

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116089.D
 Acq On : 9 Aug 2019 1:11
 Operator : HP/JU
 Sample : K4154-09 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:16:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	131119	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	533605	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	285750	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	493826	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318476	20.00	ng	-0.01
87) Perylene-d12	15.46	264	359942	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	351037	44.82	ng	-0.01
7) Phenol-d6	6.47	99	474676	48.03	ng	-0.02
23) Nitrobenzene-d5	7.40	82	249314	26.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	103589	37.39	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	418401	27.43	ng	-0.02
79) Terphenyl-d14	12.93	244	373669	24.72	ng	-0.02

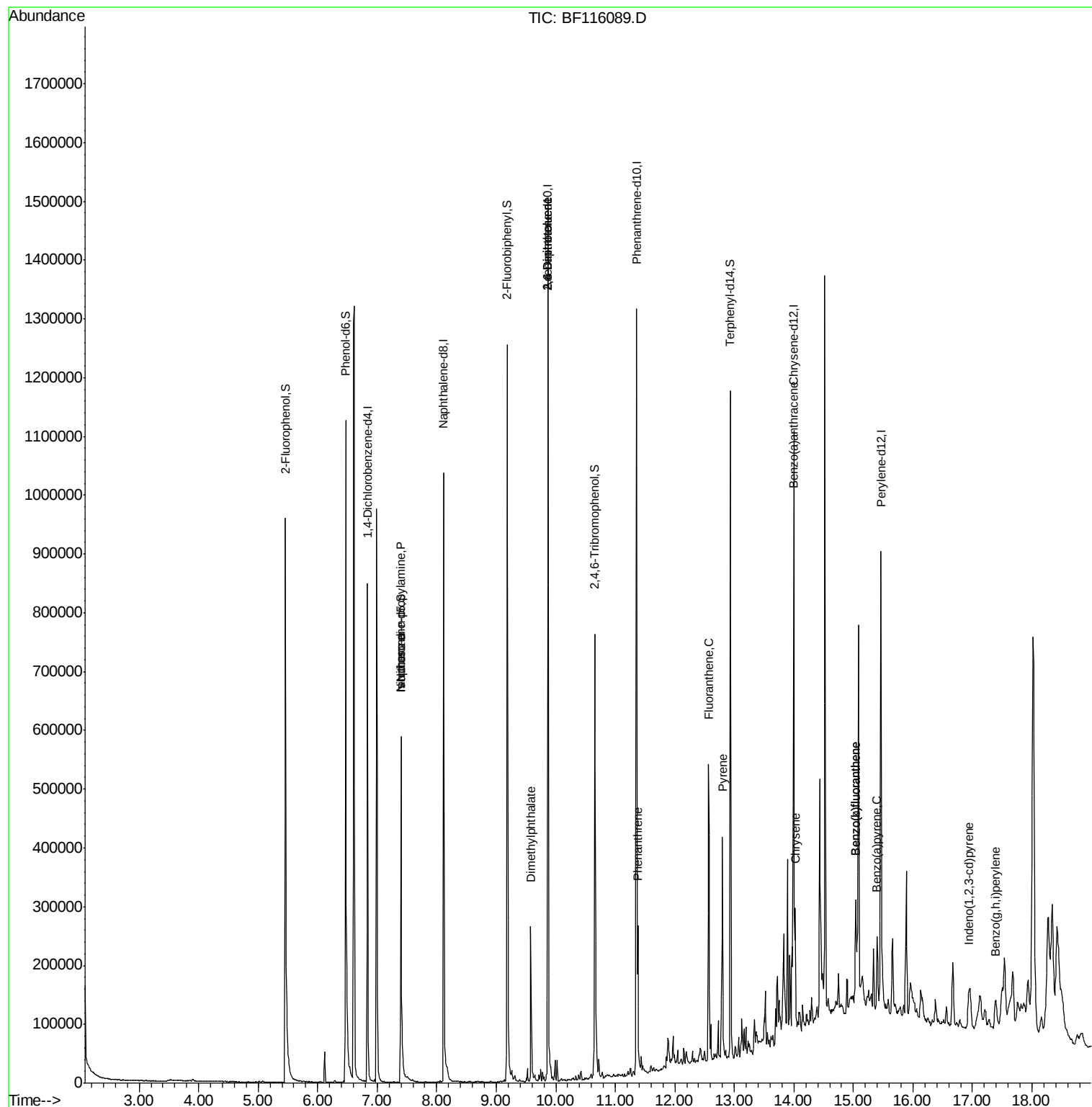
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	33377	5.451	ng	# 80
25) Isophorone	7.40	82	249311	14.104	ng	# 65
50) Dimethylphthalate	9.59	163	132786	6.825	ng	98
51) 2,6-Dinitrotoluene	9.87	165	36811	8.706	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	36811	6.539	ng	# 20
71) Phenanthrene	11.38	178	94383	3.739	ng	96
75) Fluoranthene	12.57	202	209109	7.912	ng	99
78) Pyrene	12.80	202	160828	6.699	ng	98
81) Benzo(a)anthracene	13.99	228	66147	3.250	ng	98
83) Chrysene	14.02	228	74303	3.760	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	41970	2.529	ng	# 90
88) Benzo(b)fluoranthene	15.04	252	124243	5.970	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	124243	6.129	ng	# 96
90) Benzo(a)pyrene	15.40	252	57943	3.114	ng	98
92) Benzo(a,h,i)perylene	17.38	276	37693	2.383	ng	95

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

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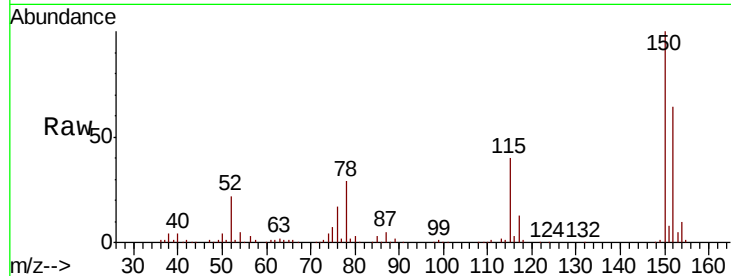


#1

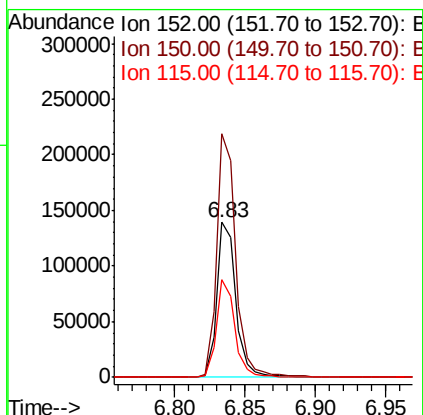
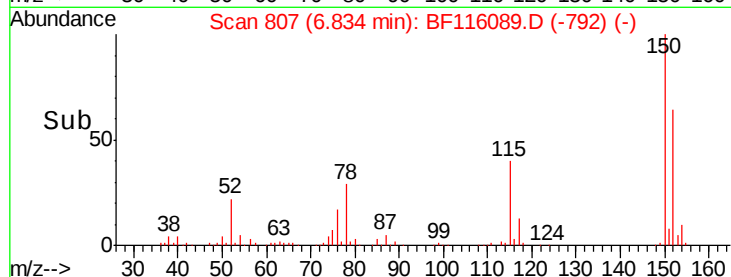
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 131119
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 63.1 49.9 74.9



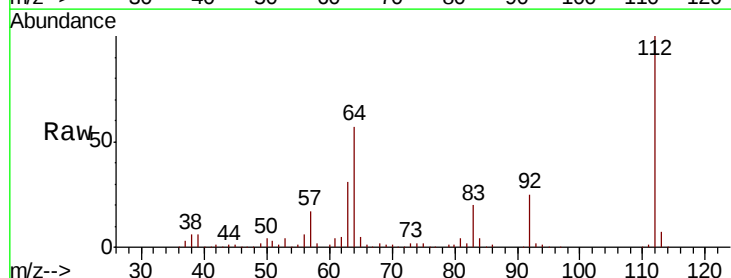
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



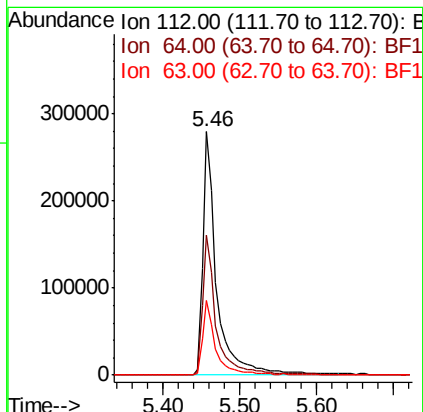
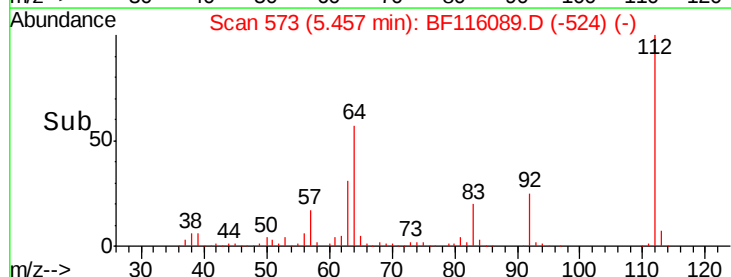
#5

2-Fluorophenol
Concen: 44.819 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion:112 Resp: 351037
Ion Ratio Lower Upper
112 100
64 57.3 45.4 68.2
63 30.6 23.7 35.5



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: 48.035 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Instrument :

BNA_F

ClientSampleId :

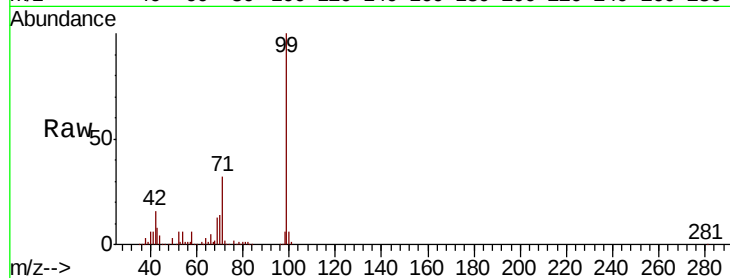
Tot Ion: 99 Resp: 474676

Ion Ratio Lower Upper

99 100

42 16.3 13.8 20.8

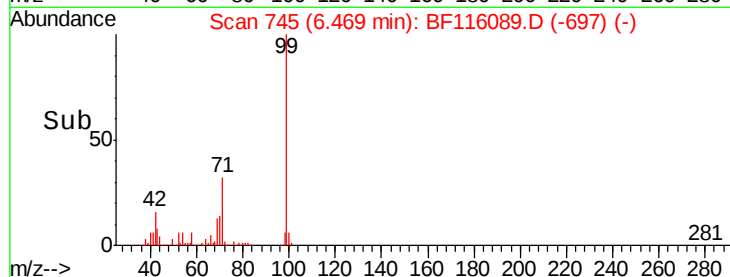
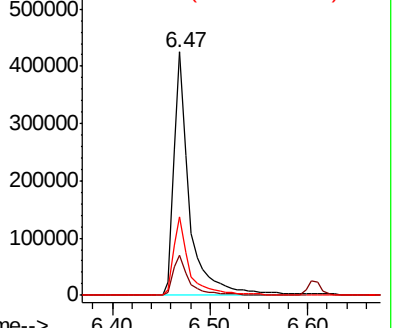
71 32.5 27.3 40.9



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: 5.451 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Tgt Ion: 70 Resp: 33377

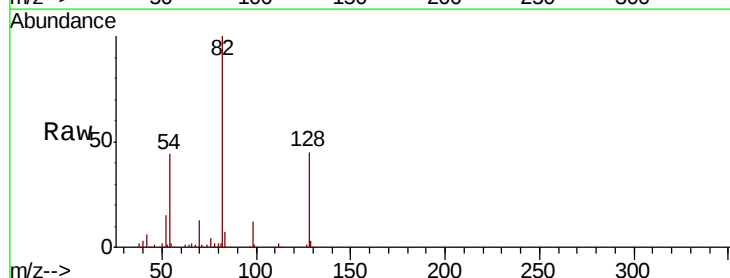
Ion Ratio Lower Upper

70 100

42 43.4 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

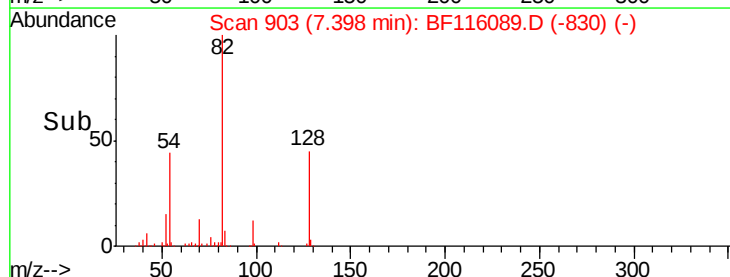
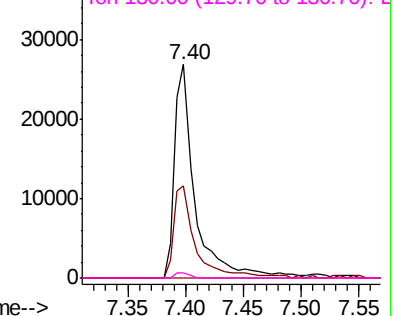


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 533605

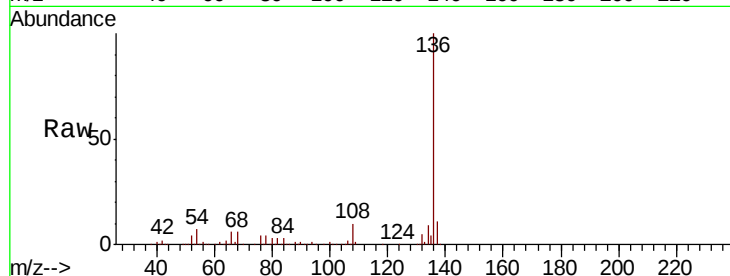
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 5.8 8.6

68 6.2 5.2 7.8

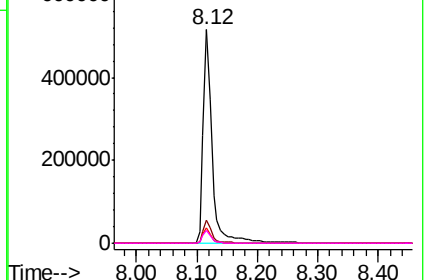
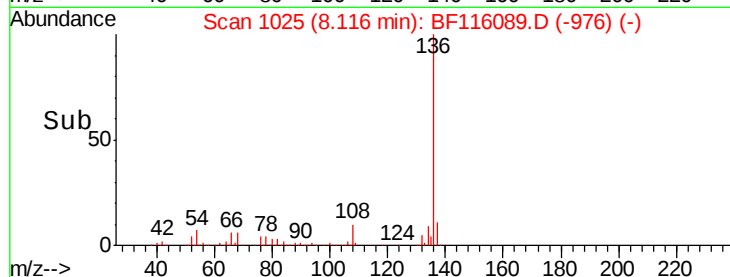


Abundance Ion 136.00 (135.70 to 136.70): E

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: 26.970 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

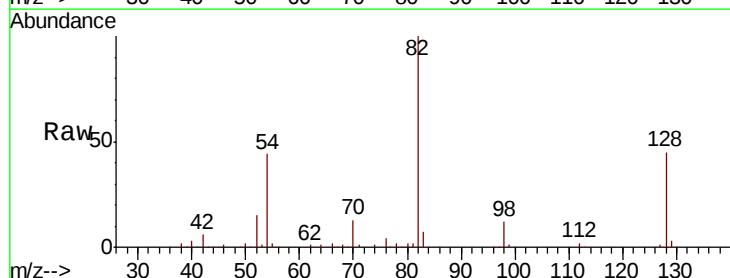
Tgt Ion: 82 Resp: 249314

Ion Ratio Lower Upper

82 100

128 44.8 36.5 54.7

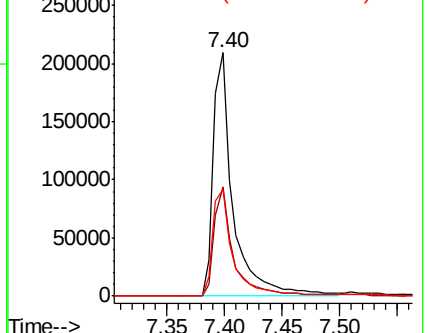
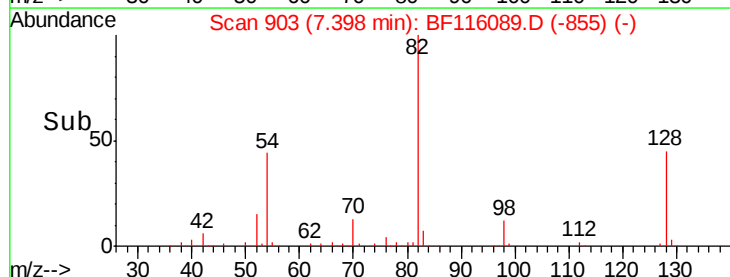
54 43.8 36.0 54.0



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: 14.104 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Instrument :

BNA_F

ClientSampleId :

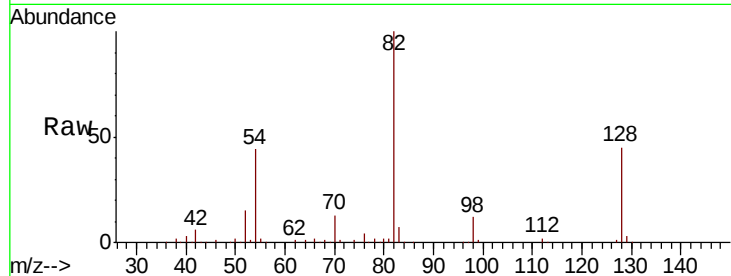
Tot Ion: 82 Resp: 249311

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

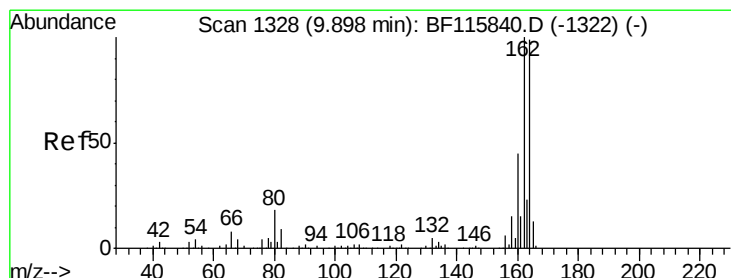
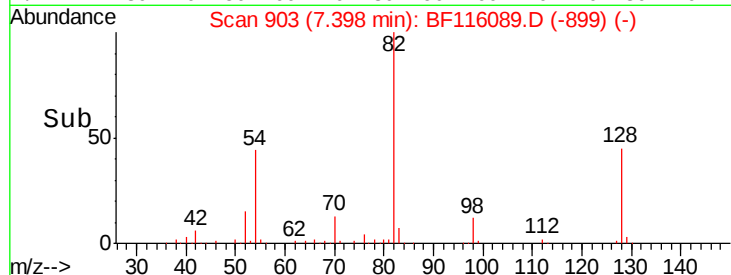
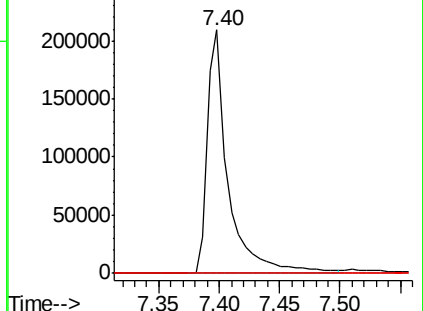
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

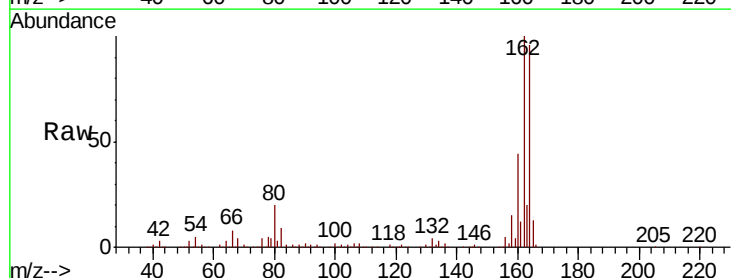
Tgt Ion:164 Resp: 285750

Ion Ratio Lower Upper

164 100

162 103.8 82.6 124.0

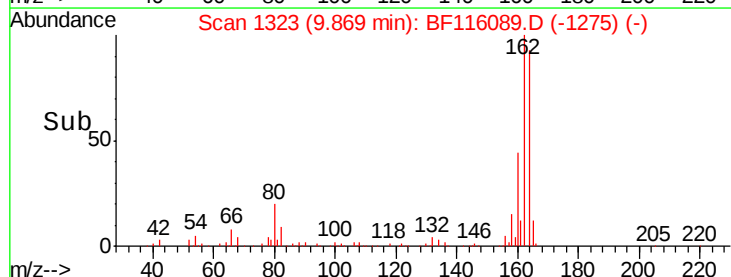
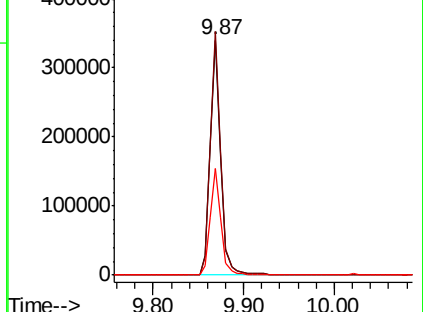
160 45.7 37.6 56.4



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

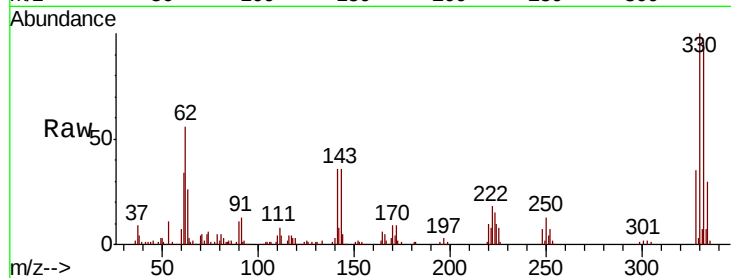




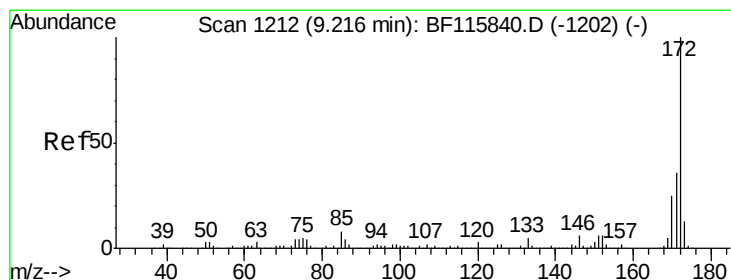
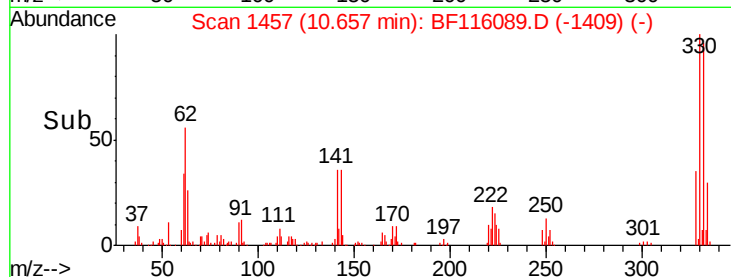
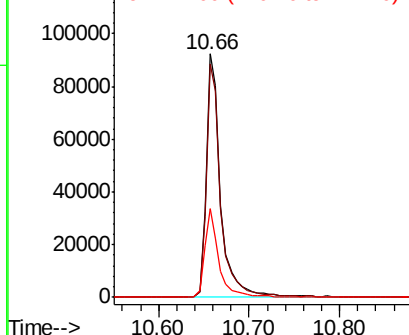
#42
 2,4,6-Tribromophenol
 Concen: 37.391 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 103589
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.8 115.2
 141 35.1 26.3 39.5

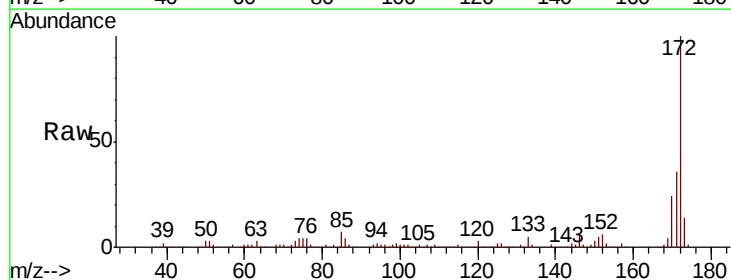


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

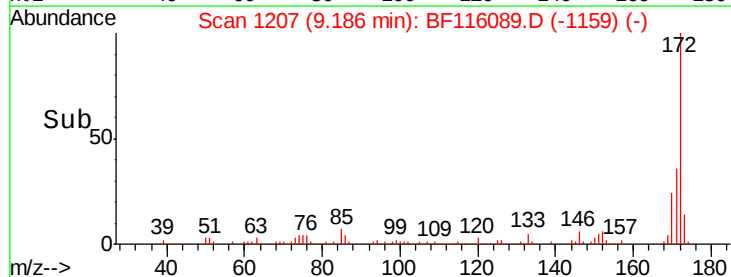
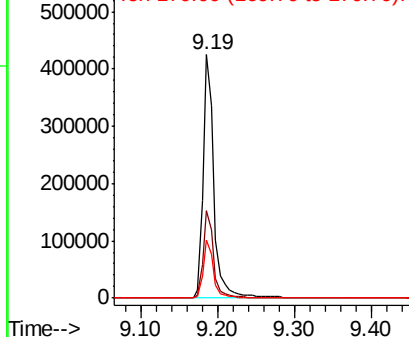


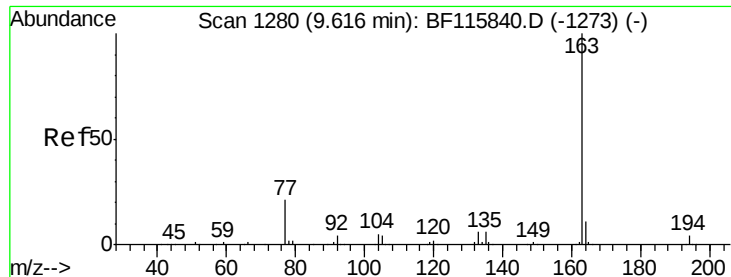
#45
 2-Fluorobiphenyl
 Concen: 27.426 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Tgt Ion:172 Resp: 418401
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.0 20.1 30.1



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: 6.825 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Instrument :

BNA_F

ClientSampleId :

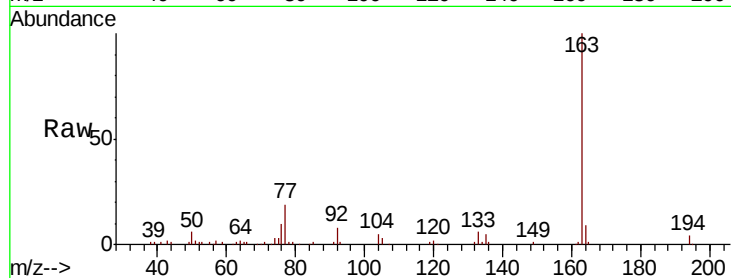
Tot Ion:163 Resp: 132786

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

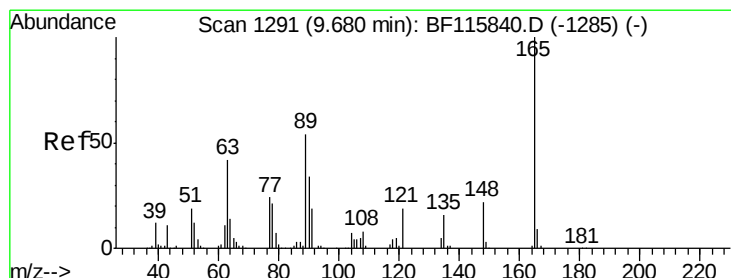
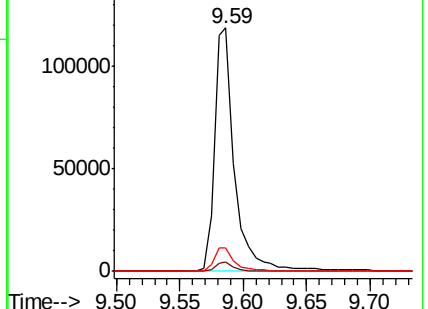
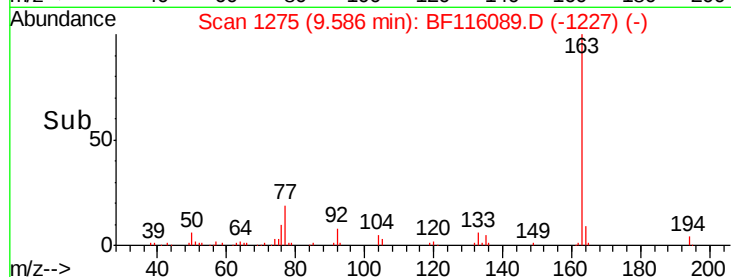
164 9.4 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.706 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

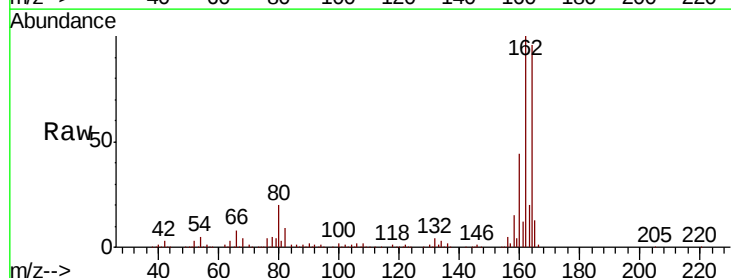
Tgt Ion:165 Resp: 36811

Ion Ratio Lower Upper

165 100

63 1.1 38.2 57.2#

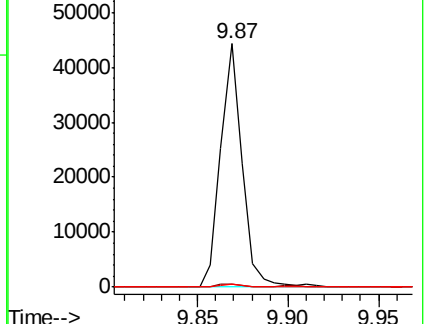
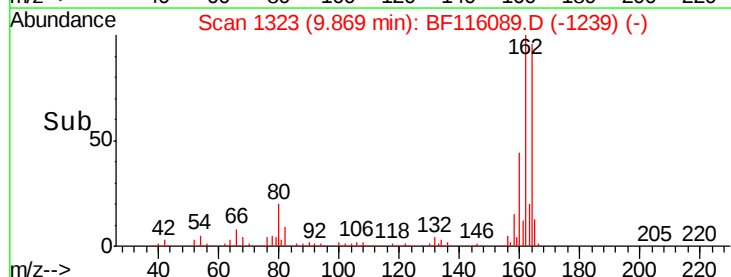
89 1.1 42.9 64.3#

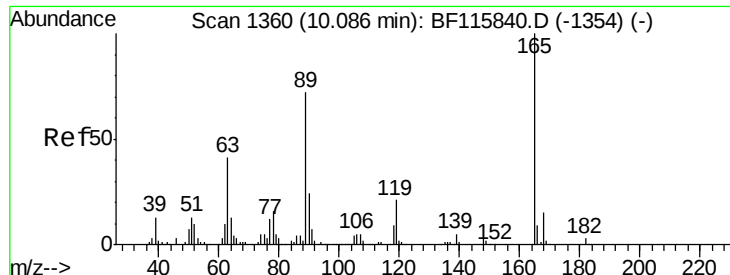


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

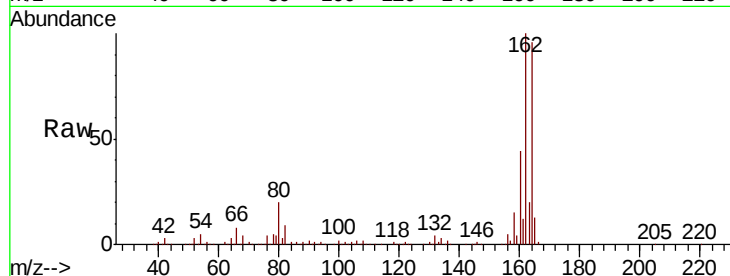




#57
 2,4-Dinitrotoluene
 Concen: 6.539 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.1	62.2	93.2#
182	0.0	2.1	3.1#

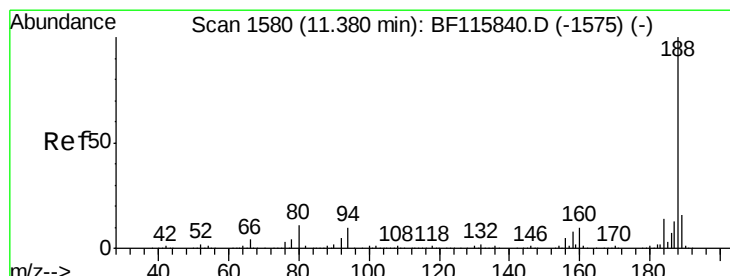
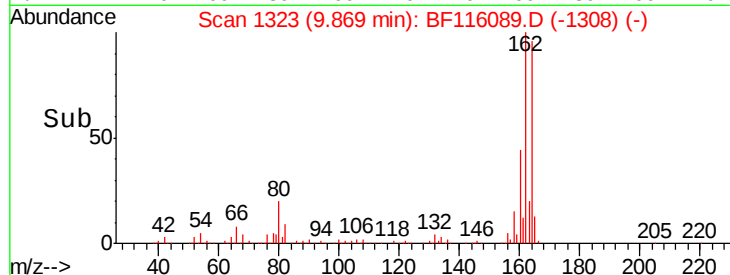
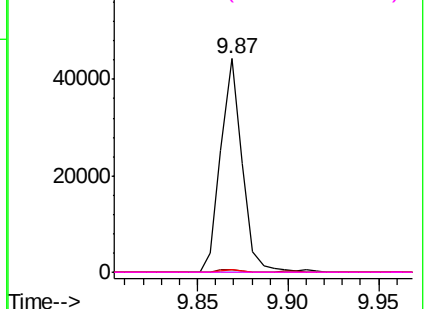


Abundance Ion 165.00 (164.70 to 165.70): E

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



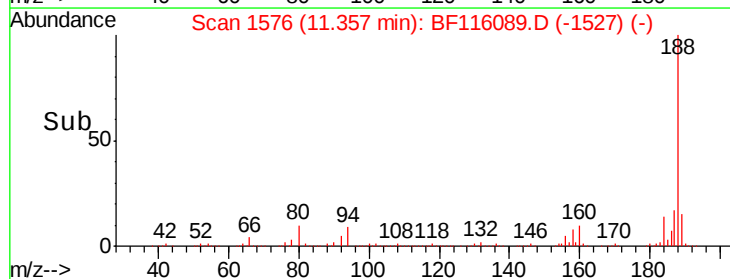
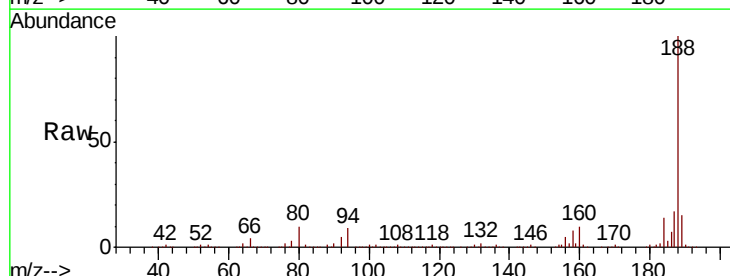
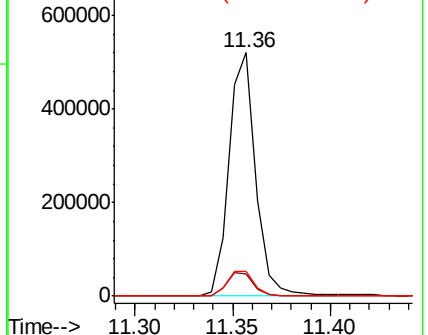
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

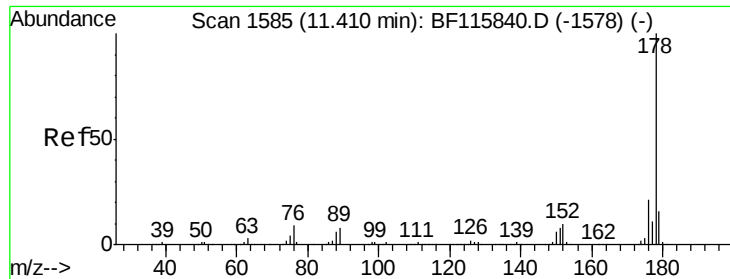
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.1	12.1
80	10.1	8.7	13.1

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

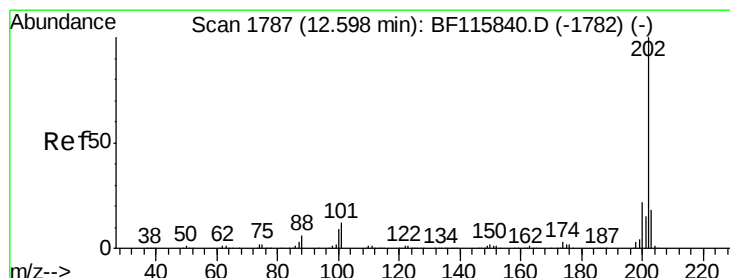
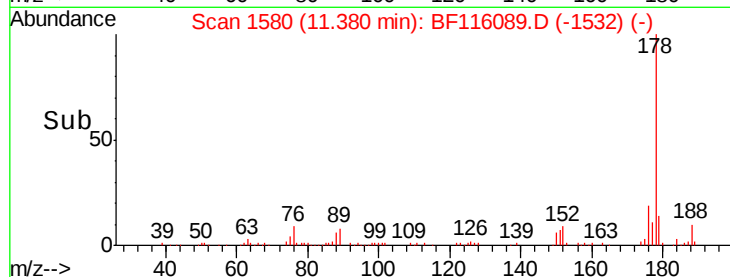
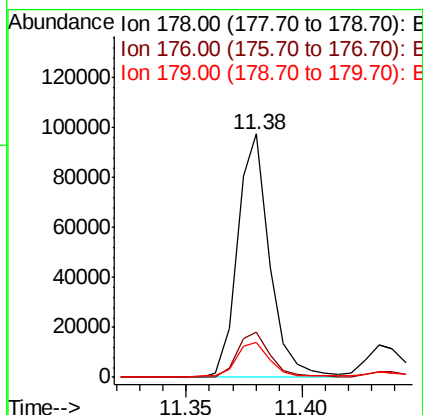
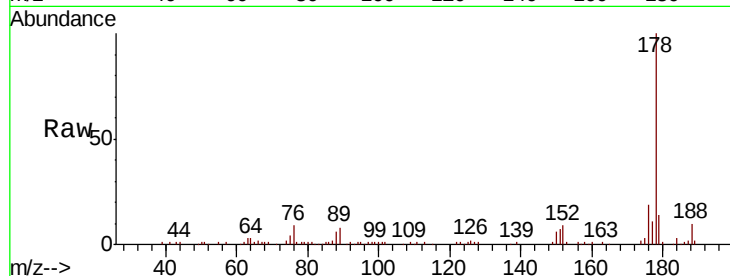




#71
Phenanthrene
Concen: 3.739 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

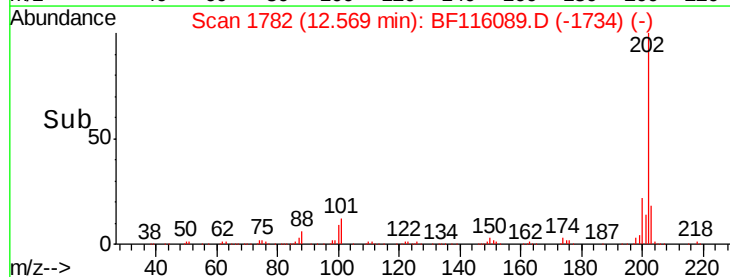
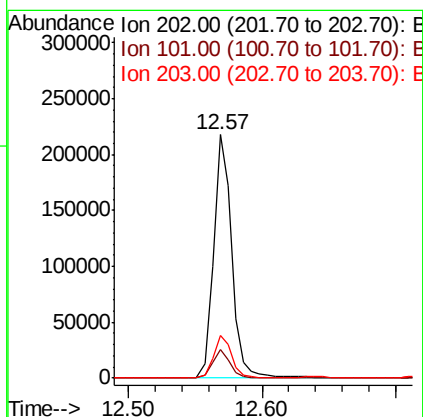
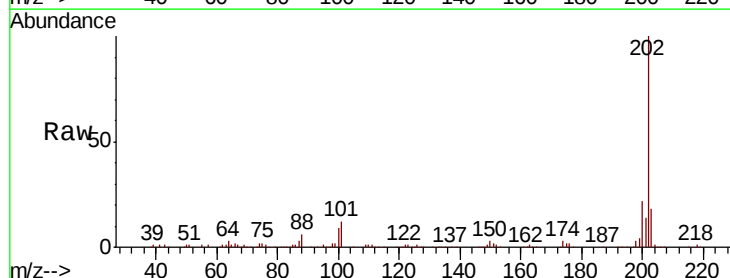
Instrument :
BNA_F
ClientSampleId :

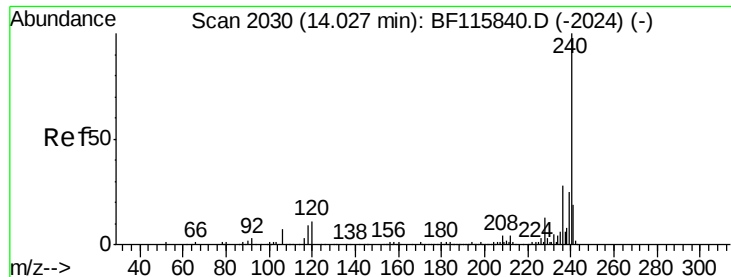
Tot Ion:178 Resp: 94383
Ion Ratio Lower Upper
178 100
176 18.8 16.6 24.8
179 14.2 12.5 18.7



#75
Fluoranthene
Concen: 7.912 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion:202 Resp: 209109
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.2
203 17.5 0.0 37.8

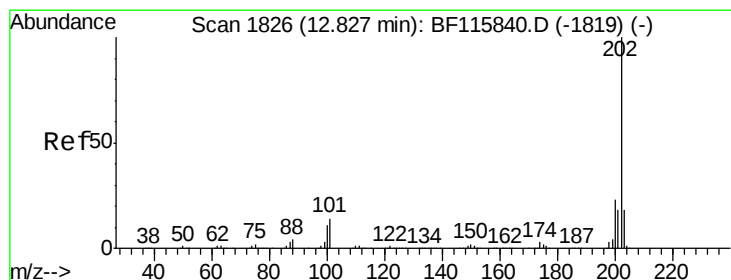
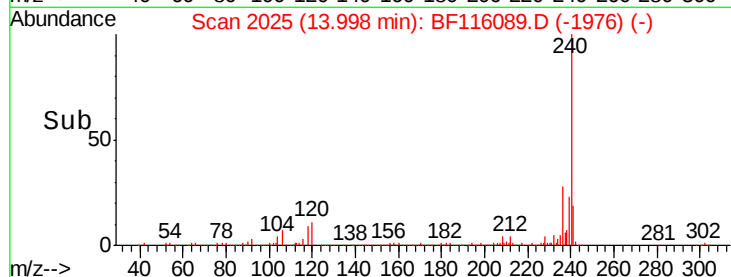
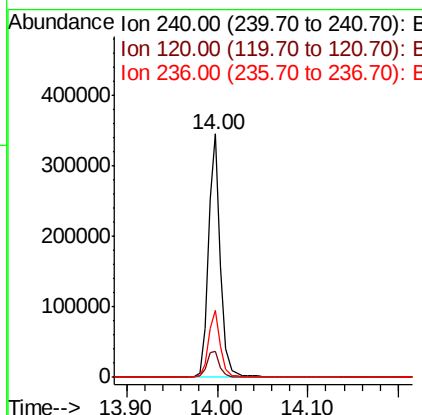
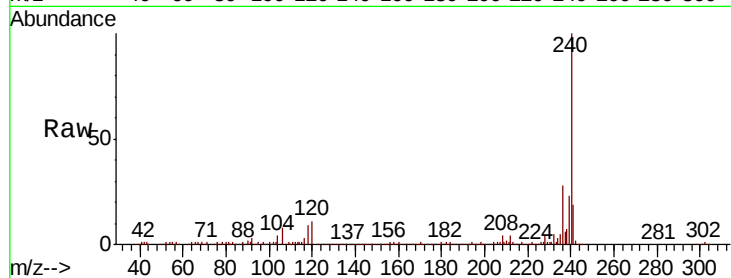




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

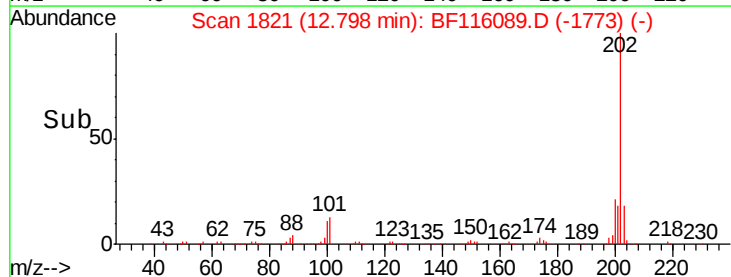
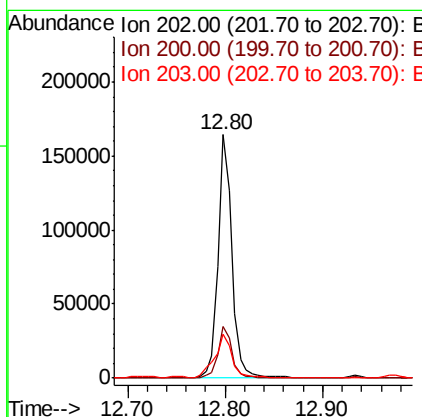
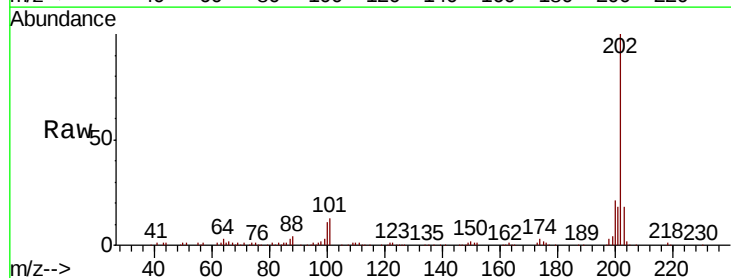
Instrument :
BNA_F
ClientSampleId :

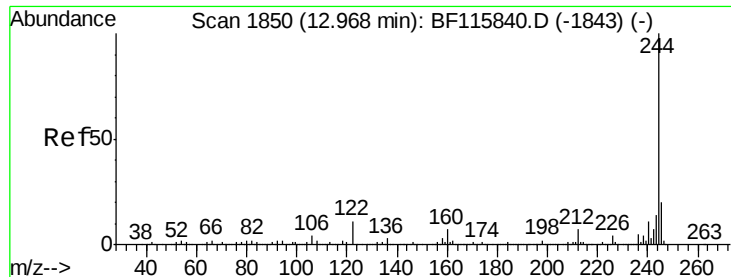
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	10.7	16.1
236	27.7	22.2	33.2



#78
Pyrene
Concen: 6.699 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	17.9	14.1	21.1

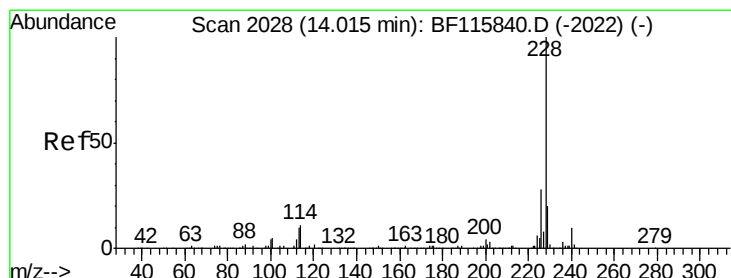
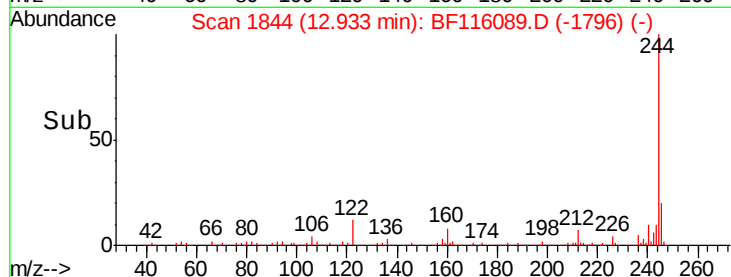
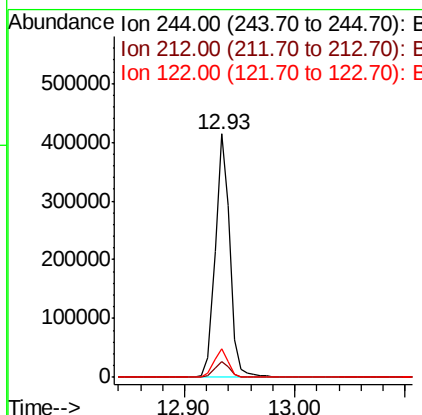
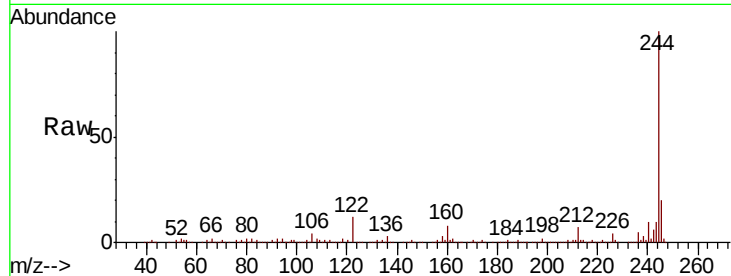




#79
 Terphenyl-d14
 Concen: 24.723 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

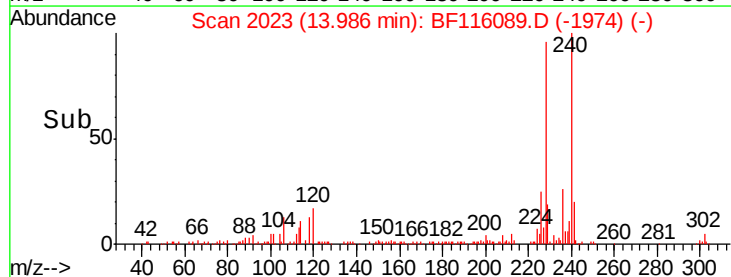
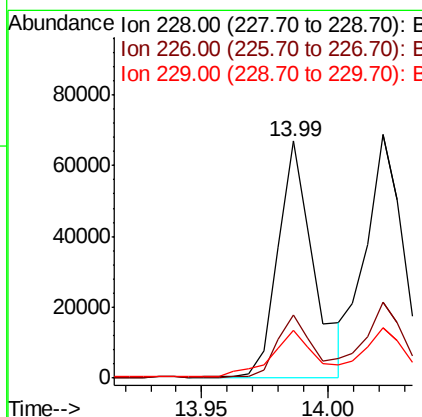
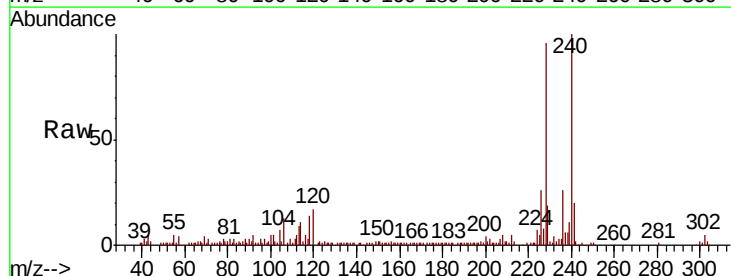
Instrument :
 BNA_F
 ClientSampleId :

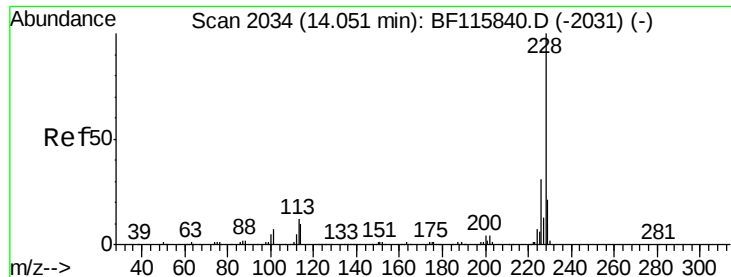
Tot Ion:244 Resp: 373669
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 11.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 3.250 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Tgt Ion:228 Resp: 66147
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.7 34.1
 229 20.1 16.2 24.4

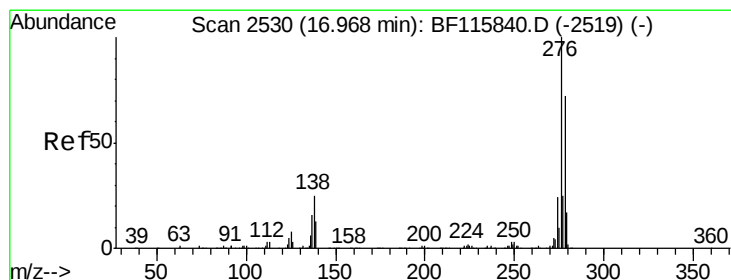
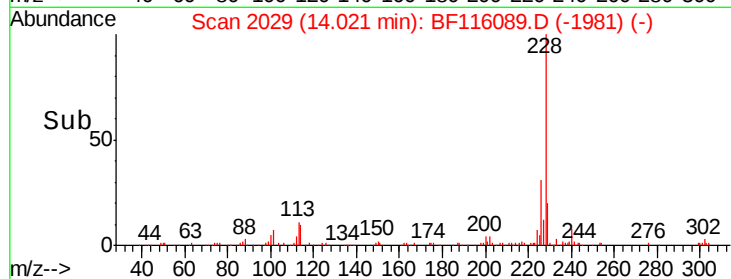
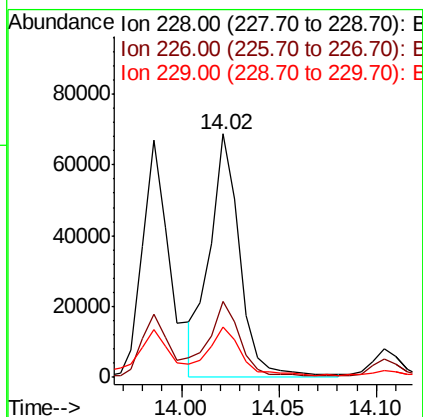
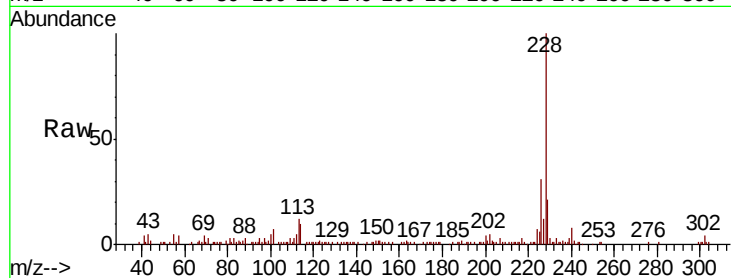




#83
Chrysene
Concen: 3.760 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

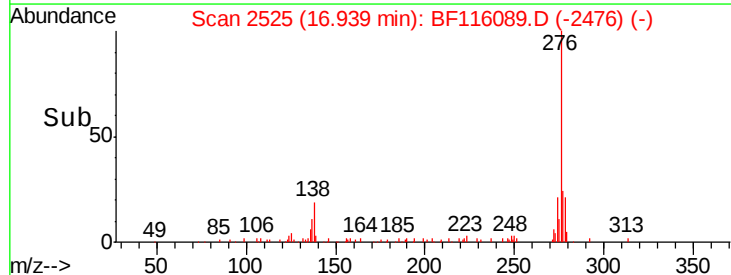
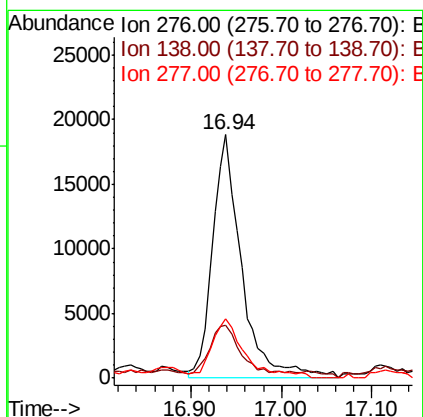
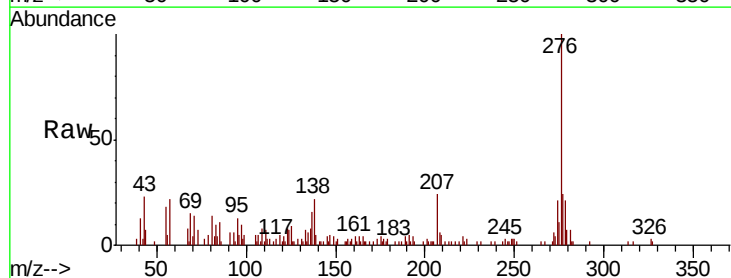
Instrument :
BNA_F
ClientSampleId :

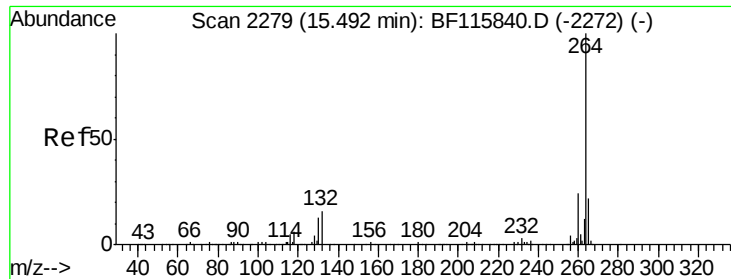
Tot Ion:228 Resp: 74303
Ion Ratio Lower Upper
228 100
226 31.4 25.5 38.3
229 20.9 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.529 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion:276 Resp: 41970
Ion Ratio Lower Upper
276 100
138 19.8 20.4 30.6#
277 20.9 20.0 30.0

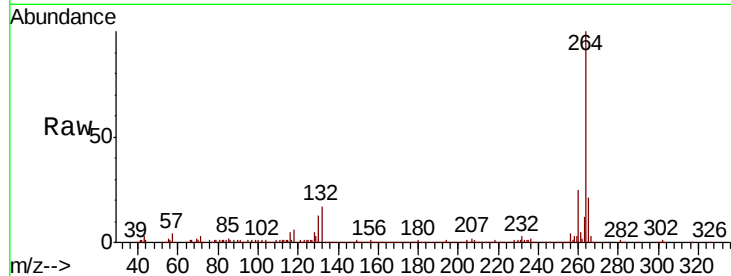




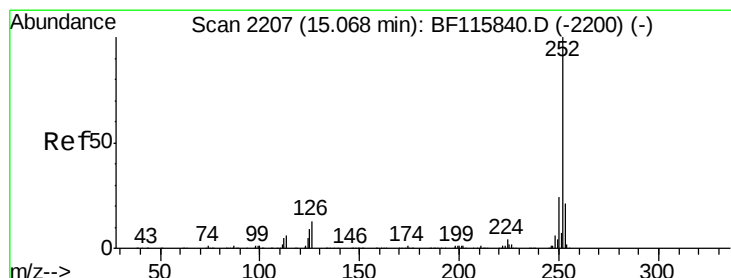
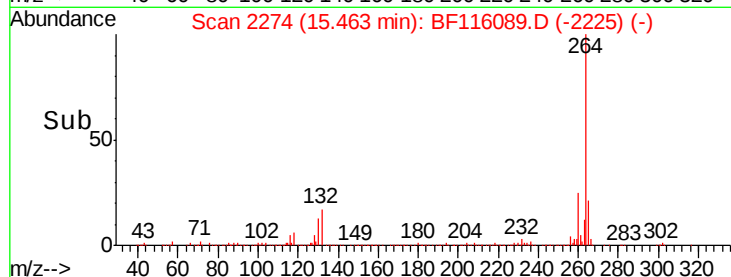
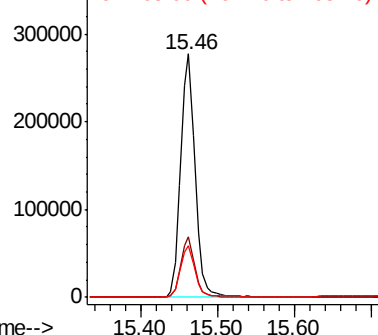
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 359942
Ion Ratio Lower Upper
264 100
260 24.7 19.7 29.5
265 21.4 17.4 26.0

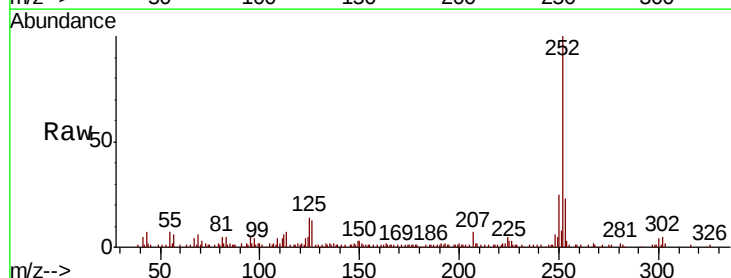


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

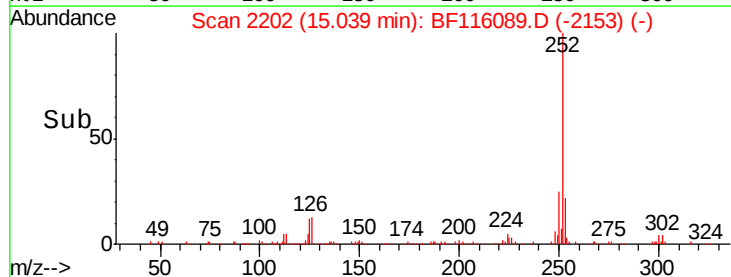
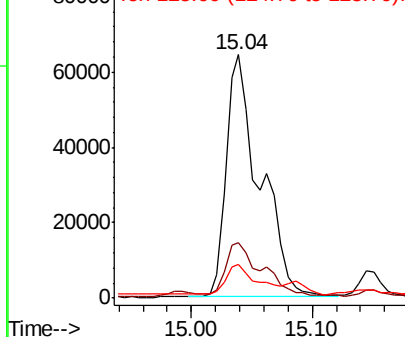


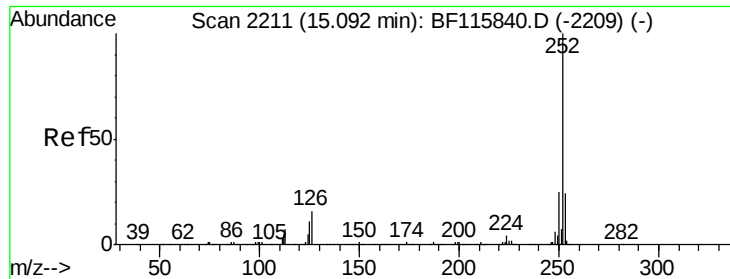
#88
Benzo(b)fluoranthene
Concen: 5.970 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion:252 Resp: 124243
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 13.6 8.4 12.6#



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

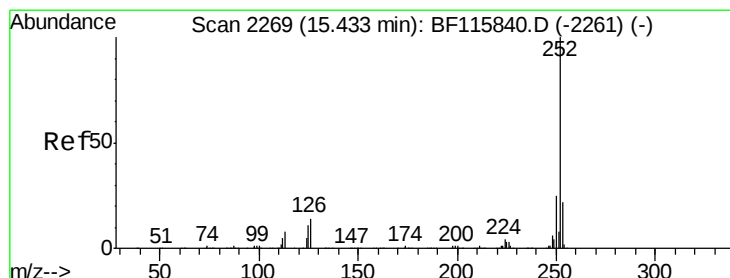
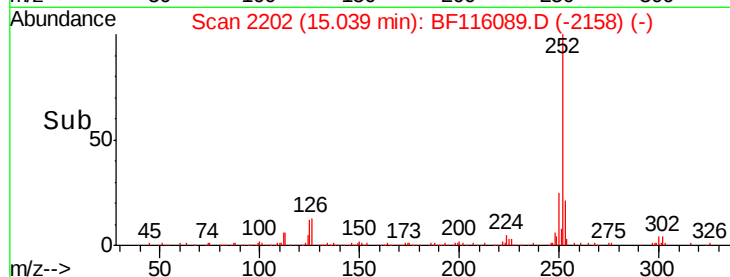
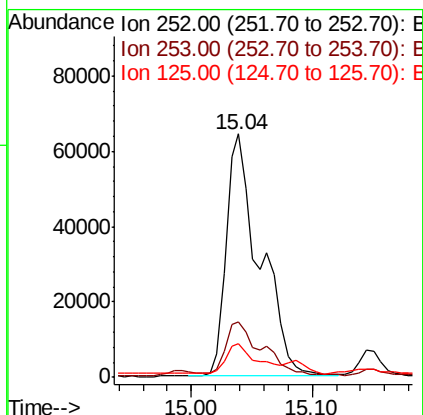
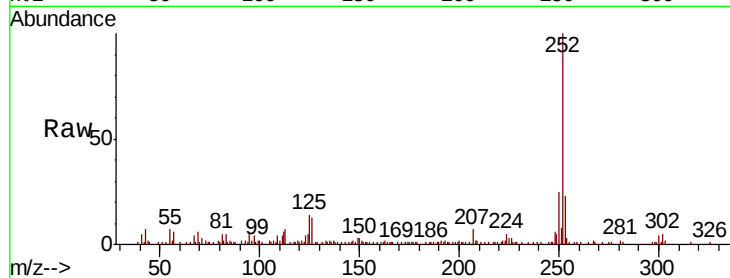




#89
Benzo(k)fluoranthene
Concen: 6.129 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

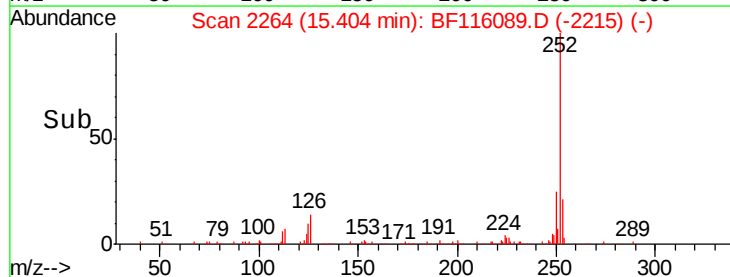
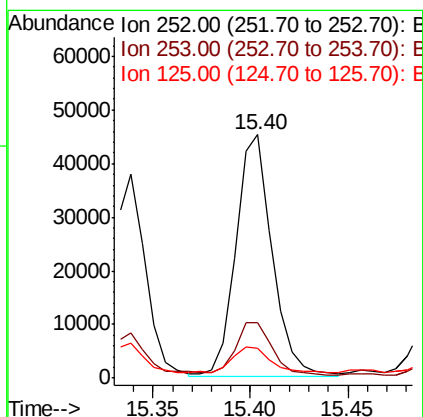
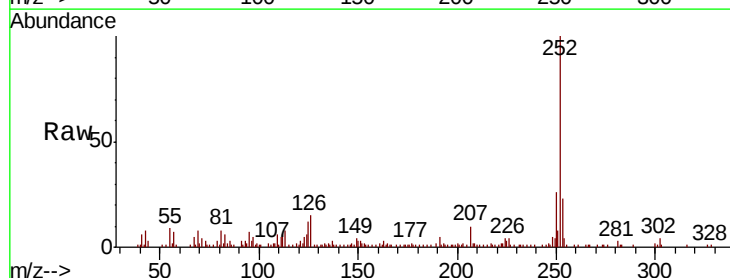
Instrument :
BNA_F
ClientSampleId :

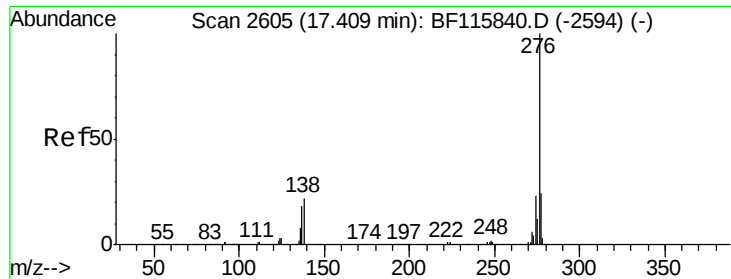
Tot Ion:252 Resp: 124243
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 13.6 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 3.114 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion:252 Resp: 57943
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.4 8.9 13.3





#92
 Benzo(a,h,i)perylene
 Concen: 2.383 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.01 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.4	27.6
138	24.3	17.0	25.6

