

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032419\
 Data File : BF113271.D
 Acq On : 24 Mar 2019 16:45
 Operator : JU/SJ
 Sample : K2078-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-B

Quant Time: Mar 25 04:21:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171160	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	653459	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	295010	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	510580	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	417333	20.00	ng	-0.01
87) Perylene-d12	15.27	264	341997	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	98295	8.93	ng	-0.02
7) Phenol-d6	6.36	99	478594	34.63	ng	-0.02
23) Nitrobenzene-d5	7.27	82	374663	34.31	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	22431	7.16	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	703656	33.45	ng	-0.02
79) Terphenyl-d14	12.80	244	578897	26.89	ng	-0.02

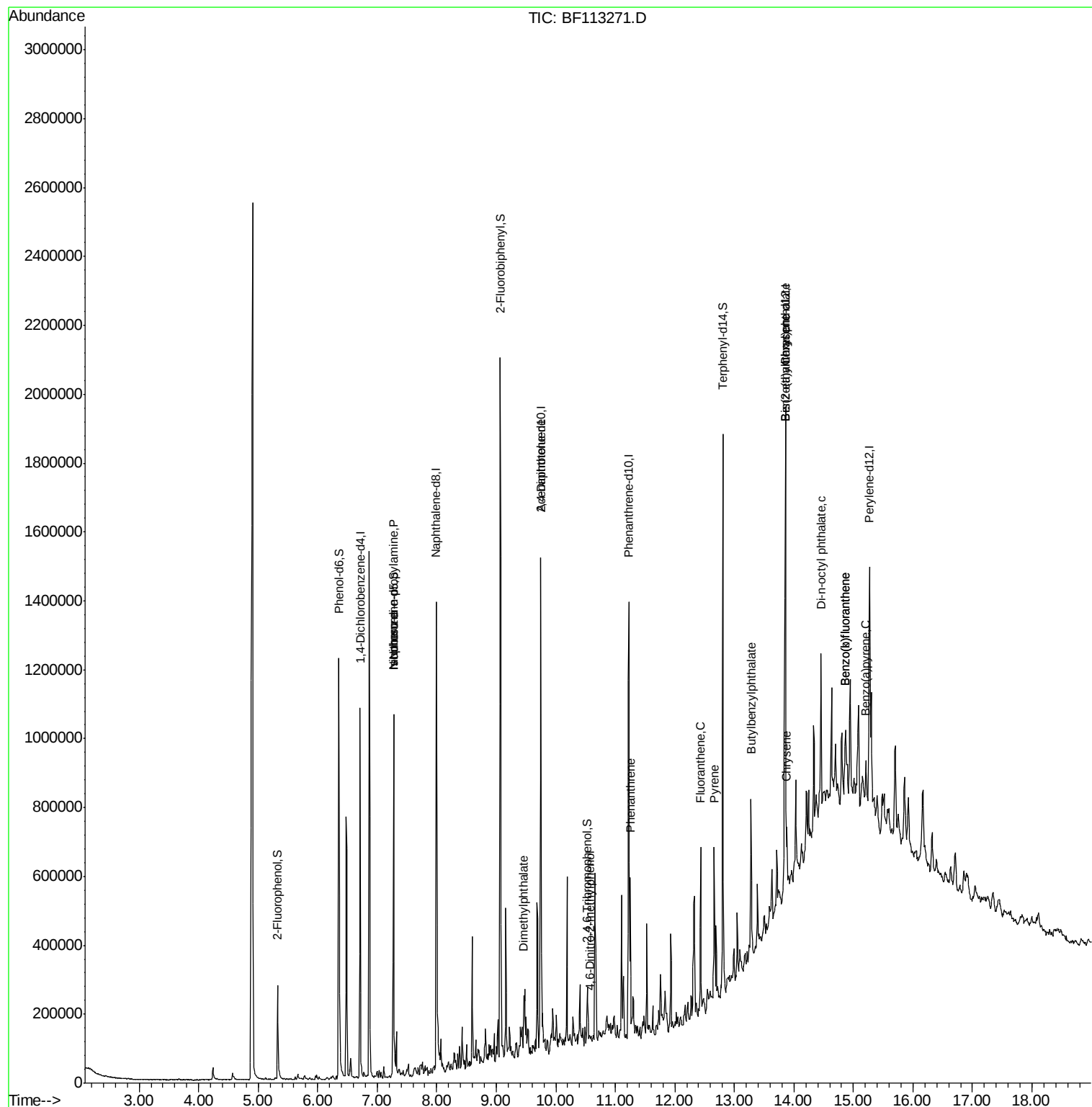
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	49129	5.612	ng	# 76
25) Isophorone	7.27	82	370839	15.763	ng	# 66
50) Dimethylphthalate	9.46	163	55132	2.534	ng	# 99
57) 2,4-Dinitrotoluene	9.75	165	41379	7.349	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.57	198	553	4.851	ng	# 1
71) Phenanthrene	11.25	178	182802	7.196	ng	98
75) Fluoranthene	12.43	202	204311	7.507	ng	96
78) Pyrene	12.66	202	189872	5.397	ng	98
80) Butylbenzylphthalate	13.28	149	104587	6.735	ng	93
81) Benzo(a)anthracene	13.84	228	87509	3.025	ng	97
83) Chrysene	13.88	228	81368	2.872	ng	96
84) Bis(2-ethylhexyl)phthalate	13.84	149	225441	12.376	ng	# 89
85) Di-n-octyl phthalate	14.46	149	225562	7.211	ng	# 93
88) Benzo(b)fluoranthene	14.87	252	110907	5.014	ng	# 85
89) Benzo(k)fluoranthene	14.87	252	110907	5.535	ng	# 85
90) Benzo(a)pyrene	15.21	252	55614	2.842	ng	# 82

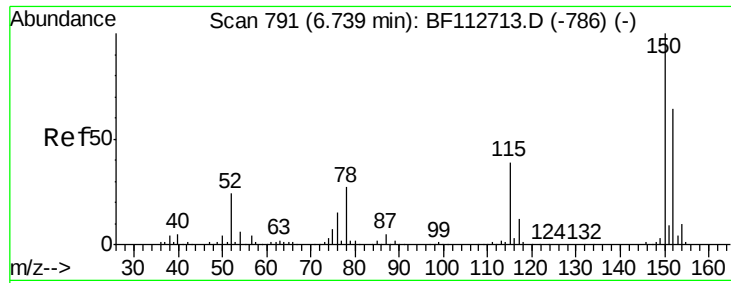
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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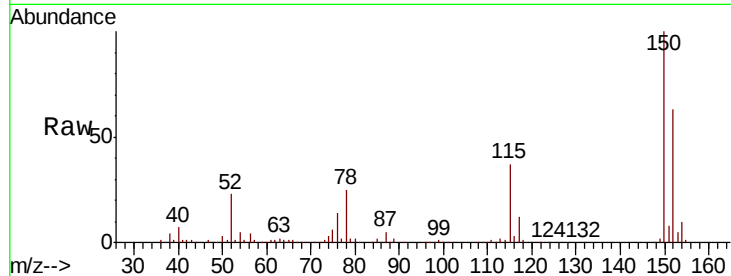




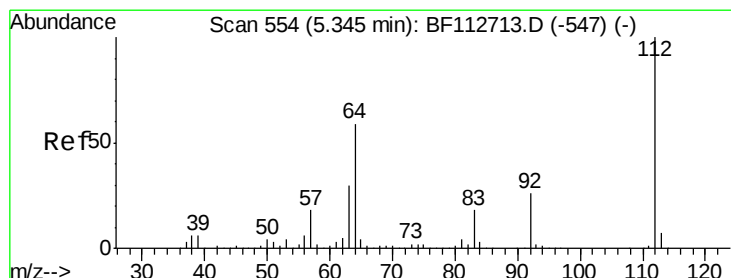
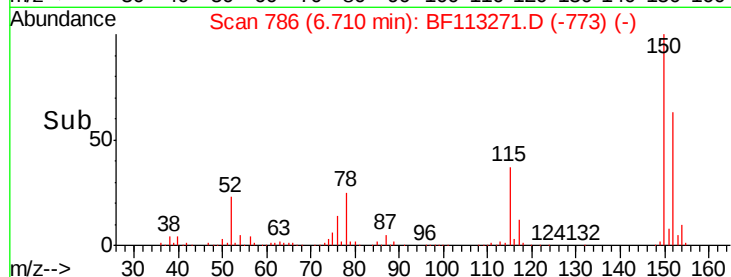
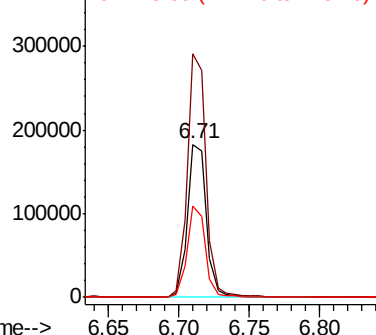
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF113271.D
 Acq: 24 Mar 2019 16:45

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-B

Tgt Ion:152 Resp: 171160
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.2 186.2
 115 59.4 48.2 72.4

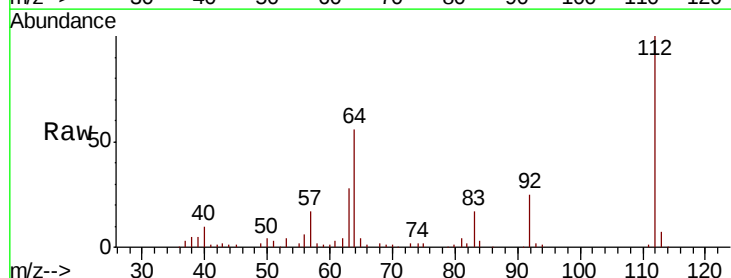


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

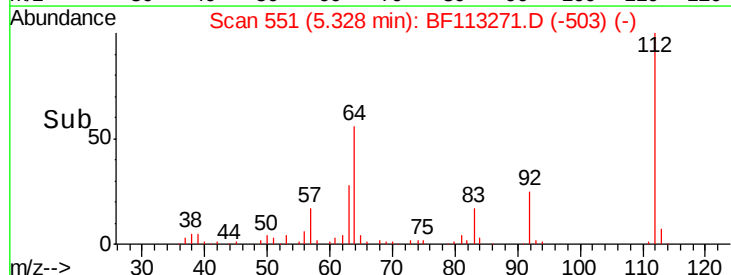
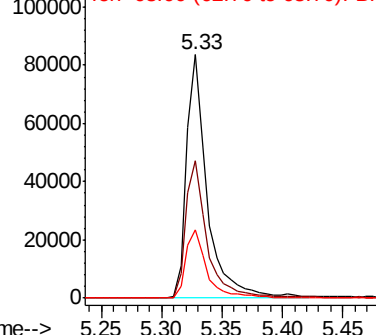


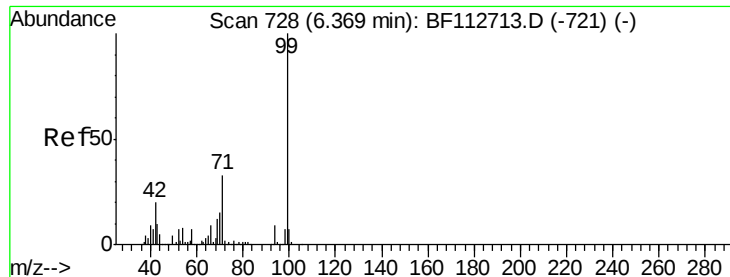
#5
 2-Fluorophenol
 Concen: 8.933 ng
 RT: 5.33 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF113271.D
 Acq: 24 Mar 2019 16:45

Tgt Ion:112 Resp: 98295
 Ion Ratio Lower Upper
 112 100
 64 56.3 47.6 71.4
 63 28.2 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: 34.626 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-B

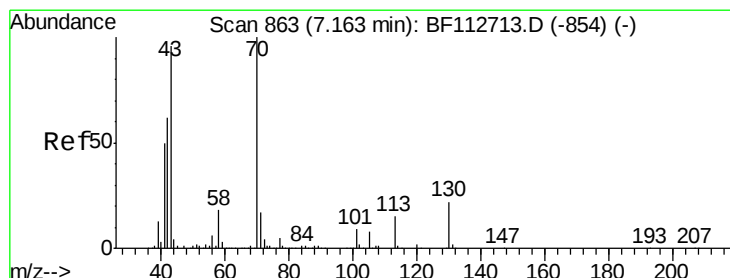
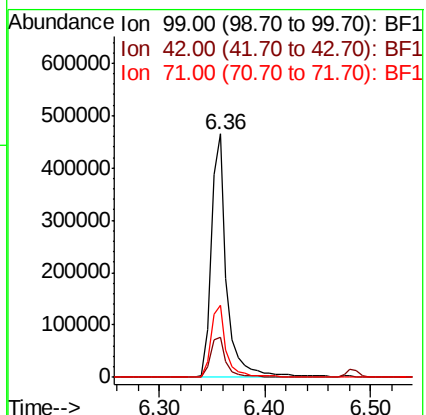
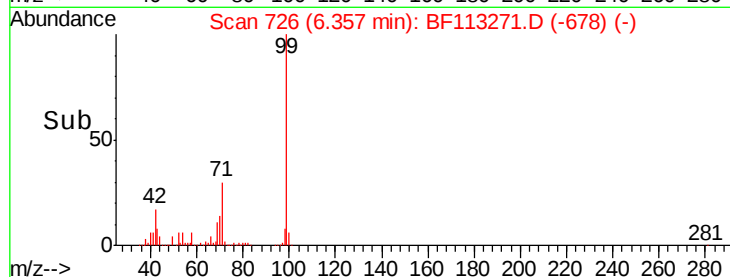
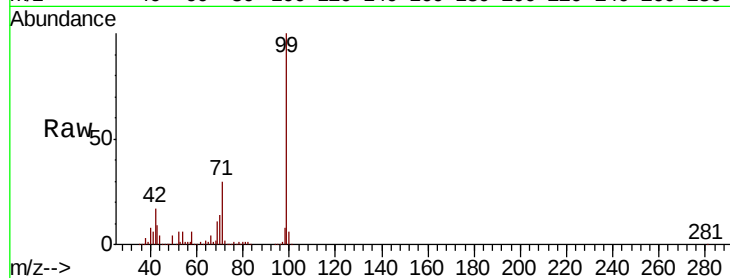
Tgt Ion: 99 Resp: 478594

Ion Ratio Lower Upper

99 100

42 16.6 16.3 24.5

71 29.7 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.612 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

Tgt Ion: 70 Resp: 49129

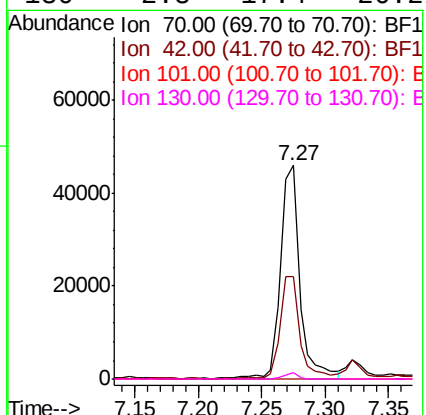
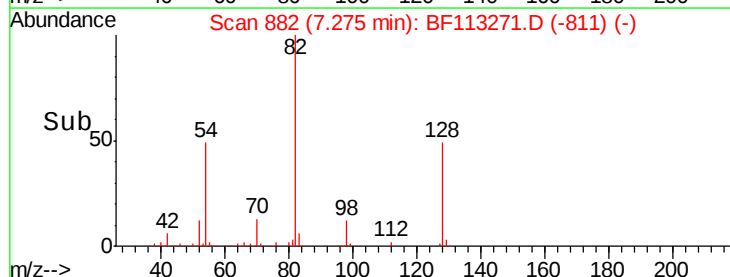
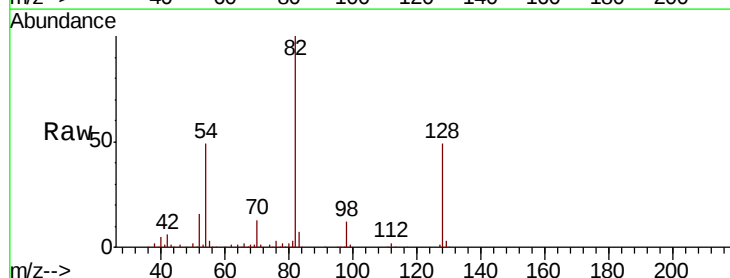
Ion Ratio Lower Upper

70 100

42 47.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.8 17.4 26.2#

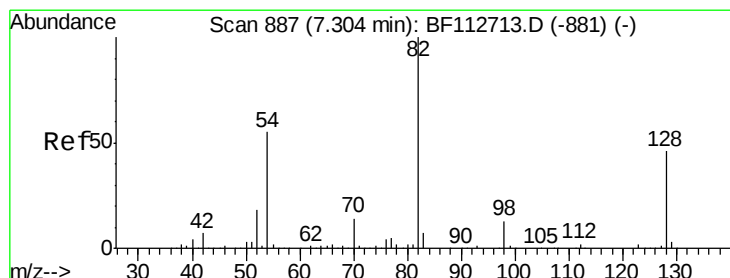
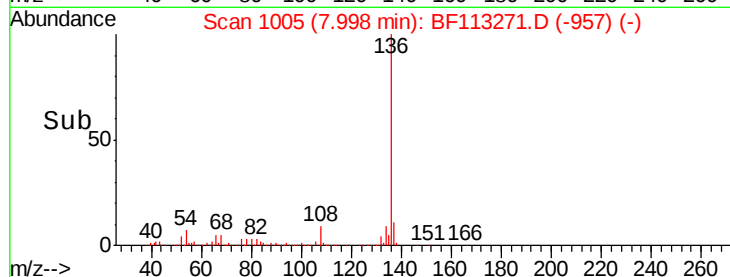
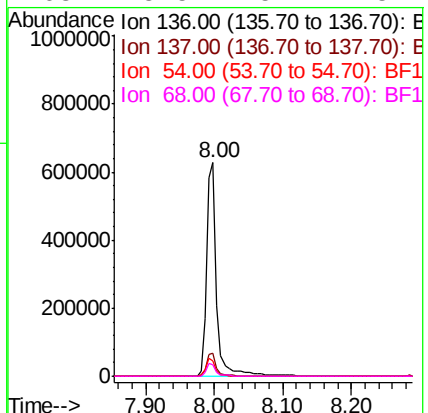
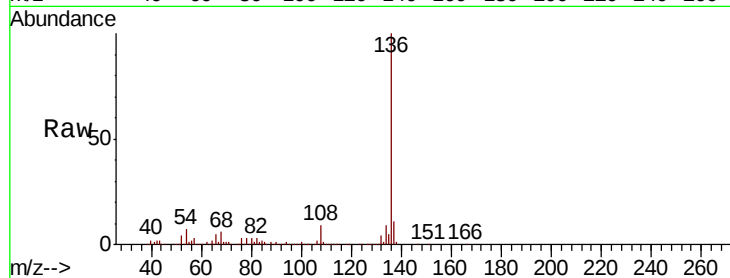




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

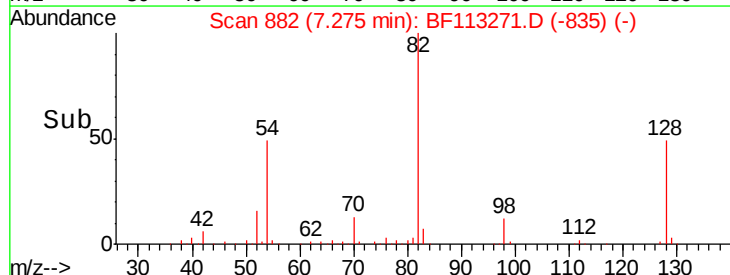
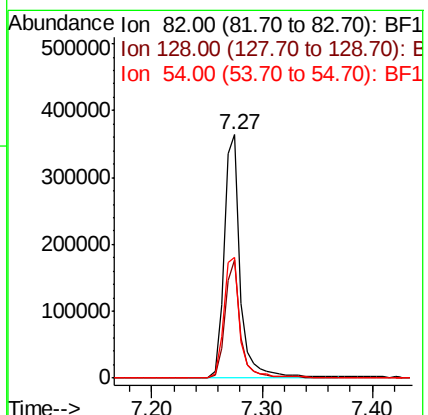
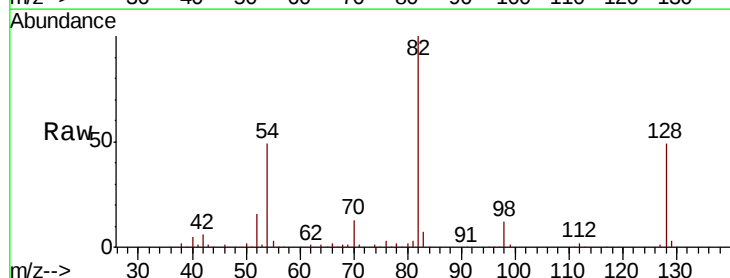
Instrument :
BNA_F
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FK-SF-01-005-B

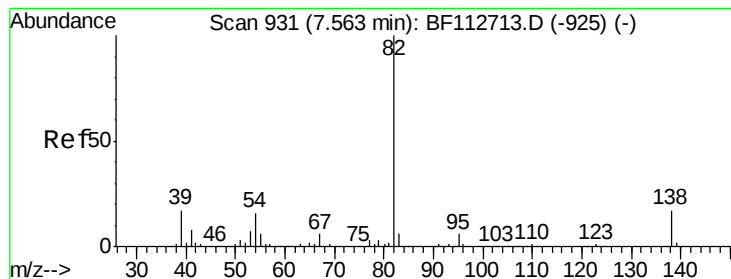
Tgt Ion:	136	Resp:	653459
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	7.3	10.9
68	5.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 34.308 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:	82	Resp:	374663
Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.3	54.5
54	49.4	43.7	65.5





#25

Isophorone

Concen: 15.763 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-B

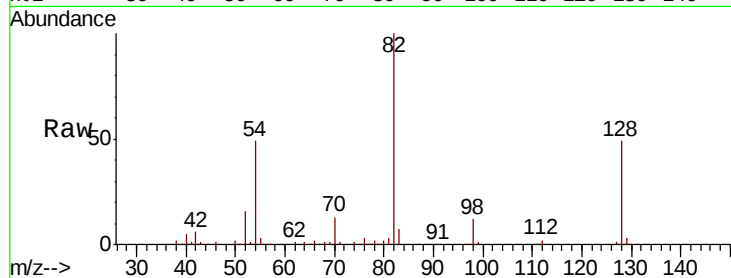
Tgt Ion: 82 Resp: 370839

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

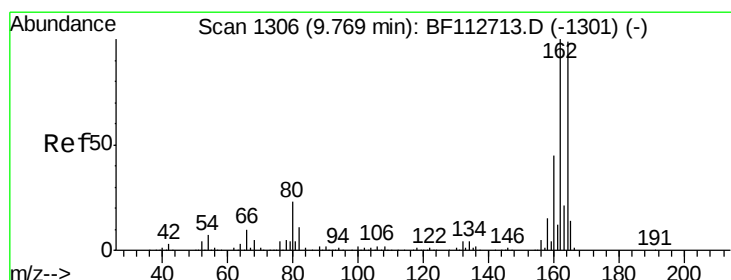
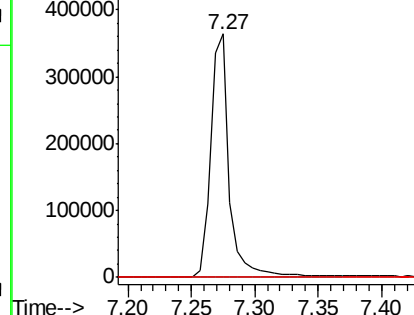
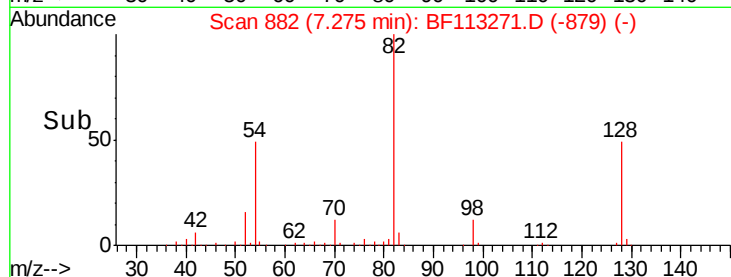
138 0.0 13.8 20.8#



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: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

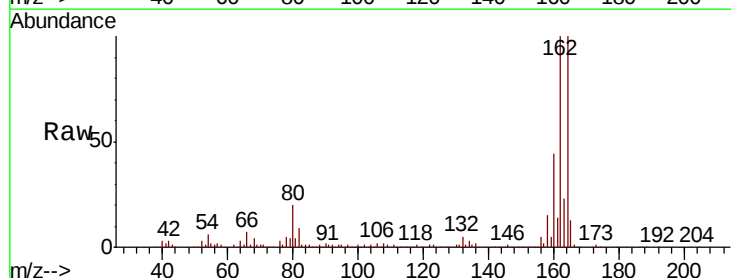
Tgt Ion: 164 Resp: 295010

Ion Ratio Lower Upper

164 100

162 100.5 80.6 120.8

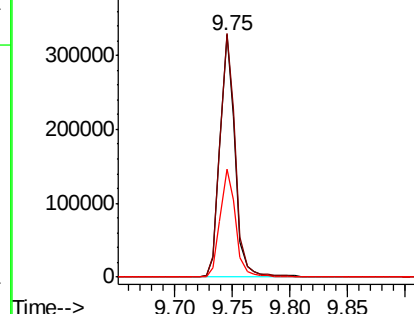
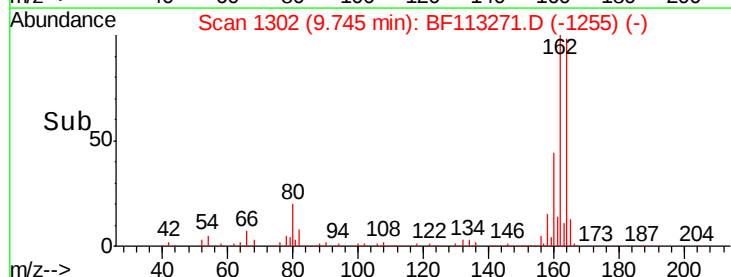
160 44.3 36.0 54.0

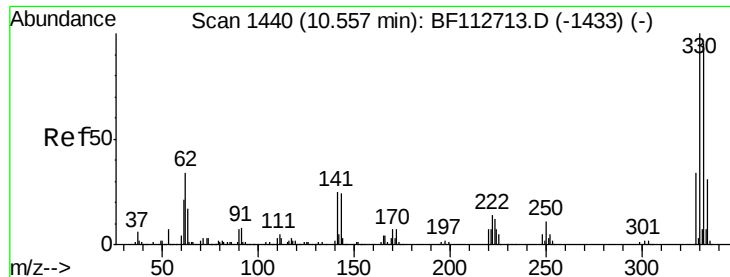


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 7.162 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

Instrument :

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ClientSampleId :

FK-SF-01-005-B

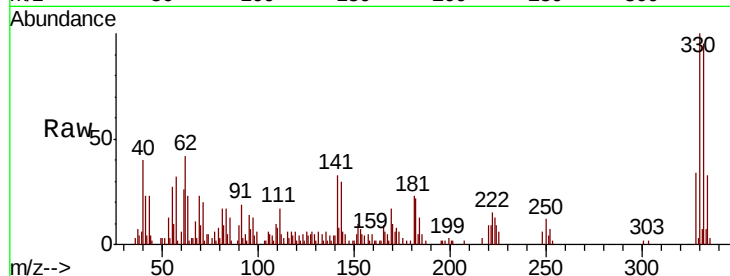
Tgt Ion:330 Resp: 22431

Ion Ratio Lower Upper

330 100

332 94.5 76.2 114.4

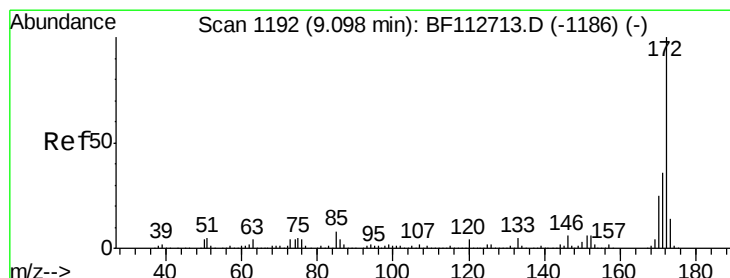
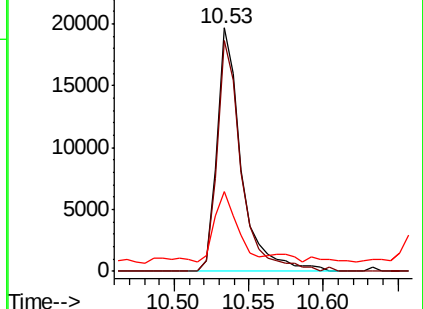
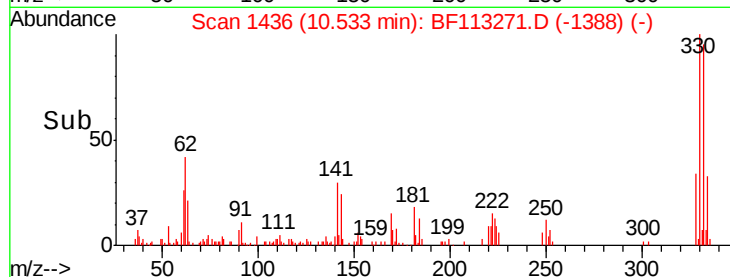
141 26.4 27.0 40.6#



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: 33.450 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

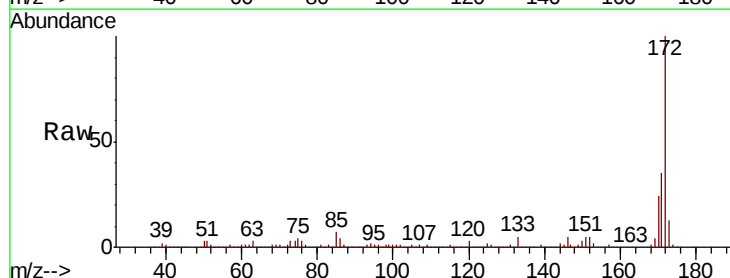
Tgt Ion:172 Resp: 703656

Ion Ratio Lower Upper

172 100

171 35.0 29.0 43.4

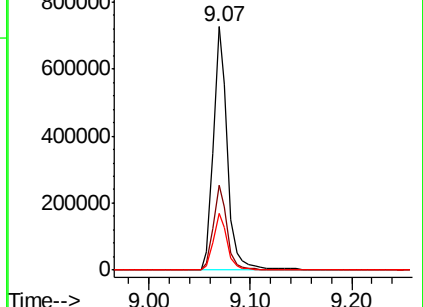
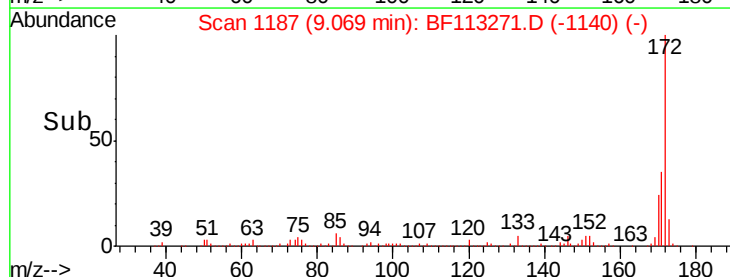
170 23.5 20.0 30.0



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

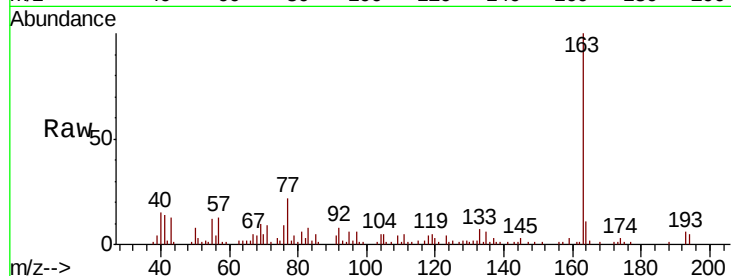




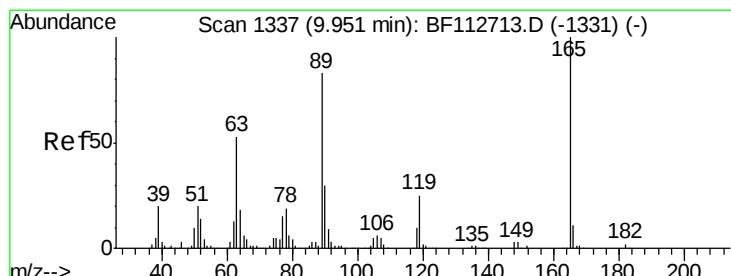
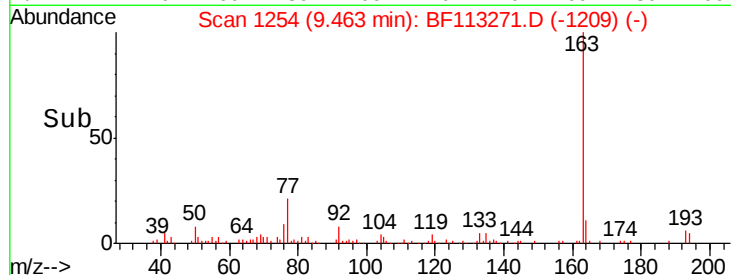
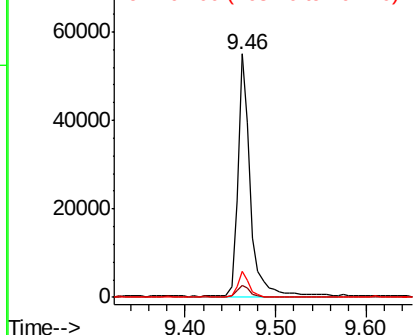
#50
Dimethylphthalate
Concen: 2.534 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

Tgt Ion:163 Resp: 55132
Ion Ratio Lower Upper
163 100
194 4.8 3.0 4.4#
164 10.8 8.4 12.6

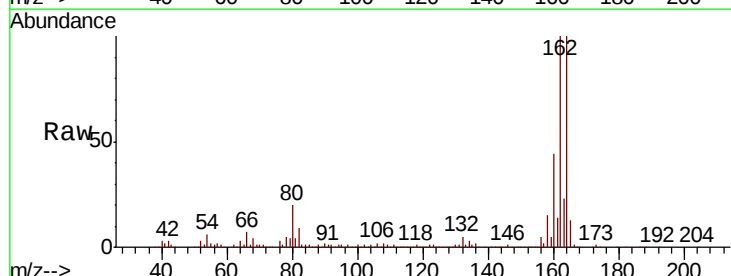


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

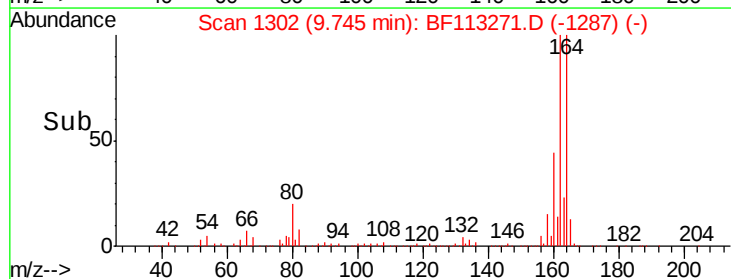
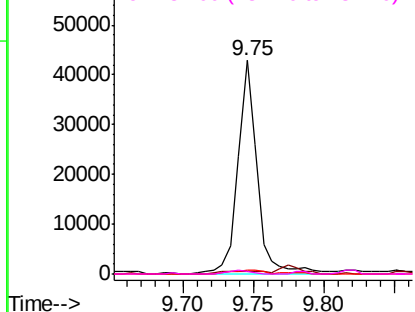


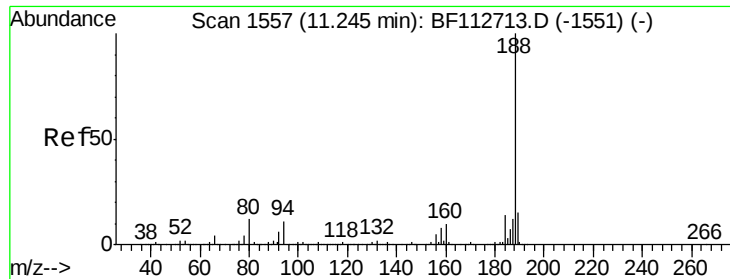
#57
2,4-Dinitrotoluene
Concen: 7.349 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:165 Resp: 41379
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 1.9 66.2 99.4#
182 1.5 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

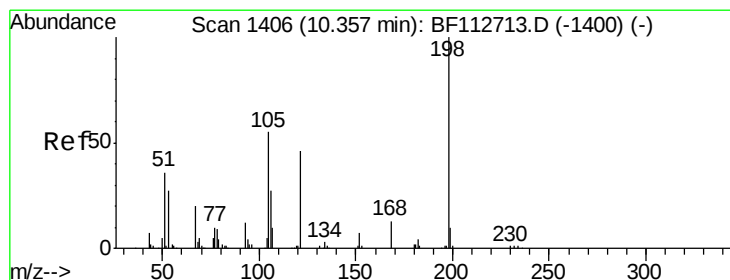
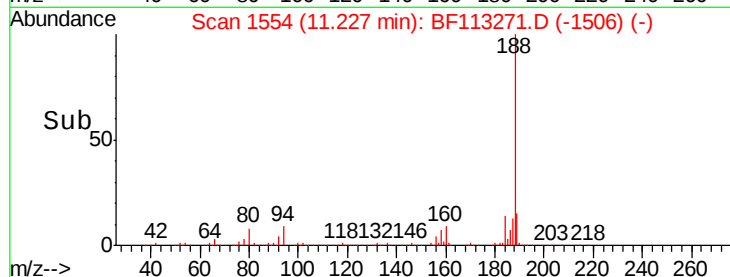
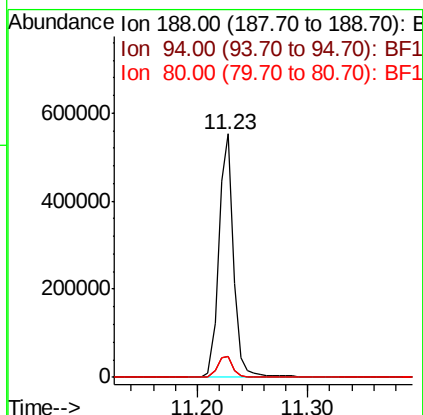
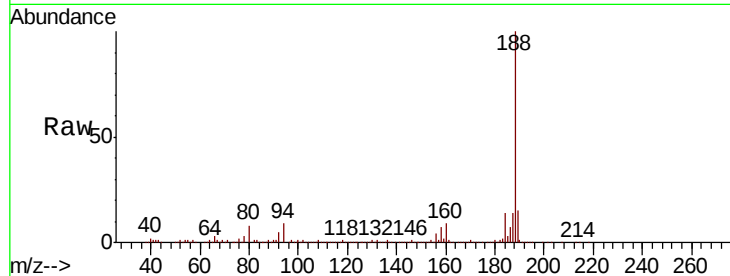




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

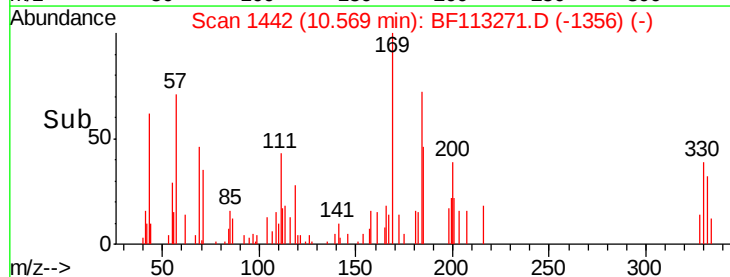
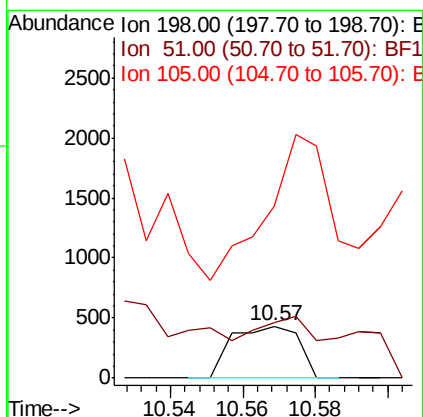
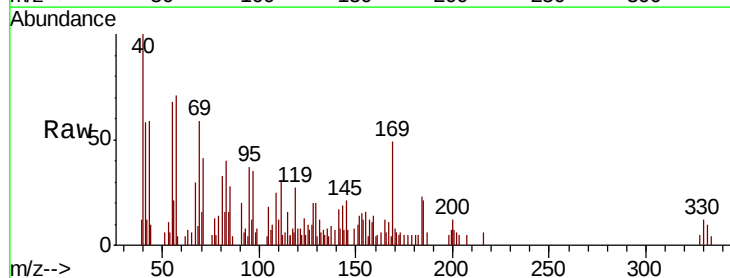
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

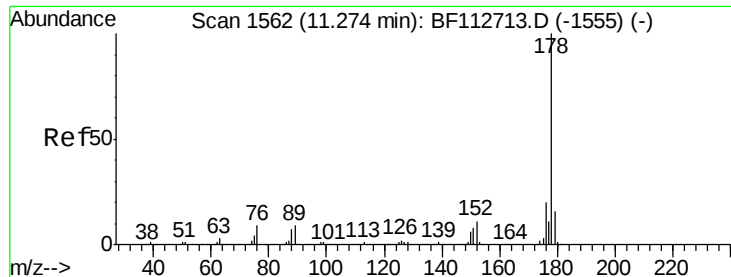
Tgt Ion:188 Resp: 510580
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 8.5 9.2 13.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.851 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.21 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:198 Resp: 553
Ion Ratio Lower Upper
198 100
51 106.0 43.8 83.8#
105 328.8 36.5 76.5#

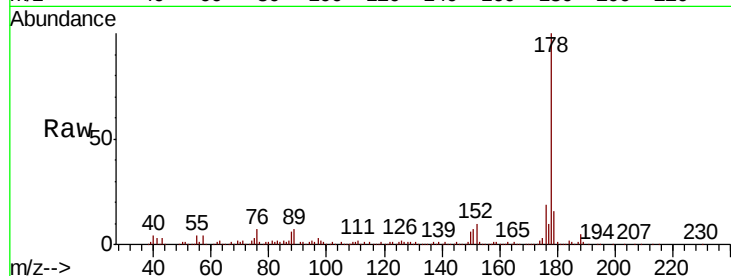




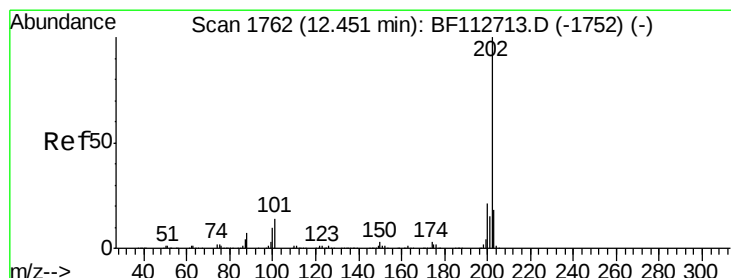
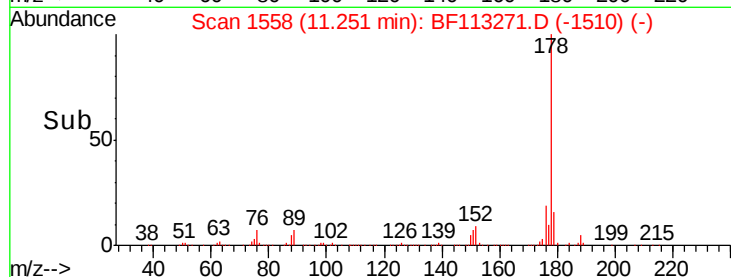
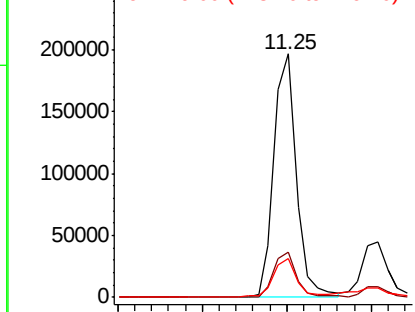
#71
Phenanthrene
Concen: 7.196 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

Tgt Ion:178 Resp: 182802
Ion Ratio Lower Upper
178 100
176 18.8 16.3 24.5
179 15.9 12.7 19.1

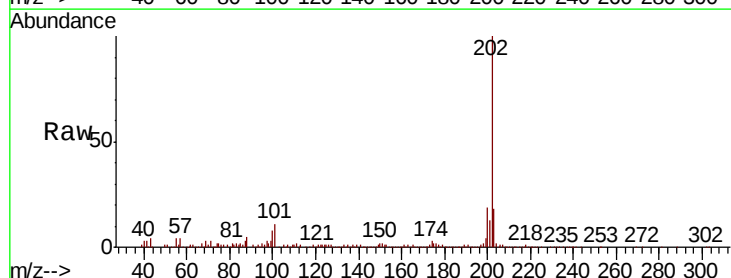


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

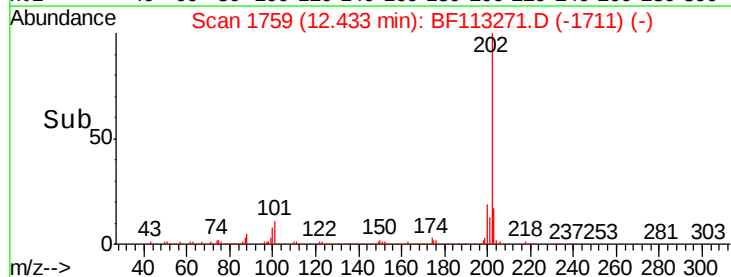
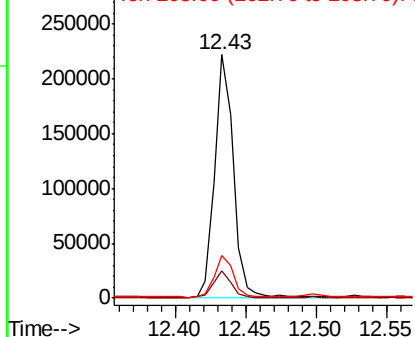


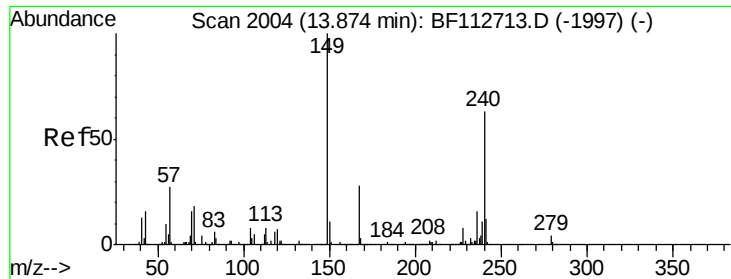
#75
Fluoranthene
Concen: 7.507 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.02 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:202 Resp: 204311
Ion Ratio Lower Upper
202 100
101 11.2 0.0 33.8
203 17.7 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

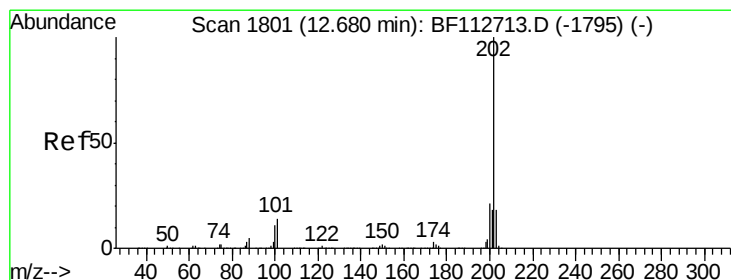
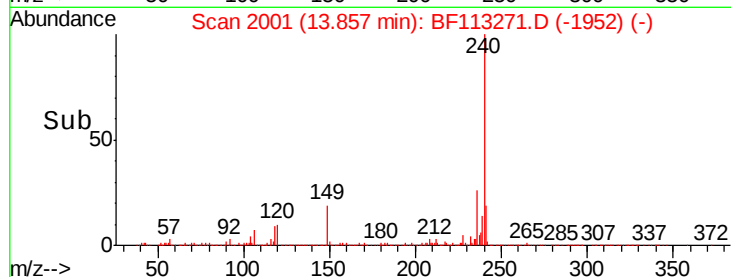
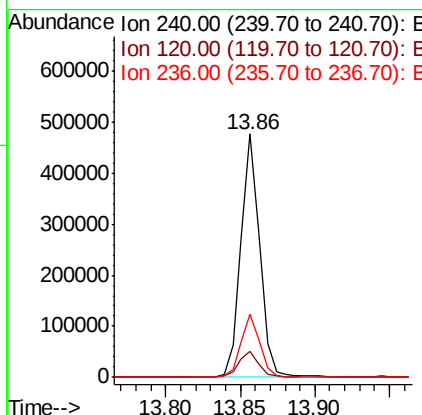
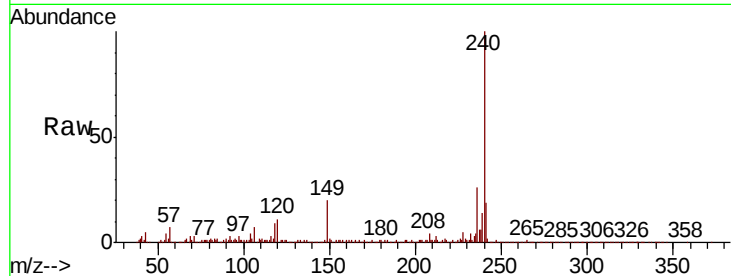




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

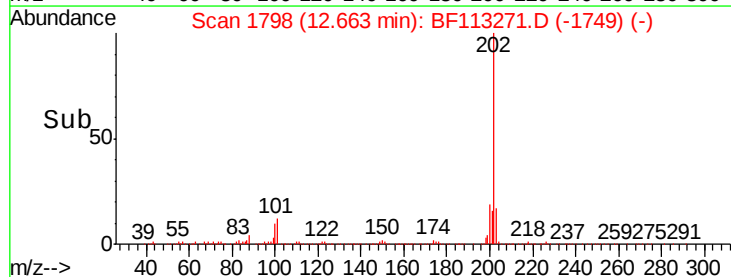
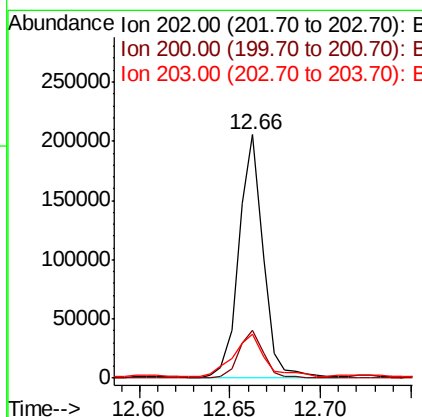
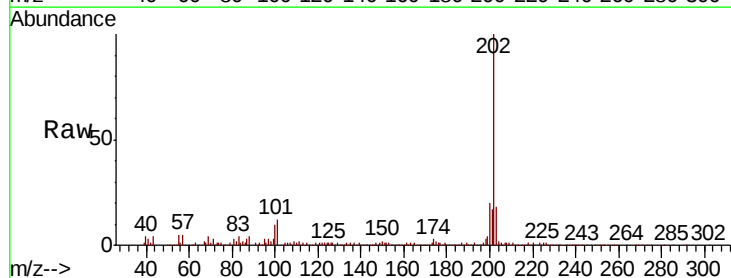
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

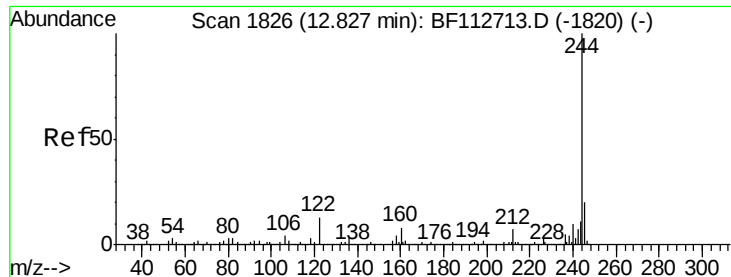
Tgt Ion:240 Resp: 417333
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.8 20.7 31.1



#78
Pyrene
Concen: 5.397 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:202 Resp: 189872
Ion Ratio Lower Upper
202 100
200 19.5 17.0 25.4
203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 26.890 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-B

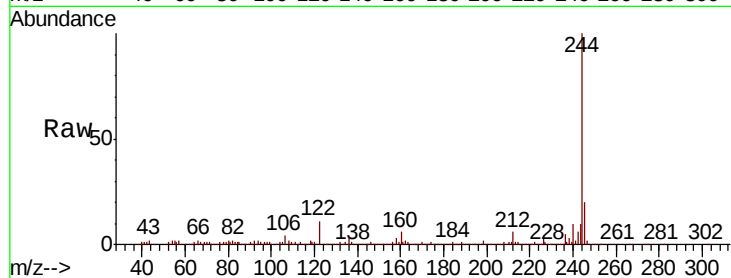
Tgt Ion:244 Resp: 578897

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

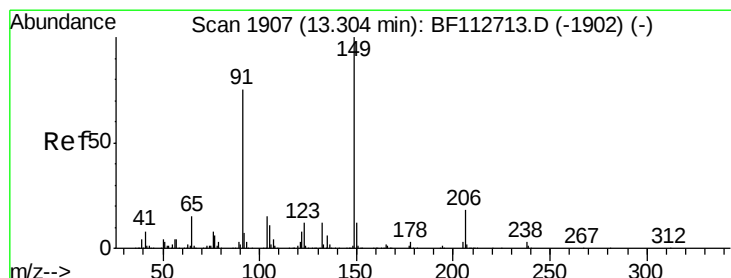
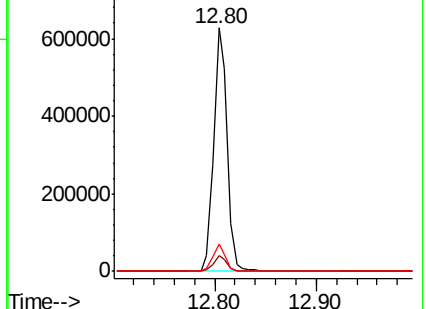
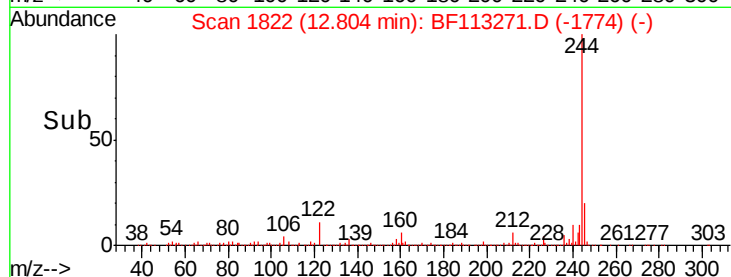
122 11.4 10.5 15.7



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



#80

Butylbenzylphthalate

Concen: 6.735 ng

RT: 13.28 min Scan# 1903

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

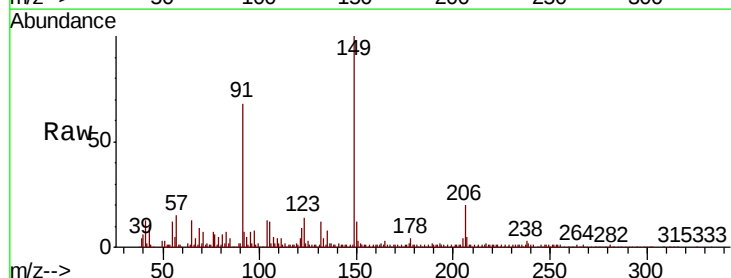
Tgt Ion:149 Resp: 104587

Ion Ratio Lower Upper

149 100

91 68.1 59.9 89.9

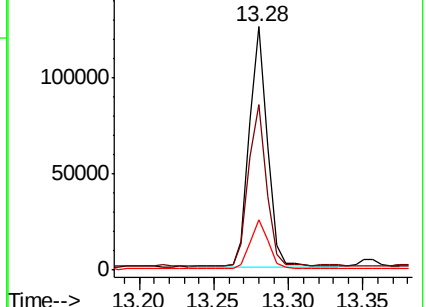
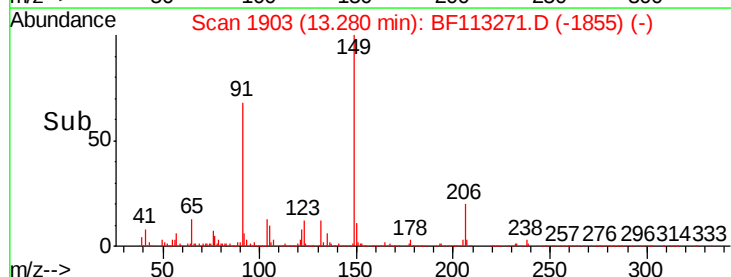
206 20.5 14.7 22.1

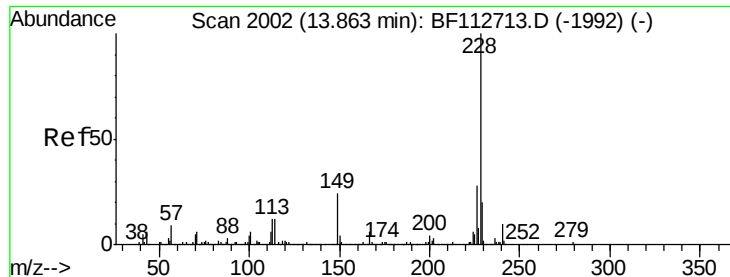


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.025 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-B

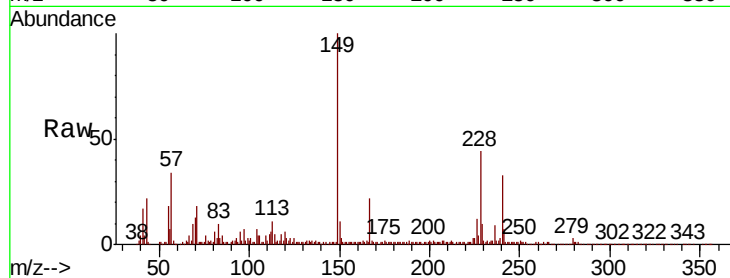
Tgt Ion:228 Resp: 87509

Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.4

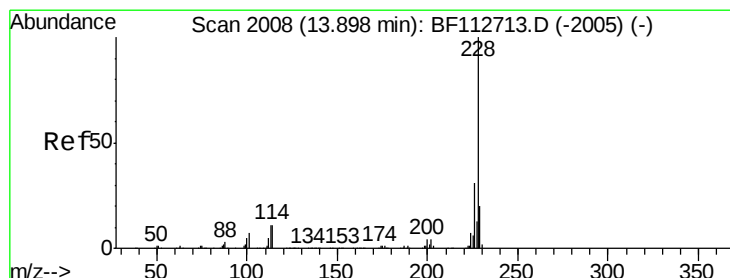
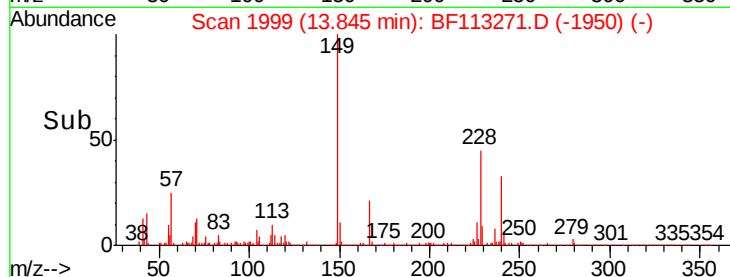
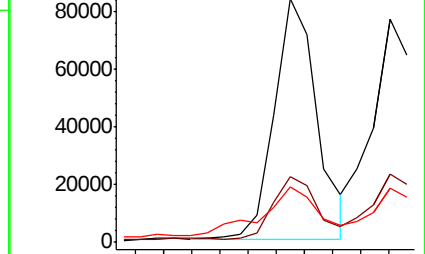
229 22.9 16.0 24.0



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: 2.872 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF113271.D

Acq: 24 Mar 2019 16:45

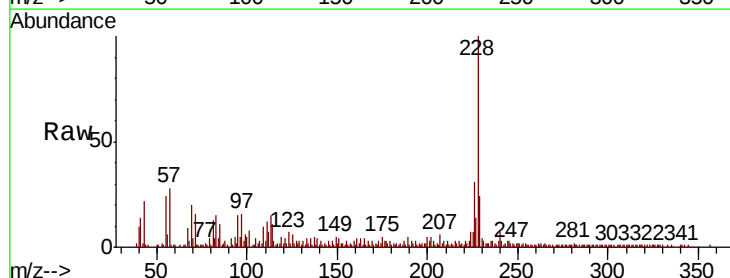
Tgt Ion:228 Resp: 81368

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

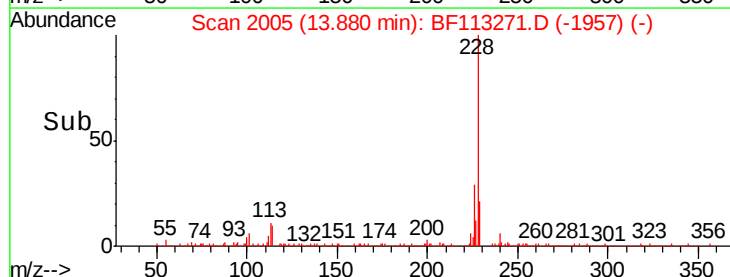
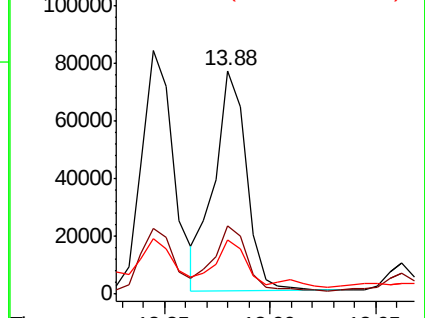
229 24.2 16.3 24.5

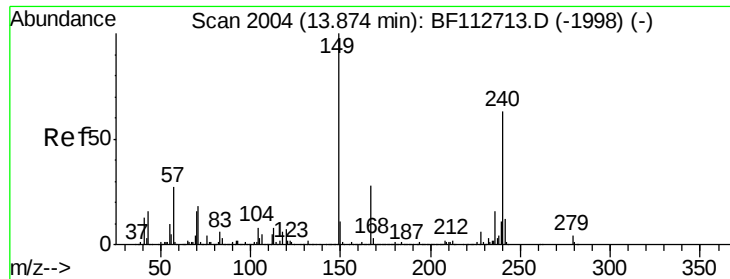


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

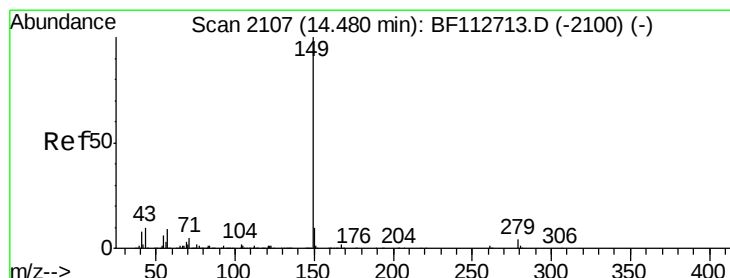
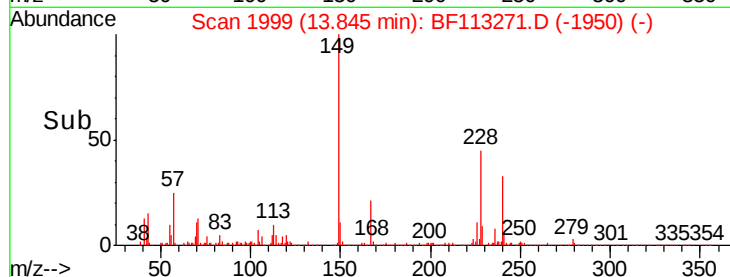
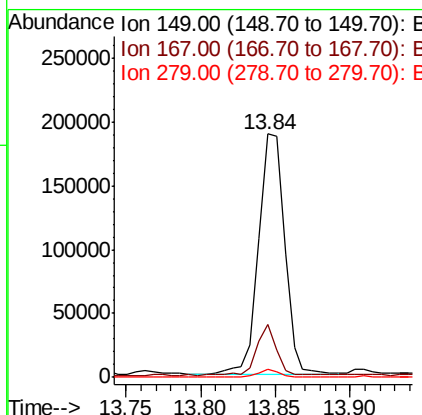
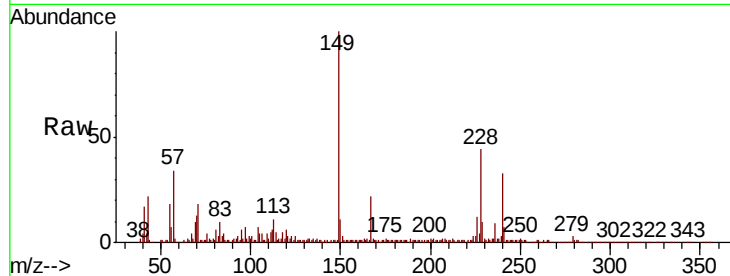




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.376 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

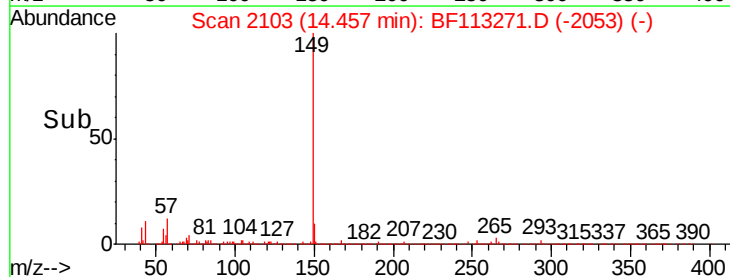
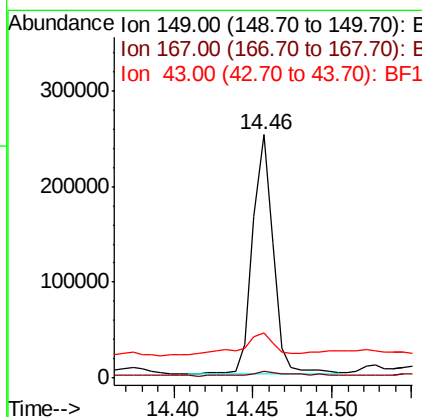
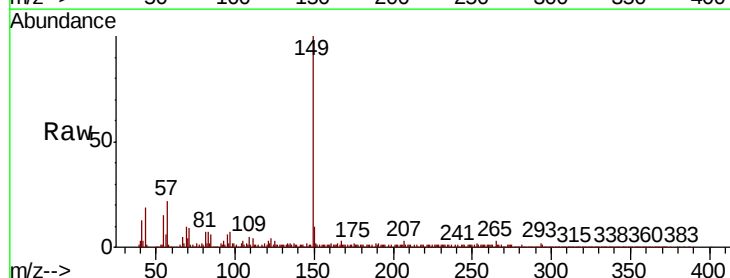
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

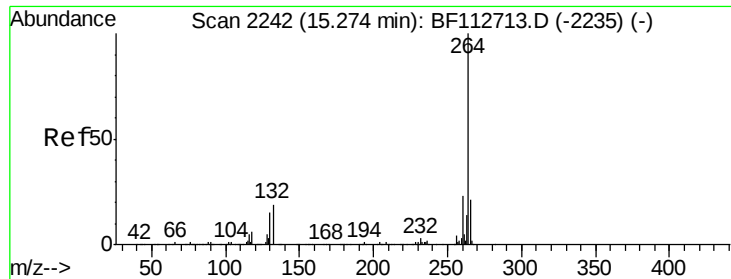
Tgt Ion:149 Resp: 225441
Ion Ratio Lower Upper
149 100
167 21.6 22.4 33.6#
279 3.4 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 7.211 ng
RT: 14.46 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:149 Resp: 225562
Ion Ratio Lower Upper
149 100
167 3.2 1.2 1.8#
43 14.1 9.0 13.4#

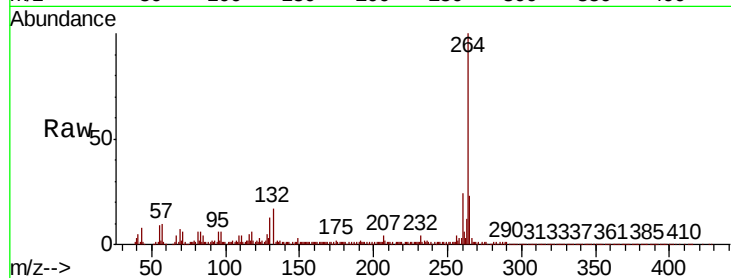




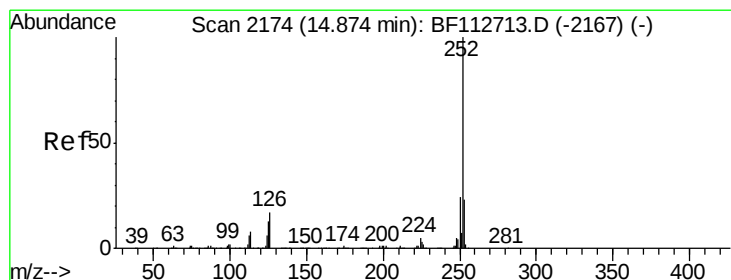
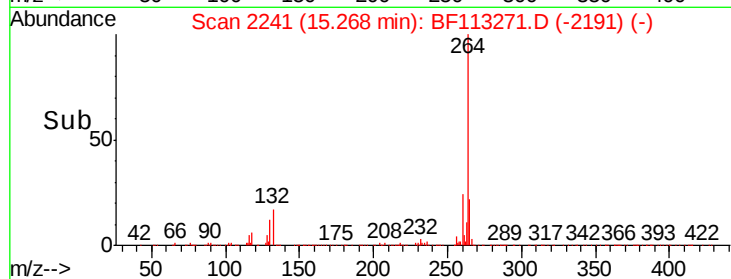
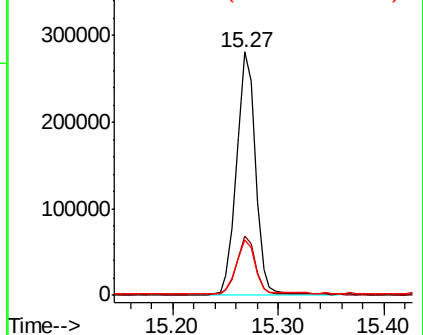
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

Tgt Ion:264 Resp: 341997
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.6 17.2 25.8

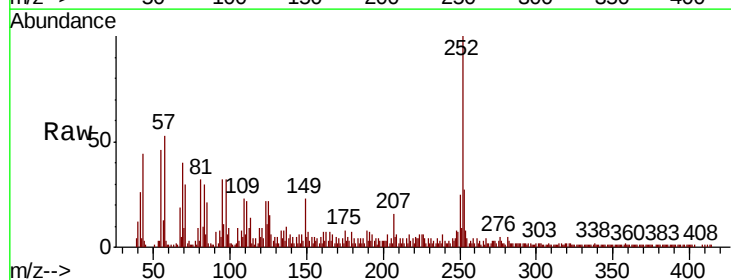


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

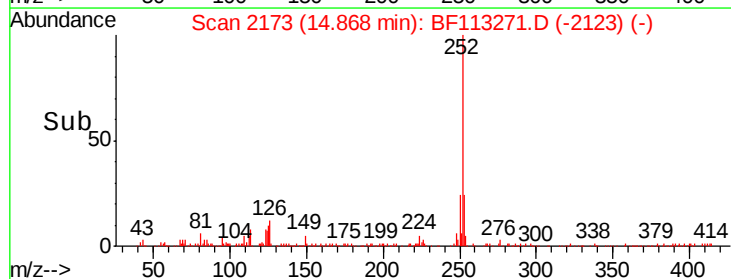
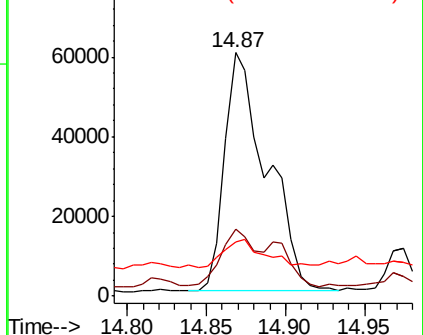


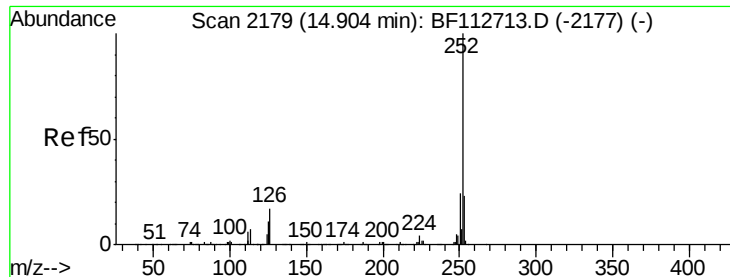
#88
Benzo(b)fluoranthene
Concen: 5.014 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:252 Resp: 110907
Ion Ratio Lower Upper
252 100
253 27.4 18.0 27.0#
125 22.1 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

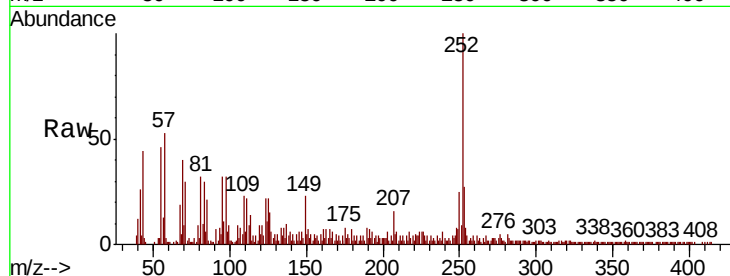




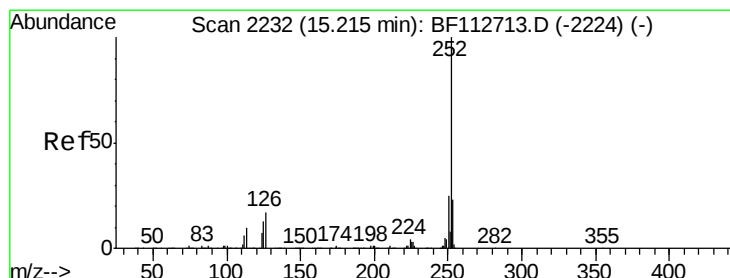
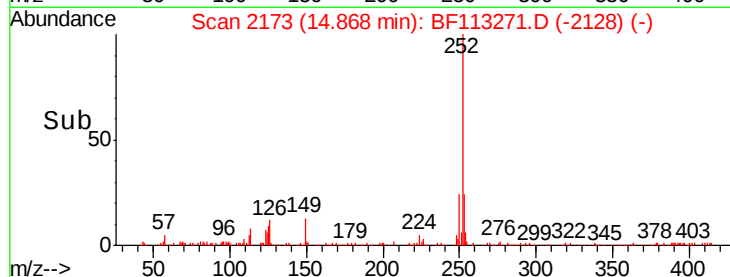
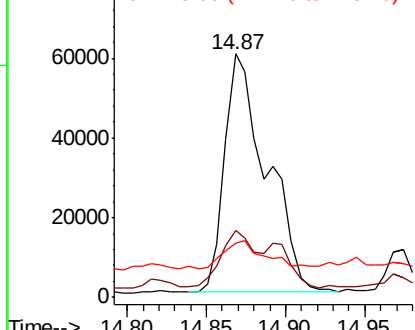
#89
Benzo(k)fluoranthene
Concen: 5.535 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-B

Tgt Ion:252 Resp: 110907
Ion Ratio Lower Upper
252 100
253 27.4 18.2 27.2#
125 22.1 9.8 14.6#

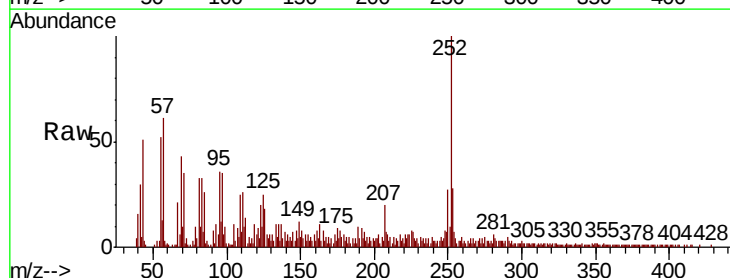


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.842 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113271.D
Acq: 24 Mar 2019 16:45

Tgt Ion:252 Resp: 55614
Ion Ratio Lower Upper
252 100
253 28.1 18.0 27.0#
125 24.9 10.7 16.1#



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

