

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113455.D
 Acq On : 30 Mar 2019 12:04
 Operator : JU/SJ
 Sample : K2153-19
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-10

Quant Time: Apr 01 04:14:13 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

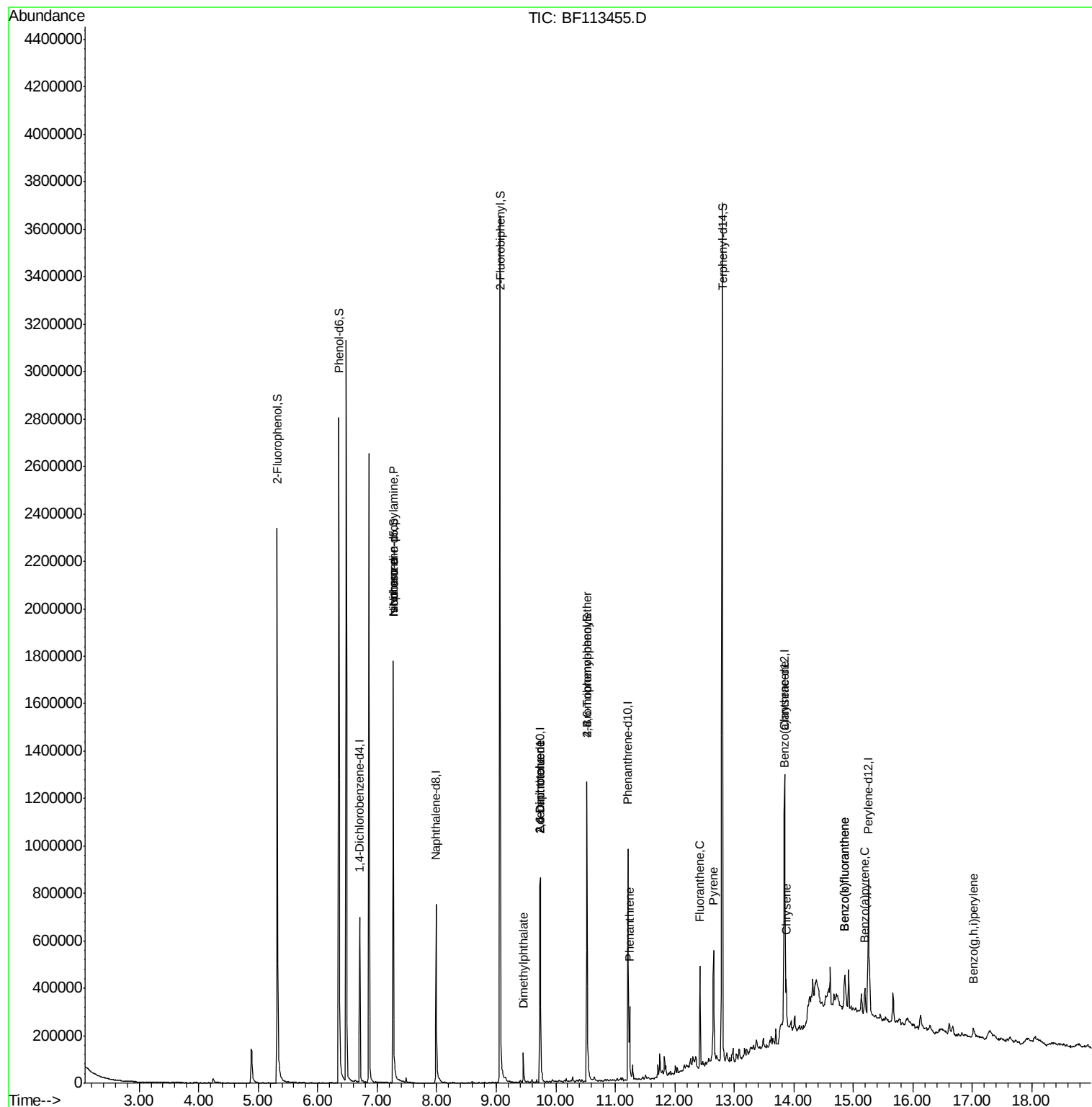
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	115278	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	420798	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	193094	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	372032	20.00	ng	0.00
76) Chrysene-d12	13.84	240	381348	20.00	ng	0.00
87) Perylene-d12	15.25	264	278472	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	740361	105.01	ng	0.00
7) Phenol-d6	6.36	99	1055134	118.30	ng	0.00
23) Nitrobenzene-d5	7.27	82	621828	87.71	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	200060	83.88	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1197920	100.44	ng	0.00
79) Terphenyl-d14	12.80	244	1337021	77.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	79528	14.196	ng	Qvalue # 77
25) Isophorone	7.27	82	621824	45.258	ng	# 64
50) Dimethylphthalate	9.46	163	58359	4.078	ng	98
51) 2,6-Dinitrotoluene	9.73	165	25349	7.852	ng	# 25
57) 2,4-Dinitrotoluene	9.73	165	25349	6.175	ng	# 22
67) 4-Bromophenyl-phenylether	10.52	248	11101	2.738	ng	# 1
71) Phenanthrene	11.24	178	109826	5.945	ng	98
75) Fluoranthene	12.42	202	179404	8.590	ng	99
78) Pyrene	12.65	202	194832	7.373	ng	98
81) Benzo(a)anthracene	13.83	228	84267	3.860	ng	98
83) Chrysene	13.87	228	75233	3.393	ng	99
88) Benzo(b)fluoranthene	14.85	252	91670	5.299	ng	# 92
89) Benzo(k)fluoranthene	14.85	252	91670	6.034	ng	# 91
90) Benzo(a)pyrene	15.19	252	51962	3.388	ng	# 95
92) Benzo(g,h,i)perylene	17.02	276	28458	2.128	ng	# 90

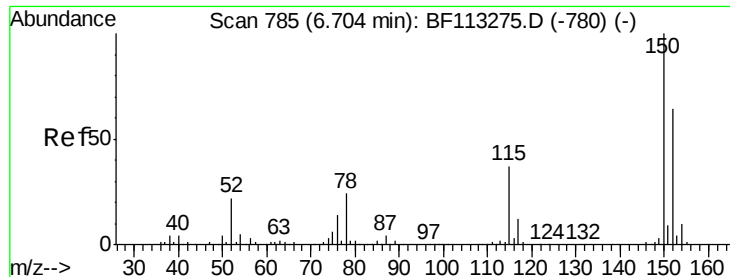
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Instrument :

BNA_F

ClientSampled :

CONC-10

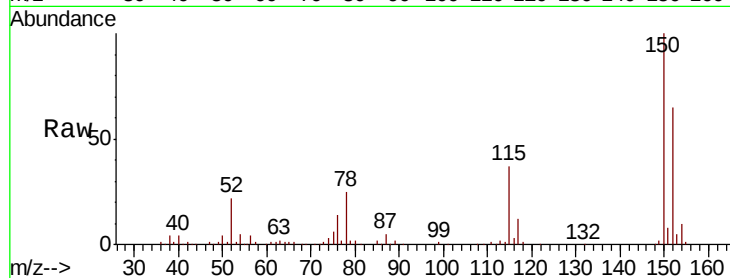
Tgt Ion:152 Resp: 115278

Ion Ratio Lower Upper

152 100

150 153.0 124.7 187.1

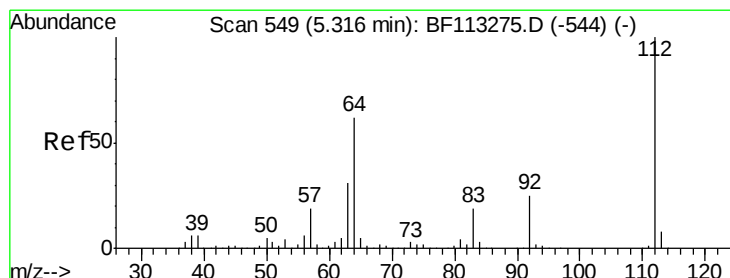
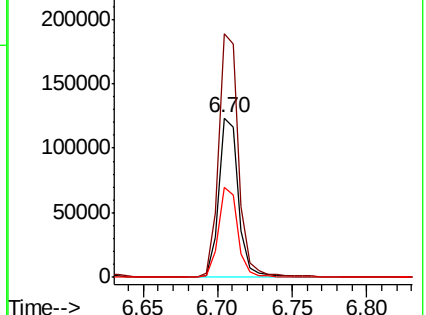
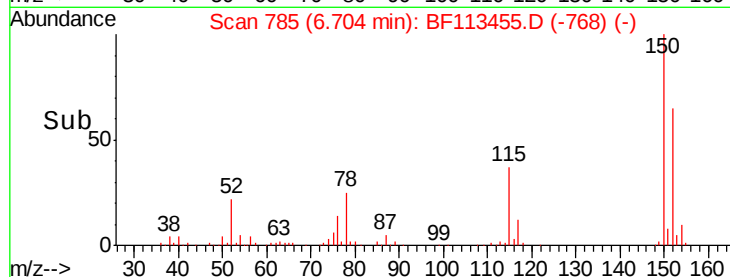
115 56.9 46.0 69.0



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: 105.014 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

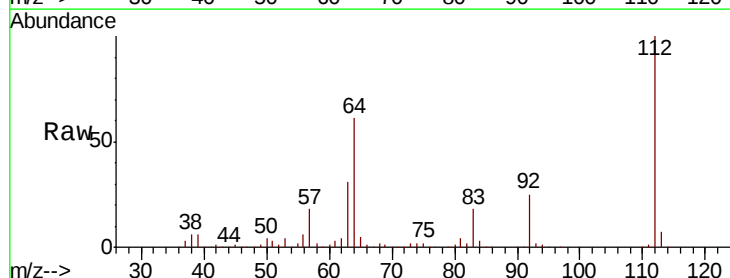
Tgt Ion:112 Resp: 740361

Ion Ratio Lower Upper

112 100

64 60.6 49.2 73.8

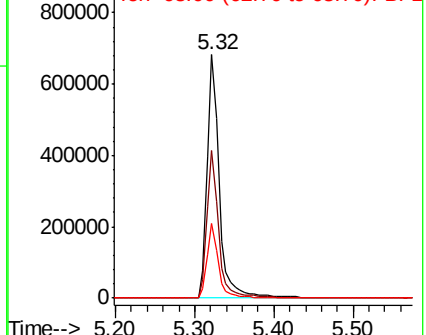
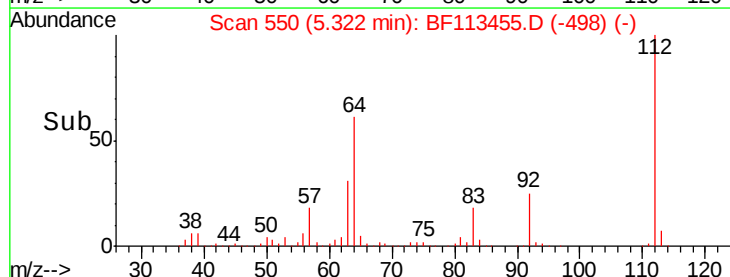
63 30.7 24.9 37.3

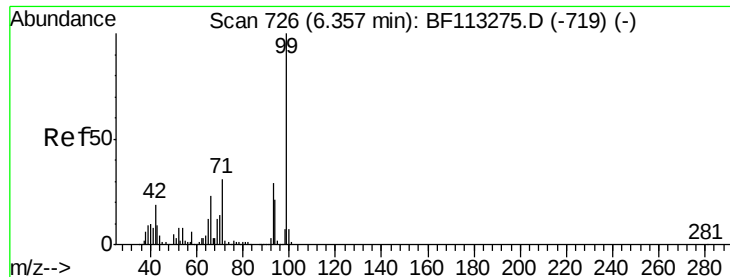


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.305 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Instrument :

BNA_F

ClientSampleId :

CONC-10

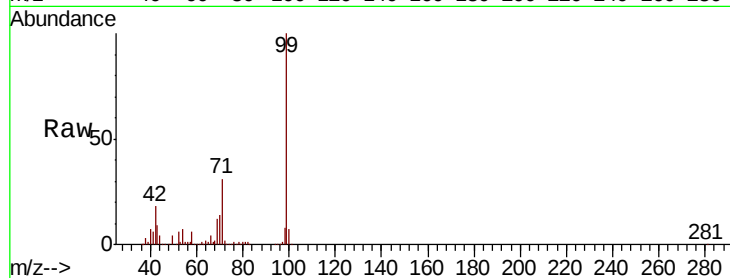
Tgt Ion: 99 Resp: 1055134

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

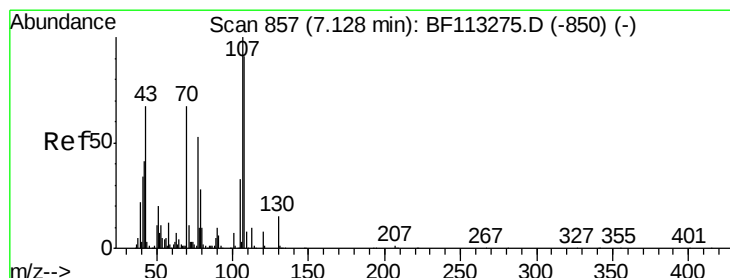
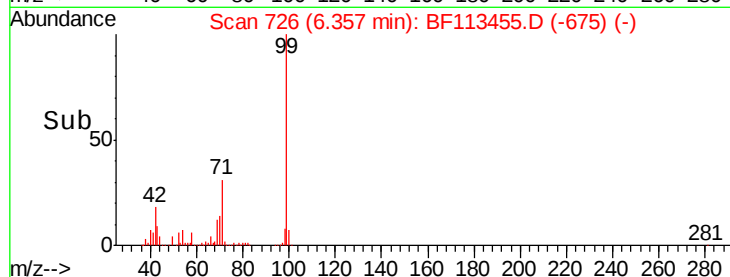
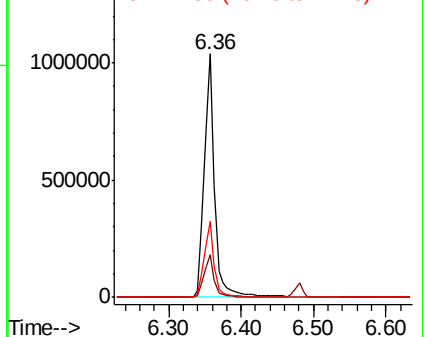
71 31.0 24.9 37.3



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: 14.196 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Tgt Ion: 70 Resp: 79528

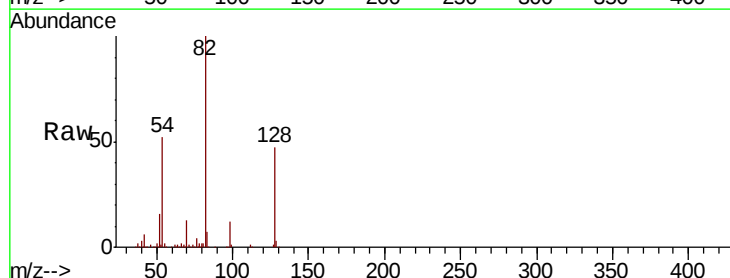
Ion Ratio Lower Upper

70 100

42 48.6 48.4 72.6

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

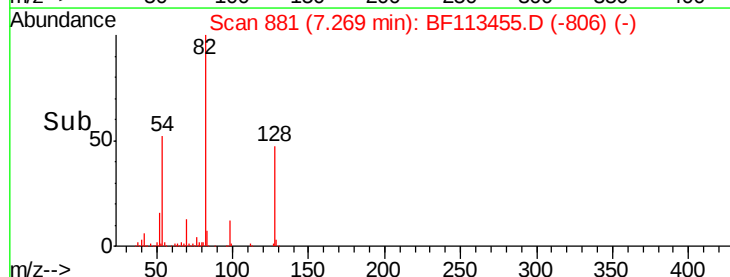
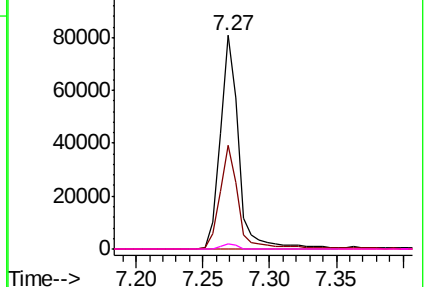


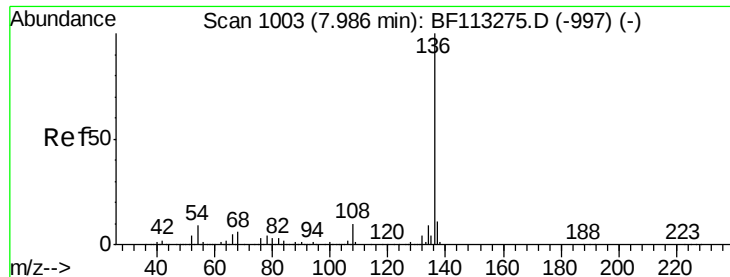
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

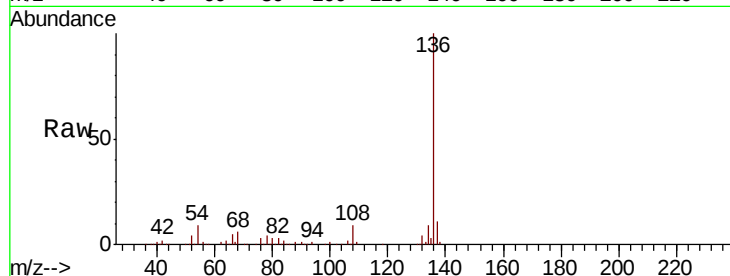




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Instrument :
BNA_F
ClientSampled :
CONC-10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.8	7.0	10.6
68	6.3	4.8	7.2



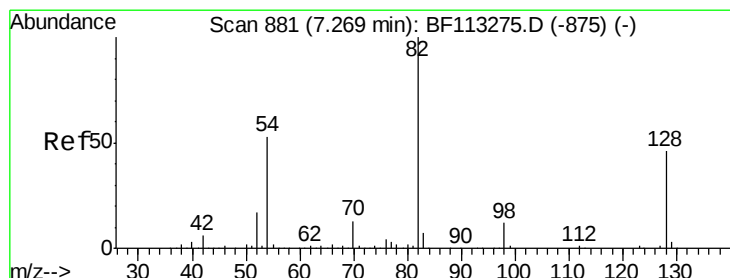
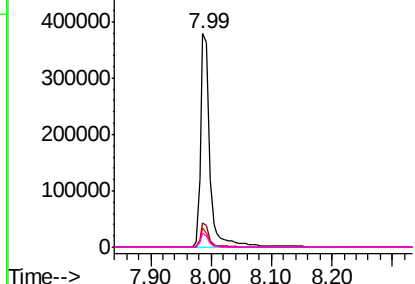
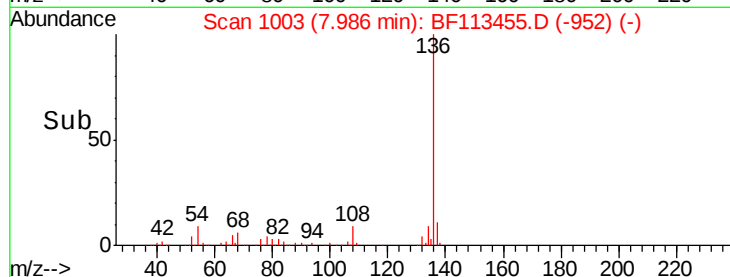
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

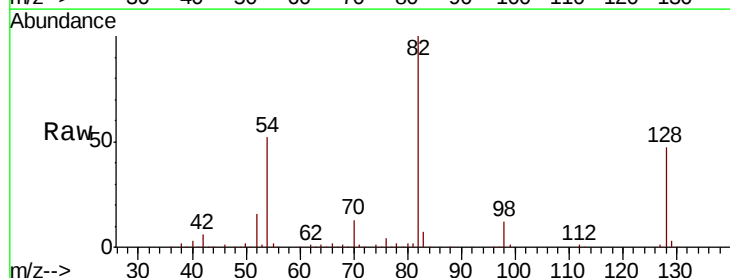
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 87.710 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.5	54.7
54	52.1	42.2	63.2

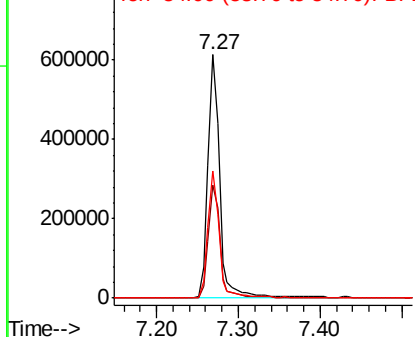
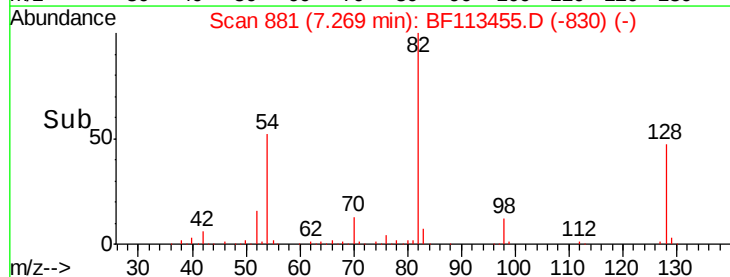


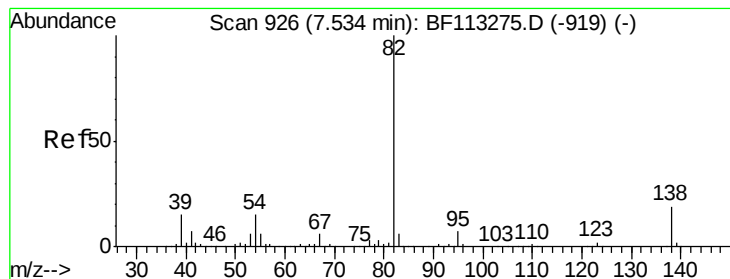
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.258 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Instrument :

BNA_F

ClientSampleId :

CONC-10

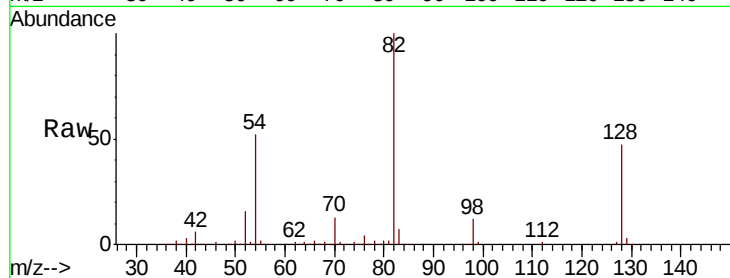
Tgt Ion: 82 Resp: 621824

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

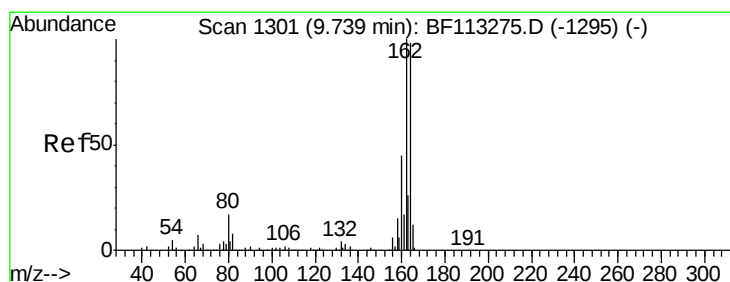
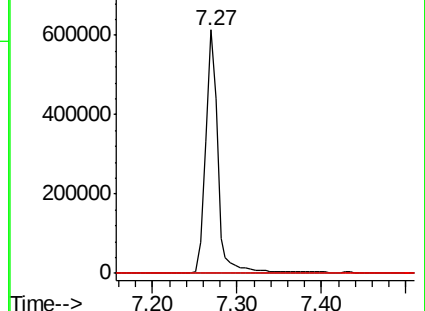
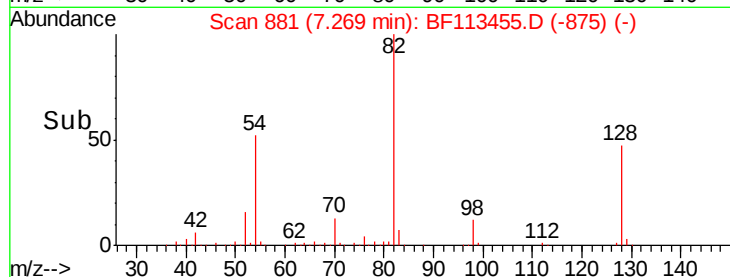
138 0.0 15.2 22.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

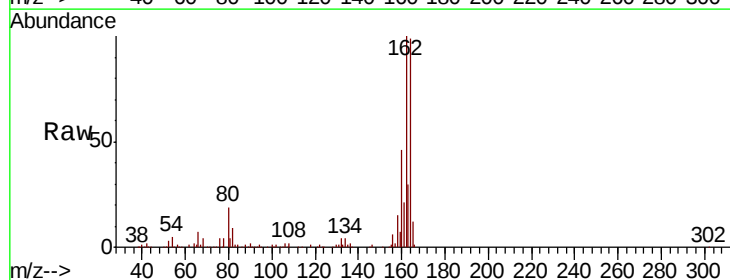
Tgt Ion: 164 Resp: 193094

Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

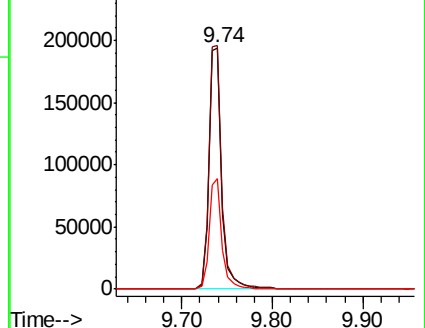
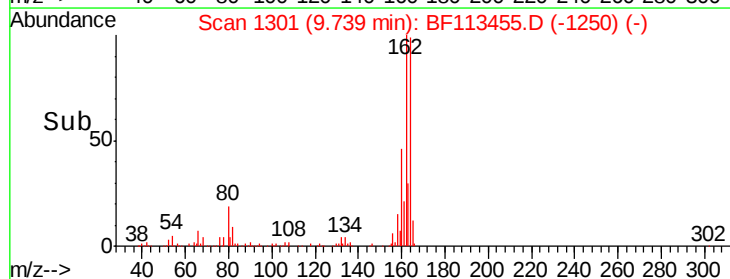
160 46.0 36.4 54.6

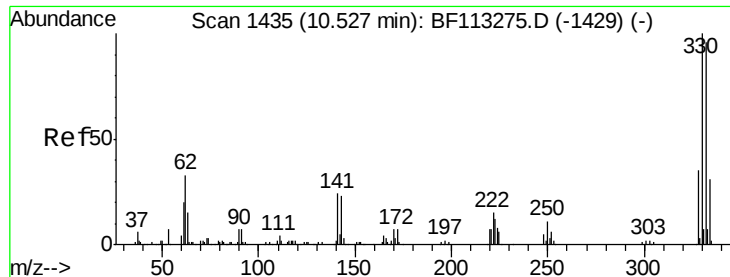


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 83.877 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Instrument :

BNA_F

ClientSampleId :

CONC-10

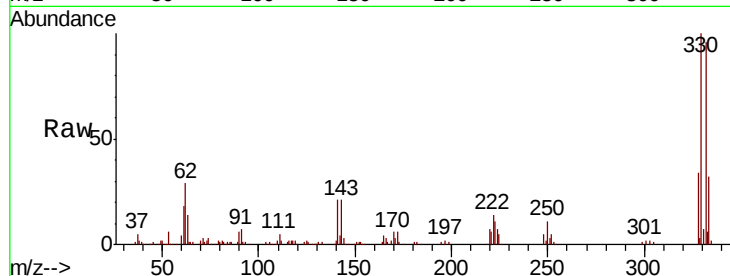
Tgt Ion:330 Resp: 200060

Ion Ratio Lower Upper

330 100

332 93.9 77.8 116.6

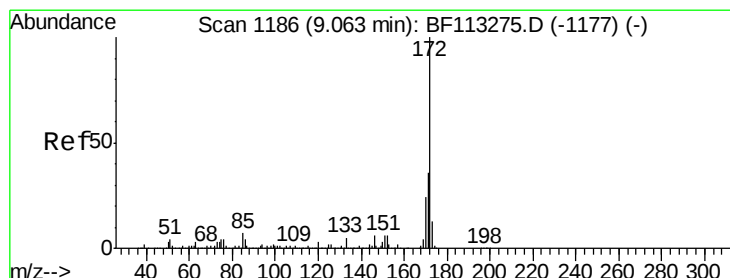
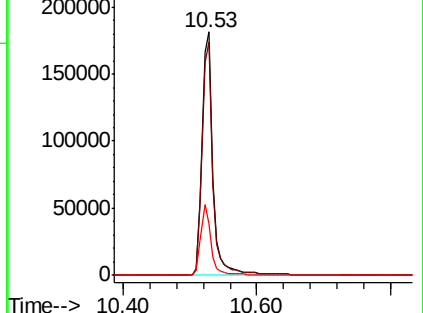
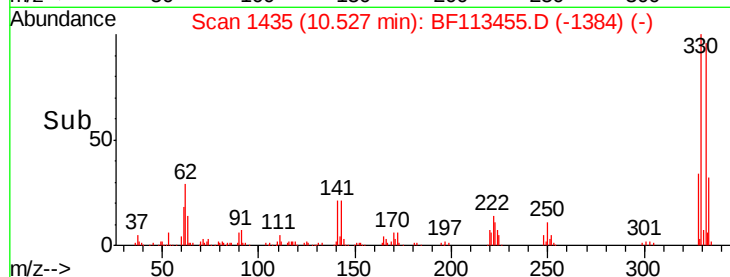
141 27.2 22.7 34.1



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: 100.440 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

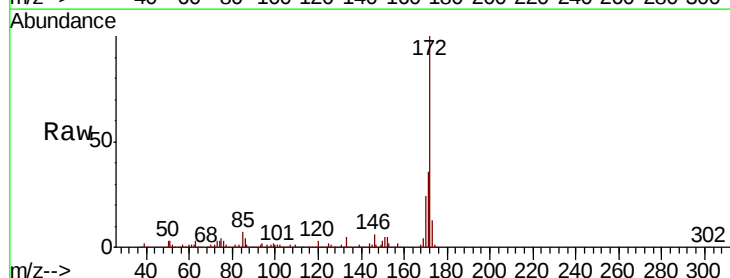
Tgt Ion:172 Resp: 1197920

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

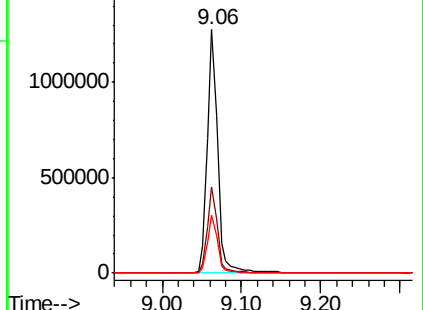
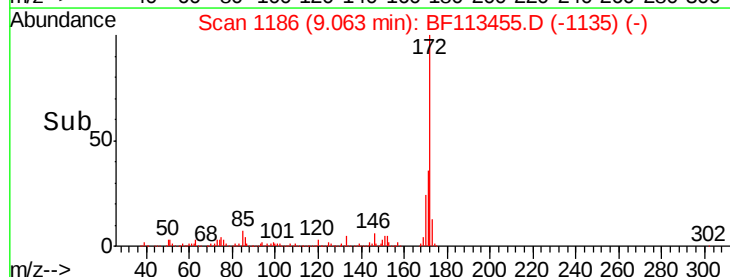
170 23.8 19.5 29.3

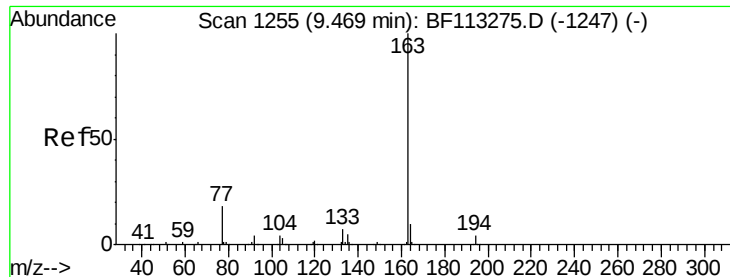


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

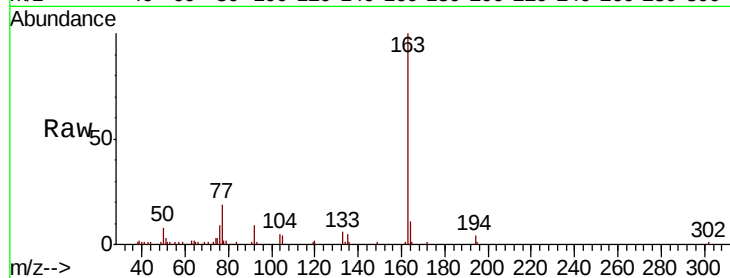




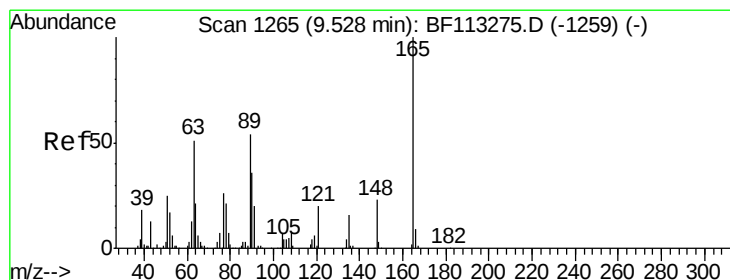
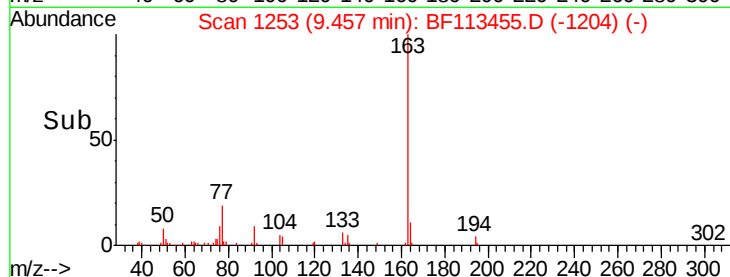
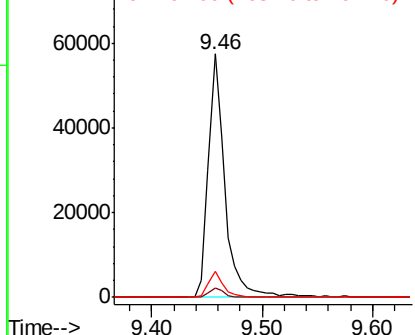
#50
Dimethylphthalate
Concen: 4.078 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Instrument :
BNA_F
ClientSampleId :
CONC-10

Tgt Ion:163 Resp: 58359
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.8 8.1 12.1

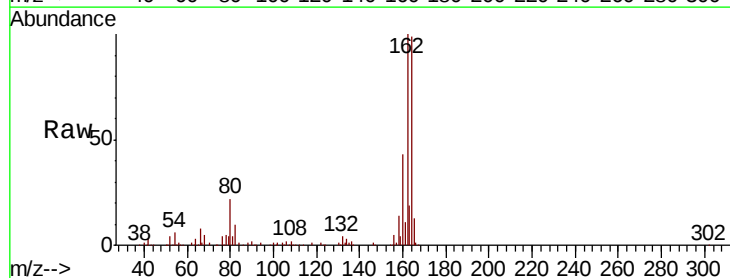


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

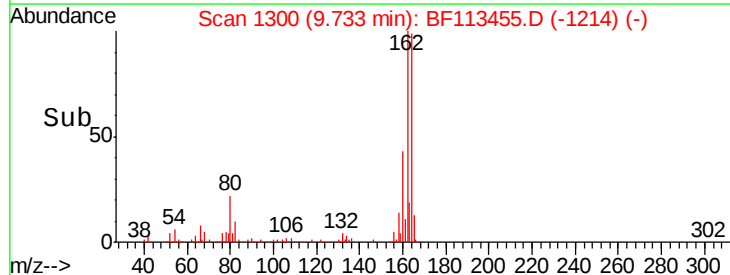
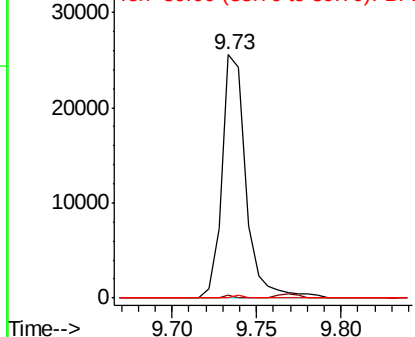


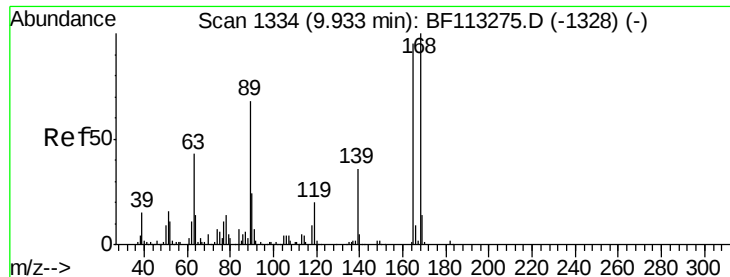
#51
2,6-Dinitrotoluene
Concen: 7.852 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Tgt Ion:165 Resp: 25349
Ion Ratio Lower Upper
165 100
63 1.3 43.4 65.0#
89 0.0 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

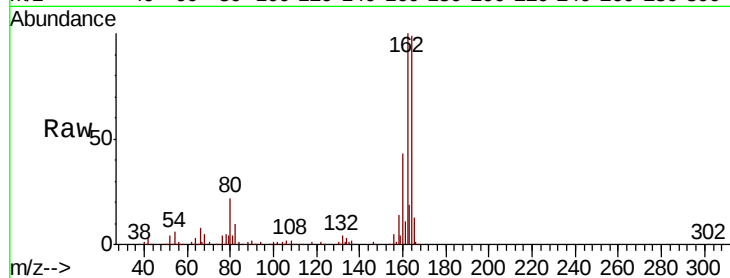




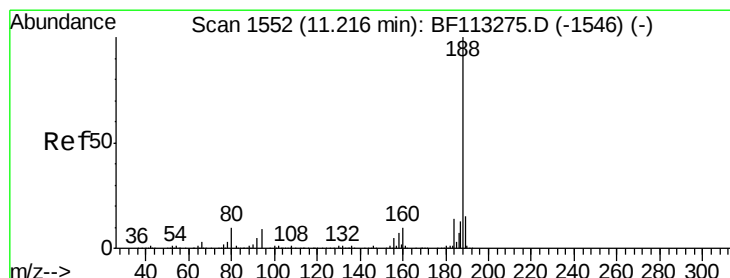
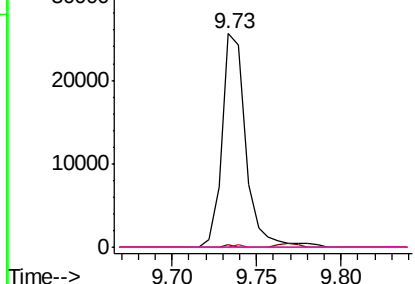
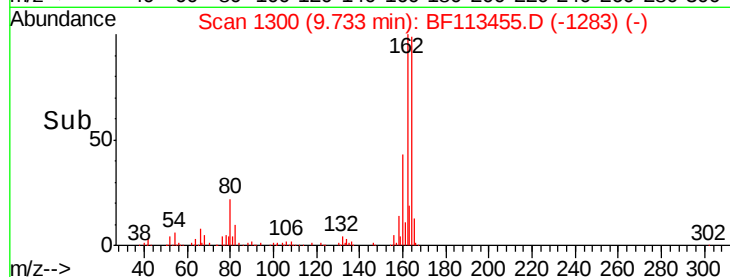
#57
 2,4-Dinitrotoluene
 Concen: 6.175 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113455.D
 Acq: 30 Mar 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 CONC-10

Tgt Ion:165 Resp: 25349
 Ion Ratio Lower Upper
 165 100
 63 1.3 37.5 56.3#
 89 0.0 57.4 86.2#
 182 0.0 2.0 3.0#

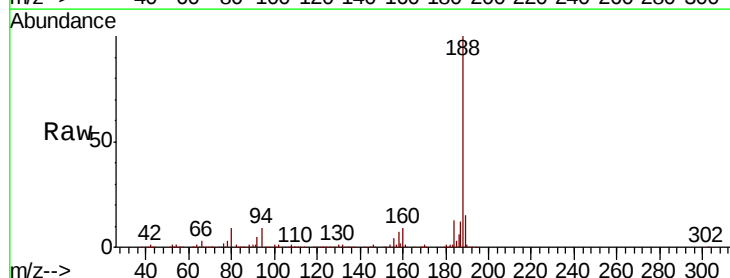


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

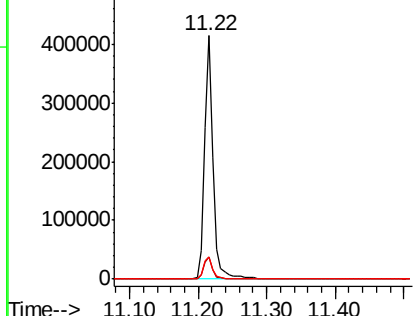
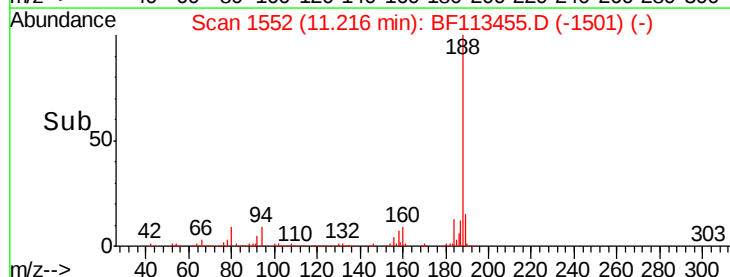


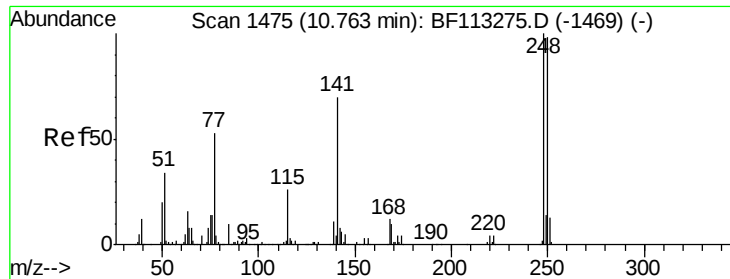
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF113455.D
 Acq: 30 Mar 2019 12:04

Tgt Ion:188 Resp: 372032
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.0 10.6
 80 9.2 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

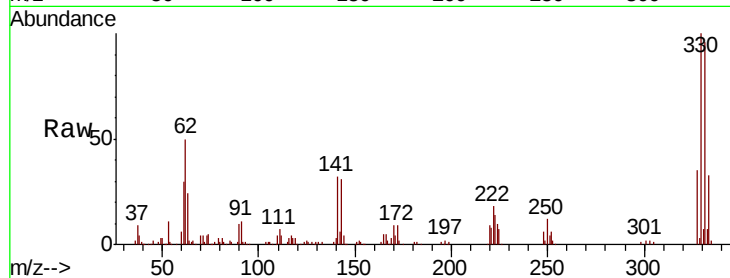




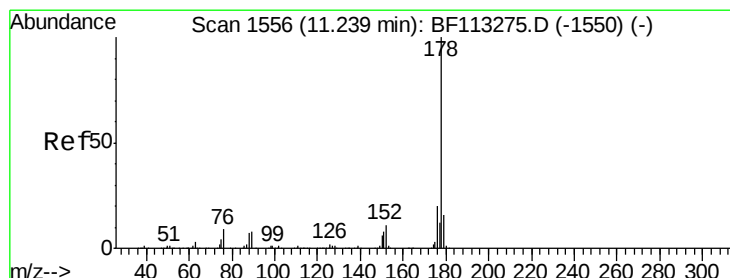
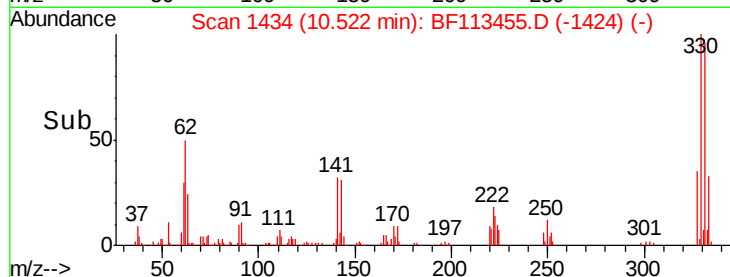
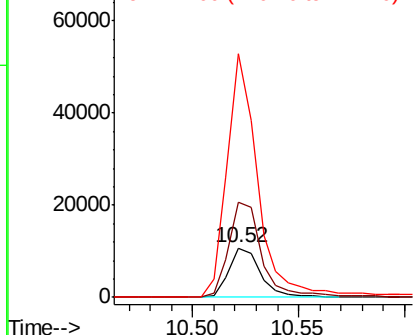
#67
 4-Bromophenyl-phenylether
 Concen: 2.738 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113455.D
 Acq: 30 Mar 2019 12:04

Instrument :
 BNA_F
 ClientSampleId :
 CONC-10

Tgt Ion:248 Resp: 11101
 Ion Ratio Lower Upper
 248 100
 250 193.8 78.3 117.5#
 141 496.6 56.2 84.4#

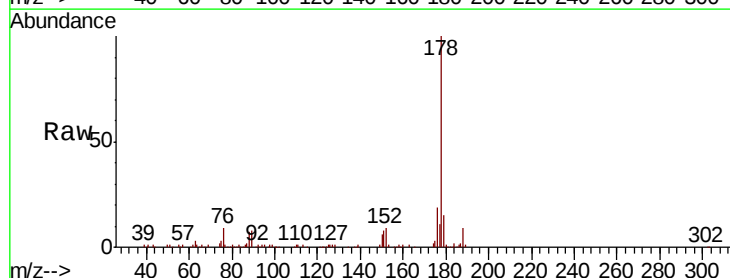


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

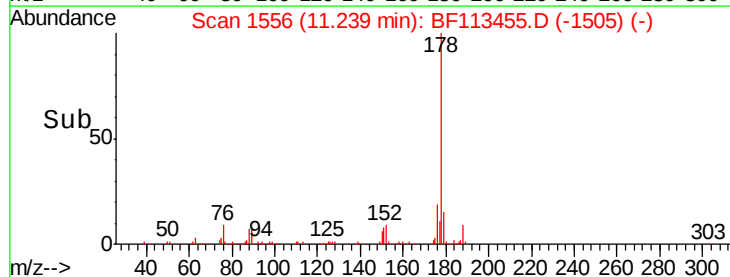
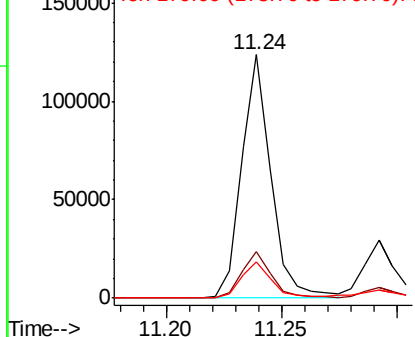


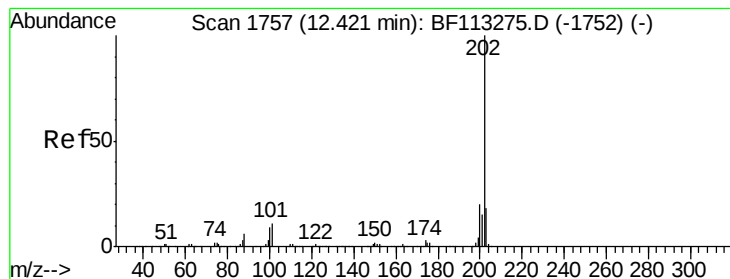
#71
 Phenanthrene
 Concen: 5.945 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF113455.D
 Acq: 30 Mar 2019 12:04

Tgt Ion:178 Resp: 109826
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.2
 179 14.9 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





#75

Fluoranthene

Concen: 8.590 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Instrument :

BNA_F

ClientSampled :

CONC-10

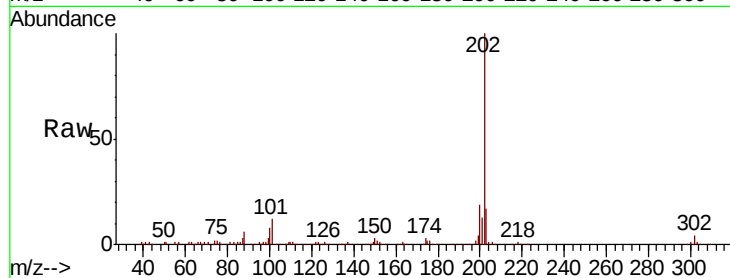
Tgt Ion:202 Resp: 179404

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

203 17.3 0.0 38.0

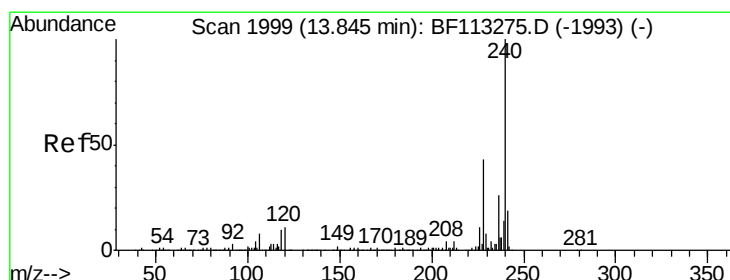
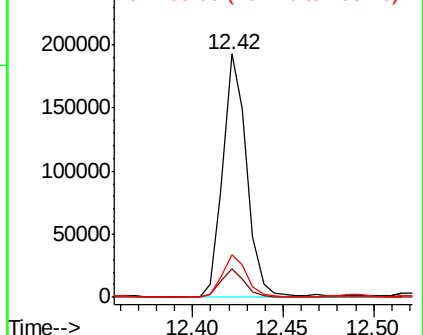
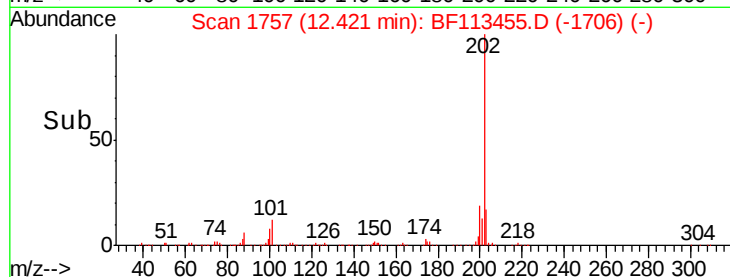


Abundance

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# 1999

Delta R.T. 0.00 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

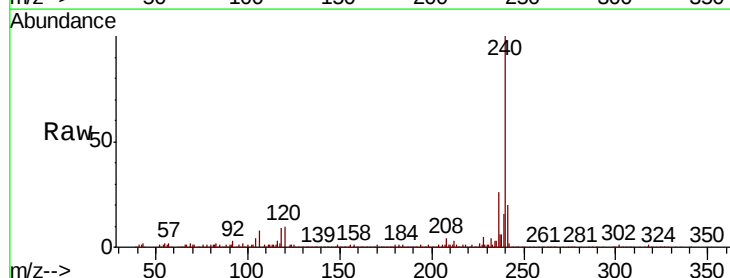
Tgt Ion:240 Resp: 381348

Ion Ratio Lower Upper

240 100

120 10.5 8.8 13.2

236 25.8 20.9 31.3

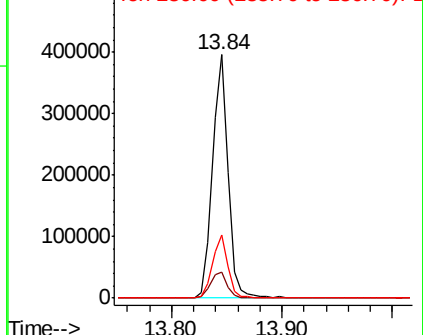
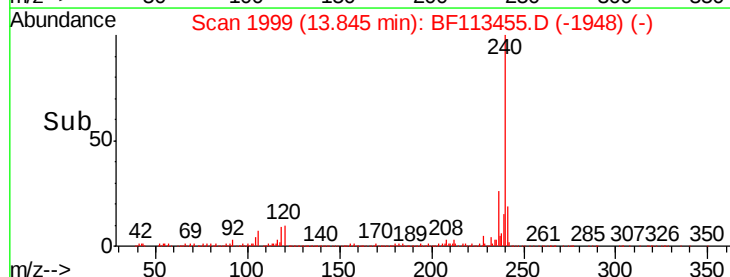


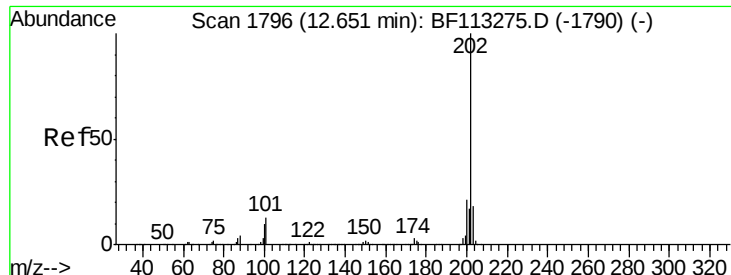
Abundance

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

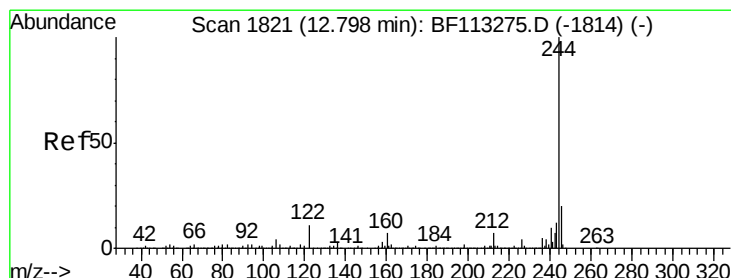
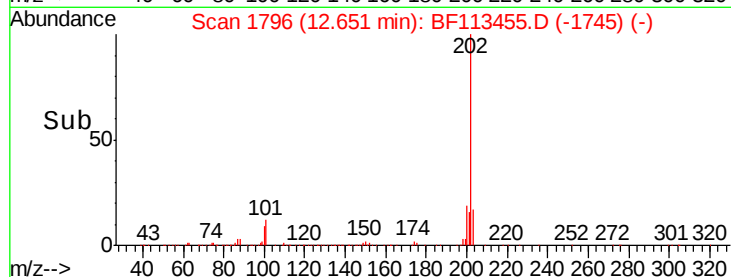
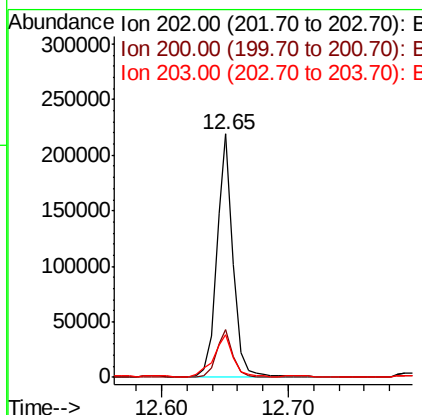
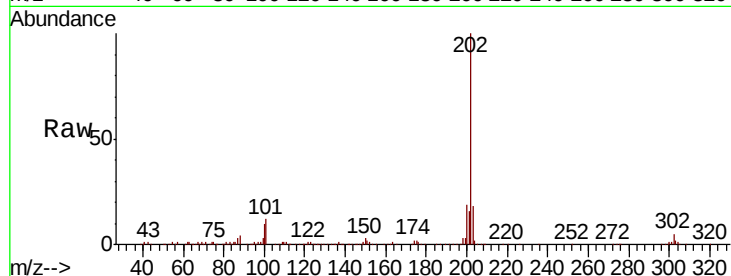




#78
 Pyrene
 Concen: 7.373 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: BF113455.D
 Acq: 30 Mar 2019 12:04

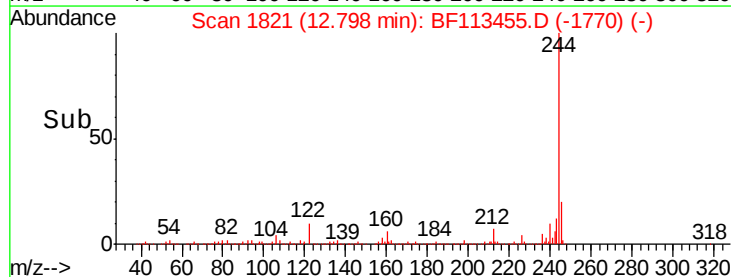
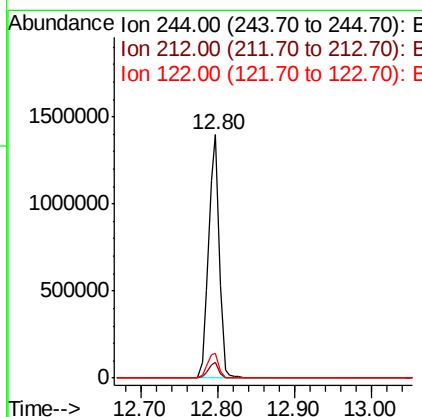
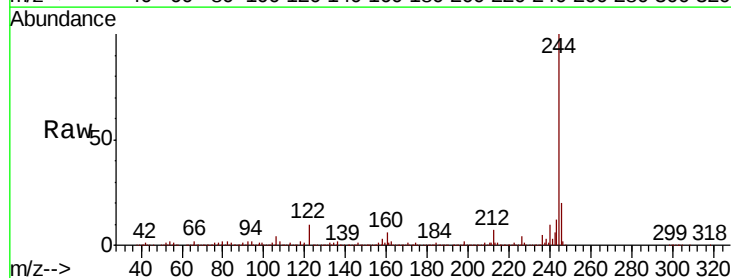
Instrument :
 BNA_F
 ClientSampleId :
 CONC-10

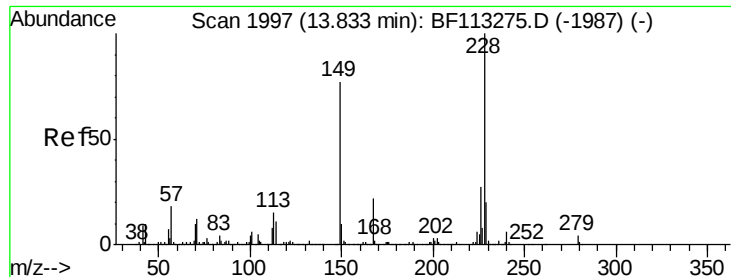
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.8	25.2
203	17.5	14.4	21.6



#79
 Terphenyl-d14
 Concen: 77.279 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF113455.D
 Acq: 30 Mar 2019 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	10.3	8.6	13.0

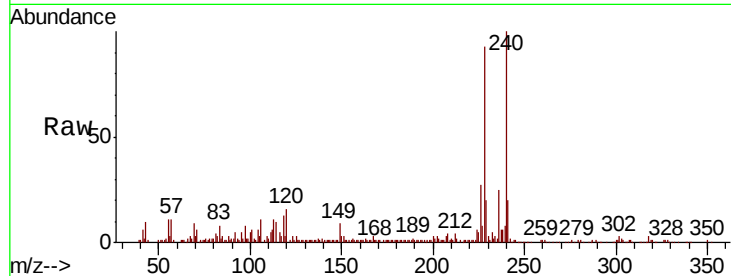




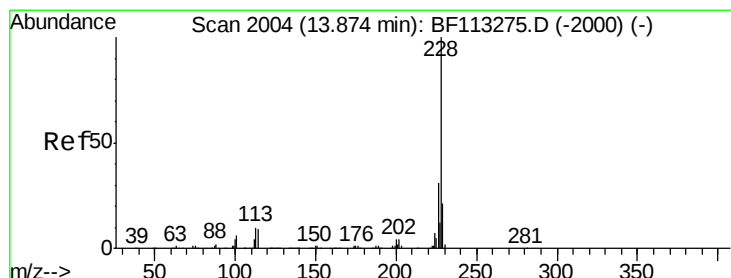
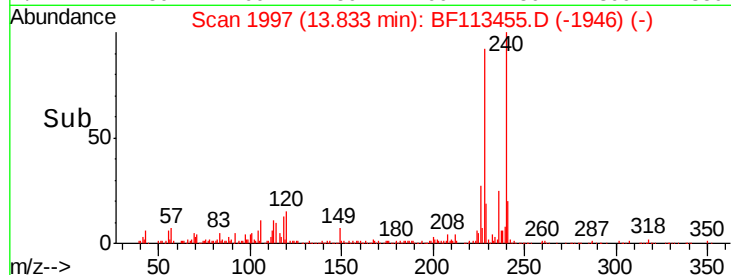
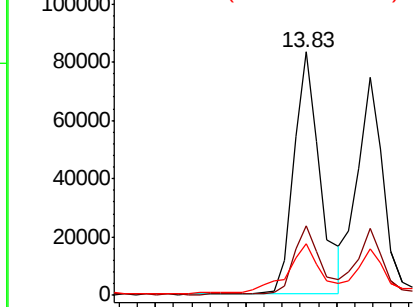
#81
Benzo(a)anthracene
Concen: 3.860 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Instrument :
BNA_F
ClientSampleId :
CONC-10

Tgt Ion:228 Resp: 84267
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.8
229 21.1 16.2 24.4

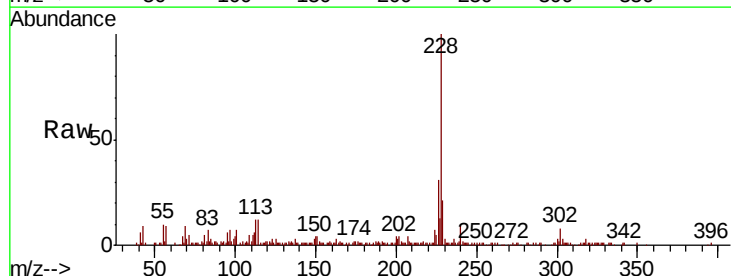


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

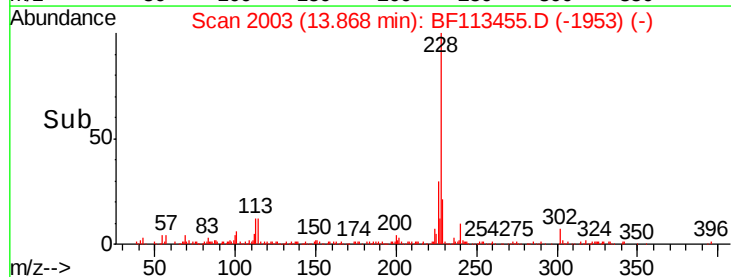
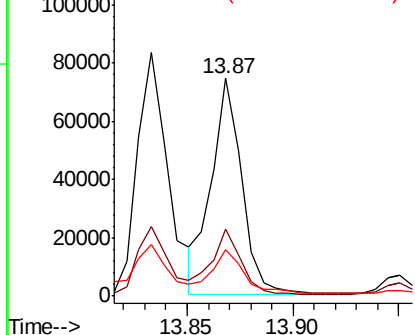


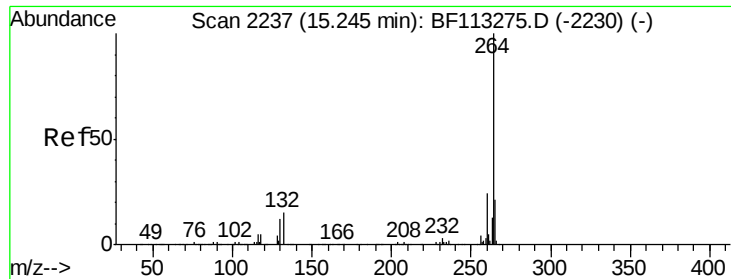
#83
Chrysene
Concen: 3.393 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Tgt Ion:228 Resp: 75233
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

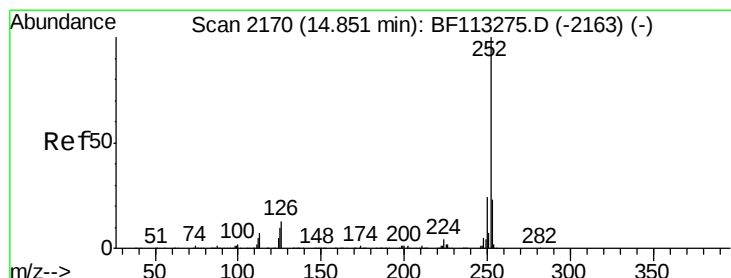
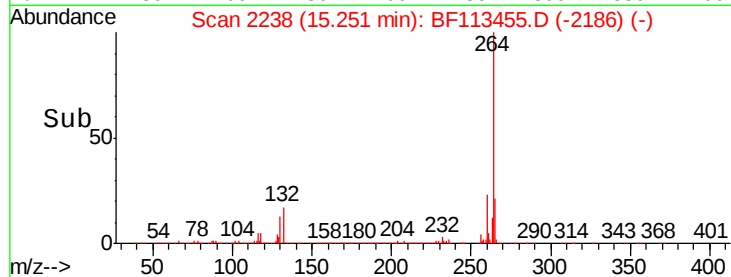
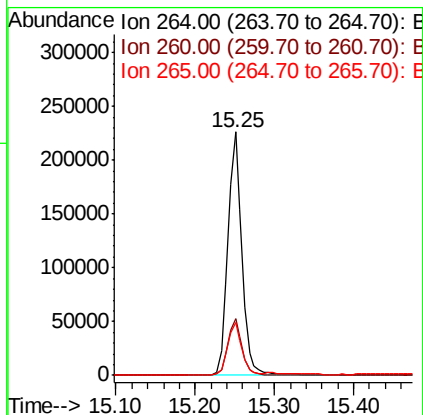
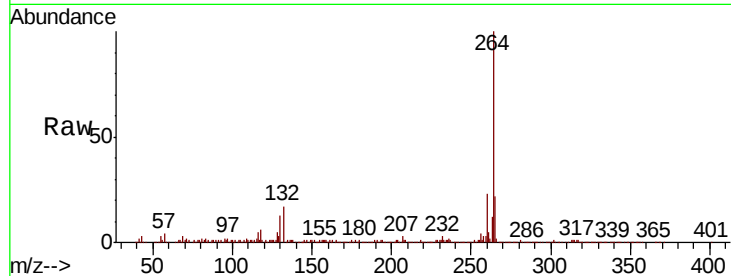




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

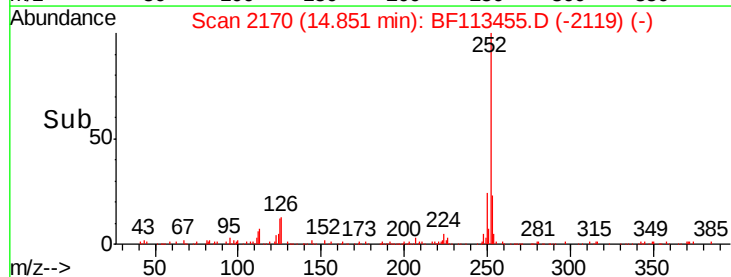
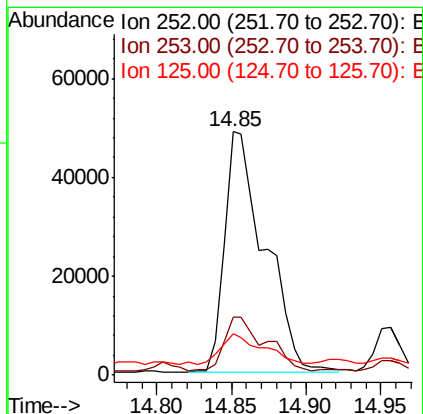
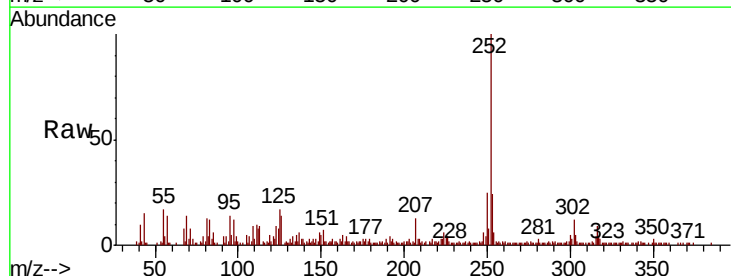
Instrument :
BNA_F
ClientSampleId :
CONC-10

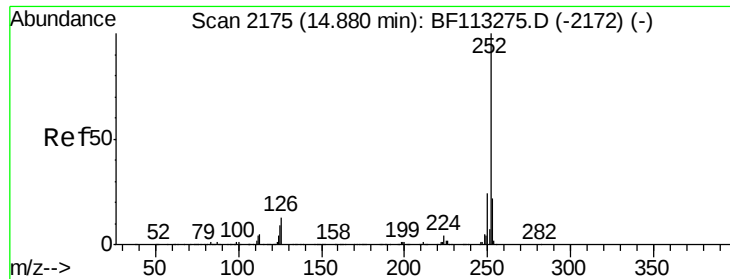
Tgt Ion:264 Resp: 278472
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.6 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 5.299 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Tgt Ion:252 Resp: 91670
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 16.9 7.6 11.4#

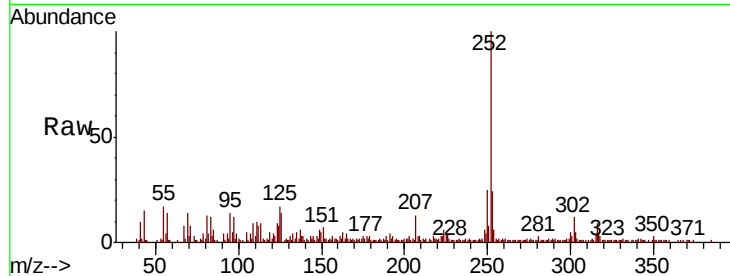




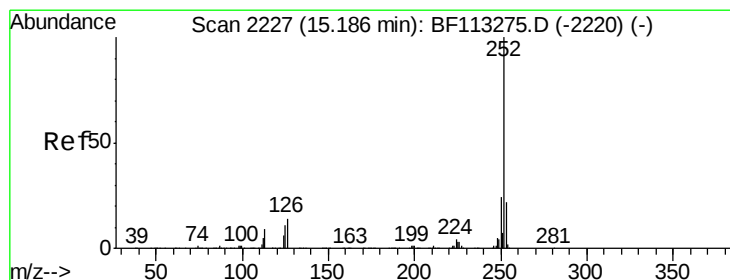
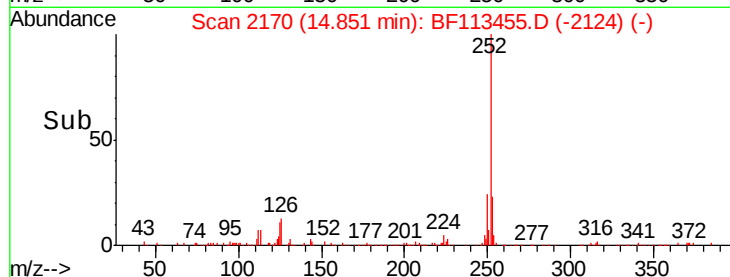
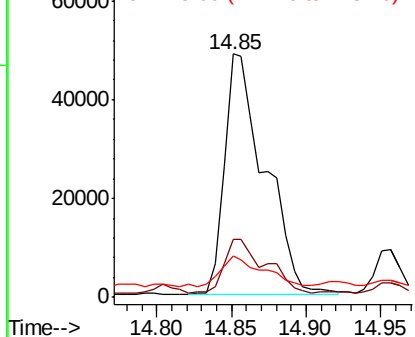
#89
Benzo(k)fluoranthene
Concen: 6.034 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Instrument :
BNA_F
ClientSampleId :
CONC-10

Tgt Ion:252 Resp: 91670
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 16.9 7.3 10.9#

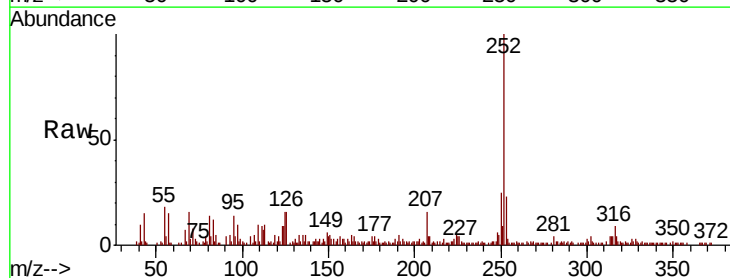


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

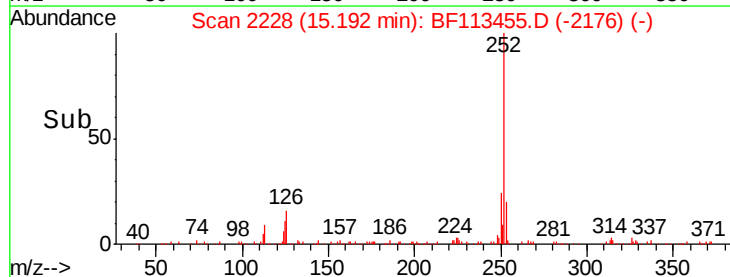
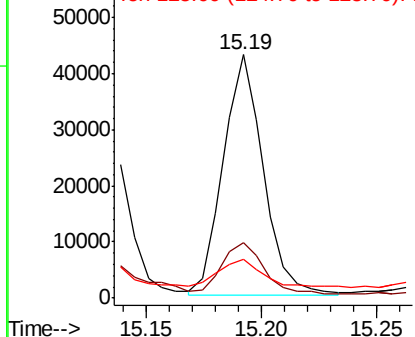


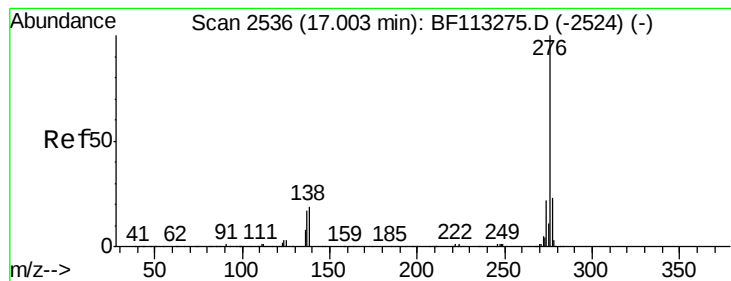
#90
Benzo(a)pyrene
Concen: 3.388 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113455.D
Acq: 30 Mar 2019 12:04

Tgt Ion:252 Resp: 51962
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 15.8 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





#92

Benzo(g,h,i)perylene

Concen: 2.128 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BF113455.D

Acq: 30 Mar 2019 12:04

Instrument :

BNA_F

ClientSampleId :

CONC-10

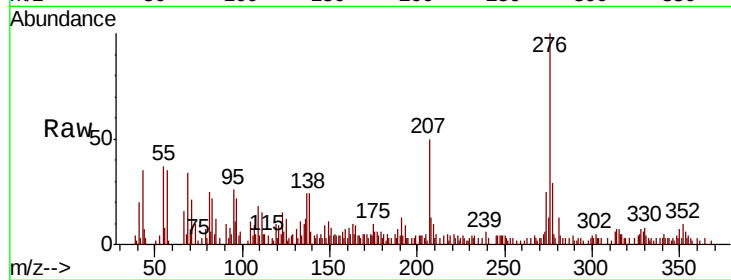
Tgt Ion: 276 Resp: 28458

Ion Ratio Lower Upper

276 100

277 28.6 18.8 28.2#

138 24.2 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

