

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116845.D
 Acq On : 5 Sep 2019 18:28
 Operator : HP/JU
 Sample : K4694-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:56:00 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	90496	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	377363	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	192894	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	299243	20.00	ng	0.00
76) Chrysene-d12	14.00	240	213573	20.00	ng	0.00
87) Perylene-d12	15.46	264	170467	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	363990	65.16	ng	0.00
7) Phenol-d6	6.48	99	503504	68.64	ng	0.00
23) Nitrobenzene-d5	7.40	82	304201	46.02	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	101996	79.10	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	547320	47.86	ng	-0.01
79) Terphenyl-d14	12.94	244	465952	40.36	ng	0.00

Target Compounds

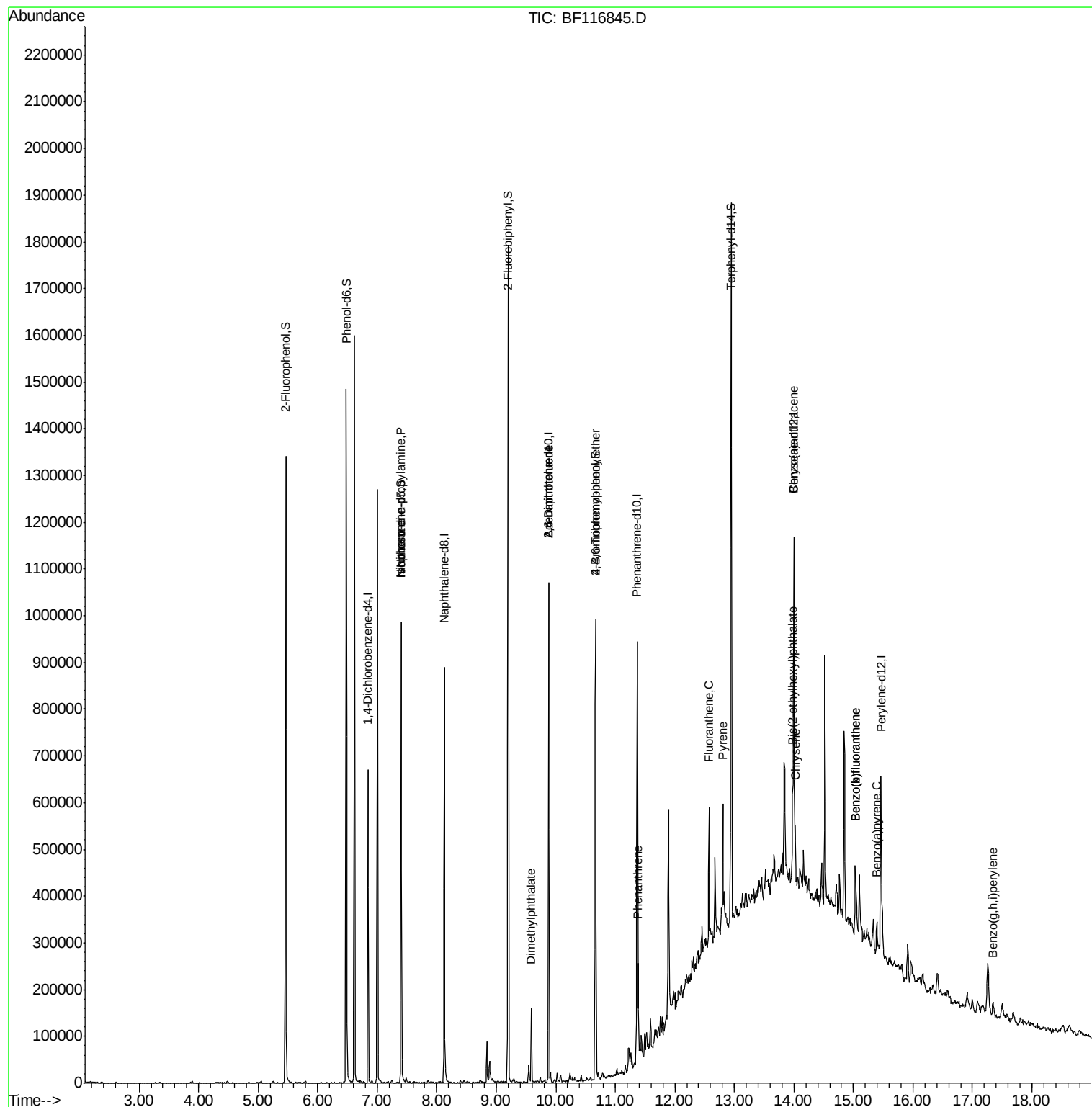
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	40772	8.442	ng	# 73
25) Isophorone	7.40	82	304197	22.710	ng	# 66
50) Dimethylphthalate	9.59	163	63771	4.789	ng	97
51) 2,6-Dinitrotoluene	9.88	165	24410	9.607	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	24410	7.857	ng	# 21
67) 4-Bromophenyl-phenylether	10.67	248	6494	2.136	ng	# 1
71) Phenanthrene	11.39	178	63670	3.822	ng	99
75) Fluoranthene	12.57	202	112682	6.883	ng	98
78) Pyrene	12.80	202	98117	5.168	ng	98
81) Benzo(a)anthracene	13.99	228	47348	3.503	ng	93
83) Chrysene	14.03	228	50450	3.623	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	47679	4.184	ng	99
88) Benzo(b)fluoranthene	15.03	252	79750	7.738	ng	# 91
89) Benzo(k)fluoranthene	15.03	252	79750	8.487	ng	# 91
90) Benzo(a)pyrene	15.40	252	30642	3.417	ng	# 93
92) Benzo(g,h,i)perylene	17.34	276	20521	2.564	ng	# 91

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

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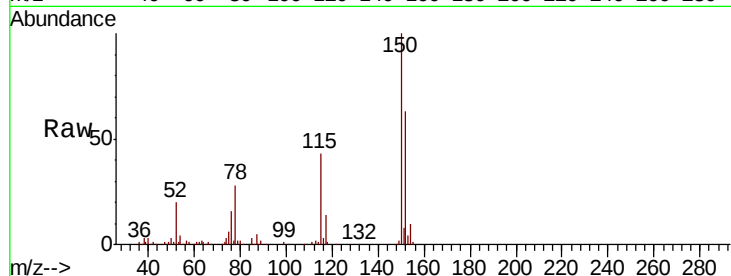


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.4	186.6
115	67.2	49.9	74.9

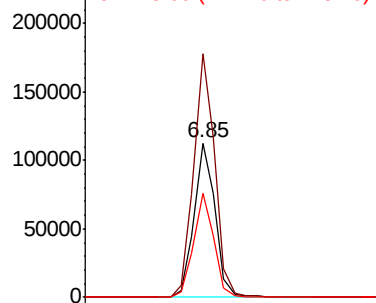


Abundance

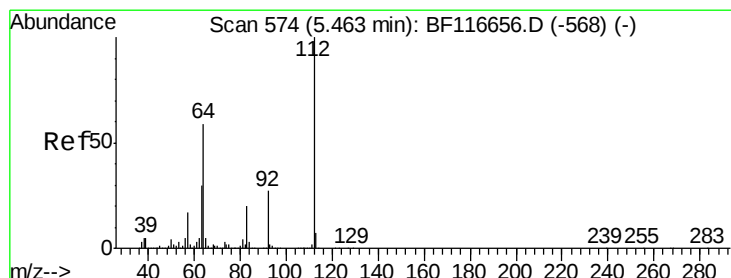
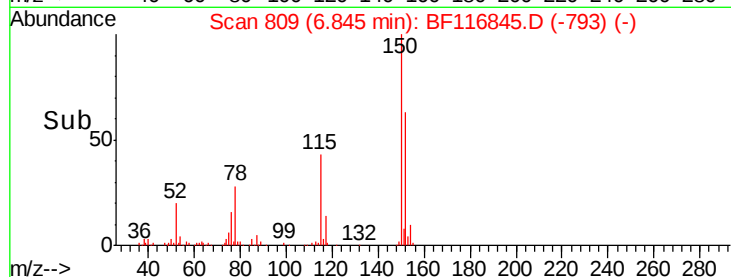
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



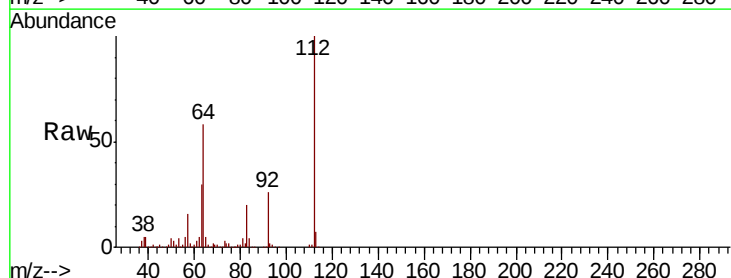
Time-->



#5

2-Fluorophenol
Concen: 65.161 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	29.8	24.9	37.3

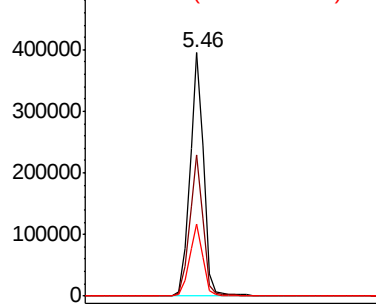


Abundance

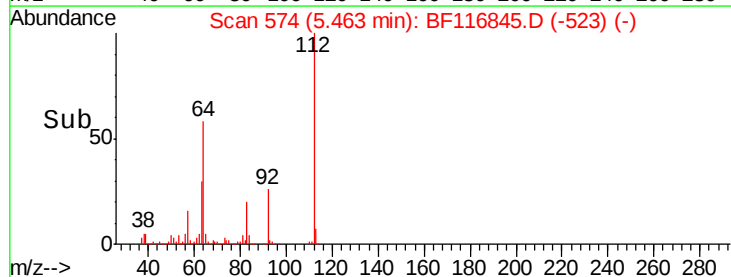
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 68.644 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

ClientSampleId :

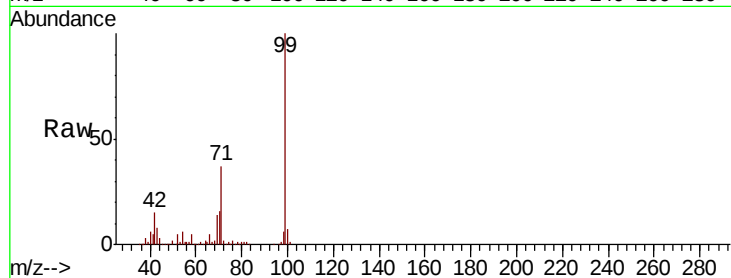
Tot Ion: 99 Resp: 503504

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

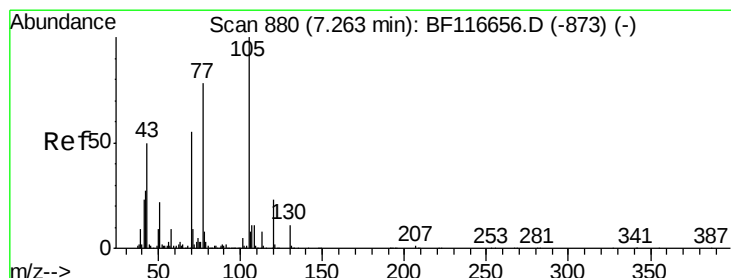
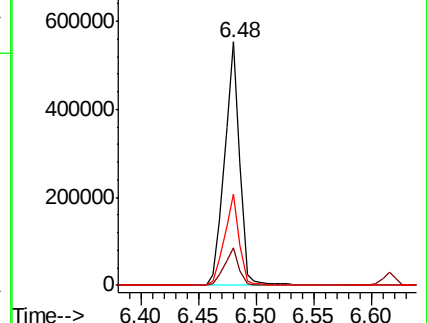
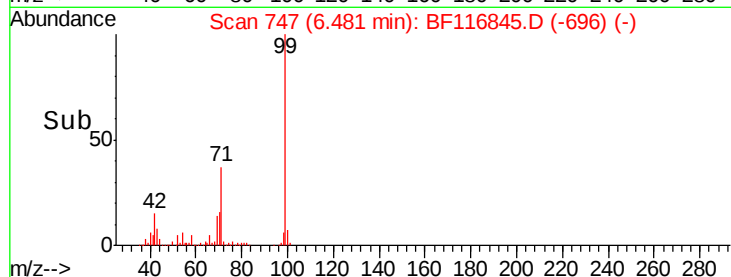
71 37.3 30.8 46.2



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: 8.442 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Tgt Ion: 70 Resp: 40772

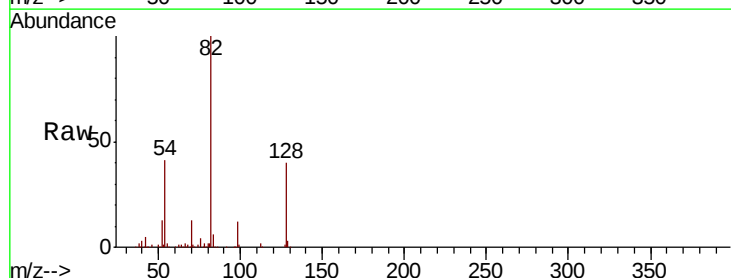
Ion Ratio Lower Upper

70 100

42 38.8 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

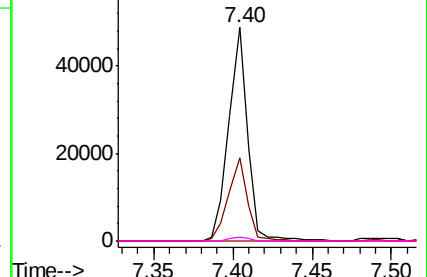
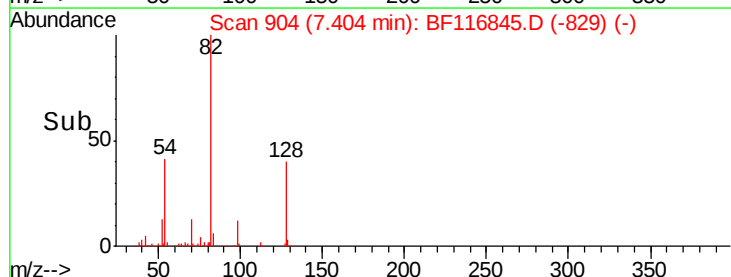


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 377363

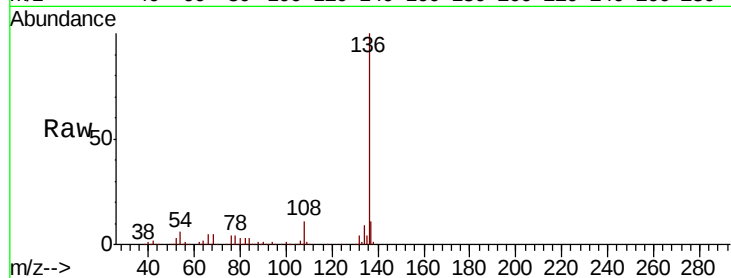
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 5.7 4.8 7.2

68 5.2 4.0 6.0

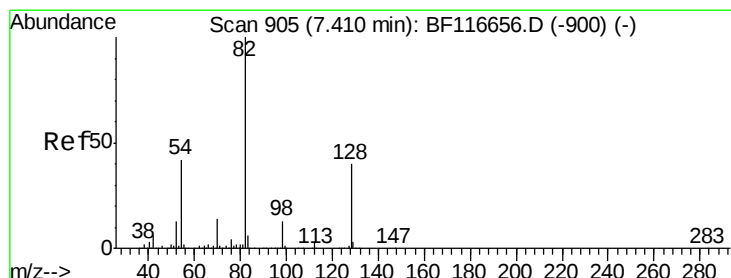
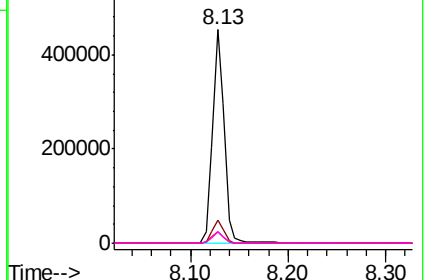
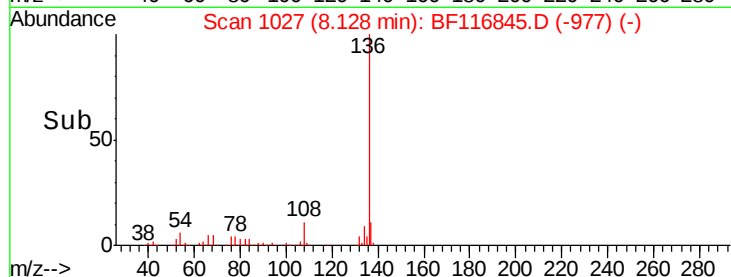


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.019 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

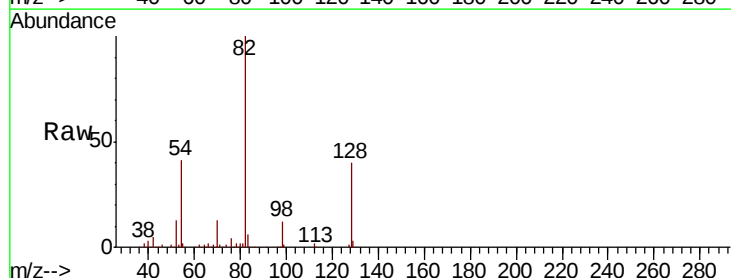
Tgt Ion: 82 Resp: 304201

Ion Ratio Lower Upper

82 100

128 40.4 32.8 49.2

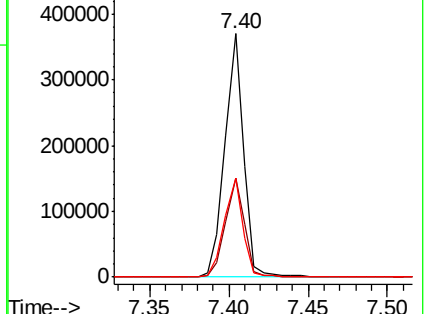
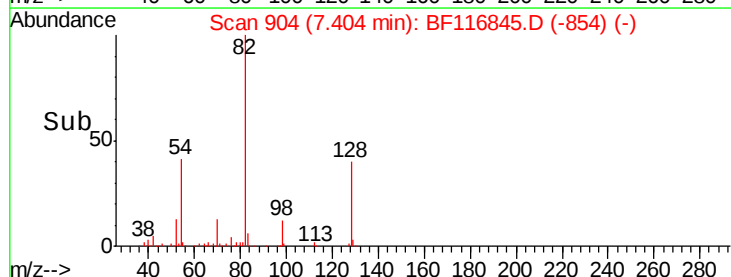
54 40.5 36.9 55.3

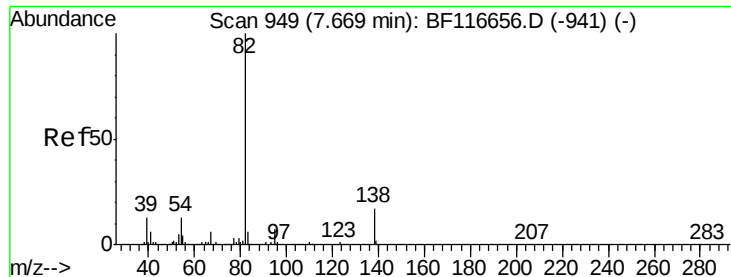


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 22.710 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

ClientSampleId :

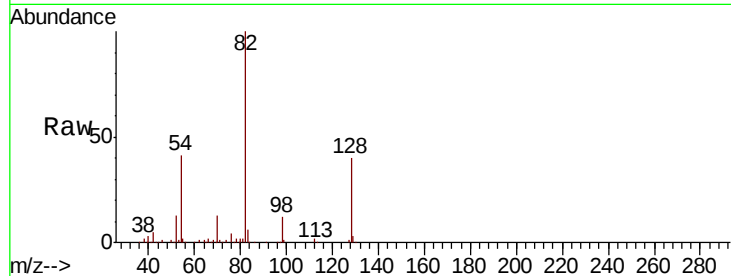
Tot Ion: 82 Resp: 304197

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

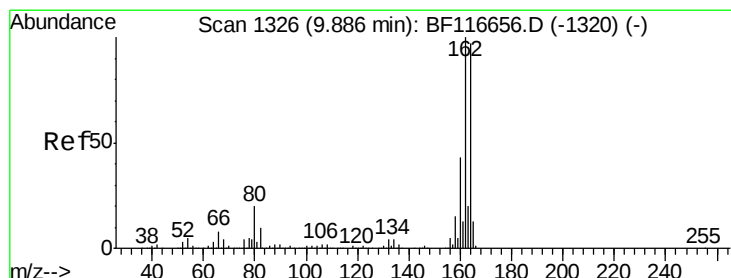
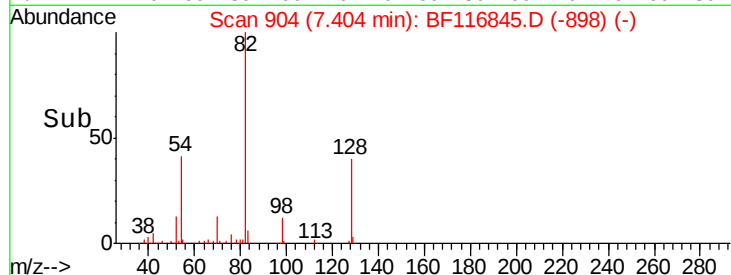
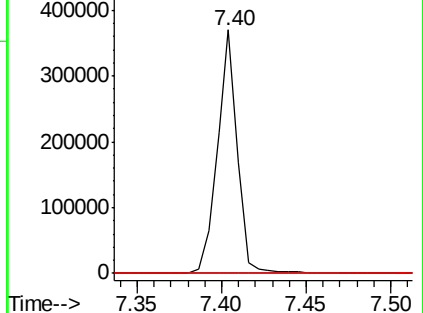
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

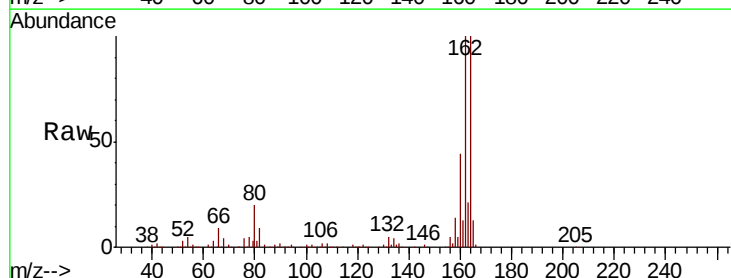
Tgt Ion:164 Resp: 192894

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.0

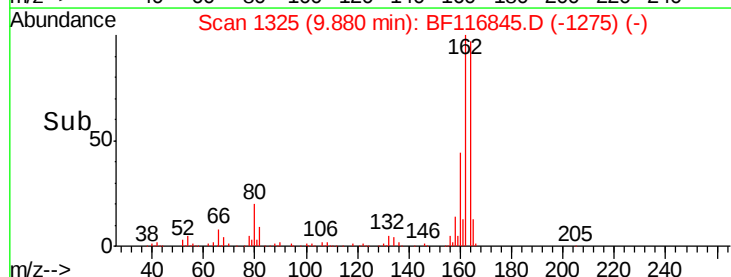
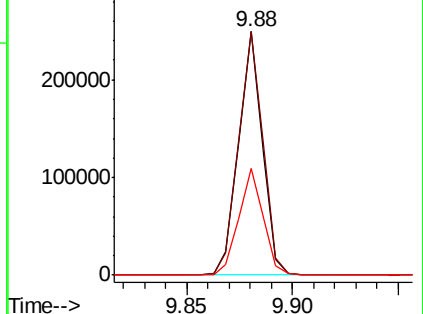
160 43.9 35.4 53.2

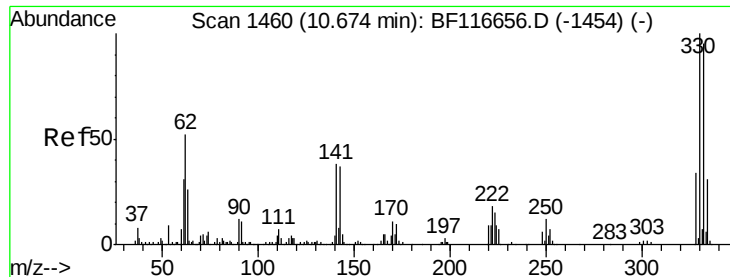


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 79.095 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116845.D

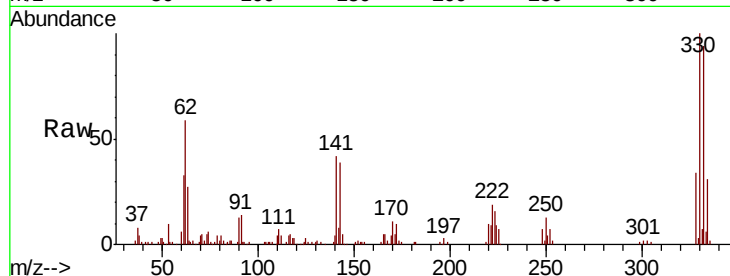
Acq: 5 Sep 2019 18:28

Instrument :

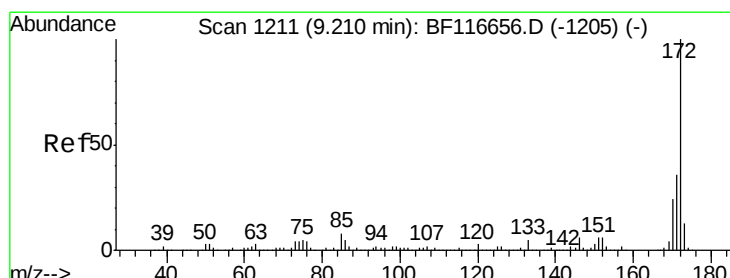
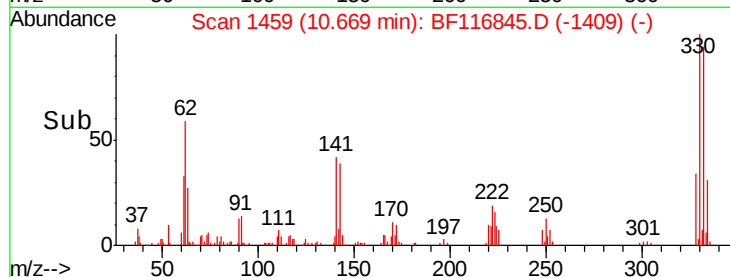
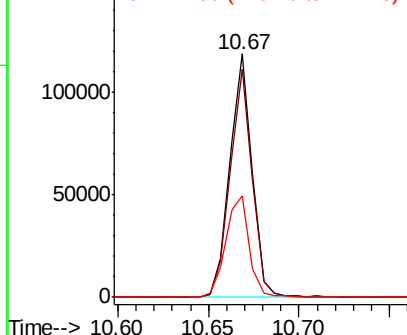
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	101996
Ion	Ratio	Lower	Upper
330	100		
332	93.2	76.9	115.3
141	44.1	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: 47.864 ng

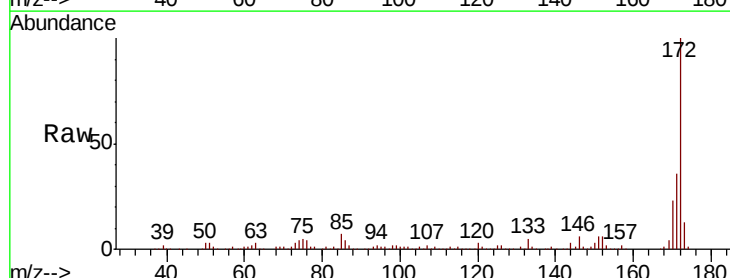
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

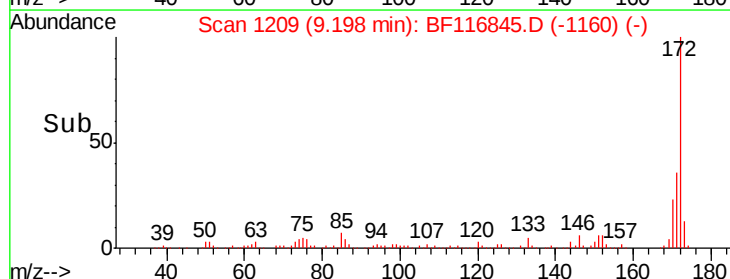
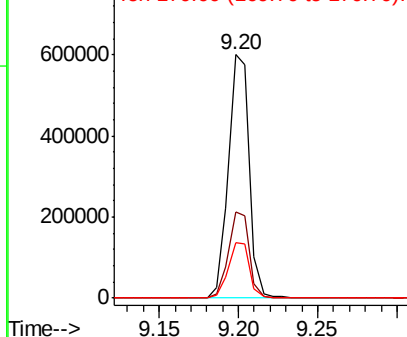
Lab File: BF116845.D

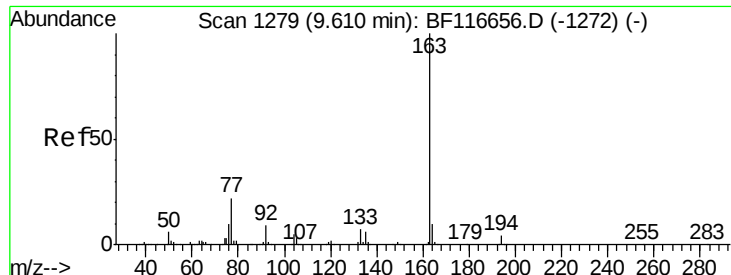
Acq: 5 Sep 2019 18:28

Tgt Ion:	172	Resp:	547320
Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	22.7	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

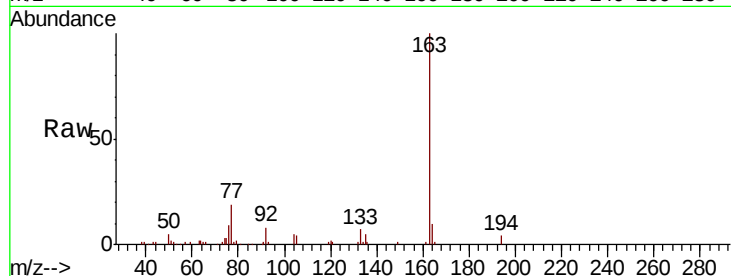




#50
Dimethylphthalate
Concen: 4.789 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	9.6	8.6	12.8

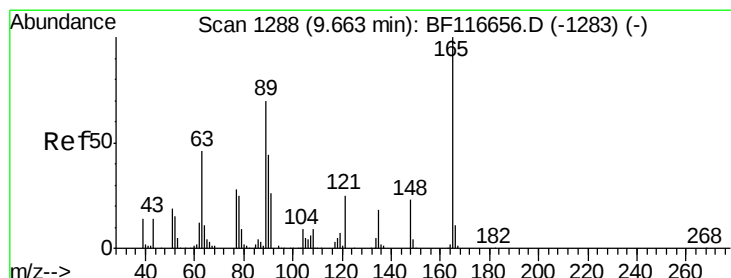
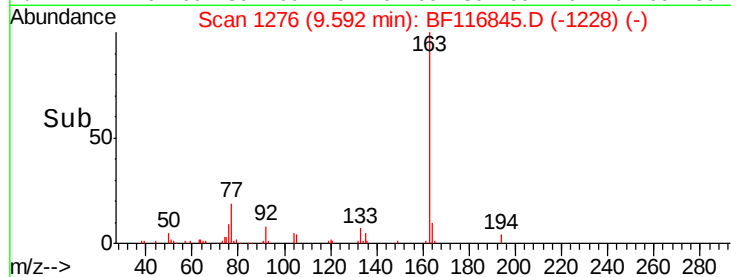
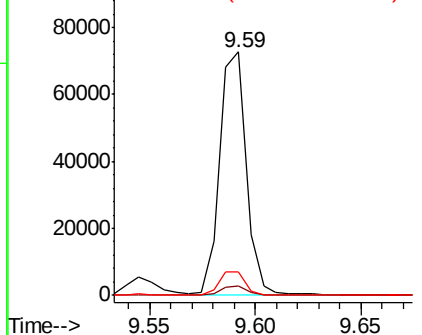


Abundance

Ion 163.00 (162.70 to 163.70): E

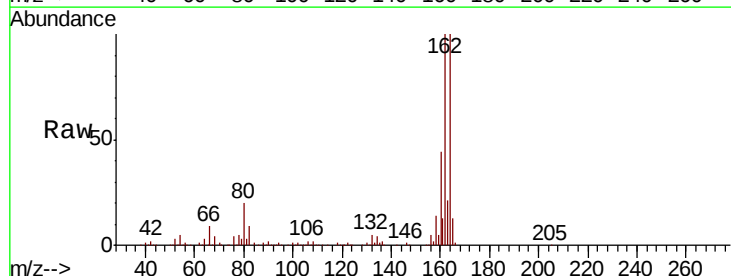
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.607 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	47.3	70.9#
89	1.5	52.5	78.7#

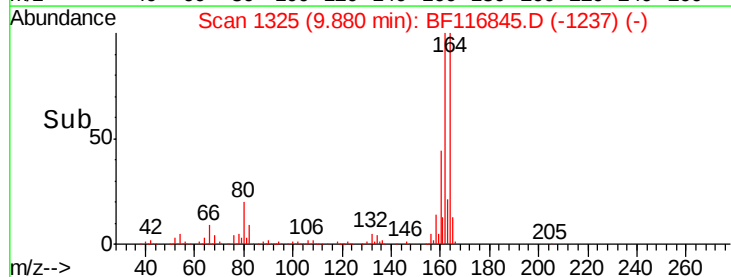
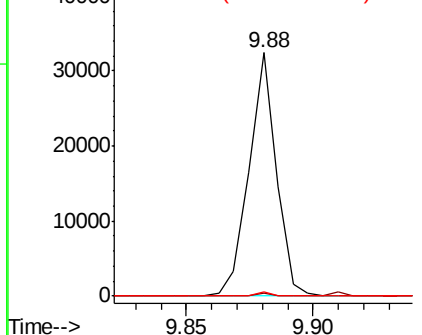


Abundance

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

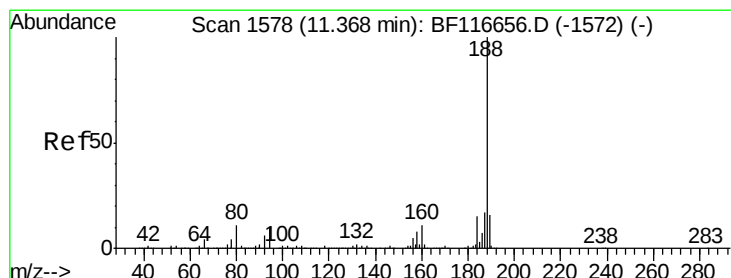
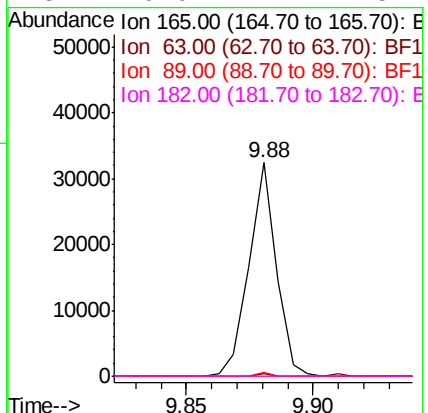
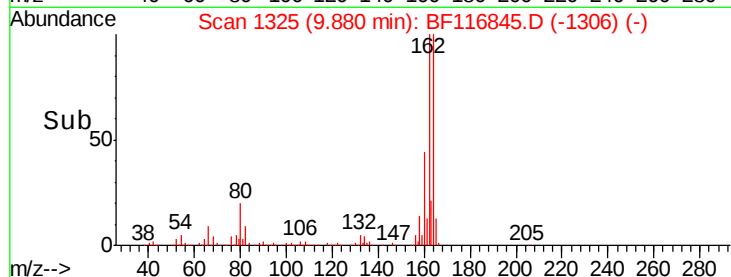
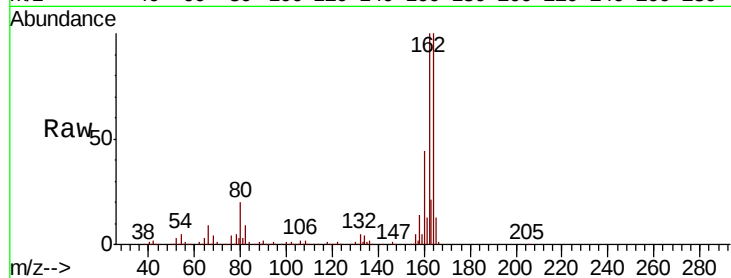




#57
 2,4-Dinitrotoluene
 Concen: 7.857 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116845.D
 Acq: 5 Sep 2019 18:28

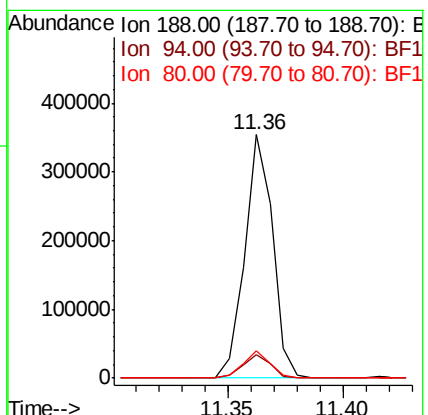
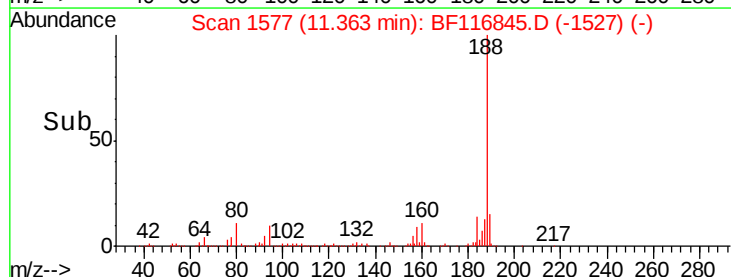
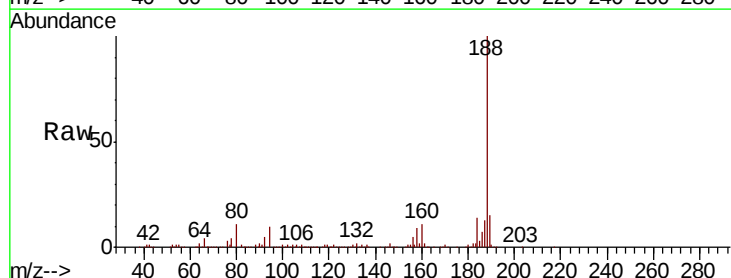
Instrument :
 BNA_F
 ClientSampleId :

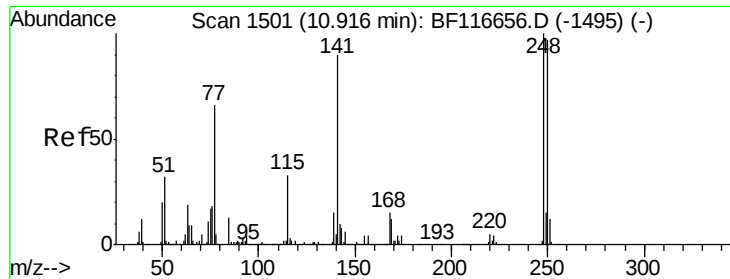
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.5	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116845.D
 Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.3	10.9
80	11.3	8.4	12.6

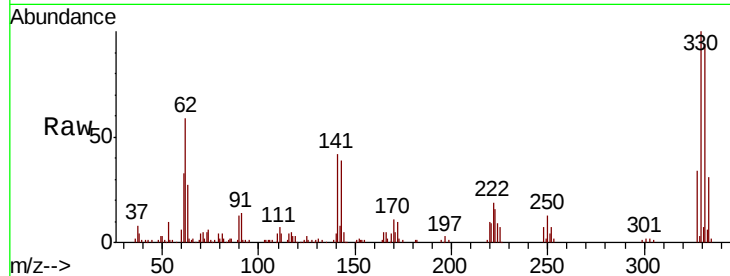




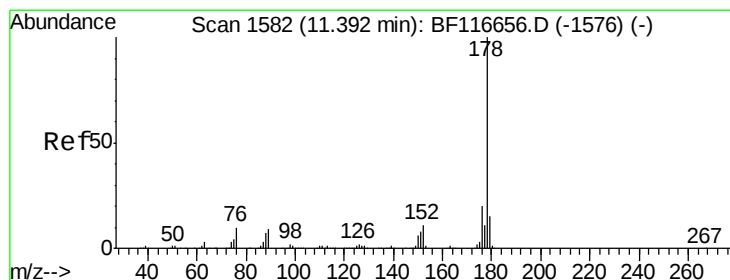
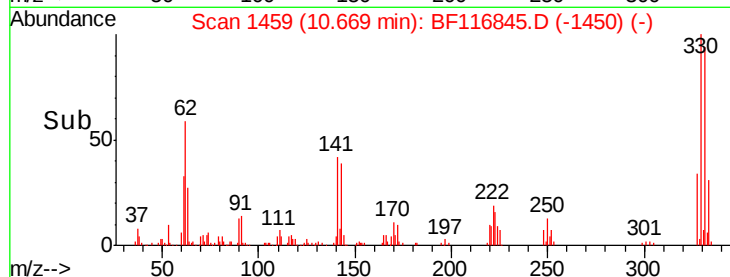
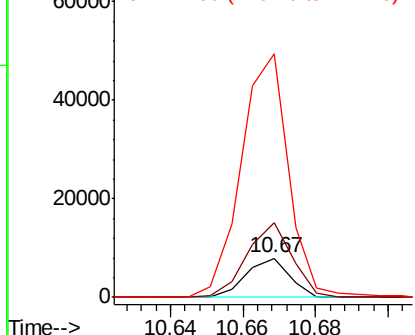
#67
 4-Bromophenyl-phenylether
 Concen: 2.136 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116845.D
 Acq: 5 Sep 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6494
 Ion Ratio Lower Upper
 248 100
 250 190.5 77.8 116.8#
 141 621.5 75.9 113.9#

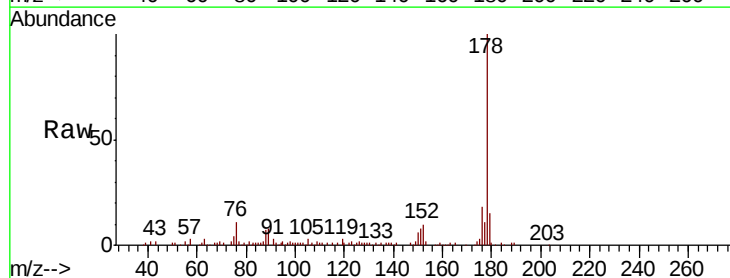


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

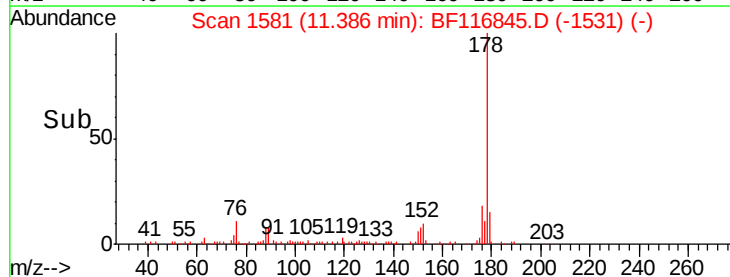
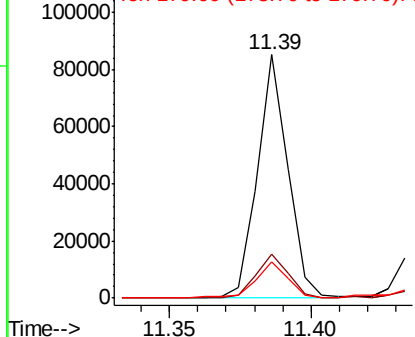


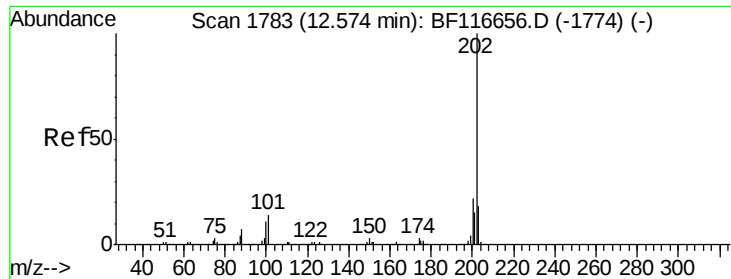
#71
 Phenanthrene
 Concen: 3.822 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116845.D
 Acq: 5 Sep 2019 18:28

Tgt Ion:178 Resp: 63670
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 15.0 12.2 18.2



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: 6.883 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

ClientSampleId :

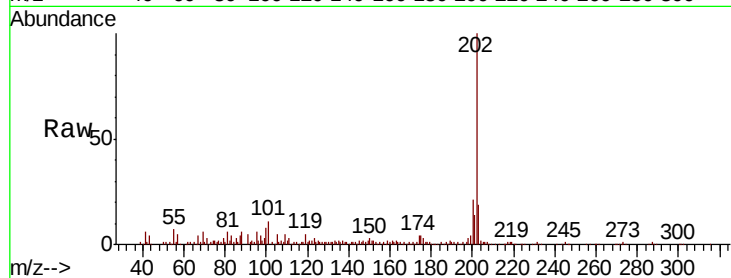
Tot Ion:202 Resp: 112682

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.3

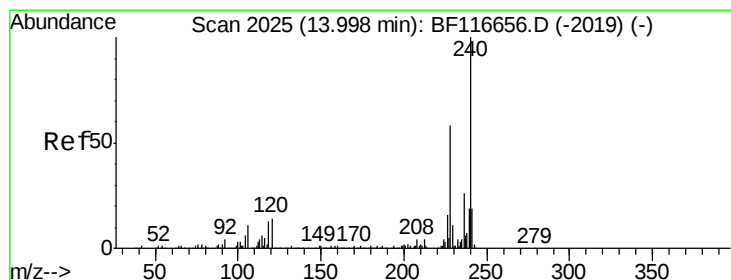
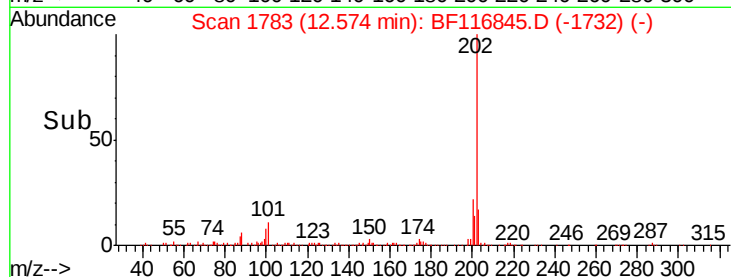
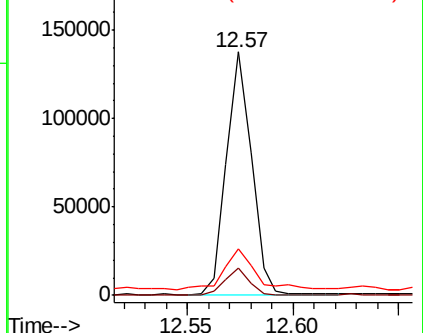
203 19.0 0.0 37.6



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: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

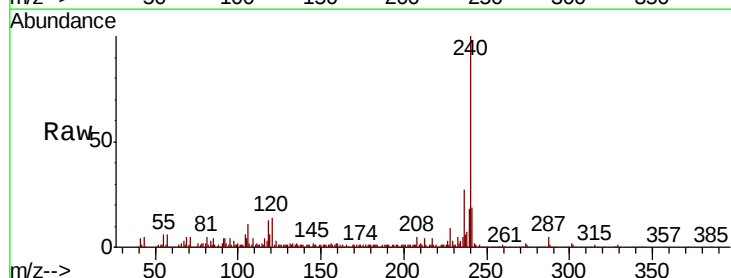
Tgt Ion:240 Resp: 213573

Ion Ratio Lower Upper

240 100

120 13.7 9.1 13.7#

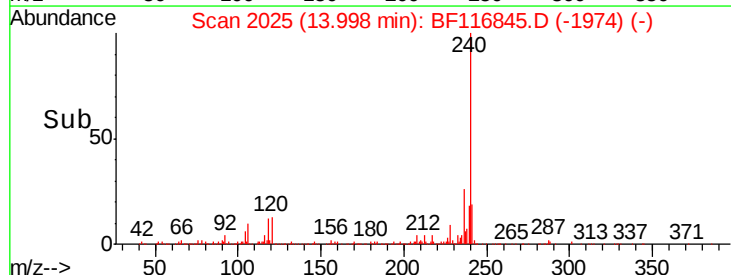
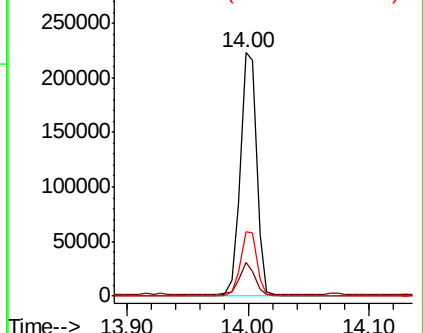
236 26.5 21.1 31.7

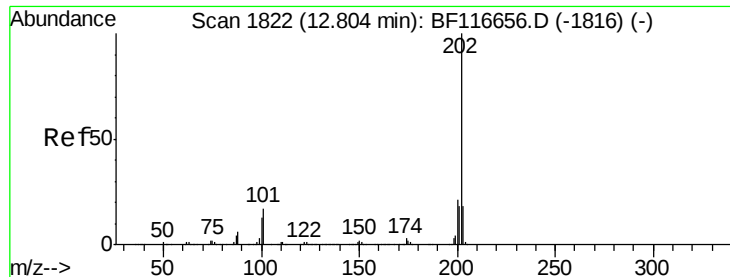


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

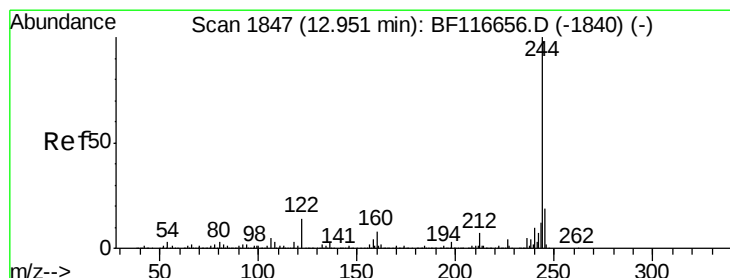
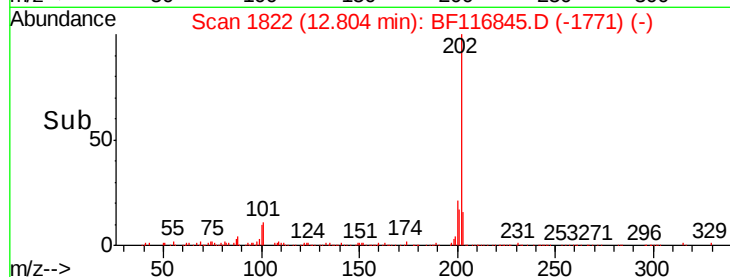
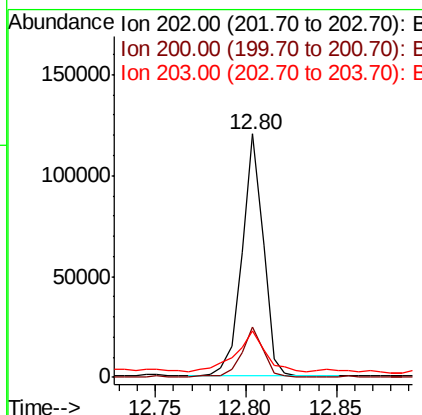
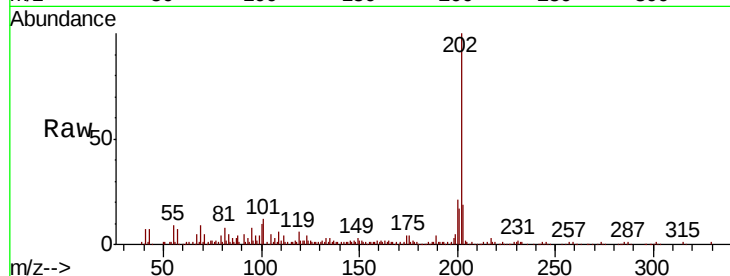




#78
Pvrene
Concen: 5.168 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

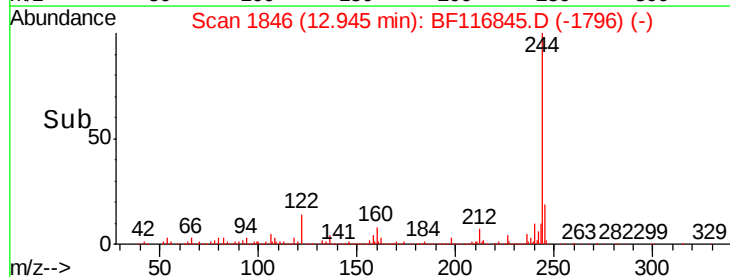
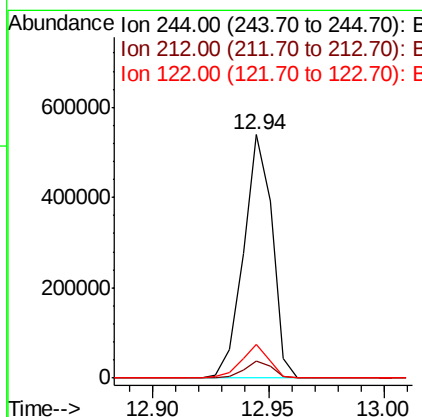
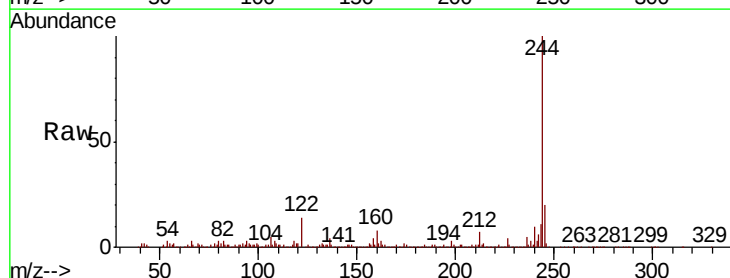
Instrument :
BNA_F
ClientSampleId :

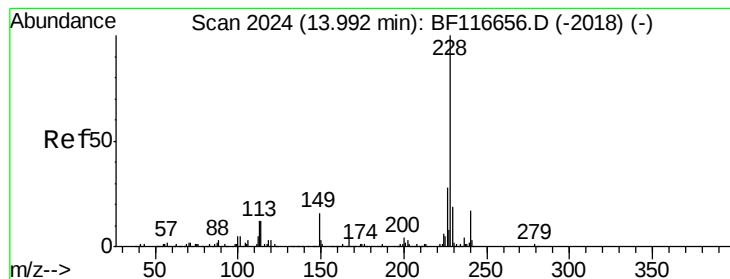
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	18.9	13.7	20.5



#79
Terphenyl-d14
Concen: 40.360 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	13.9	10.2	15.4





#81

Benzo(a)anthracene

Concen: 3.503 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

ClientSampleId :

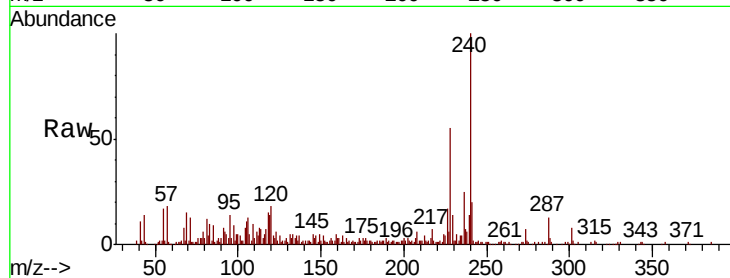
Tot Ion:228 Resp: 47348

Ion Ratio Lower Upper

228 100

226 30.5 22.0 33.0

229 24.5 16.4 24.6

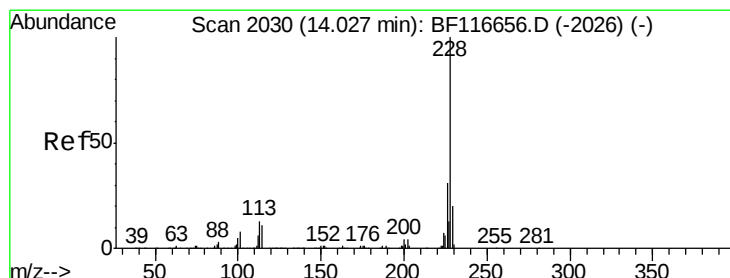
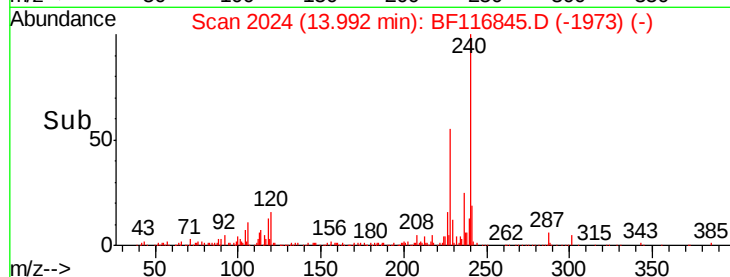
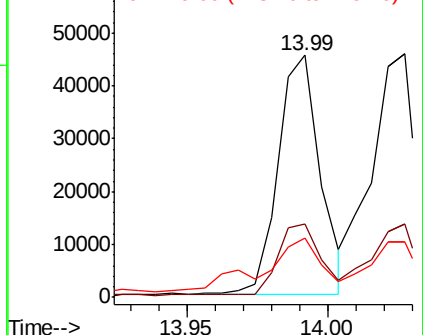


Abundance

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: 3.623 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

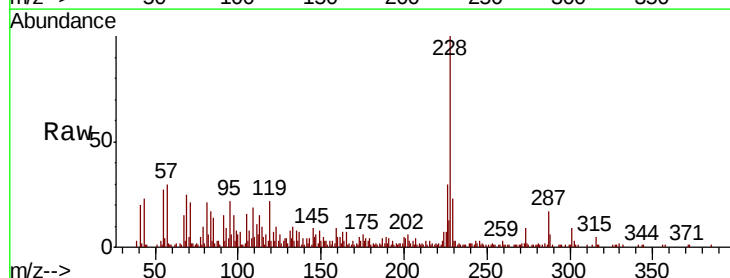
Tgt Ion:228 Resp: 50450

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 22.8 15.4 23.0

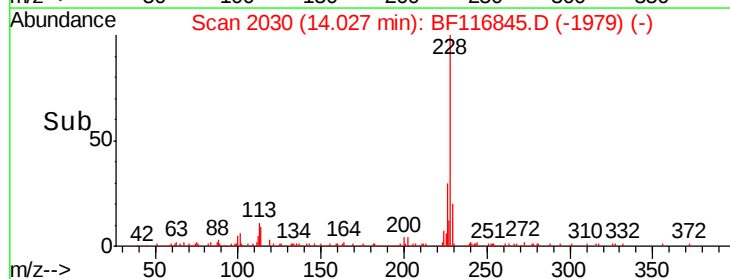
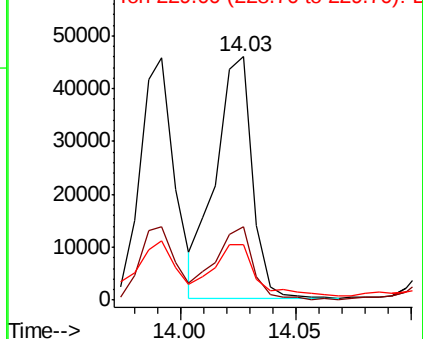


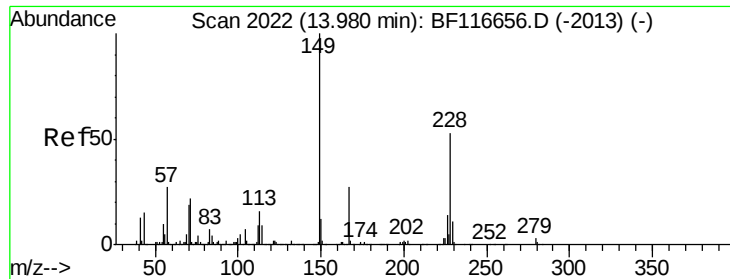
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.184 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

ClientSampleId :

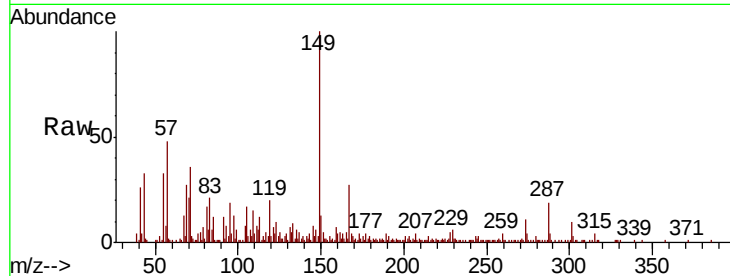
Tot Ion:149 Resp: 47679

Ion Ratio Lower Upper

149 100

167 26.7 21.0 31.4

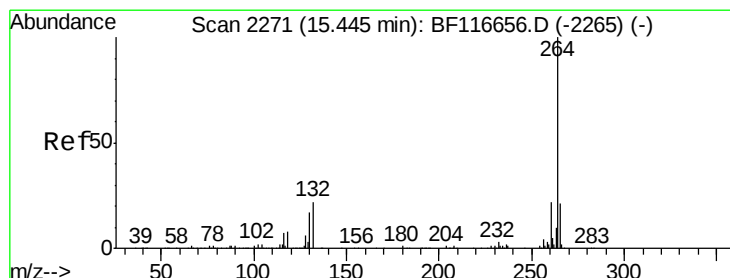
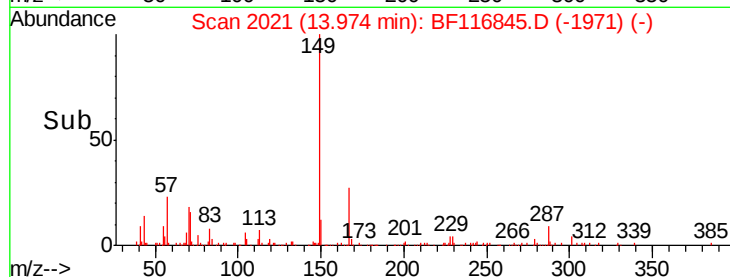
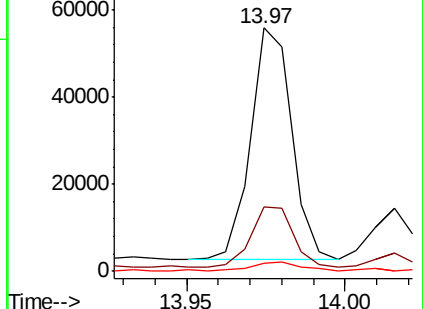
279 3.5 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

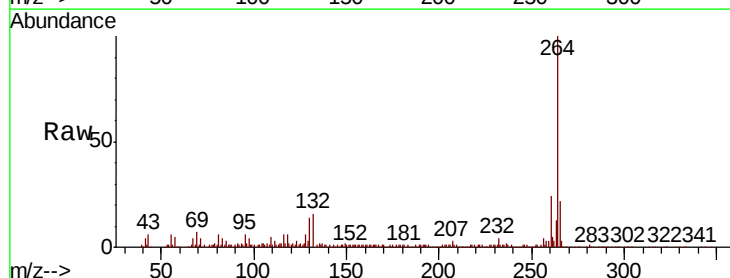
Tgt Ion:264 Resp: 170467

Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

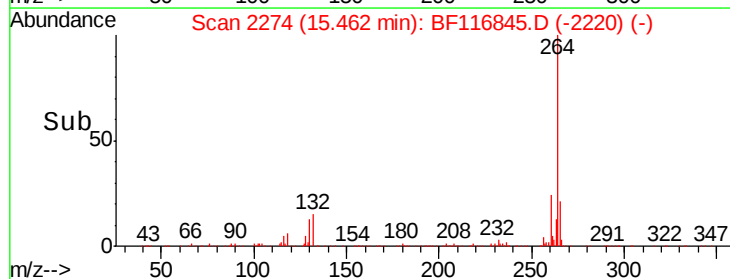
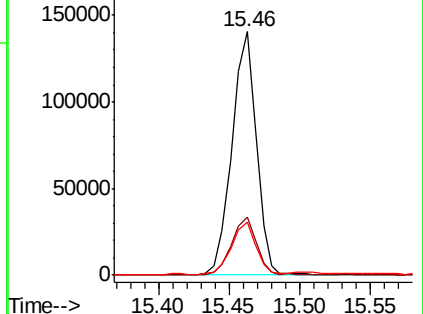
265 21.5 16.5 24.7

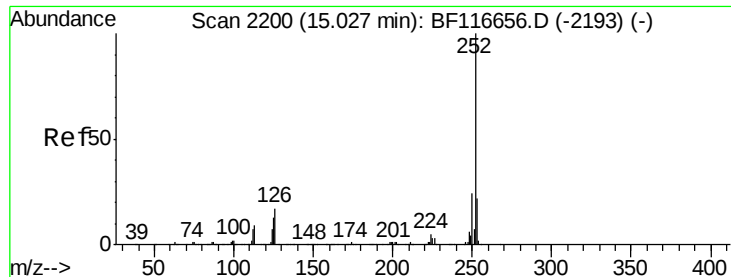


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

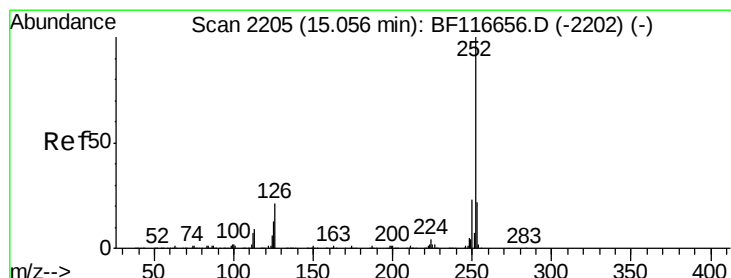
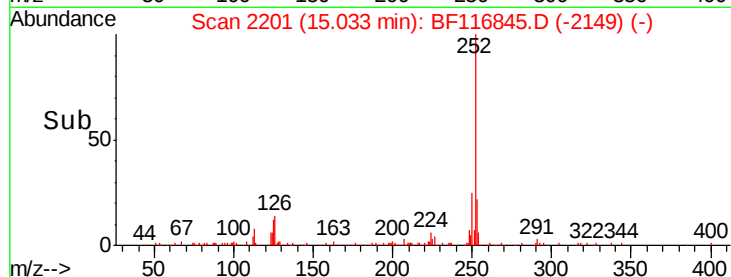
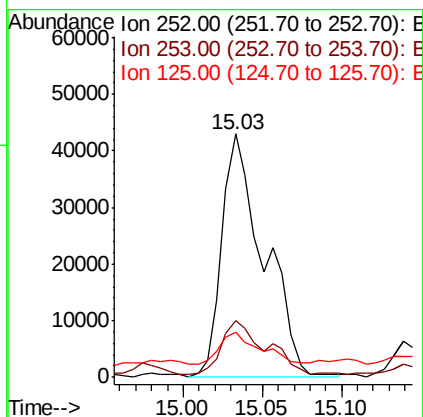
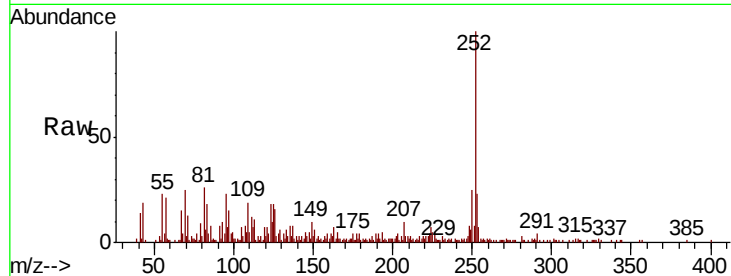




#88
Benzo(b)fluoranthene
Concen: 7.738 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

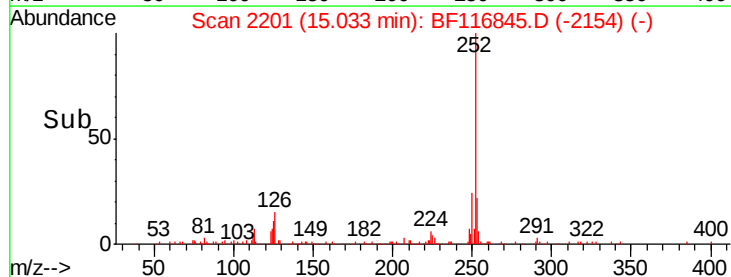
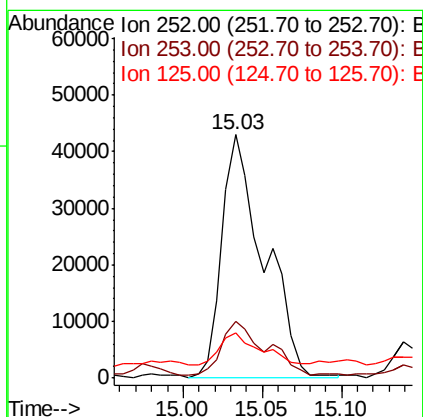
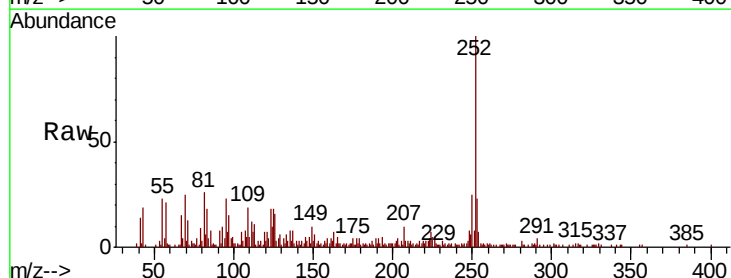
Instrument :
BNA_F
ClientSampleId :

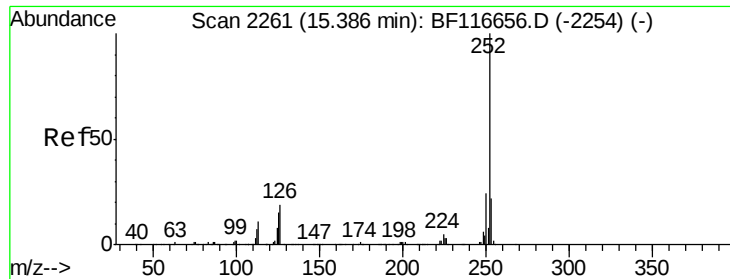
Tot Ion:252 Resp: 79750
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 18.4 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 8.487 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion:252 Resp: 79750
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 18.4 8.6 13.0#

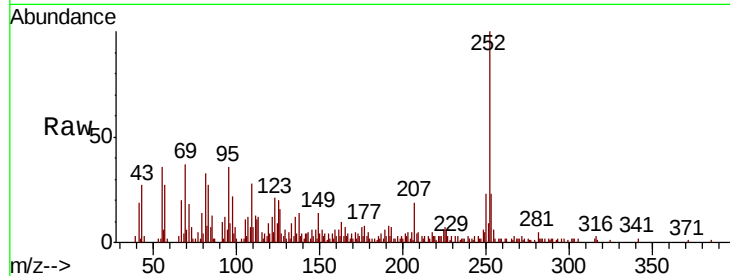




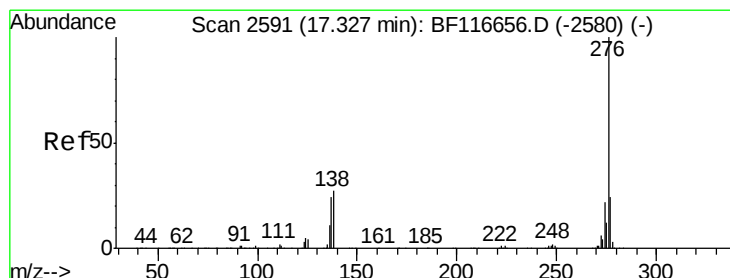
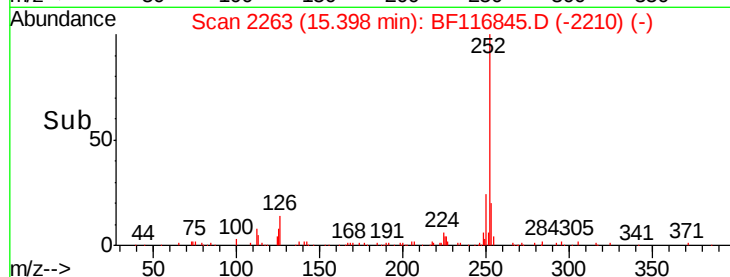
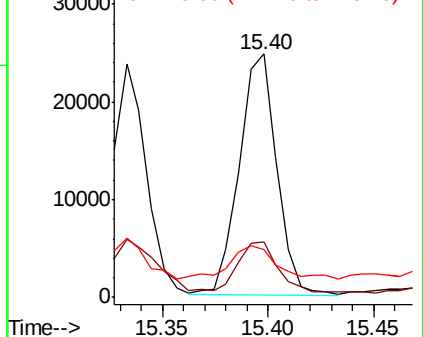
#90
Benzo(a)pyrene
Concen: 3.417 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30642
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 19.7 9.8 14.8#

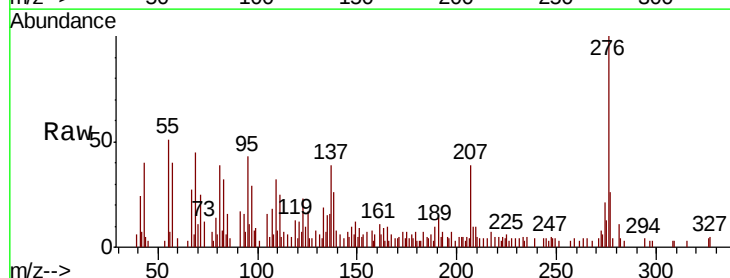


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.564 ng
RT: 17.34 min Scan# 2594
Delta R.T. 0.02 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion:276 Resp: 20521
Ion Ratio Lower Upper
276 100
277 25.8 18.5 27.7
138 25.9 16.2 24.2#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

