

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116010.D
 Acq On : 6 Aug 2019 13:55
 Operator : HP/JU
 Sample : K4135-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:13:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

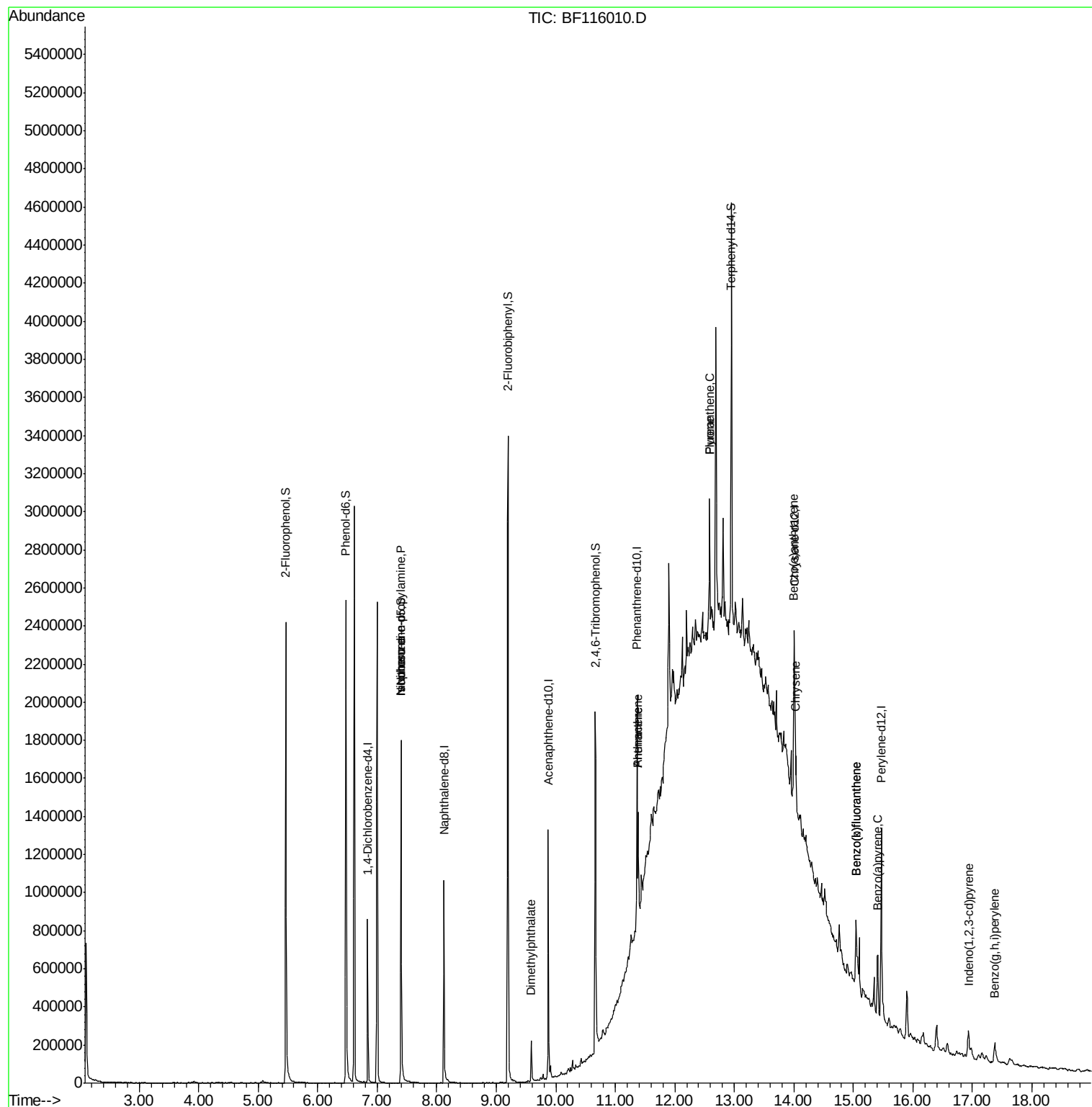
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	130437	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	506428	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	263155	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	422559	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	266891	20.00	ng	-0.02
87) Perylene-d12	15.47	264	345329	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	768198	98.59	ng	0.00
7) Phenol-d6	6.47	99	1015345	103.28	ng	-0.01
23) Nitrobenzene-d5	7.40	82	653774	74.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	254222	99.64	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1114499	79.33	ng	-0.02
79) Terphenyl-d14	12.95	244	896148	70.75	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	83889	13.771	ng	Qvalue # 77
25) Isophorone	7.40	82	654300	39.002	ng	# 66
50) Dimethylphthalate	9.59	163	101853	5.684	ng	100
71) Phenanthrene	11.39	178	201208	9.314	ng	98
72) Anthracene	11.39	178	201208	9.203	ng	98
75) Fluoranthene	12.58	202	335664	14.842	ng	97
78) Pyrene	12.58	202	335664	16.684	ng	97
81) Benzo(a)anthracene	14.00	228	157343	9.224	ng	96
83) Chrysene	14.03	228	130785	7.897	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	93721	6.738	ng	95
88) Benzo(b)fluoranthene	15.04	252	247515	12.396	ng	# 93
89) Benzo(k)fluoranthene	15.04	252	247515	12.727	ng	96
90) Benzo(a)pyrene	15.41	252	138193	7.742	ng	98
92) Benzo(a,h,i)perylene	17.37	276	89102	5.872	ng	99

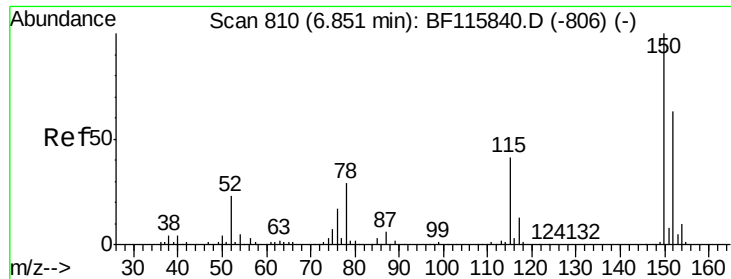
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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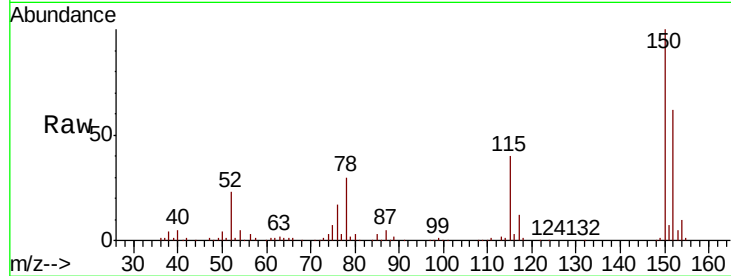


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	127.4	191.0
115	64.9	51.8	77.8

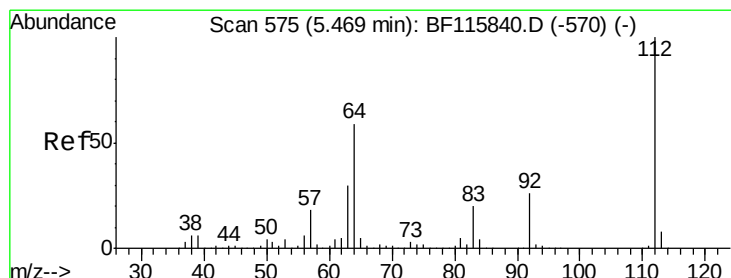
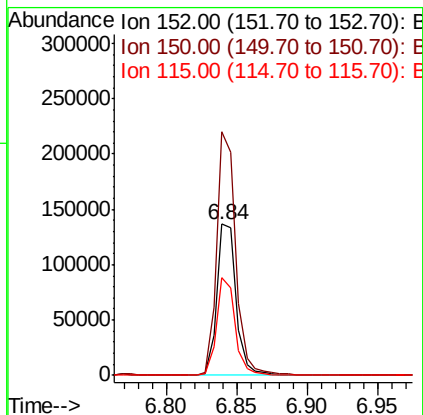
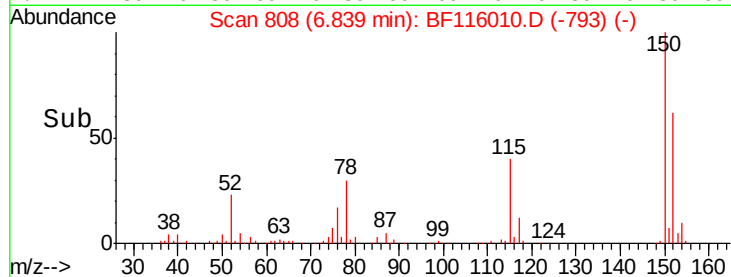


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

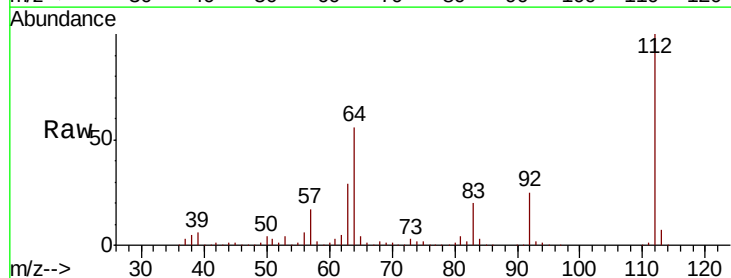
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.592 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.8	70.2
63	29.2	24.2	36.2

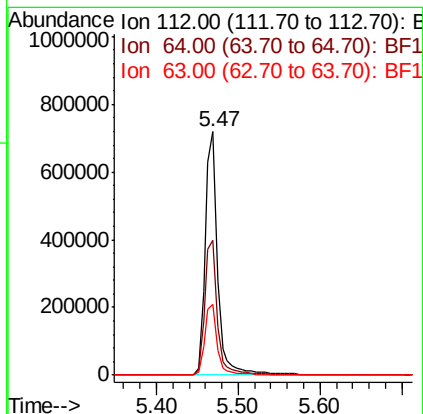
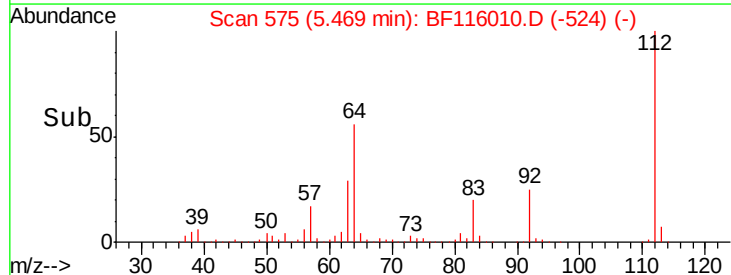


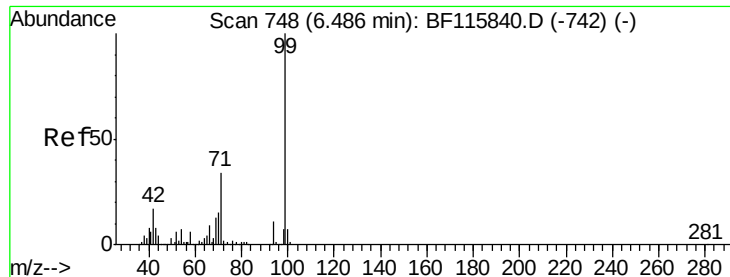
Abundance

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: 103.285 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

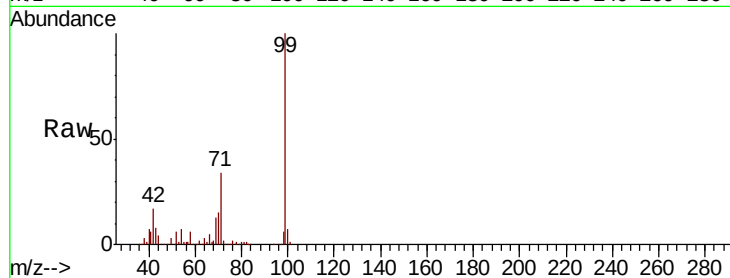
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1015345

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.8	20.6
71	34.4	27.1	40.7

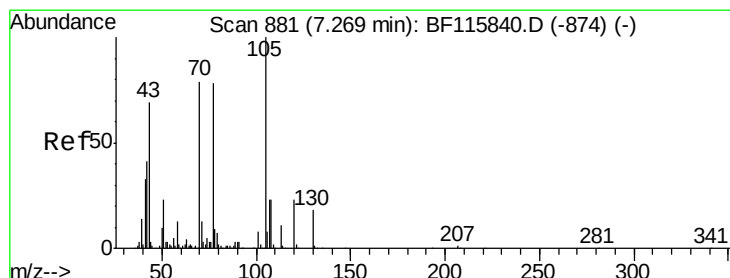
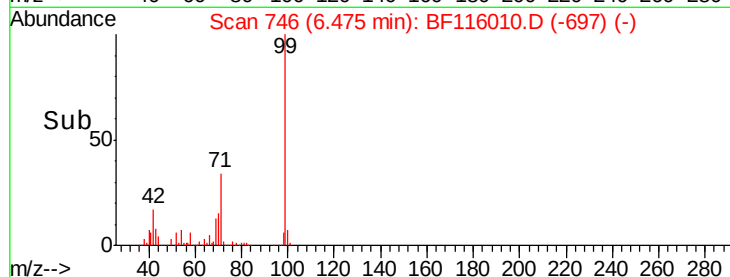
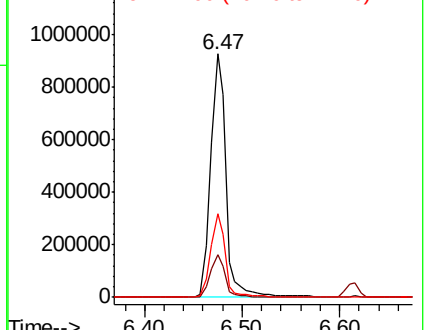


Abundance

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: 13.771 ng

RT: 7.40 min Scan# 904

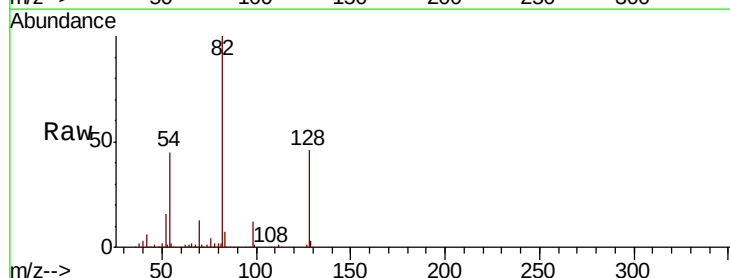
Delta R.T. 0.14 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Tgt Ion: 70 Resp: 83889

Ion	Ratio	Lower	Upper
70	100		
42	42.7	41.8	62.8
101	0.0	7.7	11.5#
130	1.9	17.8	26.6#



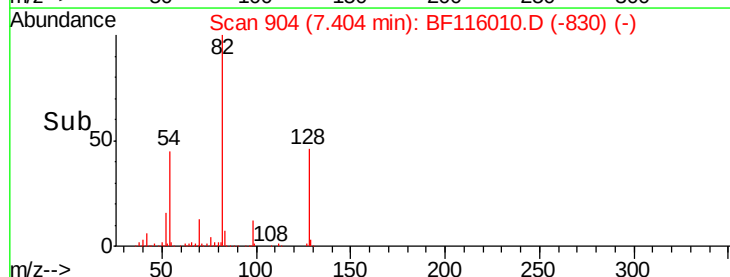
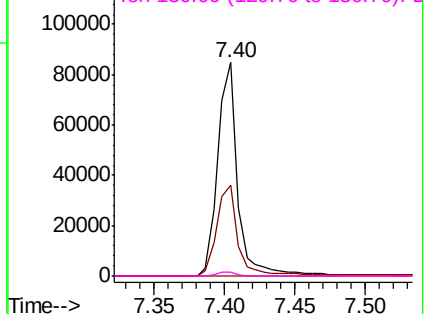
Abundance

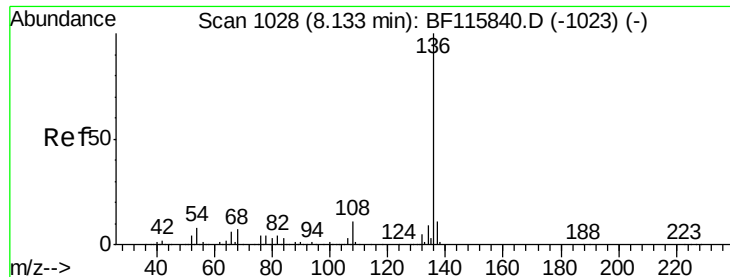
Ion 70.00 (69.70 to 70.70): BF1

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# 1026

Delta R.T. -0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 506428

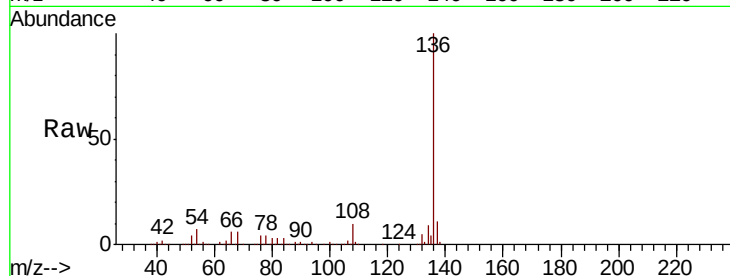
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.3 6.1 9.1

68 6.3 5.4 8.2

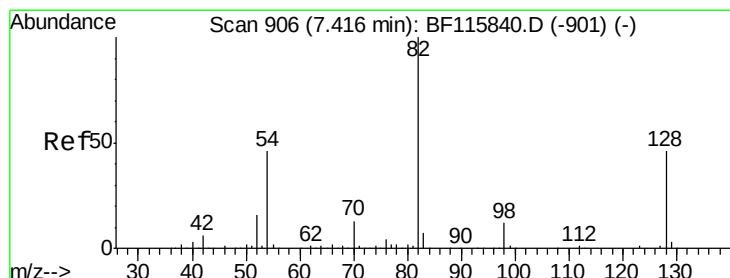
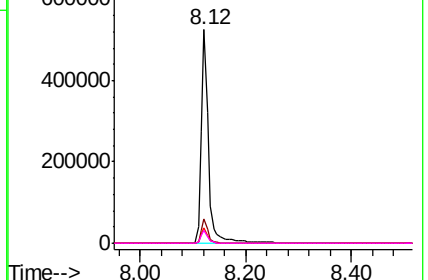
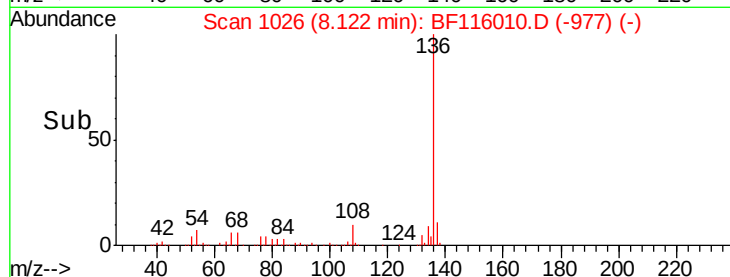


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 74.518 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

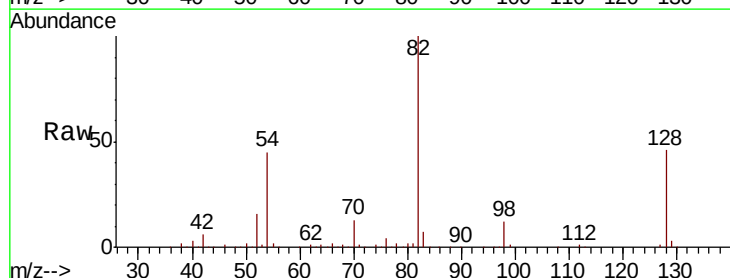
Tgt Ion: 82 Resp: 653774

Ion Ratio Lower Upper

82 100

128 46.0 36.6 55.0

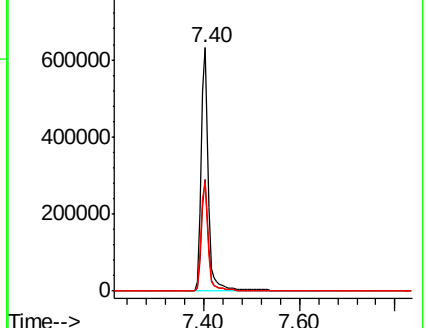
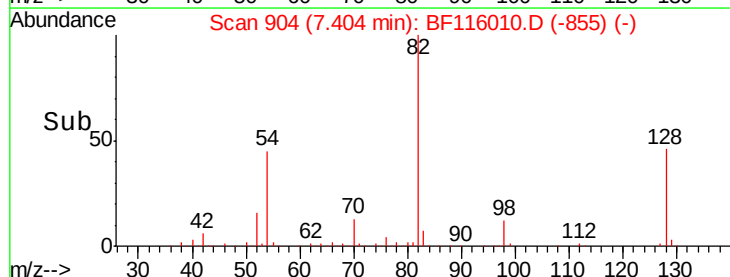
54 45.0 36.6 55.0

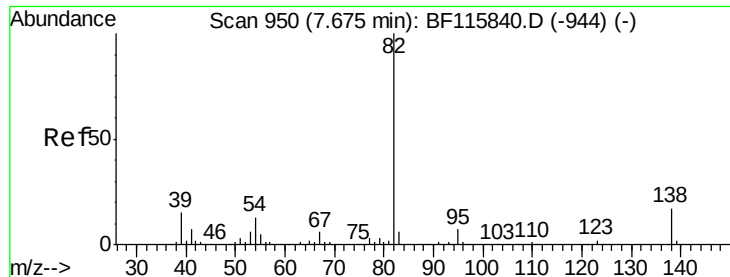


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.002 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

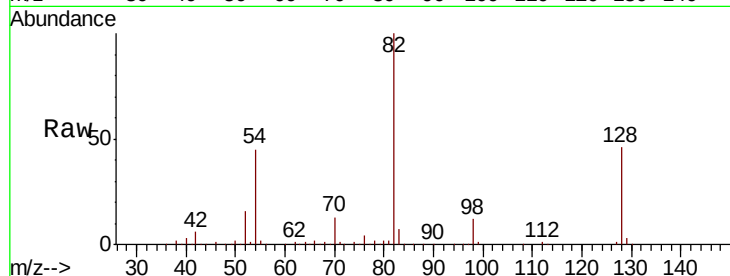
Tot Ion: 82 Resp: 654300

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

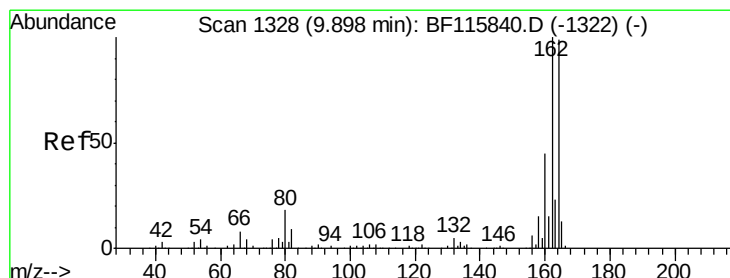
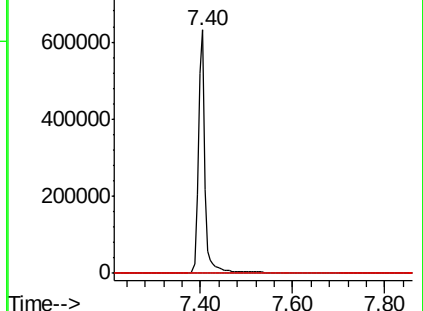
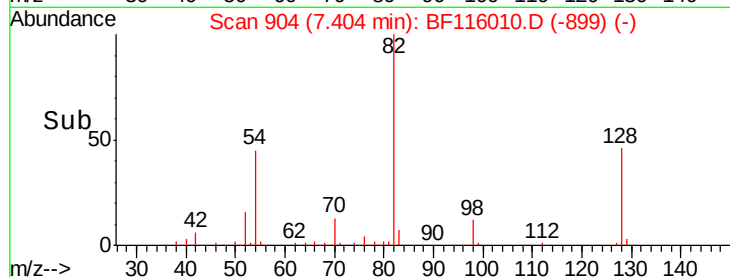
138 0.0 13.9 20.9#



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# 1324

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

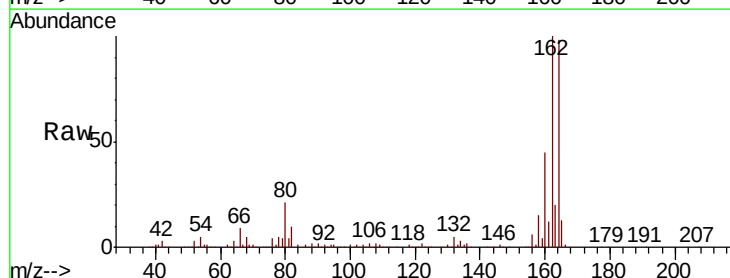
Tgt Ion: 164 Resp: 263155

Ion Ratio Lower Upper

164 100

162 102.2 80.8 121.2

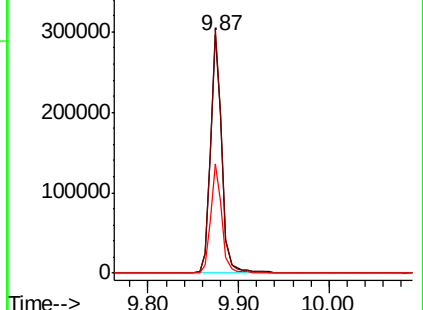
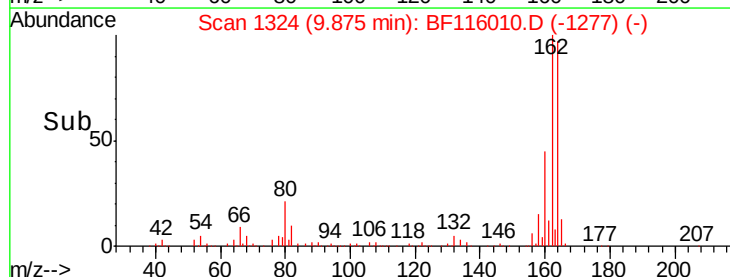
160 45.6 36.2 54.4

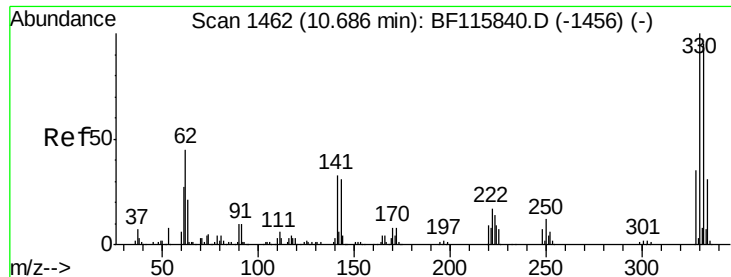


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

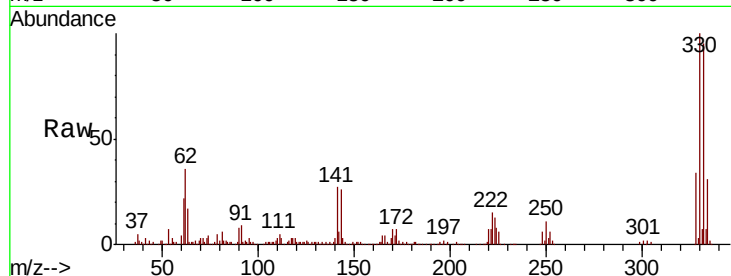




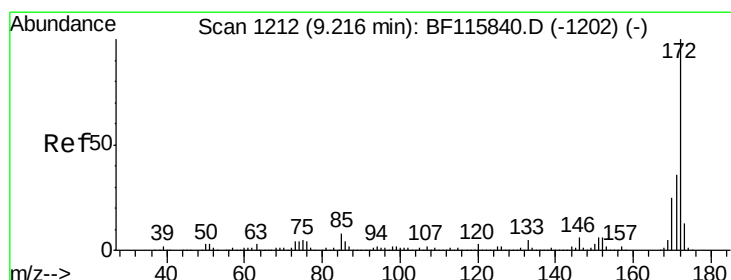
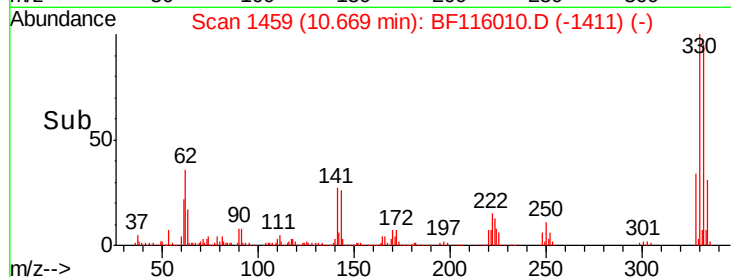
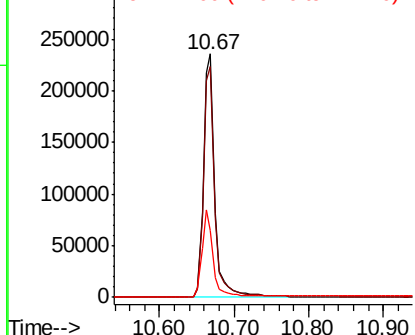
#42
 2,4,6-Tribromophenol
 Concen: 99.642 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 254222
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.7 116.5
 141 34.7 28.1 42.1

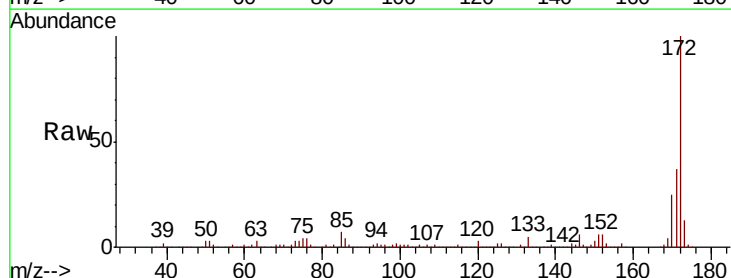


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

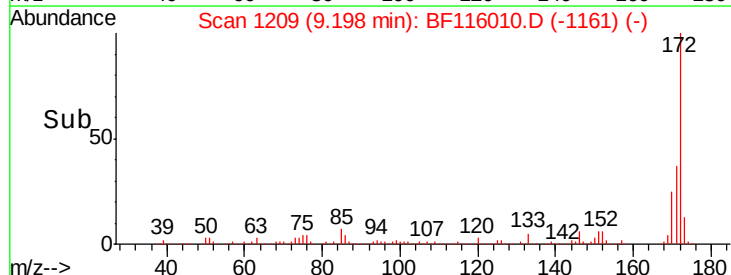
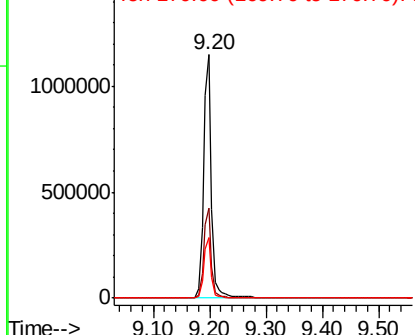


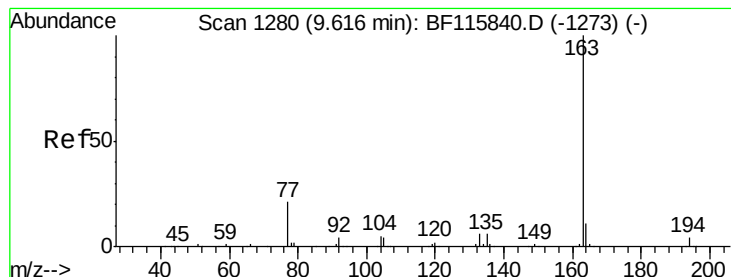
#45
 2-Fluorobiphenyl
 Concen: 79.327 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion:172 Resp: 1114499
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.1 43.7
 170 24.7 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: 5.684 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.03 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

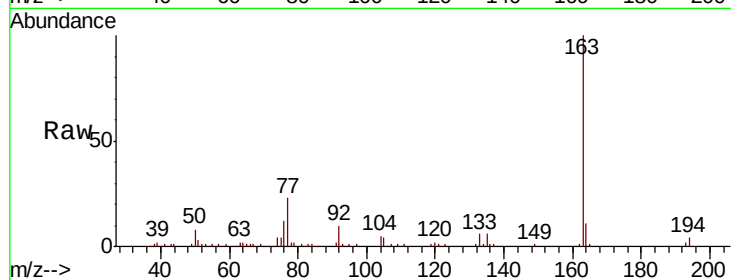
Tot Ion:163 Resp: 101853

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

164 10.6 8.4 12.6

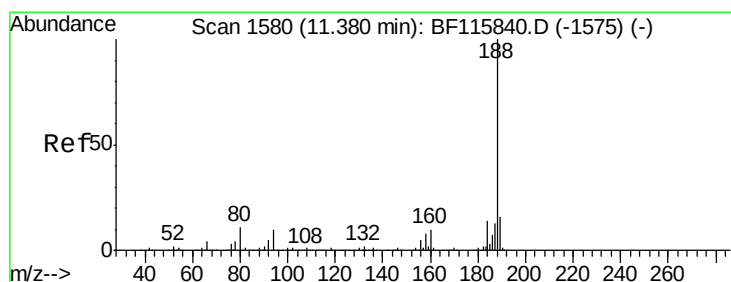
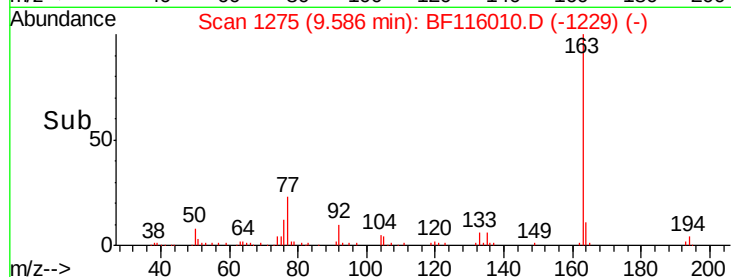
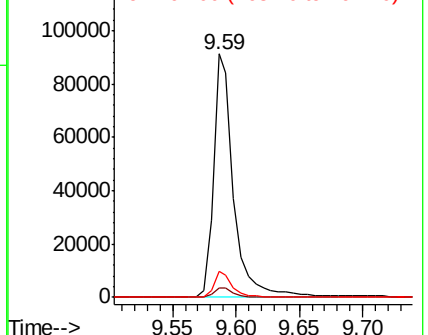


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

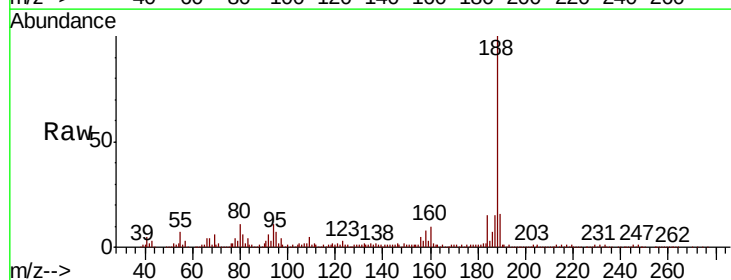
Tgt Ion:188 Resp: 422559

Ion Ratio Lower Upper

188 100

94 10.6 8.0 12.0

80 11.4 8.6 12.8

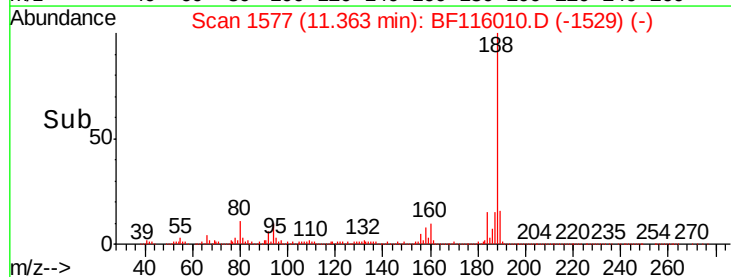
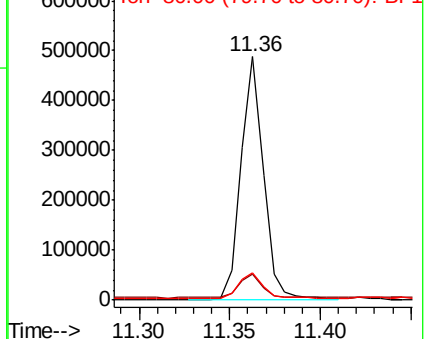


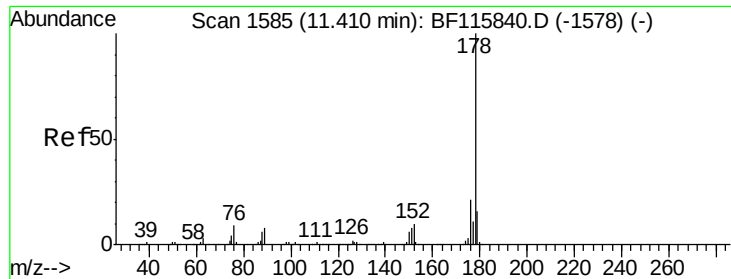
Abundance

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

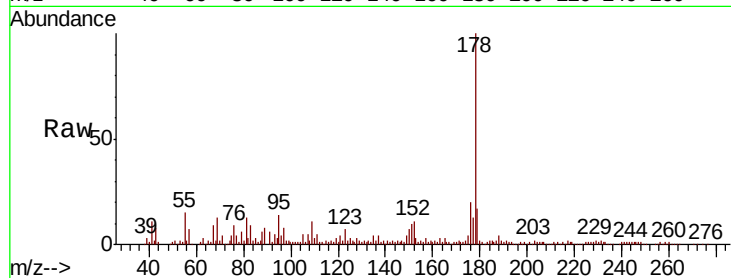




#71
Phenanthrene
Concen: 9.314 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	16.6	12.6	18.8

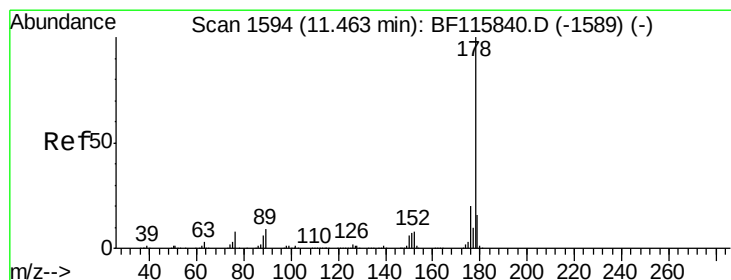
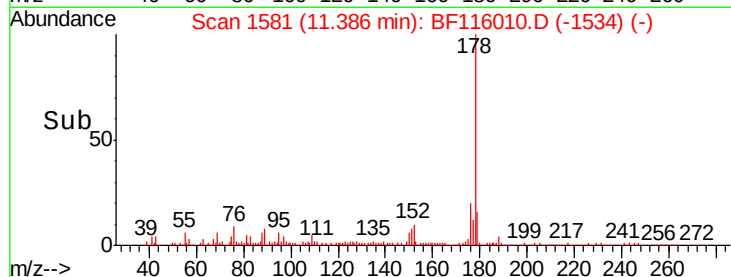
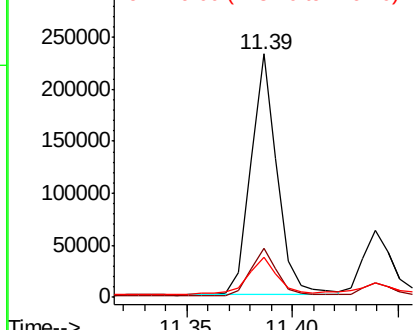


Abundance

Ion 178.00 (177.70 to 178.70): E

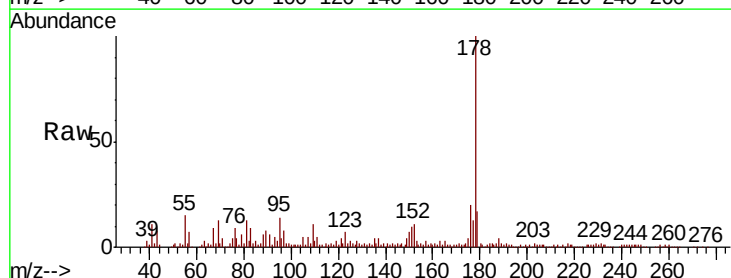
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 9.203 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.08 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.7	23.5
179	16.6	12.4	18.6

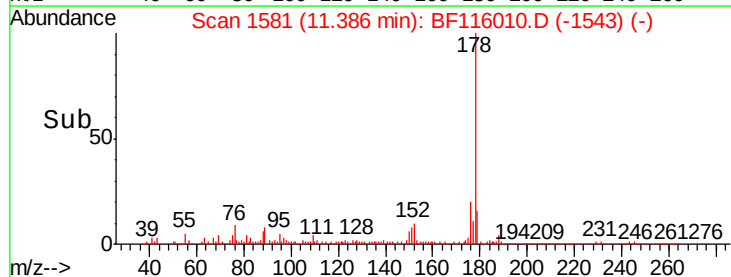
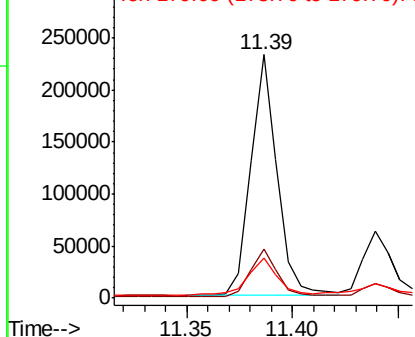


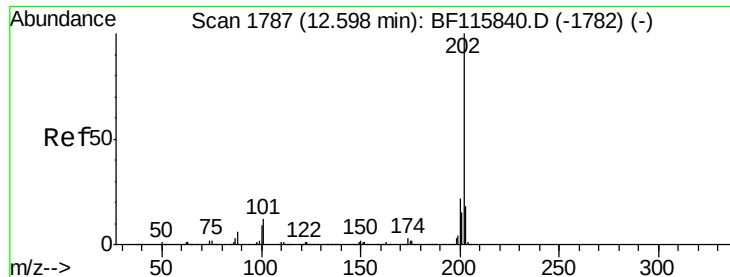
Abundance

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: 14.842 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF116010.D

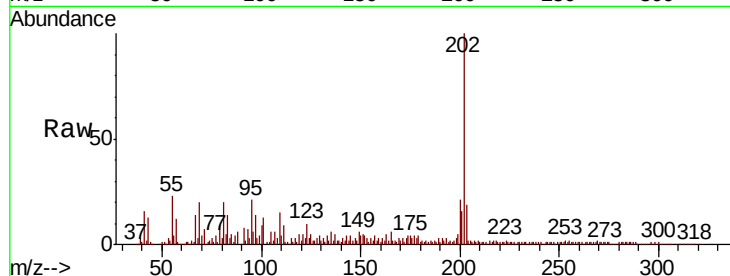
Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

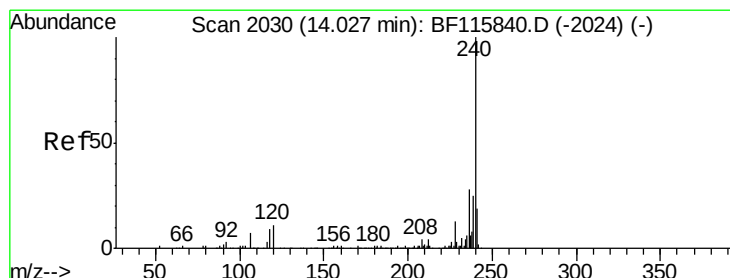
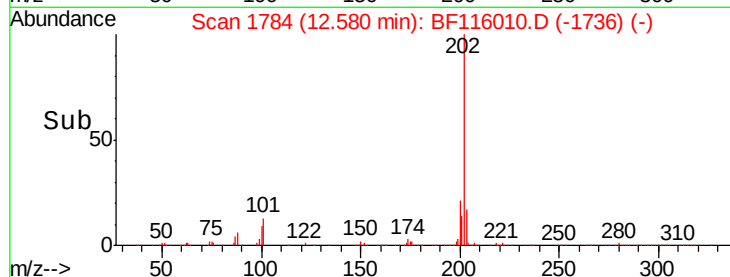
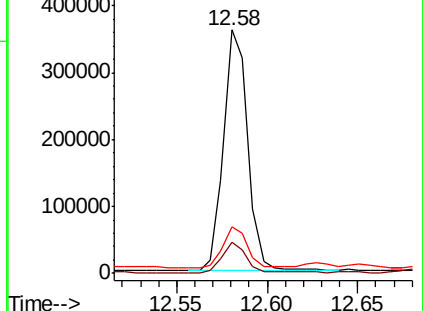
Tot Ion:	202	Resp:	335664
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.5
203	19.2	0.0	37.9



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

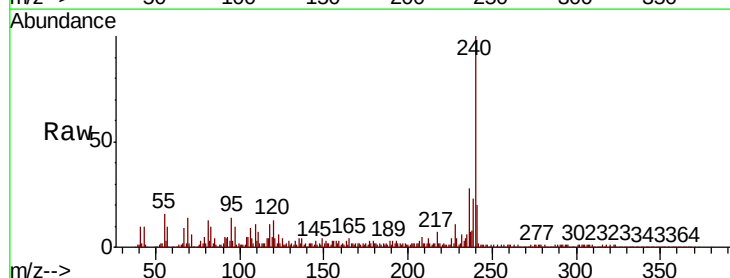
RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

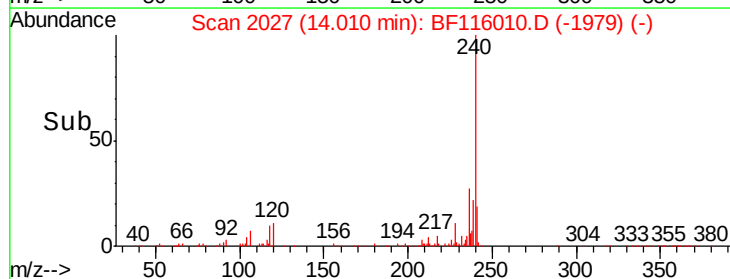
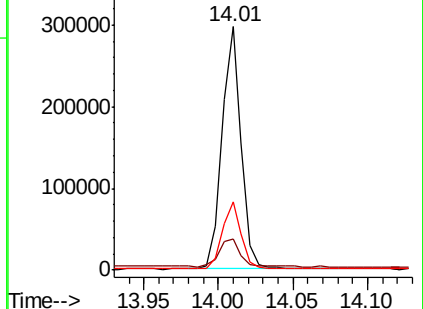
Tgt Ion:	240	Resp:	266891
Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.5	12.7#
236	27.8	22.2	33.2

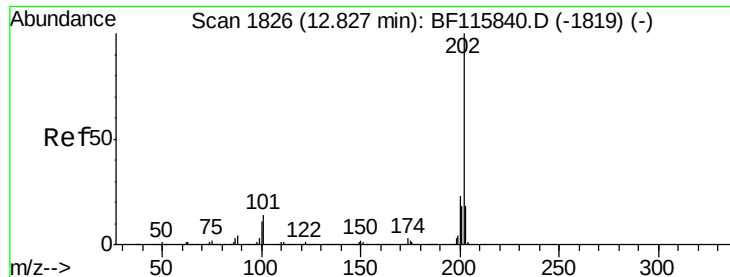


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

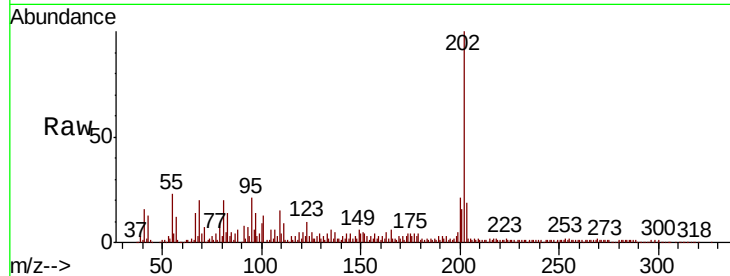




#78
 Pvrene
 Concen: 16.684 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.25 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.2	27.2
203	19.2	14.3	21.5

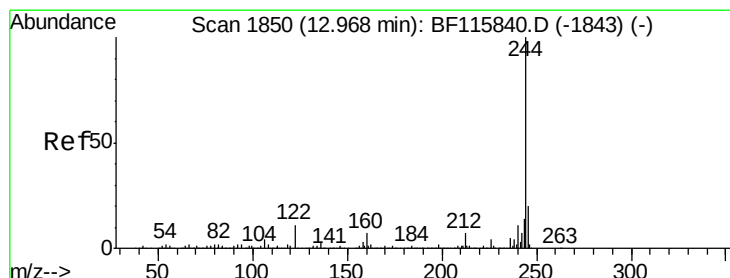
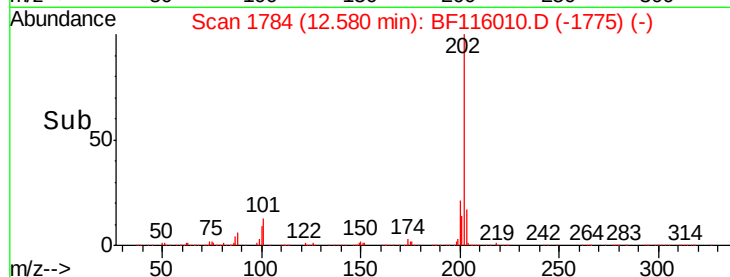
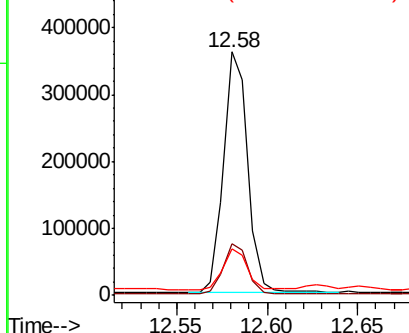


Abundance

Ion 202.00 (201.70 to 202.70): E

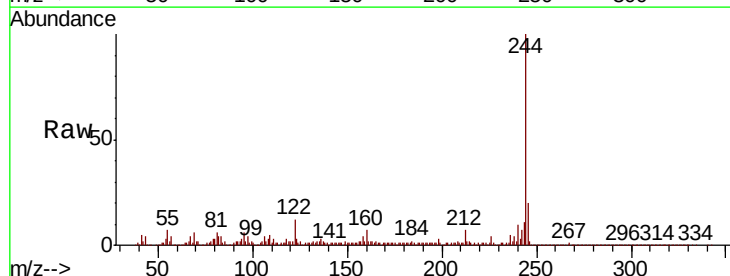
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
 Terphenyl-d14
 Concen: 70.753 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.0	8.6	13.0

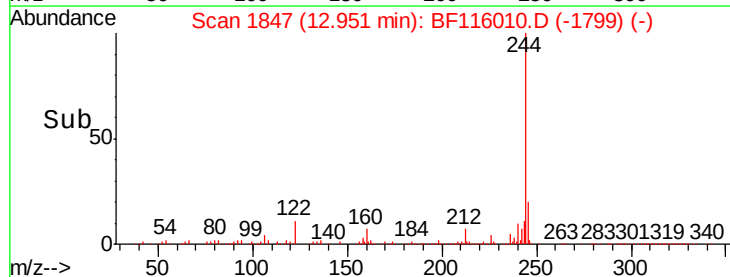
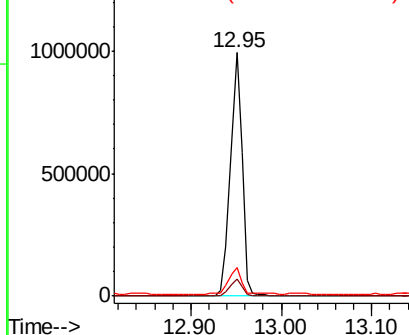


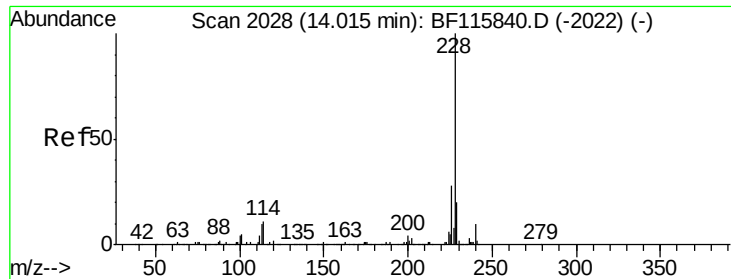
Abundance

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





#81

Benzo(a)anthracene

Concen: 9.224 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

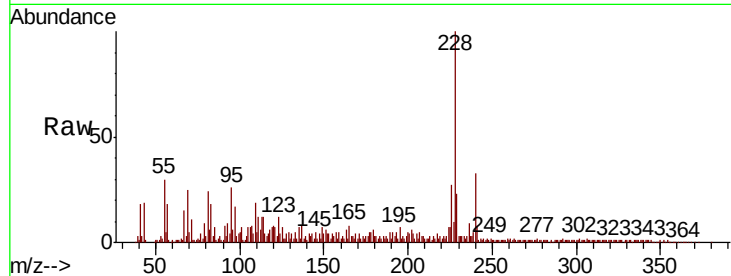
Tot Ion:228 Resp: 157343

Ion Ratio Lower Upper

228 100

226 27.4 22.5 33.7

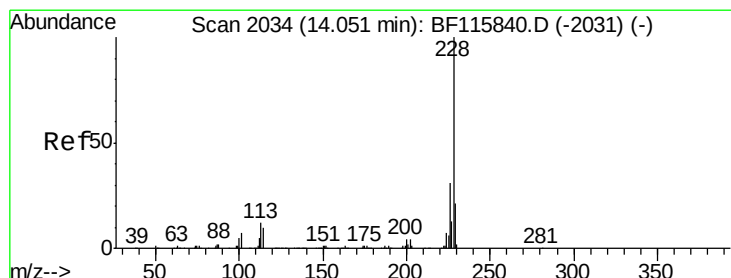
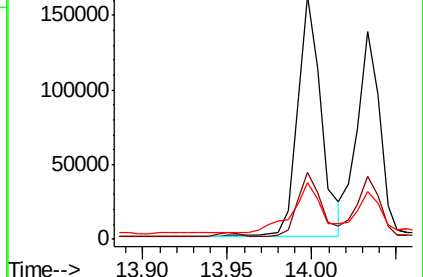
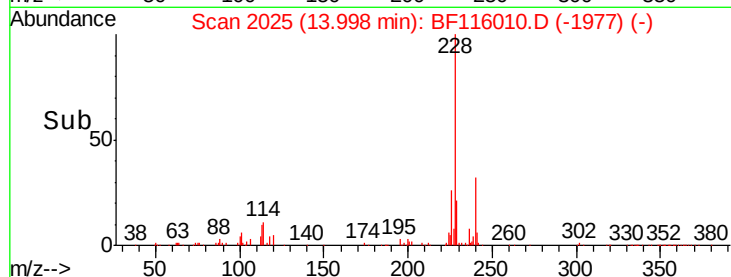
229 23.4 16.1 24.1



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: 7.897 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

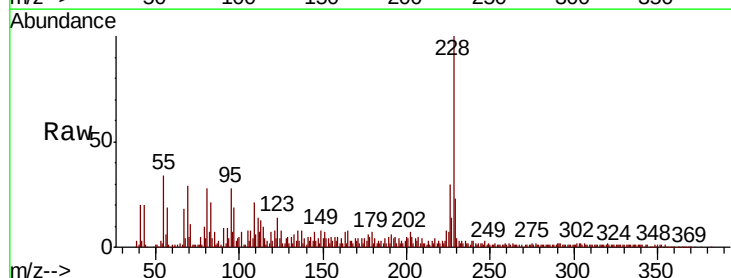
Tgt Ion:228 Resp: 130785

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

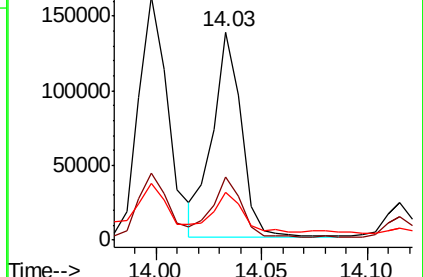
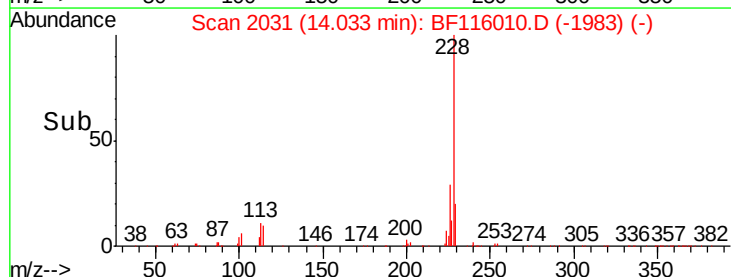
229 23.0 16.4 24.6

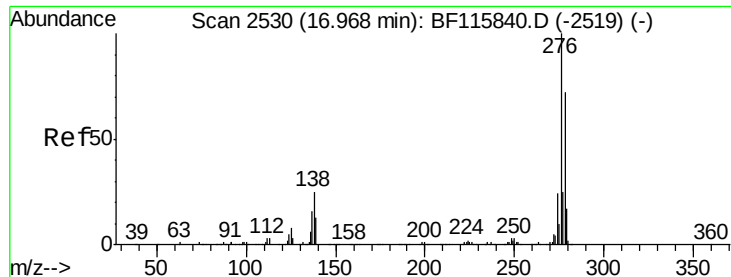


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

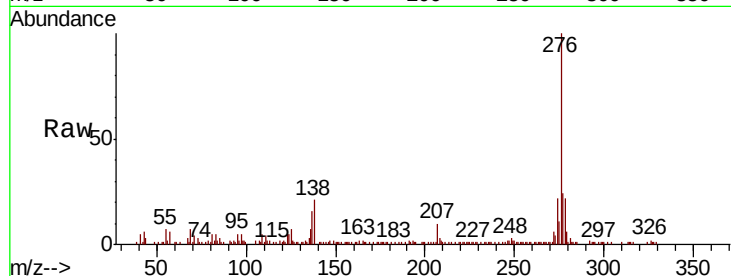




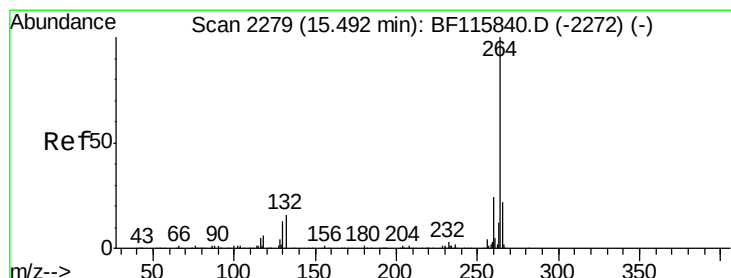
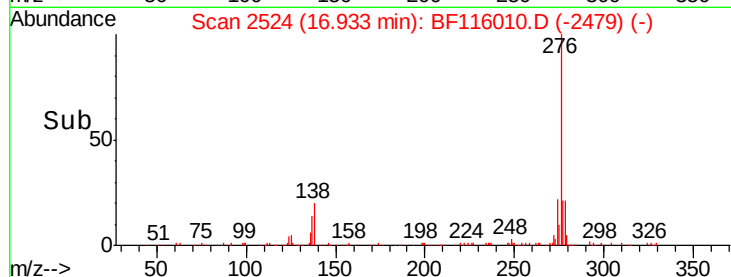
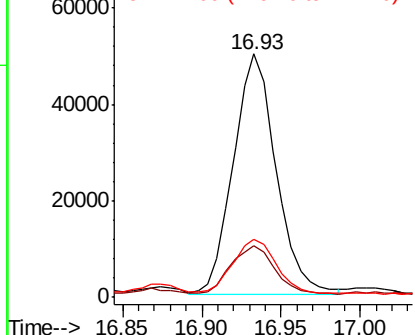
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.738 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. -0.04 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :

Tot	Ion:276	Resp:	93721
Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.6	29.4
277	23.2	20.1	30.1

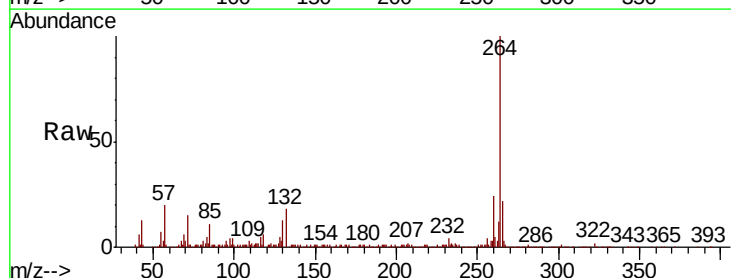


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

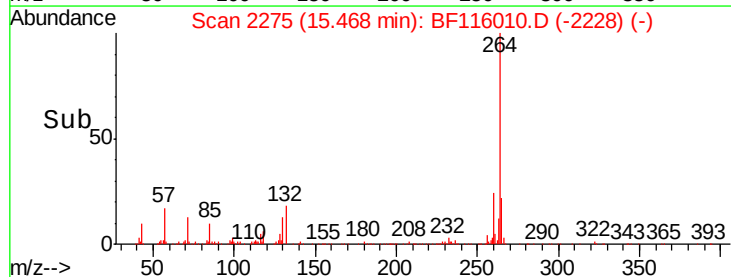
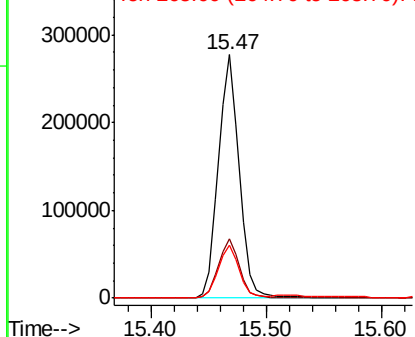


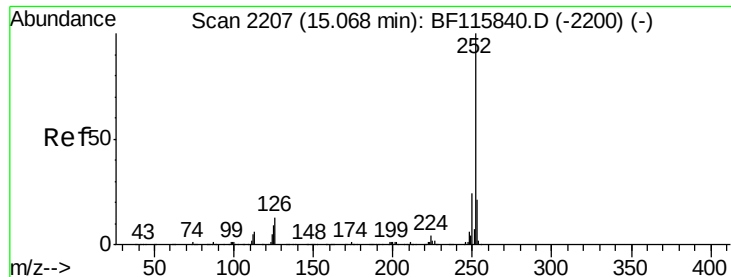
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion	264	Resp: Lower	345329 Upper
	Ratio		
264	100		
260	24.2	19.4	29.2
265	22.0	17.5	26.3



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: 12.396 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF116010.D

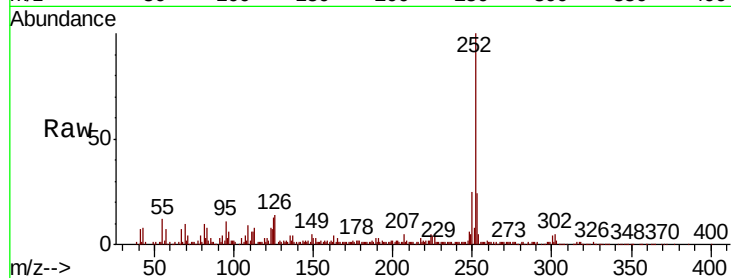
Acq: 6 Aug 2019 13:55

Instrument :

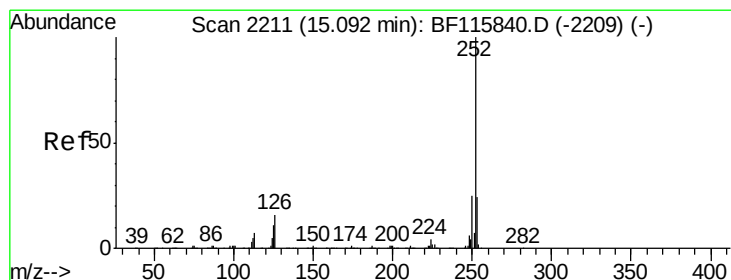
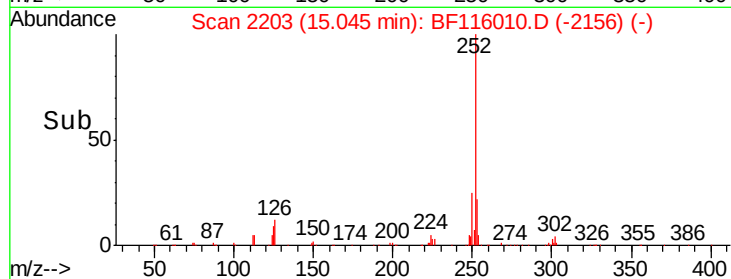
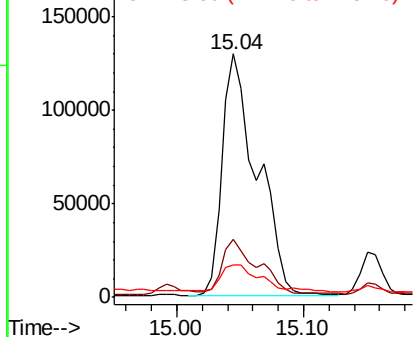
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	247515
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	13.1	7.4	11.0#



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



#89

Benzo(k)fluoranthene

Concen: 12.727 ng

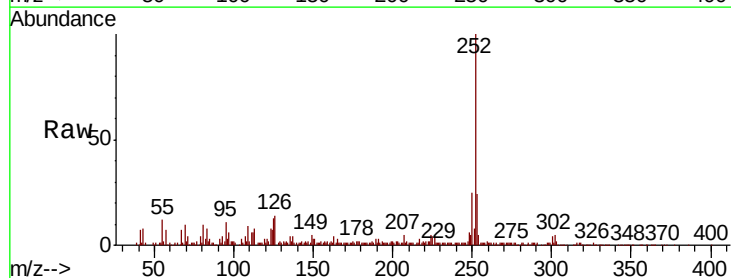
RT: 15.04 min Scan# 2203

Delta R.T. -0.05 min

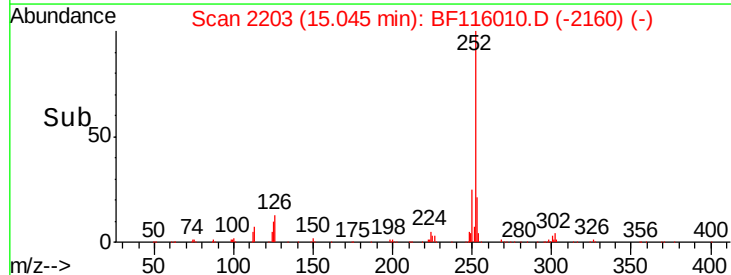
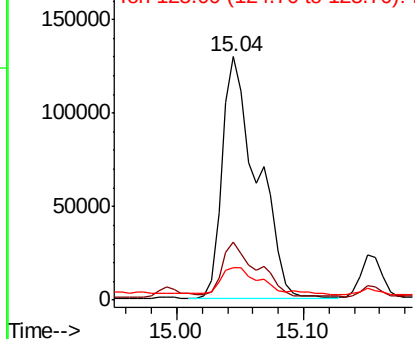
Lab File: BF116010.D

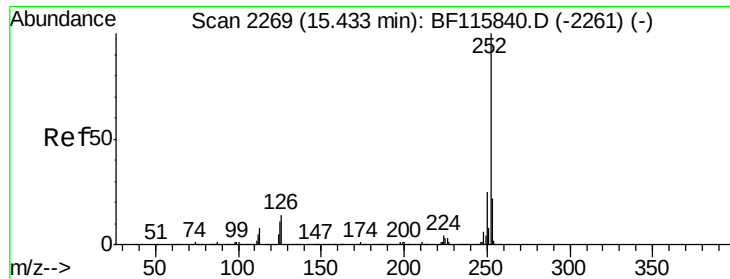
Acq: 6 Aug 2019 13:55

Tgt Ion:	252	Resp:	247515
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	13.1	8.9	13.3



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

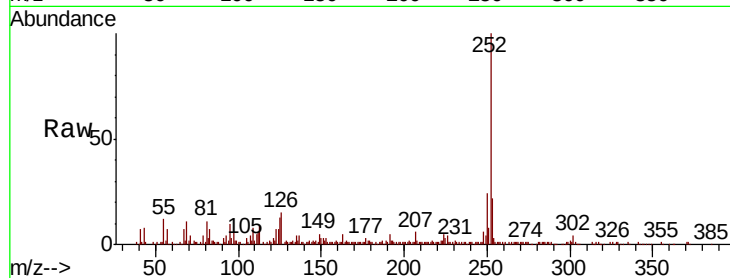




#90
Benzo(a)pyrene
Concen: 7.742 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.6	8.8	13.2

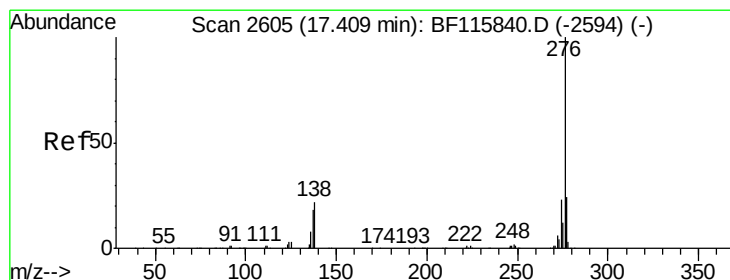
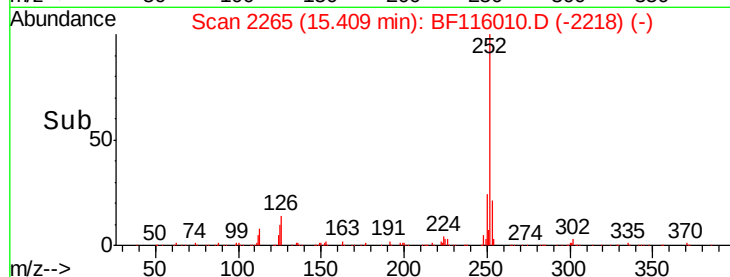
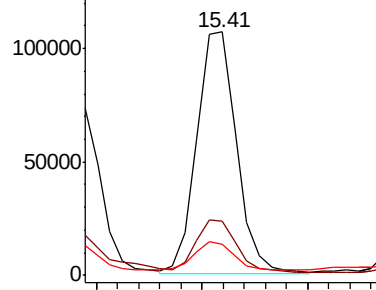


Abundance

Ion 252.00 (251.70 to 252.70): E

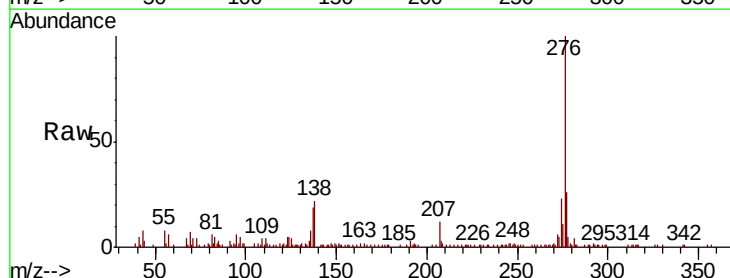
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.872 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.04 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.5	29.3
138	22.1	17.8	26.8



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

