

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116750.D
 Acq On : 1 Sep 2019 18:42
 Operator : HP/JU
 Sample : K4547-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:26:40 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	84098	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	333771	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	180287	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	333907	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	253764	20.00	ng	0.00
87) Perylene-d12	15.44	264	258063	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	424390	81.75	ng	0.00
7) Phenol-d6	6.47	99	589995	86.55	ng	-0.01
23) Nitrobenzene-d5	7.40	82	346884	59.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	117148	97.20	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	576735	53.96	ng	-0.01
79) Terphenyl-d14	12.94	244	690795	50.36	ng	-0.01

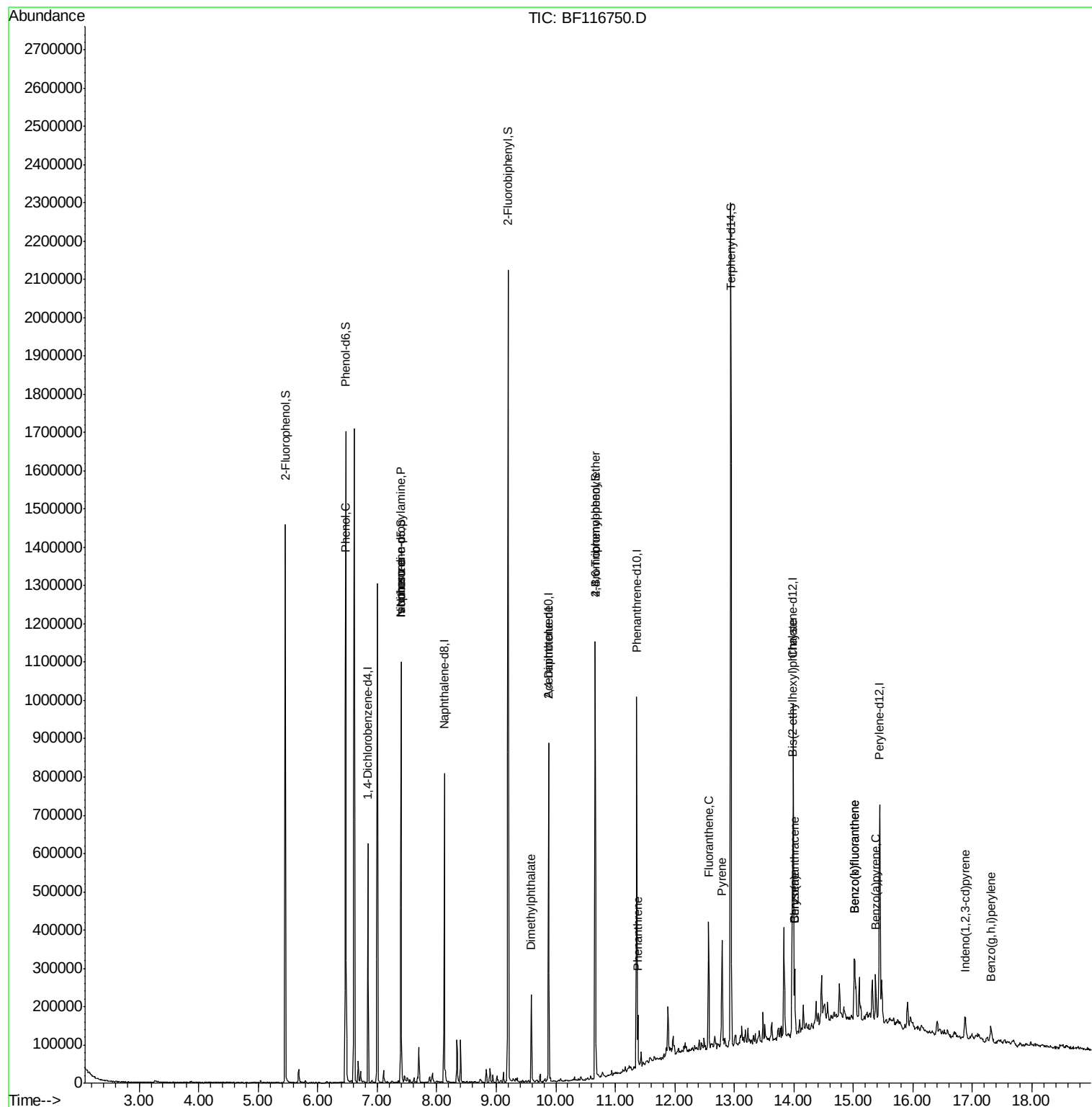
Target Compounds				Qvalue		
10) Phenol	6.48	94	44198	5.856	ng	95
19) n-Nitroso-di-n-propylamine	7.40	70	45872	10.221	ng	# 72
25) Isophorone	7.40	82	346881	29.279	ng	# 66
50) Dimethylphthalate	9.59	163	90781	7.293	ng	97
57) 2,4-Dinitrotoluene	9.88	165	22702	7.818	ng	# 19
67) 4-Bromophenyl-phenylether	10.66	248	7464	2.200	ng	# 1
71) Phenanthrene	11.38	178	43263	2.328	ng	99
75) Fluoranthene	12.57	202	122624	6.713	ng	98
78) Pyrene	12.80	202	118569	5.256	ng	98
81) Benzo(a)anthracene	14.02	228	65026	4.049	ng	94
83) Chrysene	14.02	228	65026	3.930	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	110650	8.171	ng	97
86) Indeno(1,2,3-cd)pyrene	16.88	276	33755	2.540	ng	95
88) Benzo(b)fluoranthene	15.02	252	107080	6.863	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	107080	7.527	ng	# 96
90) Benzo(a)pyrene	15.37	252	53741	3.959	ng	# 94
92) Benzo(a,h,i)perylene	17.32	276	29373	2.424	ng	# 94

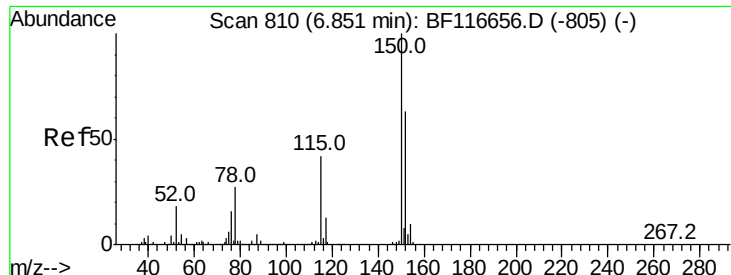
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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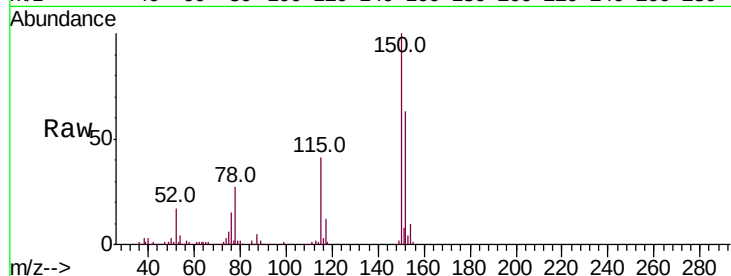


#1

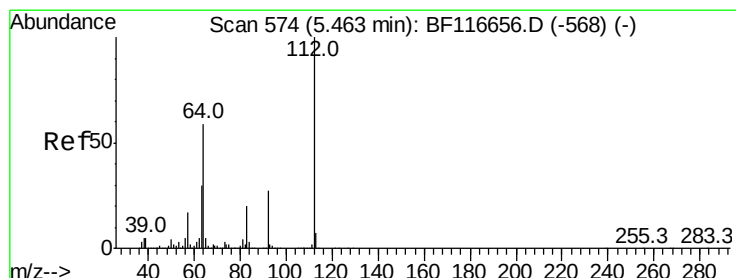
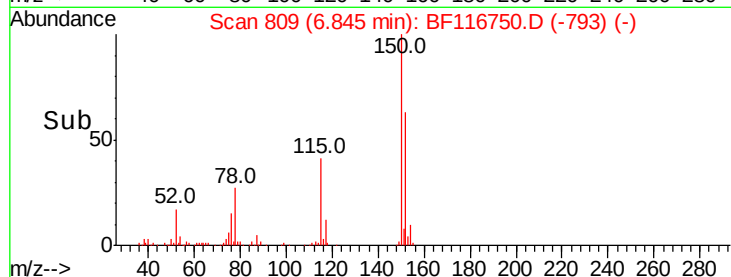
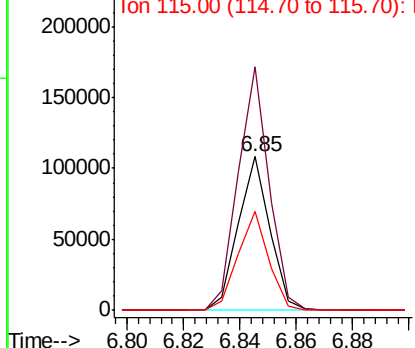
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 84098
Ion Ratio Lower Upper
152 100
150 158.7 124.4 186.6
115 64.3 49.9 74.9



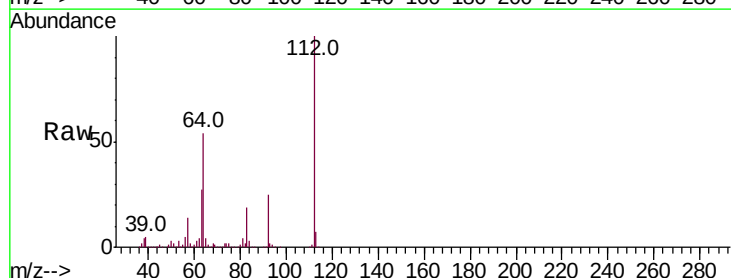
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



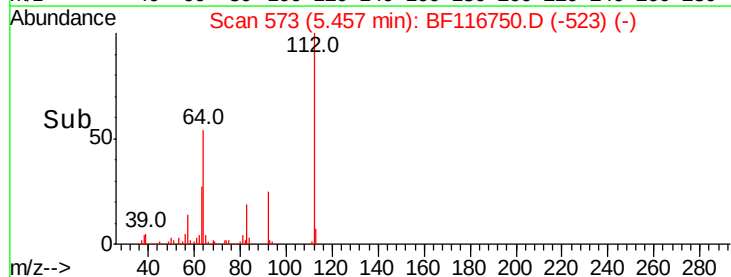
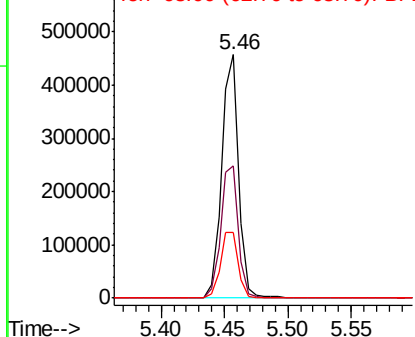
#5

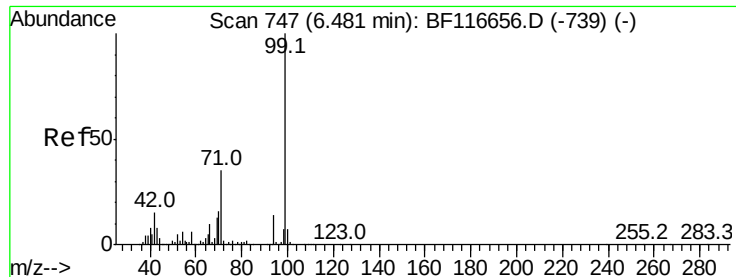
2-Fluorophenol
Concen: 81.754 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Tgt Ion:112 Resp: 424390
Ion Ratio Lower Upper
112 100
64 54.4 47.1 70.7
63 26.8 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





#7

Phenol-d6

Concen: 86.555 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

Instrument :

BNA_F

ClientSampleId :

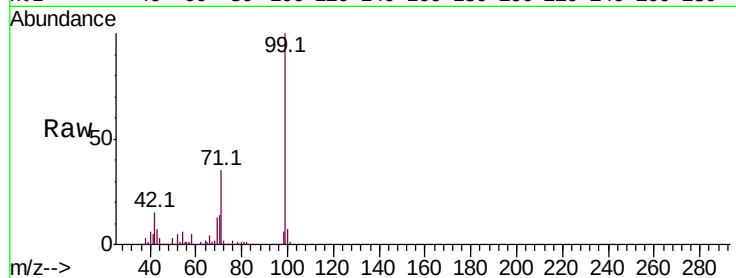
Tot Ion: 99 Resp: 589995

Ion Ratio Lower Upper

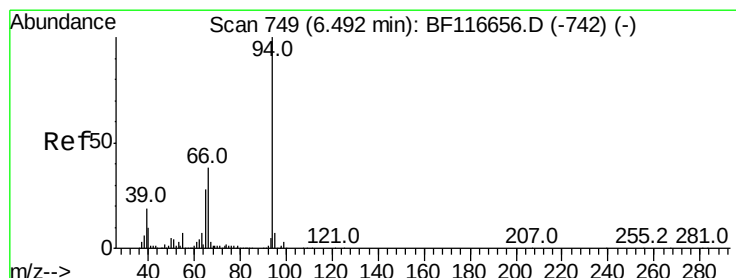
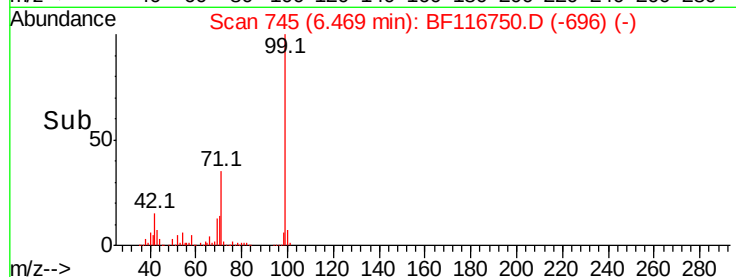
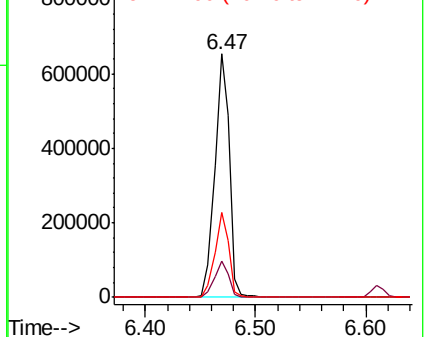
99 100

42 14.7 13.7 20.5

71 35.0 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



#10

Phenol

Concen: 5.856 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

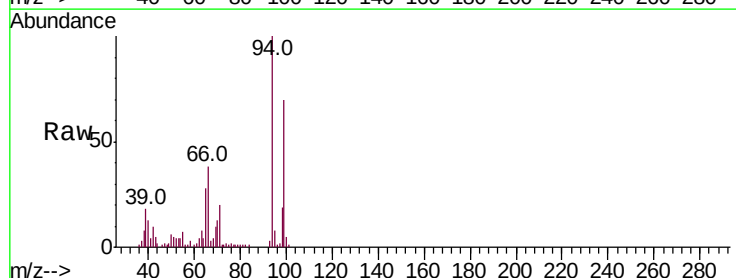
Tgt Ion: 94 Resp: 44198

Ion Ratio Lower Upper

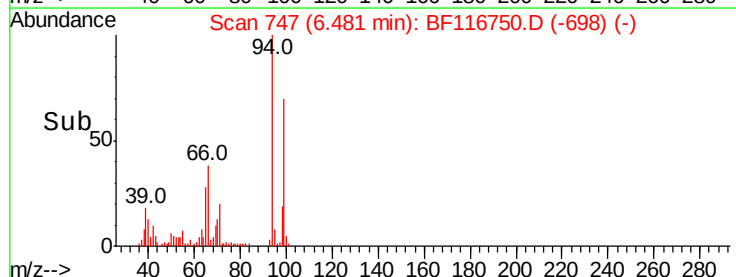
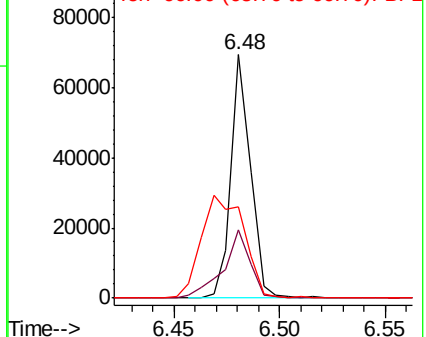
94 100

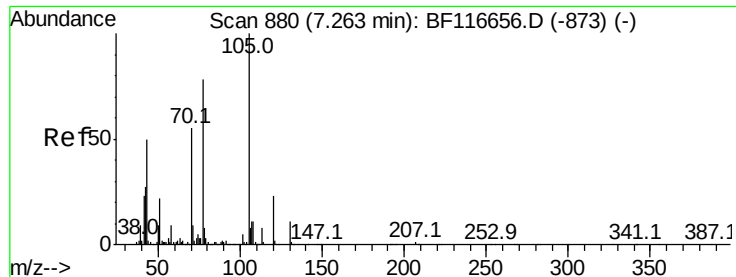
65 28.1 10.8 50.8

66 37.7 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

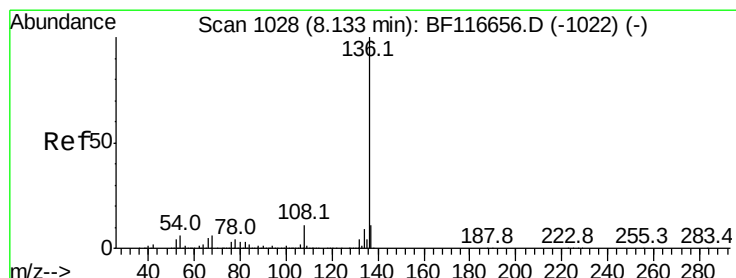
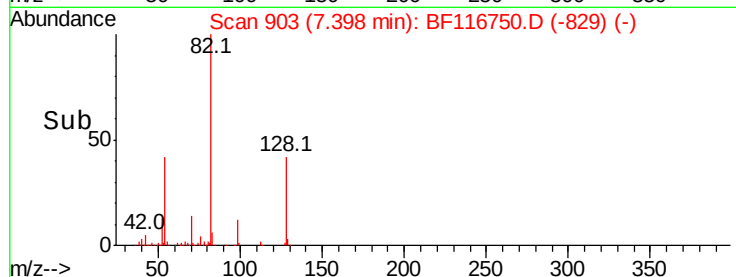
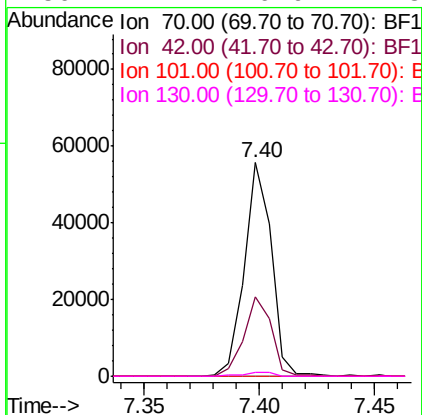
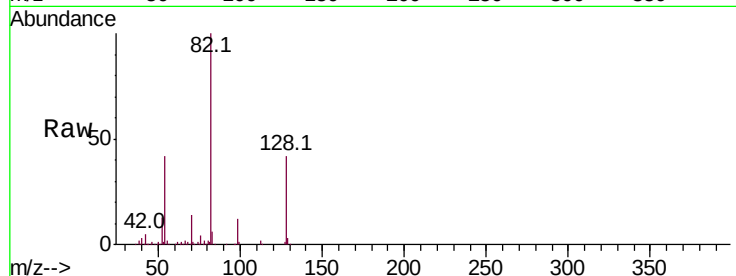




#19
 n-Nitroso-di-n-propylamine
 Concen: 10.221 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.14 min
 Lab File: BF116750.D
 Acq: 1 Sep 2019 18:42

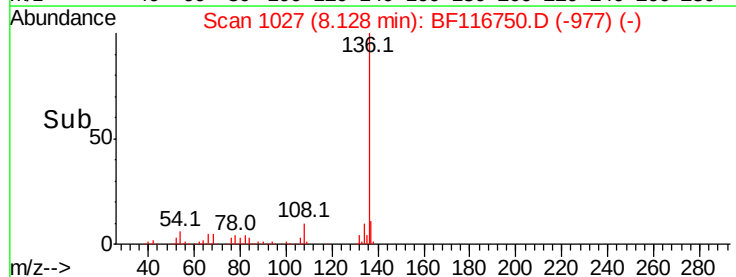
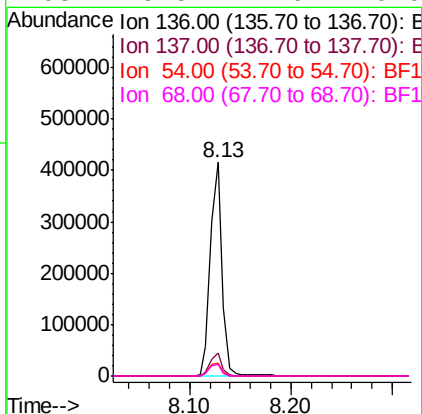
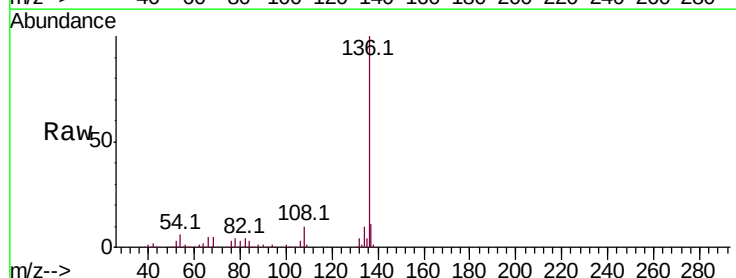
Instrument :
 BNA_F
 ClientSampleId :

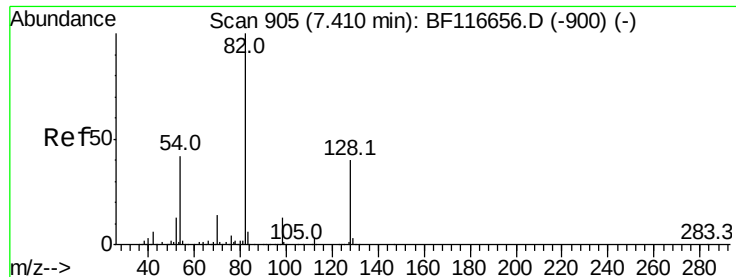
Tot Ion:	70	Resp:	45872
Ion	Ratio	Lower	Upper
70	100		
42	37.3	43.5	65.3#
101	0.0	7.8	11.6#
130	2.1	16.6	24.8#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF116750.D
 Acq: 1 Sep 2019 18:42

Tgt Ion:	136	Resp:	333771
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.8	4.8	7.2
68	5.5	4.0	6.0

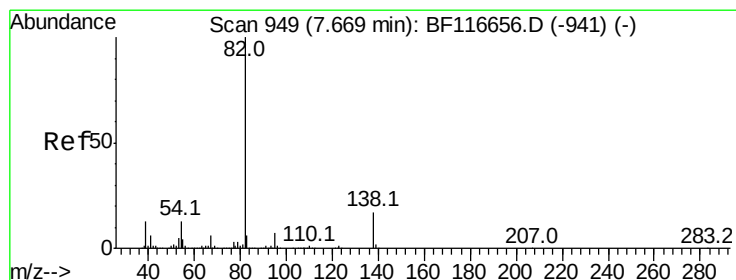
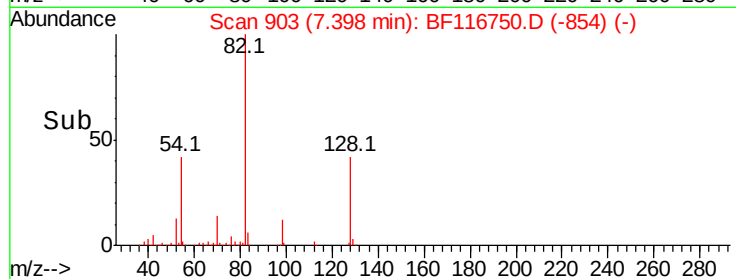
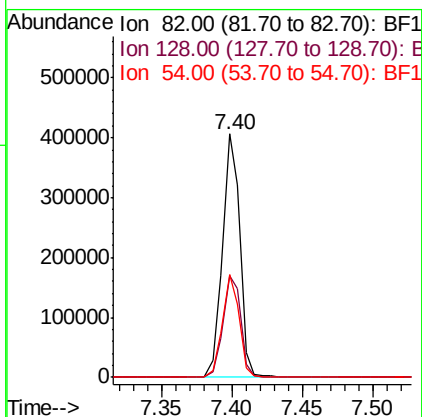
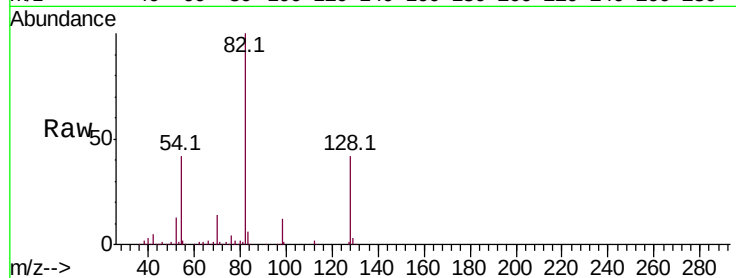




#23
Nitrobenzene-d5
Concen: 59.330 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

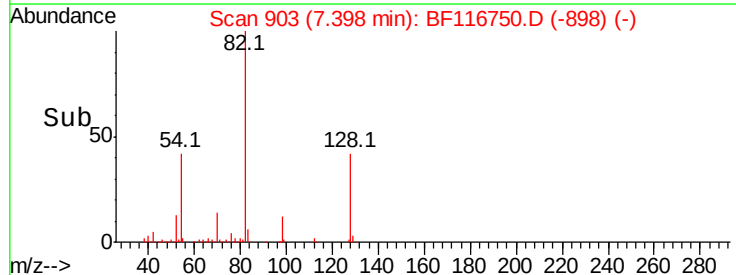
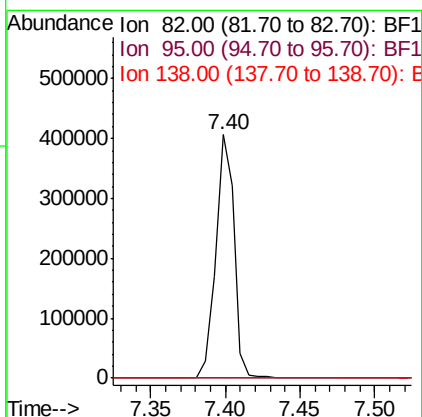
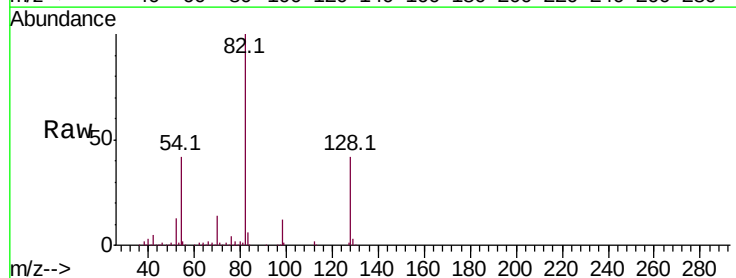
Instrument :
BNA_F
ClientSampleId :

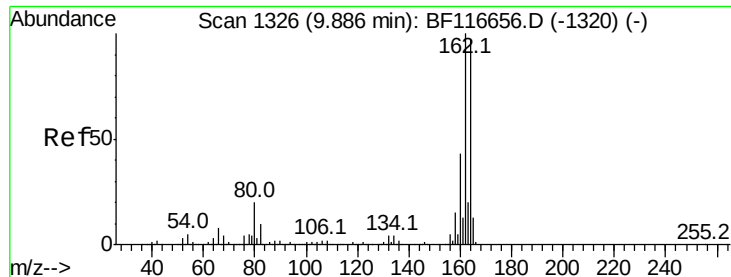
Tot Ion	82	Resp	346884
Ion Ratio	Lower	Upper	
82	100		
128	41.8	32.8	49.2
54	42.0	36.9	55.3



#25
Isophorone
Concen: 29.279 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Tgt Ion	82	Resp	346881
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

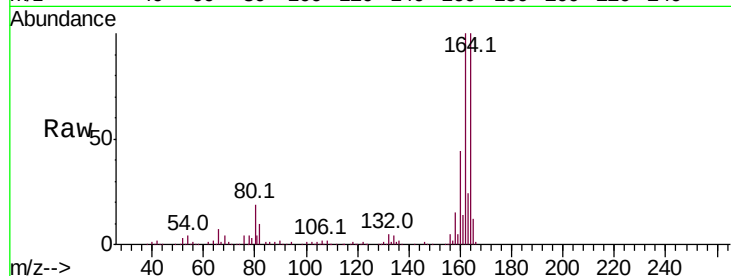




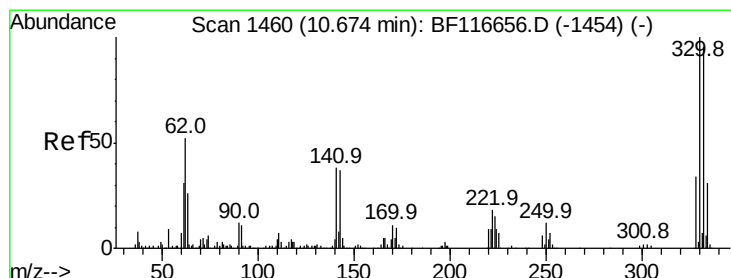
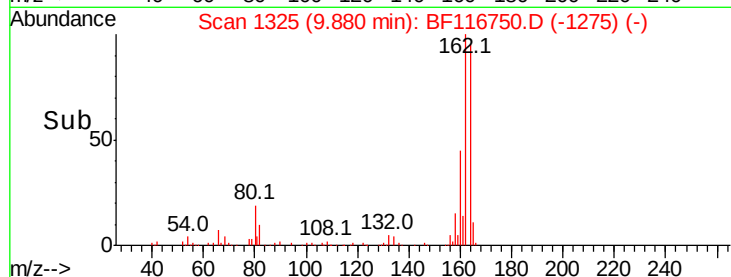
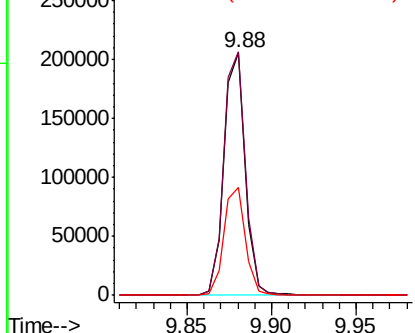
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 180287
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 44.5 35.4 53.2

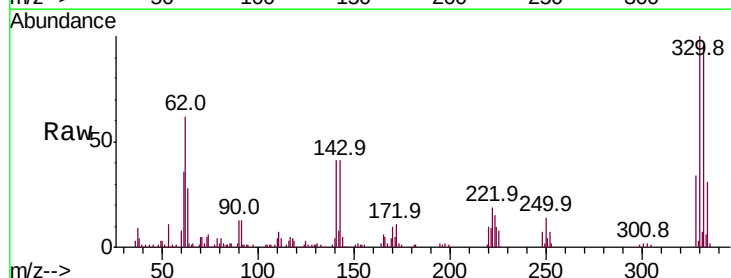


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

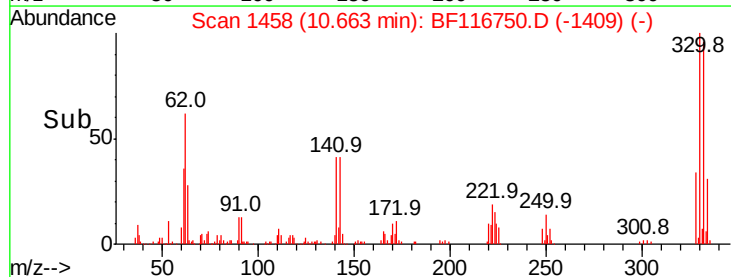
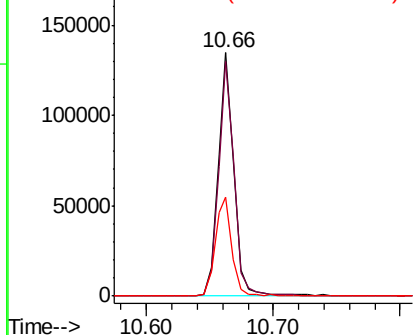


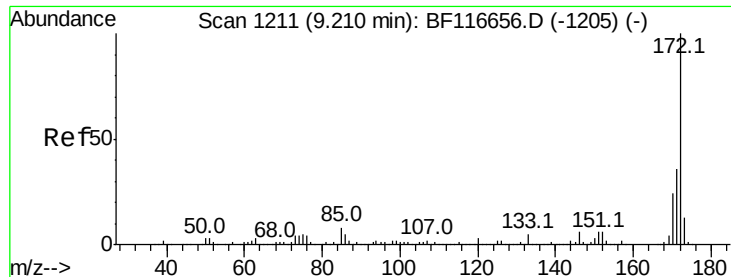
#42
2,4,6-Tribromophenol
Concen: 97.198 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Tgt Ion:330 Resp: 117148
Ion Ratio Lower Upper
330 100
332 96.9 76.9 115.3
141 43.5 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

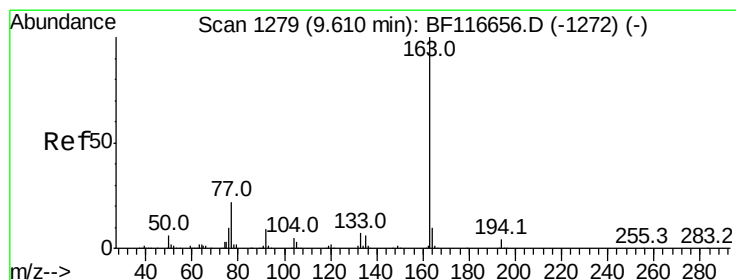
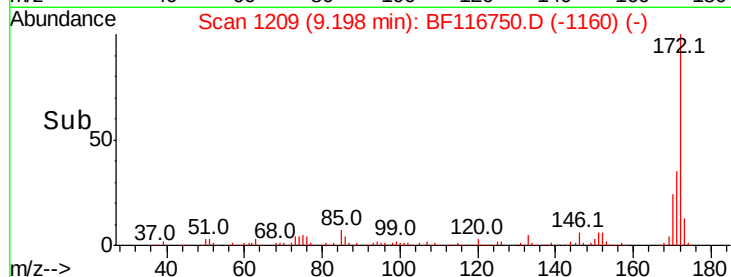
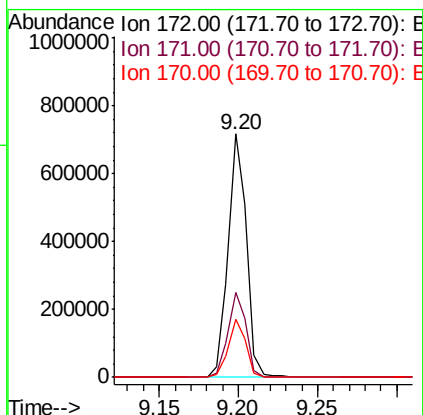
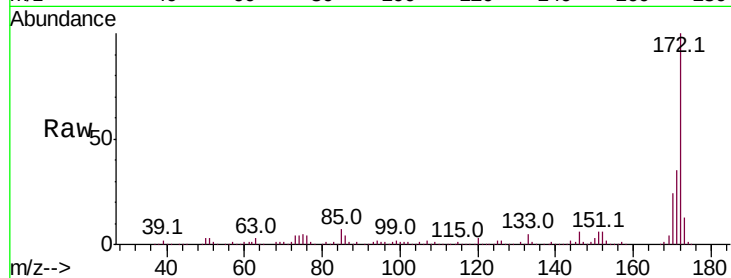




#45
2-Fluorobiphenyl
Concen: 53.963 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

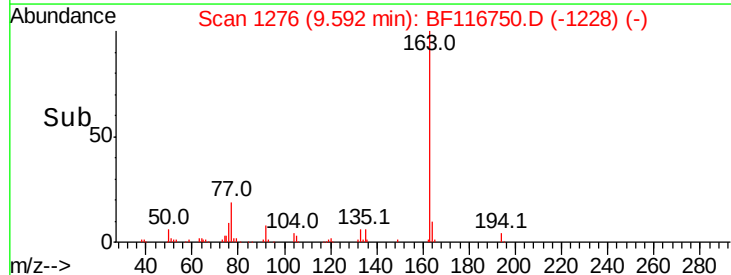
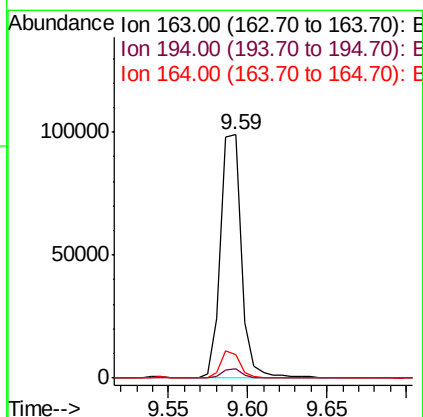
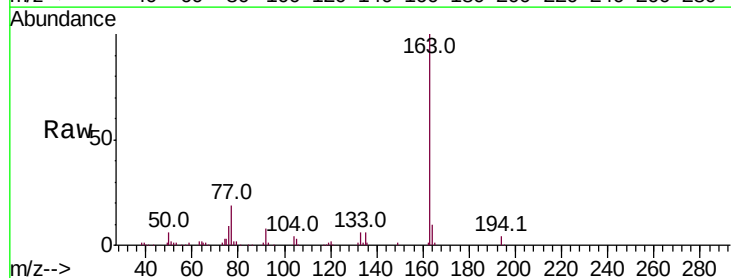
Instrument :
BNA_F
ClientSampleId :

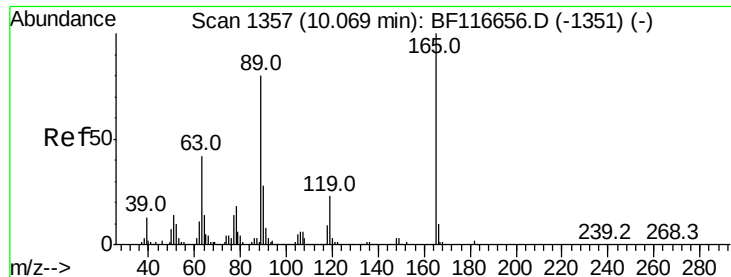
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.7	18.9	28.3



#50
Dimethylphthalate
Concen: 7.293 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

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

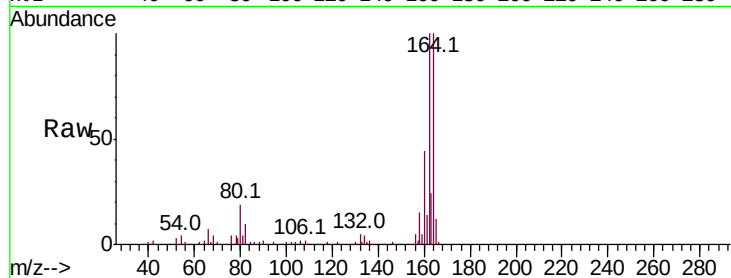




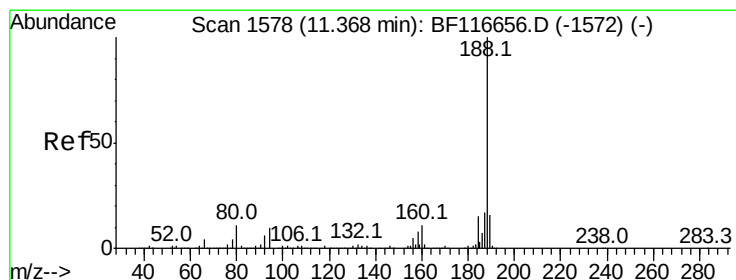
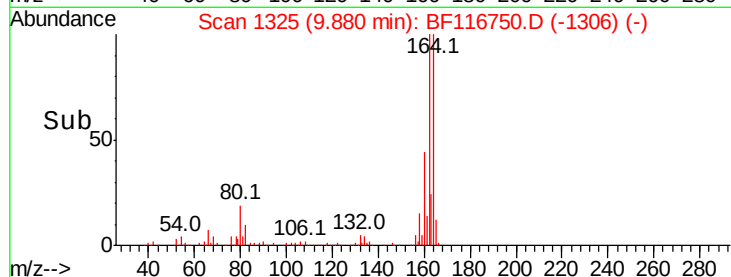
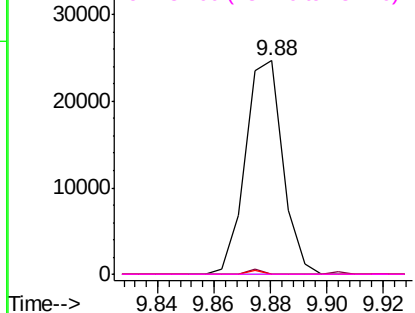
#57
 2,4-Dinitrotoluene
 Concen: 7.818 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116750.D
 Acq: 1 Sep 2019 18:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	22702
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#

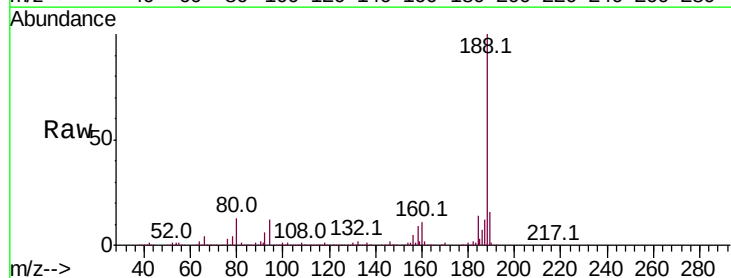


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

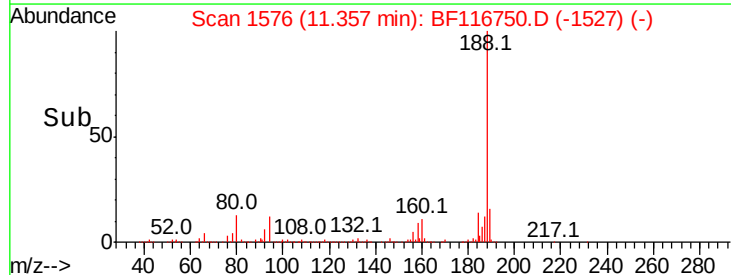
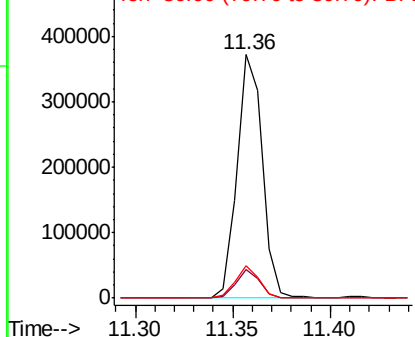


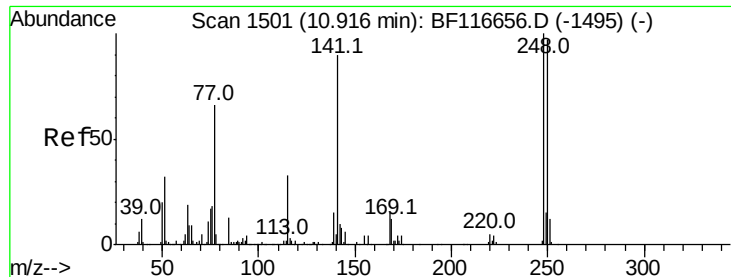
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116750.D
 Acq: 1 Sep 2019 18:42

Tgt Ion:	188	Resp:	333907
Ion	Ratio	Lower	Upper
188	100		
94	11.8	7.3	10.9#
80	13.3	8.4	12.6#



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

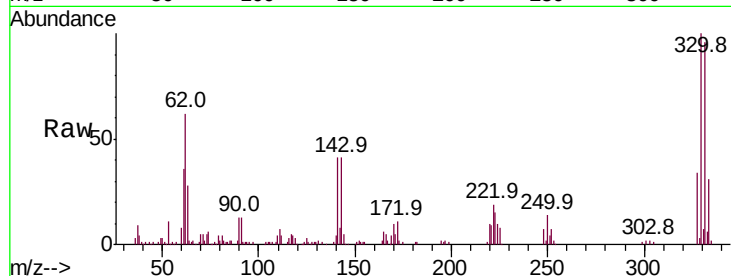




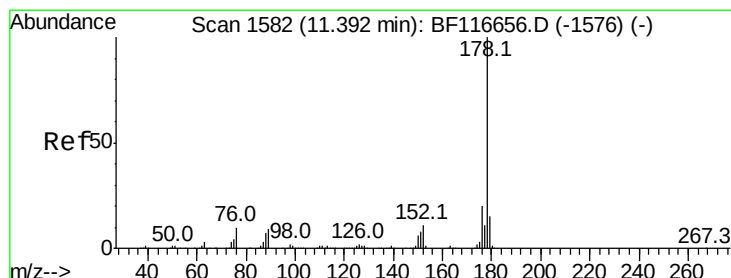
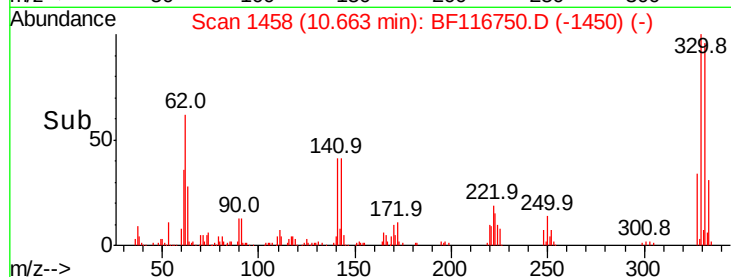
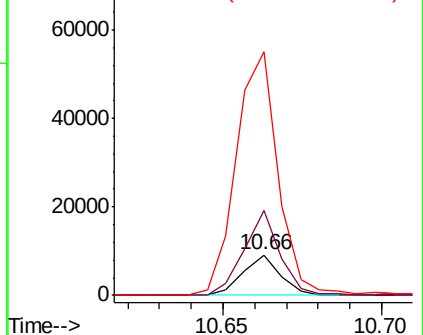
#67
 4-Bromophenyl-phenylether
 Concen: 2.200 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116750.D
 Acq: 1 Sep 2019 18:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7464
 Ion Ratio Lower Upper
 248 100
 250 210.0 77.8 116.8#
 141 602.5 75.9 113.9#

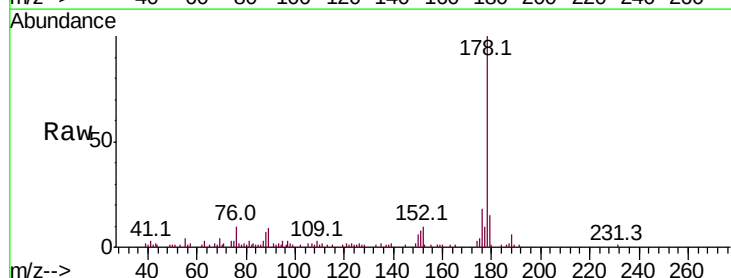


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

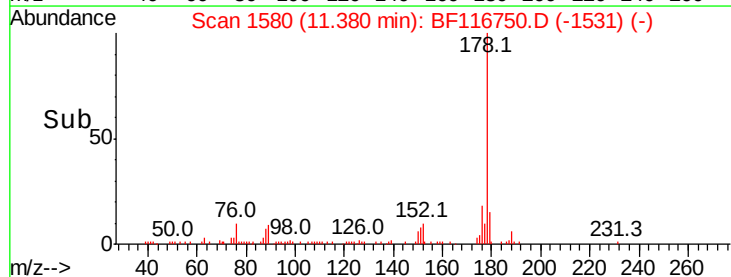
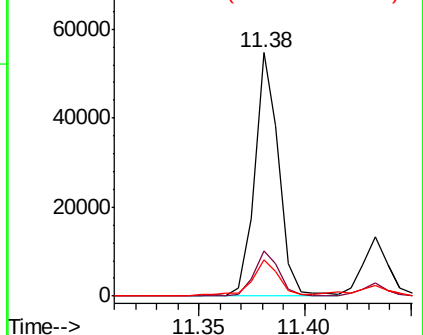


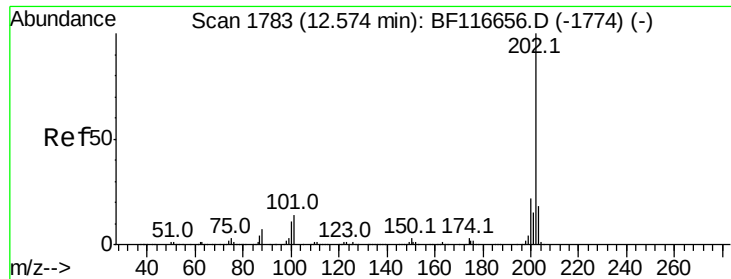
#71
 Phenanthrene
 Concen: 2.328 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF116750.D
 Acq: 1 Sep 2019 18:42

Tgt Ion:178 Resp: 43263
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 14.9 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: 6.713 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

Instrument :

BNA_F

ClientSampleId :

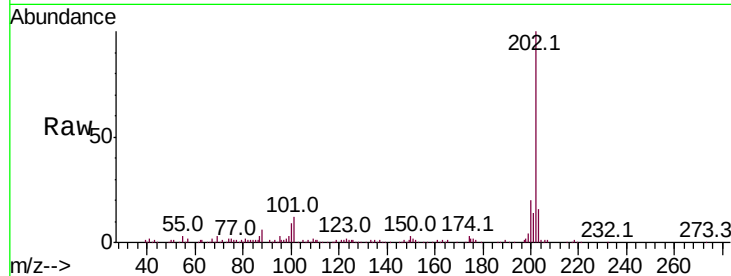
Tot Ion:202 Resp: 122624

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.3

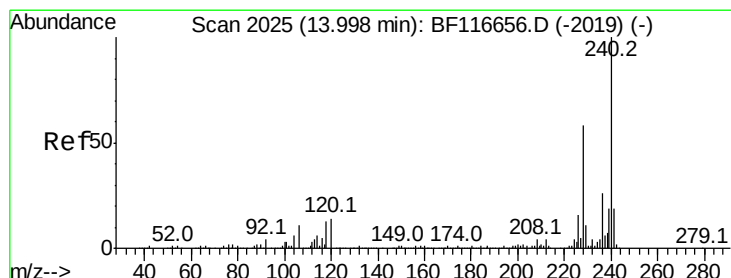
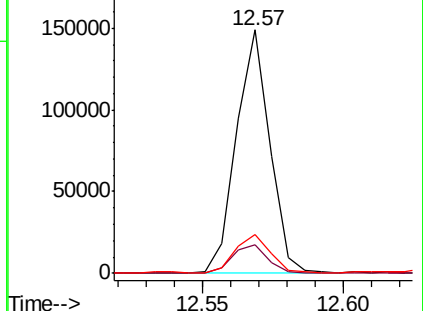
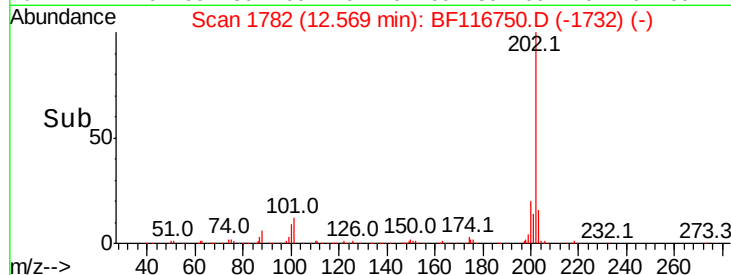
203 16.2 0.0 37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

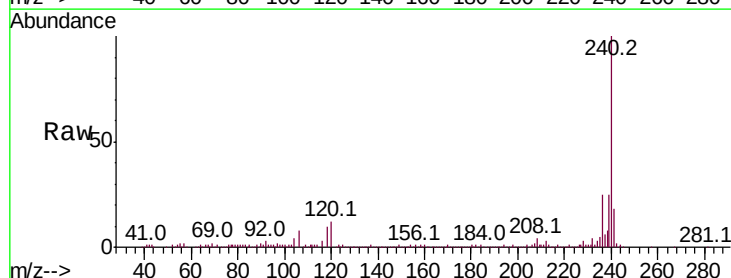
Tgt Ion:240 Resp: 253764

Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

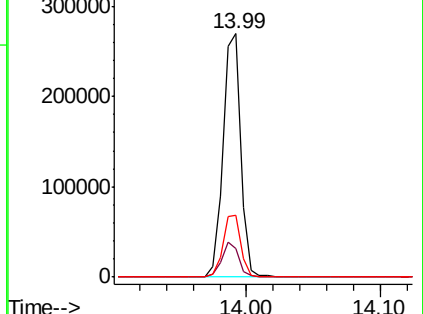
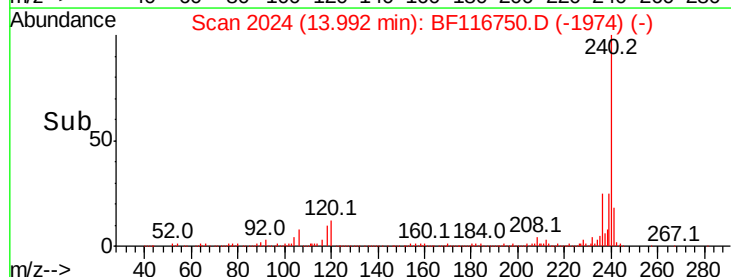
236 25.2 21.1 31.7

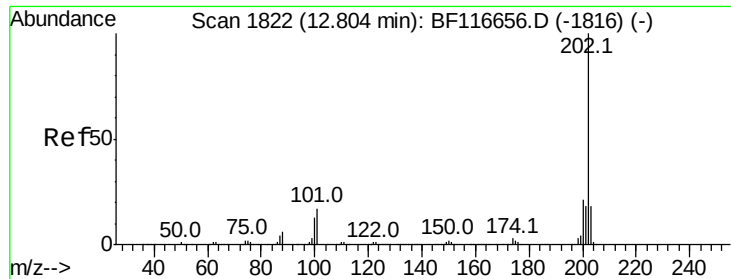


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.256 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

Instrument :

BNA_F

ClientSampleId :

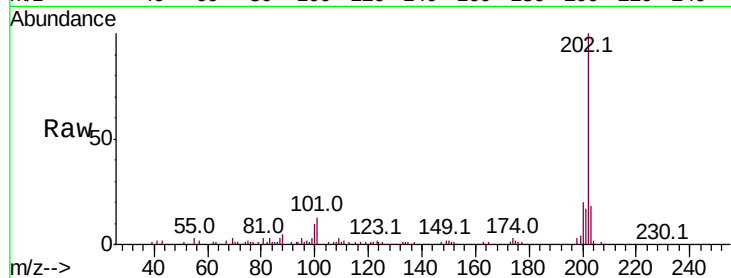
Tot Ion:202 Resp: 118569

Ion Ratio Lower Upper

202 100

200 19.5 16.5 24.7

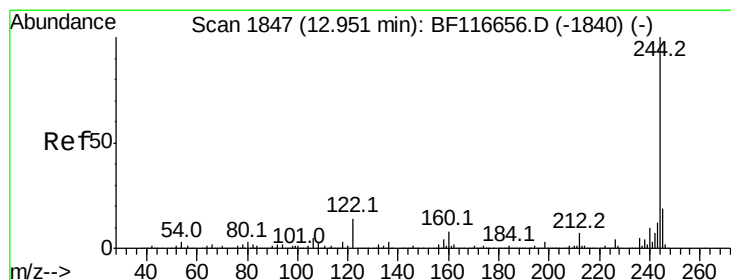
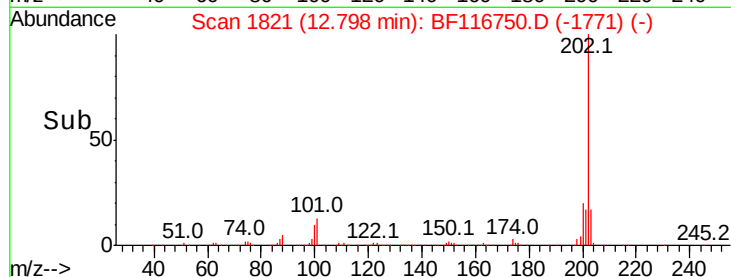
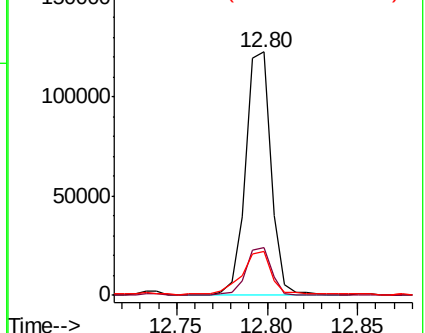
203 18.1 13.7 20.5



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: 50.359 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

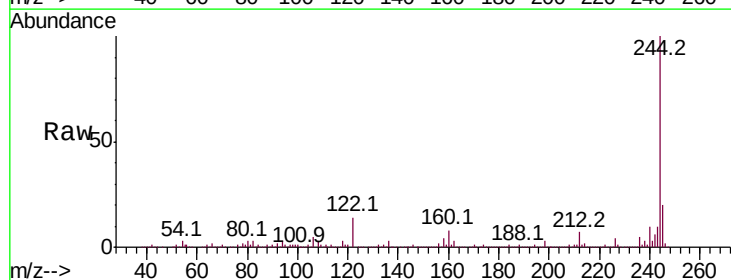
Tgt Ion:244 Resp: 690795

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

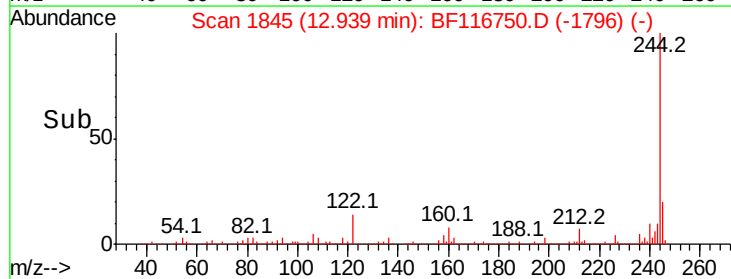
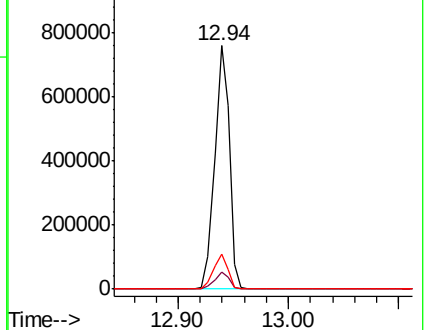
122 14.5 10.2 15.4

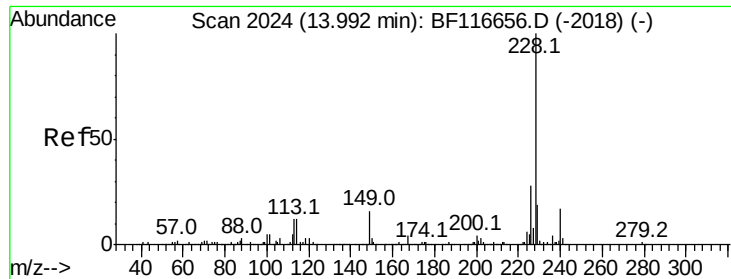


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.049 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

Instrument :

BNA_F

ClientSampleId :

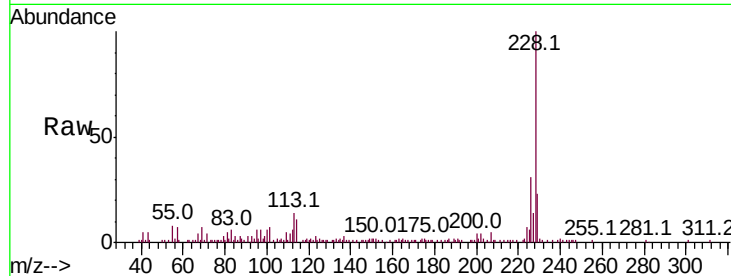
Tot Ion:228 Resp: 65026

Ion Ratio Lower Upper

228 100

226 31.3 22.0 33.0

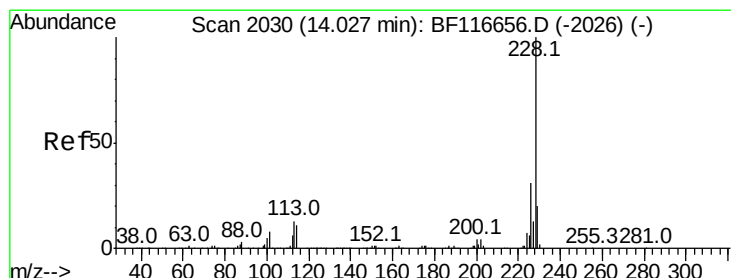
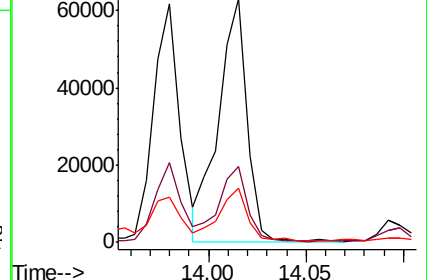
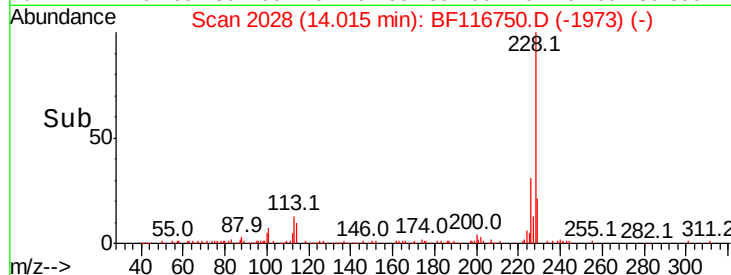
229 22.5 16.4 24.6



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: 3.930 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

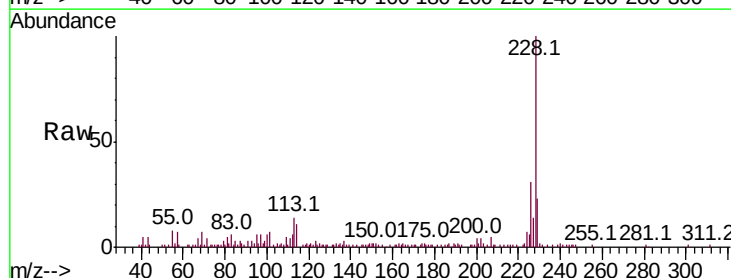
Tgt Ion:228 Resp: 65026

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

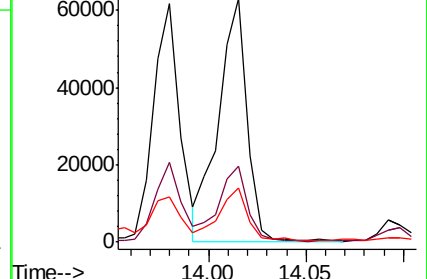
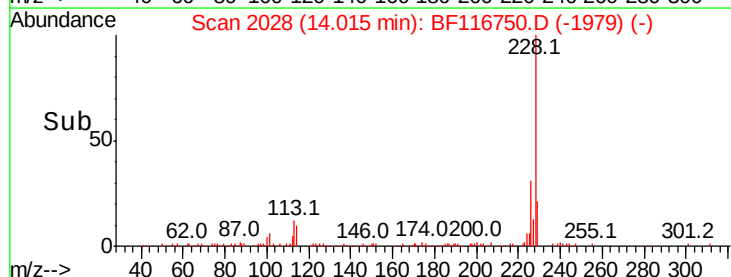
229 22.5 15.4 23.0

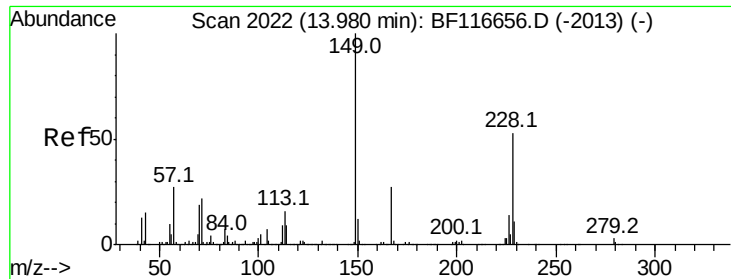


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.171 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

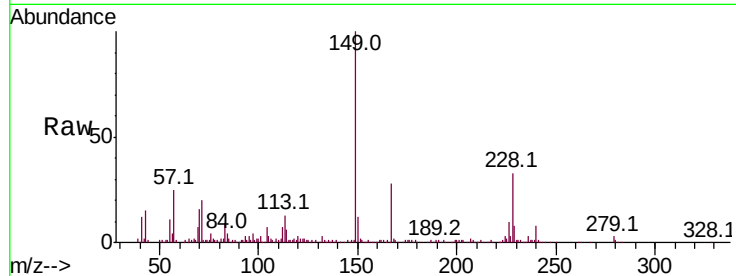
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 110650

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.0	31.4
279	3.4	2.8	4.2

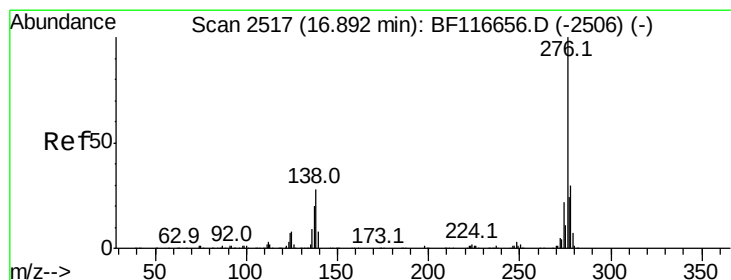
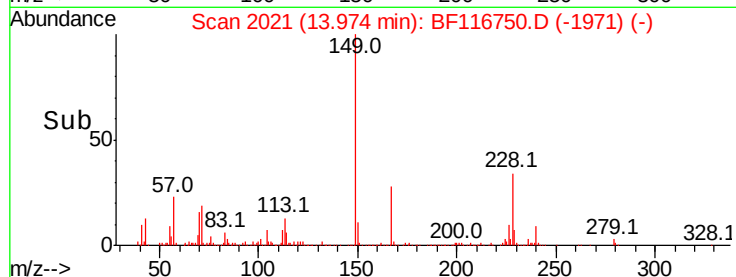
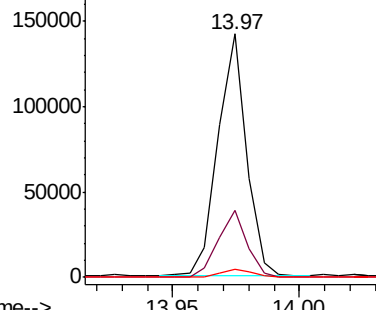


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.540 ng

RT: 16.88 min Scan# 2515

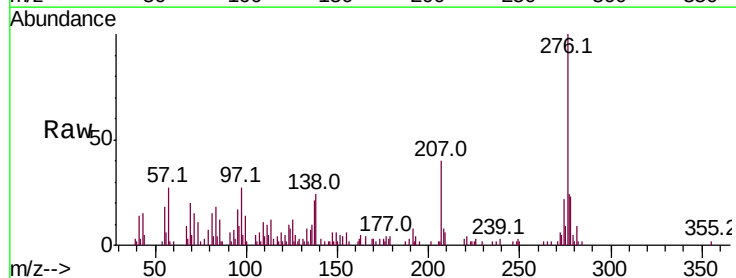
Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

Tgt Ion:276 Resp: 33755

Ion	Ratio	Lower	Upper
276	100		
138	28.9	19.4	29.2
277	25.7	20.5	30.7

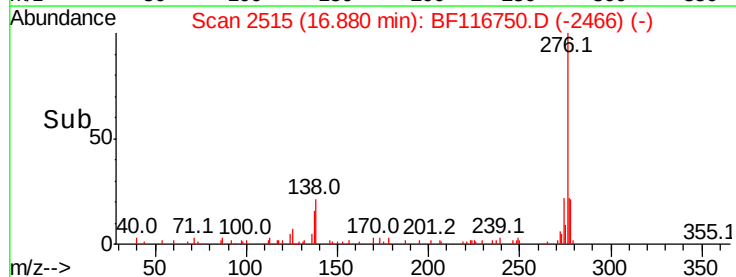
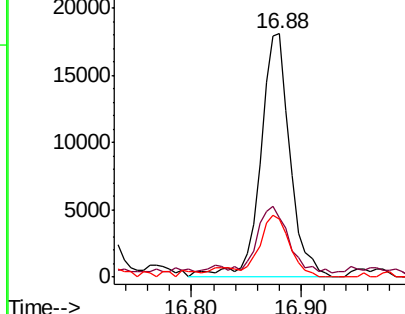


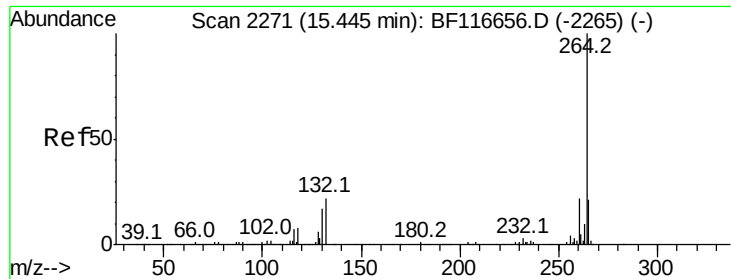
Abundance

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



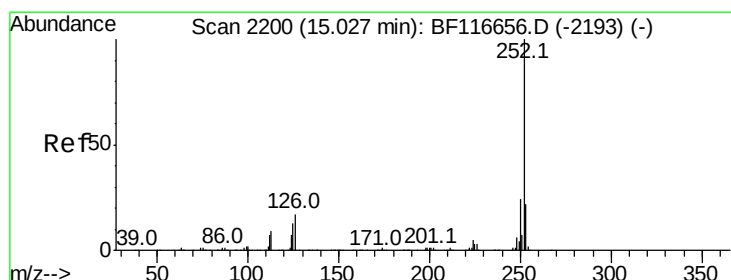
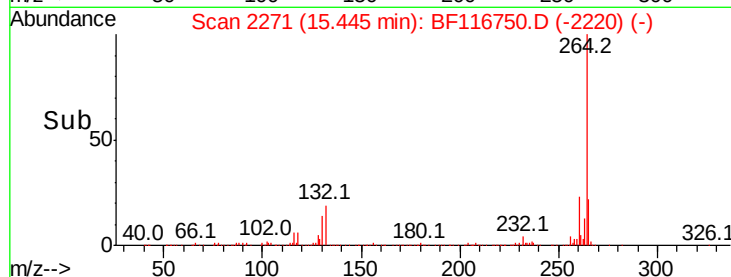
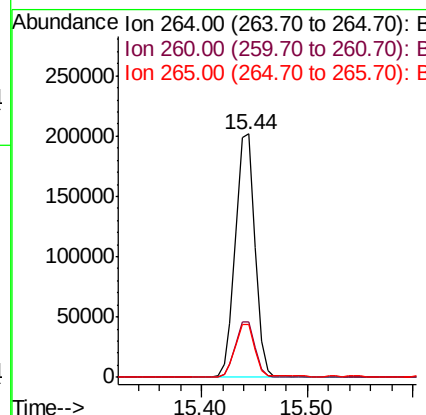
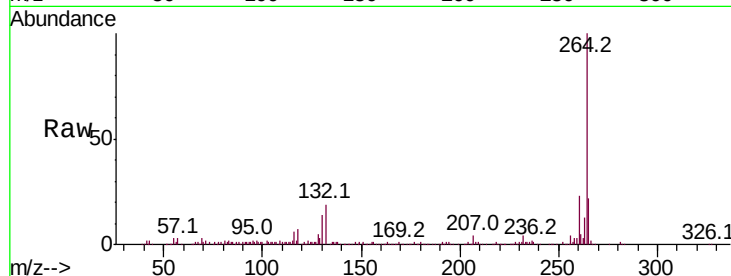


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 258063

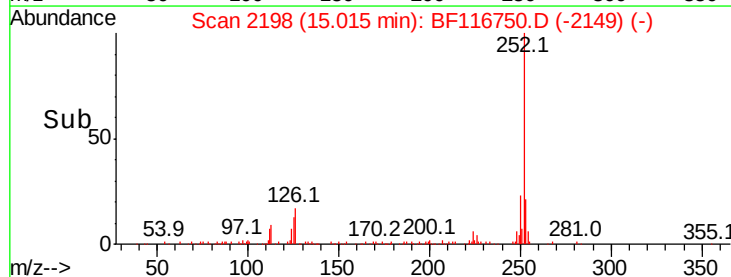
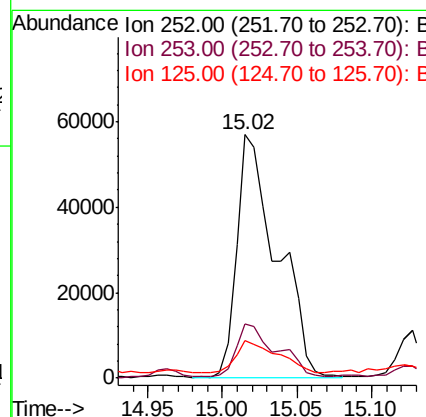
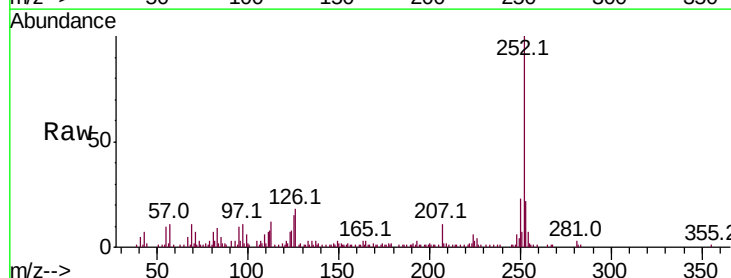
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	21.8	16.5	24.7

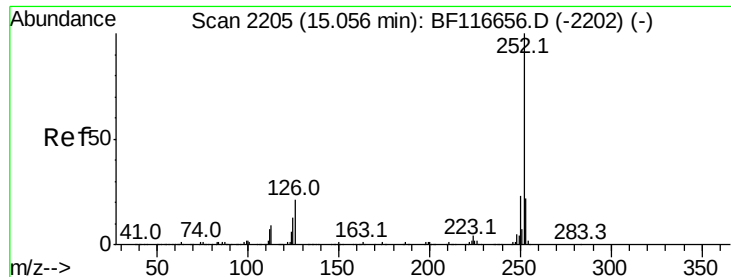


#88
Benzo(b)fluoranthene
Concen: 6.863 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Tgt Ion:252 Resp: 107080

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	15.4	8.2	12.2#

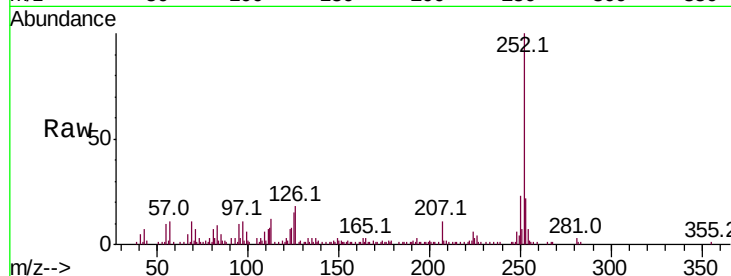




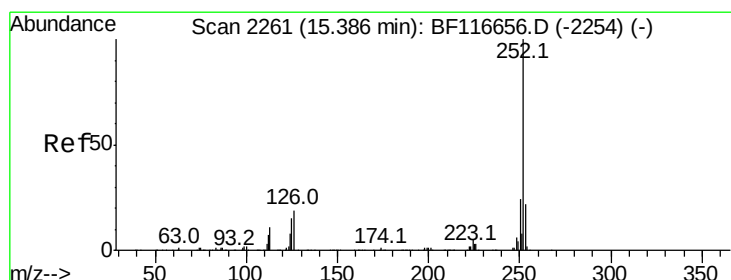
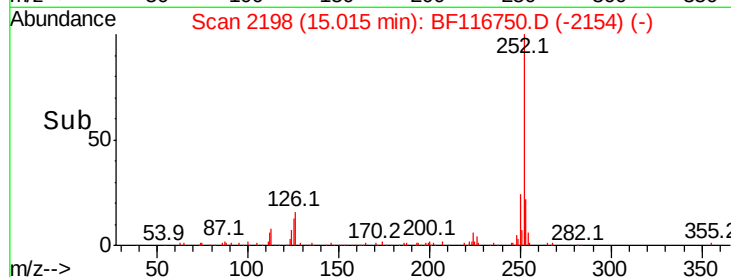
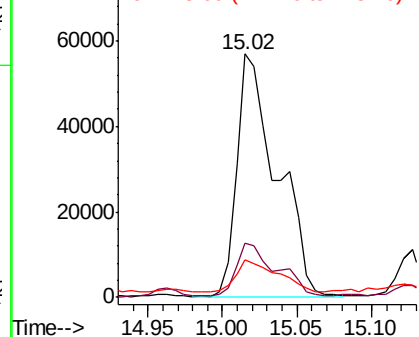
#89
Benzo(k)fluoranthene
Concen: 7.527 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 107080
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 15.4 8.6 13.0#

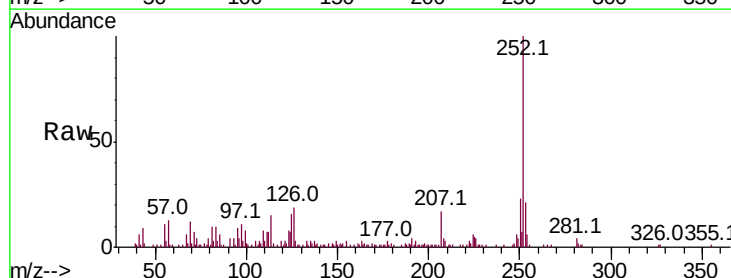


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

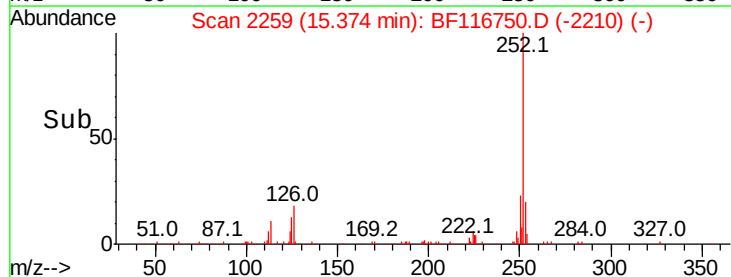
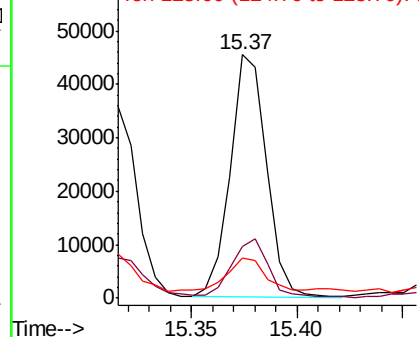


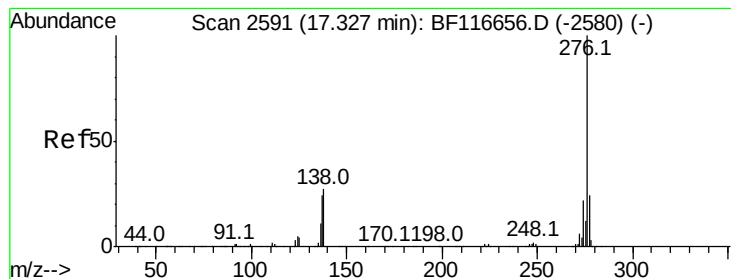
#90
Benzo(a)pyrene
Concen: 3.959 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF116750.D
Acq: 1 Sep 2019 18:42

Tgt Ion:252 Resp: 53741
Ion Ratio Lower Upper
252 100
253 21.2 18.1 27.1
125 16.4 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(a,h,i)perylene

Concen: 2.424 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.01 min

Lab File: BF116750.D

Acq: 1 Sep 2019 18:42

Instrument :

BNA_F

ClientSampleId :

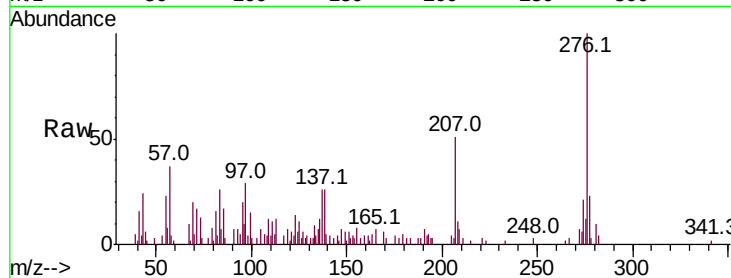
Tot Ion: 276 Resp: 29373

Ion Ratio Lower Upper

276 100

277 23.4 18.5 27.7

138 25.7 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

