

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112976.D
 Acq On : 12 Mar 2019 1:06
 Operator : JU/SJ
 Sample : K1785-07 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SD1-0.0-0.5

Quant Time: Mar 12 04:44:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

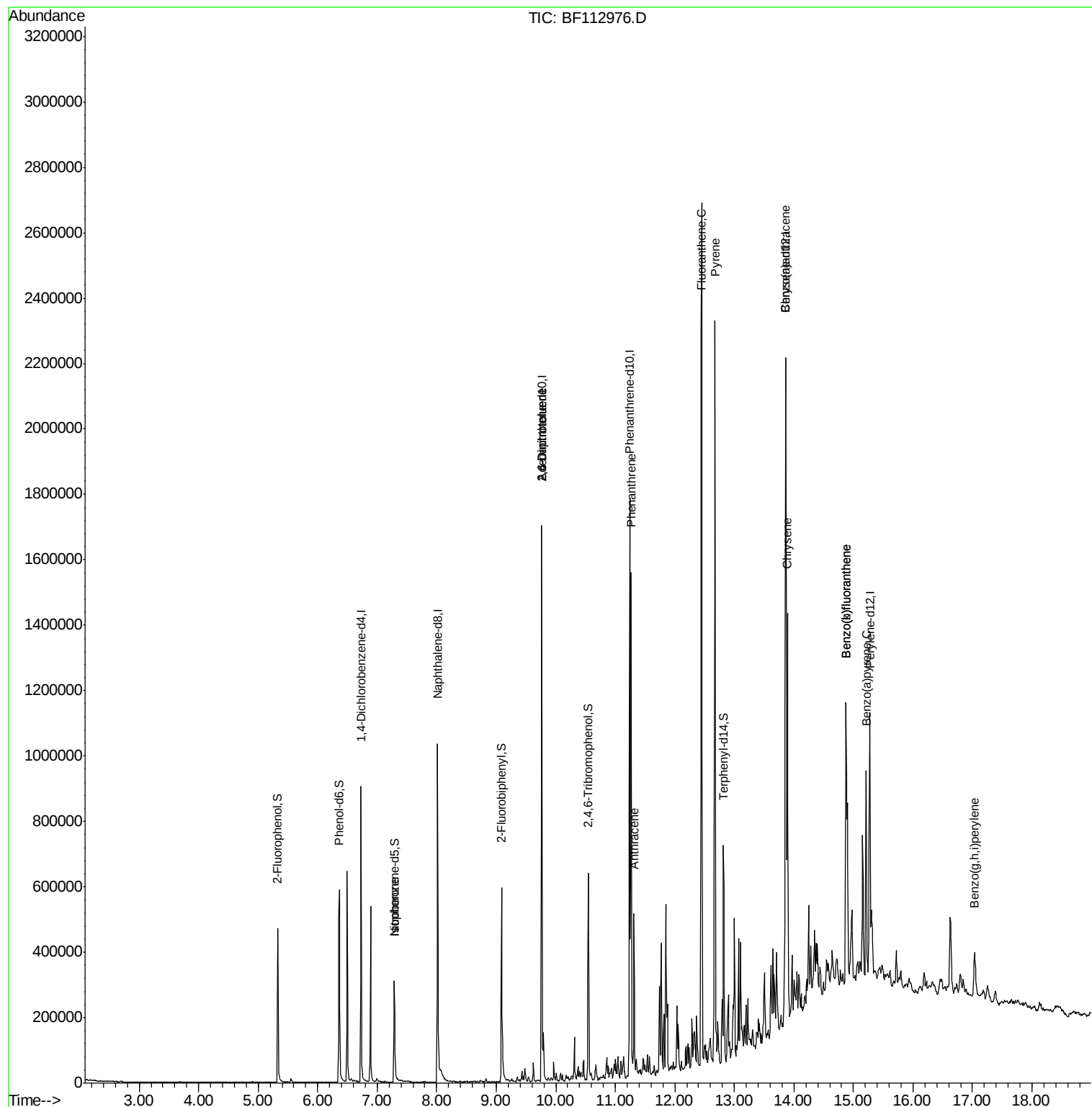
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	148199	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	558384	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	338398	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	681238	20.00	ng	0.00
76) Chrysene-d12	13.87	240	490444	20.00	ng	0.00
87) Perylene-d12	15.27	264	402180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	157820	16.57	ng	-0.01
7) Phenol-d6	6.36	99	226996	18.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	120837	12.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	79798	22.21	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	251170	8.72	ng	-0.01
79) Terphenyl-d14	12.82	244	214501	8.48	ng	-0.01
Target Compounds						
25) Isophorone	7.29	82	116000	5.770	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	44016	8.471	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	44186	6.841	ng	# 18
71) Phenanthrene	11.26	178	553924	16.343	ng	98
72) Anthracene	11.32	178	211952	5.974	ng	98
75) Fluoranthene	12.45	202	1113865	30.673	ng	96
78) Pyrene	12.67	202	946403	22.890	ng	99
81) Benzo(a)anthracene	13.86	228	575876	16.942	ng	98
83) Chrysene	13.89	228	459355	13.796	ng	97
88) Benzo(b)fluoranthene	14.87	252	676789	26.016	ng	98
89) Benzo(k)fluoranthene	14.87	252	676789	28.722	ng	99
90) Benzo(a)pyrene	15.22	252	319204	13.872	ng	97
92) Benzo(g,h,i)perylene	17.04	276	123361	6.257	ng	97

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

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QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

ClientSampleId :

SD1-0.0-0.5

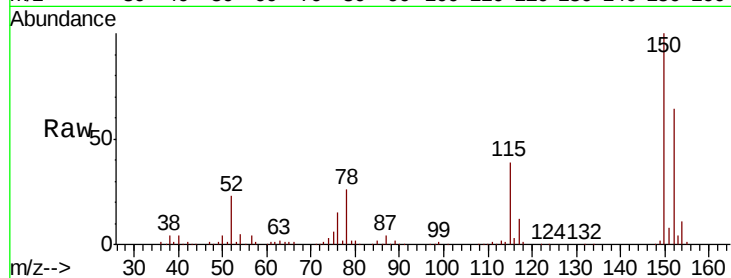
Tgt Ion:152 Resp: 148199

Ion Ratio Lower Upper

152 100

150 156.9 124.2 186.2

115 61.1 48.2 72.4

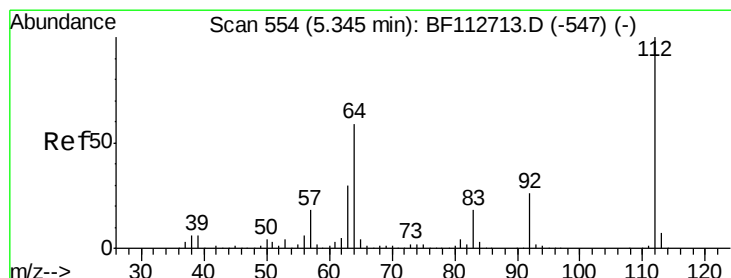
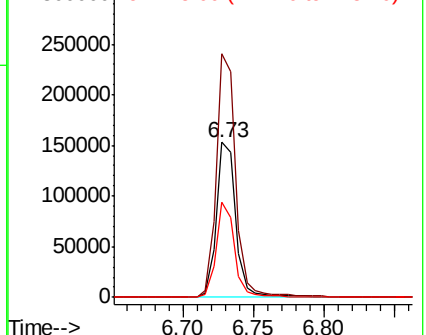
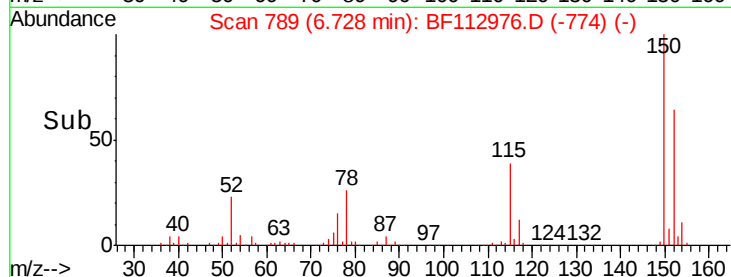


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 16.565 ng

RT: 5.33 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

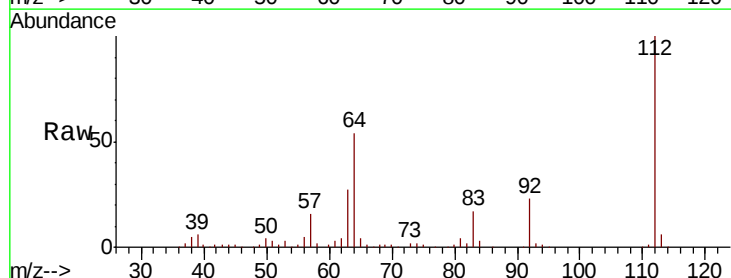
Tgt Ion:112 Resp: 157820

Ion Ratio Lower Upper

112 100

64 54.5 47.6 71.4

63 27.4 24.4 36.6

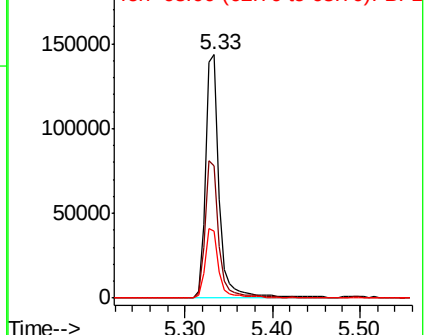
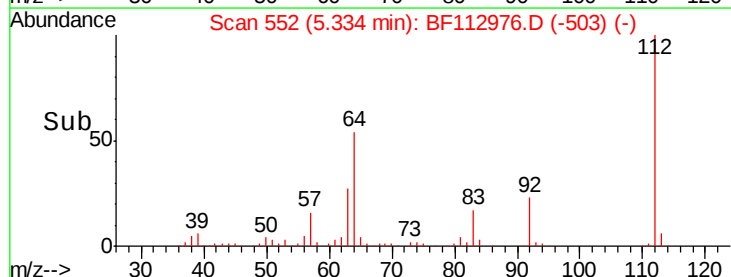


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.967 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

ClientSampleId :

SD1-0.0-0.5

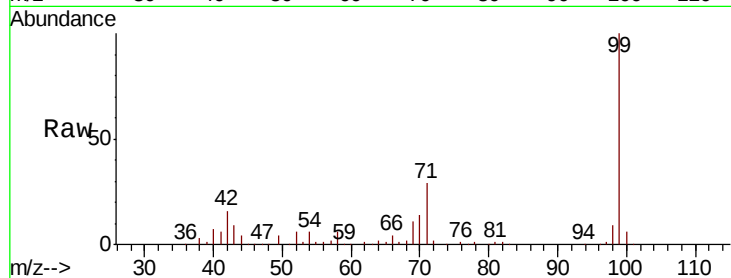
Tgt Ion: 99 Resp: 226996

Ion Ratio Lower Upper

99 100

42 16.5 16.3 24.5

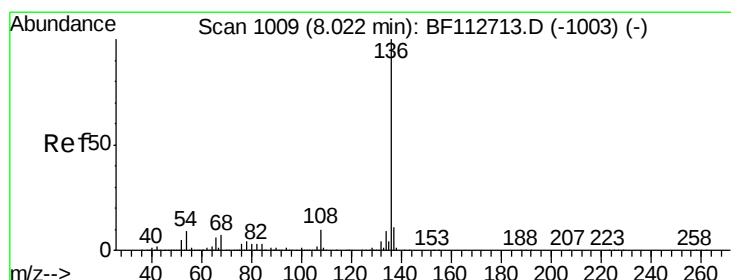
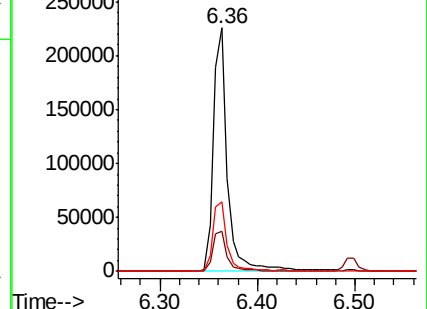
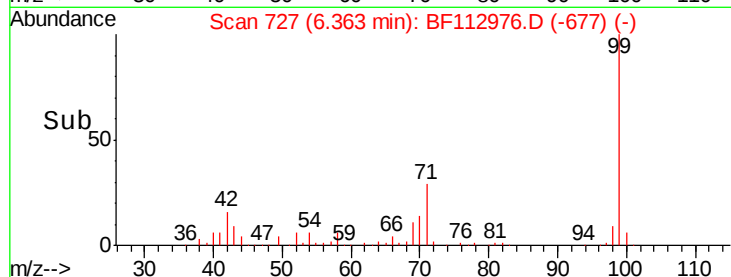
71 28.7 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Tgt Ion: 136 Resp: 558384

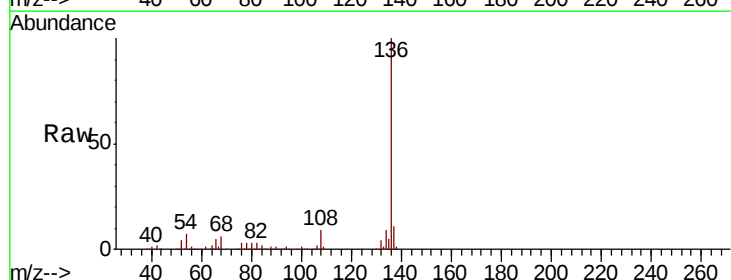
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.2 7.3 10.9#

68 5.7 5.4 8.2

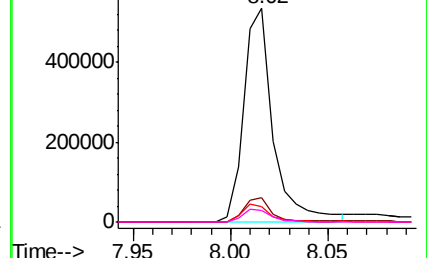
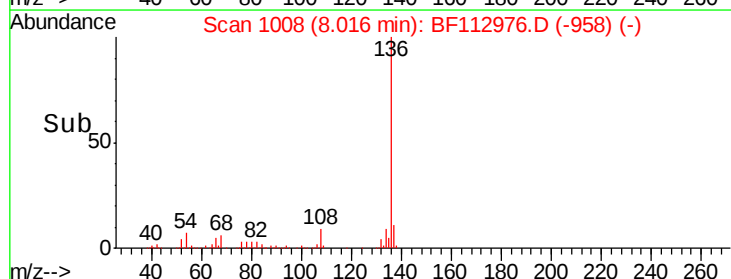


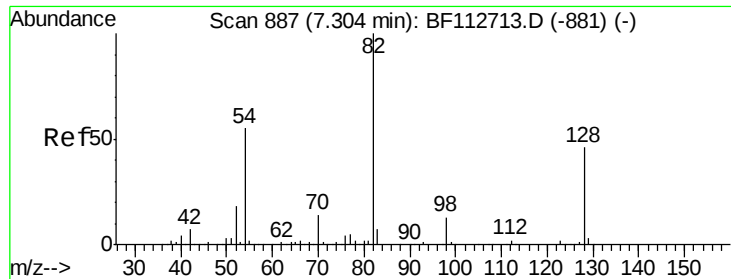
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

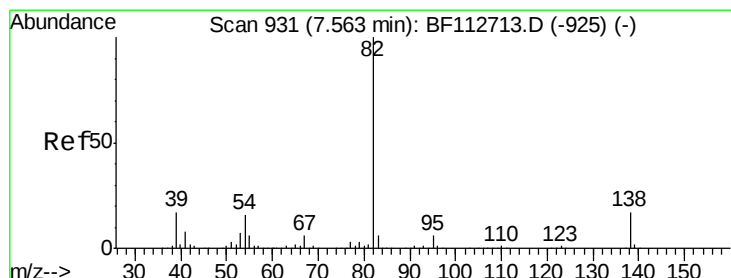
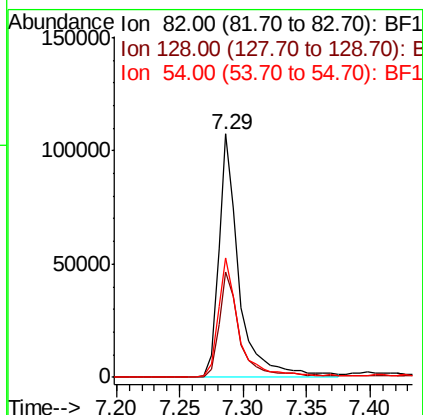
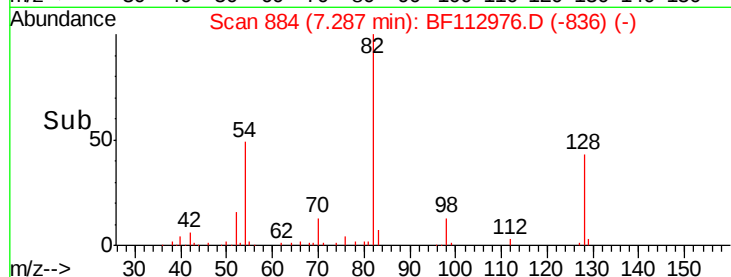
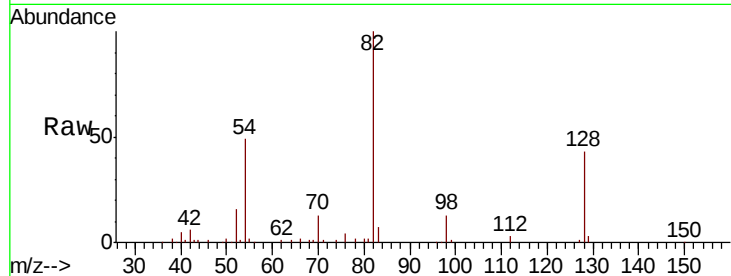




#23
Nitrobenzene-d5
Concen: 12.949 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

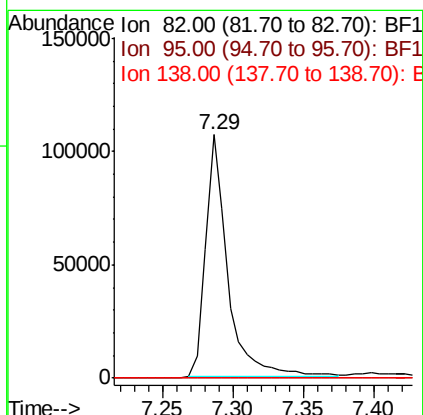
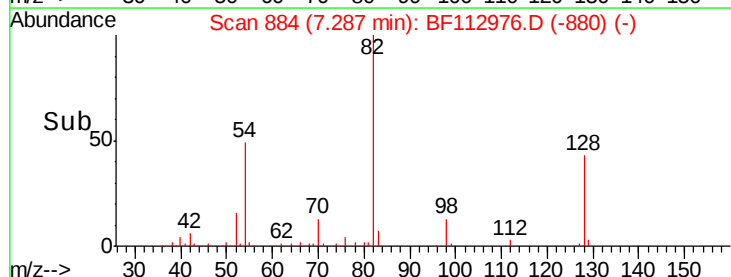
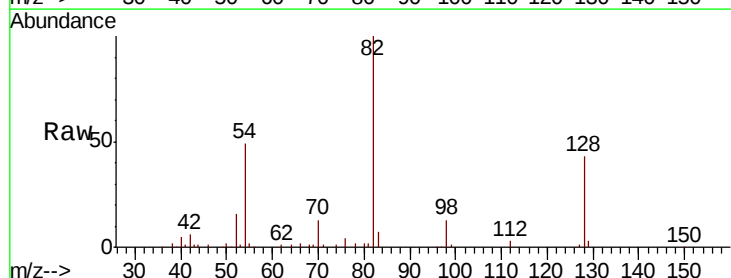
Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

Tgt Ion: 82 Resp: 120837
Ion Ratio Lower Upper
82 100
128 43.3 36.3 54.5
54 49.1 43.7 65.5



#25
Isophorone
Concen: 5.770 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion: 82 Resp: 116000
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

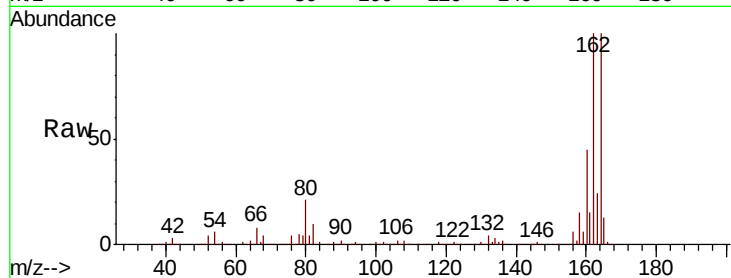




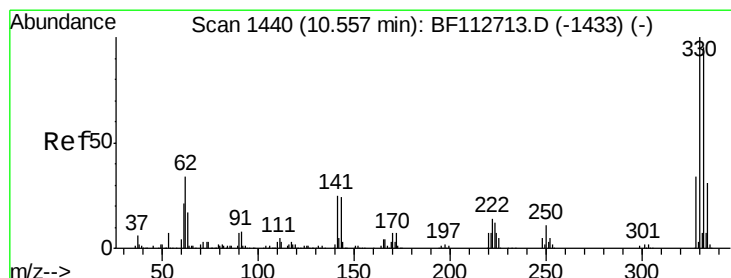
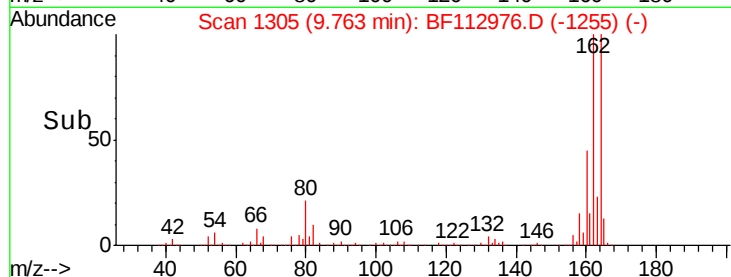
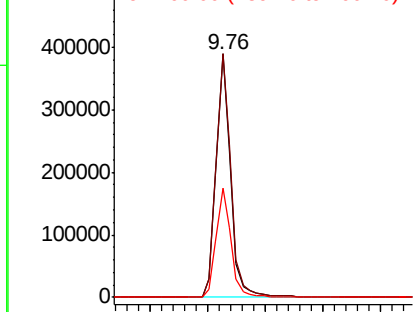
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.9	36.0	54.0

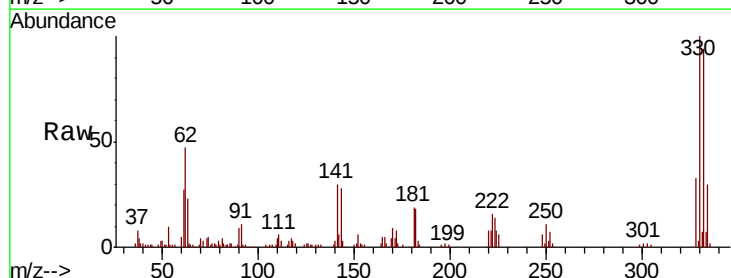


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

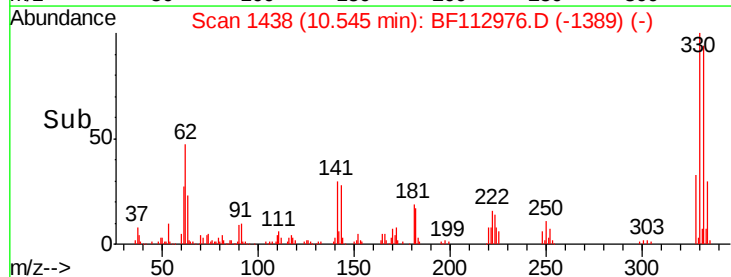
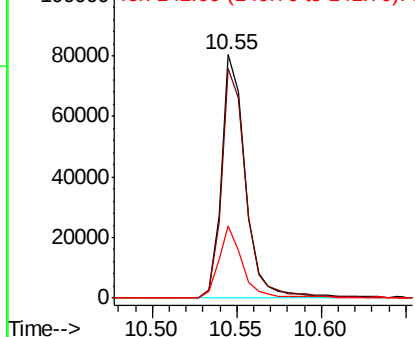


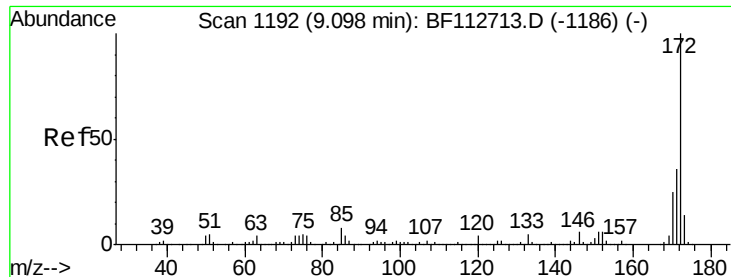
#42
2,4,6-Tribromophenol
Concen: 22.212 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.4
141	29.8	27.0	40.6



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

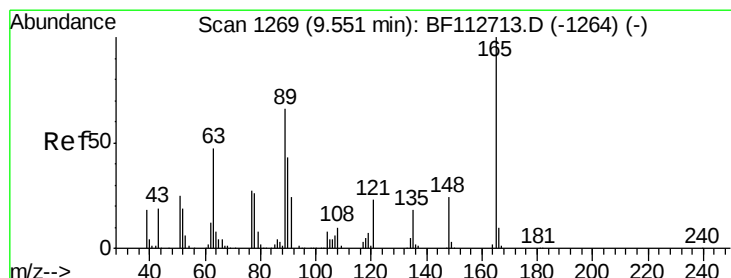
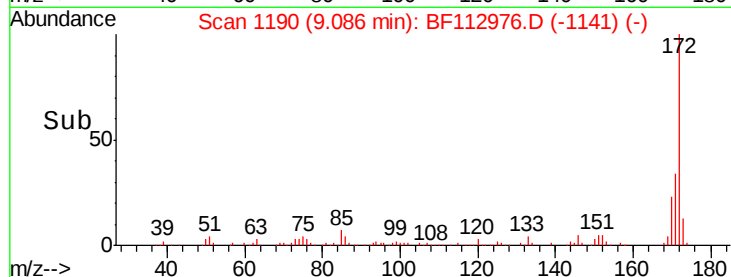
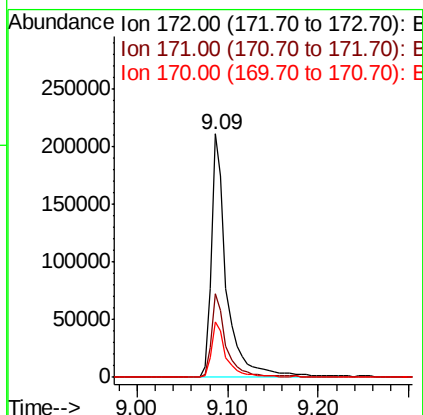
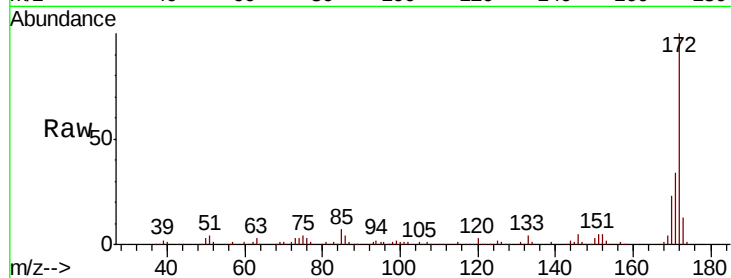




#45
 2-Fluorobiphenyl
 Concen: 8.716 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

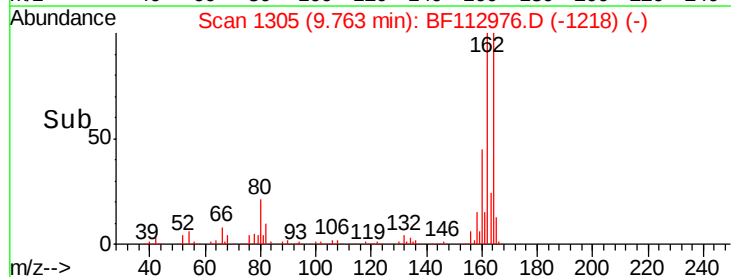
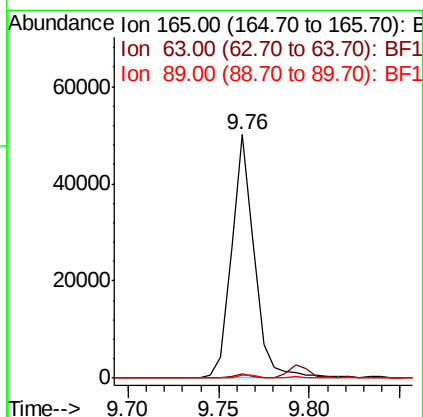
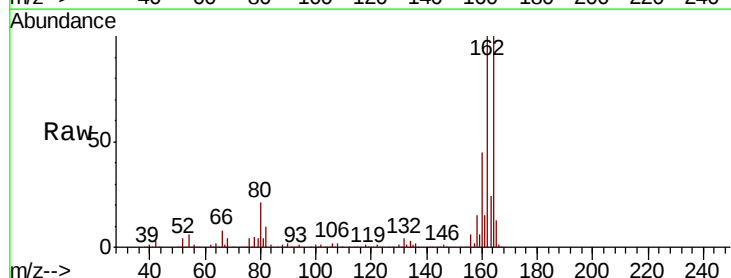
Instrument :
 BNA_F
 ClientSampleId :
 SD1-0.0-0.5

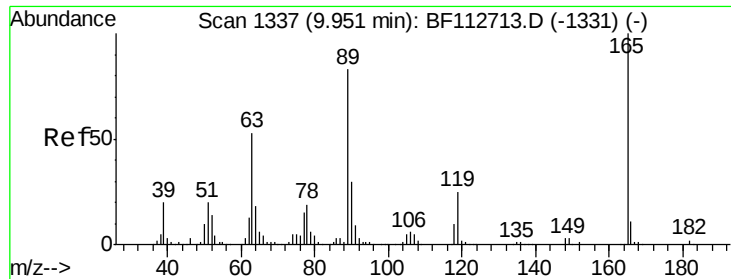
Tgt Ion:172 Resp: 251170
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.0 43.4
 170 22.8 20.0 30.0



#51
 2,6-Dinitrotoluene
 Concen: 8.471 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.21 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Tgt Ion:165 Resp: 44016
 Ion Ratio Lower Upper
 165 100
 63 1.7 54.1 81.1#
 89 1.1 52.8 79.2#

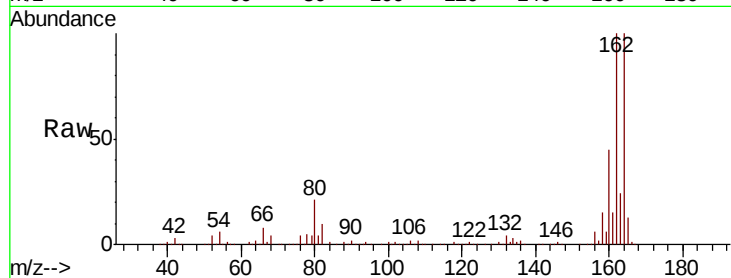




#57
 2,4-Dinitrotoluene
 Concen: 6.841 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 SD1-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.2	63.2#
89	1.1	66.2	99.4#
182	0.0	1.8	2.6#



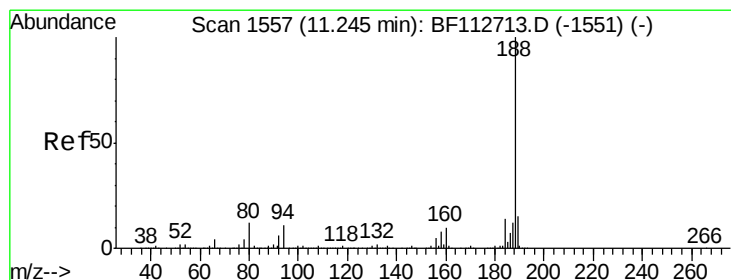
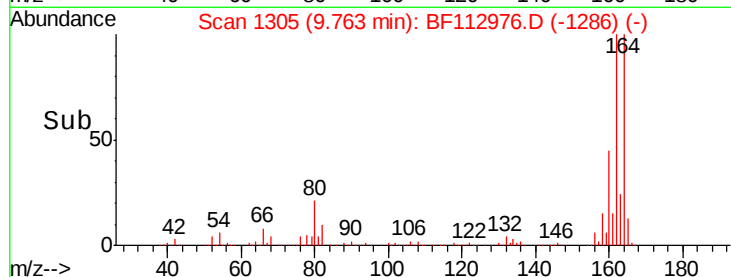
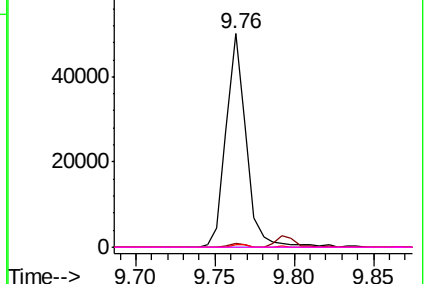
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

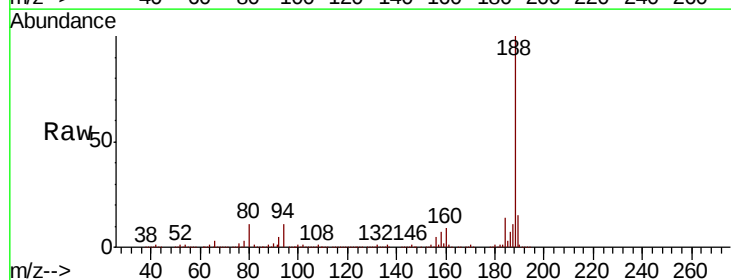
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.4
80	10.7	9.2	13.8

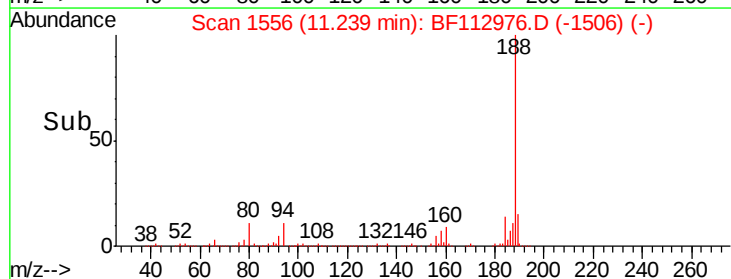
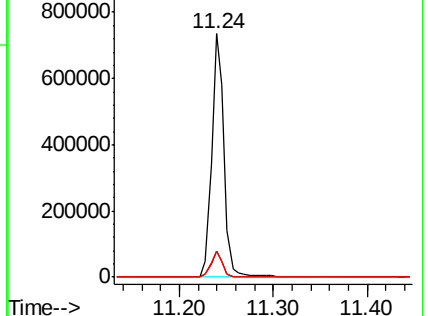


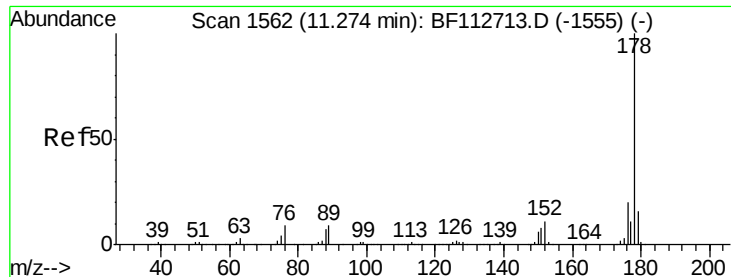
Abundance

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

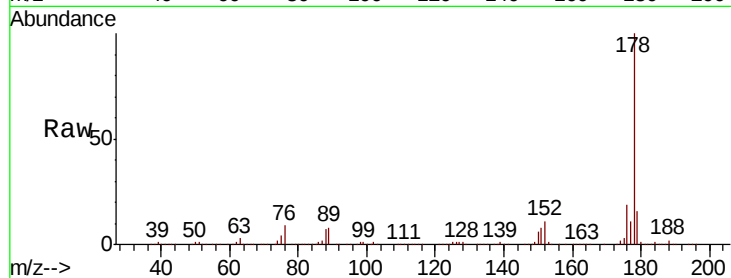




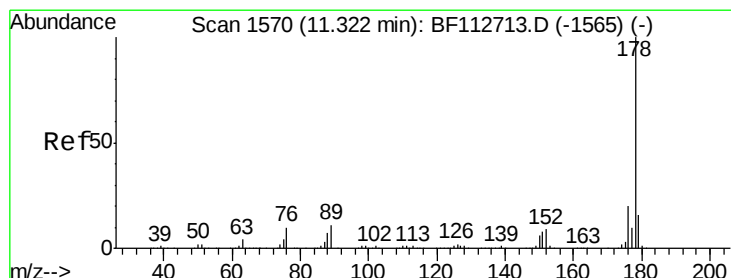
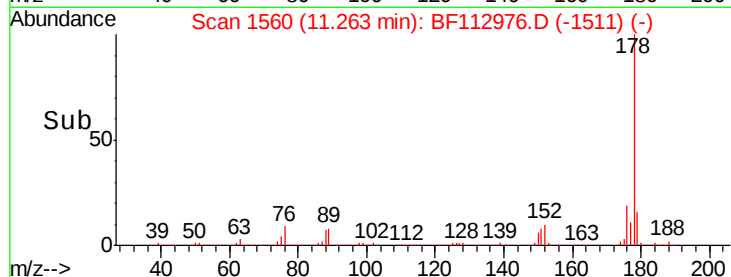
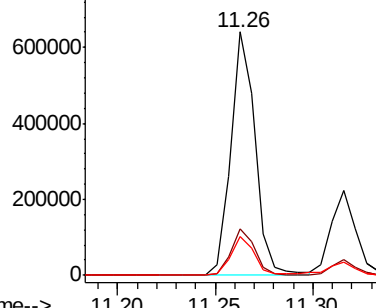
#71
Phenanthrene
Concen: 16.343 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

Tgt Ion:178 Resp: 553924
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 15.8 12.7 19.1

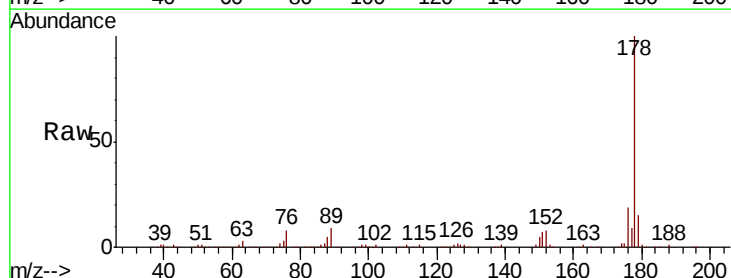


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

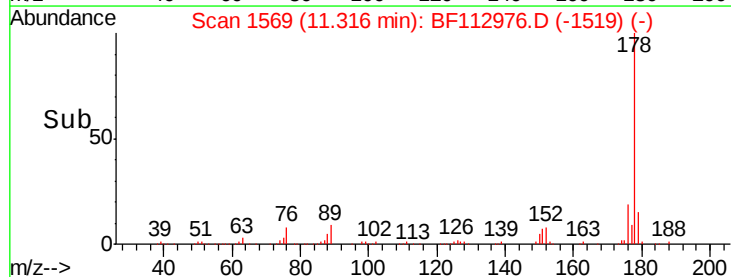
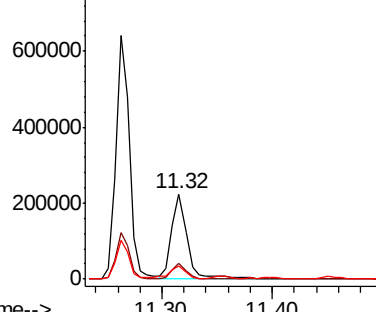


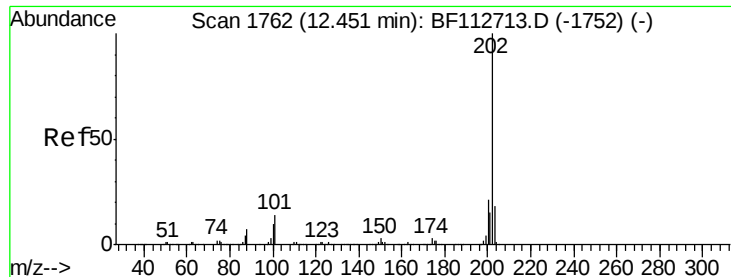
#72
Anthracene
Concen: 5.974 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion:178 Resp: 211952
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.5 13.0 19.6



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: 30.673 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

ClientSampleId :

SD1-0.0-0.5

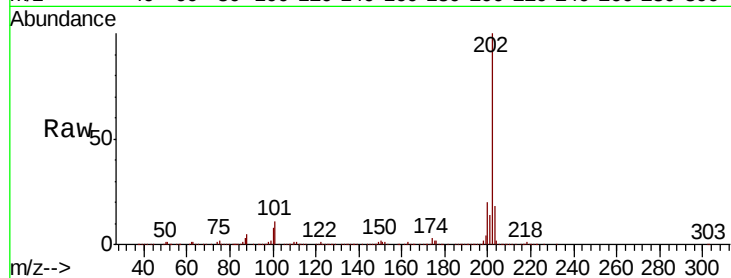
Tgt Ion:202 Resp: 1113865

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.8

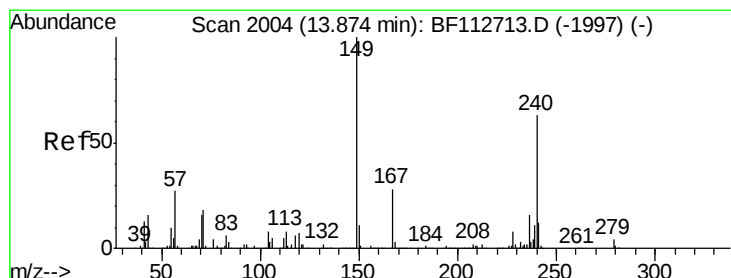
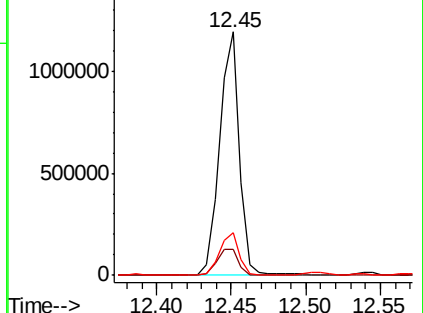
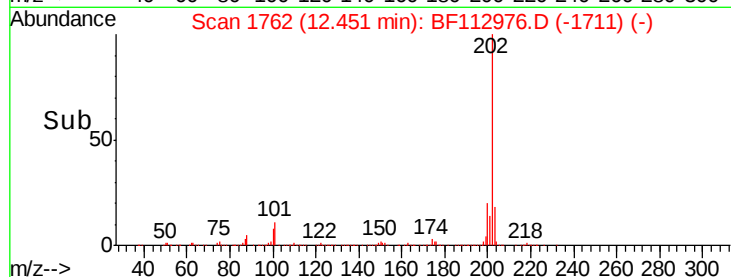
203 17.6 0.0 38.4



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

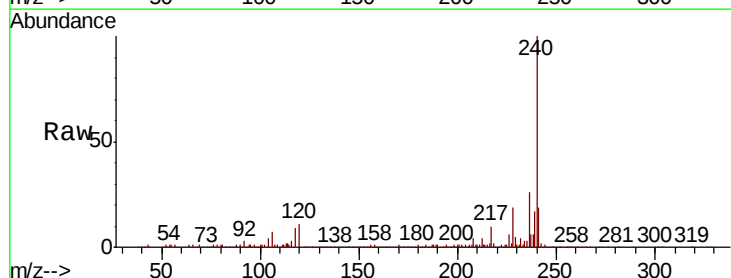
Tgt Ion:240 Resp: 490444

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

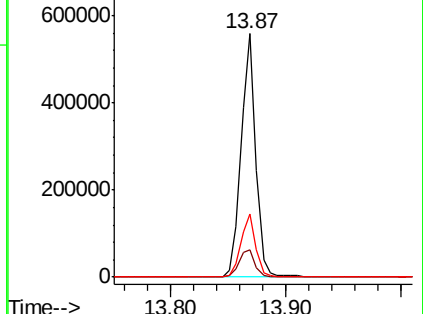
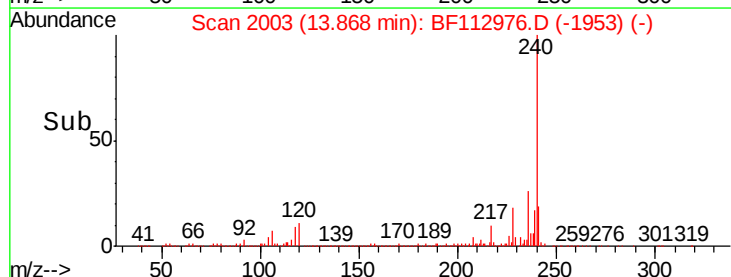
236 26.2 20.7 31.1

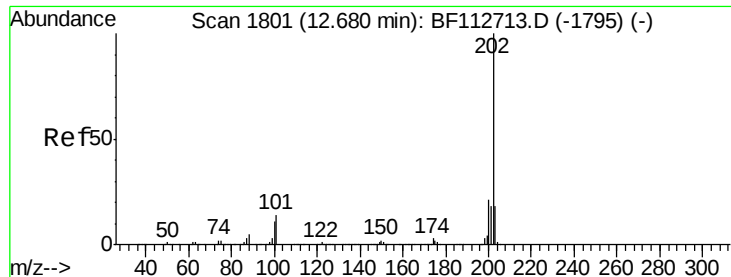


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

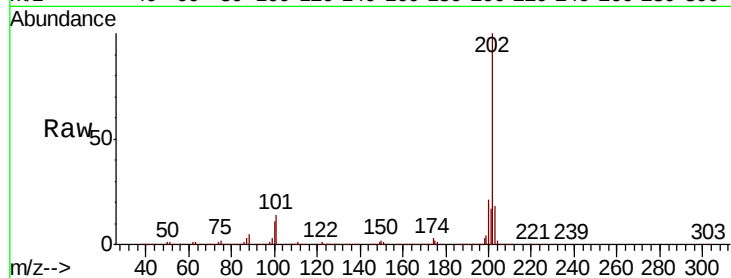




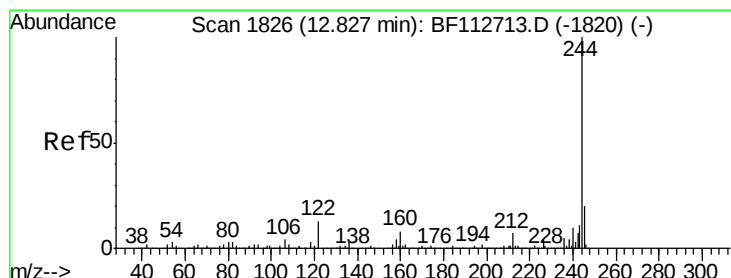
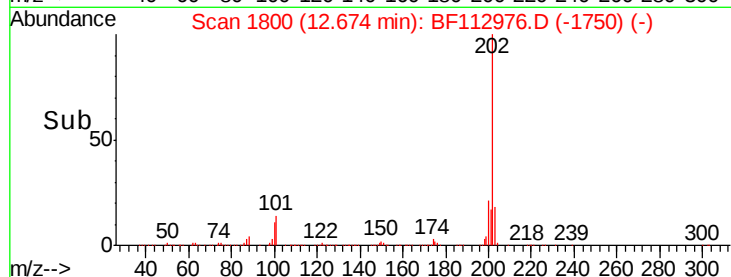
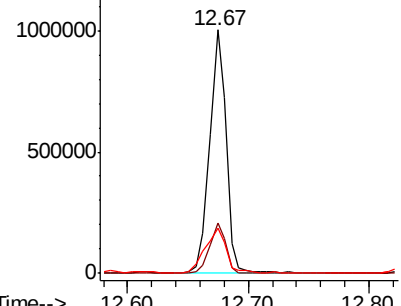
#78
 Pyrene
 Concen: 22.890 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Instrument :
 BNA_F
 ClientSampled :
 SD1-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.4	14.4	21.6

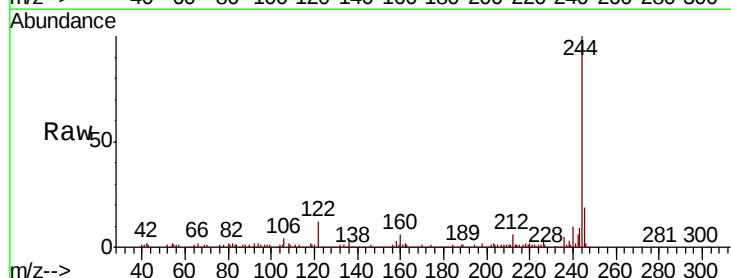


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

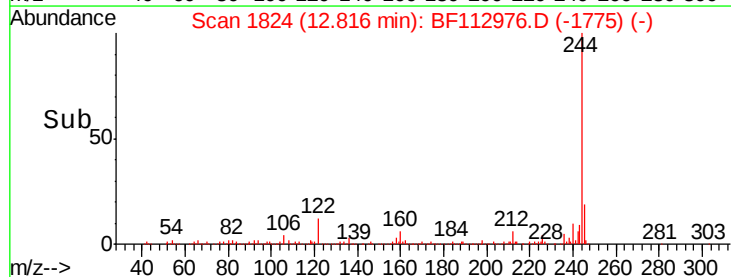
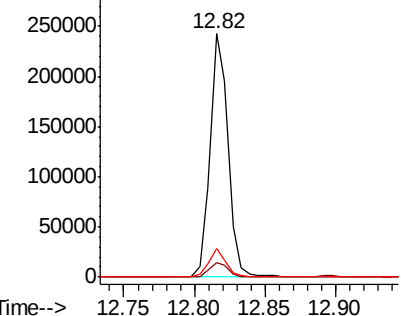


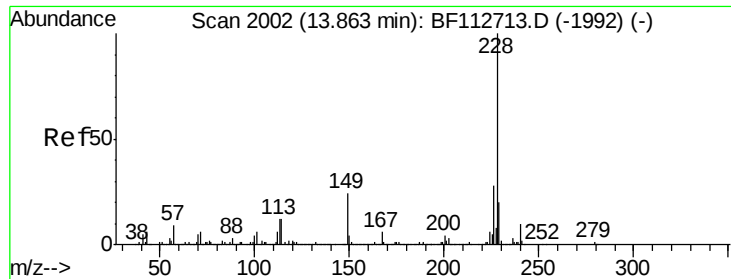
#79
 Terphenyl-d14
 Concen: 8.478 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.6	8.4
122	11.9	10.5	15.7



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

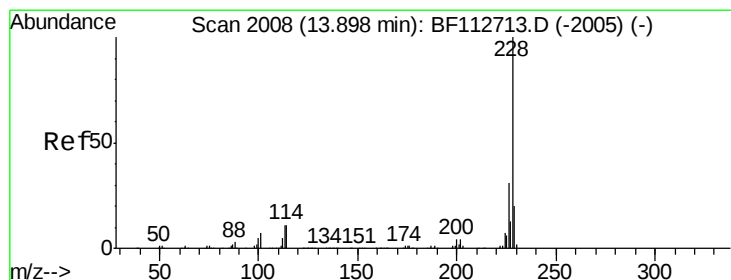
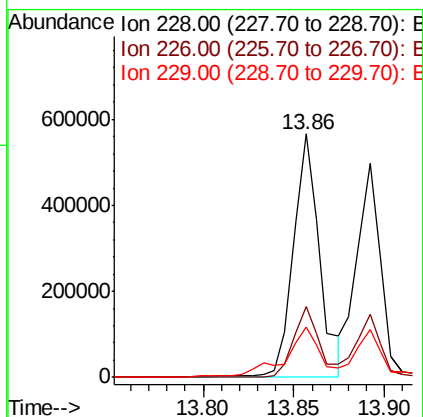
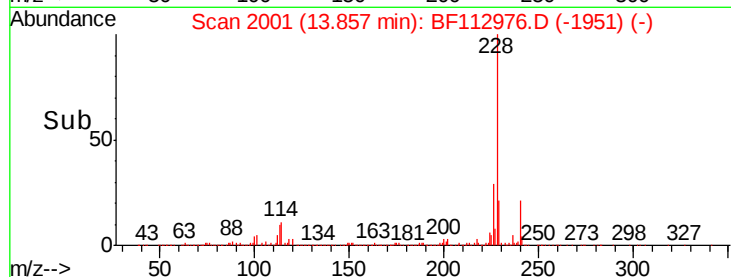
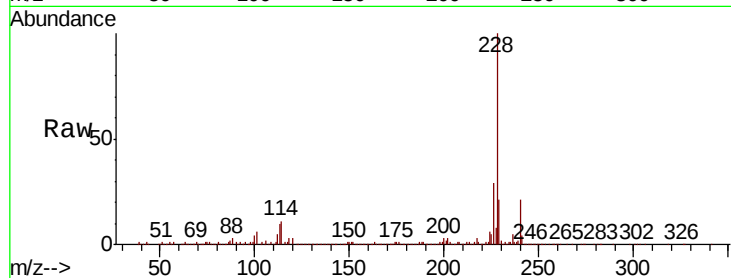




#81
Benzo(a)anthracene
Concen: 16.942 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

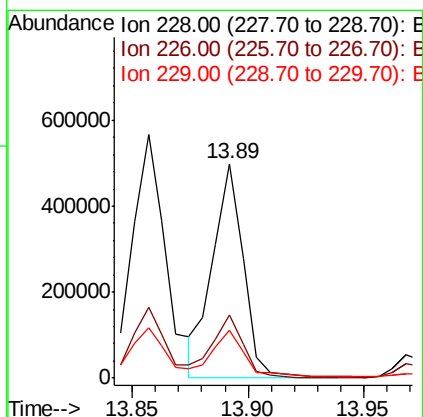
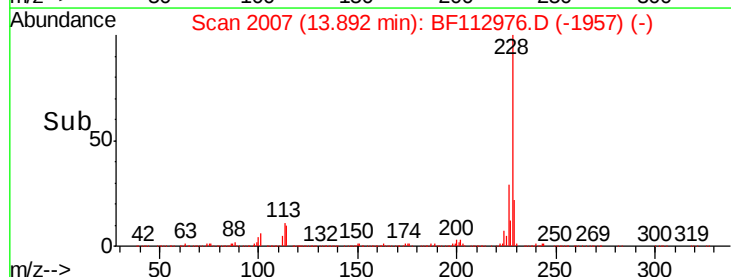
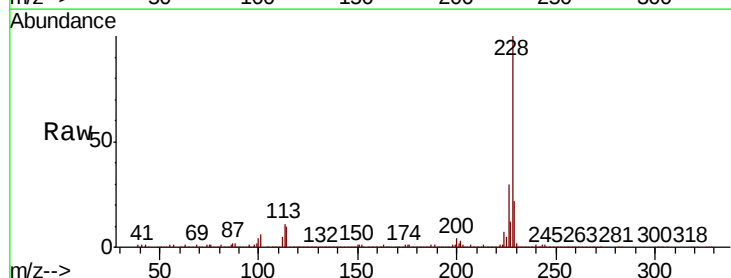
Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

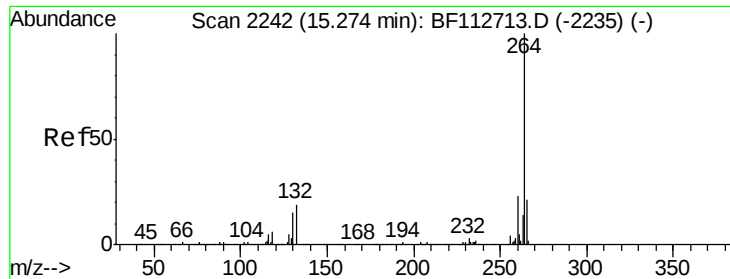
Tgt Ion:228 Resp: 575876
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.4
229 20.9 16.0 24.0



#83
Chrysene
Concen: 13.796 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion:228 Resp: 459355
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 22.3 16.3 24.5





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

ClientSampleId :

SD1-0.0-0.5

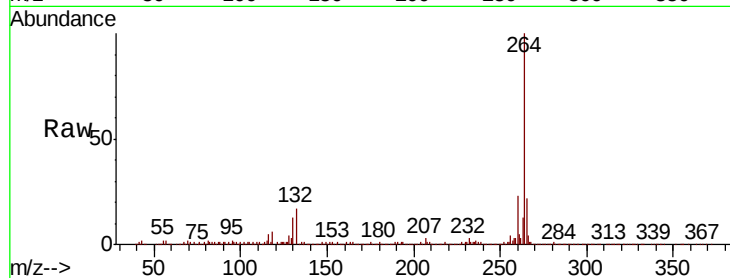
Tgt Ion:264 Resp: 402180

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

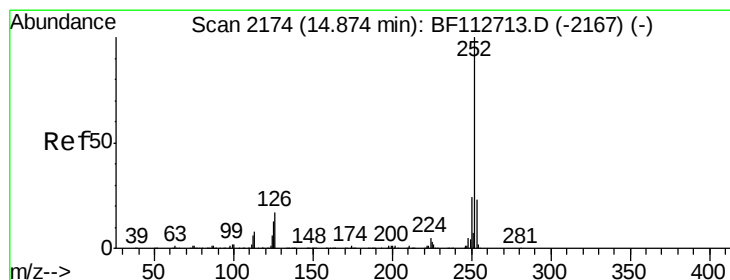
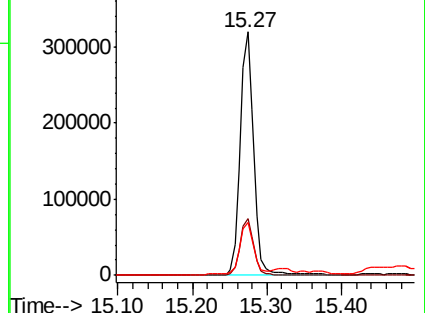
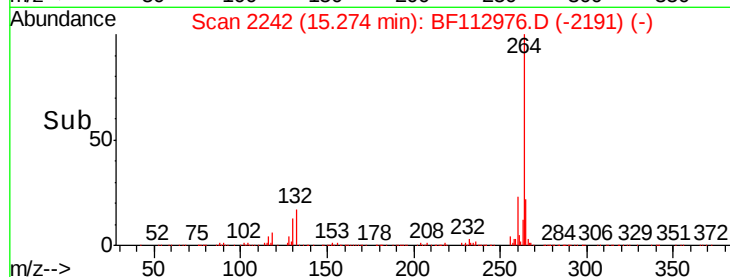
265 21.9 17.2 25.8



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: 26.016 ng

RT: 14.87 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

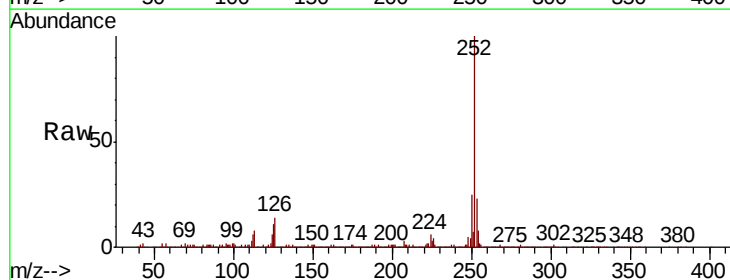
Tgt Ion:252 Resp: 676789

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

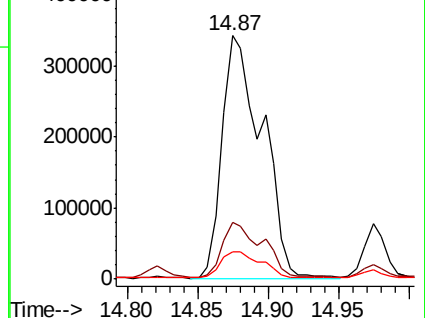
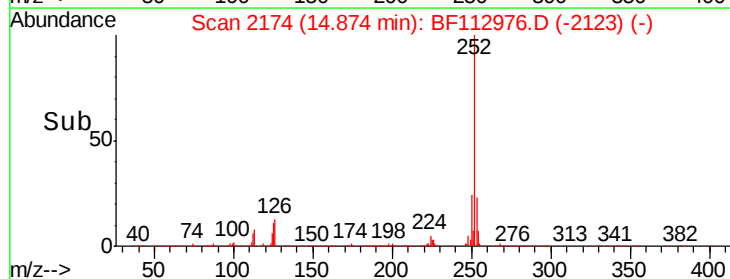
125 11.3 10.2 15.2

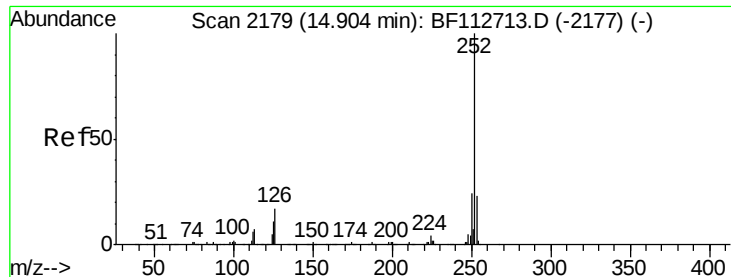


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

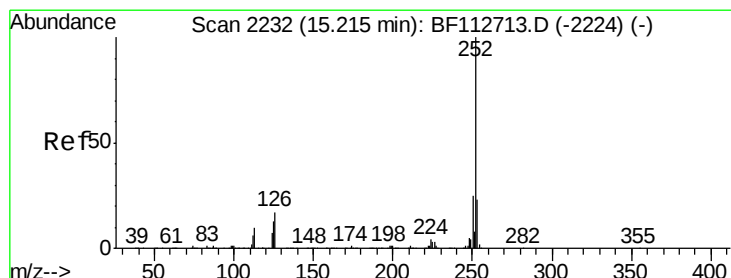
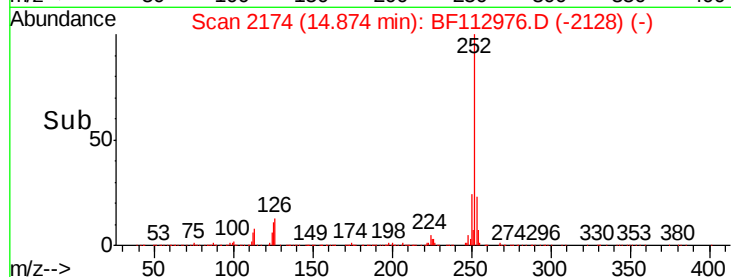
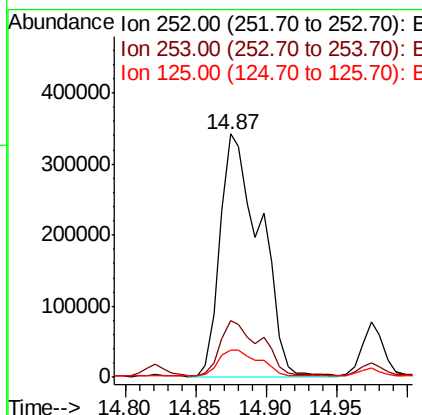
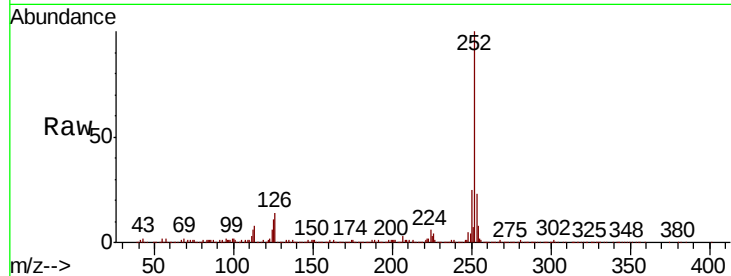




#89
Benzo(k)fluoranthene
Concen: 28.722 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

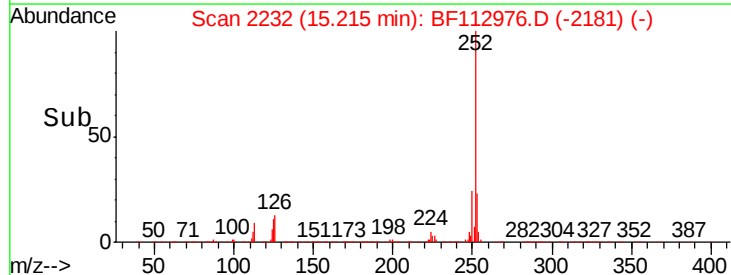
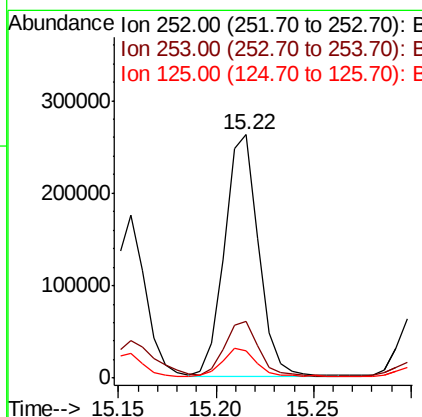
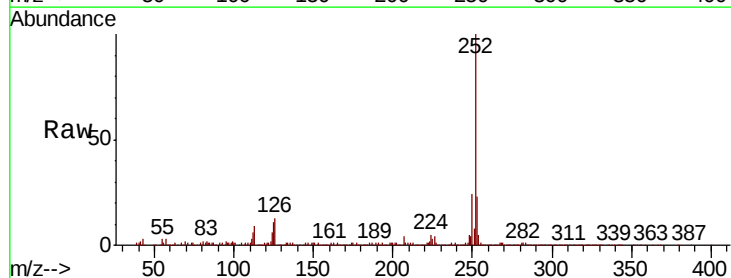
Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

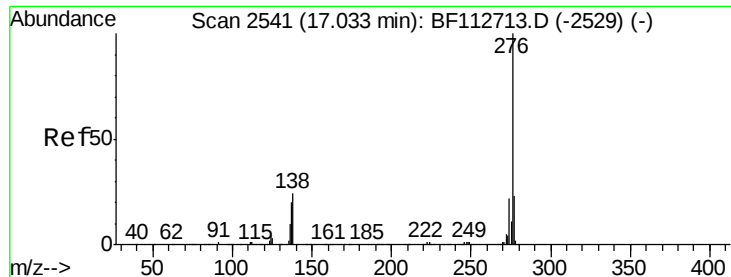
Tgt Ion:252 Resp: 676789
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.3 9.8 14.6



#90
Benzo(a)pyrene
Concen: 13.872 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion:252 Resp: 319204
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.3 10.7 16.1

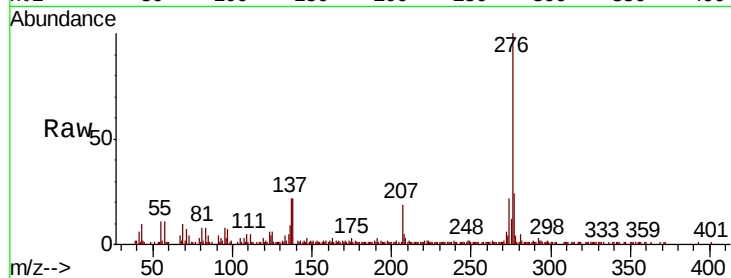




#92
 Benzo(g,h,i)perylene
 Concen: 6.257 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 SD1-0.0-0.5

Tgt Ion:	276	Resp:	123361
Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	27.8
138	22.0	19.4	29.0



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

