

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113474.D
 Acq On : 1 Apr 2019 18:50
 Operator : JU/SJ
 Sample : K2184-01 4X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-001

Quant Time: Apr 02 01:09:16 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	142814	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	555130	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	248228	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	427488	20.00	ng	0.00
76) Chrysene-d12	13.84	240	380026	20.00	ng	0.00
87) Perylene-d12	15.26	264	265361	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	89131	10.20	ng	0.00
7) Phenol-d6	6.35	99	190717	17.26	ng	0.00
23) Nitrobenzene-d5	7.27	82	105685	11.30	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	14138	4.61	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	236132	-3.44	ng	0.00
79) Terphenyl-d14	12.79	244	230648	13.38	ng	0.00

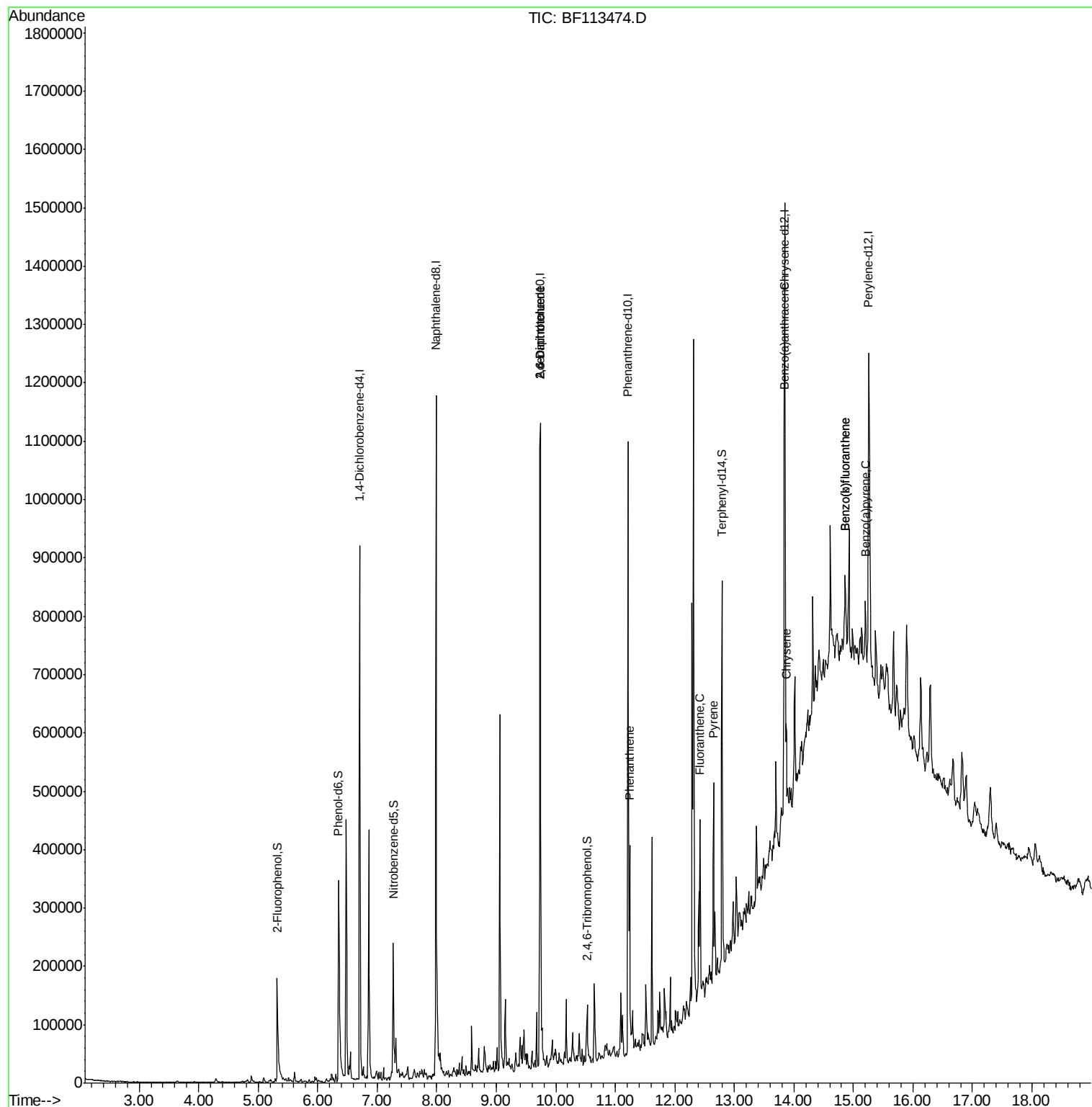
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 2,6-Dinitrotoluene	9.73	165	34103	8.218	ng	# 27
57) 2,4-Dinitrotoluene	9.73	165	34231	6.486	ng	# 24
71) Phenanthrene	11.24	178	121341	5.716	ng	97
75) Fluoranthene	12.42	202	142609	5.942	ng	99
78) Pyrene	12.65	202	133981	5.088	ng	99
81) Benzo(a)anthracene	13.83	228	63572	2.922	ng	# 91
83) Chrysene	13.87	228	65720	2.974	ng	# 95
88) Benzo(b)fluoranthene	14.86	252	75094	4.556	ng	# 83
89) Benzo(k)fluoranthene	14.86	252	75094	5.187	ng	# 82
90) Benzo(a)pyrene	15.20	252	36616	2.506	ng	# 73

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

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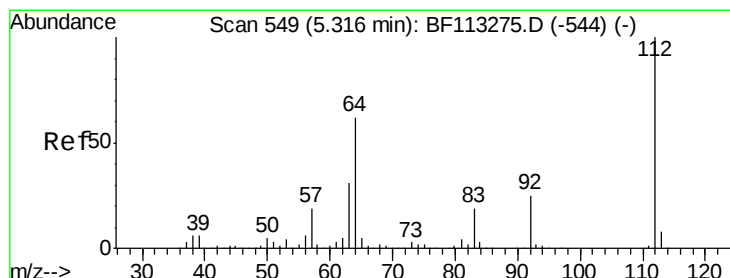
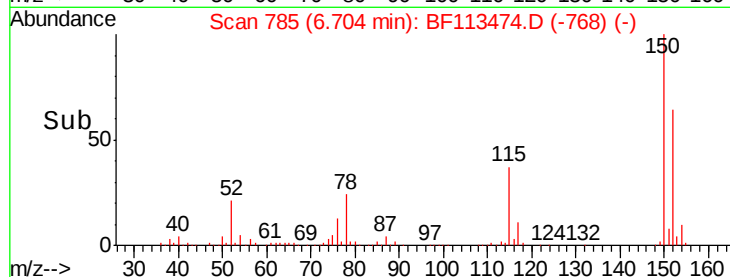
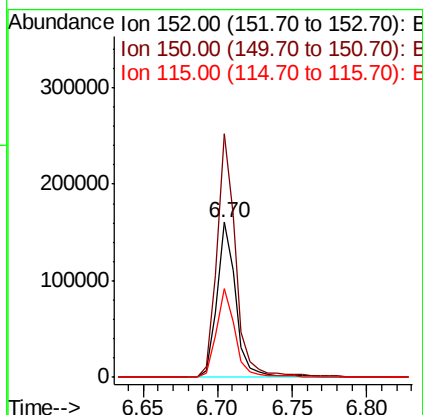
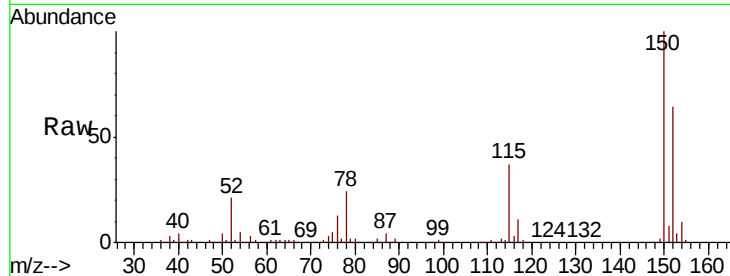


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

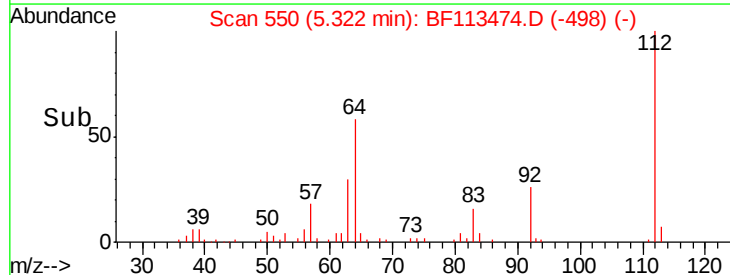
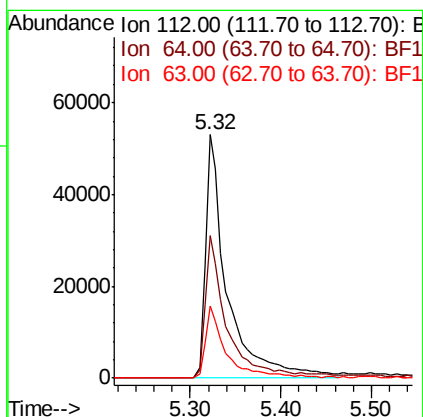
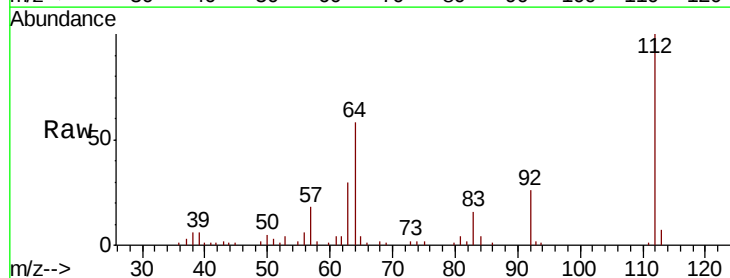
Tgt Ion:152 Resp: 142814
Ion Ratio Lower Upper
152 100
150 157.1 124.7 187.1
115 57.6 46.0 69.0

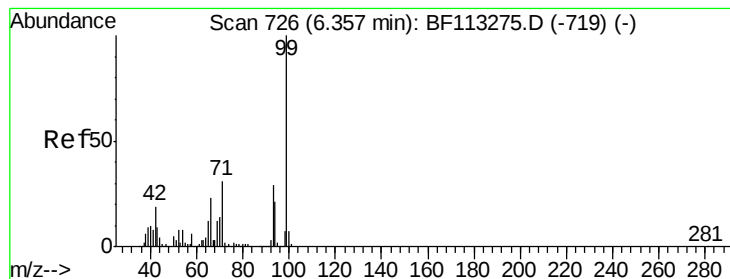


#5

2-Fluorophenol
Concen: 10.205 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Tgt Ion:112 Resp: 89131
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 29.7 24.9 37.3





#7

Phenol-d6

Concen: 17.261 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113474.D

Acq: 1 Apr 2019 18:50

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-001

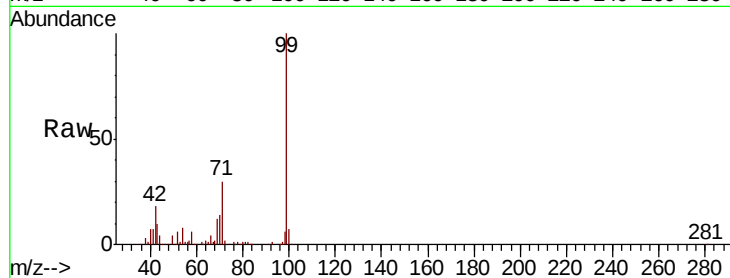
Tgt Ion: 99 Resp: 190717

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

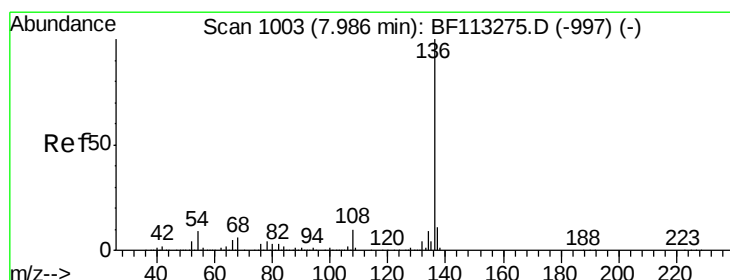
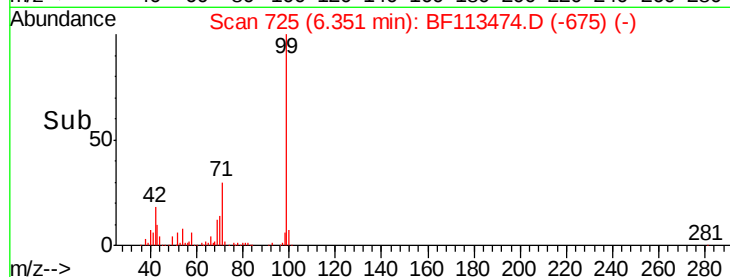
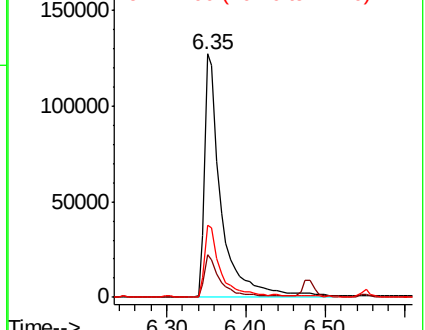
71 29.7 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113474.D

Acq: 1 Apr 2019 18:50

Tgt Ion: 136 Resp: 555130

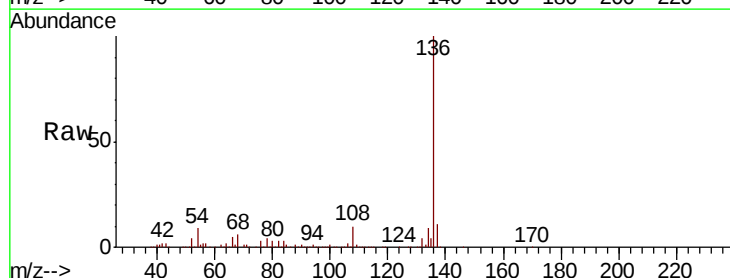
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.9 7.0 10.6

68 6.2 4.8 7.2

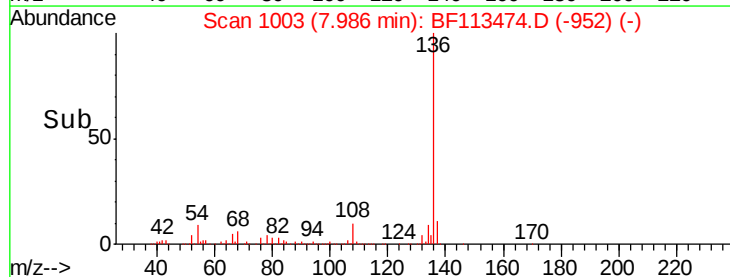
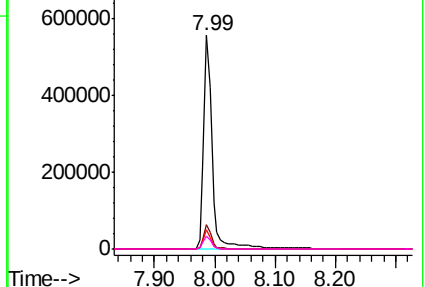


Abundance Ion 136.00 (135.70 to 136.70): E

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

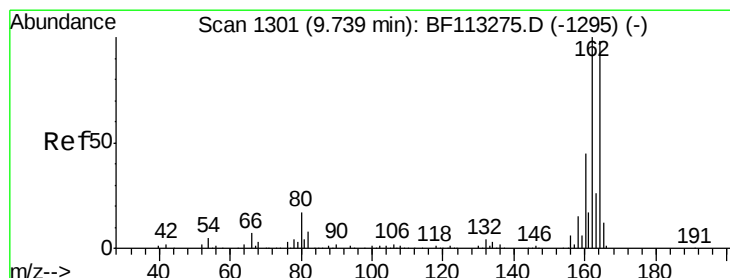
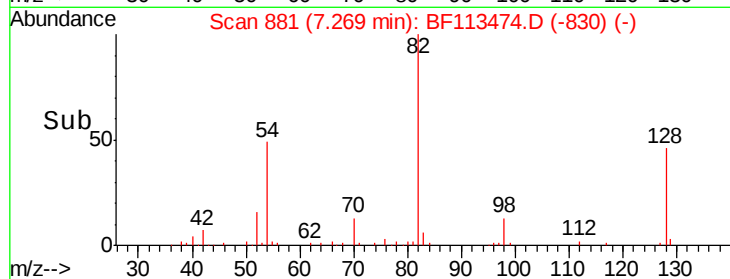
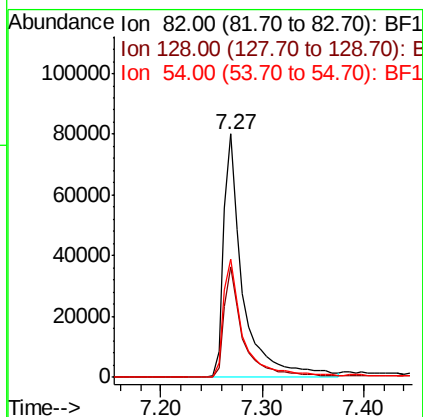
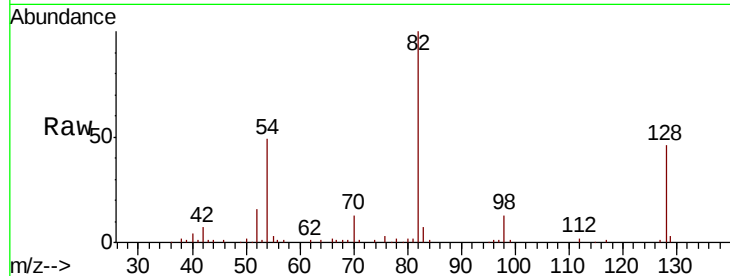




#23
 Nitrobenzene-d5
 Concen: 11.300 ng
 RT: 7.27 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF113474.D
 Acq: 1 Apr 2019 18:50

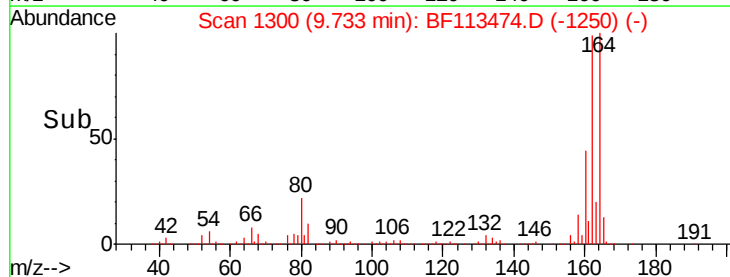
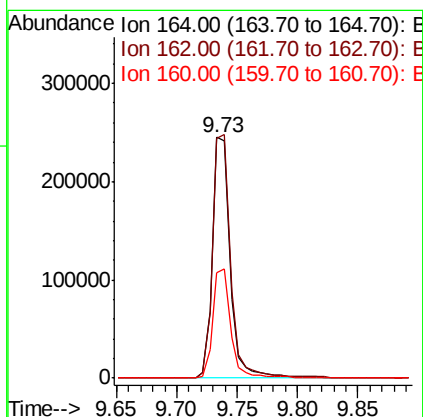
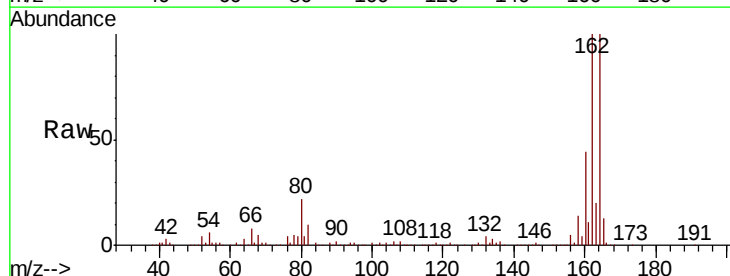
Instrument :
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 FK-0D015-03-001

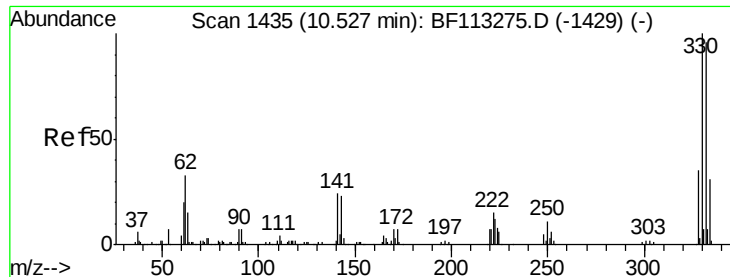
Tgt Ion: 82 Resp: 105685
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.5 54.7
 54 48.6 42.2 63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113474.D
 Acq: 1 Apr 2019 18:50

Tgt Ion: 164 Resp: 248228
 Ion Ratio Lower Upper
 164 100
 162 99.6 81.8 122.6
 160 43.8 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 4.611 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113474.D

Acq: 1 Apr 2019 18:50

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-001

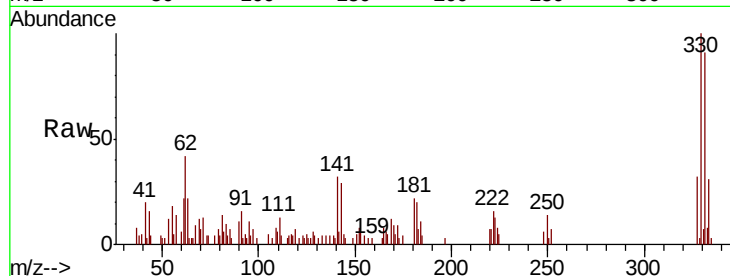
Tgt Ion:330 Resp: 14138

Ion Ratio Lower Upper

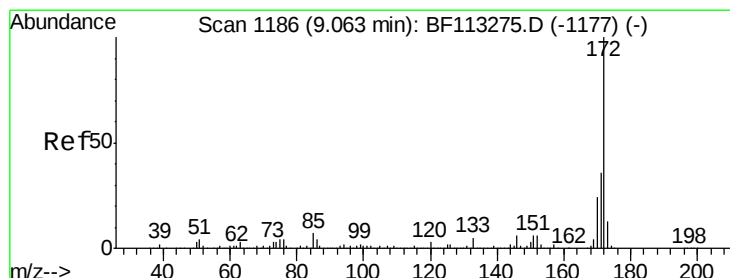
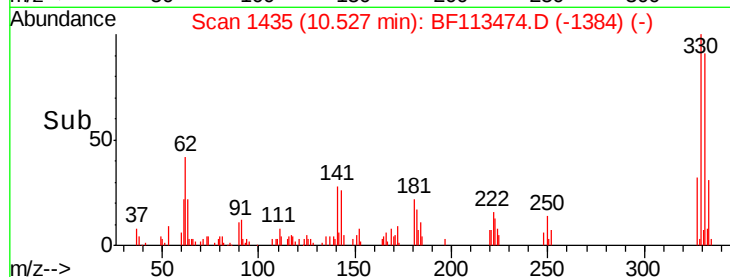
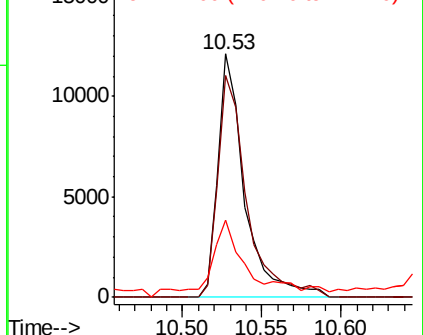
330 100

332 99.7 77.8 116.6

141 33.5 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: -3.441 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113474.D

Acq: 1 Apr 2019 18:50

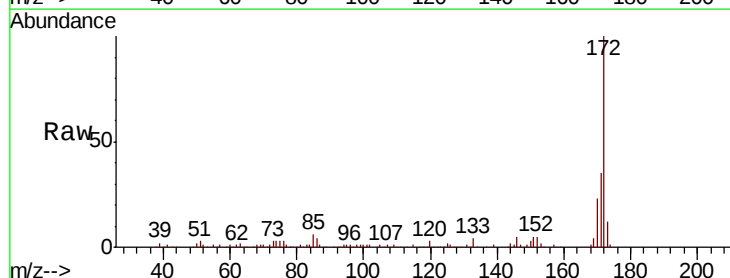
Tgt Ion:172 Resp: 236132

Ion Ratio Lower Upper

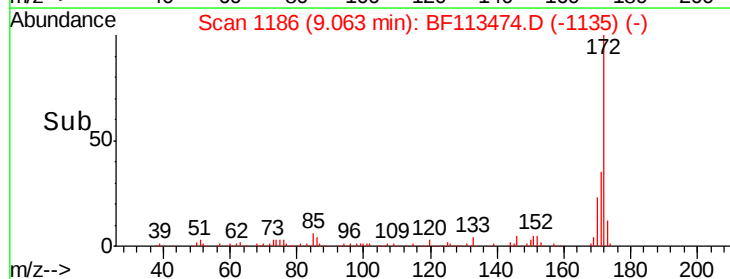
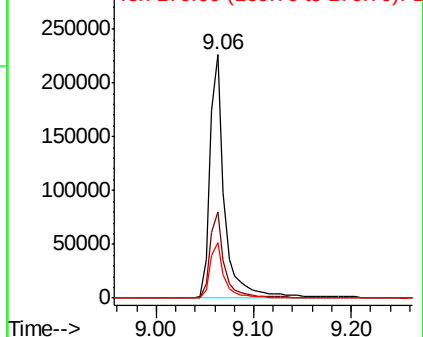
172 100

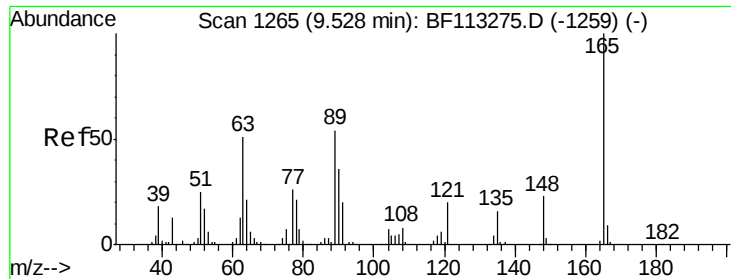
171 35.2 29.0 43.6

170 22.7 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

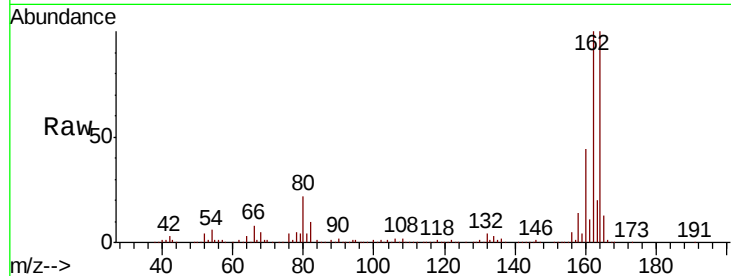




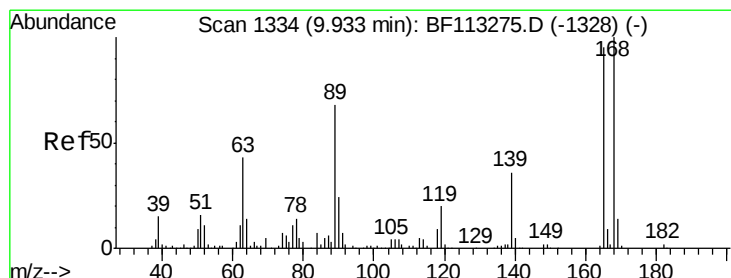
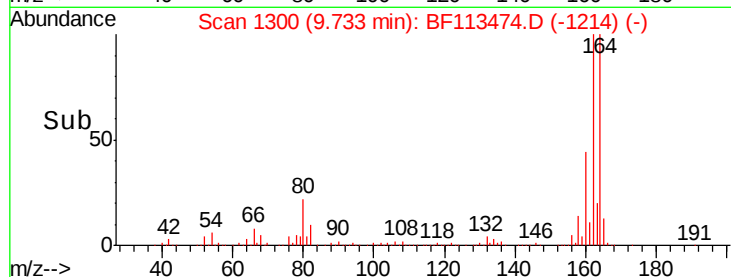
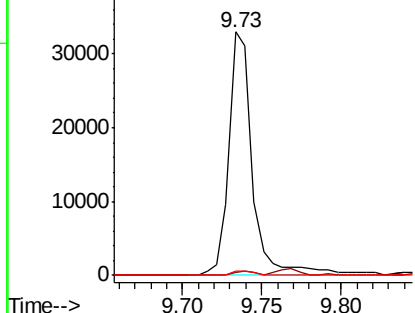
#51
 2,6-Dinitrotoluene
 Concen: 8.218 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.21 min
 Lab File: BF113474.D
 Acq: 1 Apr 2019 18:50

Instrument :
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 FK-0D015-03-001

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.4	65.0#
89	1.7	43.1	64.7#



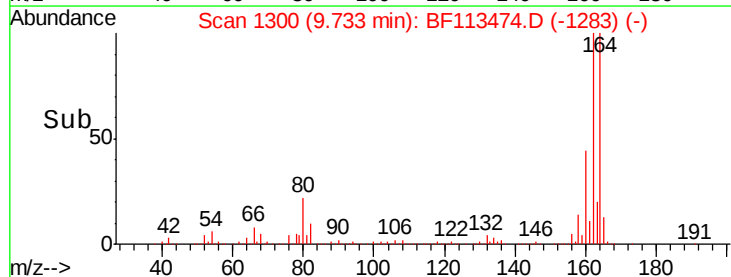
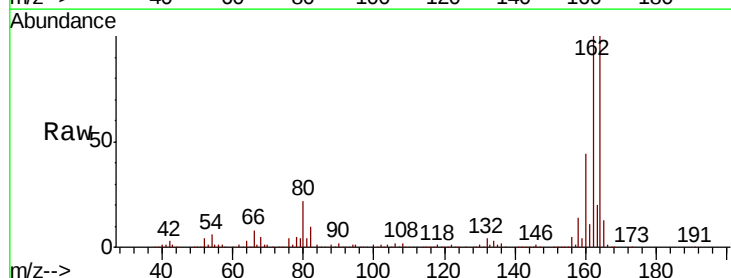
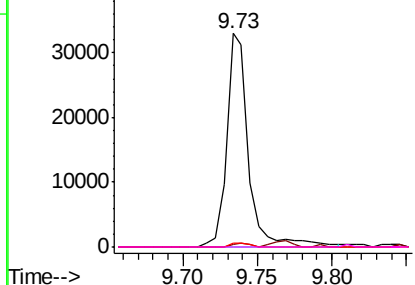
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

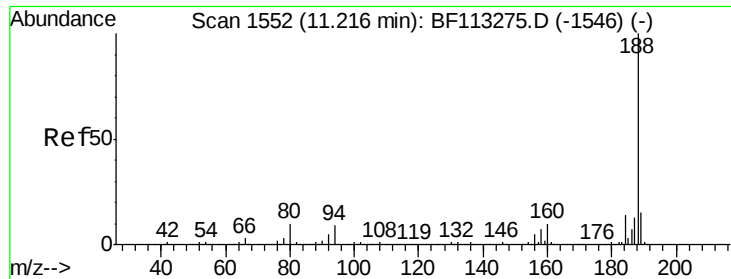


#57
 2,4-Dinitrotoluene
 Concen: 6.486 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113474.D
 Acq: 1 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.5	56.3#
89	1.7	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

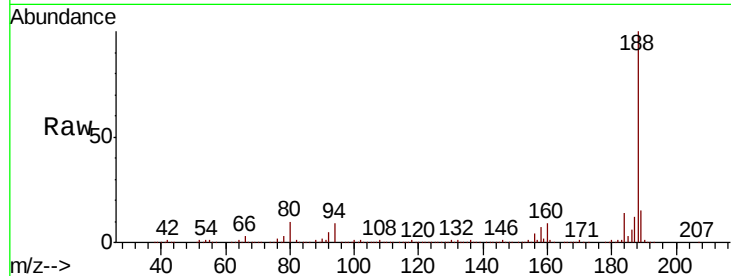




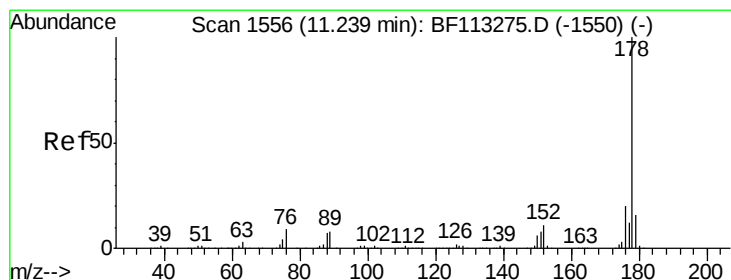
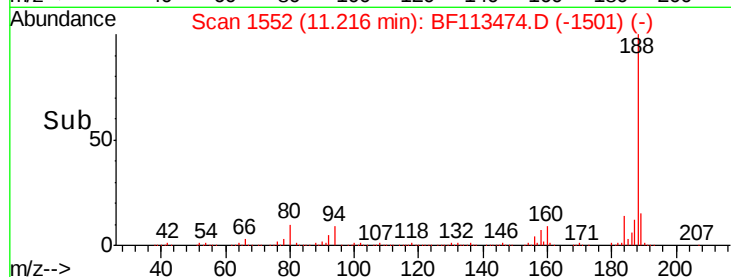
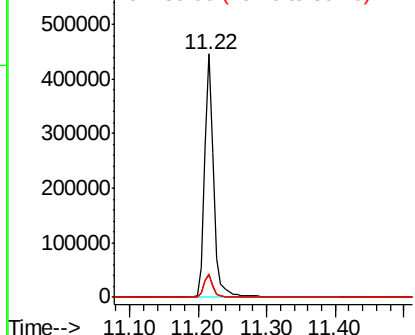
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Instrument :
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FK-0D015-03-001

Tgt Ion:188 Resp: 427488
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.7 7.7 11.5

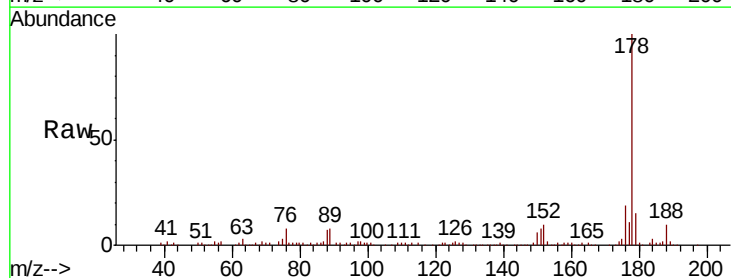


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

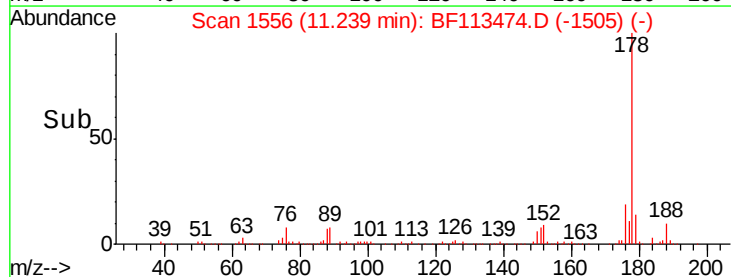
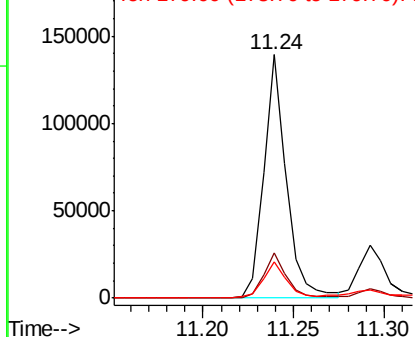


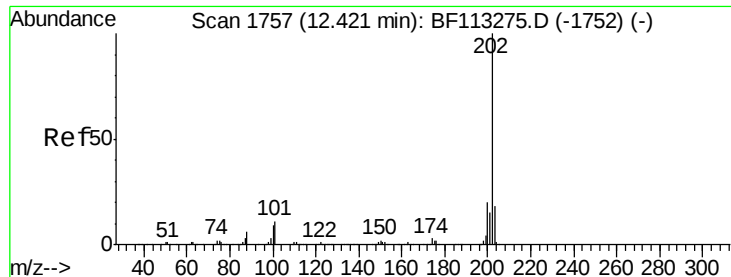
#71
Phenanthrene
Concen: 5.716 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Tgt Ion:178 Resp: 121341
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 14.8 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





#75

Fluoranthene

Concen: 5.942 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113474.D

Acq: 1 Apr 2019 18:50

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-001

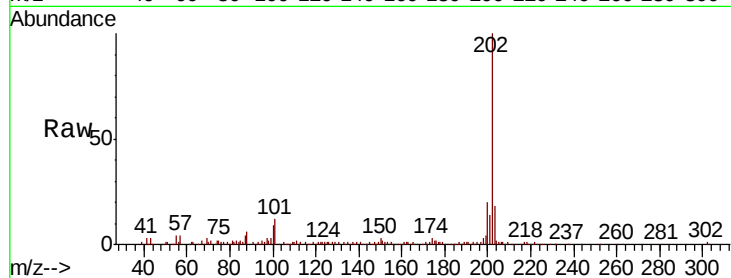
Tgt Ion:202 Resp: 142609

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.4

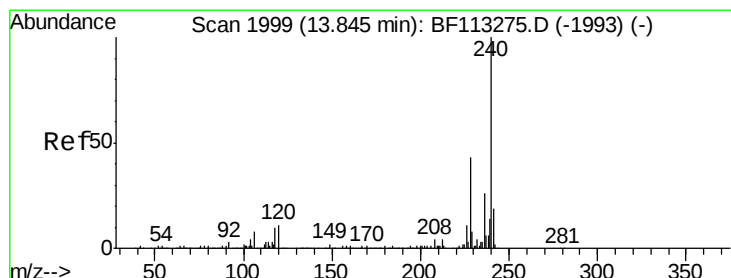
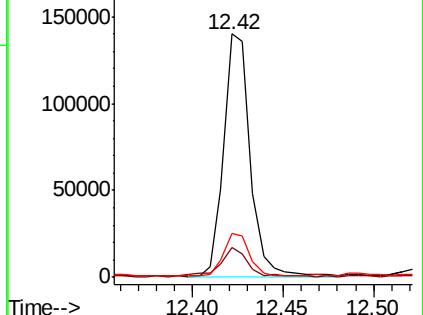
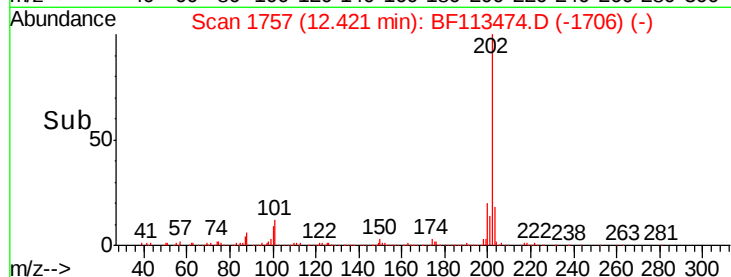
203 18.0 0.0 38.0



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: BF113474.D

Acq: 1 Apr 2019 18:50

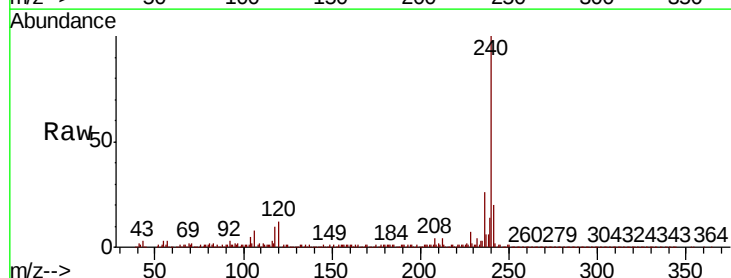
Tgt Ion:240 Resp: 380026

Ion Ratio Lower Upper

240 100

120 11.5 8.8 13.2

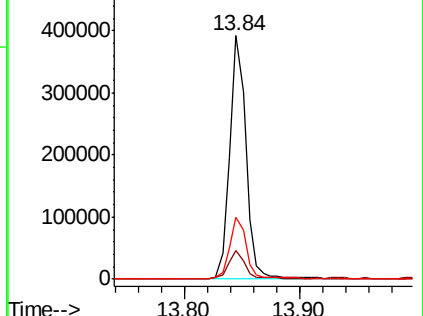
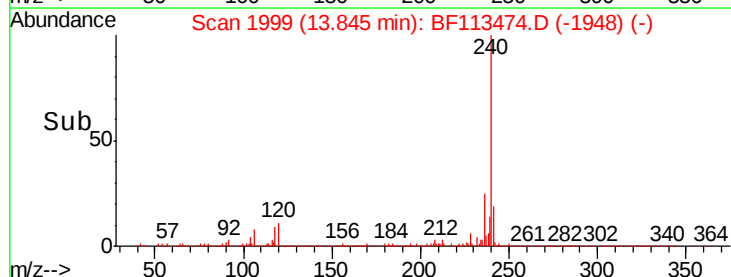
236 25.5 20.9 31.3

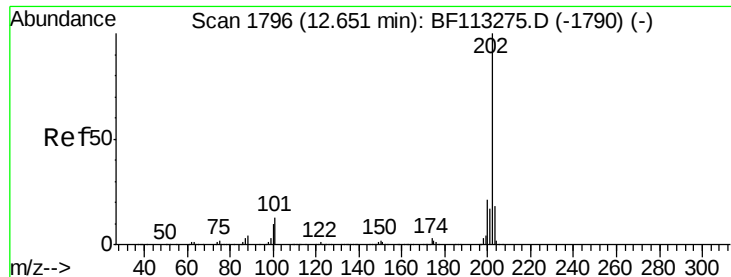


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

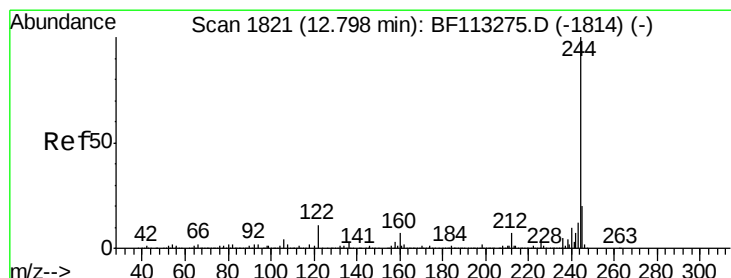
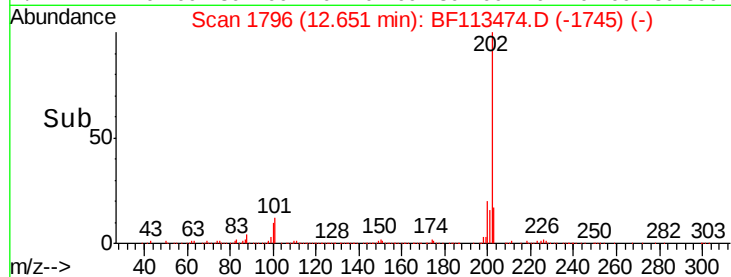
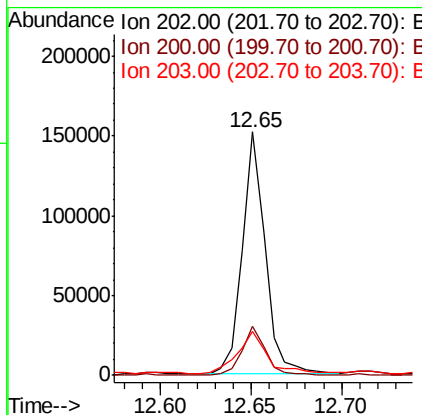
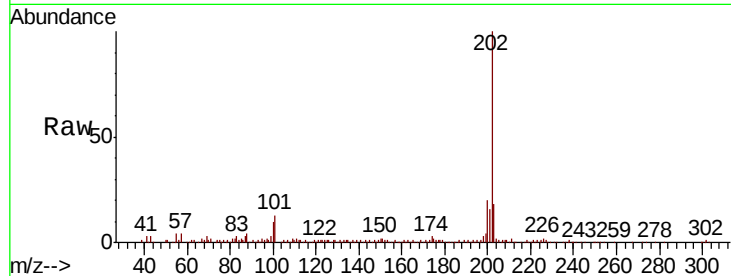




#78
Pyrene
Concen: 5.088 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

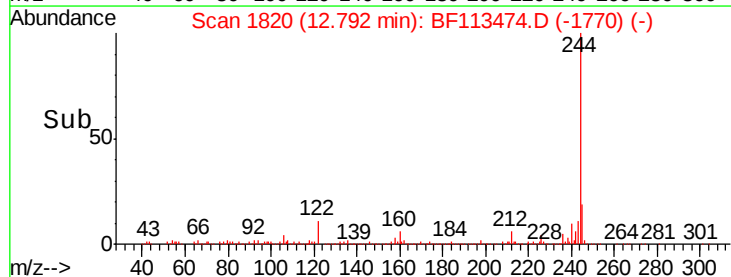
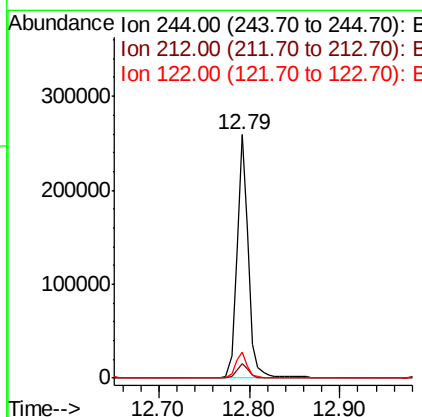
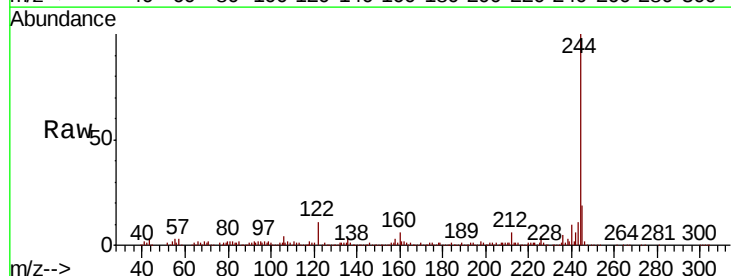
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

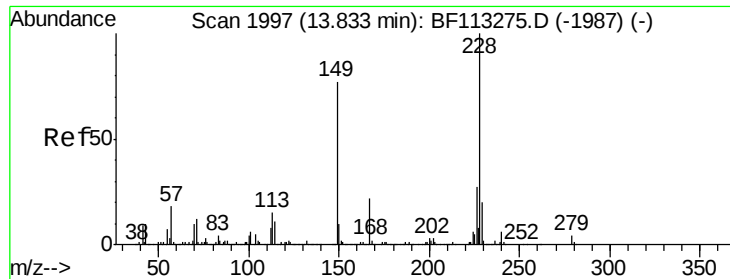
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.8	25.2
203	18.0	14.4	21.6



#79
Terphenyl-d14
Concen: 13.378 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	10.7	8.6	13.0

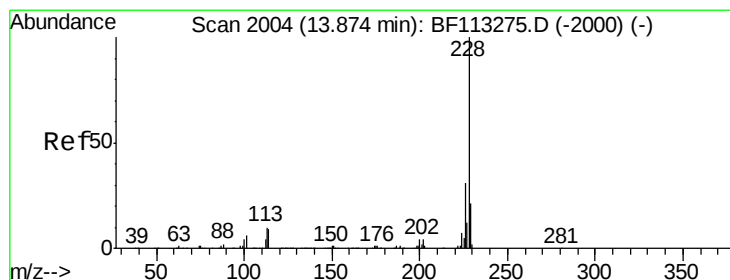
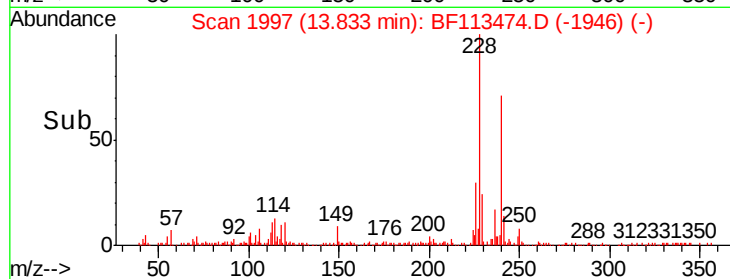
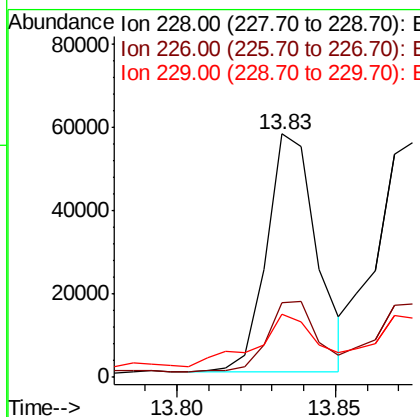
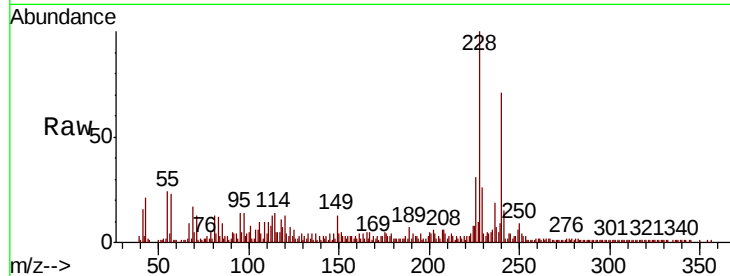




#81
Benzo(a)anthracene
Concen: 2.922 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

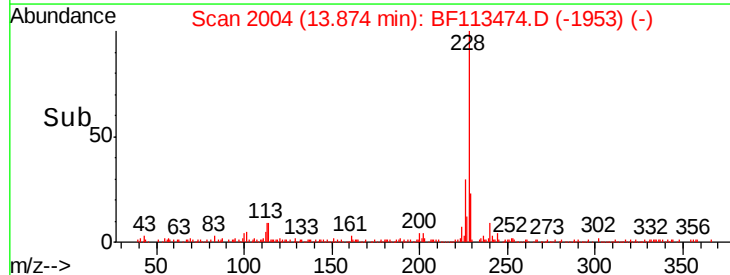
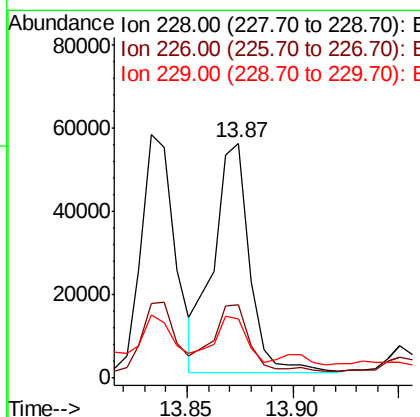
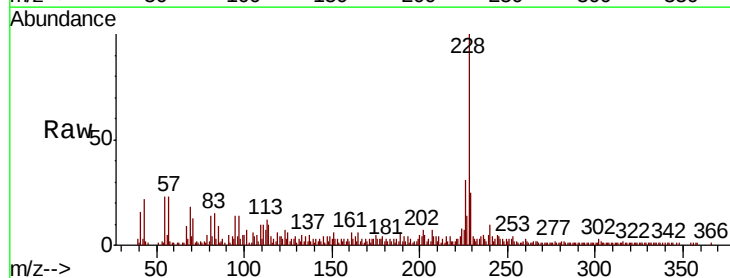
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

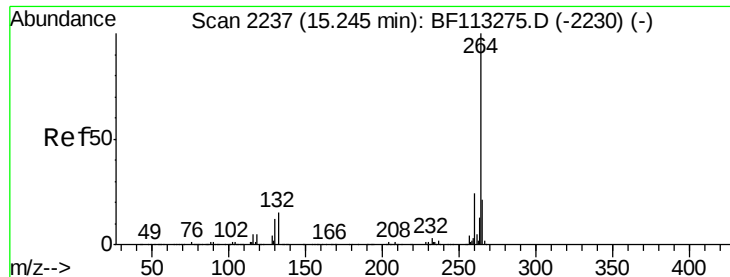
Tgt Ion:228 Resp: 63572
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.8
229 25.8 16.2 24.4#



#83
Chrysene
Concen: 2.974 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Tgt Ion:228 Resp: 65720
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 25.2 16.3 24.5#

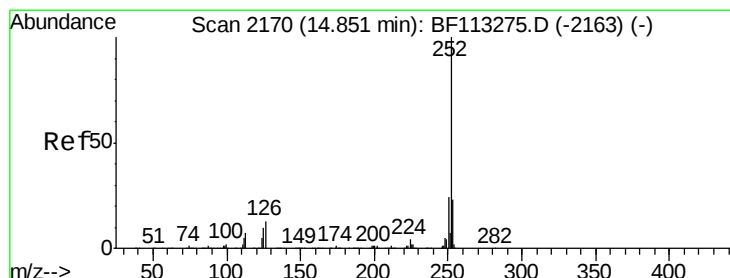
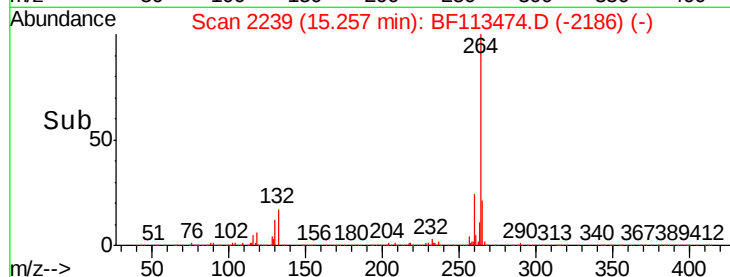
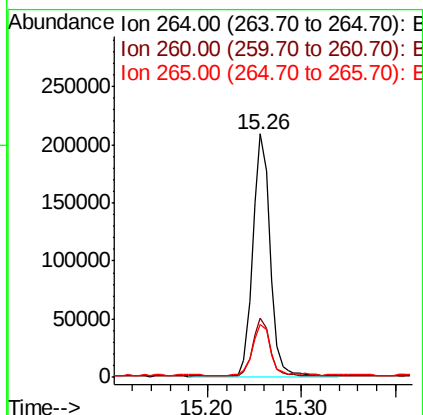
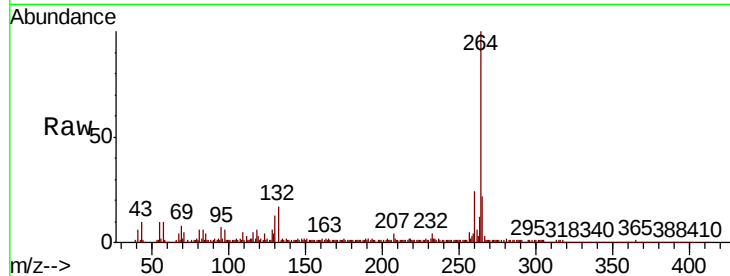




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

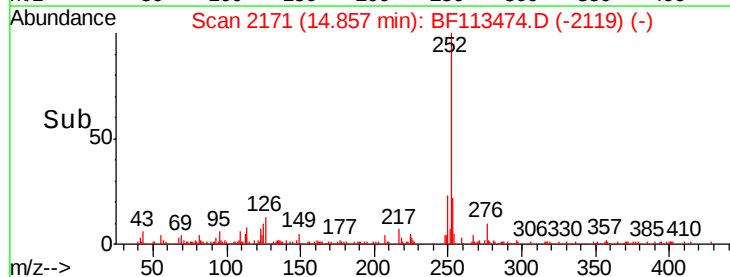
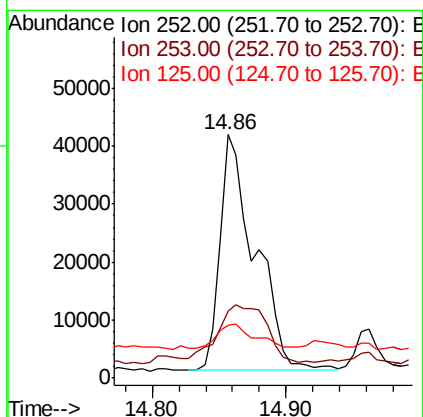
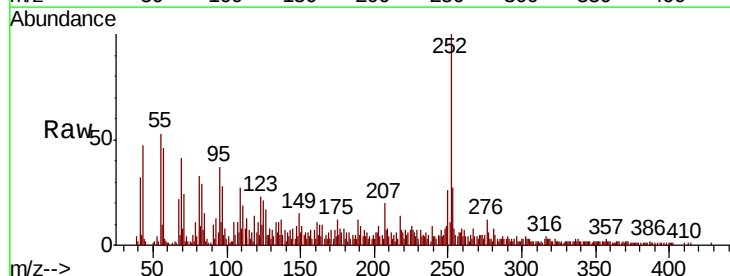
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

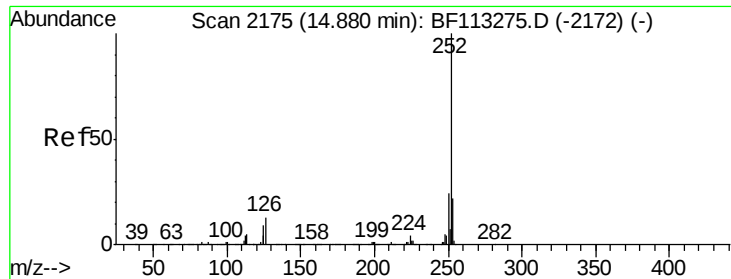
Tgt Ion:	264	Resp:	265361
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	21.6	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 4.556 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Tgt Ion:	252	Resp:	75094
Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.0	27.0#
125	21.5	7.6	11.4#

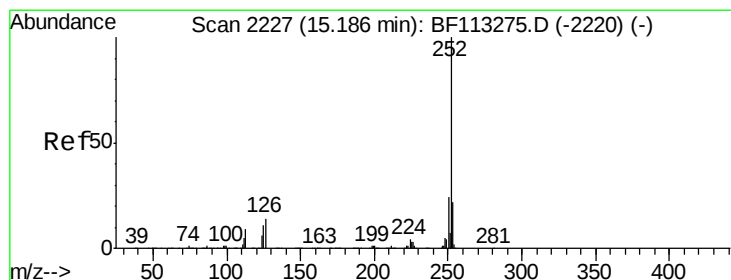
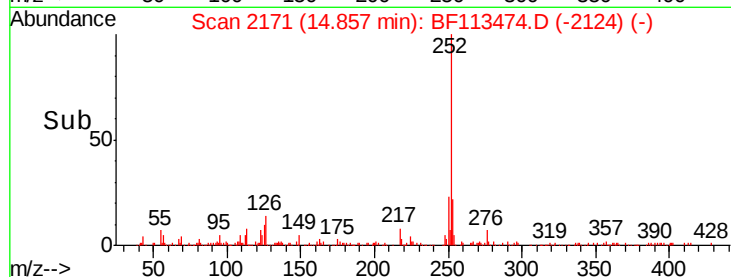
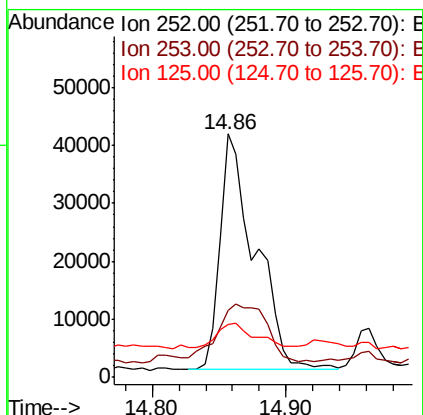
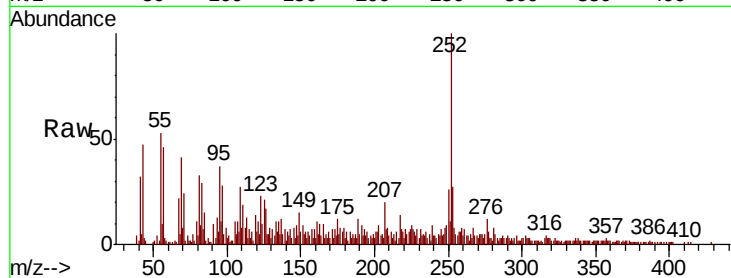




#89
Benzo(k)fluoranthene
Concen: 5.187 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

Tgt Ion:252 Resp: 75094
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 21.5 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.506 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113474.D
Acq: 1 Apr 2019 18:50

Tgt Ion:252 Resp: 36616
Ion Ratio Lower Upper
252 100
253 31.0 17.9 26.9#
125 28.5 8.8 13.2#

