

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113425.D
 Acq On : 29 Mar 2019 20:51
 Operator : JU/SJ
 Sample : K2153-21 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Mar 30 00:57:52 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	143349	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	569255	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	281172	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	588982	20.00	ng	0.00
76) Chrysene-d12	13.84	240	497860	20.00	ng	0.00
87) Perylene-d12	15.24	264	488229	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	407640	46.50	ng	0.00
7) Phenol-d6	6.35	99	550863	49.67	ng	-0.01
23) Nitrobenzene-d5	7.26	82	321799	33.55	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	163203	46.99	ng	-0.01
45) 2-Fluorobiphenyl	9.06	172	624358	21.66	ng	0.00
79) Terphenyl-d14	12.79	244	686984	30.41	ng	-0.01

Target Compounds

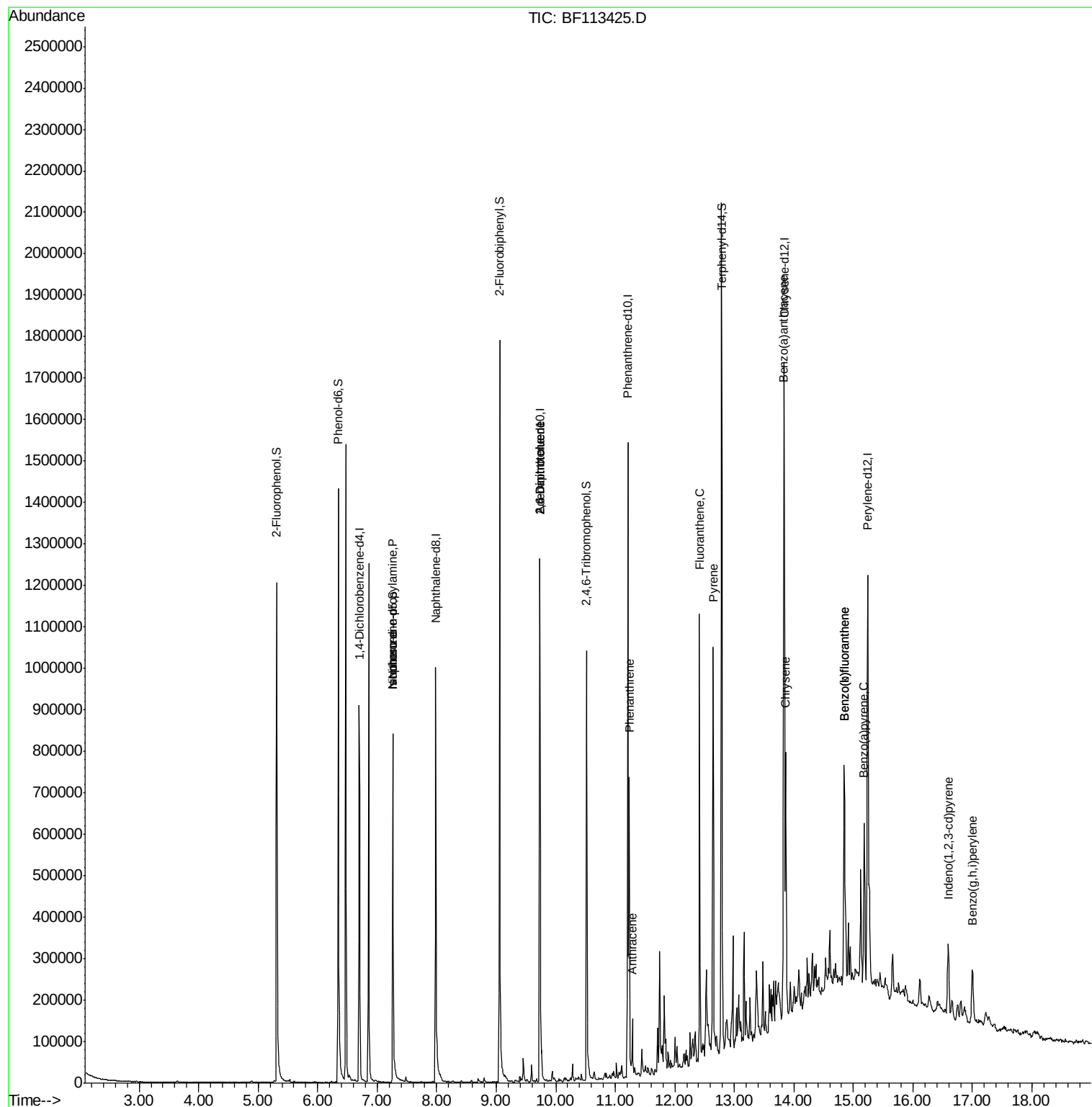
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	39066	5.608	ng	# 76
25) Isophorone	7.26	82	321798	17.313	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	36029	7.664	ng	# 26
57) 2,4-Dinitrotoluene	9.73	165	36141	6.046	ng	# 23
71) Phenanthrene	11.23	178	257089	8.790	ng	98
72) Anthracene	11.29	178	67191	2.262	ng	99
75) Fluoranthene	12.42	202	462842	13.998	ng	99
78) Pyrene	12.64	202	424821	12.314	ng	98
81) Benzo(a)anthracene	13.83	228	227297	7.976	ng	98
83) Chrysene	13.86	228	195135	6.741	ng	97
86) Indeno(1,2,3-cd)pyrene	16.59	276	114234	4.598	ng	97
88) Benzo(b)fluoranthene	14.84	252	364503	12.018	ng	98
89) Benzo(k)fluoranthene	14.84	252	364503	13.686	ng	# 98
90) Benzo(a)pyrene	15.18	252	198512	7.383	ng	98
92) Benzo(g,h,i)perylene	17.00	276	109262	4.661	ng	98

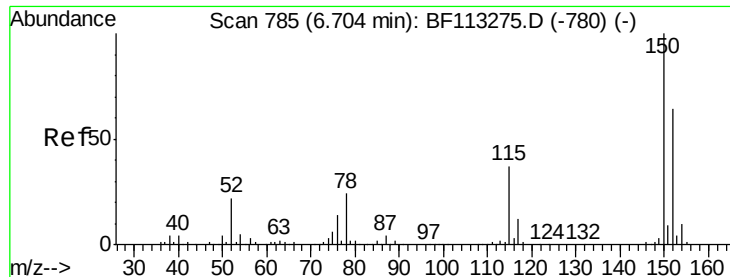
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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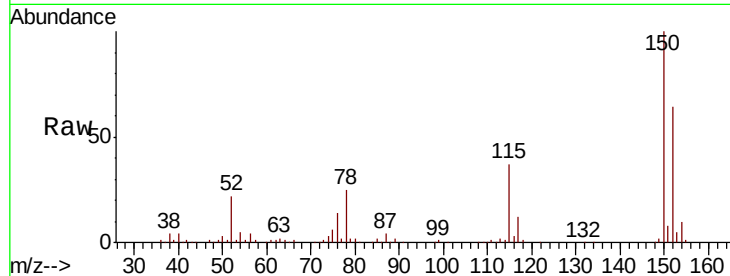


#1

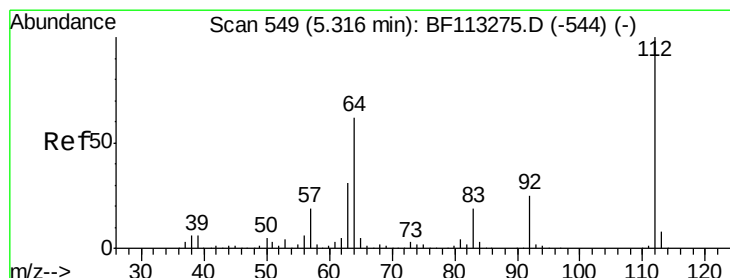
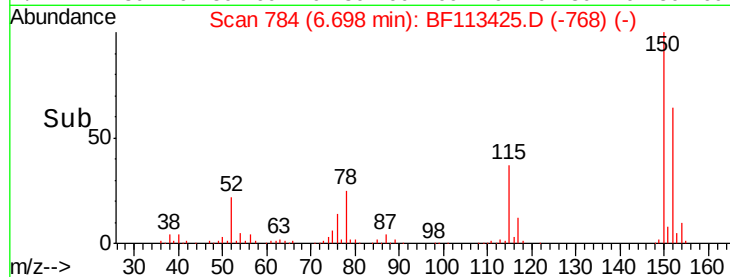
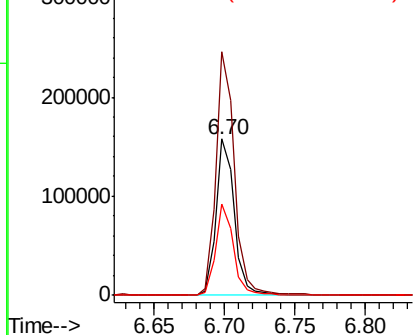
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:152 Resp: 143349
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 58.3 46.0 69.0



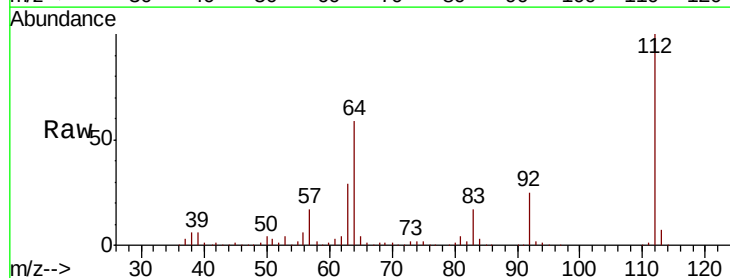
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



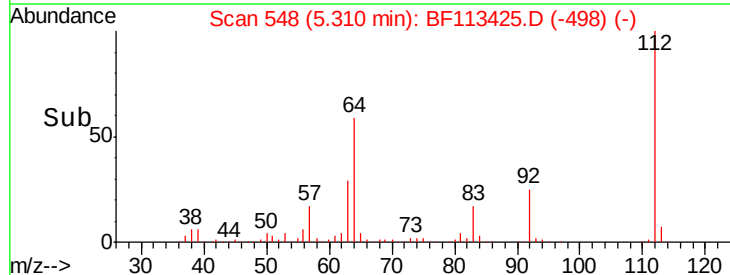
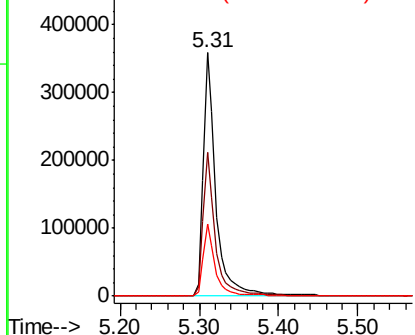
#5

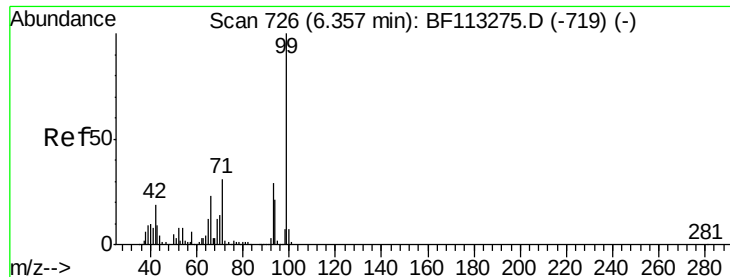
2-Fluorophenol
Concen: 46.498 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Tgt Ion:112 Resp: 407640
Ion Ratio Lower Upper
112 100
64 58.9 49.2 73.8
63 29.5 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: 49.669 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Instrument :

BNA_F

ClientSampleId :

SP-1

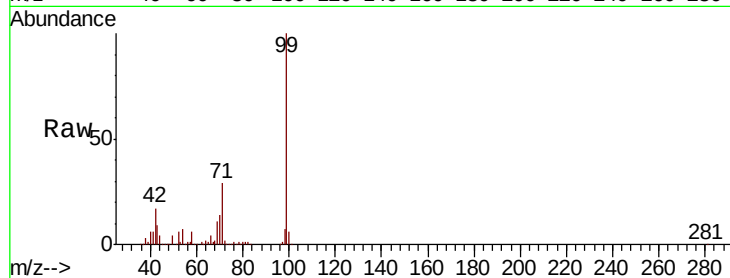
Tgt Ion: 99 Resp: 550863

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

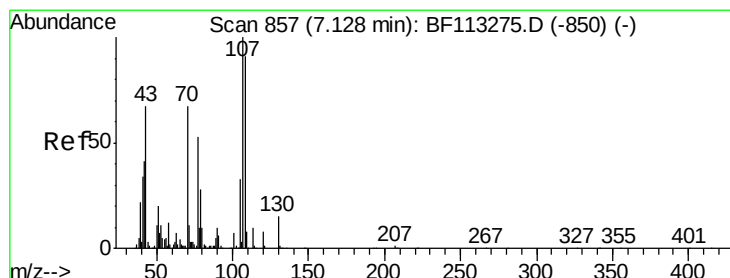
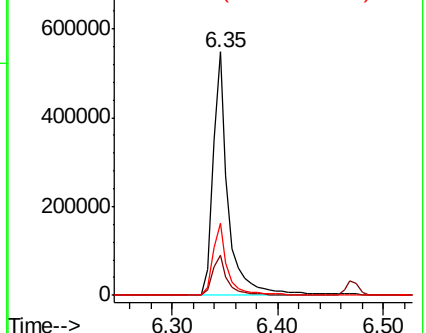
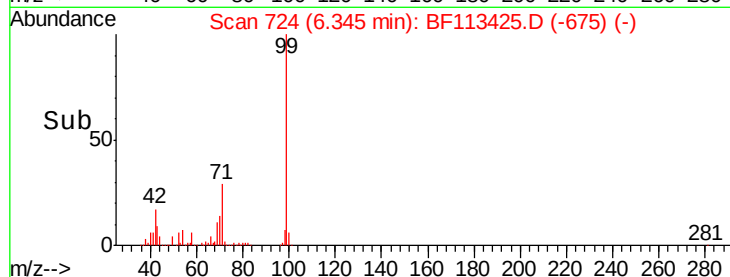
71 29.4 24.9 37.3



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: 5.608 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Tgt Ion: 70 Resp: 39066

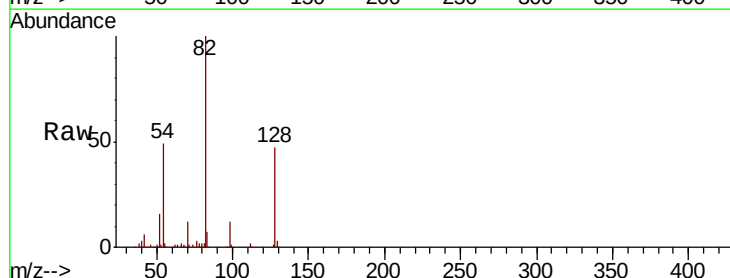
Ion Ratio Lower Upper

70 100

42 47.7 48.4 72.6#

101 0.0 7.8 11.8#

130 2.7 18.2 27.4#

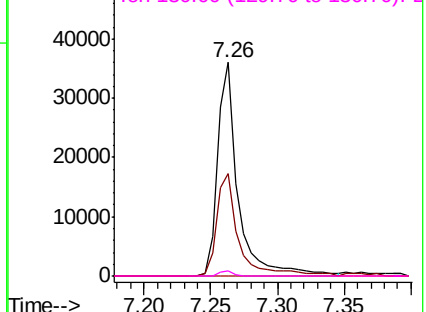
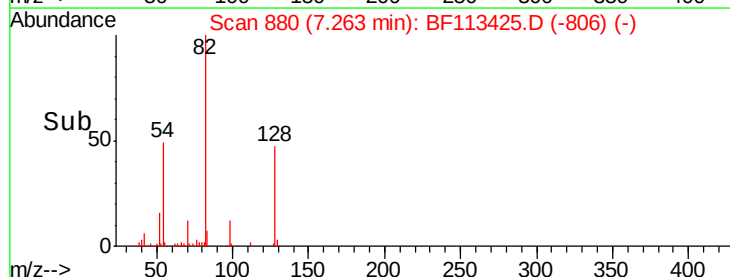


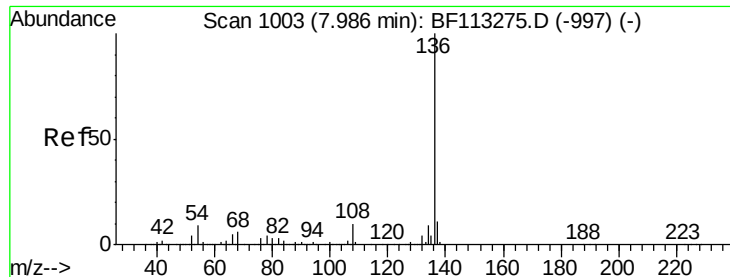
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

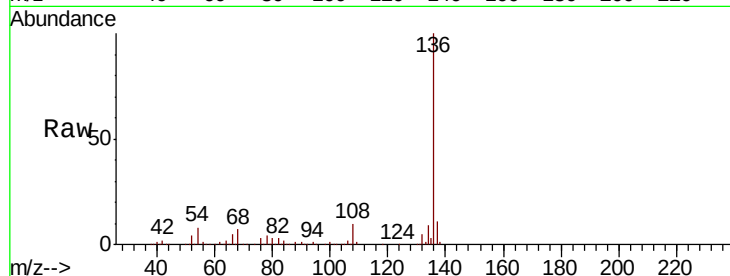




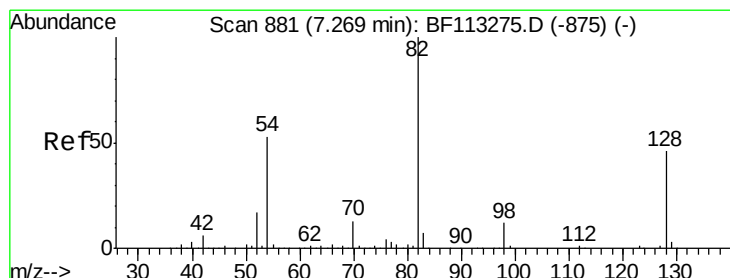
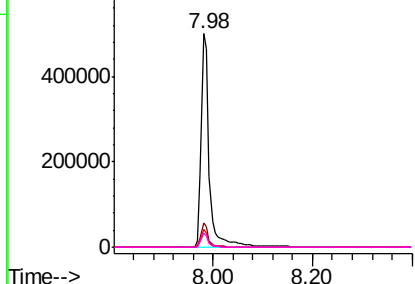
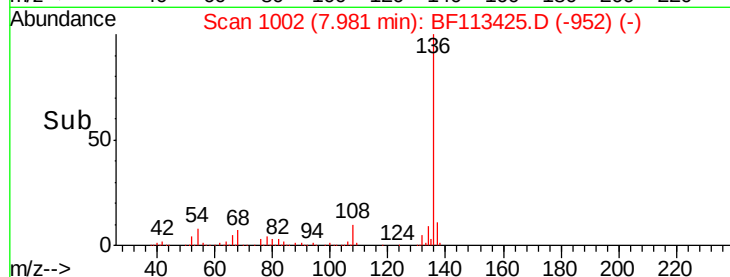
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:	136	Resp:	569255
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	7.0	10.6
68	6.5	4.8	7.2

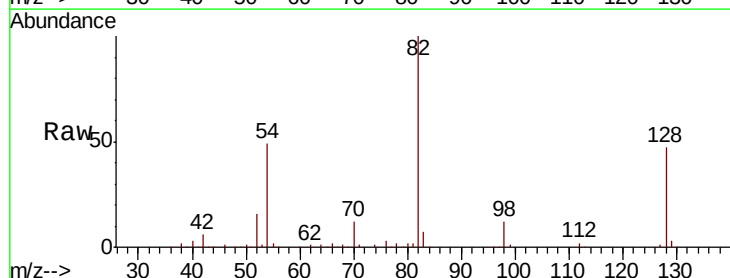


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

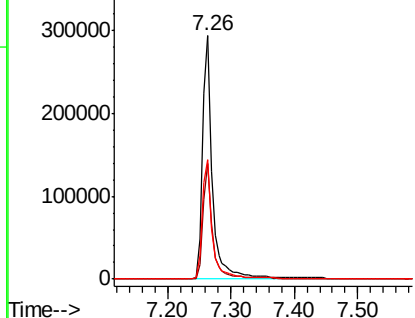
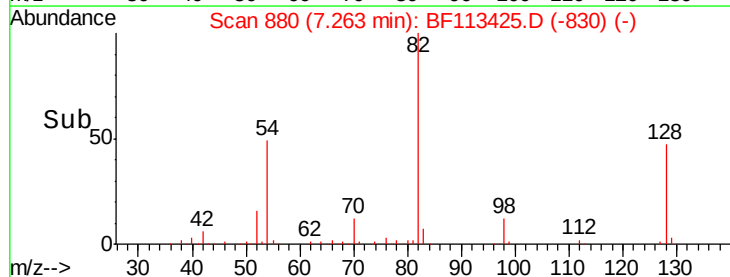


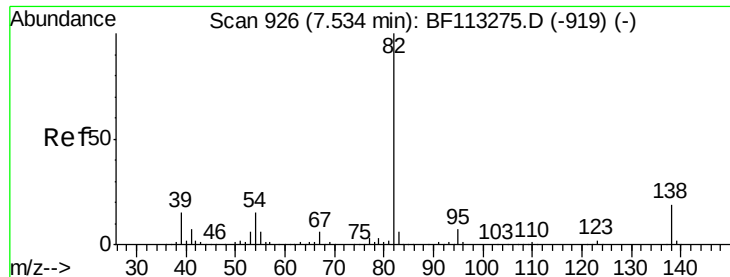
#23
Nitrobenzene-d5
Concen: 33.553 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Tgt Ion:	82	Resp:	321799
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.5	54.7
54	49.2	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: 17.313 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Instrument :

BNA_F

ClientSampled :

SP-1

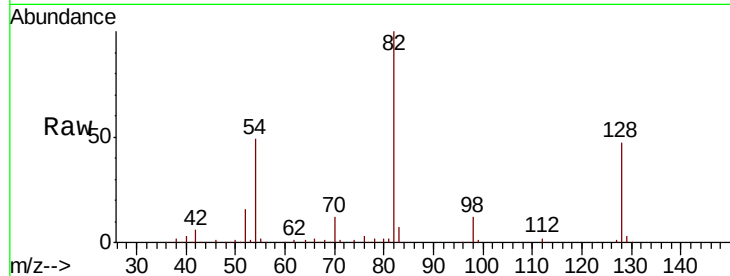
Tgt Ion: 82 Resp: 321798

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

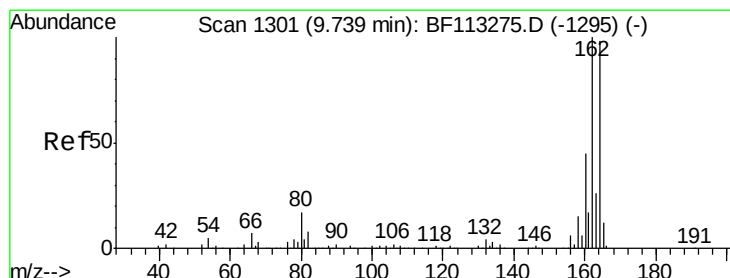
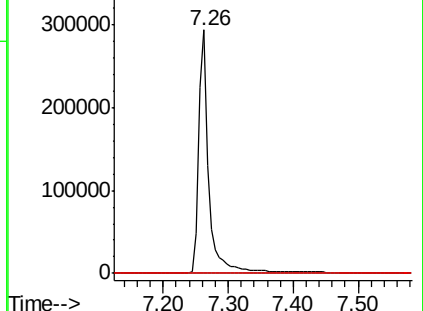
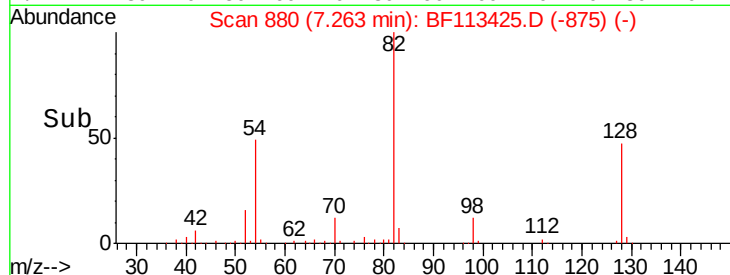
138 0.0 15.2 22.8#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

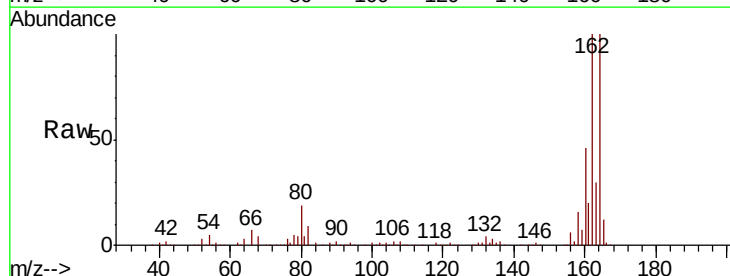
Tgt Ion: 164 Resp: 281172

Ion Ratio Lower Upper

164 100

162 100.1 81.8 122.6

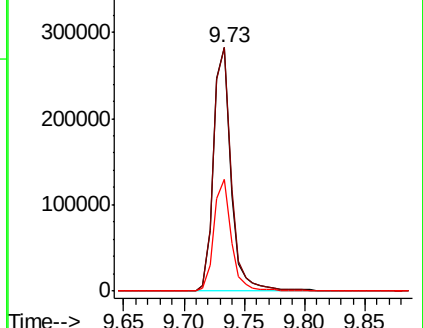
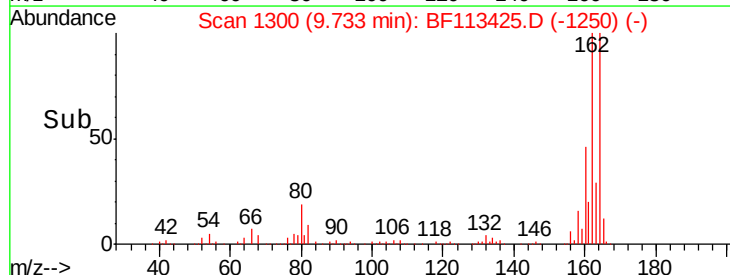
160 46.2 36.4 54.6

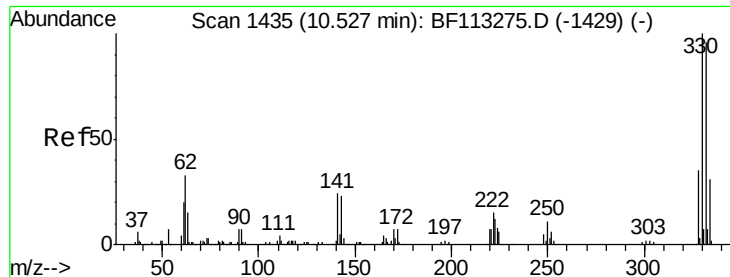


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 46.990 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Instrument :

BNA_F

ClientSampleId :

SP-1

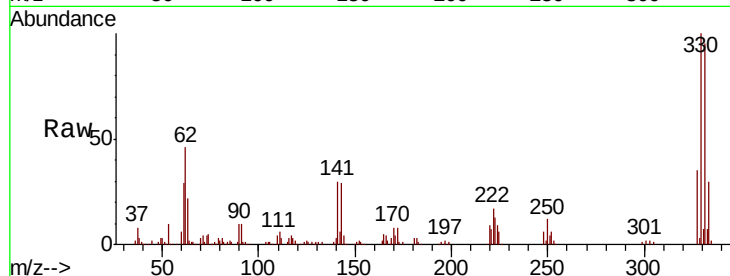
Tgt Ion:330 Resp: 163203

Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

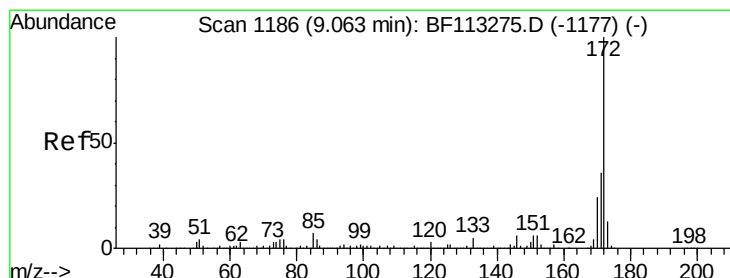
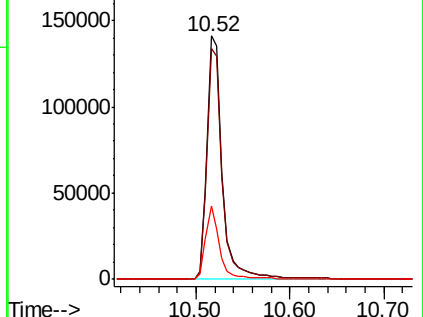
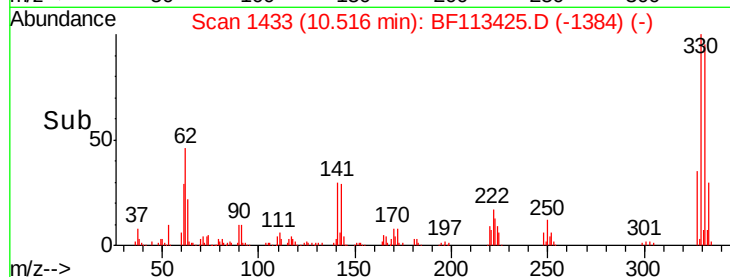
141 27.6 22.7 34.1



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: 21.662 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

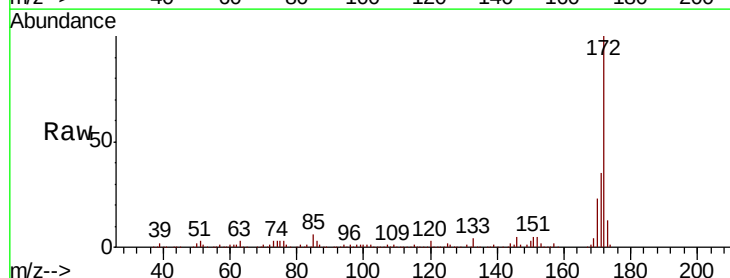
Tgt Ion:172 Resp: 624358

Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.6

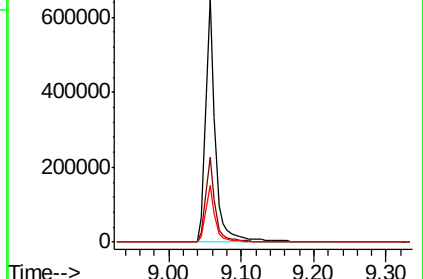
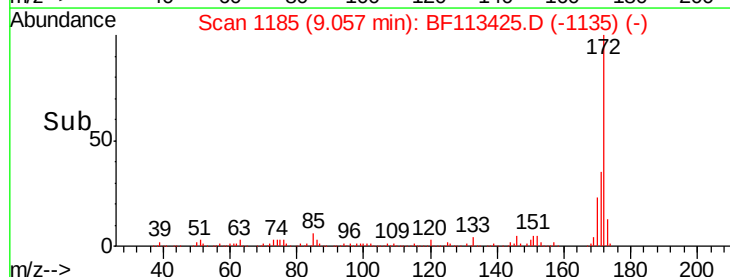
170 23.3 19.5 29.3

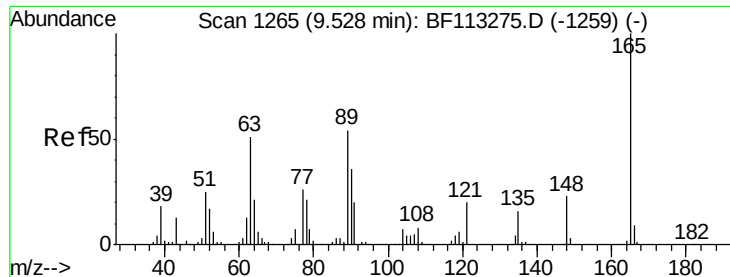


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.664 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

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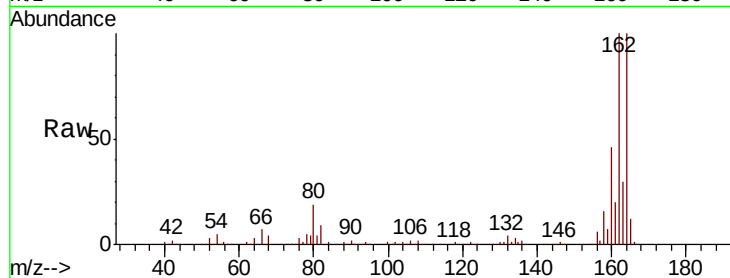
Tgt Ion:165 Resp: 36029

Ion Ratio Lower Upper

165 100

63 1.2 43.4 65.0#

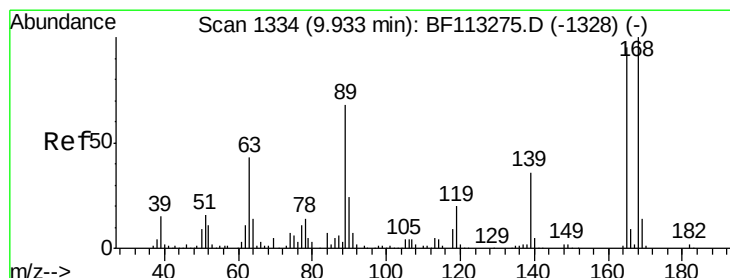
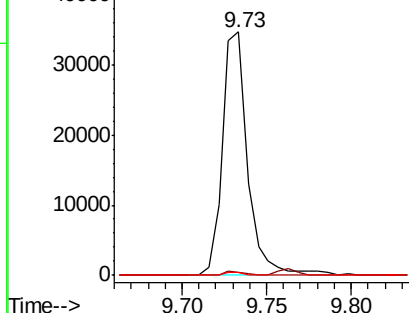
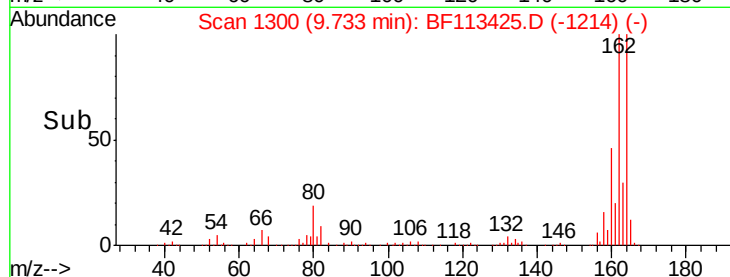
89 1.5 43.1 64.7#



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: 6.046 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Tgt Ion:165 Resp: 36141

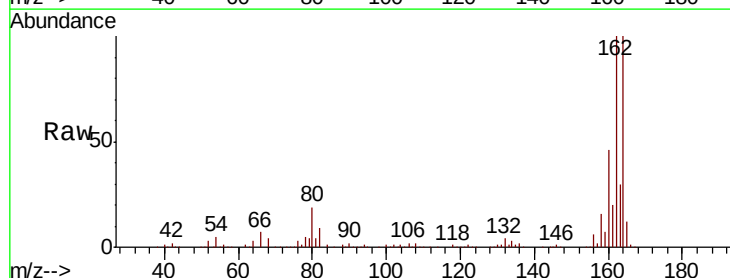
Ion Ratio Lower Upper

165 100

63 1.2 37.5 56.3#

89 1.5 57.4 86.2#

182 0.0 2.0 3.0#

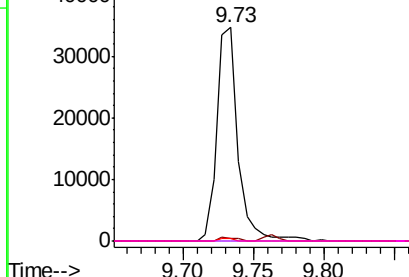
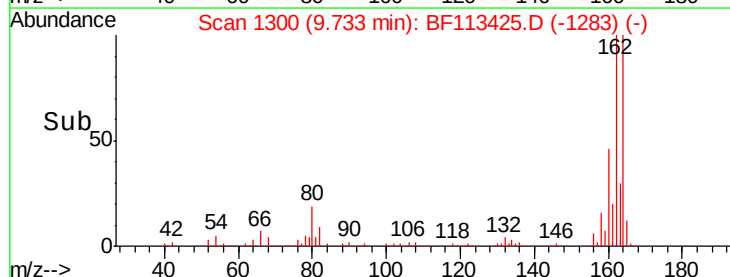


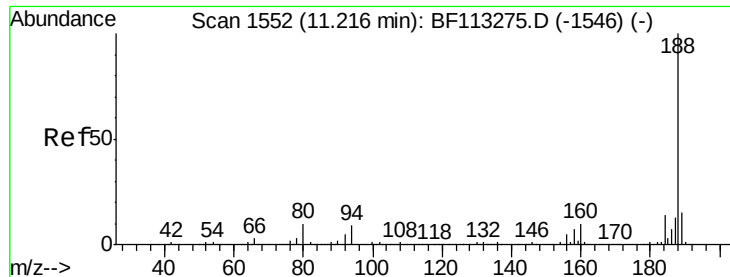
Abundance Ion 165.00 (164.70 to 165.70): E

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

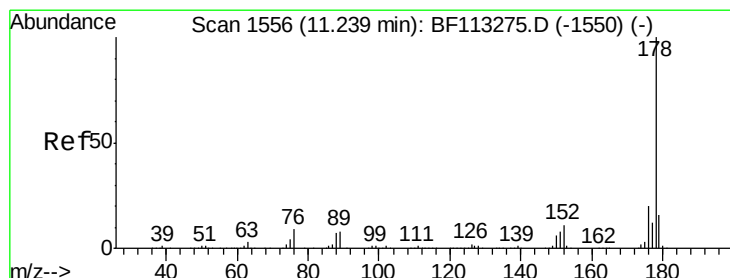
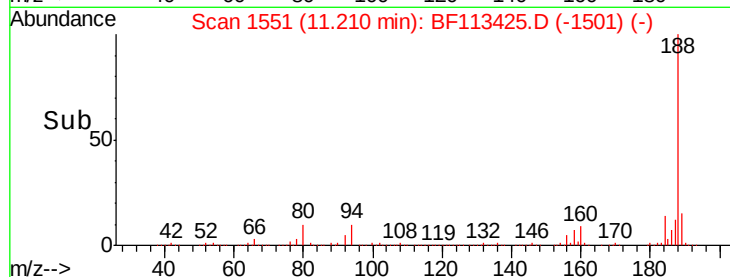
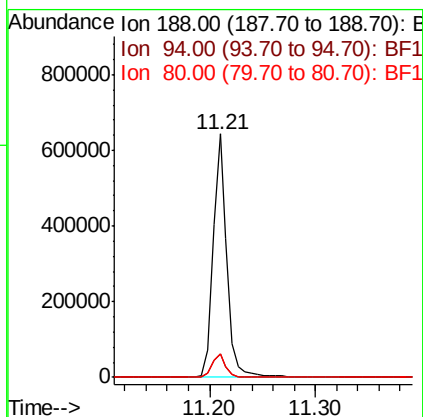
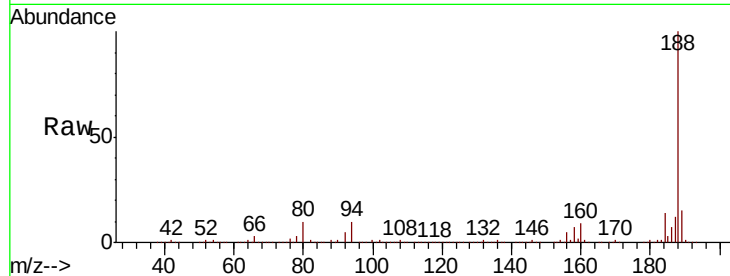




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

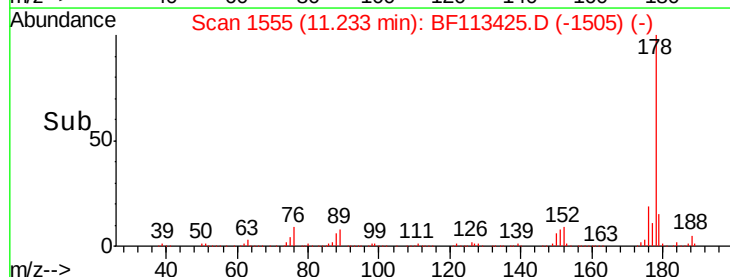
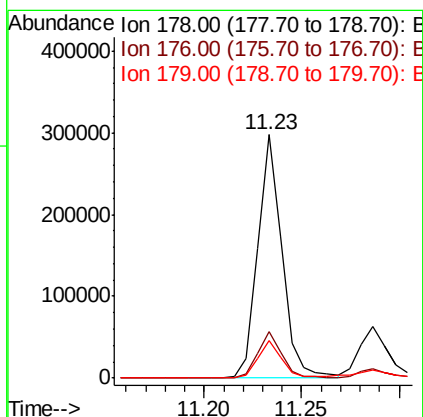
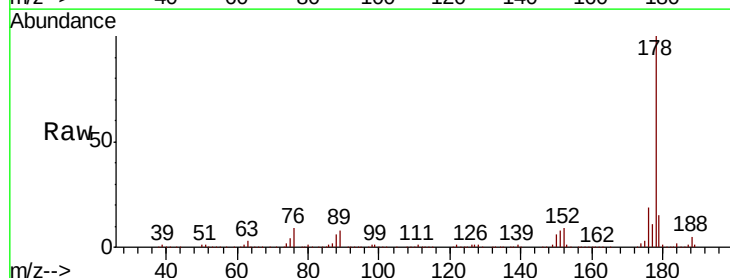
Instrument :
BNA_F
ClientSampleId :
SP-1

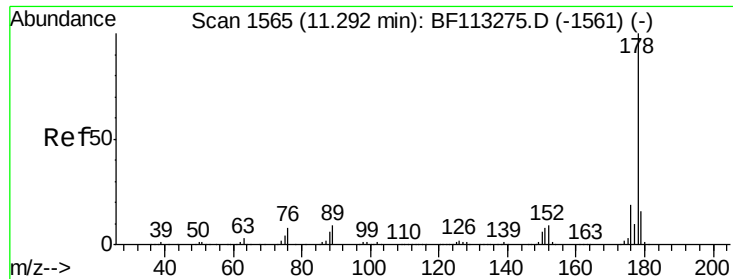
Tgt Ion:188 Resp: 588982
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 9.8 7.7 11.5



#71
Phenanthrene
Concen: 8.790 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Tgt Ion:178 Resp: 257089
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 15.4 12.7 19.1





#72

Anthracene

Concen: 2.262 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Instrument :

BNA_F

ClientSampleId :

SP-1

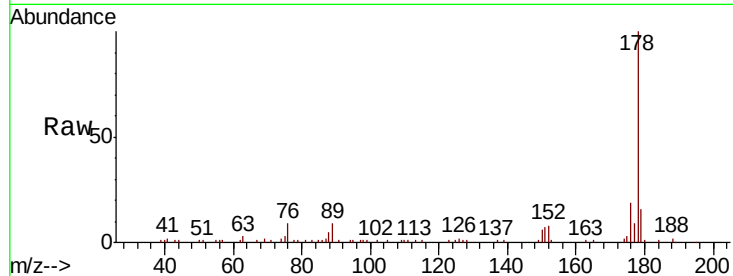
Tgt Ion:178 Resp: 67191

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

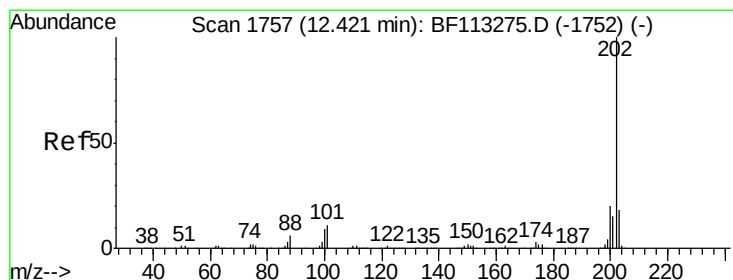
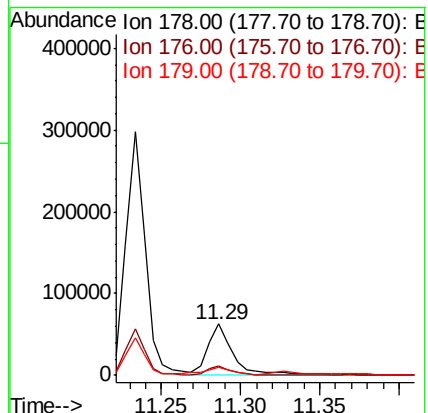
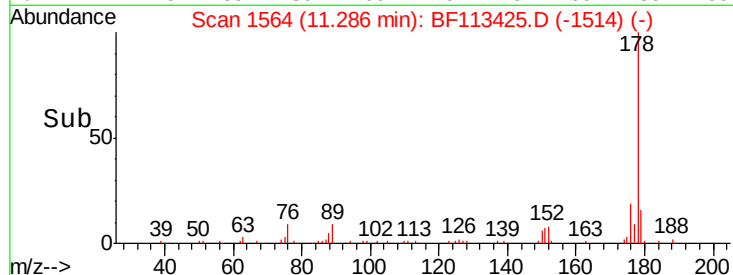
179 16.3 12.8 19.2



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



#75

Fluoranthene

Concen: 13.998 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

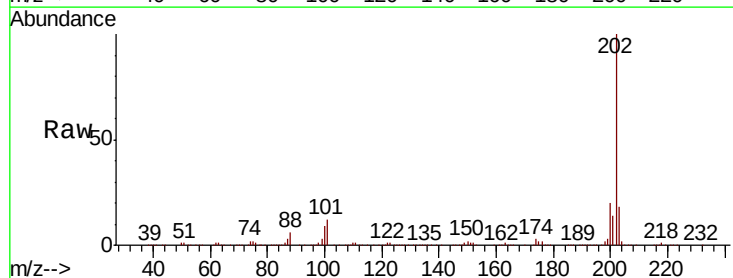
Tgt Ion:202 Resp: 462842

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

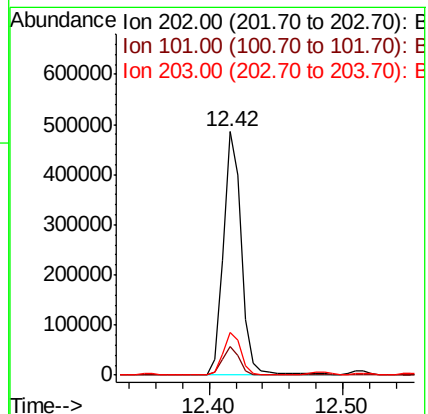
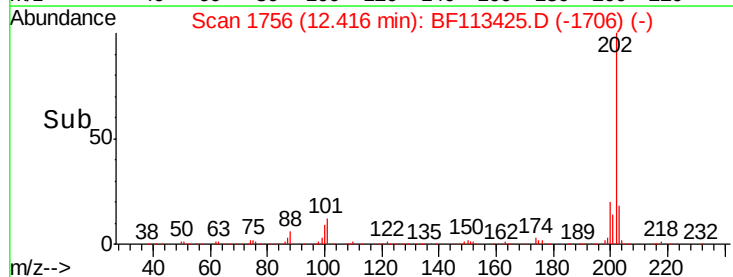
203 17.8 0.0 38.0

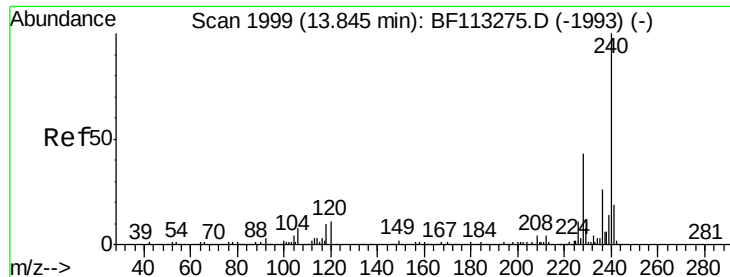


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

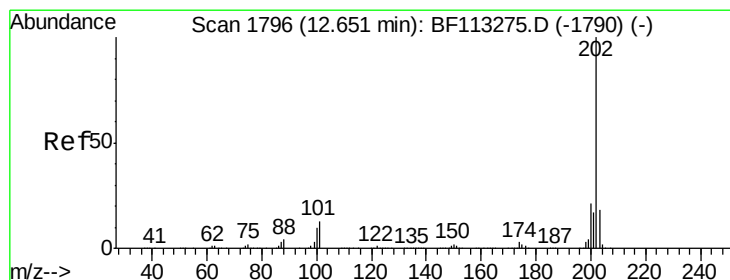
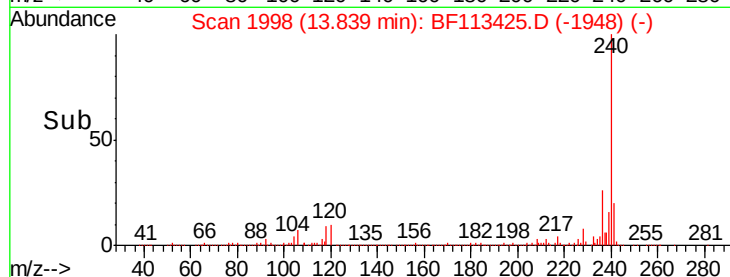
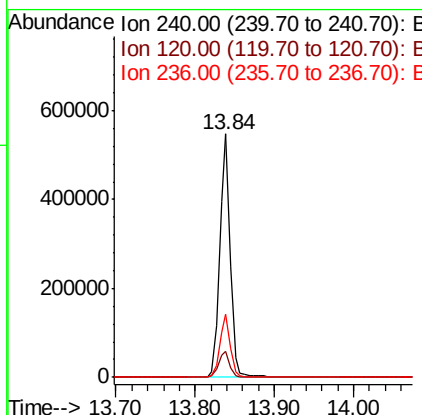
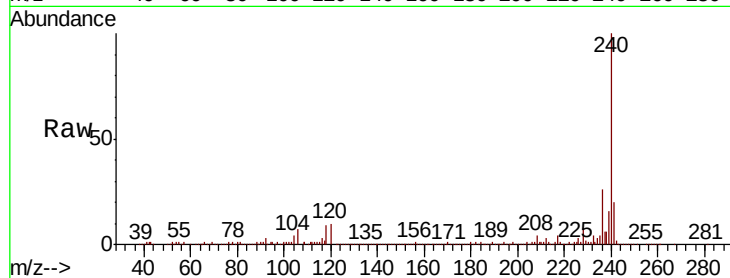




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

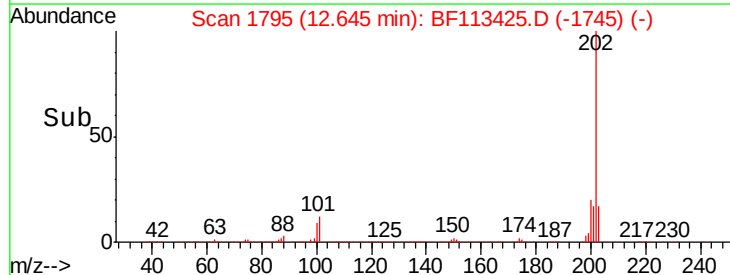
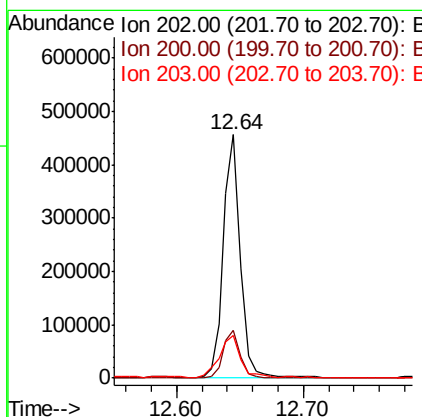
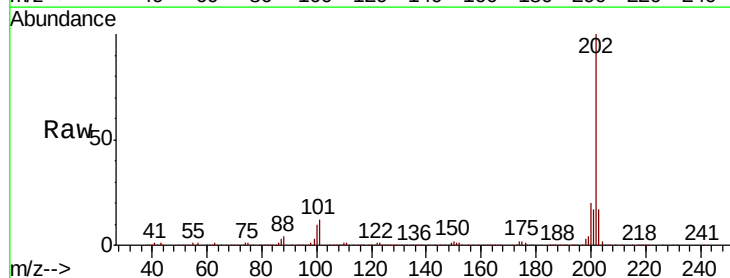
Instrument :
BNA_F
ClientSampleId :
SP-1

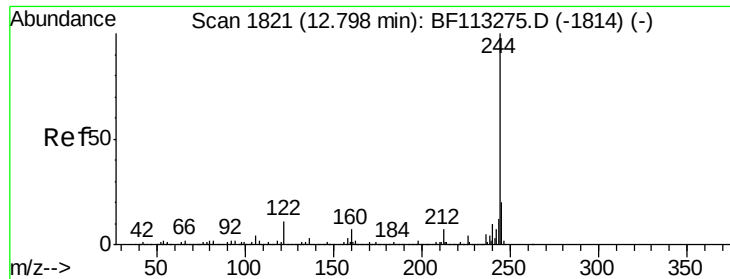
Tgt Ion:240 Resp: 497860
Ion Ratio Lower Upper
240 100
120 10.5 8.8 13.2
236 26.1 20.9 31.3



#78
Pyrene
Concen: 12.314 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Tgt Ion:202 Resp: 424821
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 17.4 14.4 21.6

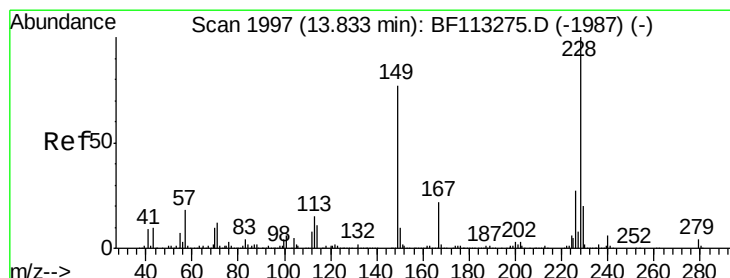
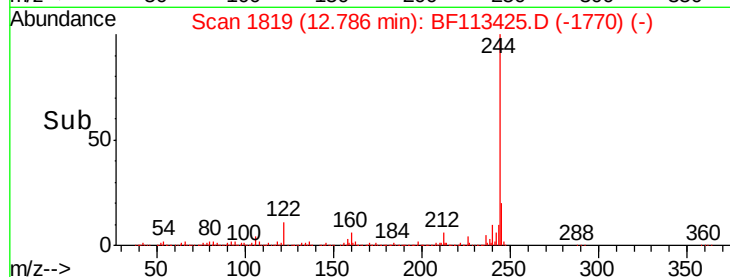
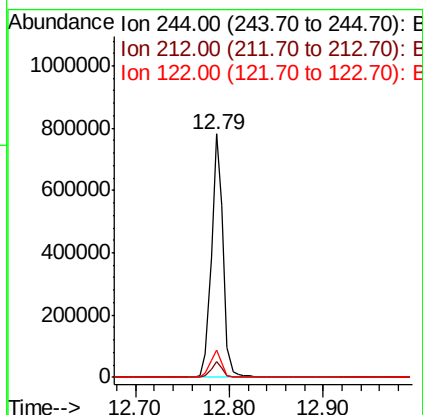
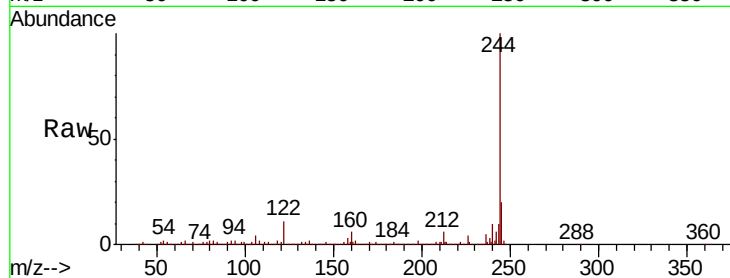




#79
 Terphenyl-d14
 Concen: 30.415 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113425.D
 Acq: 29 Mar 2019 20:51

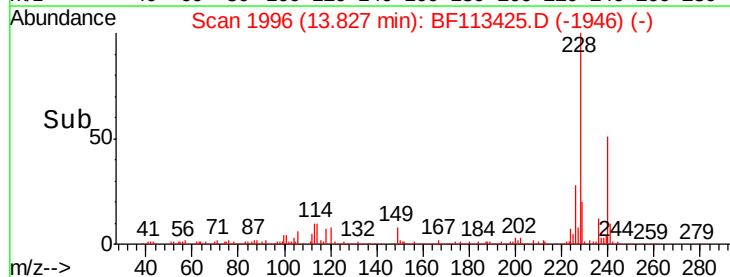
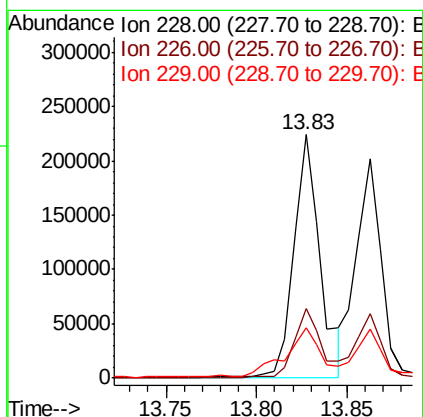
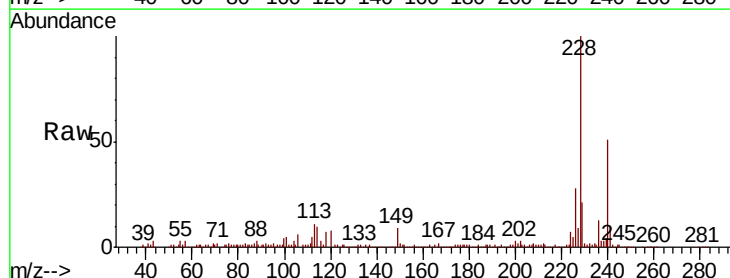
Instrument :
 BNA_F
 ClientSampled :
 SP-1

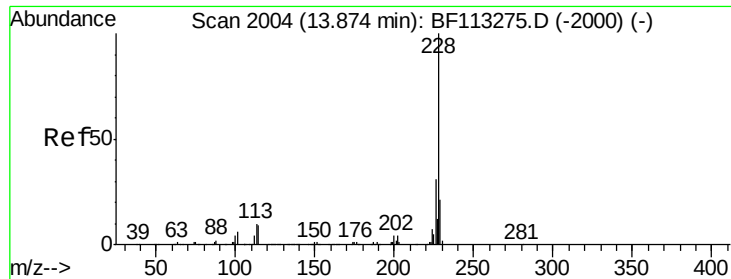
Tgt Ion:244 Resp: 686984
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 11.3 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 7.976 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113425.D
 Acq: 29 Mar 2019 20:51

Tgt Ion:228 Resp: 227297
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 20.7 16.2 24.4

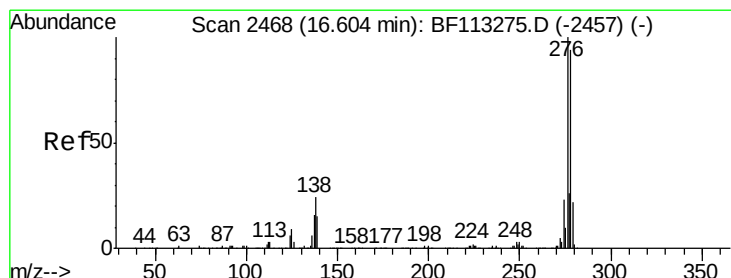
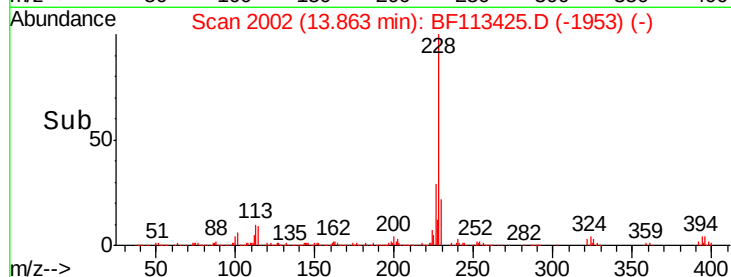
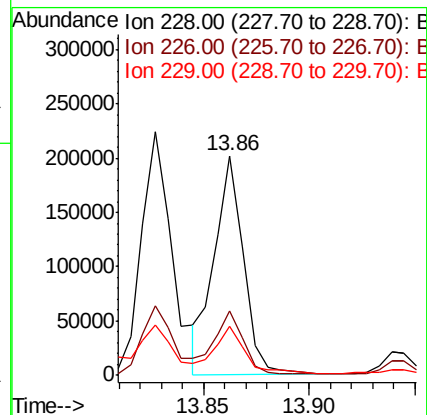
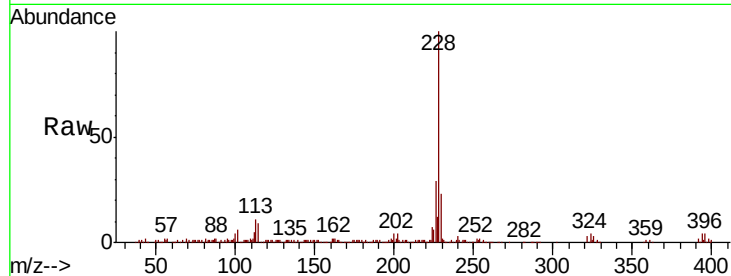




#83
Chrysene
Concen: 6.741 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

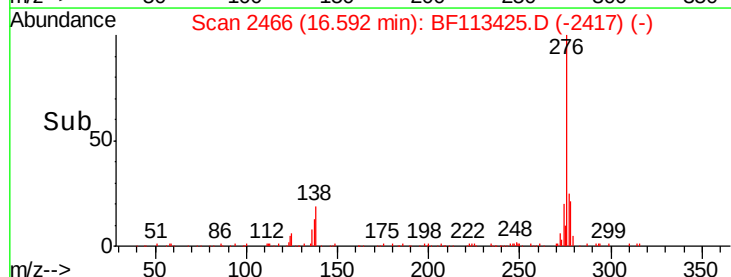
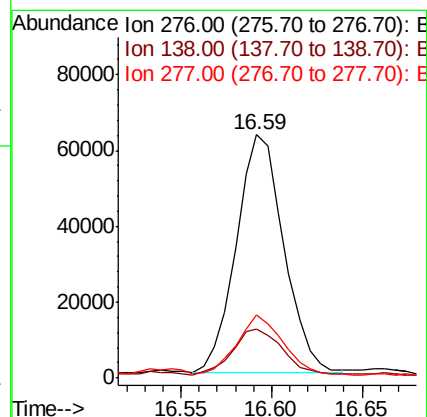
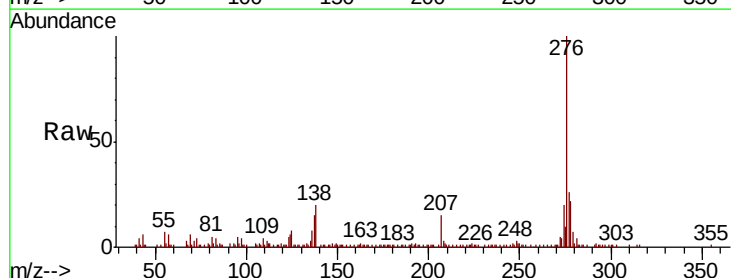
Instrument :
BNA_F
ClientSampleId :
SP-1

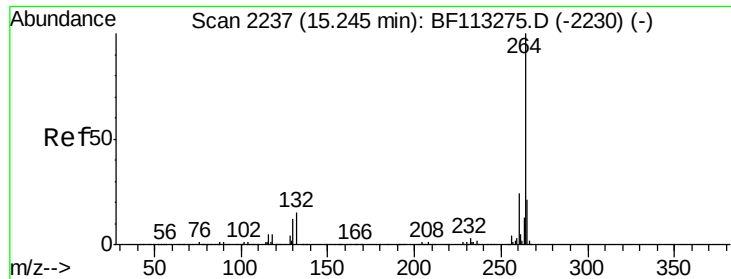
Tgt Ion: 228 Resp: 195135
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 22.5 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.598 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Tgt Ion: 276 Resp: 114234
Ion Ratio Lower Upper
276 100
138 20.4 18.1 27.1
277 24.5 20.2 30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Instrument :

BNA_F

ClientSampleId :

SP-1

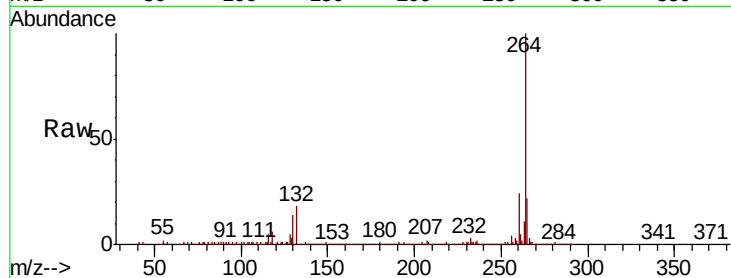
Tgt Ion:264 Resp: 488229

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

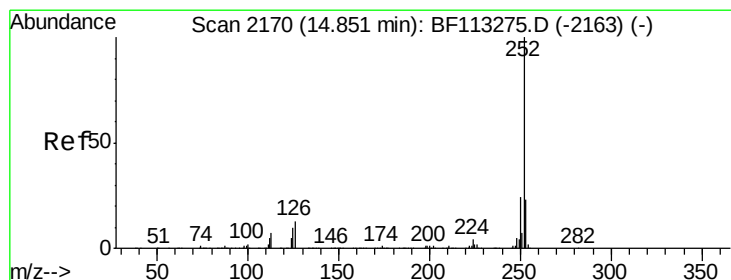
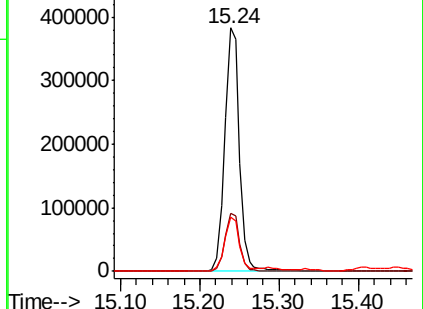
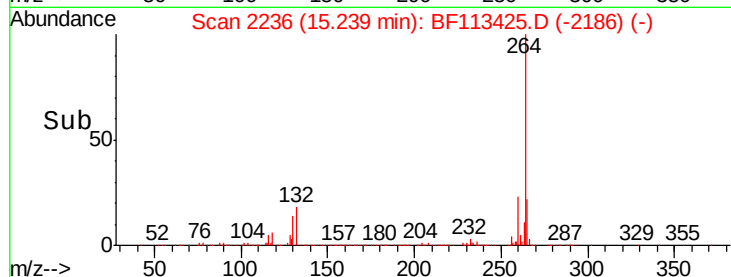
265 22.1 17.1 25.7



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: 12.018 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

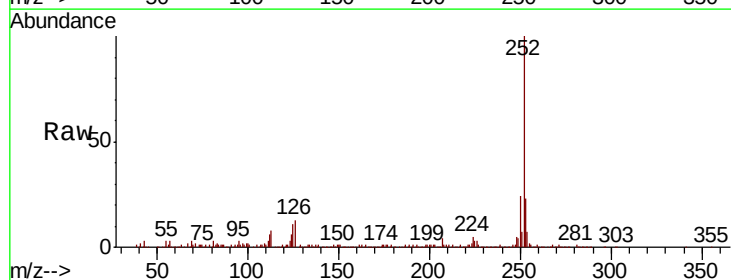
Tgt Ion:252 Resp: 364503

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

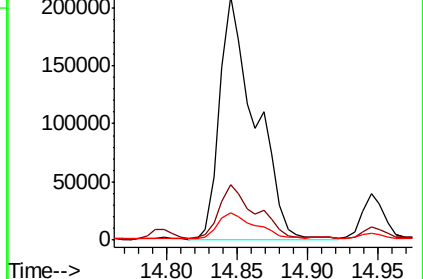
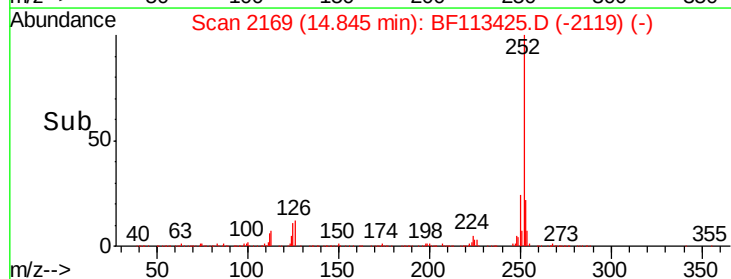
125 11.3 7.6 11.4

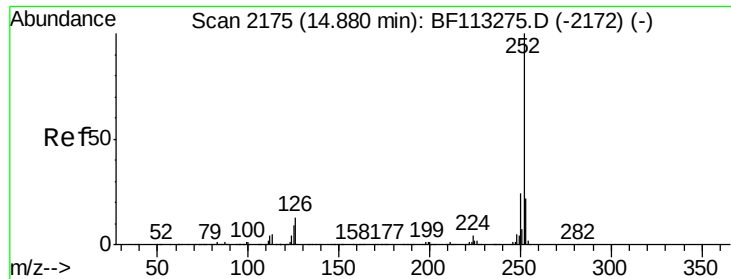


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

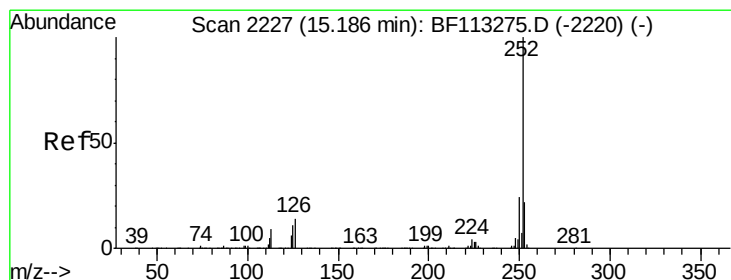
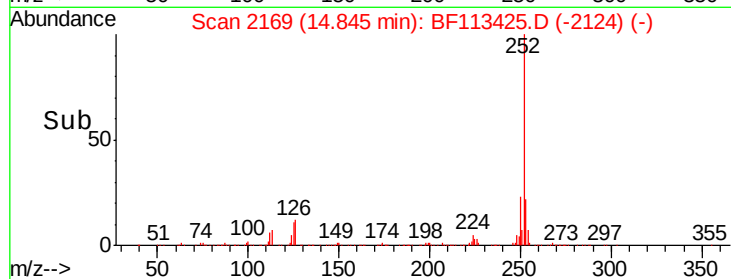
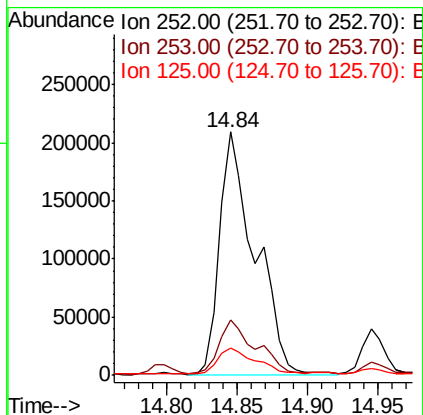
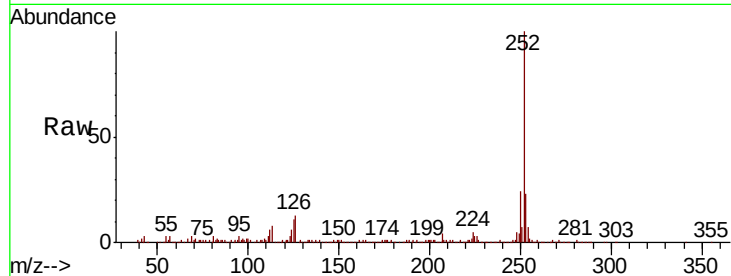




#89
Benzo(k)fluoranthene
Concen: 13.686 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

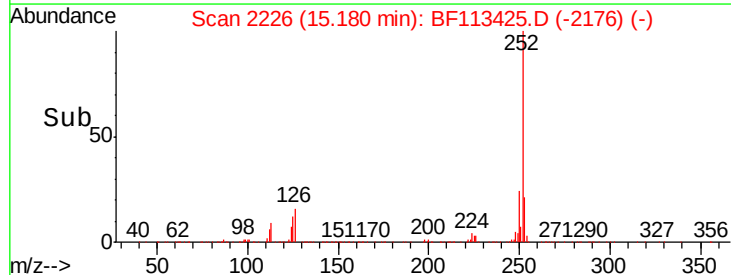
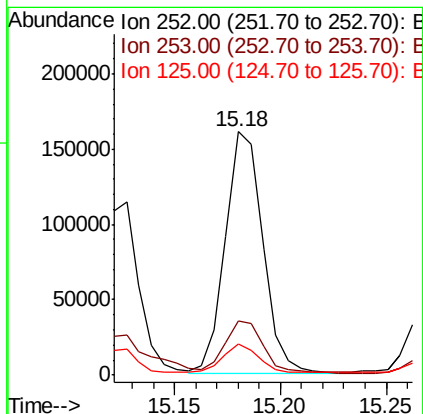
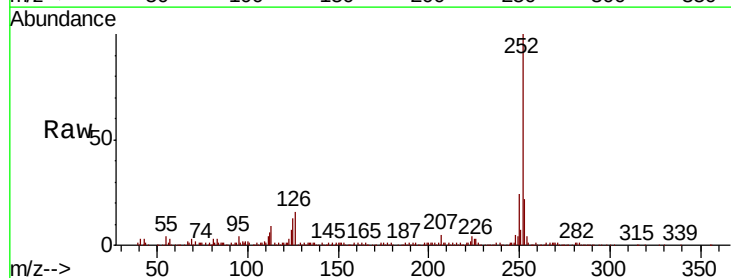
Instrument :
BNA_F
ClientSampled :
SP-1

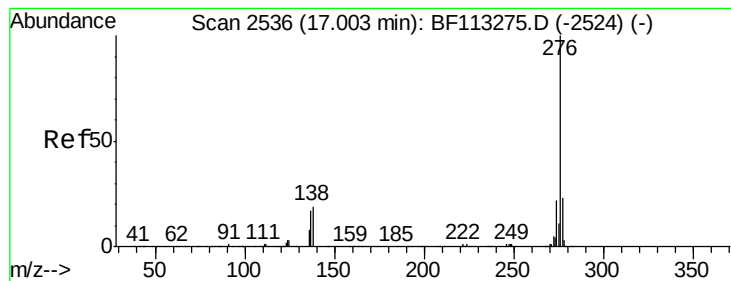
Tgt Ion:252 Resp: 364503
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.3 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 7.383 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113425.D
Acq: 29 Mar 2019 20:51

Tgt Ion:252 Resp: 198512
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 12.6 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.661 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF113425.D

Acq: 29 Mar 2019 20:51

Instrument :

BNA_F

ClientSampleId :

SP-1

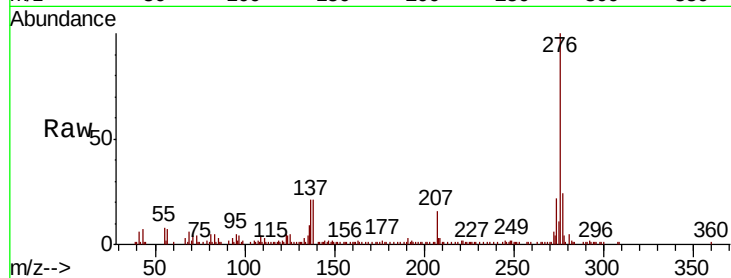
Tgt Ion: 276 Resp: 109262

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 20.6 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

