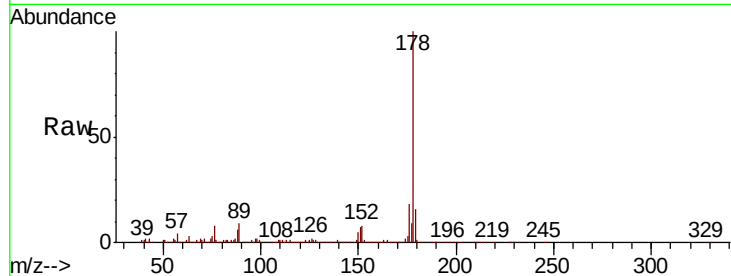
Tgt Ion:178 Resp: 324972

Ion Ratio Lower Upper

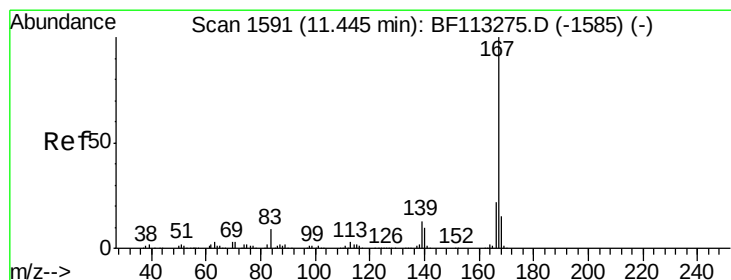
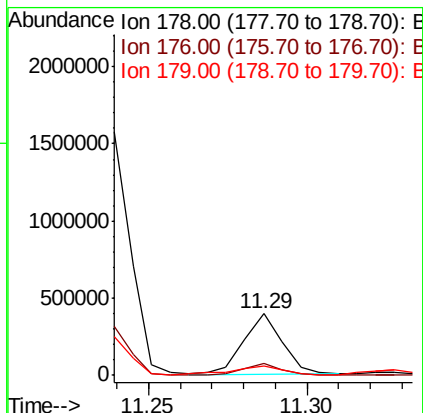
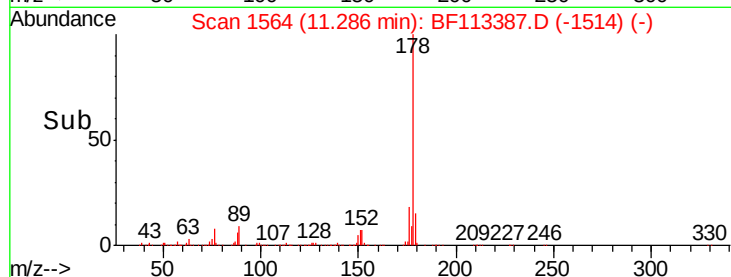
178 100

176 18.4 15.4 23.2

179 15.8 12.8 19.2



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



#73

Carbazole

Concen: 3.625 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

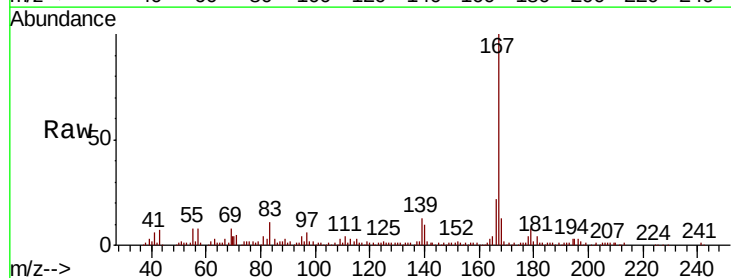
Tgt Ion:167 Resp: 114015

Ion Ratio Lower Upper

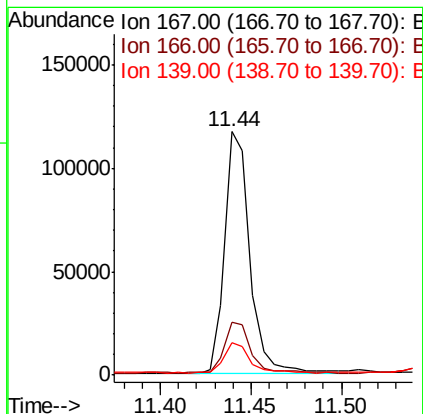
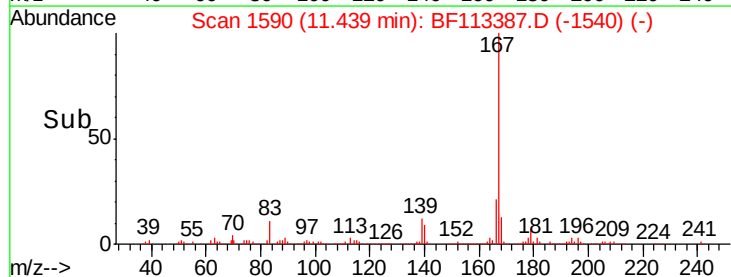
167 100

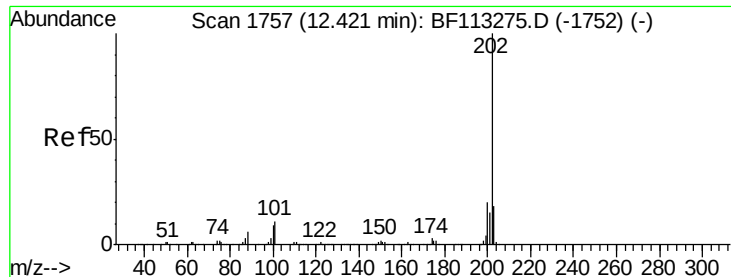
166 21.6 17.4 26.0

139 13.1 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 27.472 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

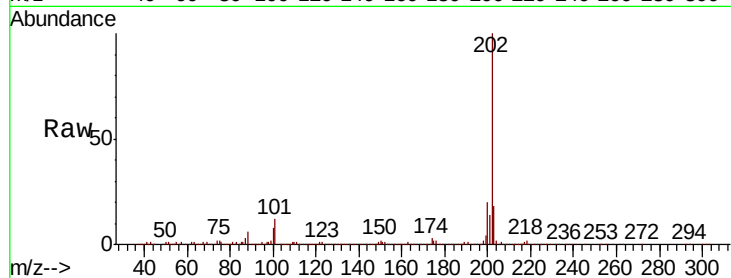
Tgt Ion:202 Resp: 1007828

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 17.9 0.0 38.0

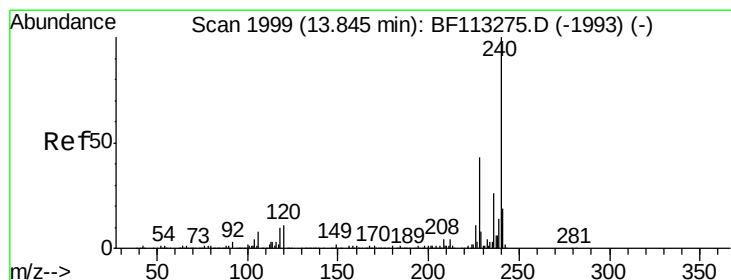
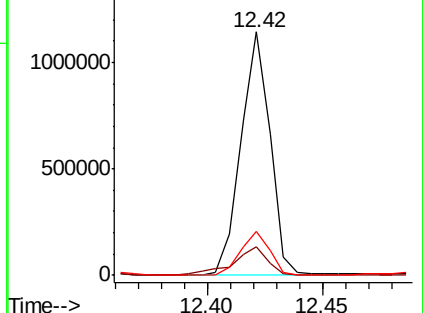
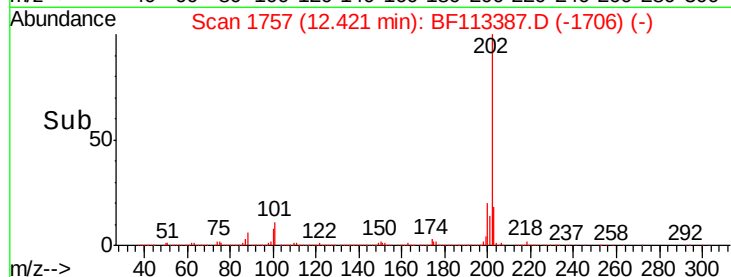


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

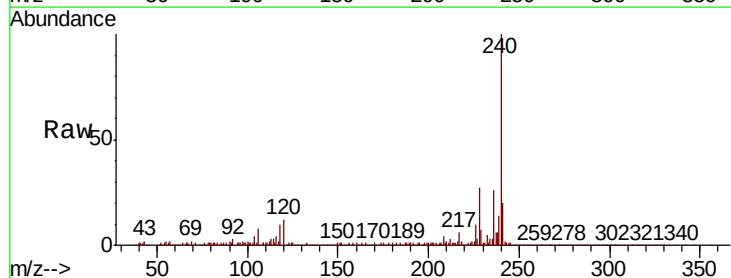
Tgt Ion:240 Resp: 444971

Ion Ratio Lower Upper

240 100

120 11.7 8.8 13.2

236 25.9 20.9 31.3

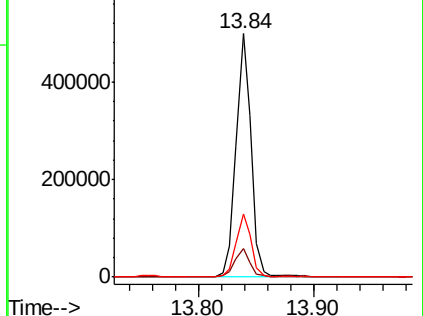
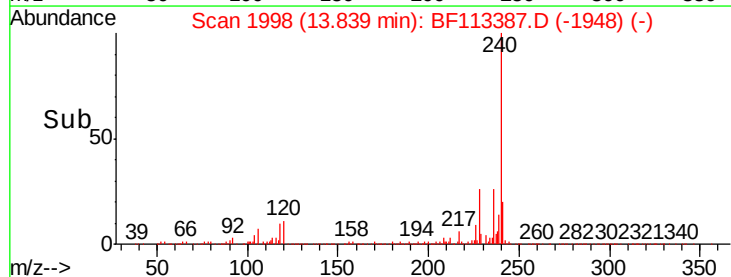


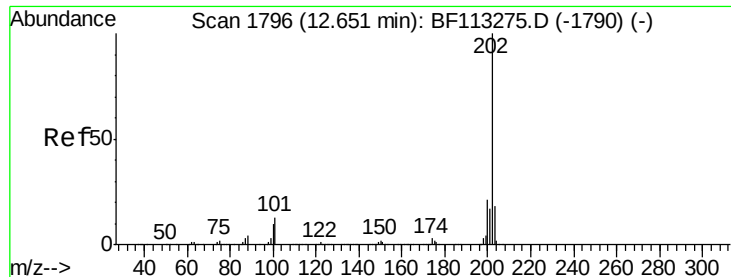
Abundance

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: 34.255 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

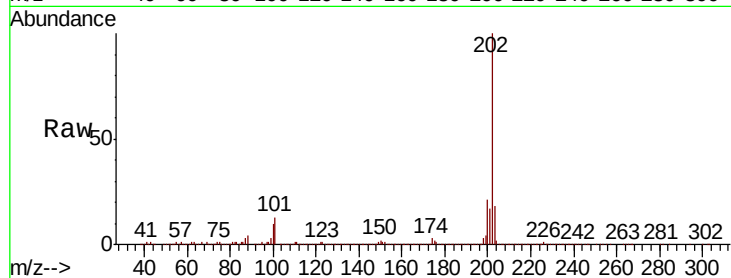
Tgt Ion:202 Resp: 1056268

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 18.3 14.4 21.6

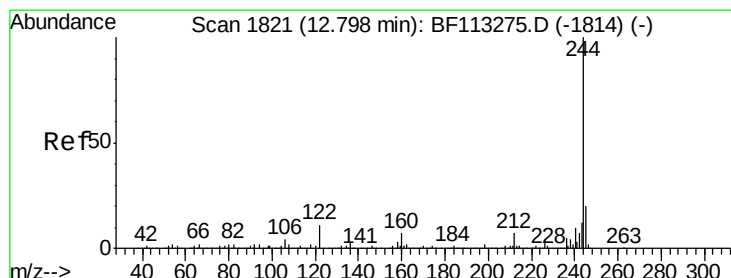
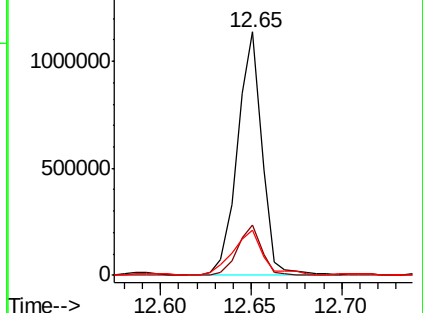
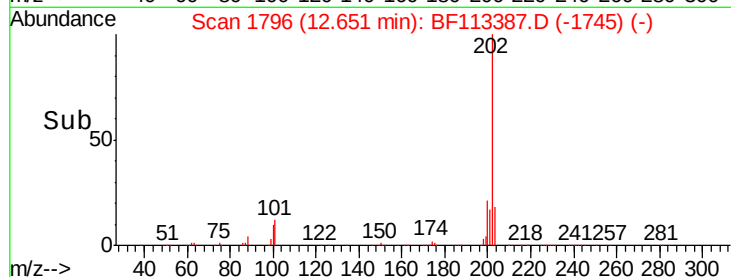


Abundance

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: 34.733 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

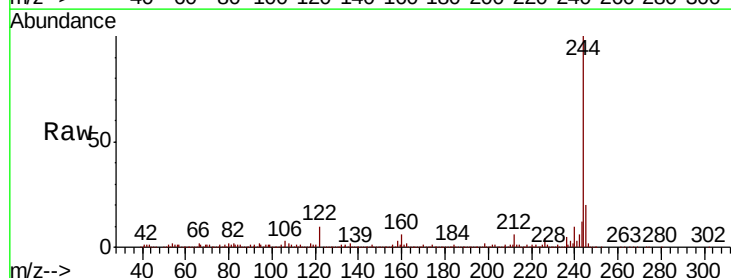
Tgt Ion:244 Resp: 701188

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

122 10.4 8.6 13.0

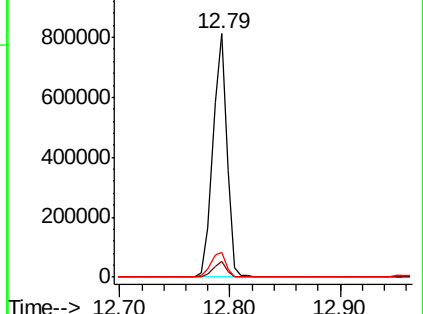
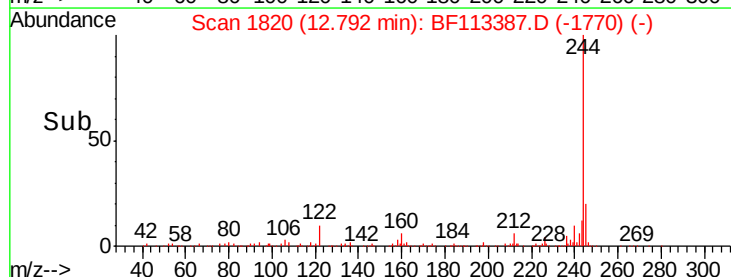


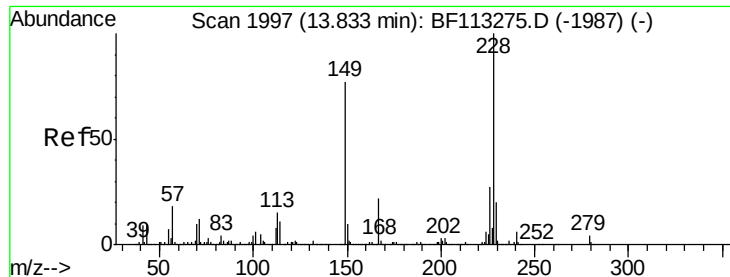
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

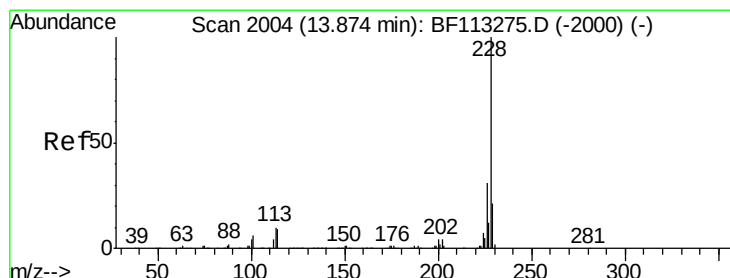
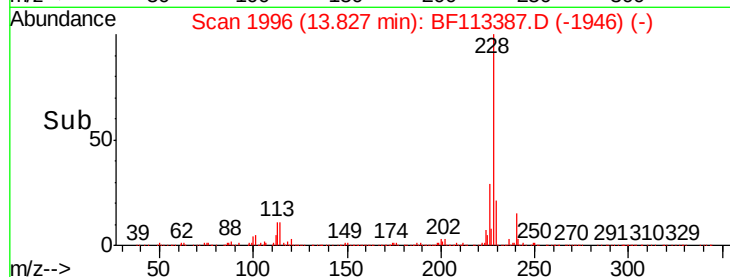
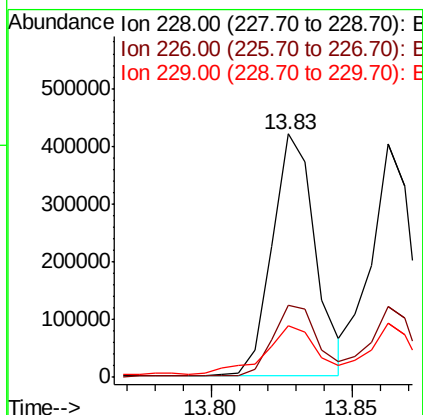
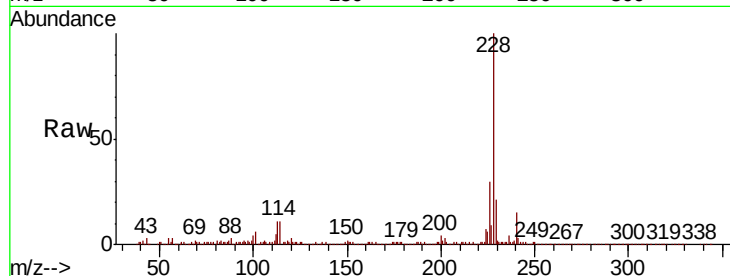




#81
Benzo(a)anthracene
Concen: 17.444 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

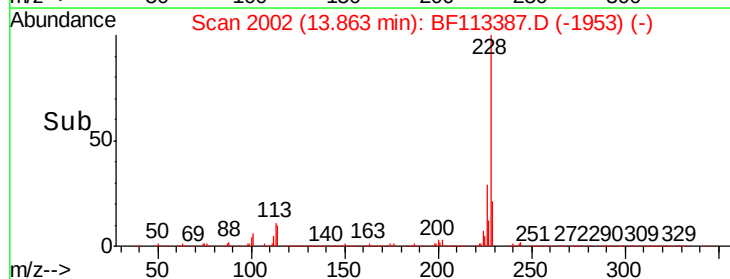
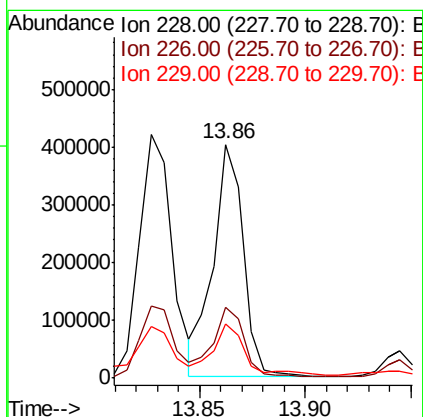
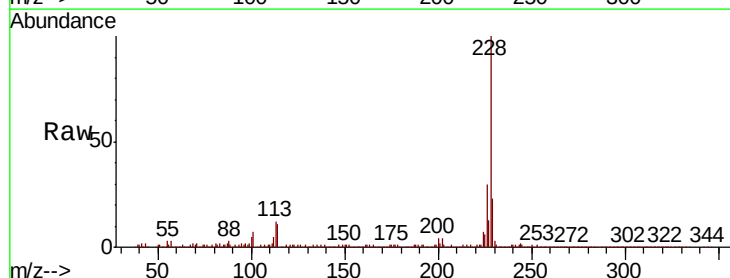
Instrument :
BNA_F
ClientSampleId :
SU-02-032719-A

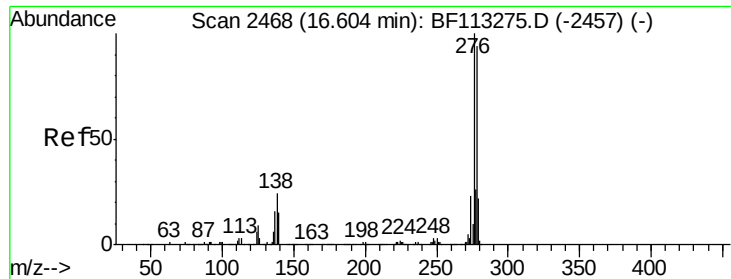
Tgt Ion:228 Resp: 444325
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 21.4 16.2 24.4



#83
Chrysene
Concen: 15.413 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion:228 Resp: 398751
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 23.1 16.3 24.5

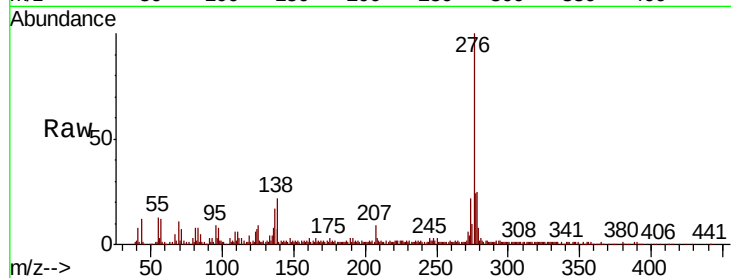




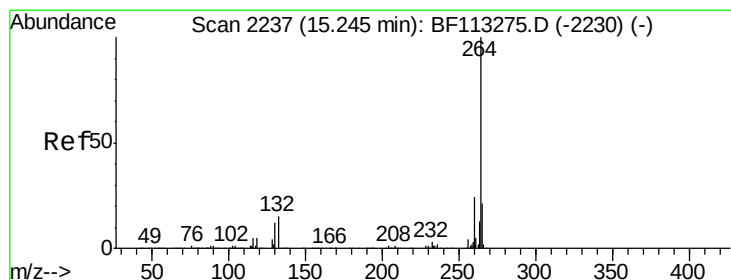
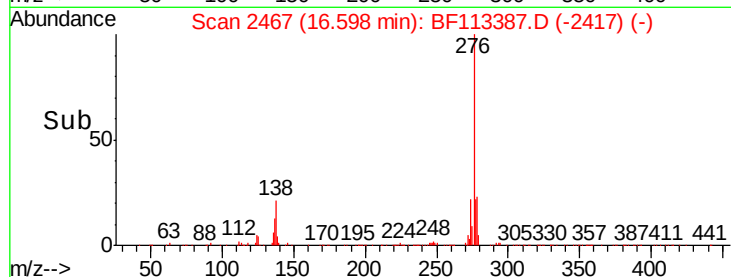
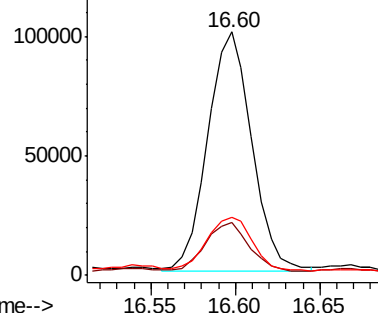
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.251 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. -0.01 min
 Lab File: BF113387.D
 Acq: 28 Mar 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032719-A

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.1	27.1
277	22.9	20.2	30.4

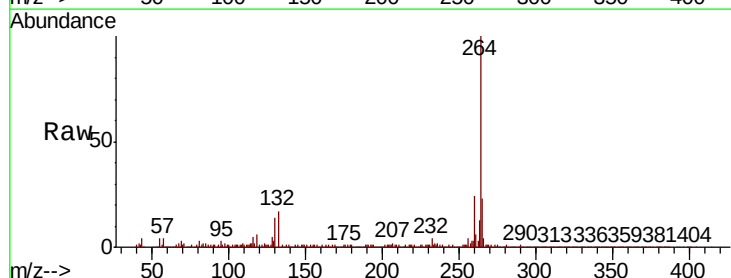


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

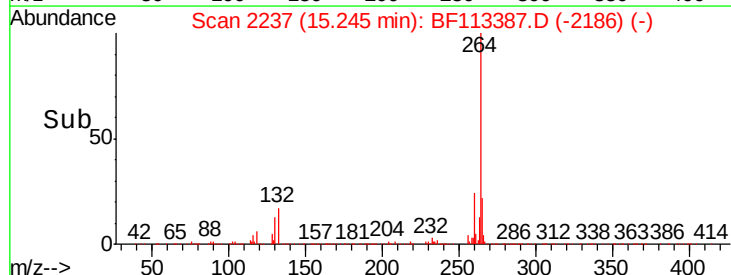
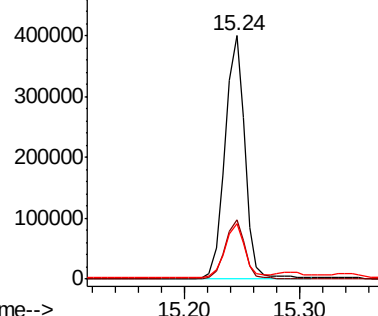


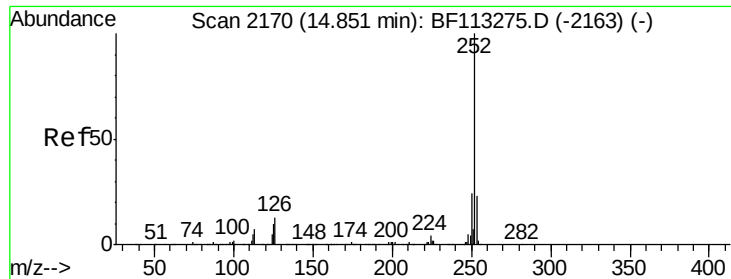
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: BF113387.D
 Acq: 28 Mar 2019 21:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	22.9	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

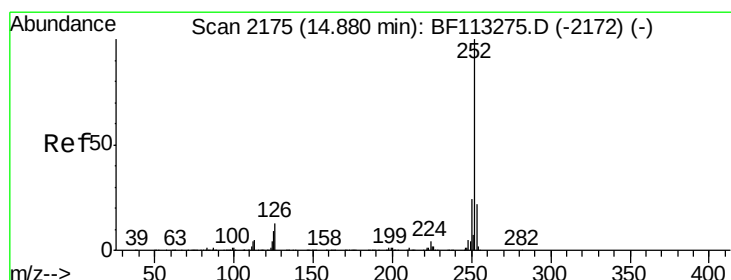
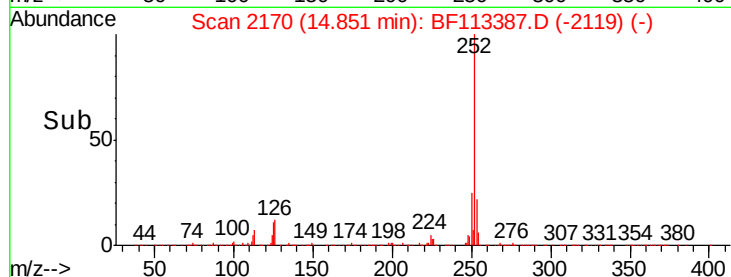
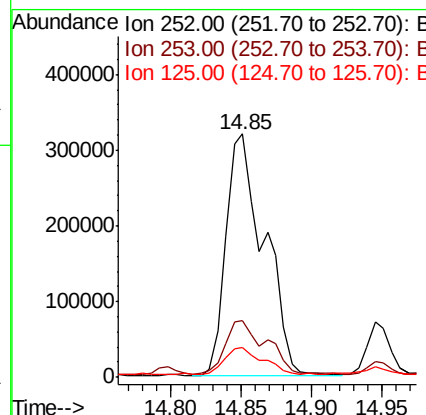
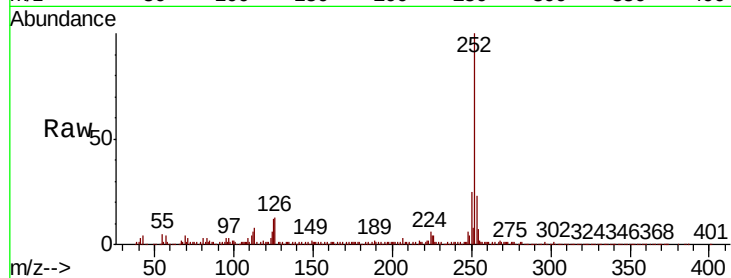




#88
Benzo(b)fluoranthene
Concen: 20.469 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

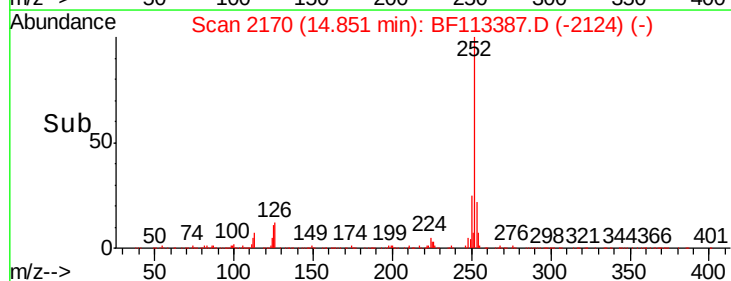
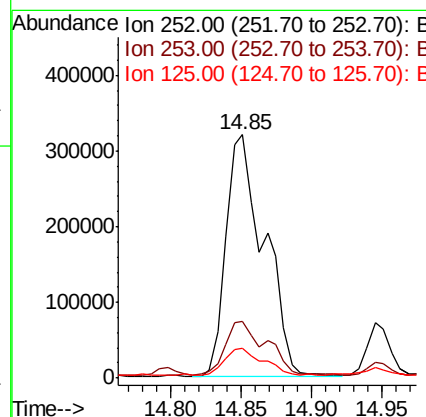
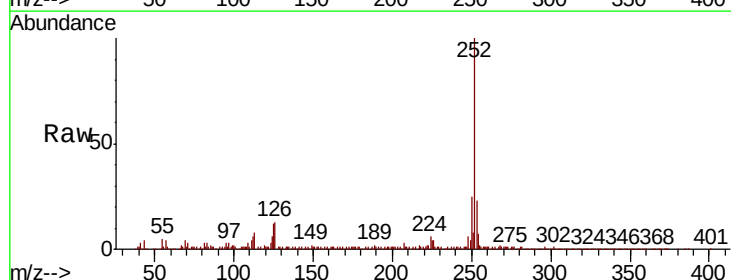
Instrument :
BNA_F
ClientSampleId :
SU-02-032719-A

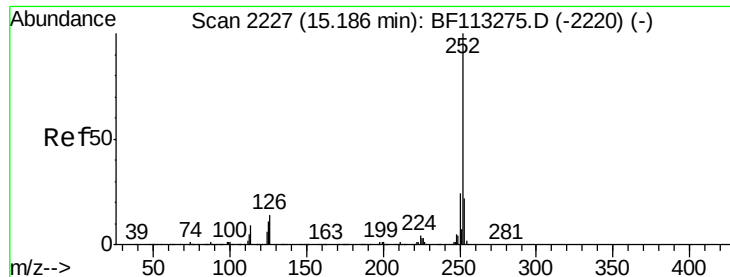
Tgt Ion:252 Resp: 605763
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 12.5 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 23.308 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113387.D
Acq: 28 Mar 2019 21:30

Tgt Ion:252 Resp: 605763
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 12.5 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 14.446 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

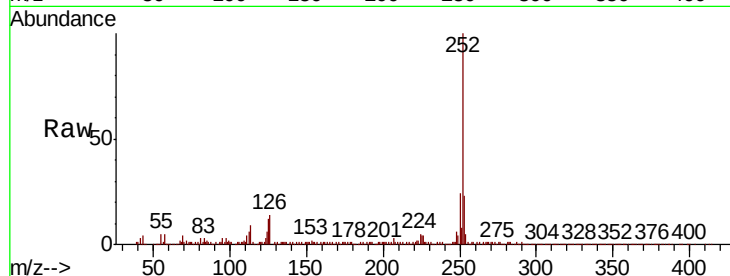
Tgt Ion:252 Resp: 379022

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

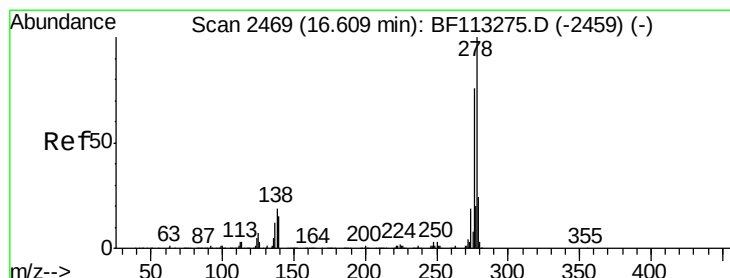
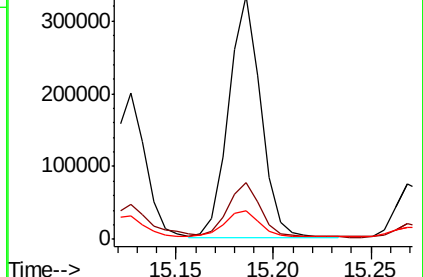
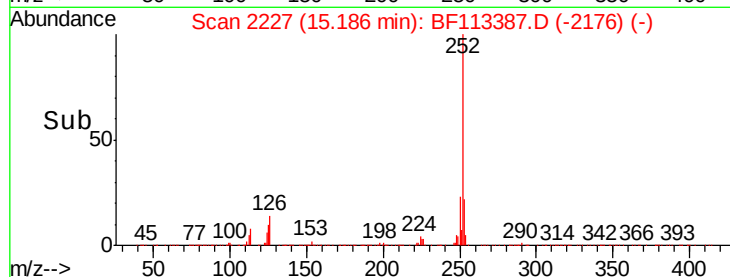
125 11.5 8.8 13.2



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



#91

Dibenzo(a,h)anthracene

Concen: 2.363 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

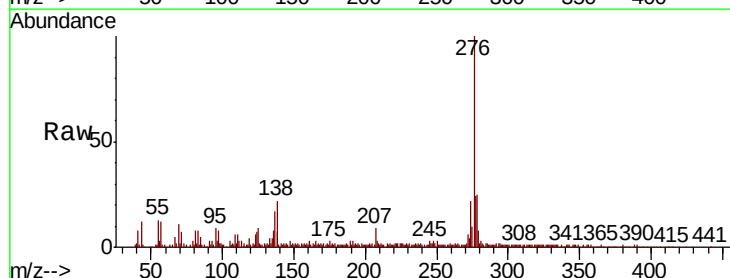
Tgt Ion:278 Resp: 53613

Ion Ratio Lower Upper

278 100

139 31.6 12.0 18.0#

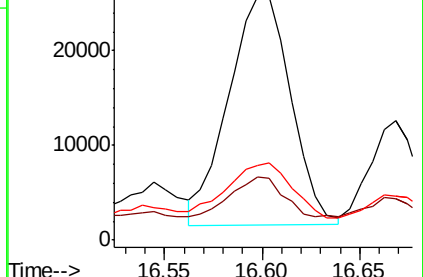
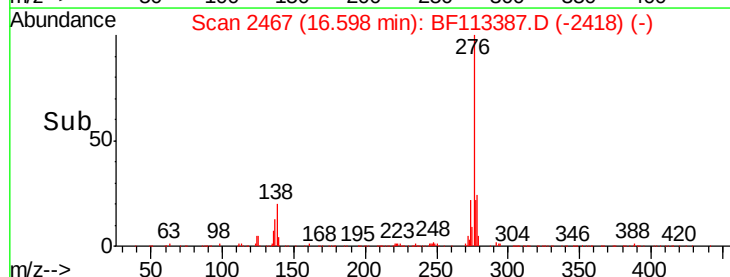
279 30.9 19.0 28.6#

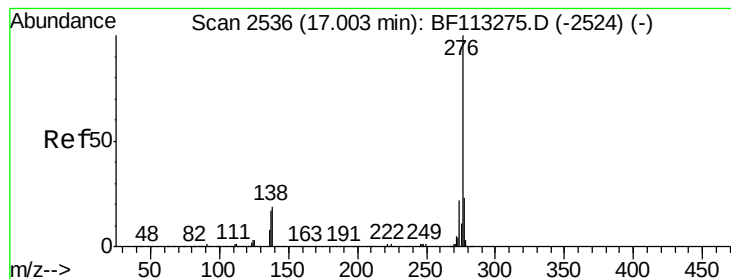


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 7.082 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF113387.D

Acq: 28 Mar 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SU-02-032719-A

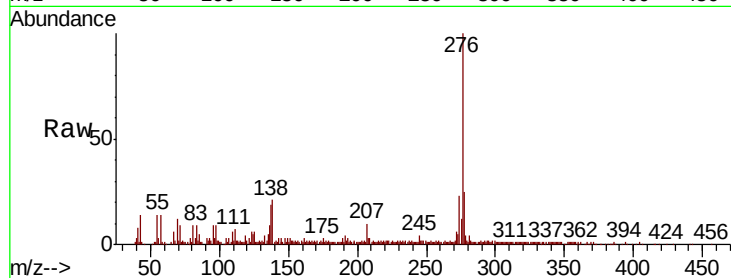
Tgt Ion: 276 Resp: 162001

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 20.9 15.6 23.4



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

