

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116740.D
 Acq On : 1 Sep 2019 14:10
 Operator : HP/JU
 Sample : K4525-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:23:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124804	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	507315	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	271536	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	456969	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	403153	20.00	ng	-0.01
87) Perylene-d12	15.44	264	432758	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	434691	56.43	ng	-0.01
7) Phenol-d6	6.47	99	671017	66.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	407496	45.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	166709	91.84	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	813121	50.51	ng	-0.01
79) Terphenyl-d14	12.94	244	957713	43.95	ng	-0.01

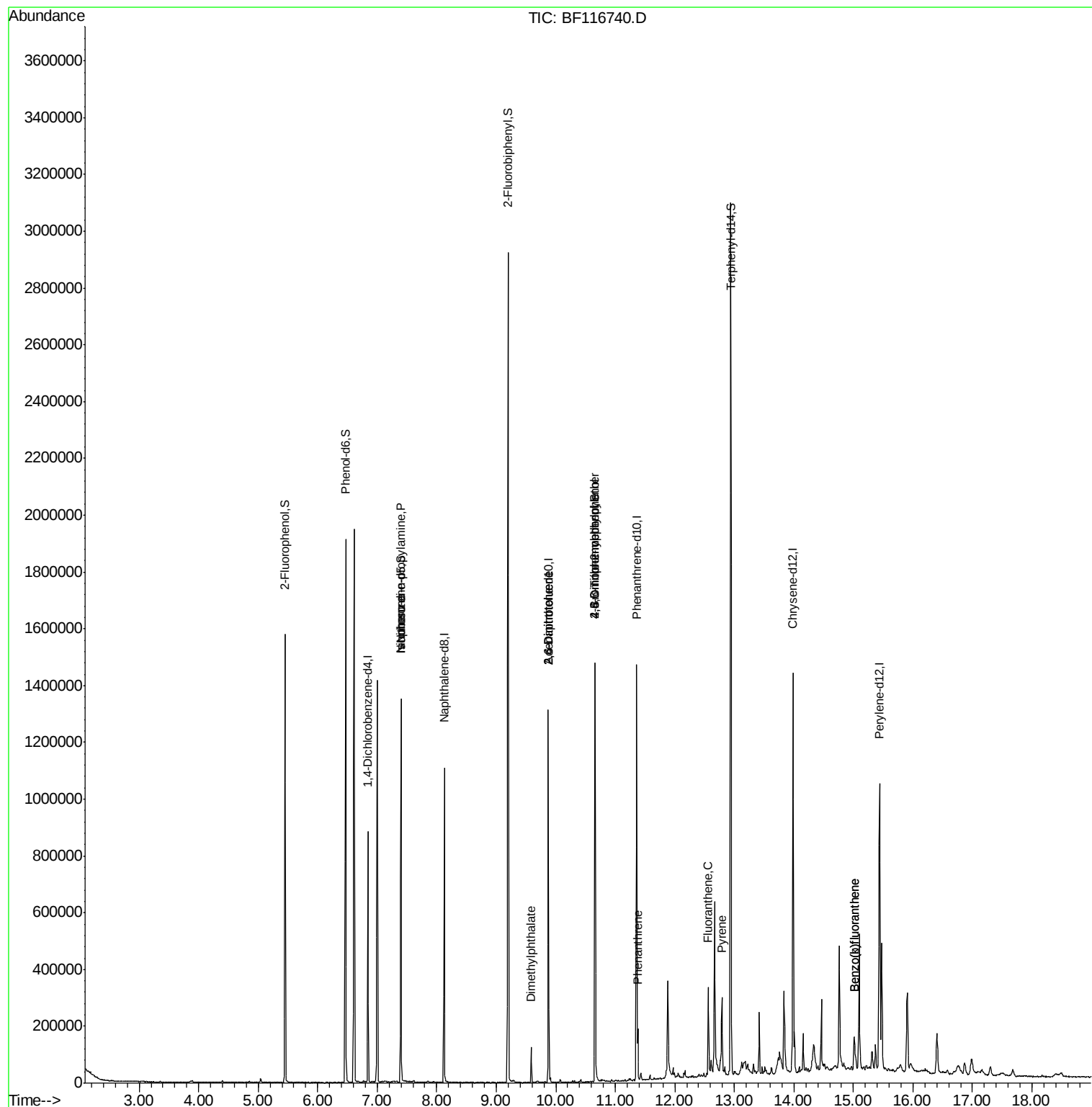
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	53448	8.025	ng	# 71
25) Isophorone	7.40	82	407572	22.634	ng	# 66
50) Dimethylphthalate	9.59	163	42814	2.284	ng	98
51) 2,6-Dinitrotoluene	9.87	165	34073	9.526	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	34073	7.791	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	387	7.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	11204	2.414	ng	# 1
71) Phenanthrene	11.38	178	58176	2.287	ng	95
75) Fluoranthene	12.56	202	113206	4.528	ng	97
78) Pyrene	12.79	202	98362	2.745	ng	99
88) Benzo(b)fluoranthene	15.02	252	78946	3.017	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	78946	3.309	ng	# 96

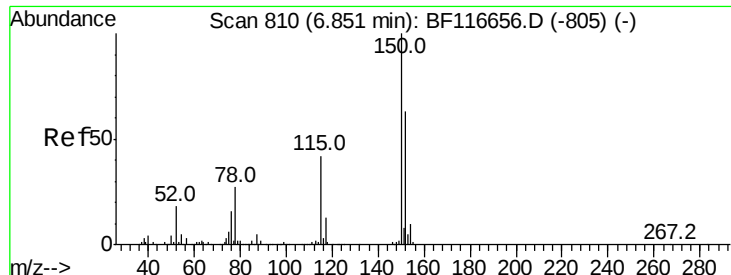
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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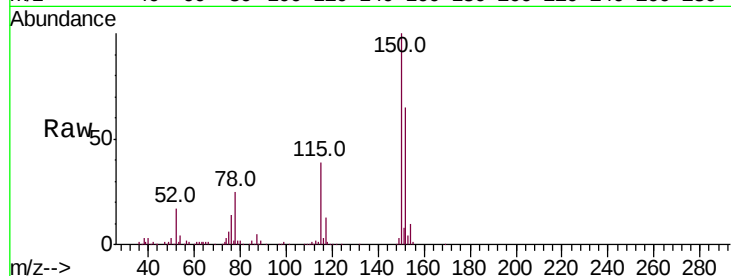


#1

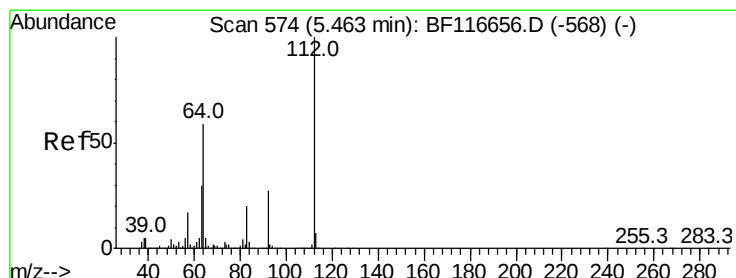
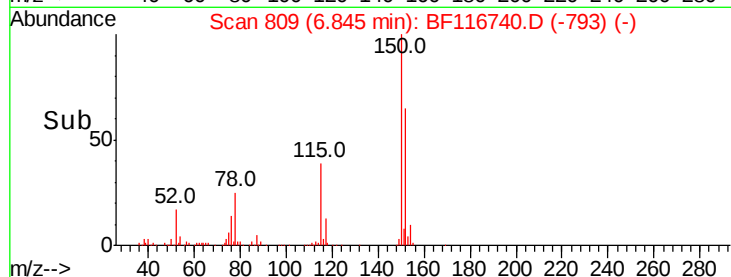
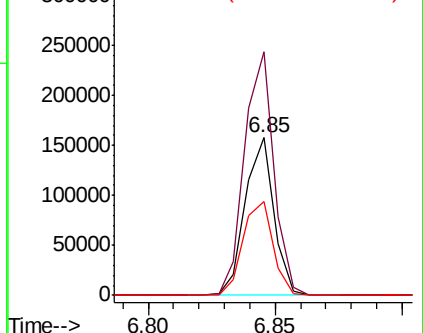
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.4	186.6
115	59.9	49.9	74.9



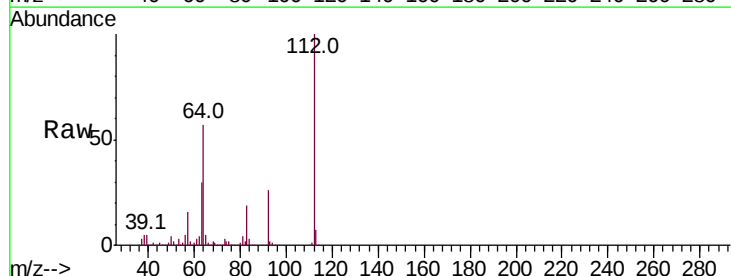
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



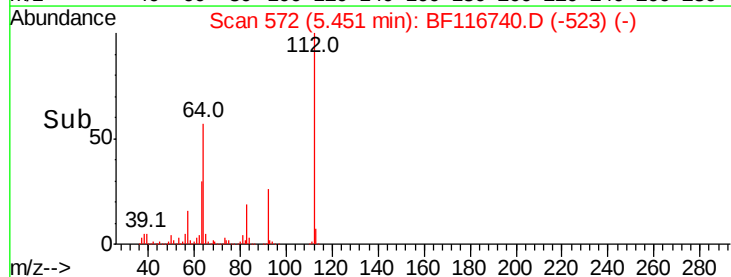
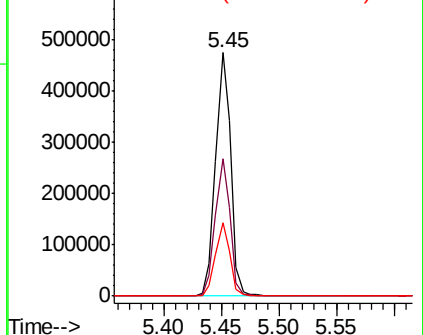
#5

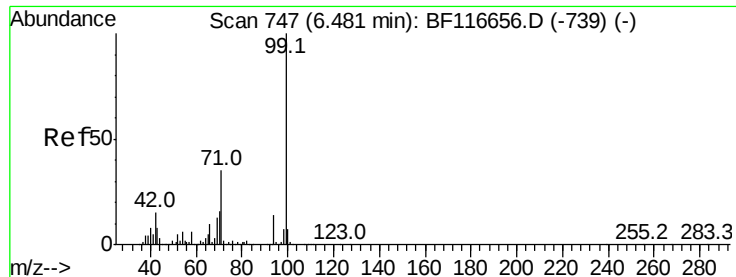
2-Fluorophenol
Concen: 56.426 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.1	70.7
63	29.9	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 66.334 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

ClientSampleId :

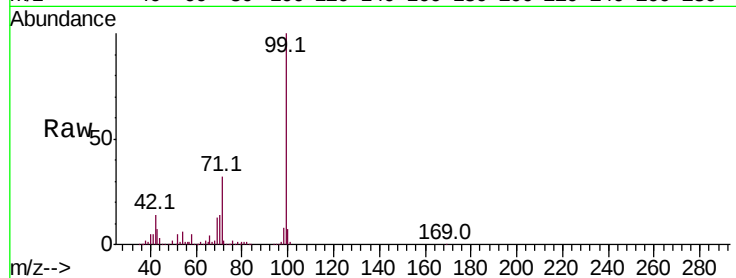
Tot Ion: 99 Resp: 671017

Ion Ratio Lower Upper

99 100

42 13.7 13.7 20.5

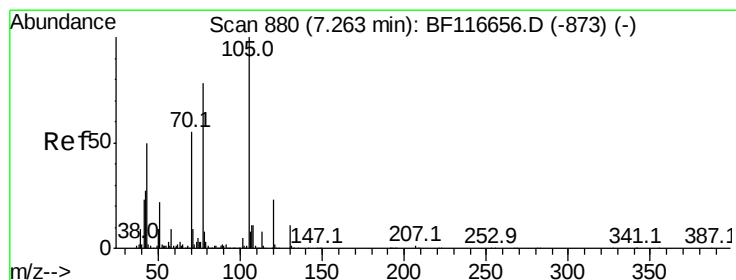
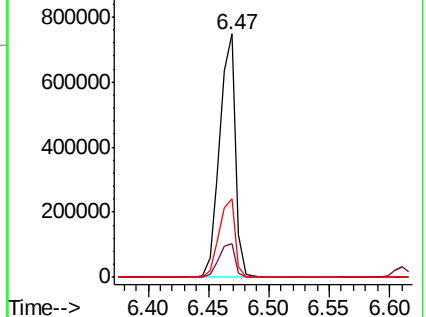
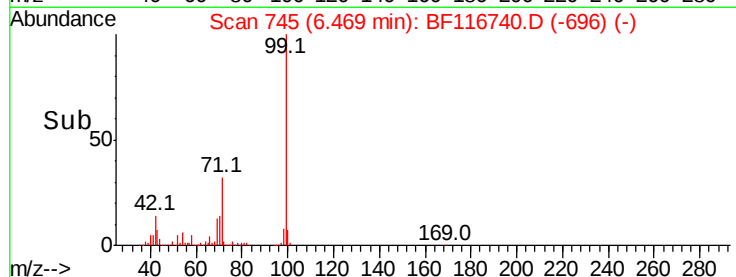
71 32.5 30.8 46.2



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: 8.025 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Tgt Ion: 70 Resp: 53448

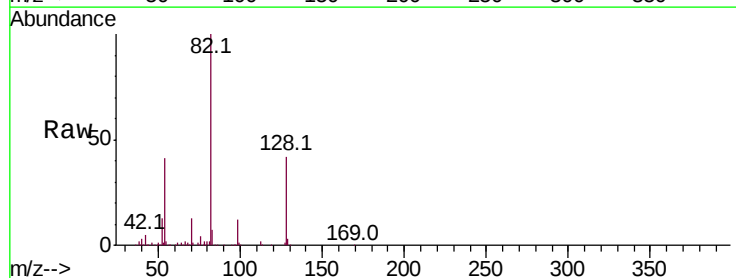
Ion Ratio Lower Upper

70 100

42 36.4 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#

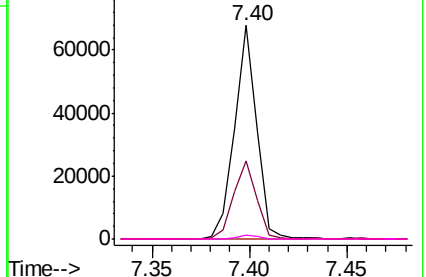
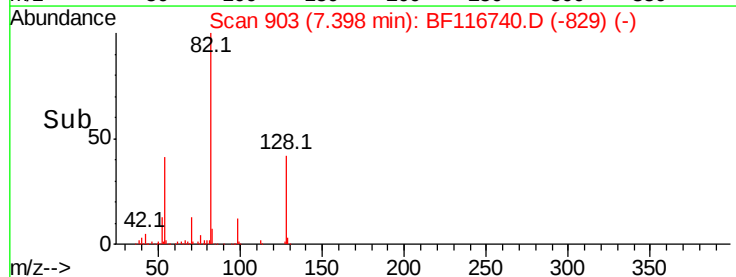


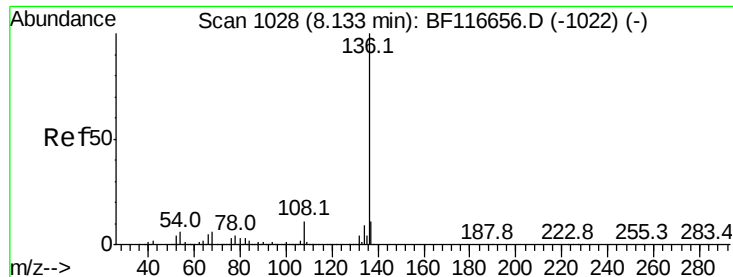
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

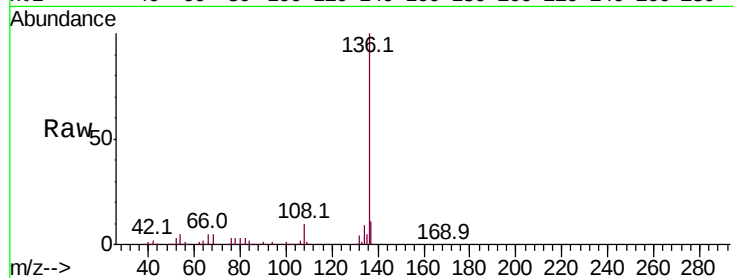




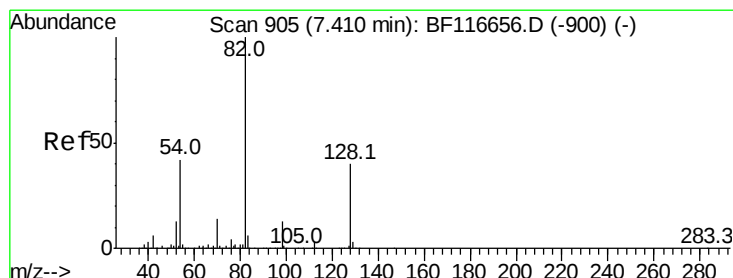
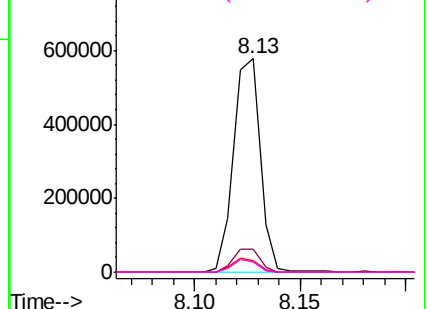
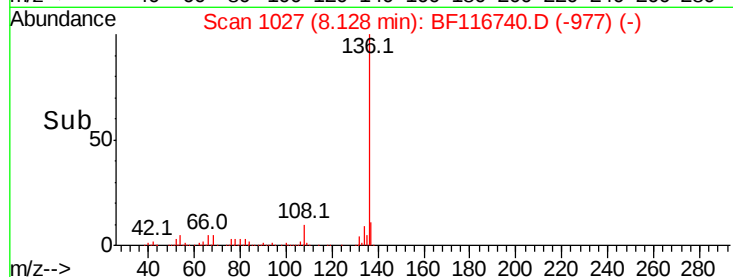
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 507315
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 5.3	4.8 7.2
68 4.9	4.0 6.0

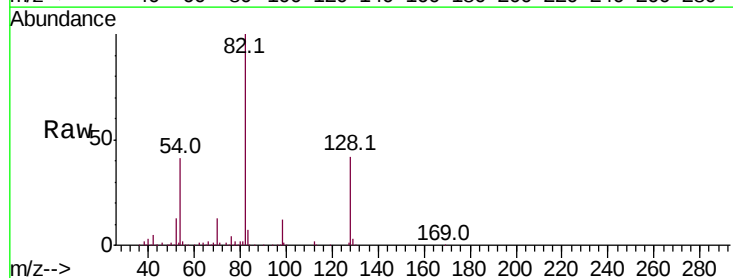


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

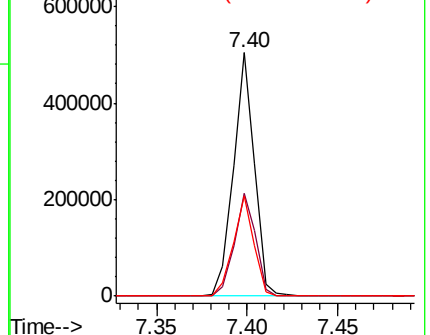
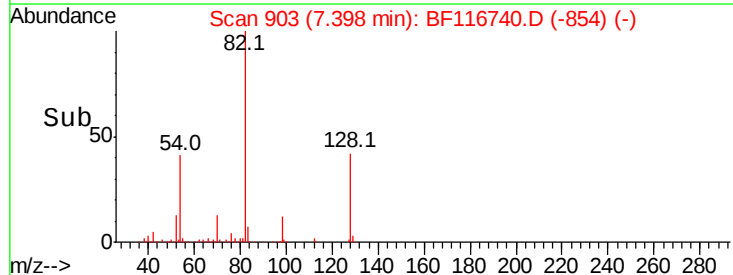


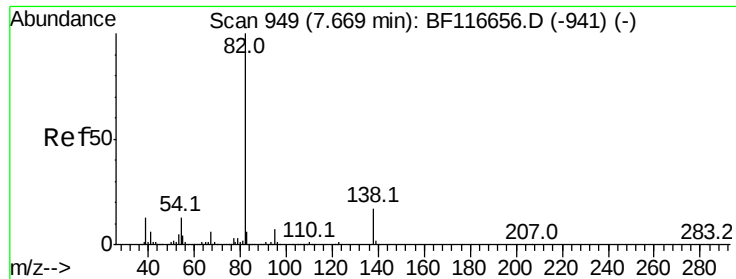
#23
Nitrobenzene-d5
Concen: 45.855 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion: 82	Resp: 407496
Ion Ratio	Lower Upper
82 100	
128 42.3	32.8 49.2
54 41.0	36.9 55.3



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: 22.634 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

ClientSampleId :

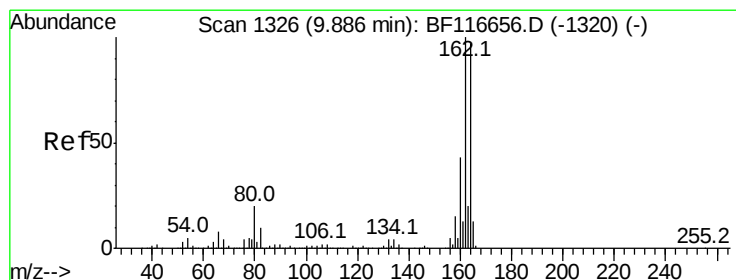
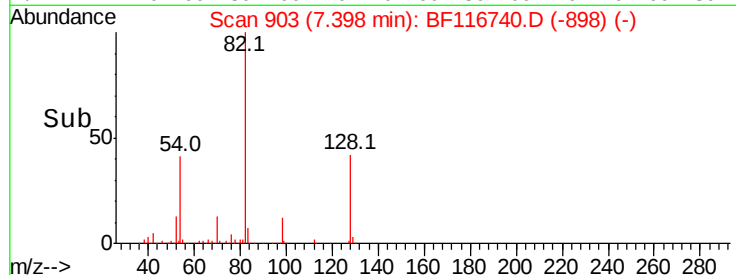
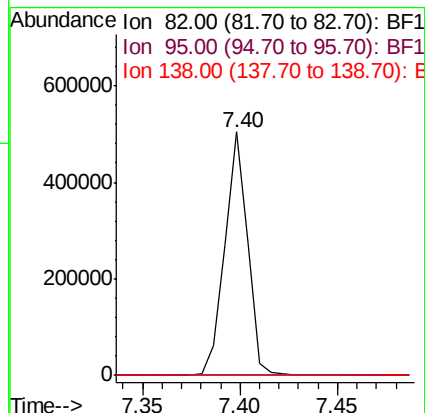
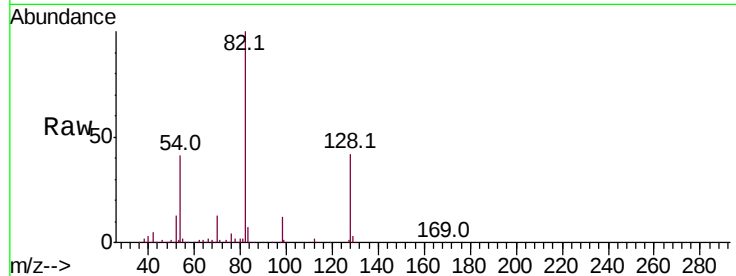
Tot Ion: 82 Resp: 407572

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

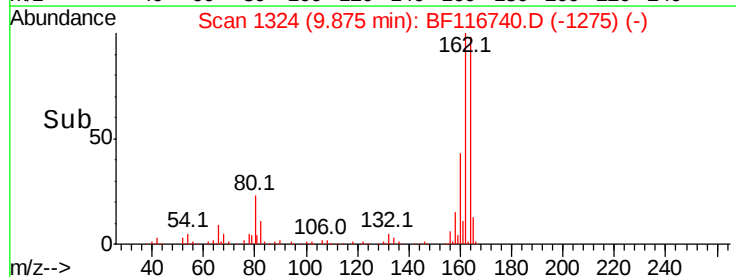
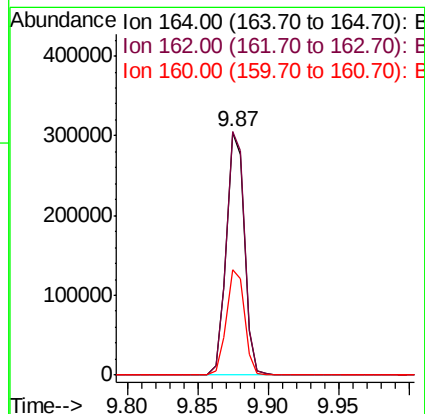
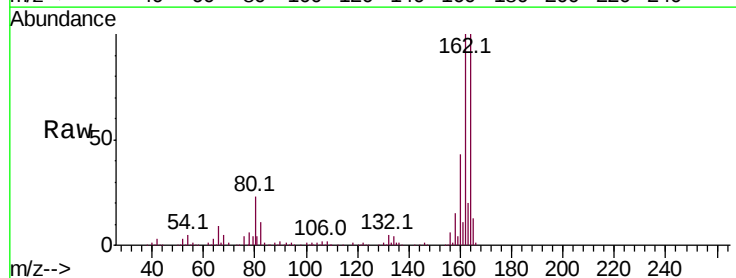
Tgt Ion: 164 Resp: 271536

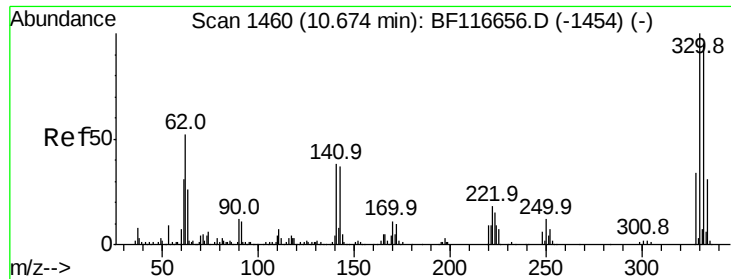
Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

160 43.6 35.4 53.2

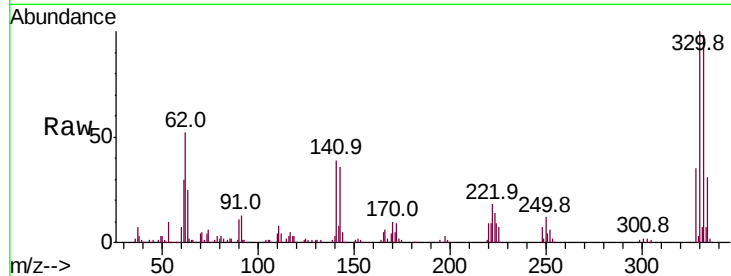




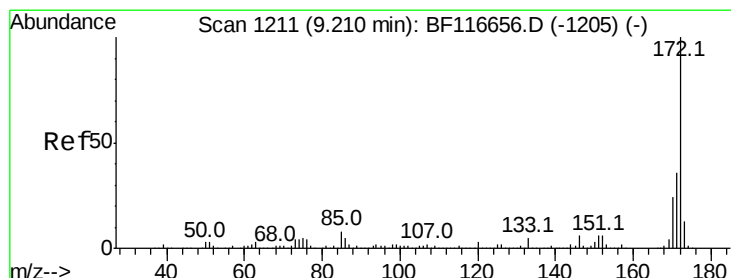
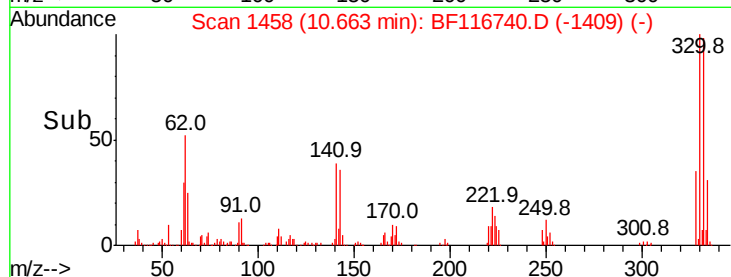
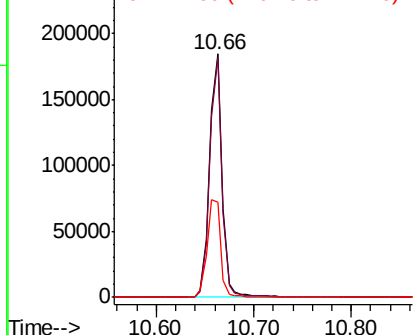
#42
 2,4,6-Tribromophenol
 Concen: 91.837 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	43.3	31.4	47.2

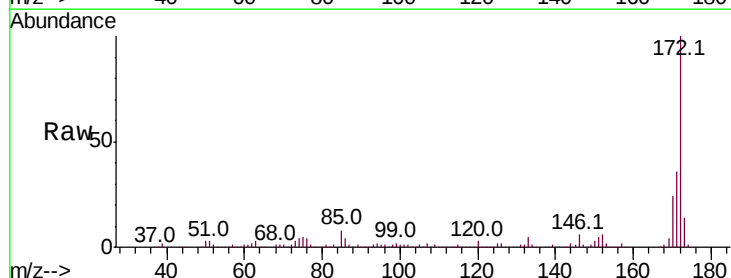


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

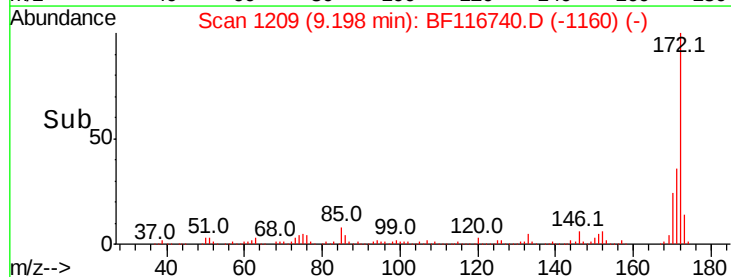
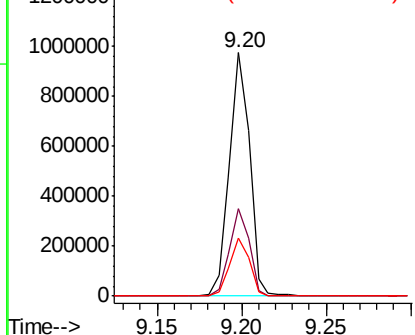


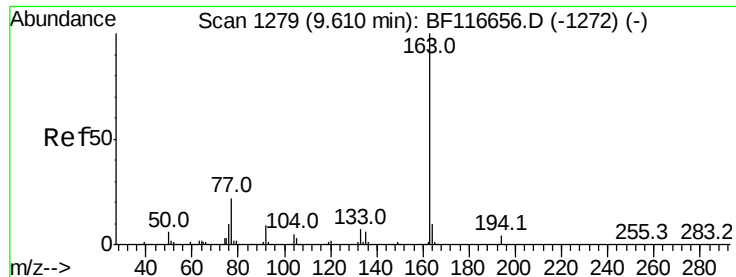
#45
 2-Fluorobiphenyl
 Concen: 50.514 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	23.8	18.9	28.3



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





#50

Dimethylphthalate

Concen: 2.284 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

ClientSampleId :

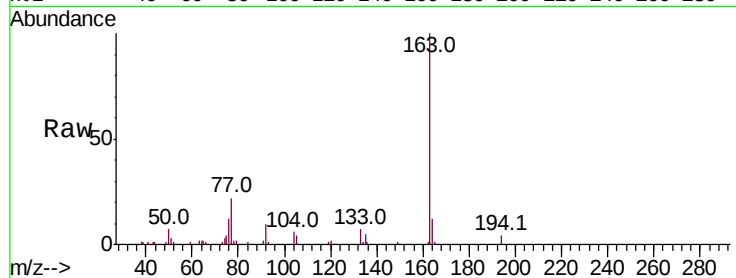
Tot Ion:163 Resp: 42814

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

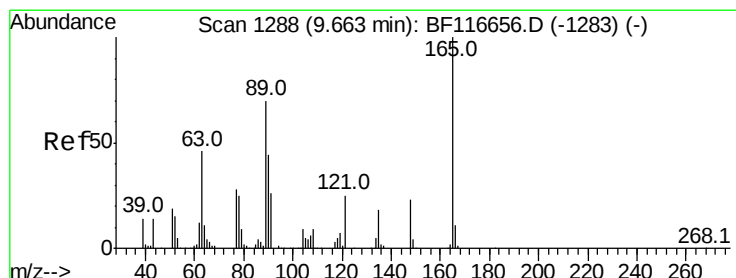
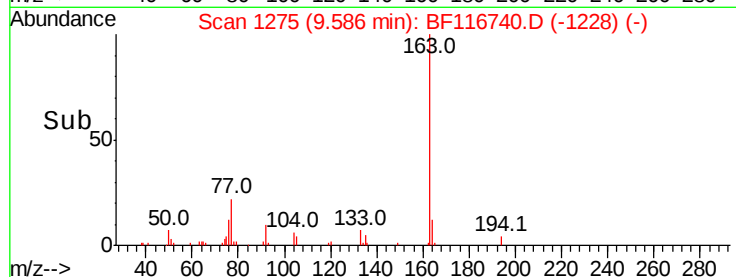
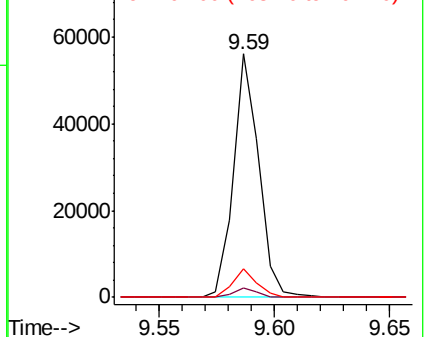
164 11.6 8.6 12.8



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: 9.526 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

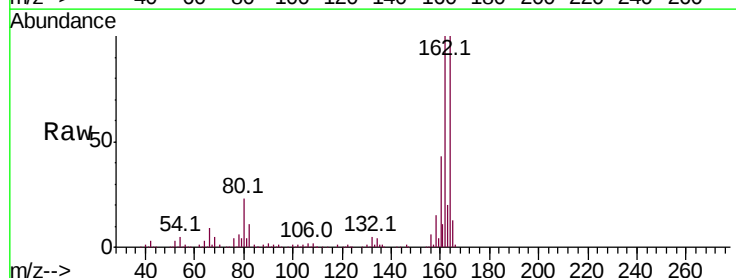
Tgt Ion:165 Resp: 34073

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

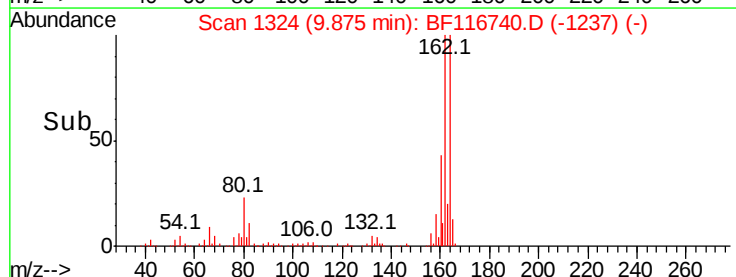
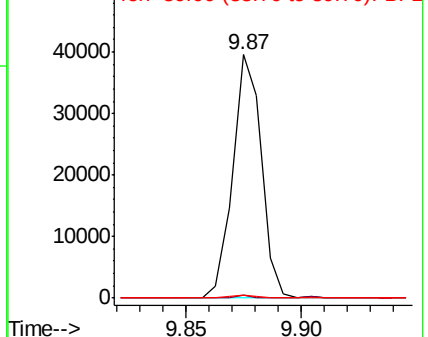
89 1.4 52.5 78.7#

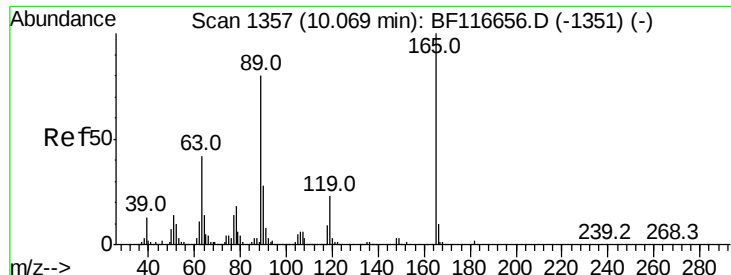


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

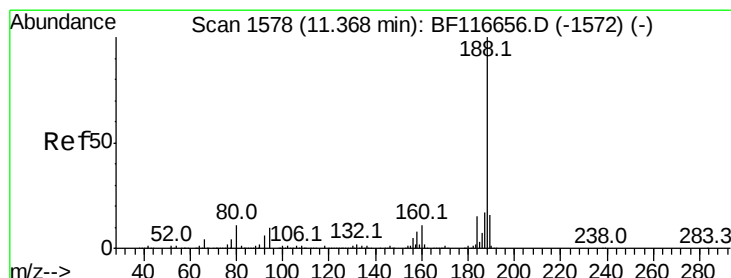
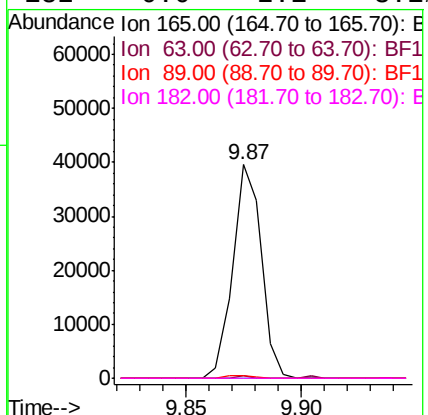
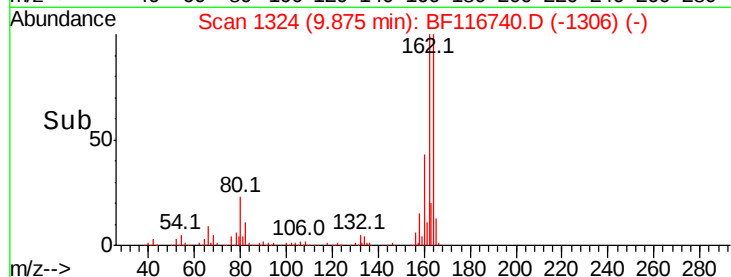
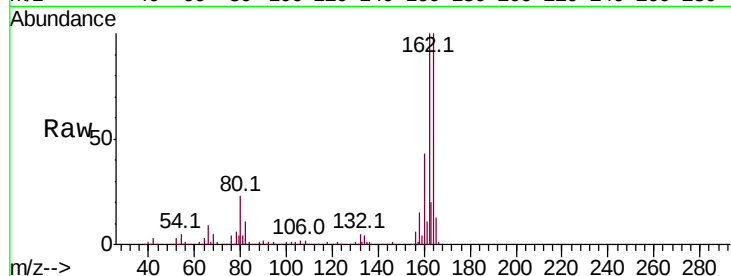




#57
2,4-Dinitrotoluene
Concen: 7.791 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

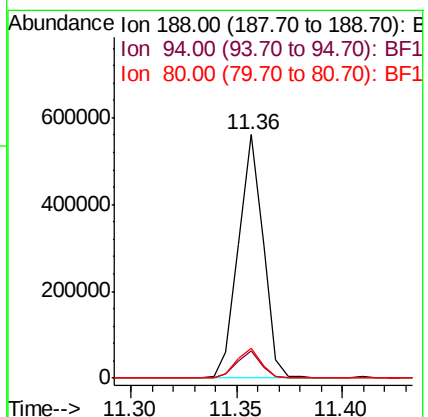
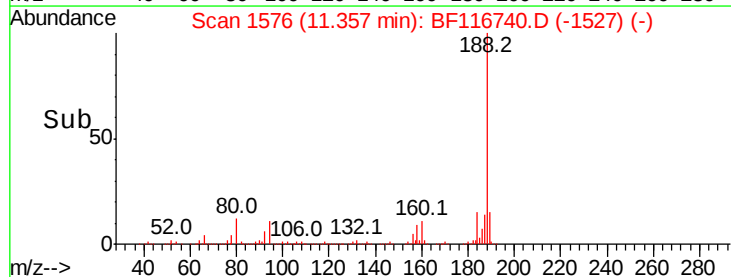
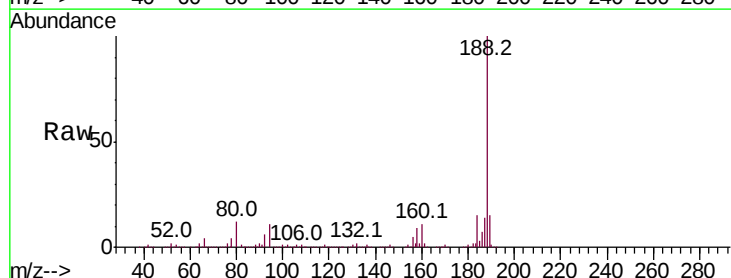
Instrument :
BNA_F
ClientSampleId :

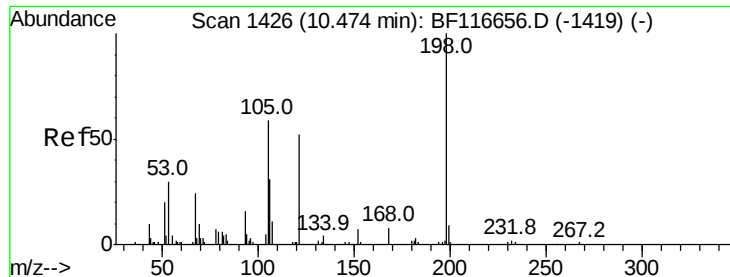
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	62.6	94.0#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.3	10.9#
80	12.1	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.645 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

ClientSampled :

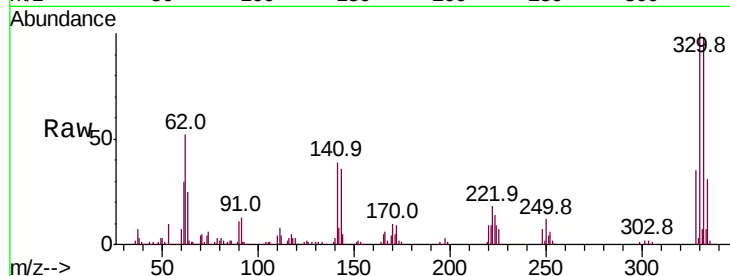
Tot Ion:198 Resp: 387

Ion Ratio Lower Upper

198 100

51 152.0 18.4 58.4#

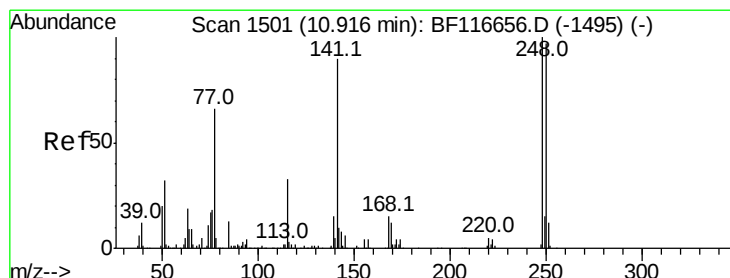
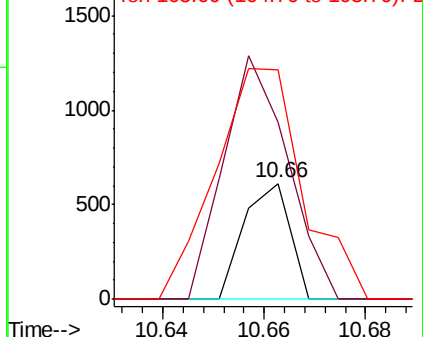
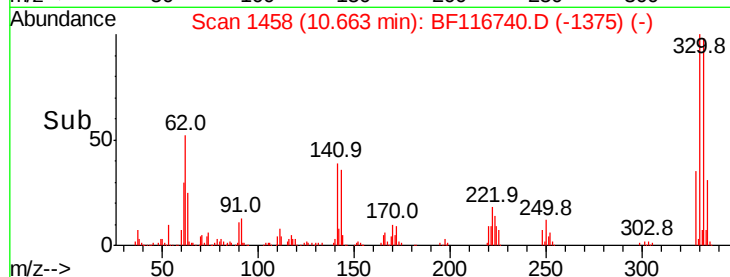
105 197.6 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.414 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

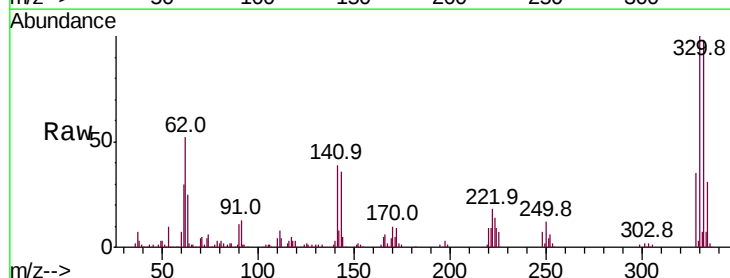
Tgt Ion:248 Resp: 11204

Ion Ratio Lower Upper

248 100

250 176.4 77.8 116.8#

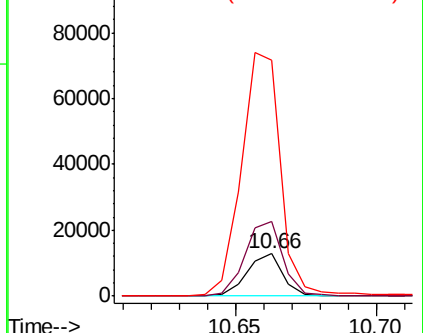
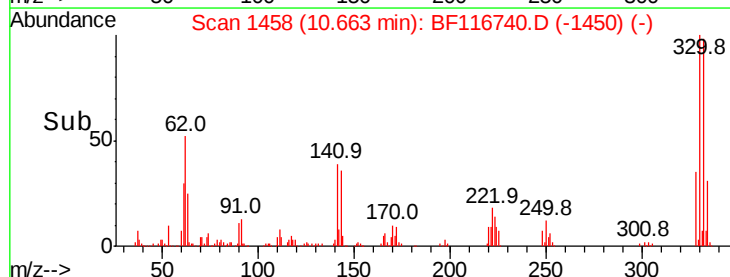
141 559.0 75.9 113.9#

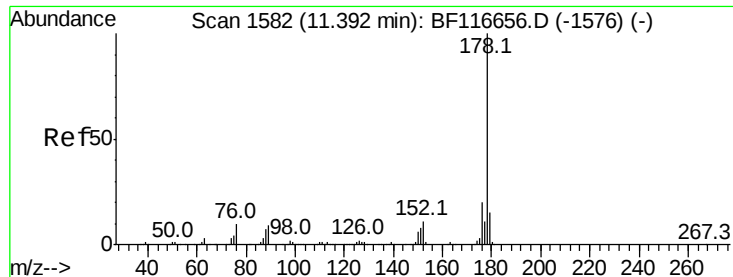


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

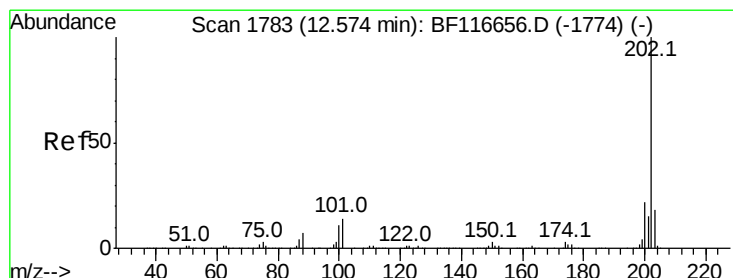
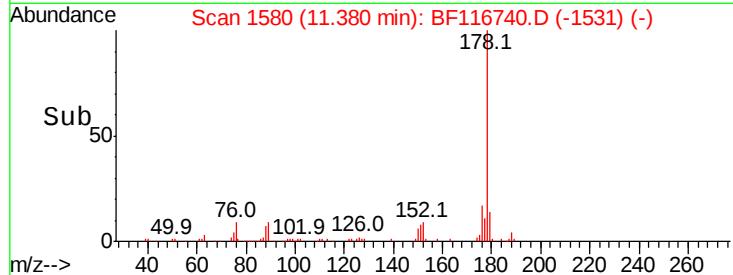
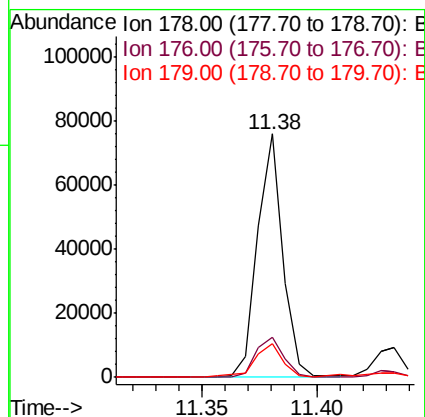
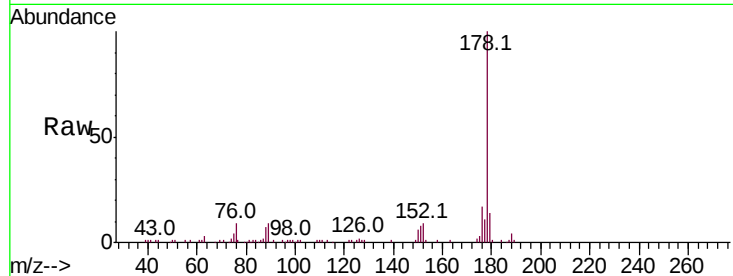




#71
Phenanthrene
Concen: 2.287 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

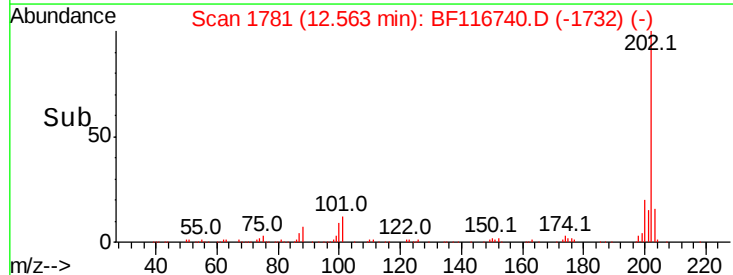
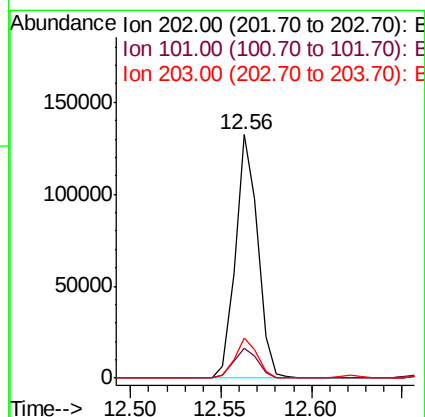
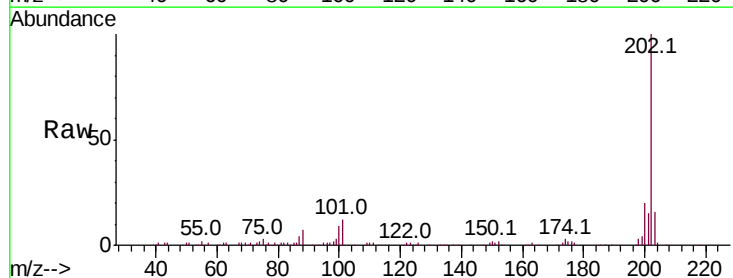
Instrument :
BNA_F
ClientSampleId :

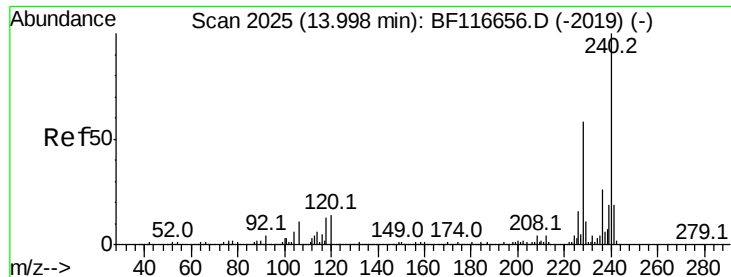
Tot Ion:178 Resp: 58176
Ion Ratio Lower Upper
178 100
176 16.7 15.4 23.0
179 13.7 12.2 18.2



#75
Fluoranthene
Concen: 4.528 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion:202 Resp: 113206
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.3
203 16.4 0.0 37.6

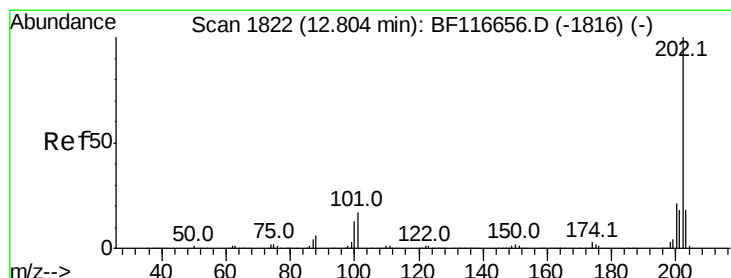
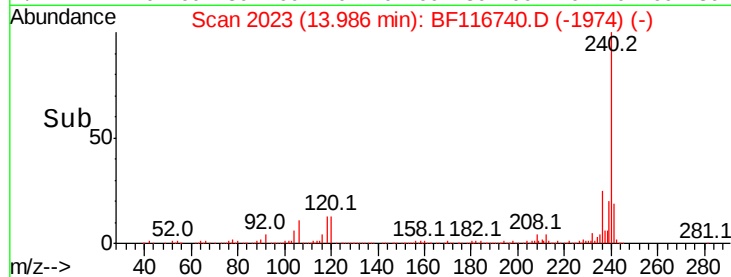
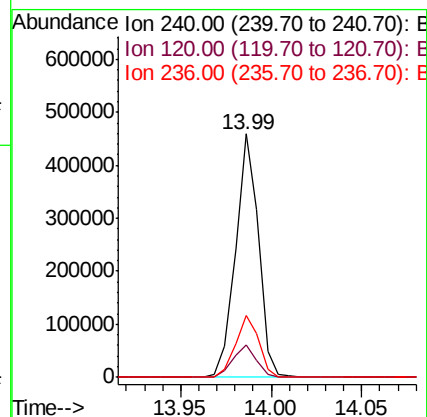
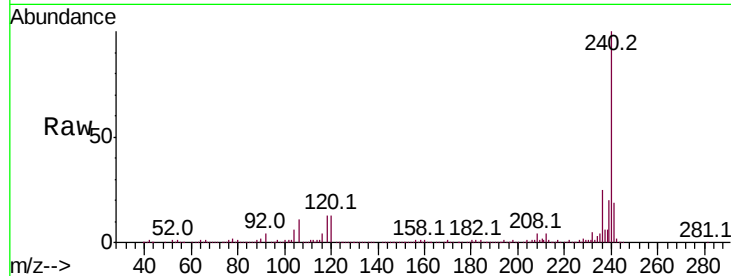




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

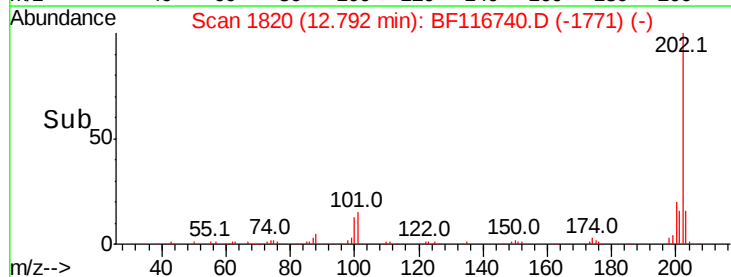
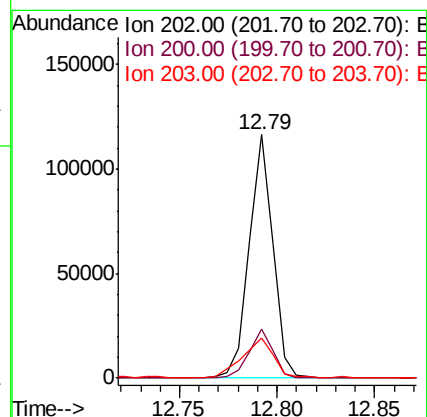
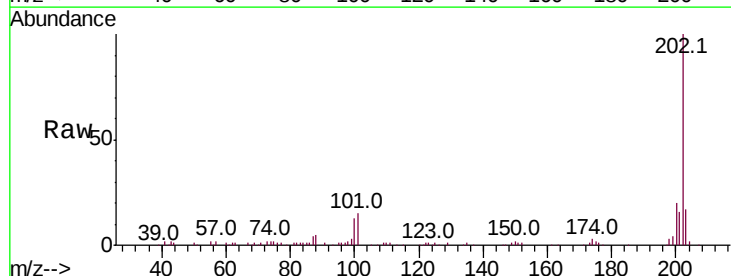
Instrument :
BNA_F
ClientSampleId :

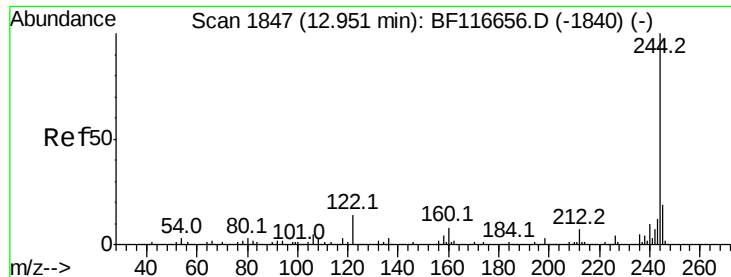
Tot Ion:240 Resp: 403153
Ion Ratio Lower Upper
240 100
120 13.4 9.1 13.7
236 25.3 21.1 31.7



#78
Pyrene
Concen: 2.745 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion:202 Resp: 98362
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 16.6 13.7 20.5





#79

Terphenyl-d14

Concen: 43.946 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

ClientSampled :

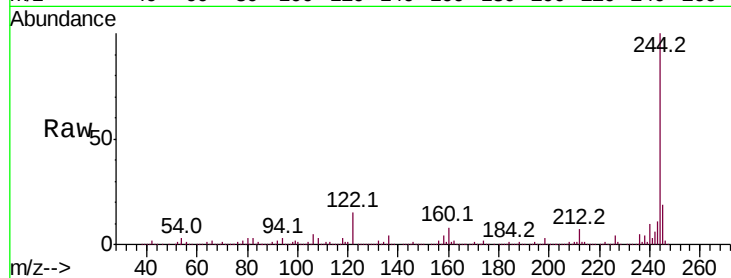
Tot Ion:244 Resp: 957713

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

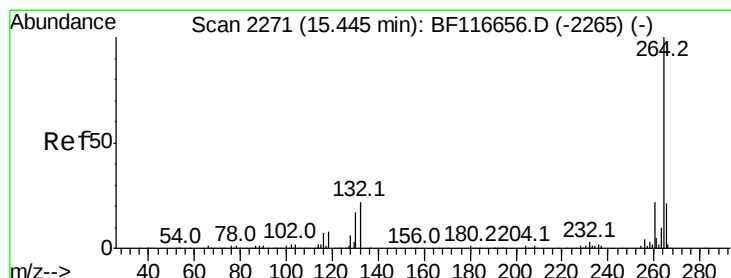
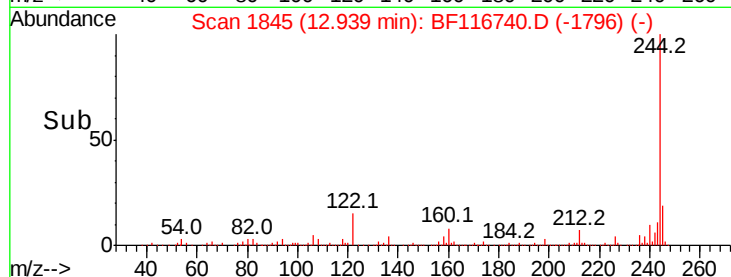
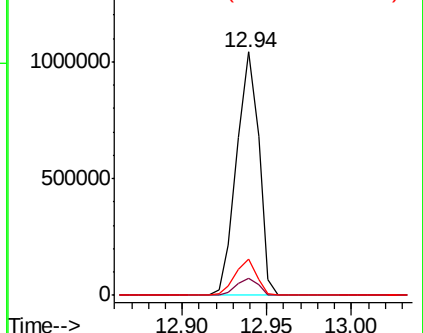
122 15.1 10.2 15.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

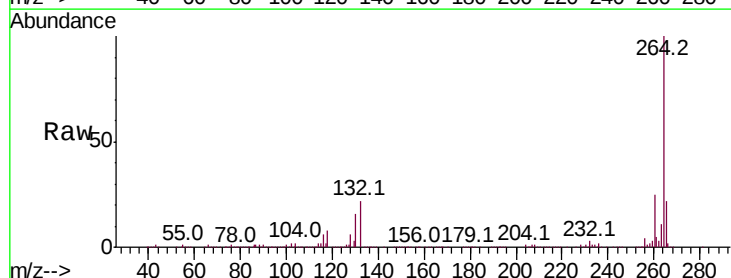
Tgt Ion:264 Resp: 432758

Ion Ratio Lower Upper

264 100

260 24.8 18.3 27.5

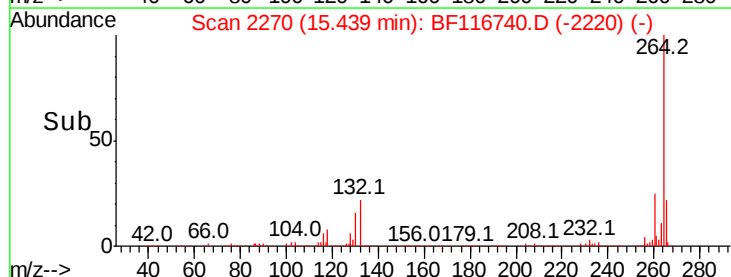
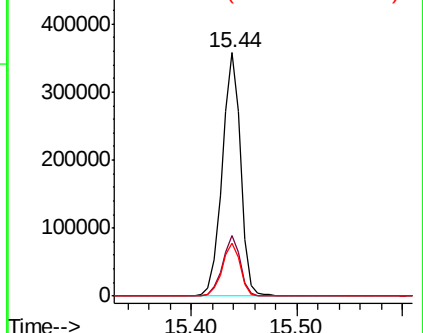
265 21.9 16.5 24.7

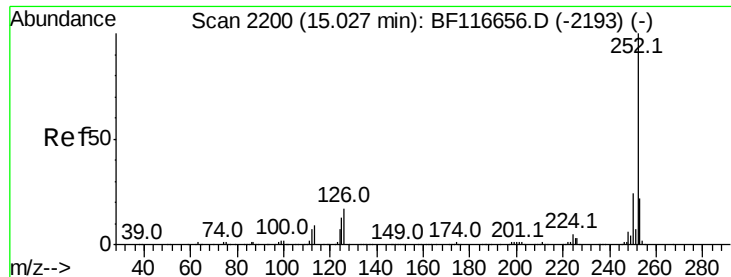


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

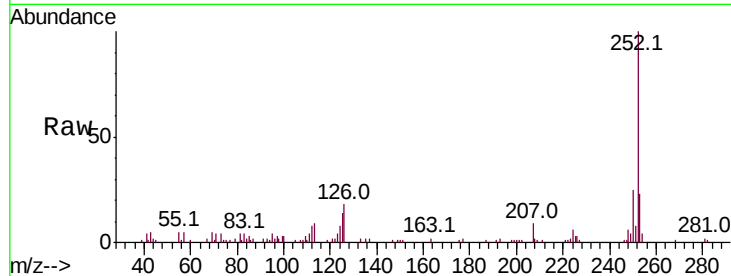




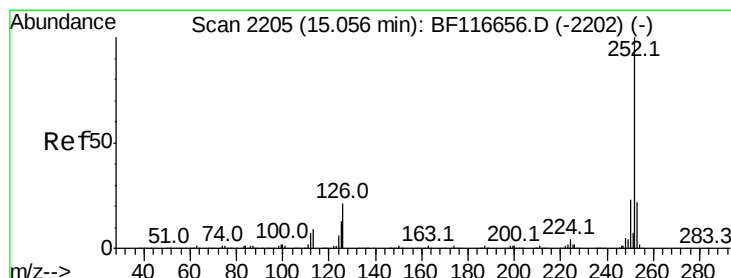
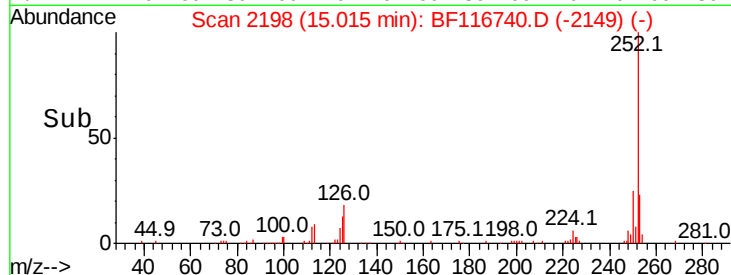
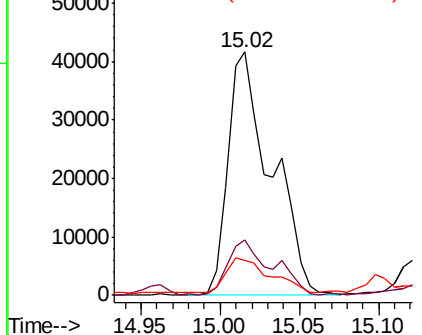
#88
Benzo(b)fluoranthene
Concen: 3.017 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 78946
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 14.3 8.2 12.2#

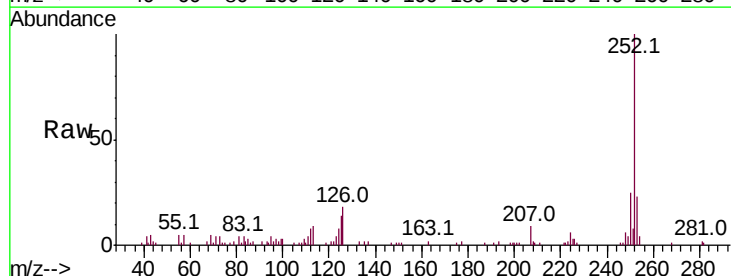


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.309 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion:252 Resp: 78946
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 14.3 8.6 13.0#



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

