

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117846.D
 Acq On : 18 Nov 2019 20:16
 Operator : JU
 Sample : K5865-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:57:05 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	6.92	152	221913	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	831720	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	386444	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	610657	20.00	ng	0.00
76) Chrysene-d12	14.11	240	544226	20.00	ng	0.00
87) Perylene-d12	15.63	264	567003	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	66791	5.33	ng	0.00
7) Phenol-d6	6.53	99	855256	56.56	ng	-0.01
23) Nitrobenzene-d5	7.48	82	941835	67.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	716	0.18	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1729508	80.29	ng	0.00
79) Terphenyl-d14	13.05	244	1670011	56.08	ng	0.00

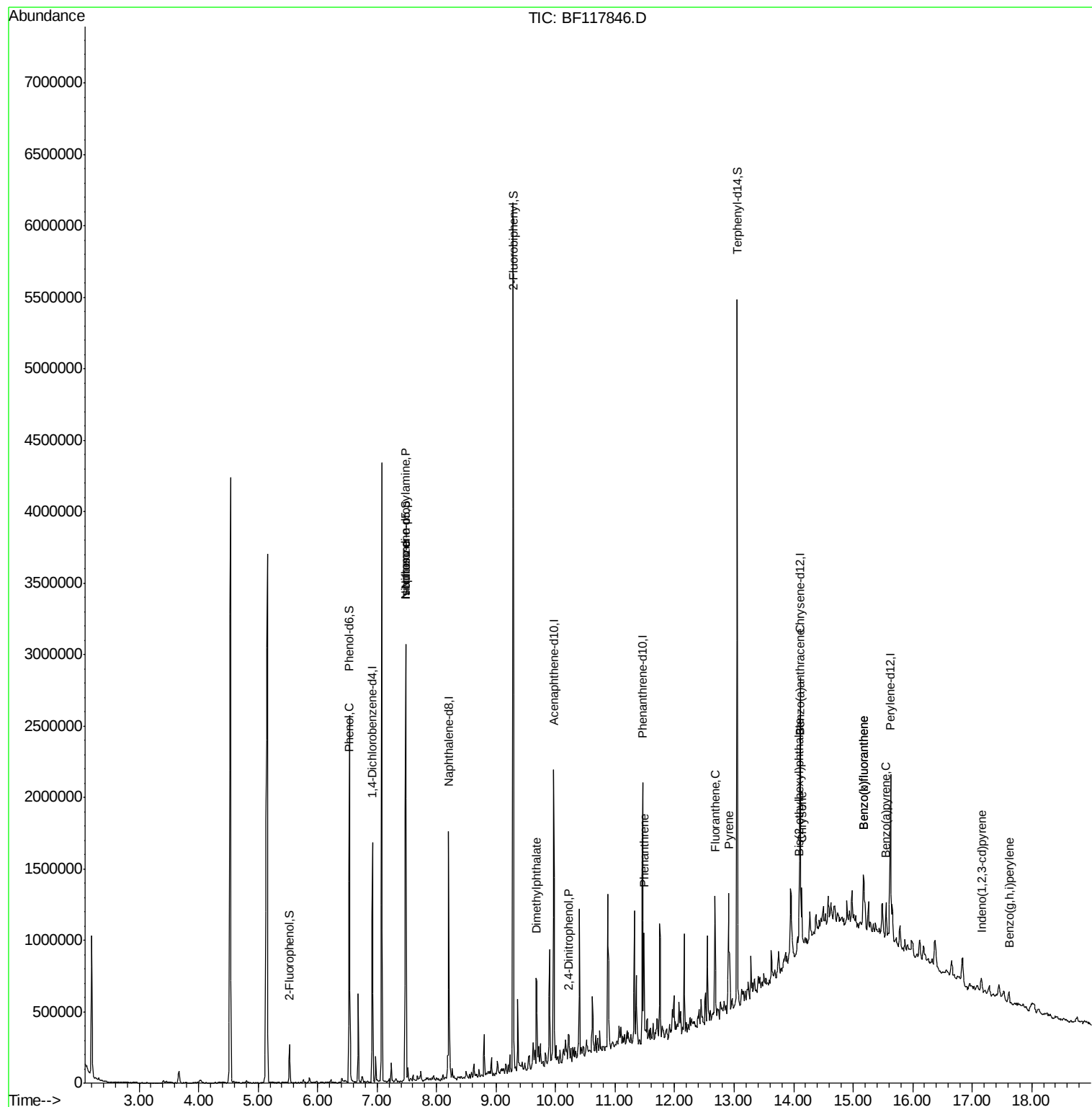
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	3076	Below Cal		90
10) Phenol	6.55	94	101091	6.434	ng	98
19) n-Nitroso-di-n-propylamine	7.48	70	128187	13.741	ng	# 76
25) Isophorone	7.48	82	932203	36.352	ng	# 62
50) Dimethylphthalate	9.67	163	200481	7.398	ng	99
54) 2,4-Dinitrophenol	10.22	184	110	7.258	ng	# 1
71) Phenanthrene	11.49	178	252888	8.237	ng	95
75) Fluoranthene	12.68	202	322057	4.797	ng	98
78) Pyrene	12.91	202	326161	7.416	ng	98
81) Benzo(a)anthracene	14.10	228	166850	4.639	ng	95
83) Chrysene	14.13	228	165052	4.736	ng	97
84) Bis(2-ethylhexyl)phthalate	14.09	149	54476	2.379	ng	99
86) Indeno(1,2,3-cd)pyrene	17.15	276	63923	2.155	ng	96
88) Benzo(b)fluoranthene	15.17	252	266390	7.231	ng	# 91
89) Benzo(k)fluoranthene	15.17	252	266390	7.675	ng	# 89
90) Benzo(a)pyrene	15.56	252	131309	4.054	ng	# 92
92) Benzo(a,h,i)perylene	17.62	276	60885	2.192	ng	# 92

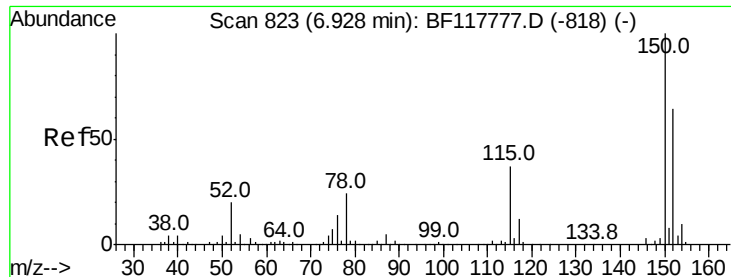
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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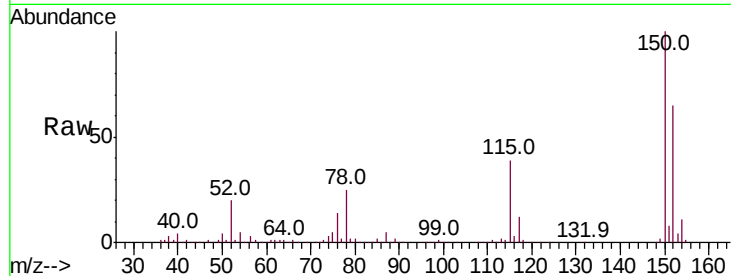


#1

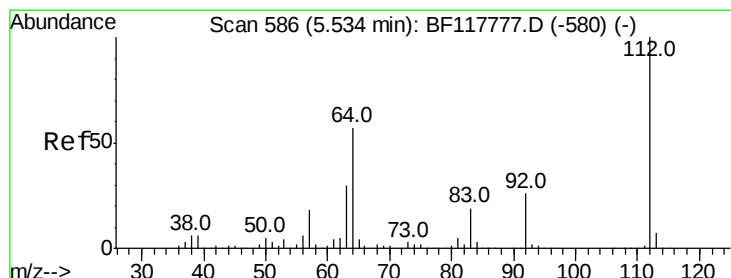
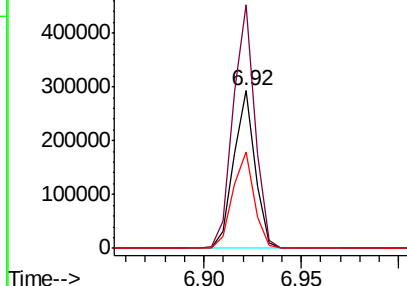
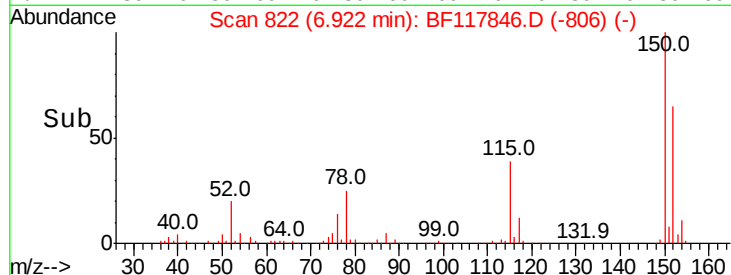
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 221913
Ion Ratio Lower Upper
152 100
150 154.6 125.3 187.9
115 61.0 47.0 70.4



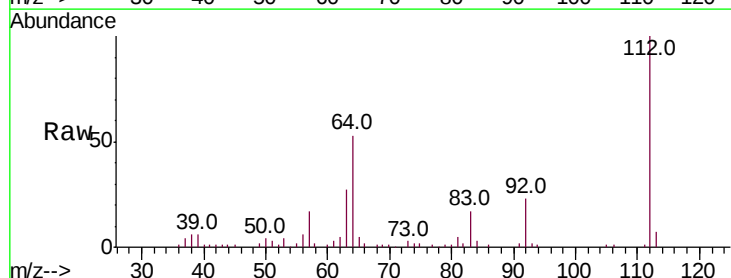
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



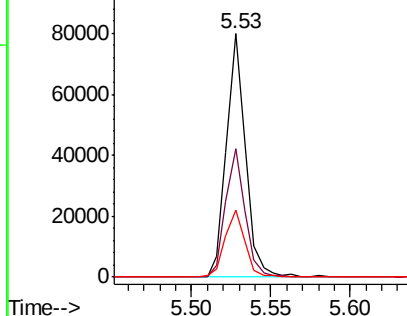
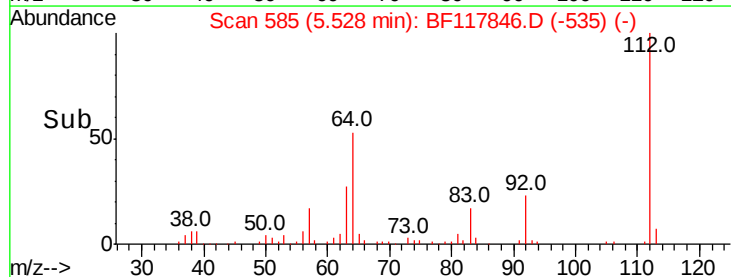
#5

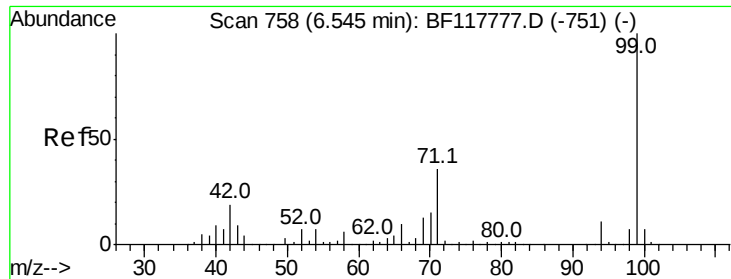
2-Fluorophenol
Concen: 5.328 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion:112 Resp: 66791
Ion Ratio Lower Upper
112 100
64 52.9 45.6 68.4
63 27.5 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: 56.560 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

ClientSampleId :

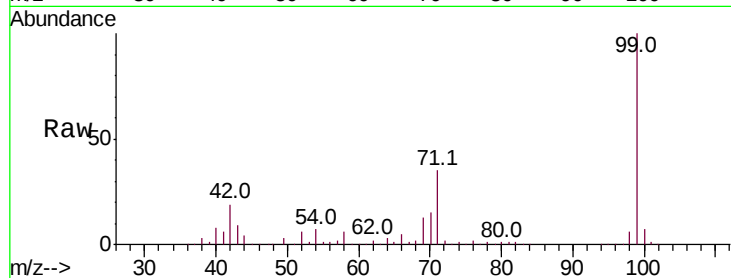
Tot Ion: 99 Resp: 855256

Ion Ratio Lower Upper

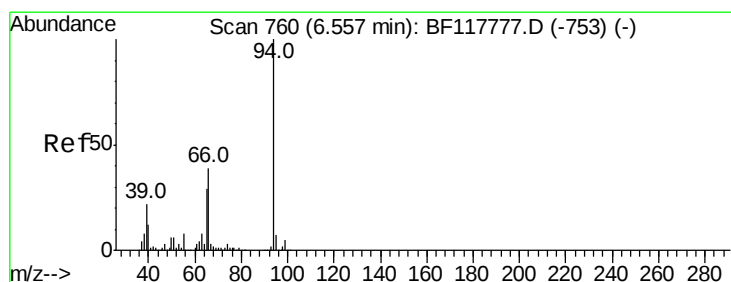
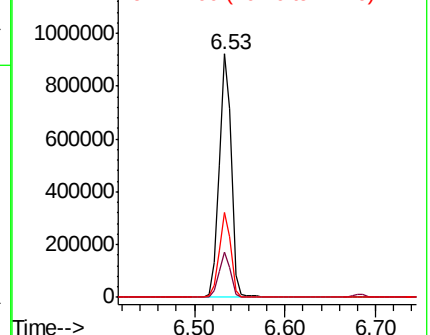
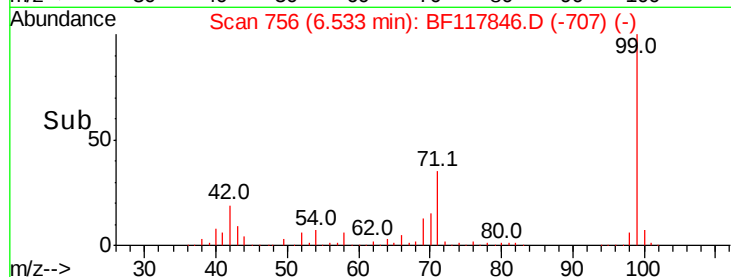
99 100

42 18.6 14.9 22.3

71 34.8 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



#10

Phenol

Concen: 6.434 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

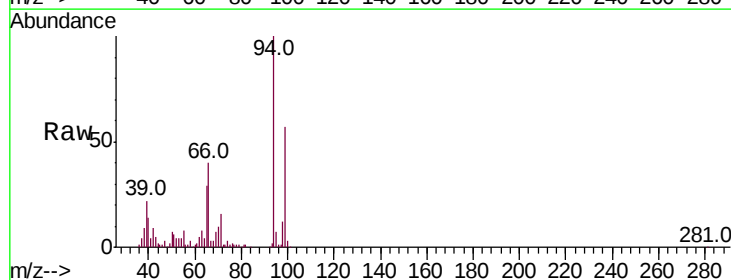
Tgt Ion: 94 Resp: 101091

Ion Ratio Lower Upper

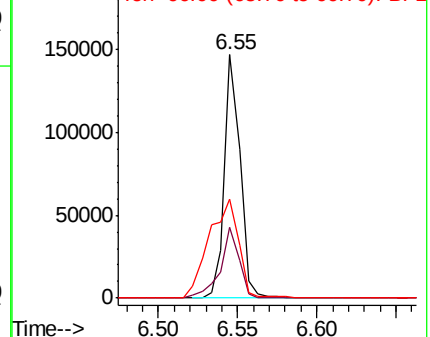
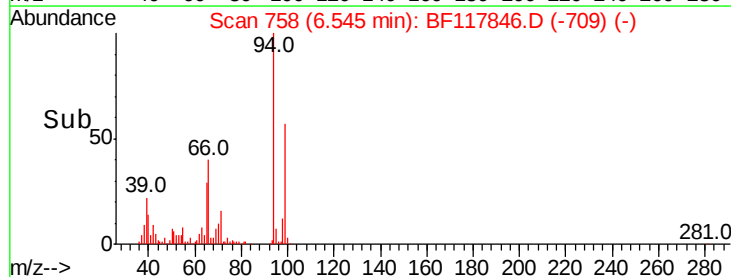
94 100

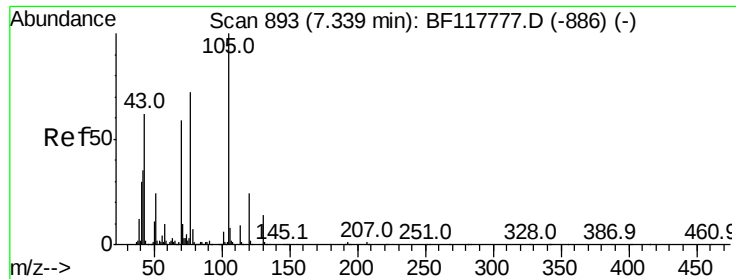
65 29.0 8.9 48.9

66 40.5 18.7 58.7



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: 13.741 ng

RT: 7.48 min Scan# 917

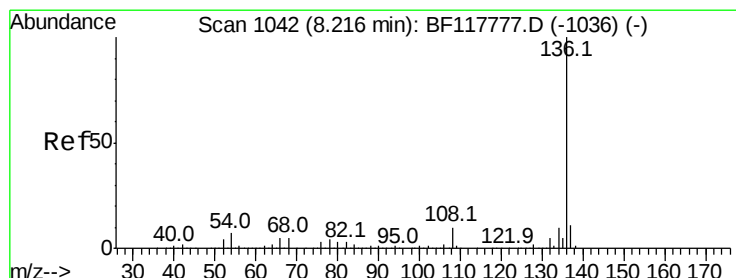
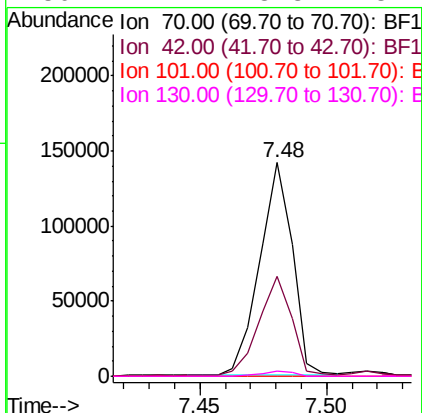
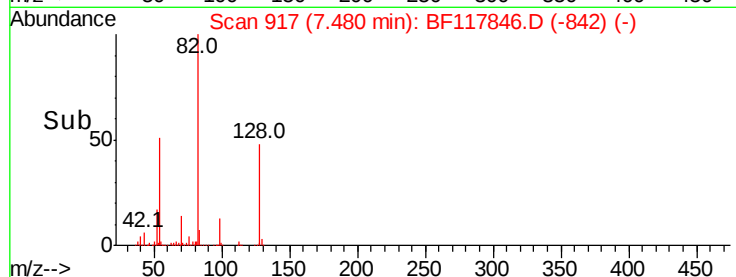
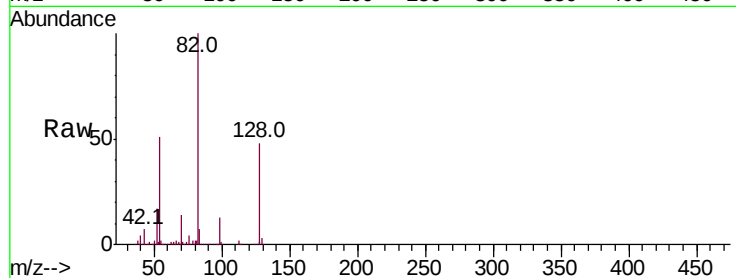
Delta R.T. 0.14 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	128187
Ion	Ratio	Lower	Upper
70	100		
42	47.0	47.4	71.2#
101	0.0	8.4	12.6#
130	2.4	18.8	28.2#



#21

Naphthalene-d8

Concen: 20.000 ng

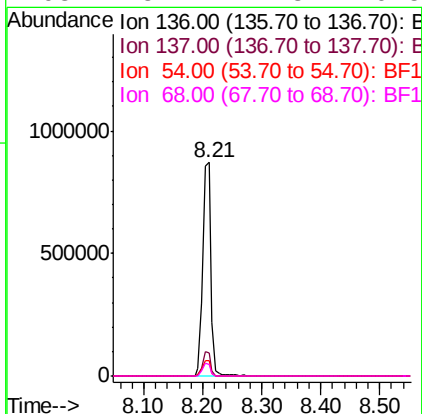
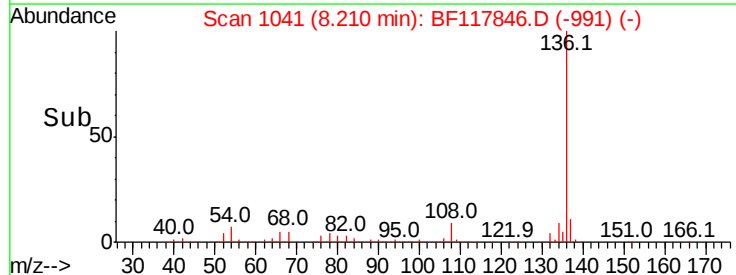
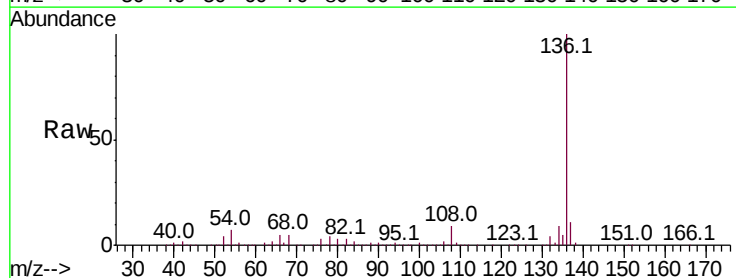
RT: 8.21 min Scan# 1041

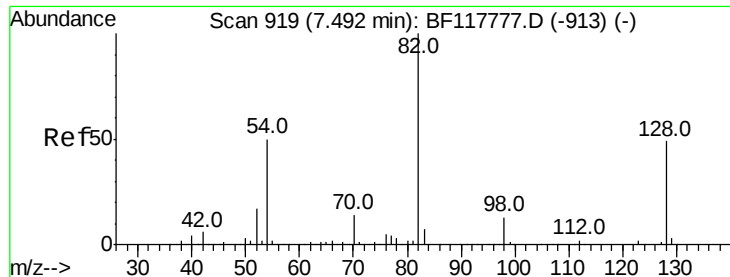
Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Tgt Ion:	136	Resp:	831720
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.0	5.4	8.2
68	5.2	4.3	6.5

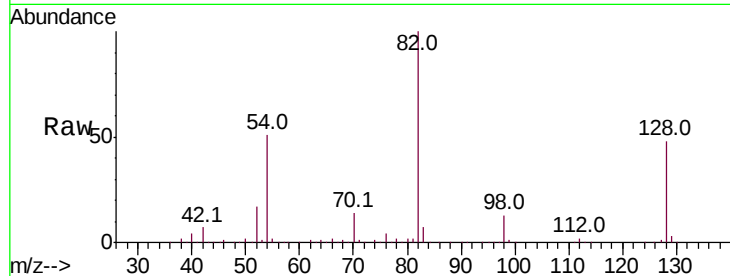




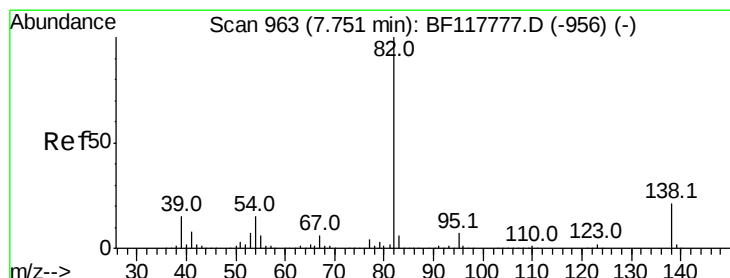
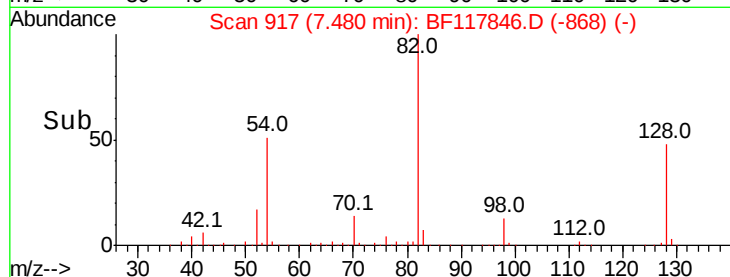
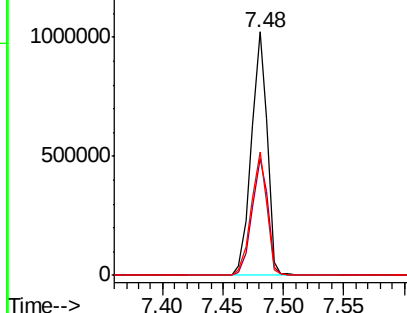
#23
Nitrobenzene-d5
Concen: 67.316 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	38.9	58.3
54	50.8	39.8	59.6

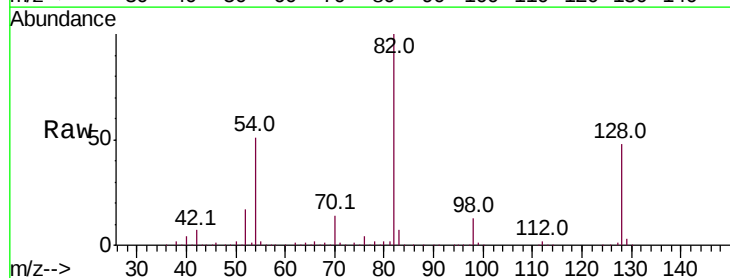


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

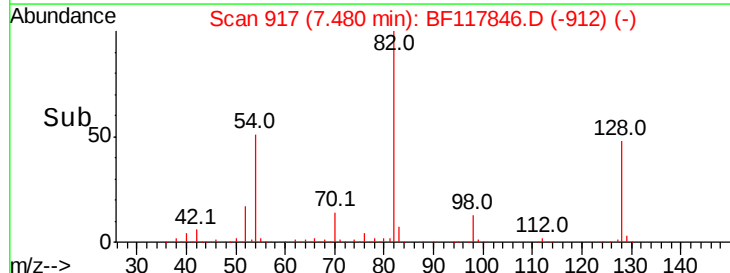
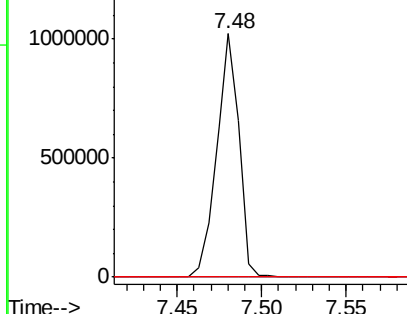


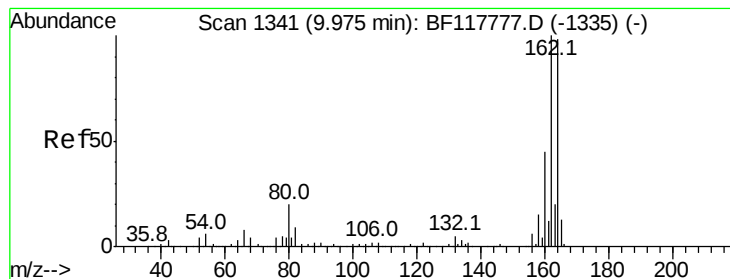
#25
Isophorone
Concen: 36.352 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	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): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

ClientSampleId :

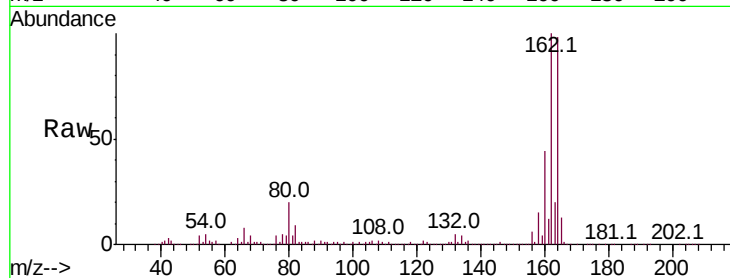
Tot Ion:164 Resp: 386444

Ion Ratio Lower Upper

164 100

162 102.1 81.3 121.9

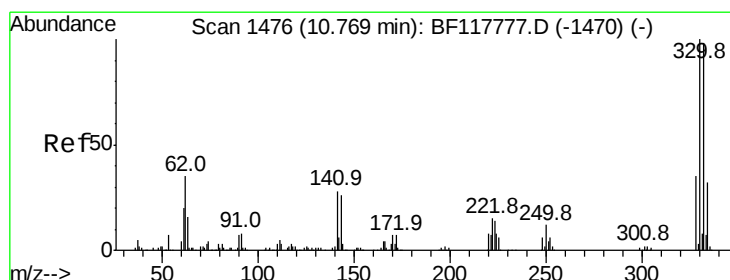
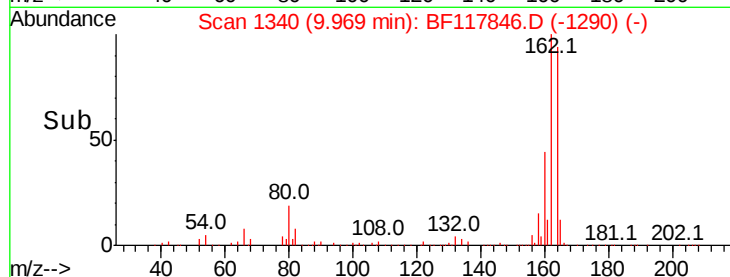
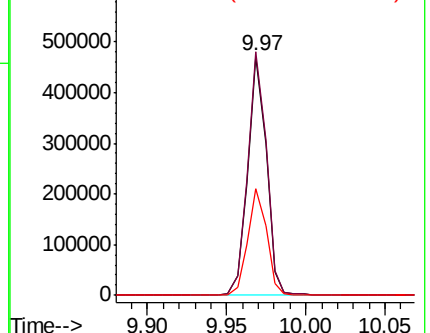
160 44.8 36.6 55.0



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: 0.175 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

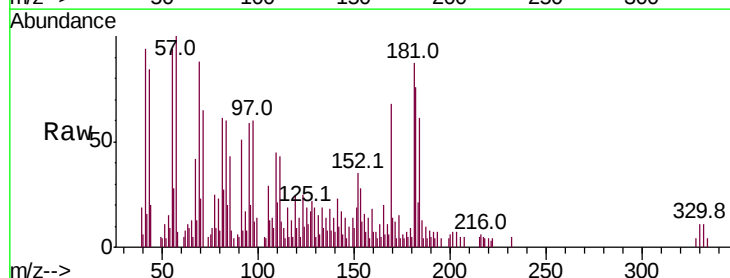
Tgt Ion:330 Resp: 716

Ion Ratio Lower Upper

330 100

332 117.7 76.7 115.1#

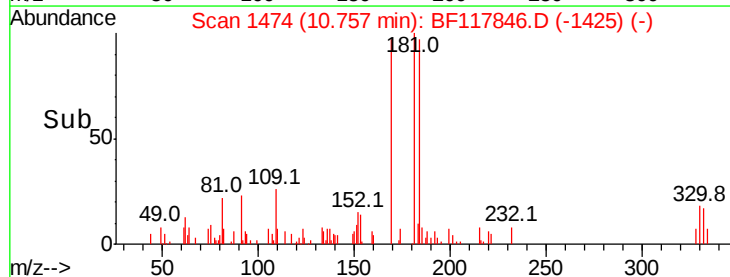
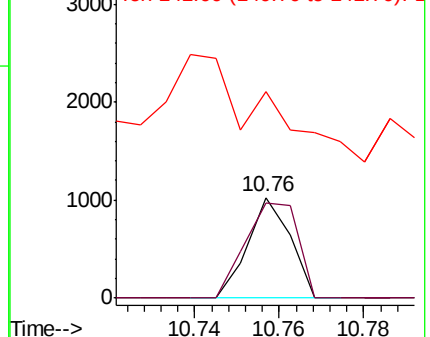
141 230.7 27.7 41.5#

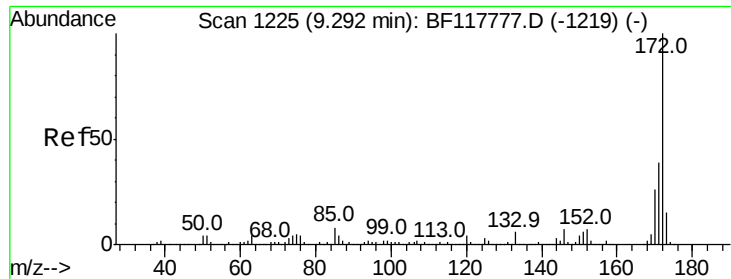


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



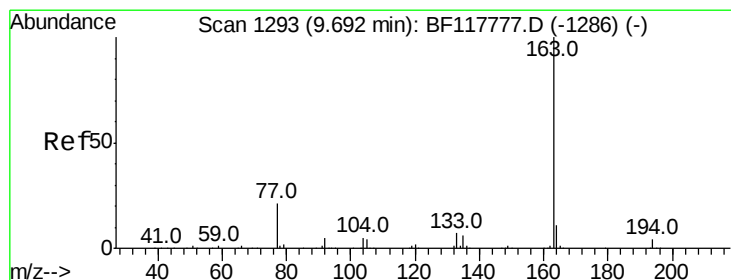
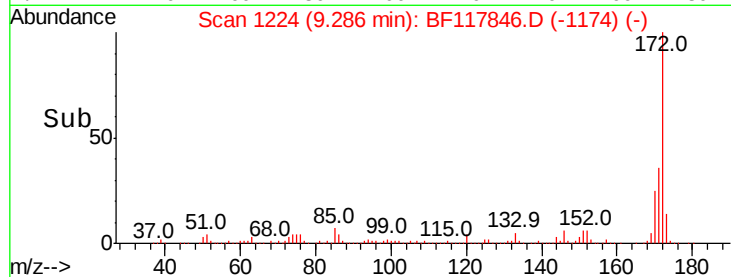
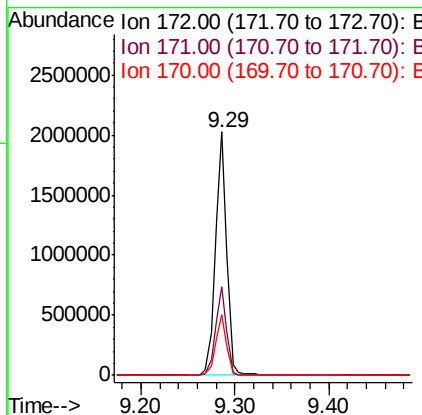
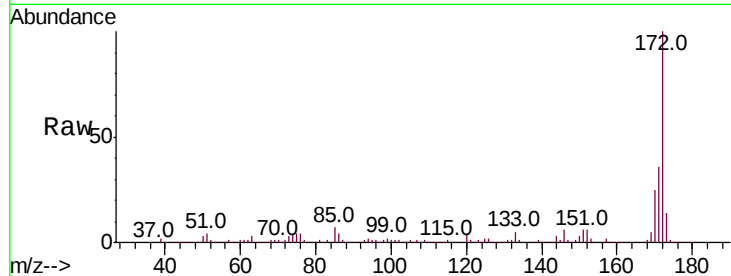


#45
 2-Fluorobiphenyl
 Concen: 80.291 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1729508

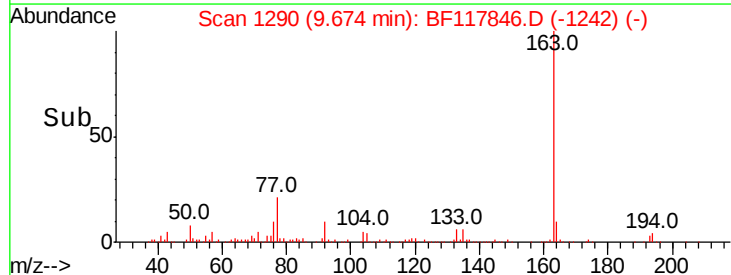
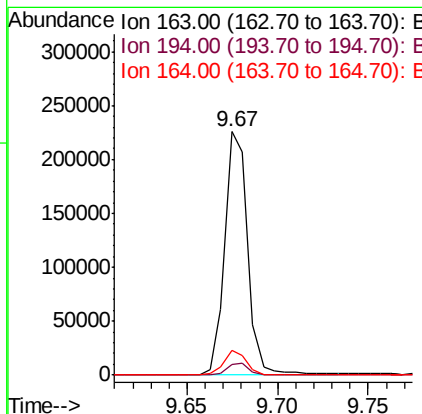
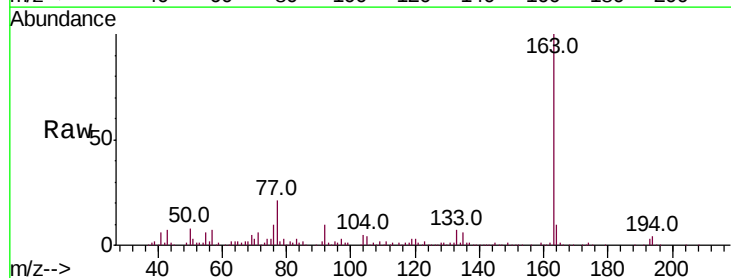
Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.9	46.3
170	24.9	21.0	31.4

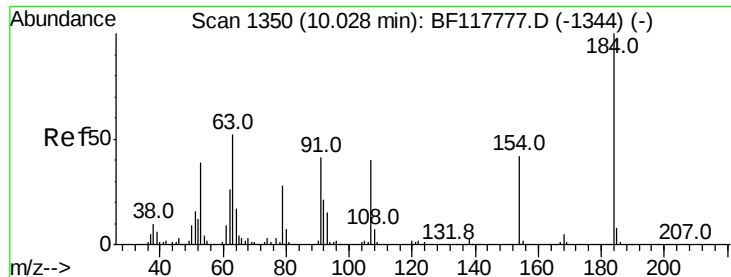


#50
 Dimethylphthalate
 Concen: 7.398 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Tgt Ion:163 Resp: 200481

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.7	13.1

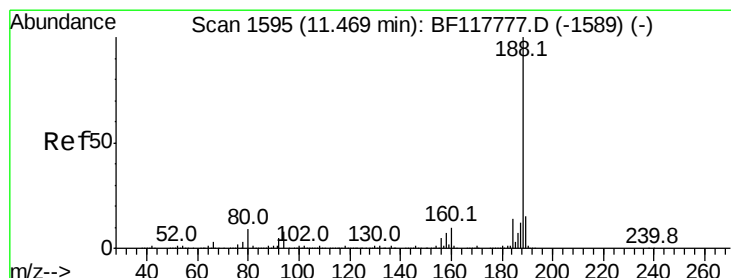
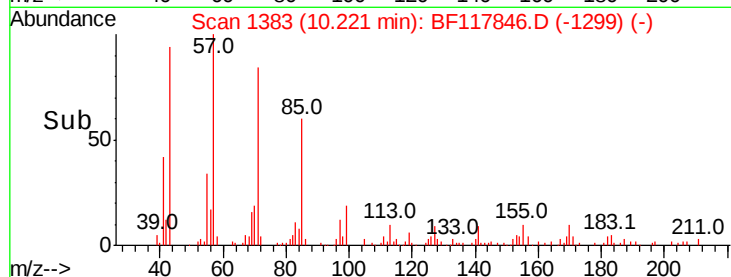
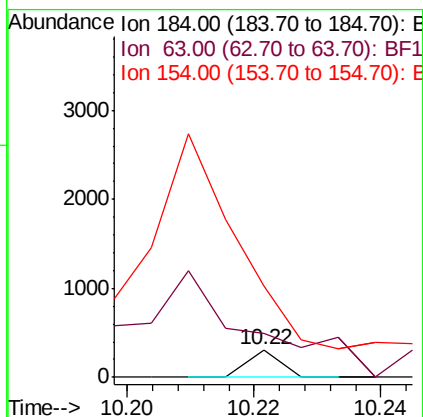
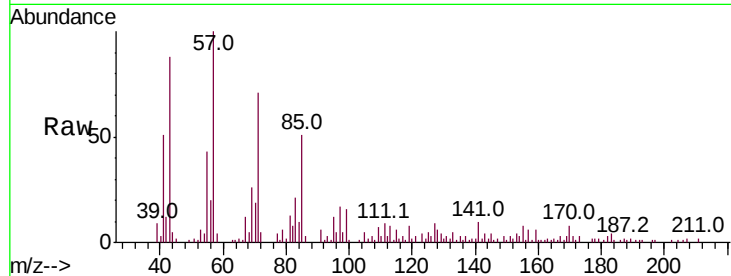




#54
 2,4-Dinitrophenol
 Concen: 7.258 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.19 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

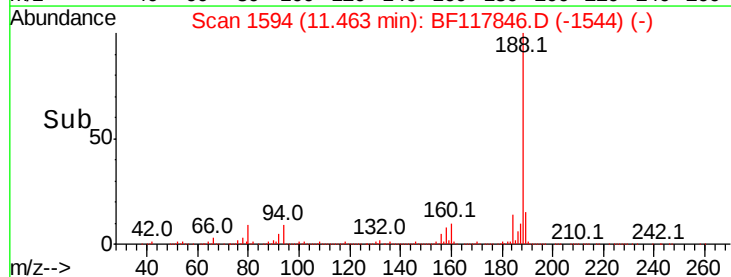
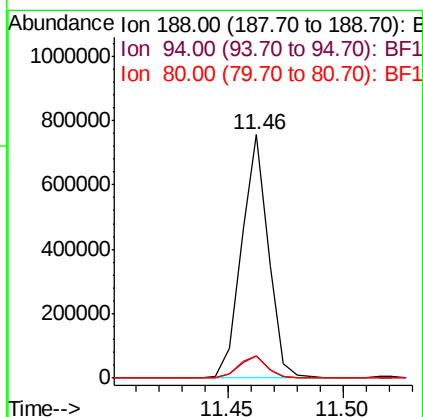
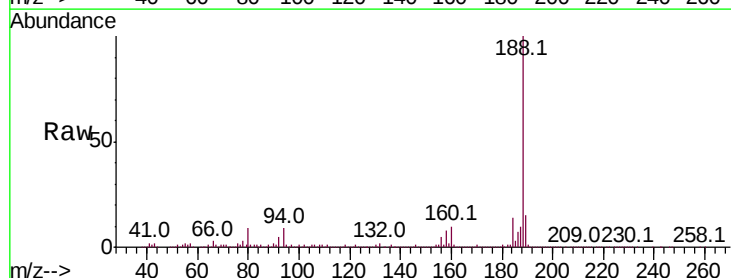
Instrument :
 BNA_F
 ClientSampleId :

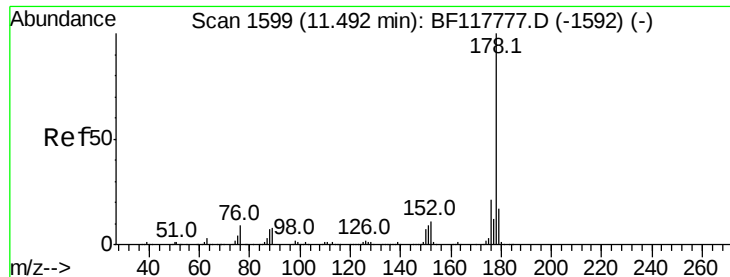
Tot Ion:184 Resp: 110
 Ion Ratio Lower Upper
 184 100
 63 159.5 43.0 64.6#
 154 328.9 48.0 72.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Tgt Ion:188 Resp: 610657
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.6 10.0
 80 9.1 7.2 10.8





#71

Phenanthrene

Concen: 8.237 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

ClientSampleId :

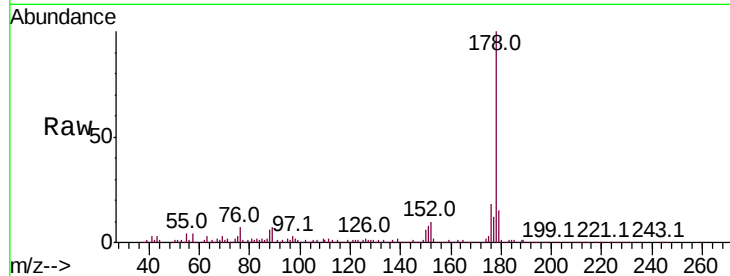
Tot Ion:178 Resp: 252888

Ion Ratio Lower Upper

178 100

176 18.3 16.6 25.0

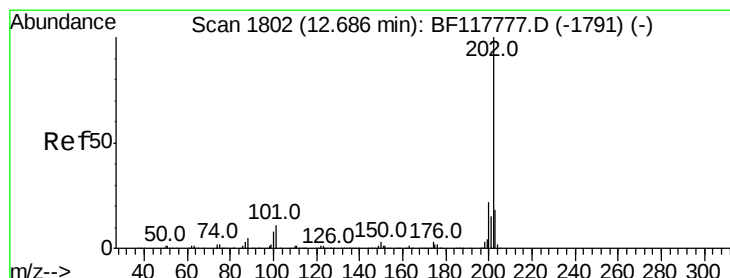
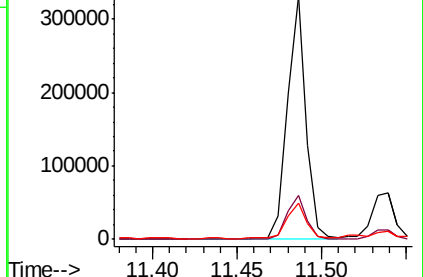
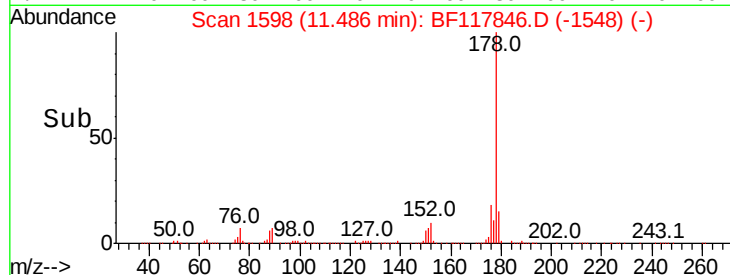
179 15.0 13.2 19.8



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



#75

Fluoranthene

Concen: 4.797 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

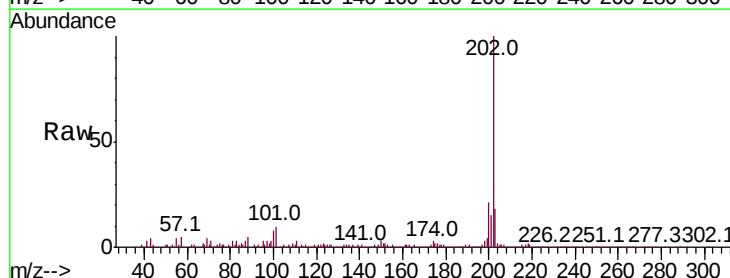
Tgt Ion:202 Resp: 322057

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

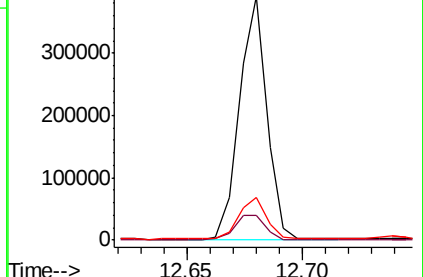
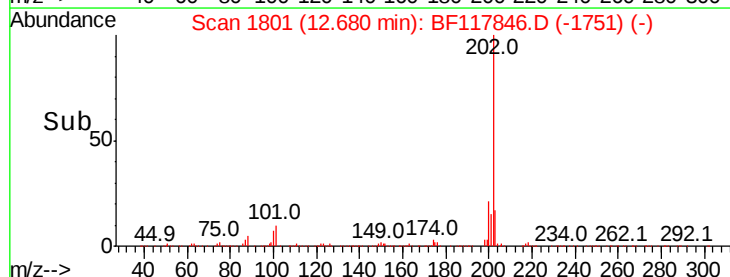
203 17.6 0.0 38.2

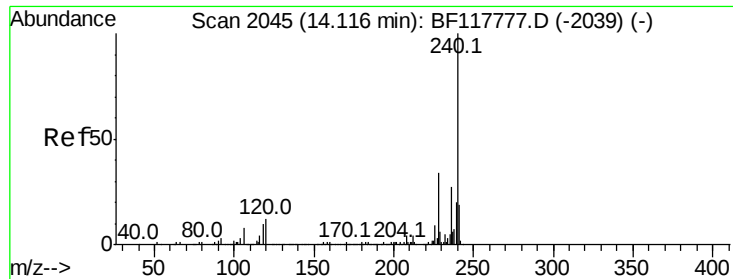


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

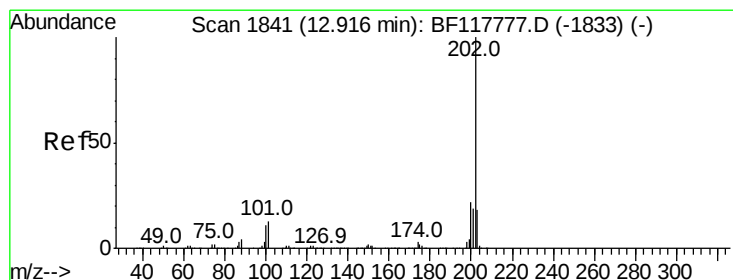
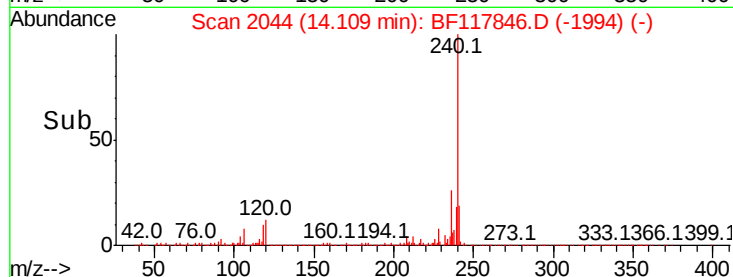
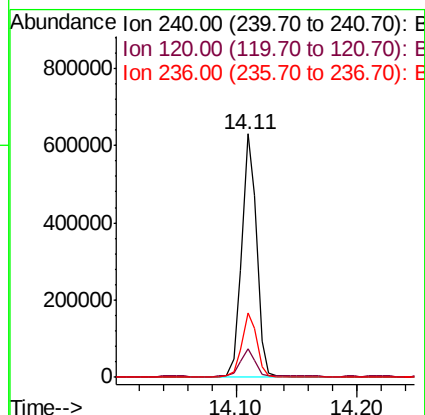
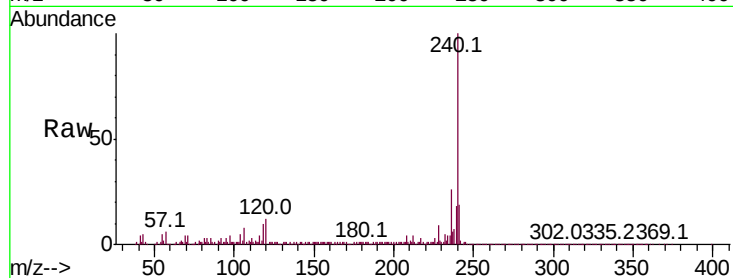




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

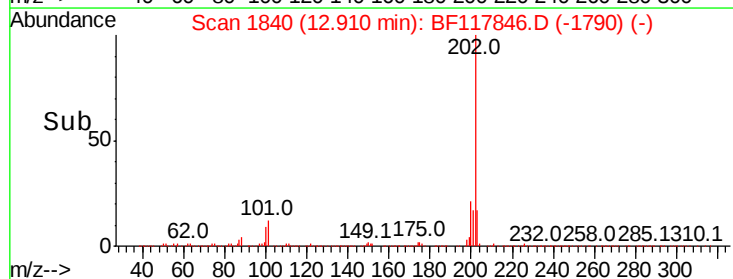
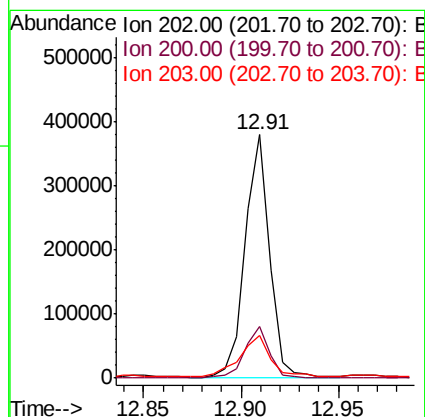
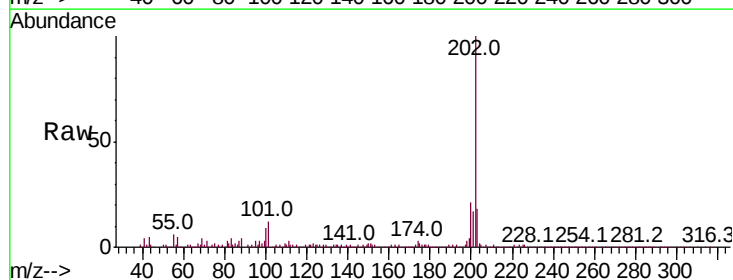
Instrument :
BNA_F
ClientSampleId :

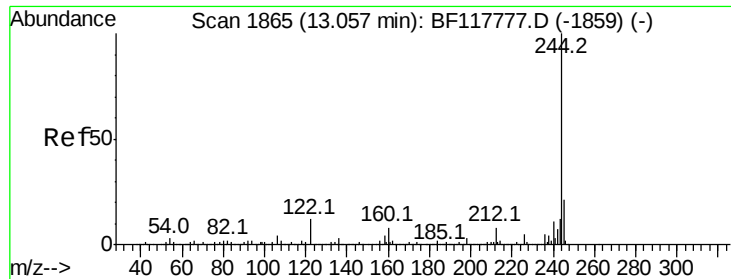
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	26.3	21.3	31.9



#78
Pyrene
Concen: 7.416 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.8
203	17.7	14.6	22.0



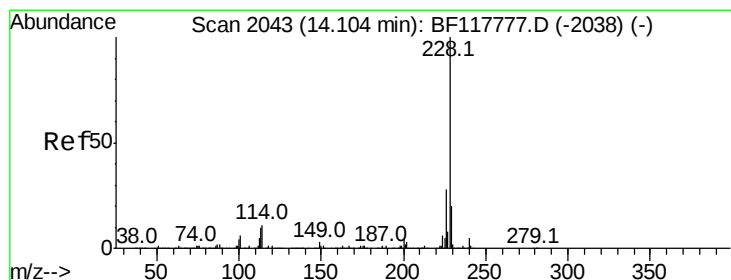
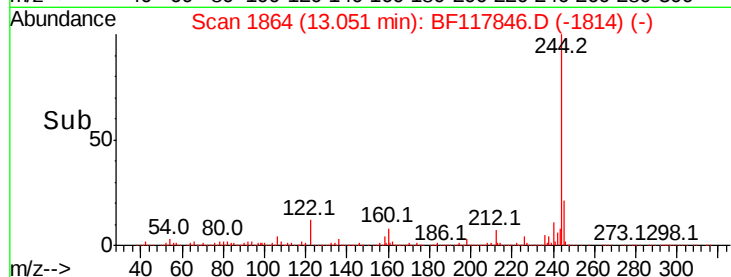
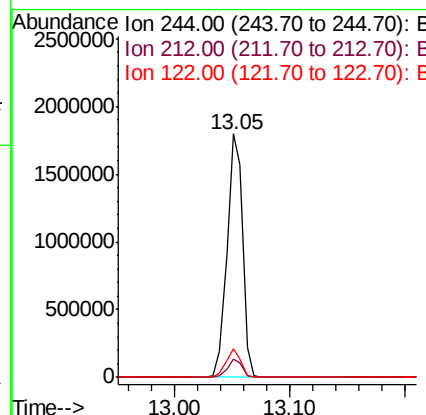
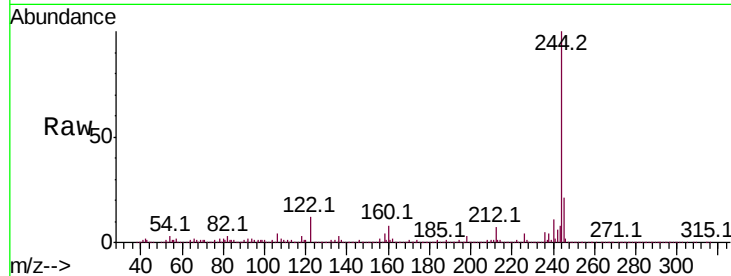


#79
 Terphenyl-d14
 Concen: 56.082 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1670011

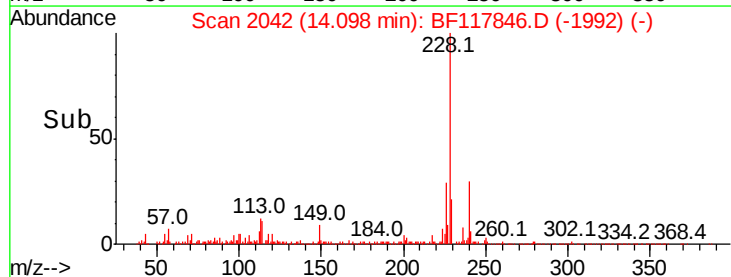
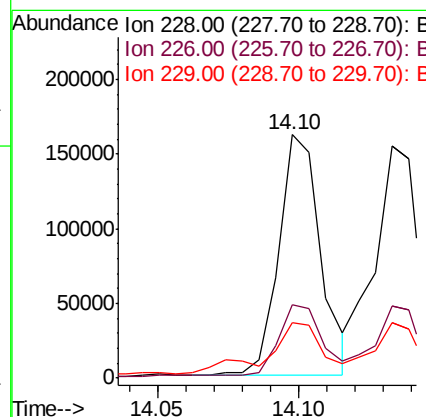
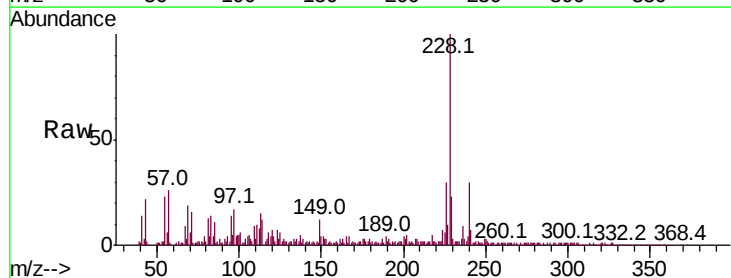
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.9	9.4	14.2

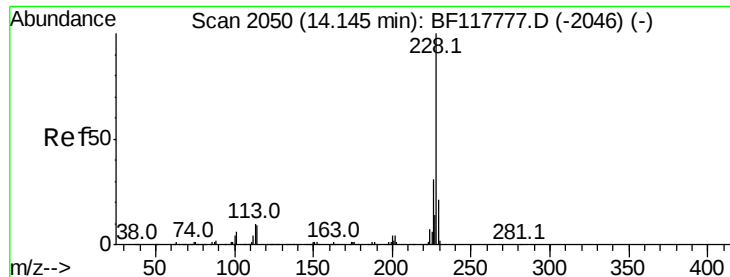


#81
 Benzo(a)anthracene
 Concen: 4.639 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Tgt Ion:228 Resp: 166850

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.2	33.2
229	22.6	15.9	23.9

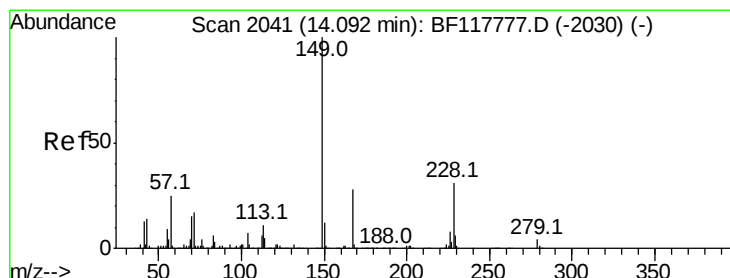
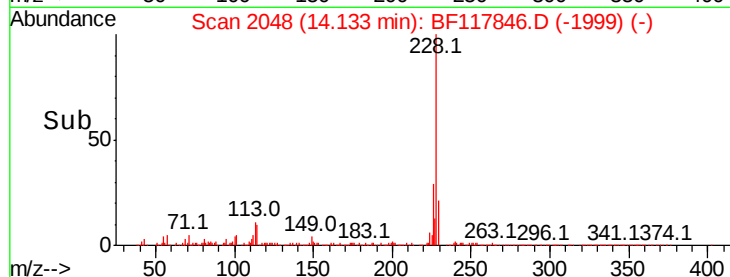
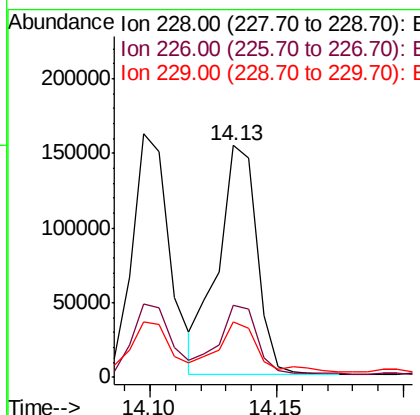
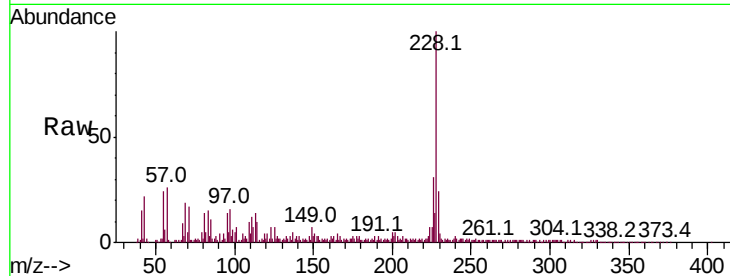




#83
Chrysene
Concen: 4.736 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

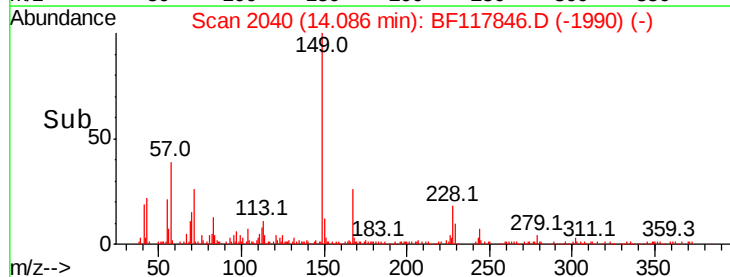
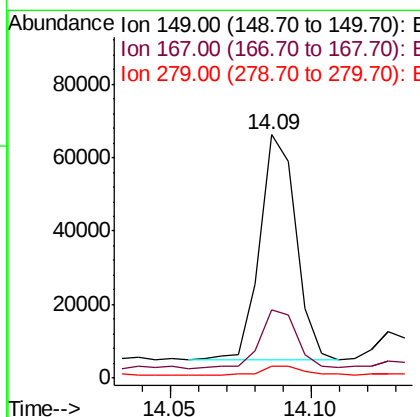
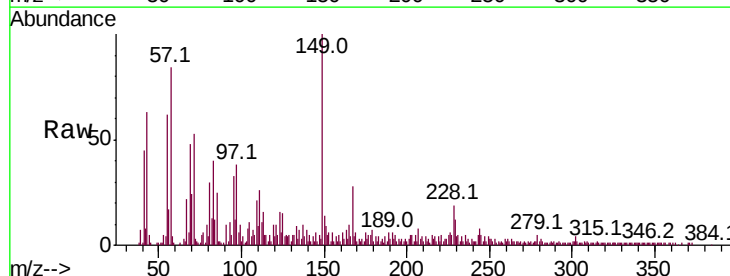
Instrument :
BNA_F
ClientSampleId :

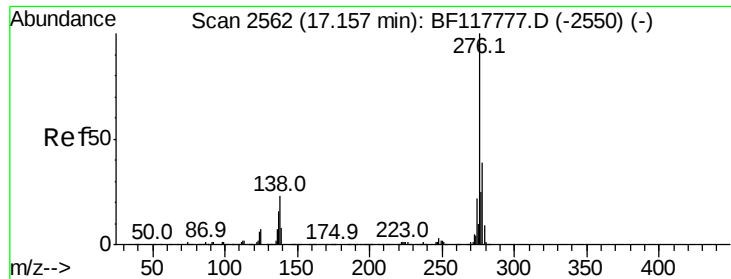
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.4
229	23.9	16.6	25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.379 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.8	3.4	5.2

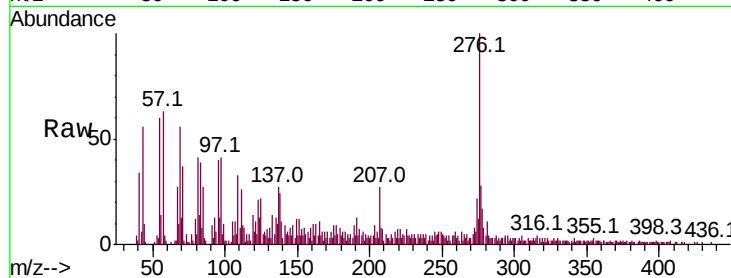




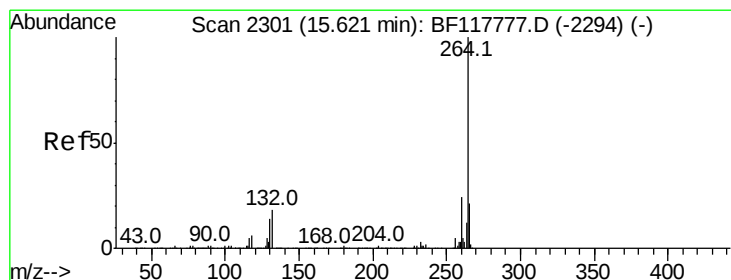
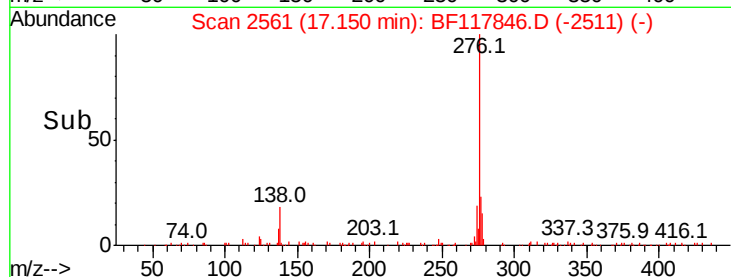
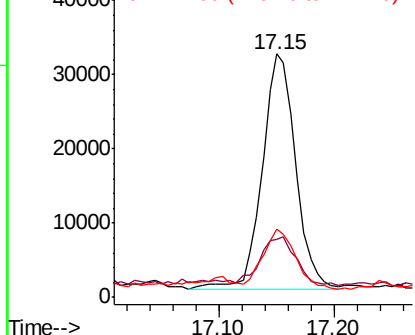
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.155 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 63923
Ion Ratio Lower Upper
276 100
138 23.2 20.9 31.3
277 24.7 20.3 30.5

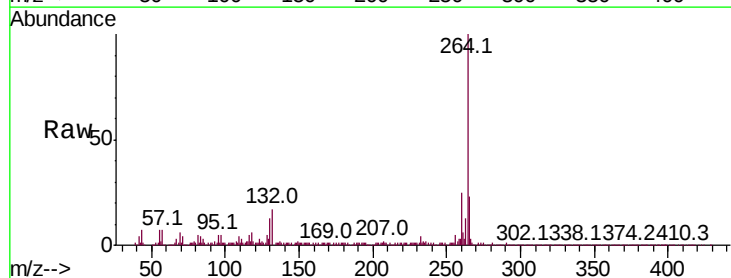


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

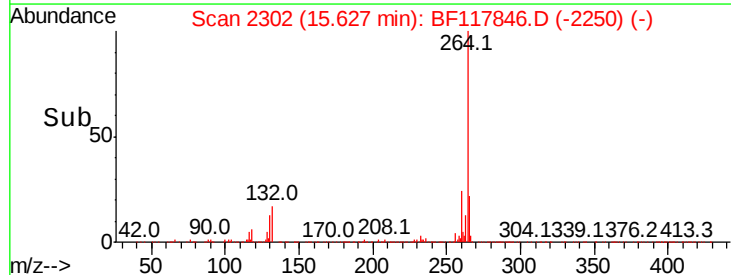
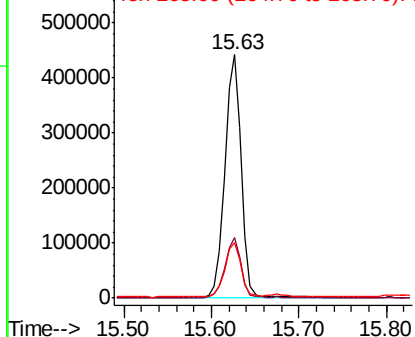


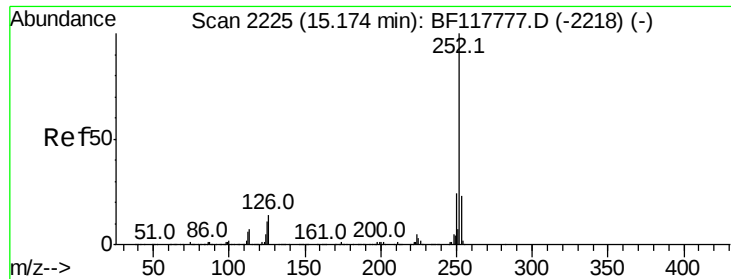
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion:264 Resp: 567003
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 22.8 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: 7.231 ng

RT: 15.17 min Scan# 2225

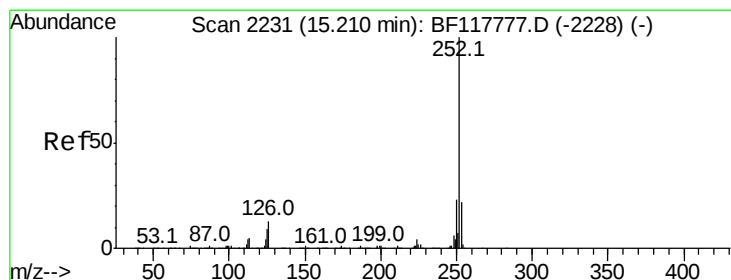
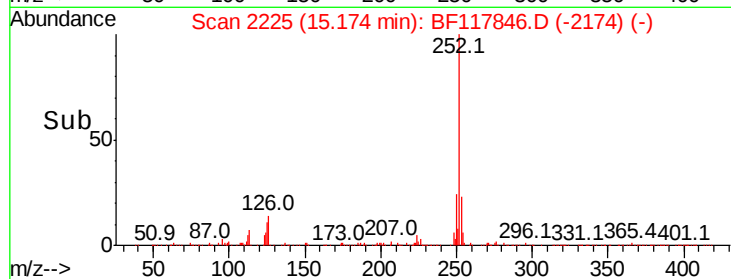
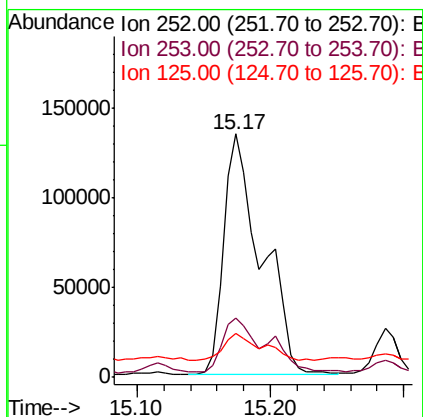
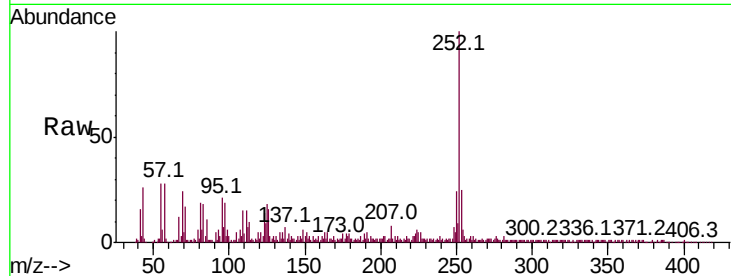
Delta R.T. -0.00 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	18.2	8.6	13.0



#89

Benzo(k)fluoranthene

Concen: 7.675 ng

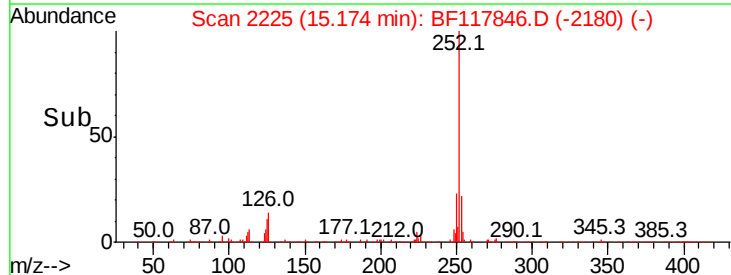
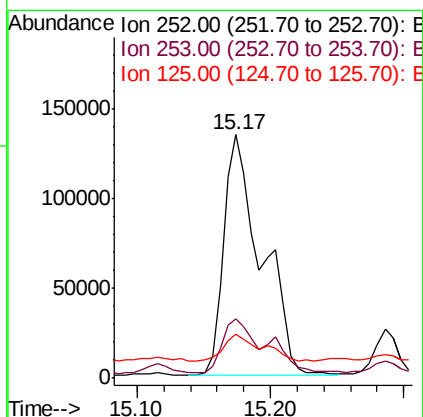
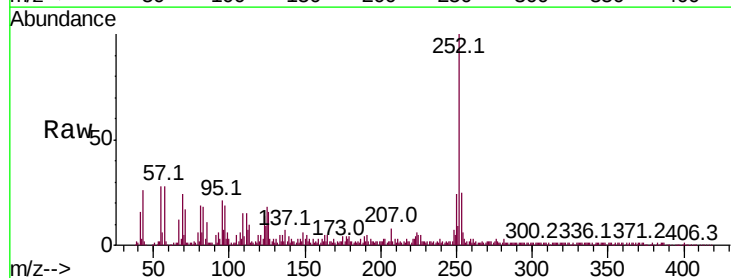
RT: 15.17 min Scan# 2225

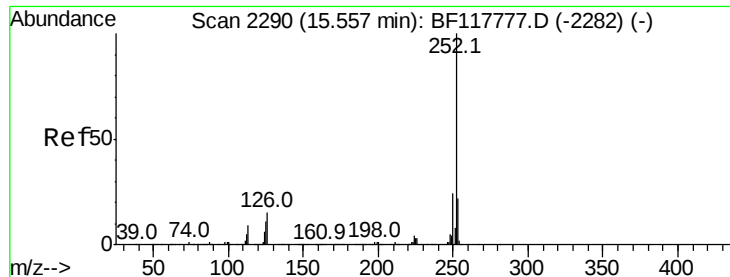
Delta R.T. -0.04 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	18.2	7.9	11.9





#90

Benzo(a)pyrene

Concen: 4.054 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

ClientSampleId :

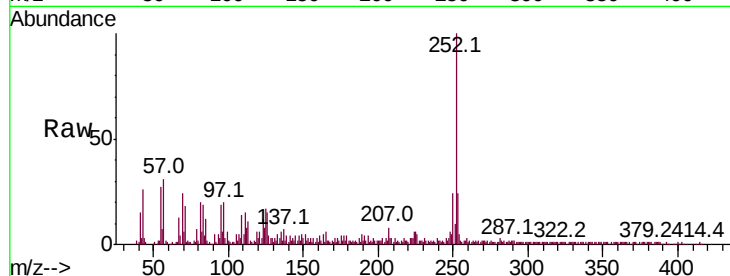
Tot Ion:252 Resp: 131309

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

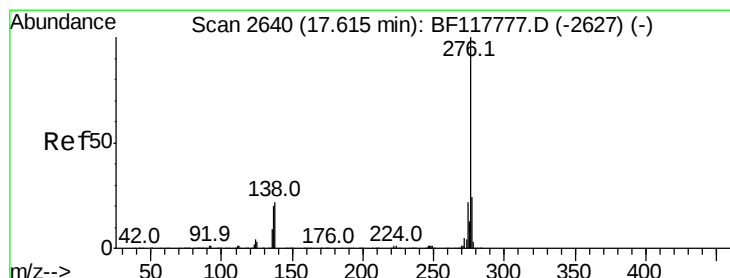
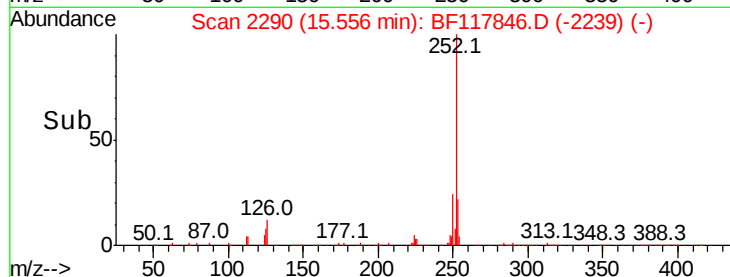
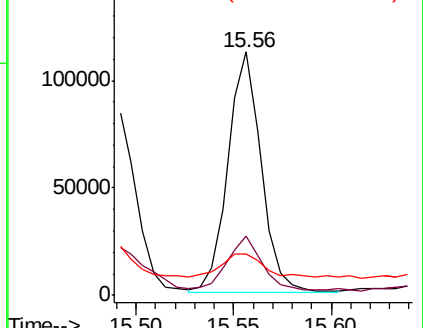
125 16.9 9.2 13.8#



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: 2.192 ng

RT: 17.62 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

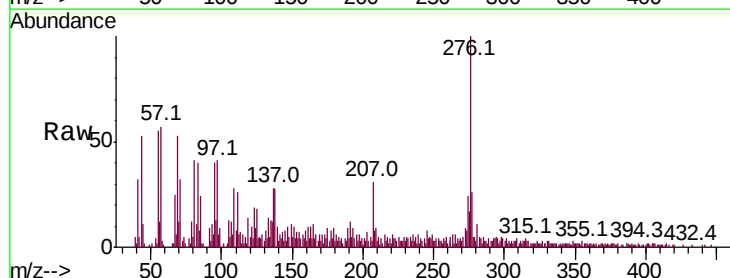
Tgt Ion:276 Resp: 60885

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 27.5 17.4 26.2#



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

