

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117970.D
 Acq On : 23 Nov 2019 21:25
 Operator : JU
 Sample : K5671-11RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 25 07:54:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	123529	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	557831	20.00	ng	-0.02
39) Acenaphthene-d10	9.95	164	295797	20.00	ng	-0.02
64) Phenanthrene-d10	11.44	188	545250	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	268404	20.00	ng	-0.02
87) Perylene-d12	15.60	264	306518	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	648077	92.87	ng	-0.02
7) Phenol-d6	6.52	99	833110	98.98	ng	-0.02
23) Nitrobenzene-d5	7.46	82	512780	54.64	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	275482	87.97	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	1056117	64.05	ng	-0.02
79) Terphenyl-d14	13.03	244	900582	61.32	ng	-0.02

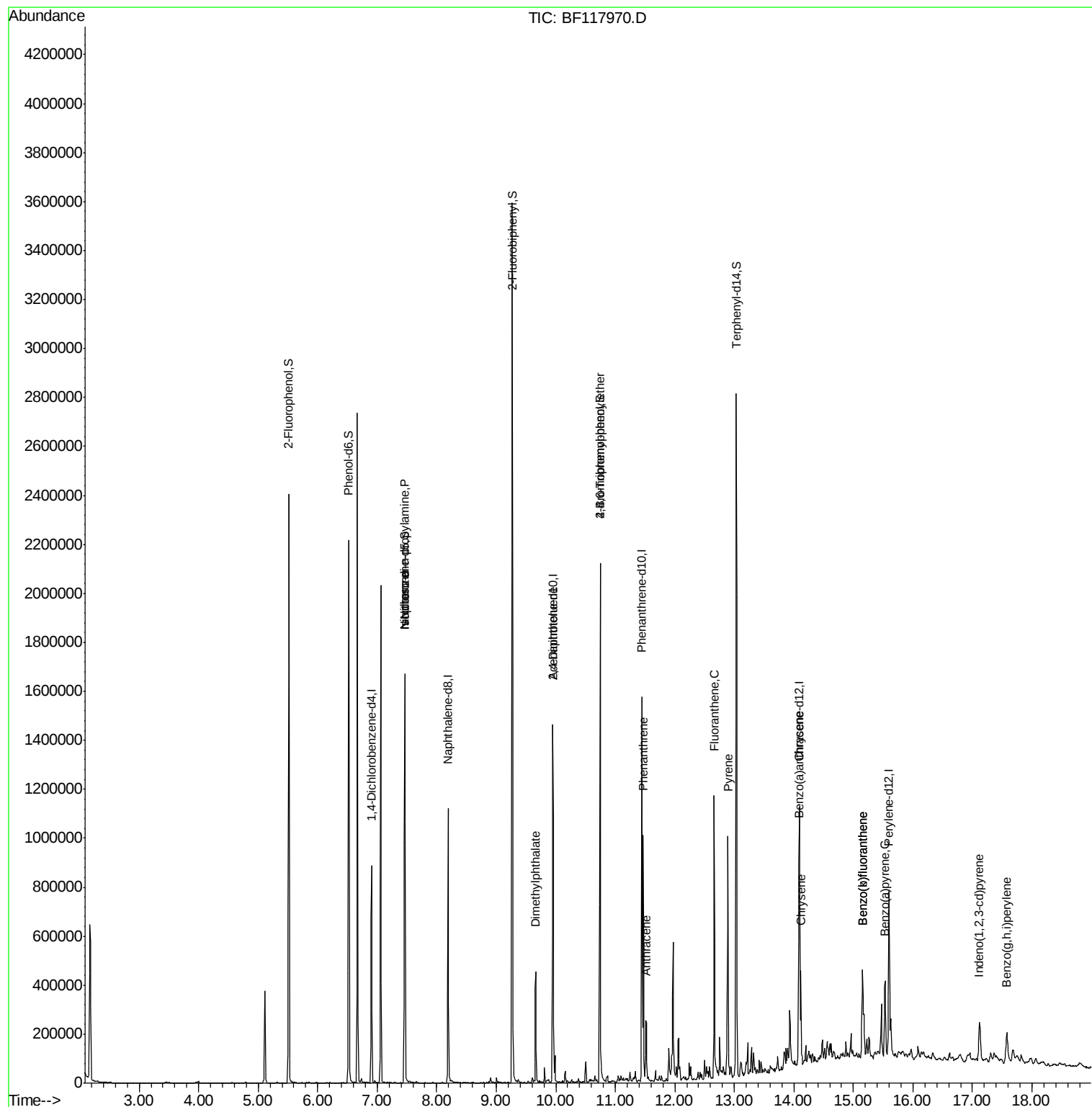
Target Compounds				Qvalue		
9) Benzaldehyde	6.53	77	1515	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.46	70	70072	13.494	ng	# 73
25) Isophorone	7.46	82	509056	29.598	ng	# 62
50) Dimethylphthalate	9.66	163	189741	9.147	ng	97
57) 2,4-Dinitrotoluene	9.95	165	38360	6.652	ng	# 25
67) 4-Bromophenyl-phenylether	10.75	248	17341	2.948	ng	# 1
71) Phenanthrene	11.47	178	342746	12.503	ng	97
72) Anthracene	11.52	178	95521	3.514	ng	97
75) Fluoranthene	12.66	202	421863	11.257	ng	99
78) Pyrene	12.89	202	366756	16.908	ng	97
81) Benzo(a)anthracene	14.08	228	168650	9.509	ng	99
83) Chrysene	14.12	228	145495	8.466	ng	98
86) Indeno(1,2,3-cd)pyrene	17.12	276	105087	7.184	ng	96
88) Benzo(b)fluoranthene	15.15	252	269187	13.517	ng	99
89) Benzo(k)fluoranthene	15.15	252	269187	14.346	ng	98
90) Benzo(a)pyrene	15.53	252	149579	8.542	ng	99
92) Benzo(a,h,i)perylene	17.58	276	104940	6.990	ng	99

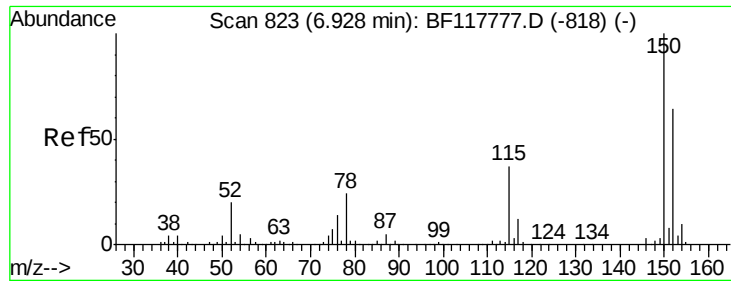
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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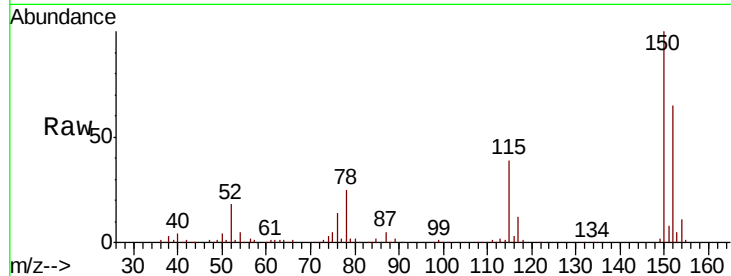


#1

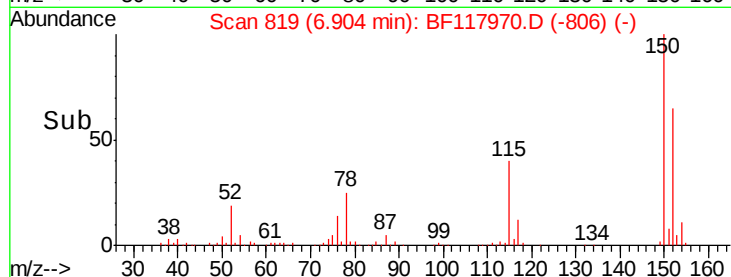
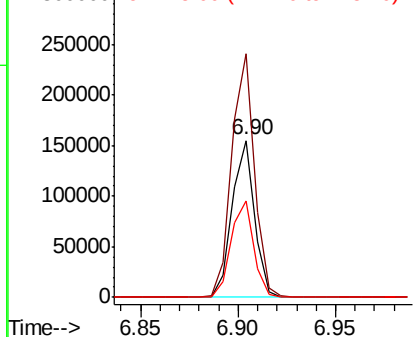
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 123529
Ion Ratio Lower Upper
152 100
150 155.0 125.3 187.9
115 61.2 47.0 70.4



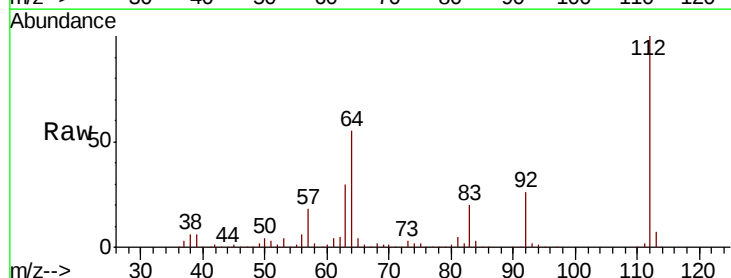
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



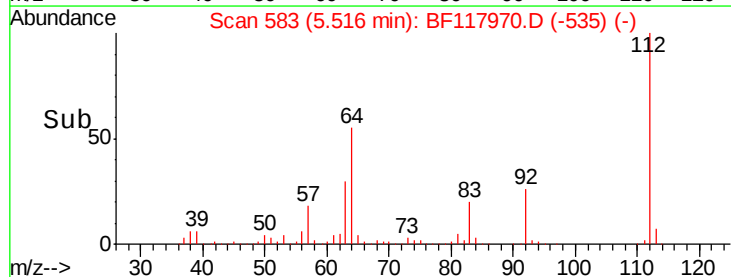
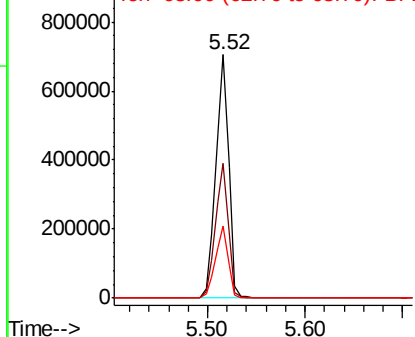
#5

2-Fluorophenol
Concen: 92.866 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:112 Resp: 648077
Ion Ratio Lower Upper
112 100
64 55.3 45.6 68.4
63 29.8 24.1 36.1



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: 98.975 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Instrument :

BNA_F

ClientSampled :

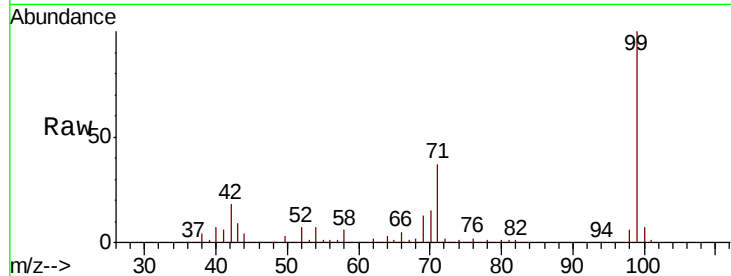
Tot Ion: 99 Resp: 833110

Ion Ratio Lower Upper

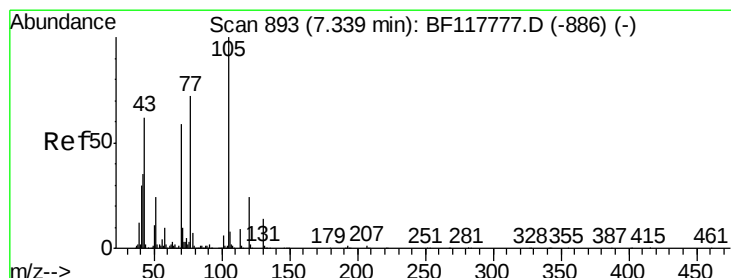
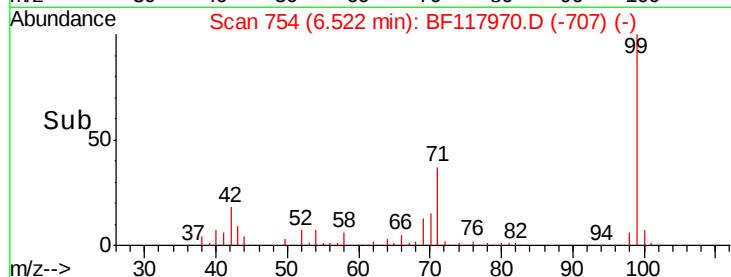
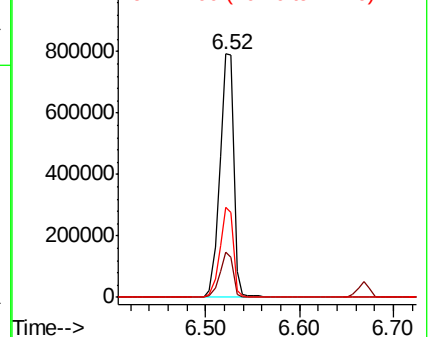
99 100

42 18.4 14.9 22.3

71 36.8 28.6 43.0



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: 13.494 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.12 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Tgt Ion: 70 Resp: 70072

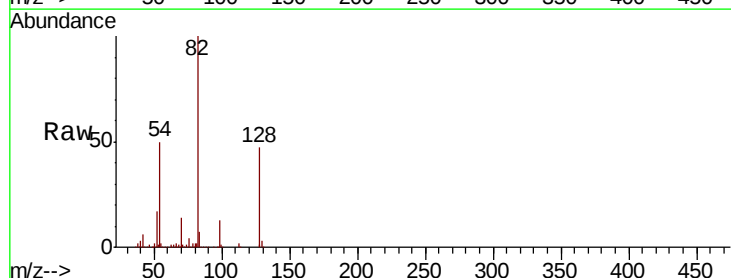
Ion Ratio Lower Upper

70 100

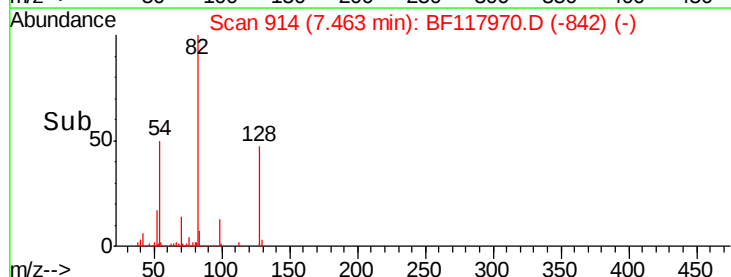
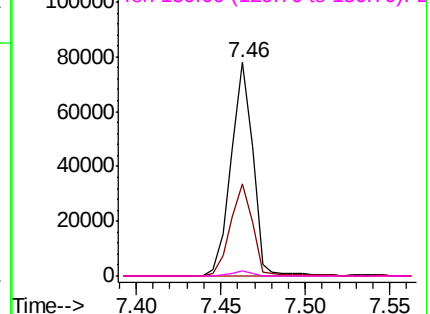
42 43.5 47.4 71.2#

101 0.0 8.4 12.6#

130 2.4 18.8 28.2#



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

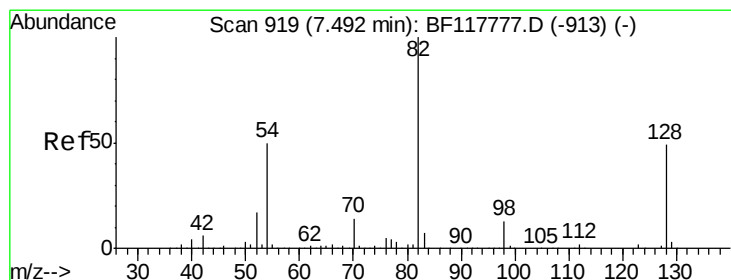
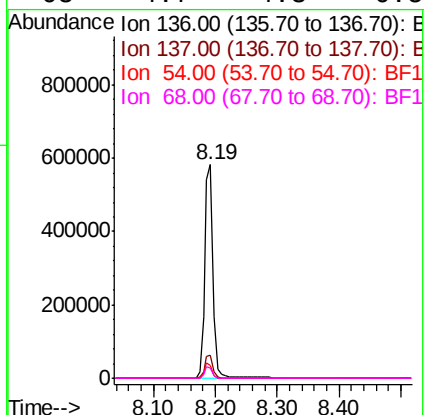
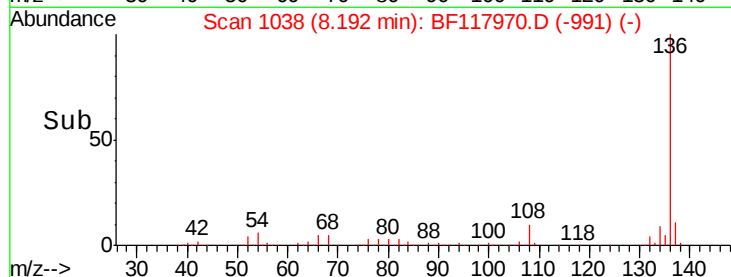
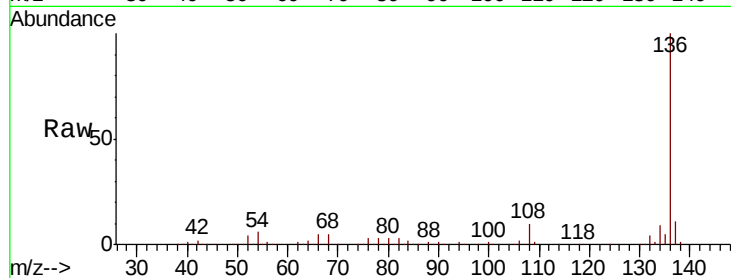




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

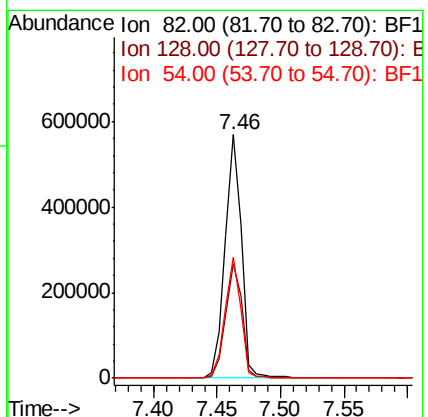
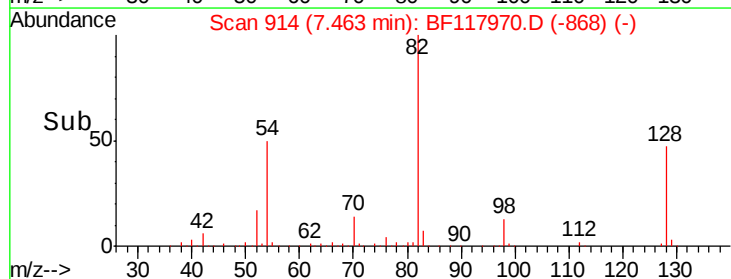
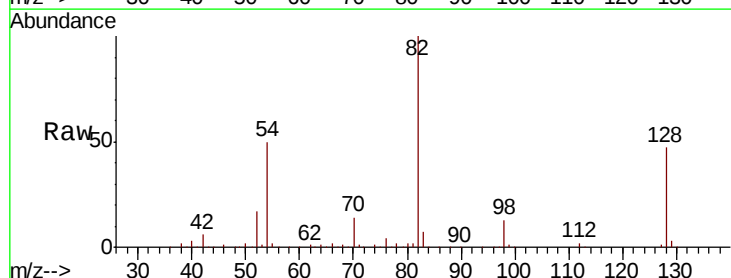
Instrument :
BNA_F
ClientSampleId :

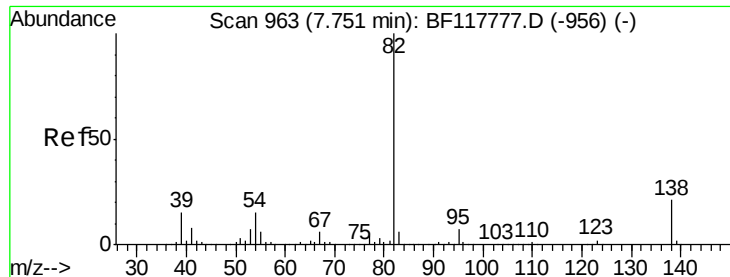
Tot Ion:136	Resp:	557831
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	6.2	5.4 8.2
68	4.7	4.3 6.5



#23
Nitrobenzene-d5
Concen: 54.645 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion: 82	Resp:	512780
Ion Ratio	Lower	Upper
82	100	
128	46.7	38.9 58.3
54	49.6	39.8 59.6





#25

Isophorone

Concen: 29.598 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.29 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Instrument :

BNA_F

ClientSampleId :

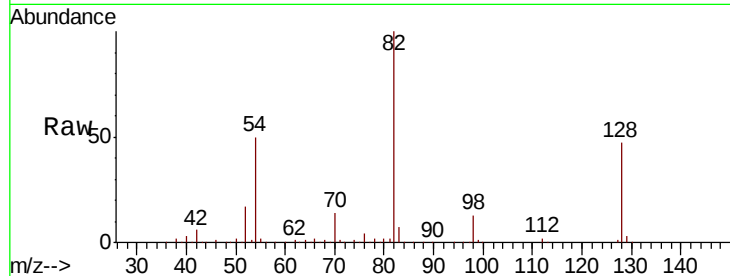
Tot Ion: 82 Resp: 509056

Ion Ratio Lower Upper

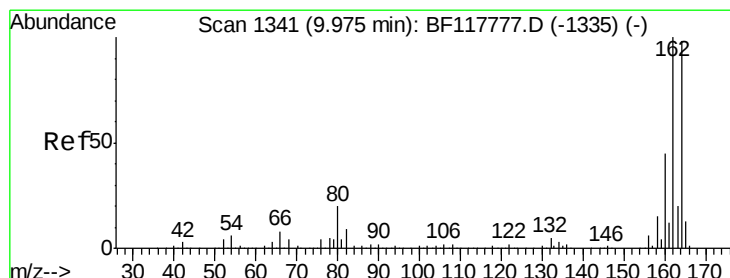
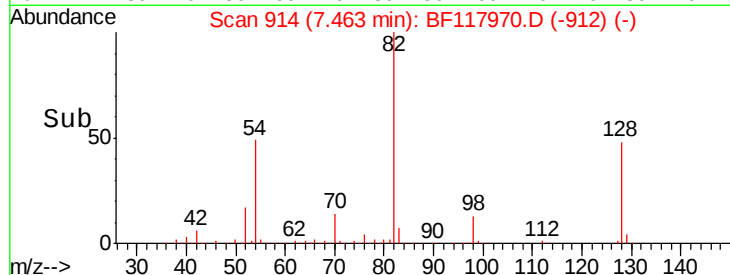
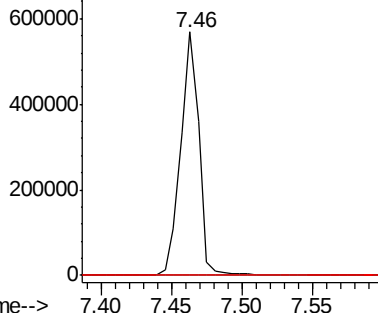
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

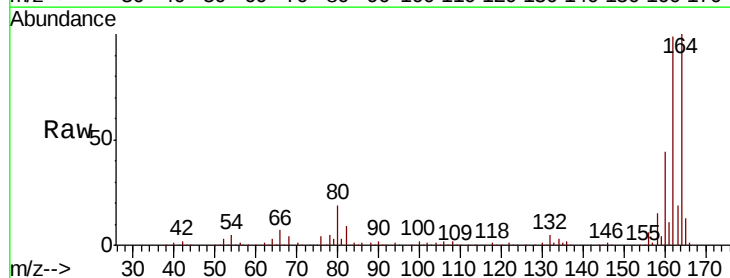
Tgt Ion: 164 Resp: 295797

Ion Ratio Lower Upper

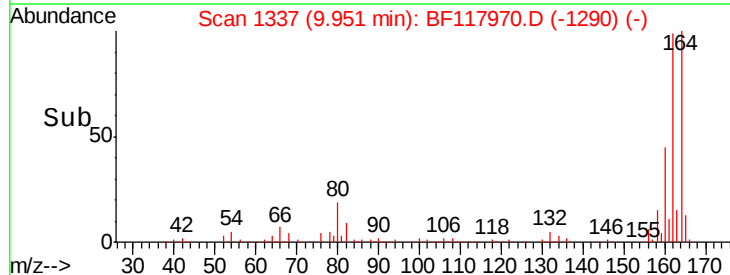
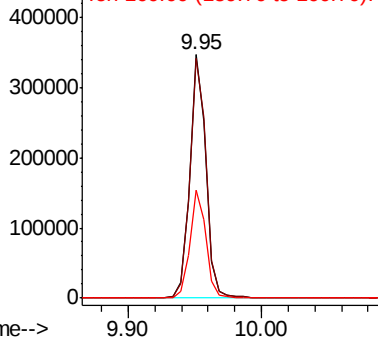
164 100

162 98.6 81.3 121.9

160 44.4 36.6 55.0



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

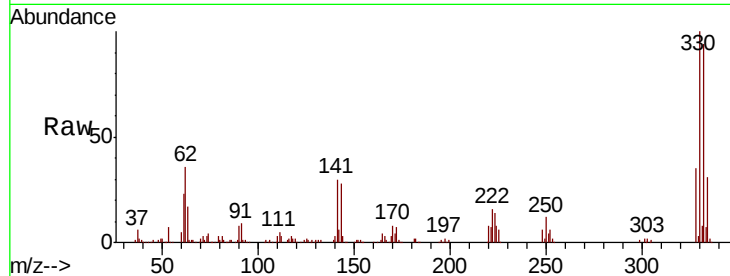




#42
 2,4,6-Tribromophenol
 Concen: 87.969 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.02 min
 Lab File: BF117970.D
 Acq: 23 Nov 2019 21:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.7	115.1
141	33.9	27.7	41.5

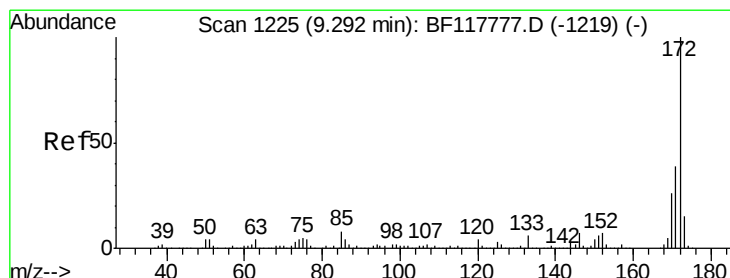
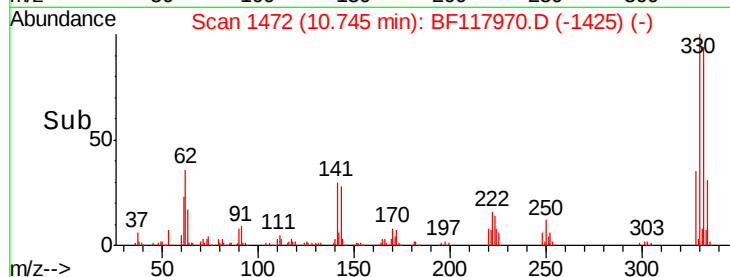
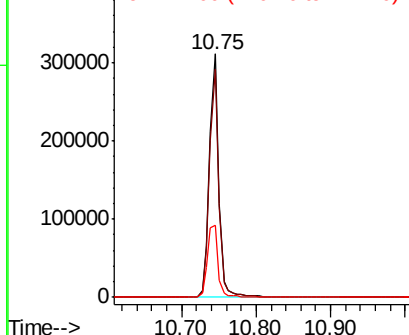


Abundance

Ion 329.80 (329.50 to 330.50): E

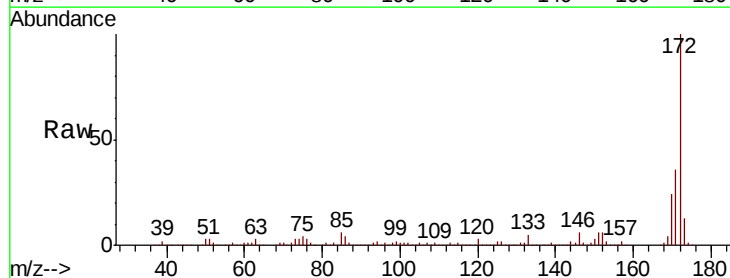
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.054 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.02 min
 Lab File: BF117970.D
 Acq: 23 Nov 2019 21:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.9	46.3
170	24.1	21.0	31.4

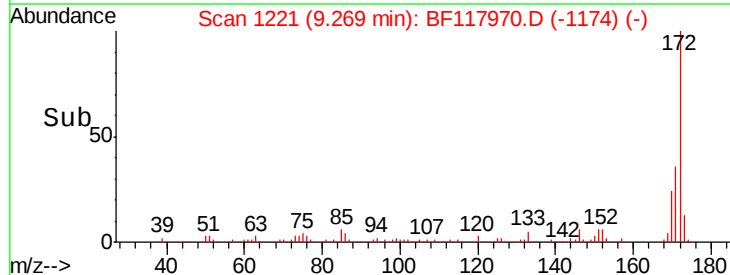
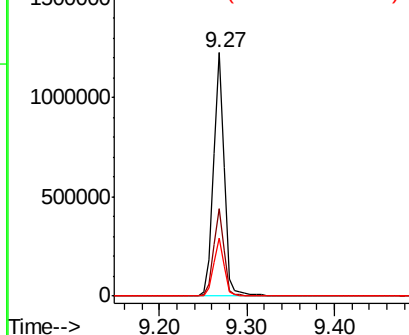


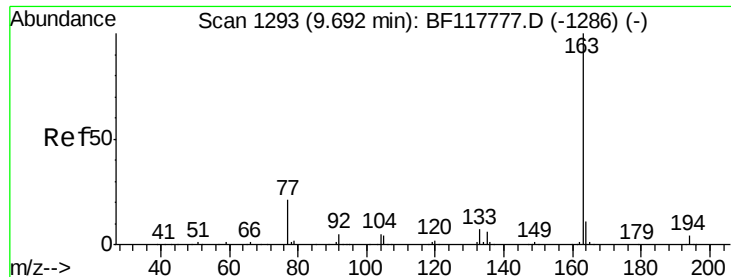
Abundance

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

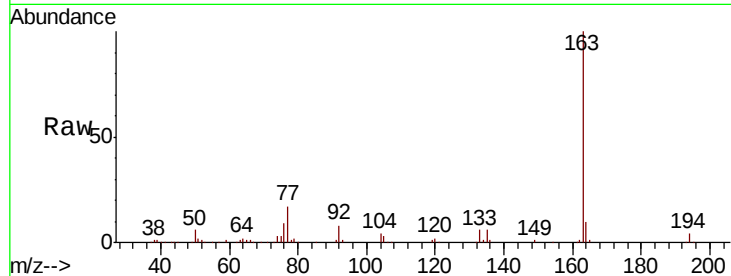




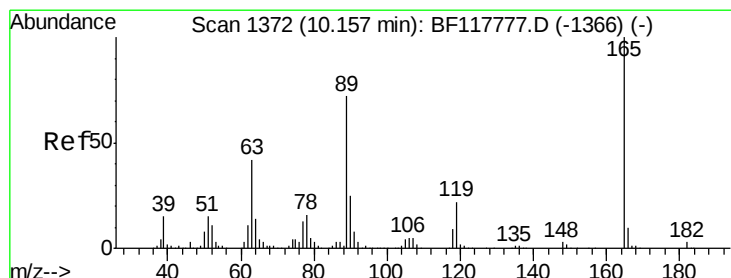
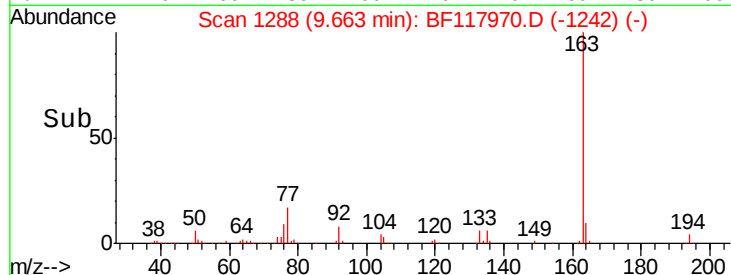
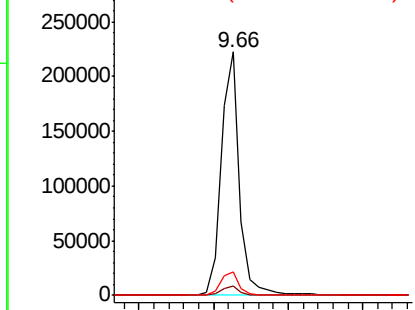
#50
Dimethylphthalate
Concen: 9.147 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 189741
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.6 8.7 13.1

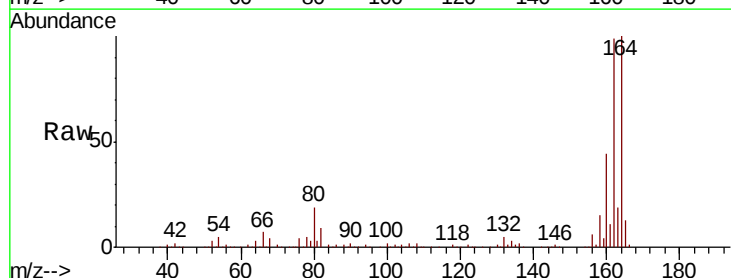


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

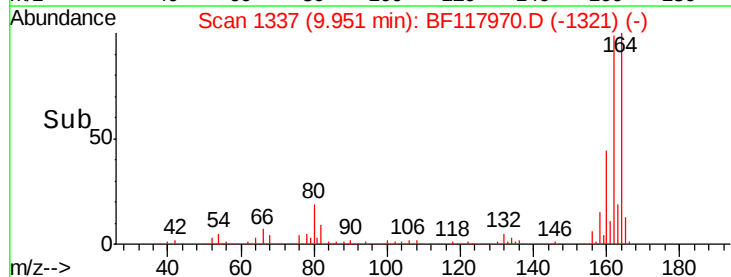
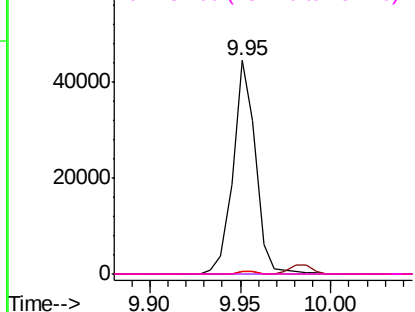


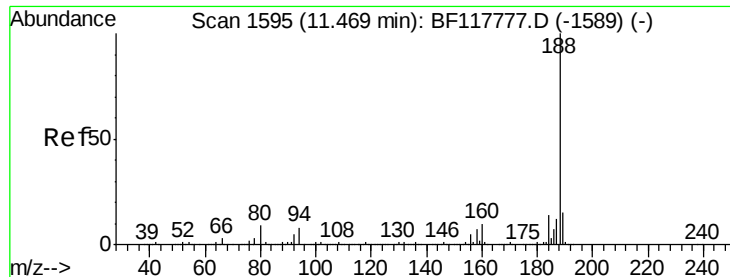
#57
2,4-Dinitrotoluene
Concen: 6.652 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.21 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:165 Resp: 38360
Ion Ratio Lower Upper
165 100
63 1.2 33.7 50.5#
89 1.5 57.3 85.9#
182 0.0 2.3 3.5#



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: 11.44 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Instrument :

BNA_F

ClientSampleId :

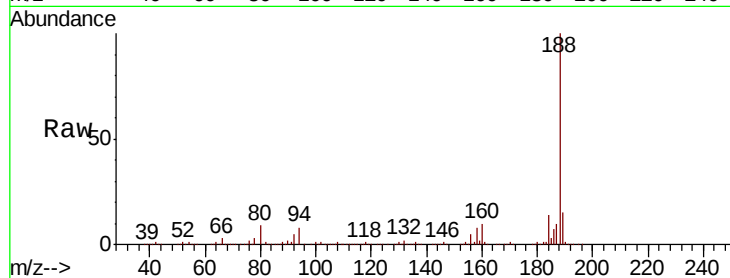
Tot Ion:188 Resp: 545250

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

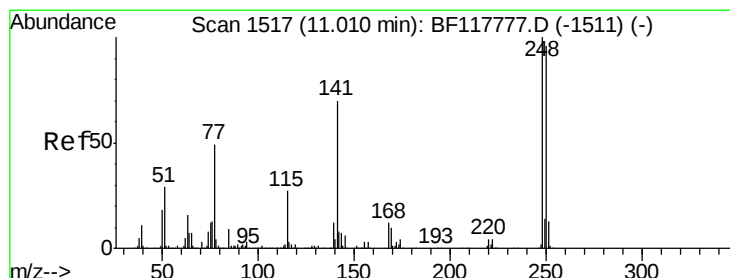
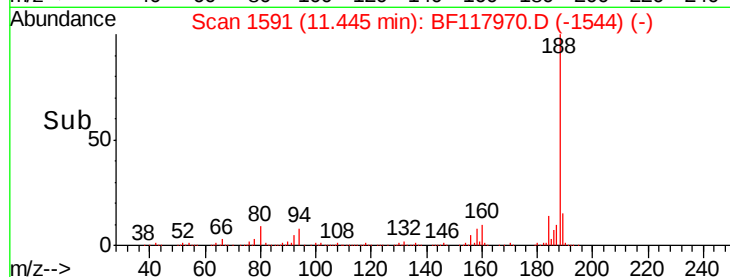
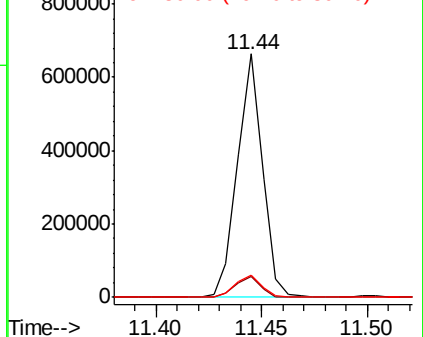
80 9.2 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.948 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.26 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

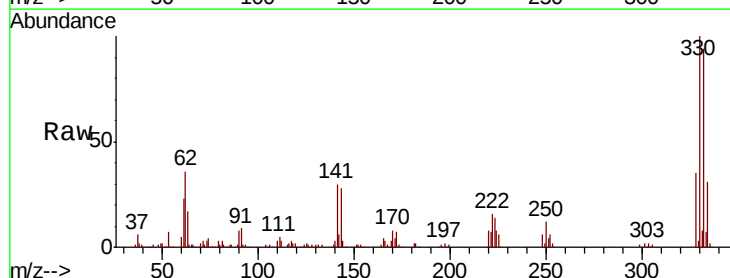
Tgt Ion:248 Resp: 17341

Ion Ratio Lower Upper

248 100

250 189.5 76.6 115.0#

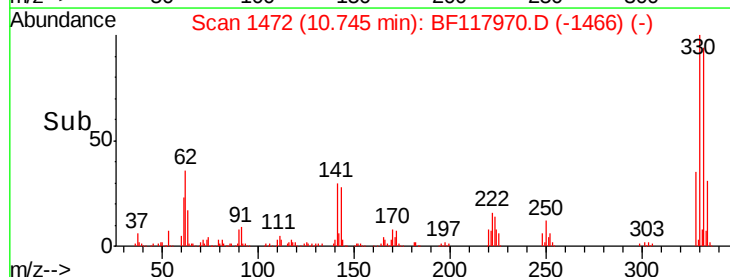
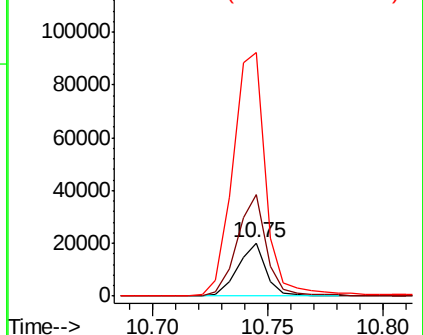
141 456.8 55.9 83.9#

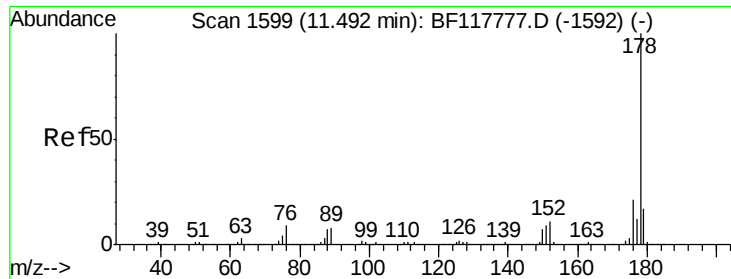


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

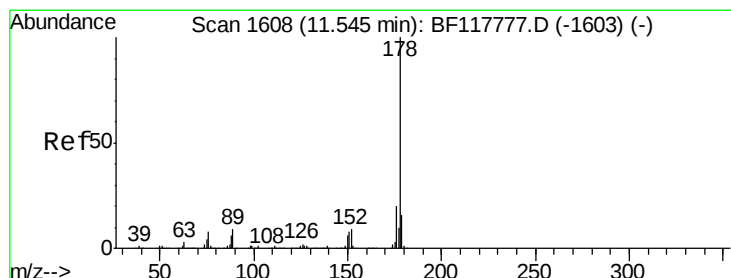
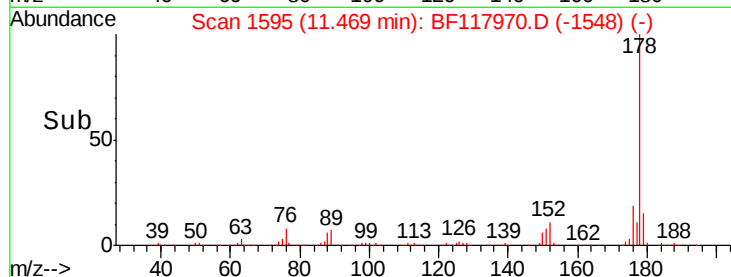
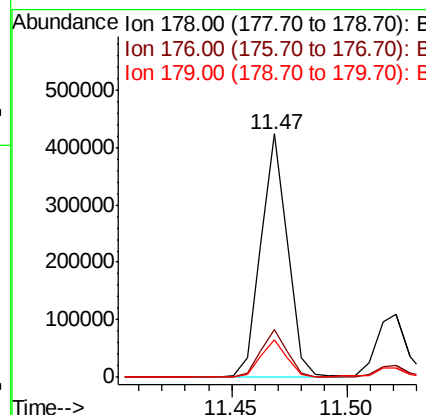
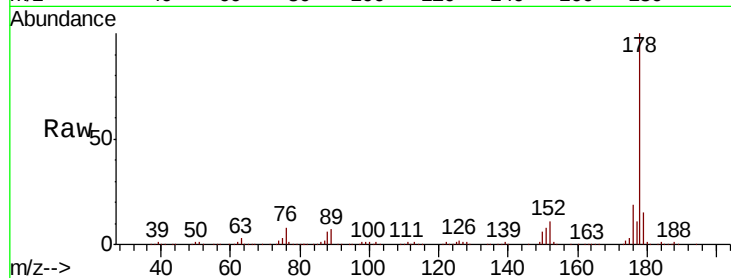




#71
 Phenanthrene
 Concen: 12.503 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: BF117970.D
 Acq: 23 Nov 2019 21:25

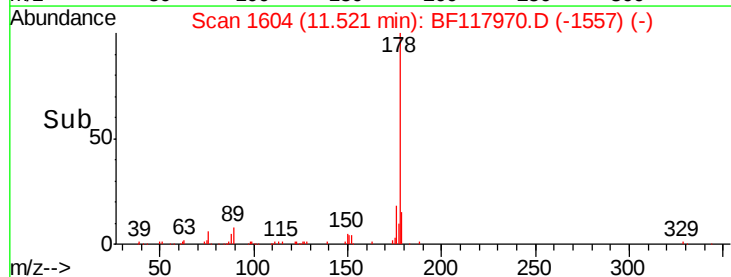
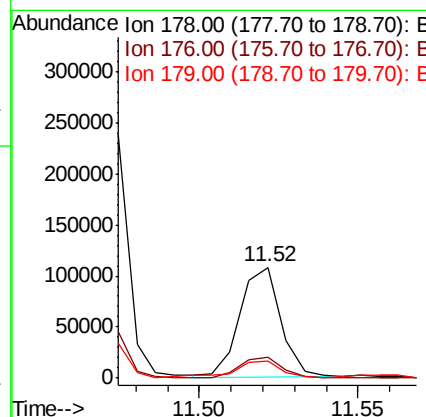
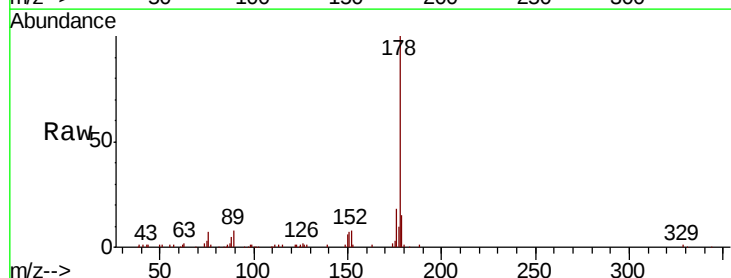
Instrument :
 BNA_F
 ClientSampled :

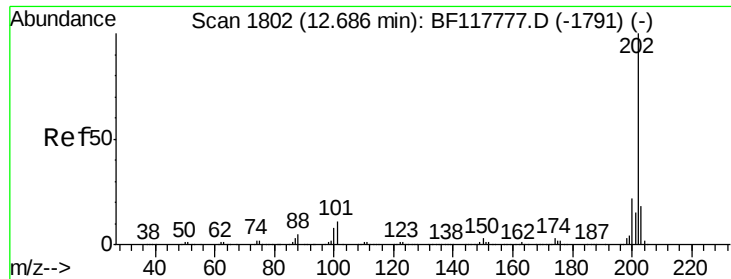
Tot Ion:178 Resp: 342746
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.6 25.0
 179 15.4 13.2 19.8



#72
 Anthracene
 Concen: 3.514 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF117970.D
 Acq: 23 Nov 2019 21:25

Tgt Ion:178 Resp: 95521
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.1 24.1
 179 15.4 13.0 19.4





#75

Fluoranthene

Concen: 11.257 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Instrument :

BNA_F

ClientSampleId :

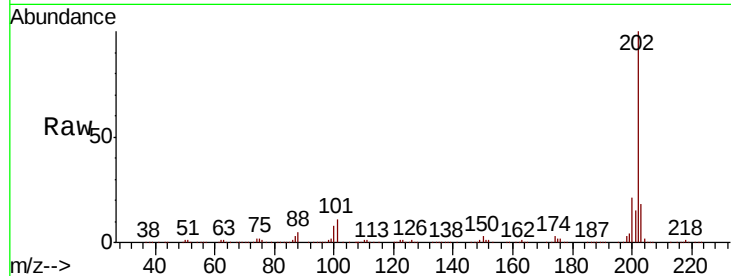
Tot Ion:202 Resp: 421863

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.1

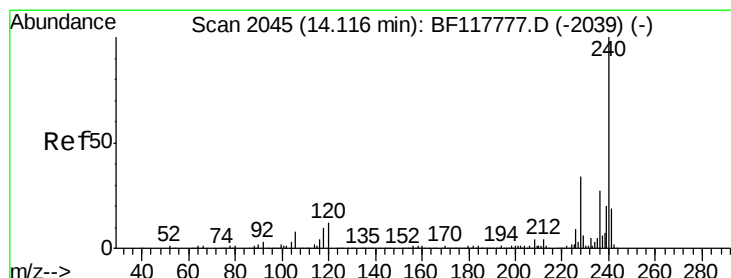
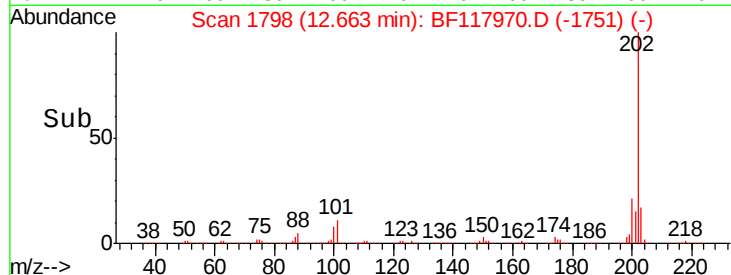
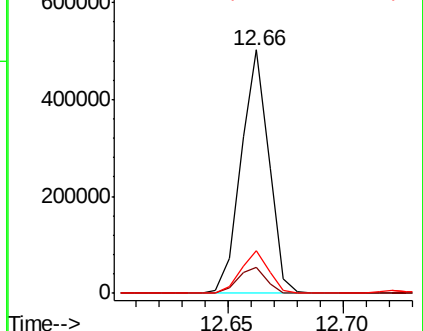
203 17.5 0.0 38.2



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: 14.09 min Scan# 2041

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

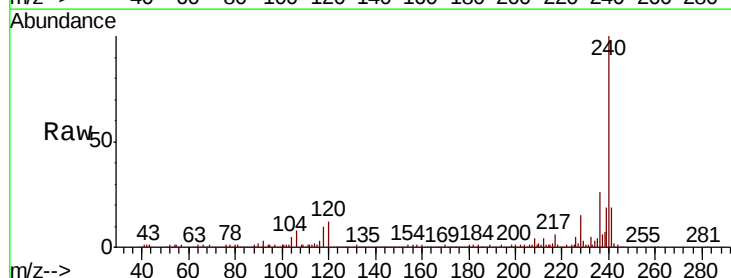
Tgt Ion:240 Resp: 268404

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

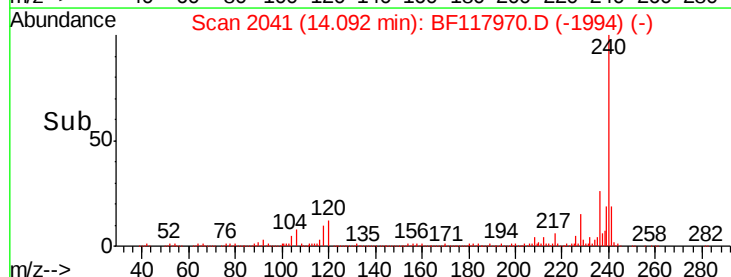
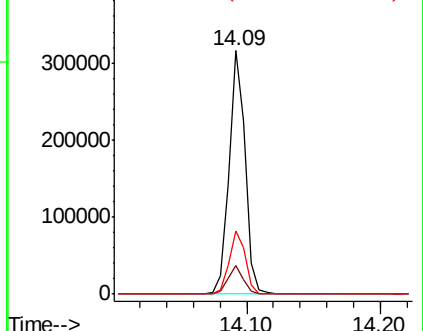
236 26.0 21.3 31.9

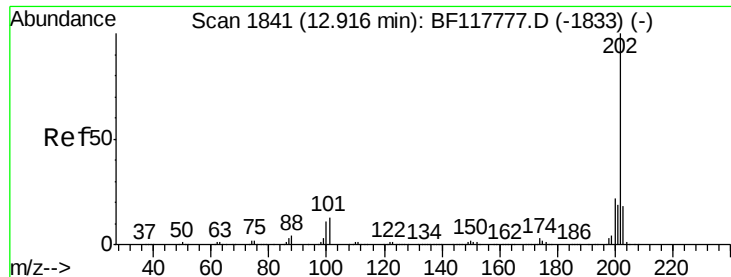


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.908 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Instrument :

BNA_F

ClientSampleId :

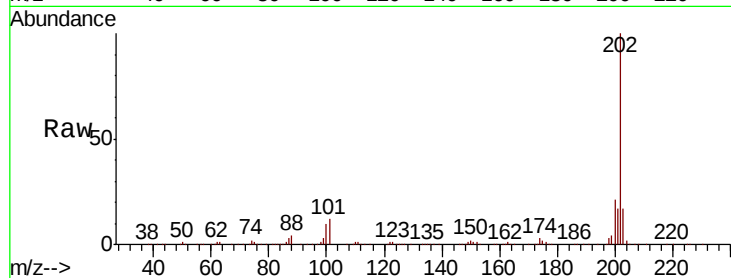
Tot Ion:202 Resp: 366756

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.8

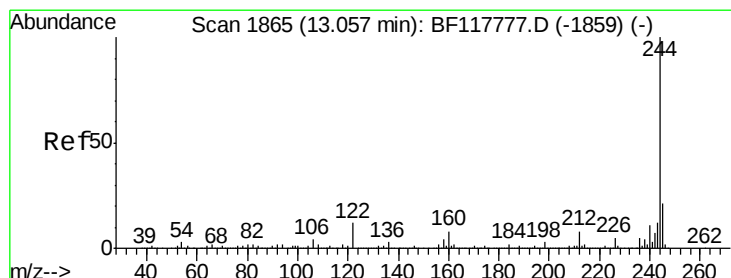
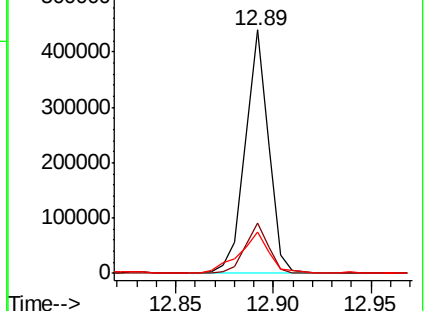
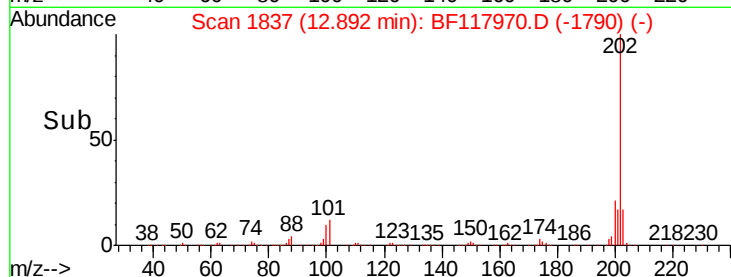
203 17.1 14.6 22.0



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: 61.322 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

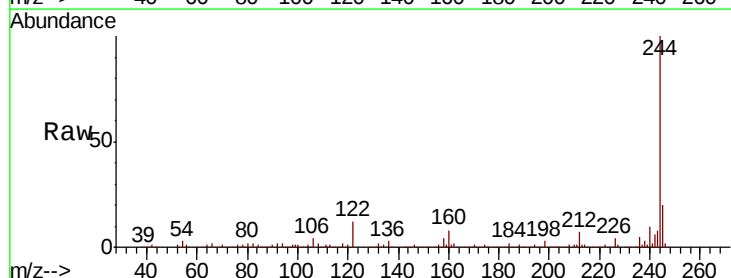
Tgt Ion:244 Resp: 900582

Ion Ratio Lower Upper

244 100

212 7.2 6.3 9.5

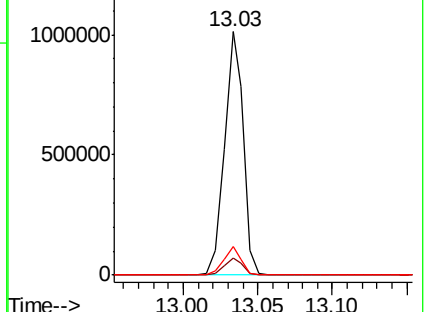
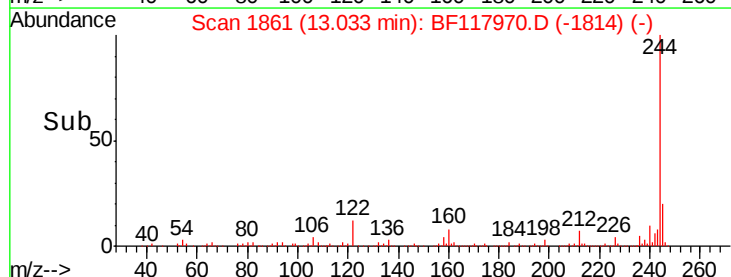
122 11.6 9.4 14.2

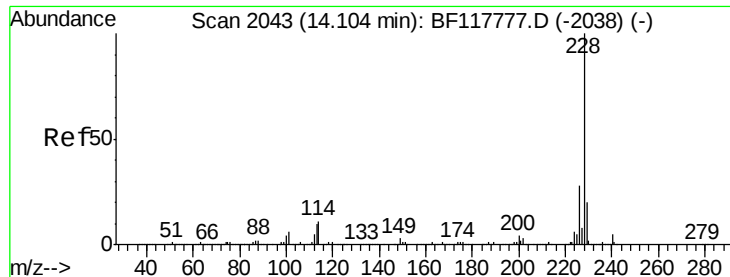


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

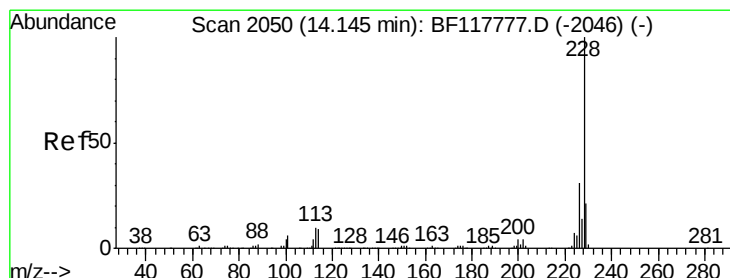
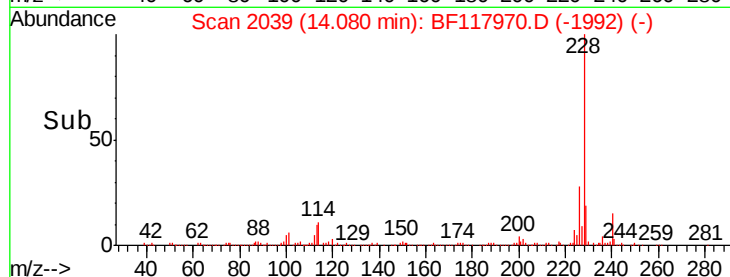
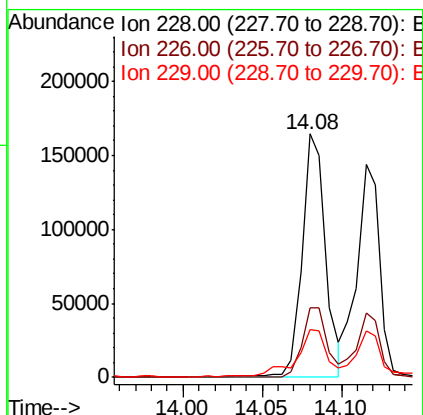
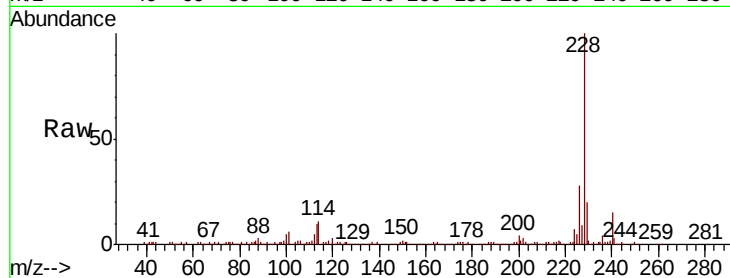




#81
Benzo(a)anthracene
Concen: 9.509 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

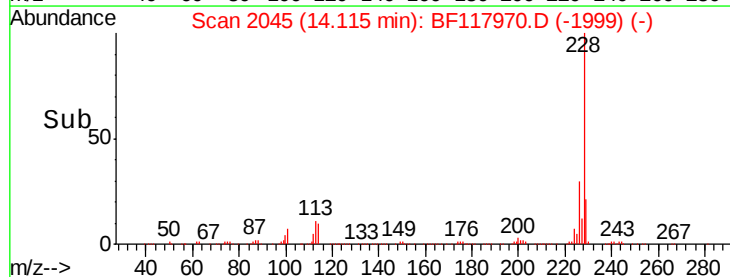
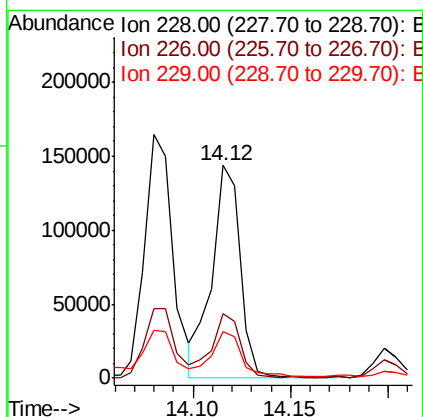
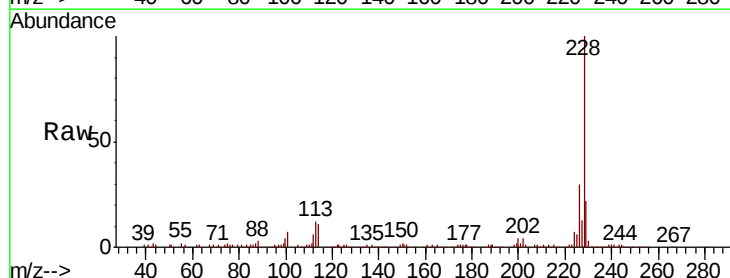
Instrument :
BNA_F
ClientSampleId :

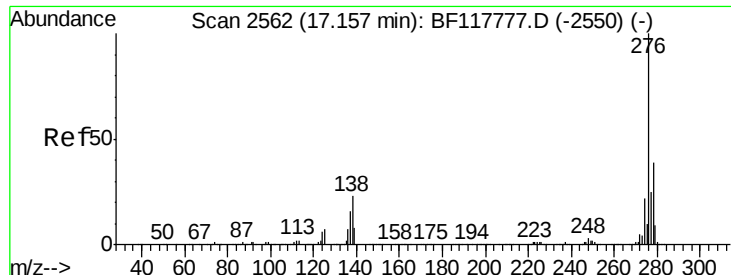
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	19.7	15.9	23.9



#83
Chrysene
Concen: 8.466 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.1	16.6	25.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 7.184 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.04 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

Instrument :

BNA_F

ClientSampleId :

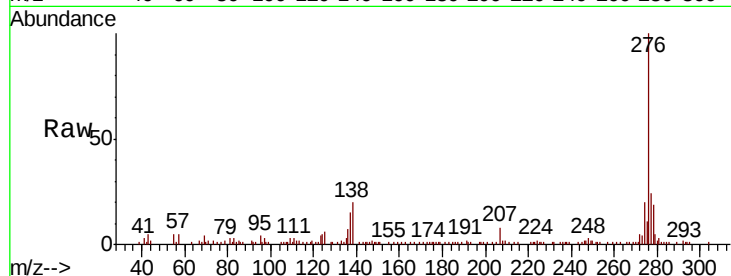
Tot Ion:276 Resp: 105087

Ion Ratio Lower Upper

276 100

138 22.0 20.9 31.3

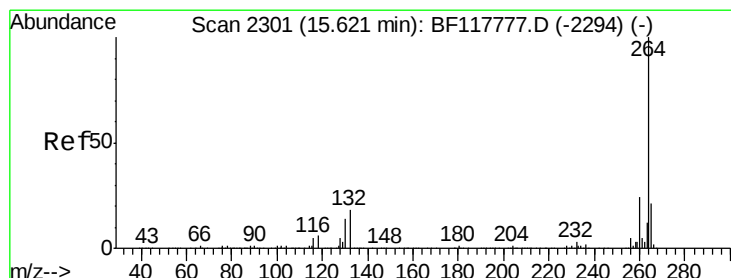
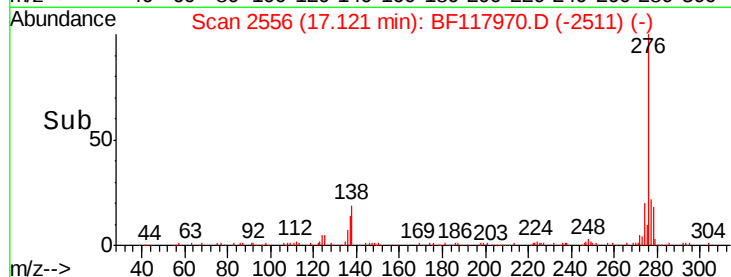
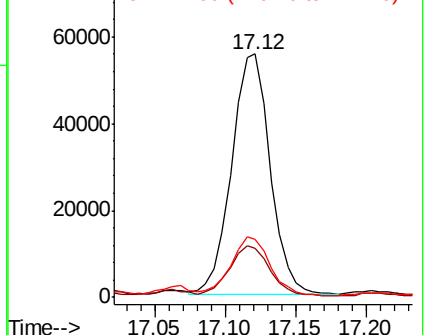
277 25.3 20.3 30.5



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: 15.60 min Scan# 2297

Delta R.T. -0.02 min

Lab File: BF117970.D

Acq: 23 Nov 2019 21:25

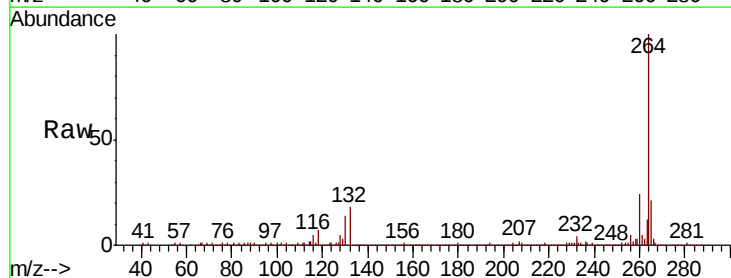
Tgt Ion:264 Resp: 306518

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

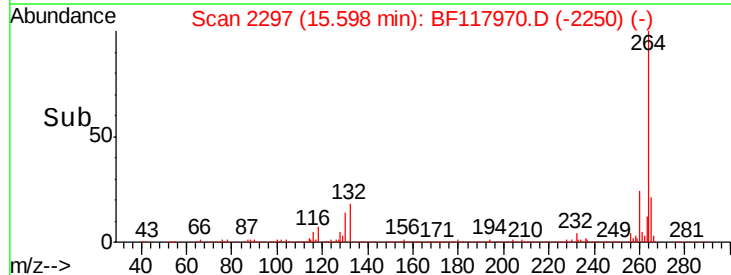
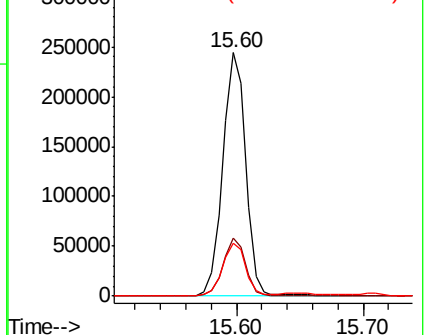
265 21.5 17.1 25.7

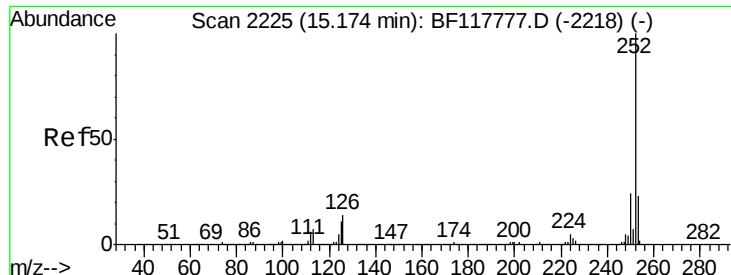


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

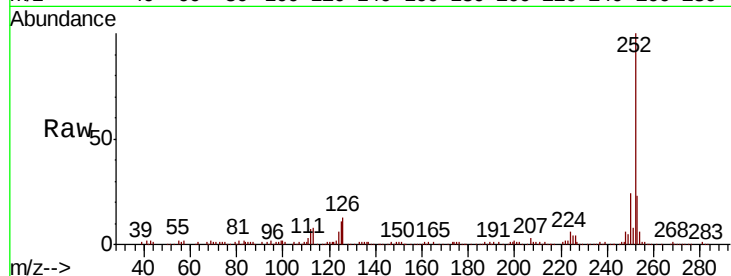




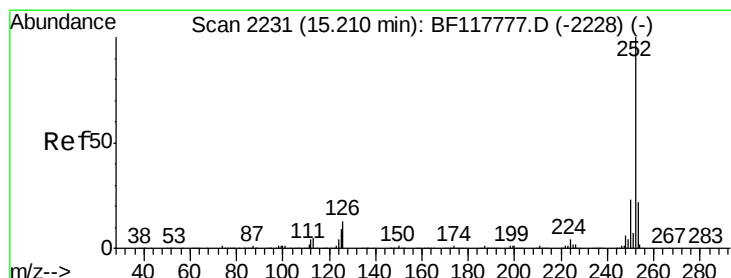
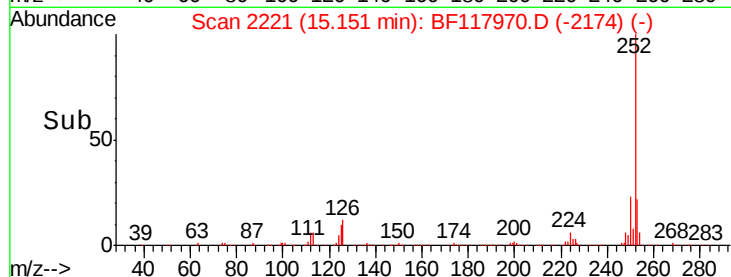
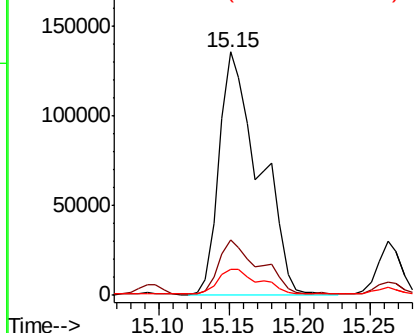
#88
Benzo(b)fluoranthene
Concen: 13.517 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.7	8.6	13.0

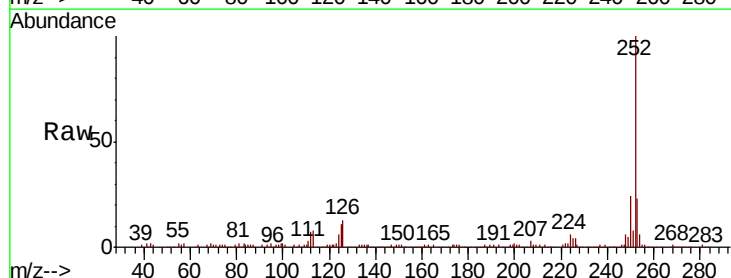


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

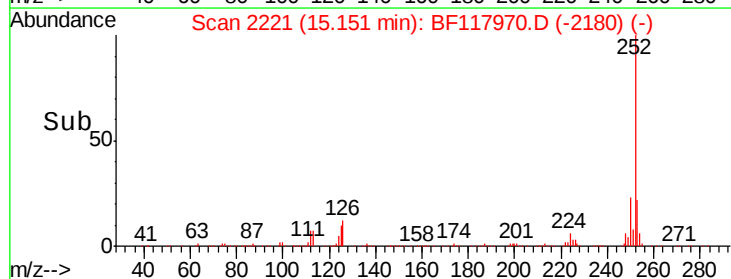
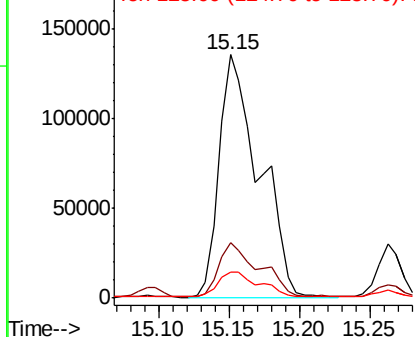


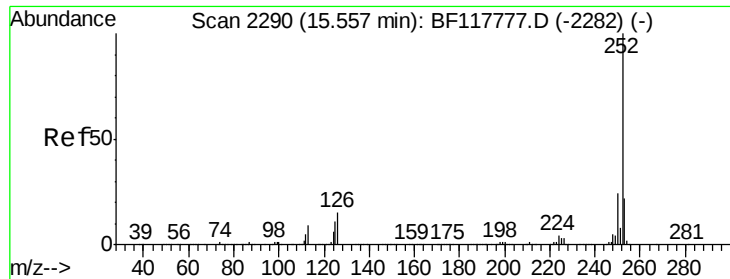
#89
Benzo(k)fluoranthene
Concen: 14.346 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.06 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.7	7.9	11.9



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

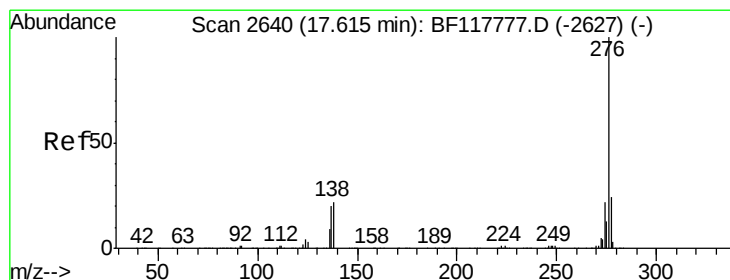
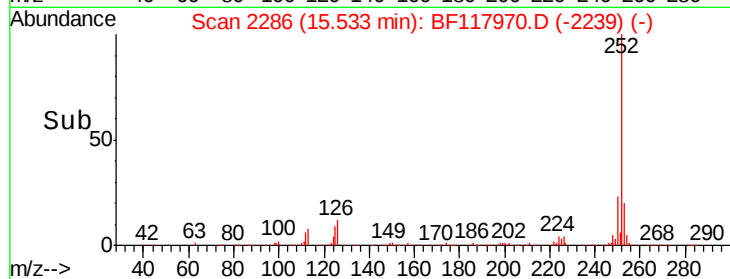
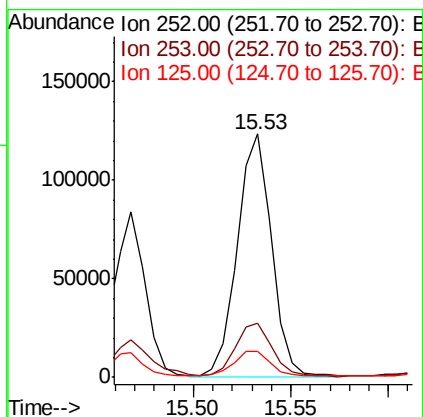
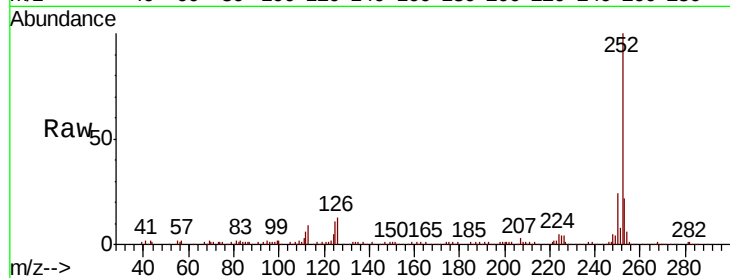




#90
Benzo(a)pyrene
Concen: 8.542 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.5	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 6.990 ng
RT: 17.58 min Scan# 2634
Delta R.T. -0.04 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	21.4	17.4	26.2

