

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119400.D
 Acq On : 13 Mar 2020 00:53
 Operator : CG/JU
 Sample : L1871-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 04:26:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

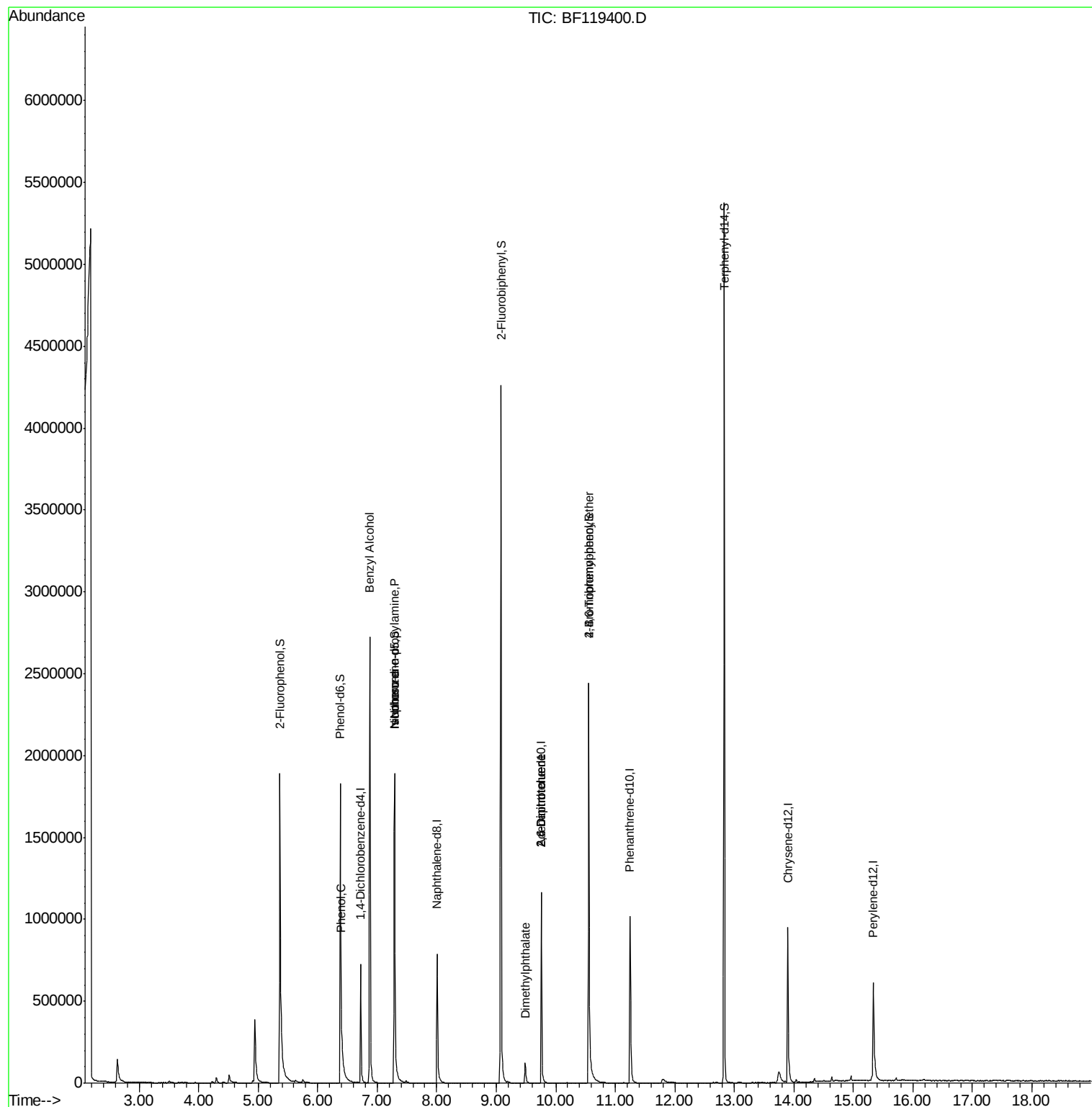
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	122204	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	474669	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	262652	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	524705	20.00	ng	0.00
76) Chrysene-d12	13.90	240	426836	20.00	ng	0.01
87) Perylene-d12	15.33	264	410339	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	845340	115.60	ng	0.01
7) Phenol-d6	6.38	99	938404	105.52	ng	0.00
23) Nitrobenzene-d5	7.29	82	773448	86.03	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	431838	125.68	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1476440	82.81	ng	0.00
79) Terphenyl-d14	12.83	244	2021366	81.53	ng	0.00
Target Compounds						
10) Phenol	6.40	94	20636	2.146	ng	# 60
15) Benzyl Alcohol	6.87	79	13127	2.042	ng	# 47
19) n-Nitroso-di-n-propylamine	7.29	70	106673	20.585	ng	# 75
25) Isophorone	7.29	82	774662	49.617	ng	# 63
50) Dimethylphthalate	9.49	163	76194	3.794	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	33630	7.537	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	33630	5.814	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	28768	4.194	ng	# 1

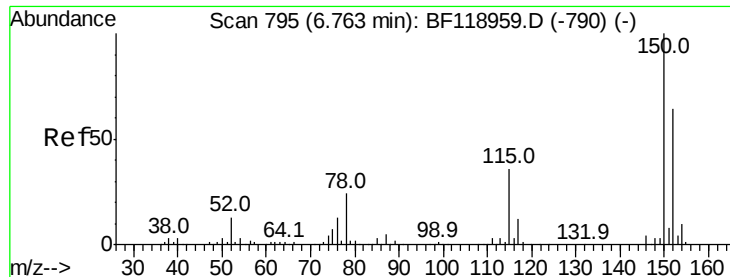
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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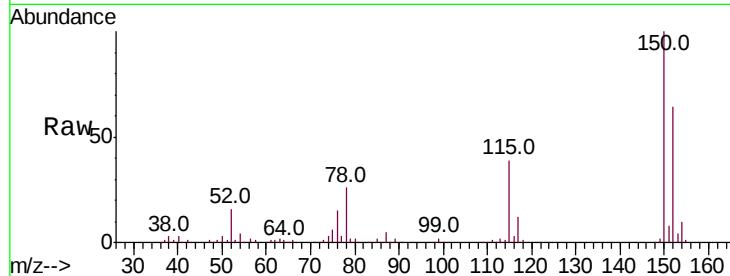


#1

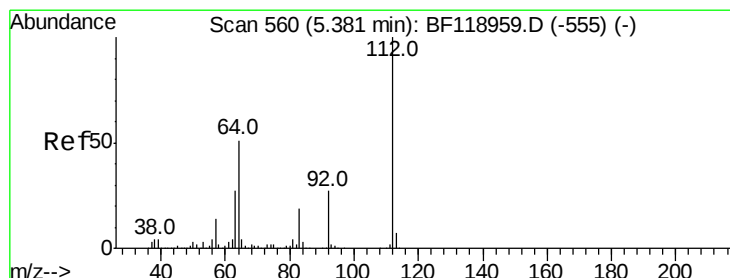
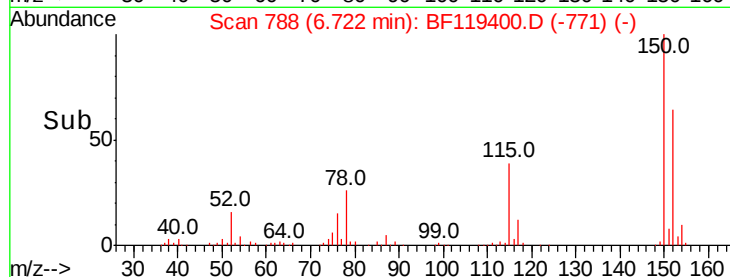
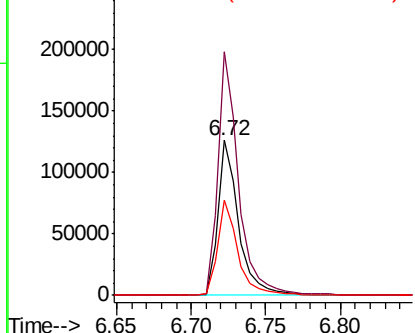
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122204
Ion Ratio Lower Upper
152 100
150 157.3 123.0 184.6
115 61.8 49.5 74.3



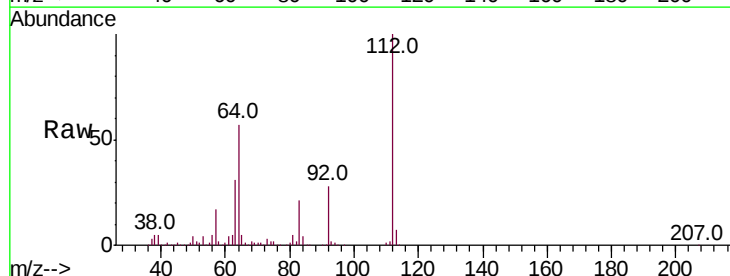
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



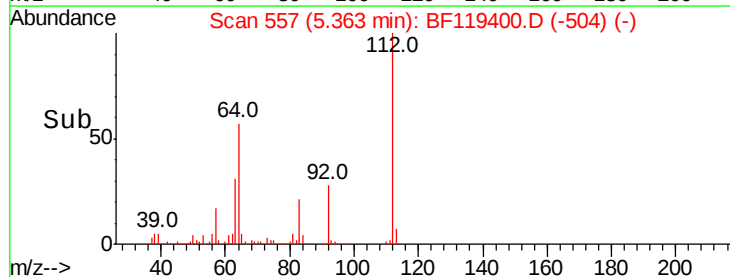
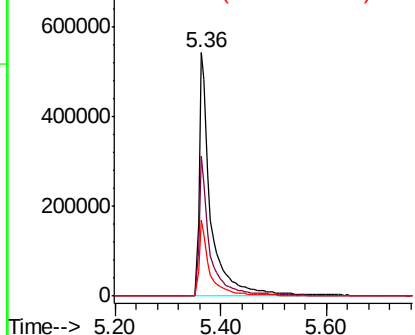
#5

2-Fluorophenol
Concen: 115.603 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Tgt Ion:112 Resp: 845340
Ion Ratio Lower Upper
112 100
64 57.3 45.0 67.4
63 31.4 24.2 36.4



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: 105.518 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119400.D

Acq: 13 Mar 2020 00:53

Instrument :

BNA_F

ClientSampleId :

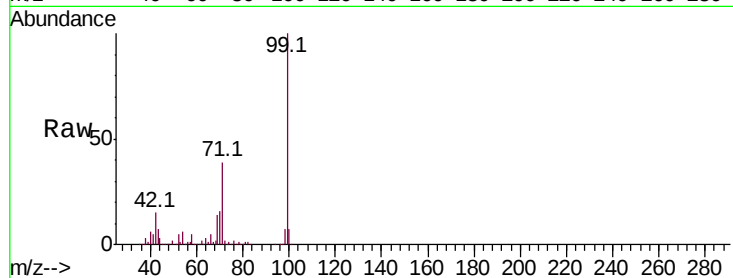
Tot Ion: 99 Resp: 938404

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

71 38.9 31.0 46.4



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

800000

600000

400000

200000

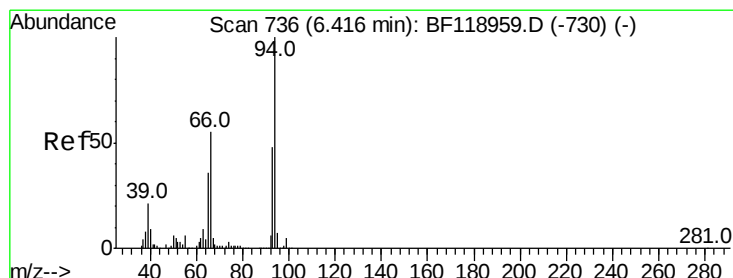
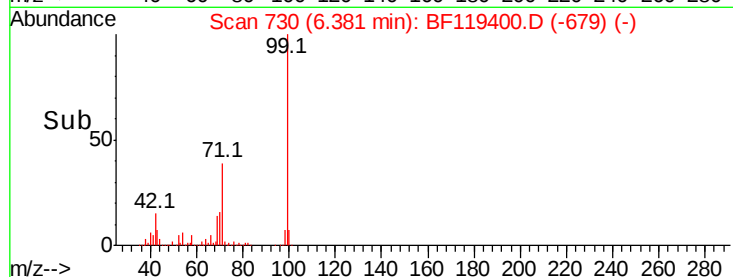
0

6.38

6.40

6.60

Time-->



#10

Phenol

Concen: 2.146 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF119400.D

Acq: 13 Mar 2020 00:53

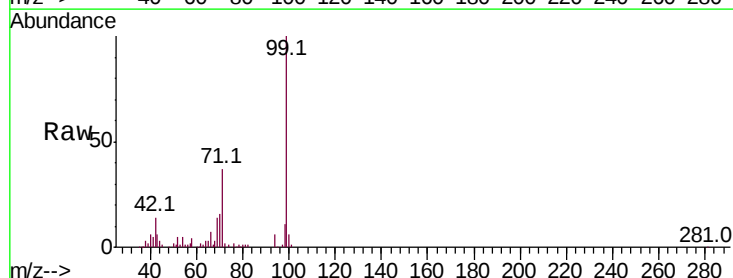
Tgt Ion: 94 Resp: 20636

Ion Ratio Lower Upper

94 100

65 40.9 19.2 59.2

66 113.2 44.4 84.4#



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

40000

30000

20000

10000

0

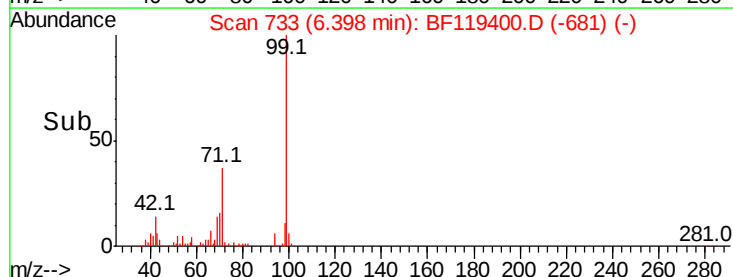
6.35

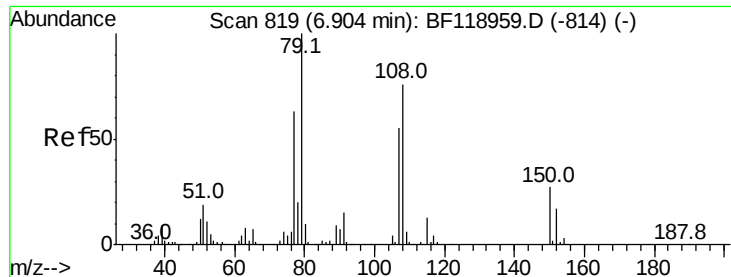
6.40

6.45

6.50

Time-->

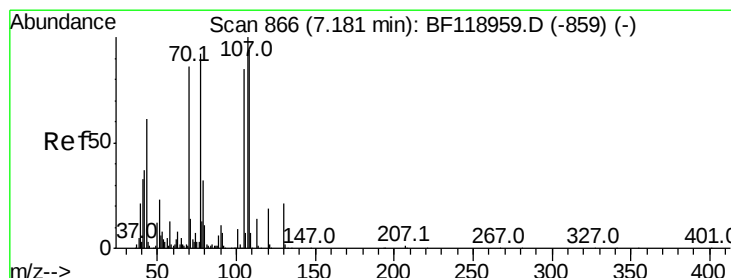
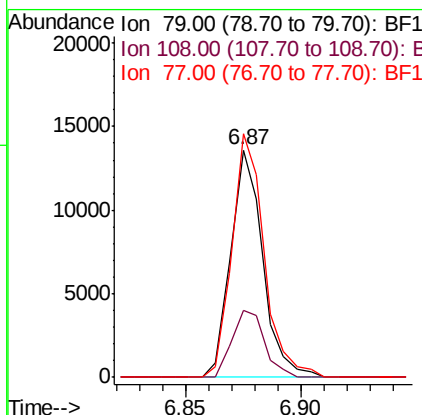
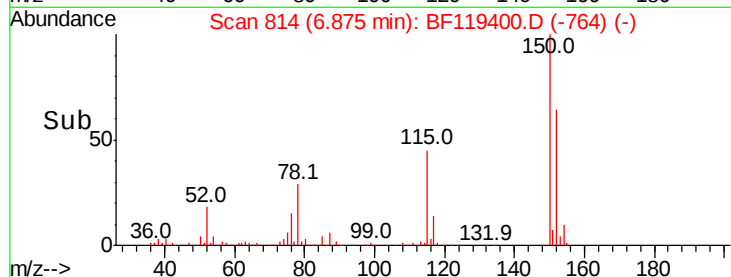
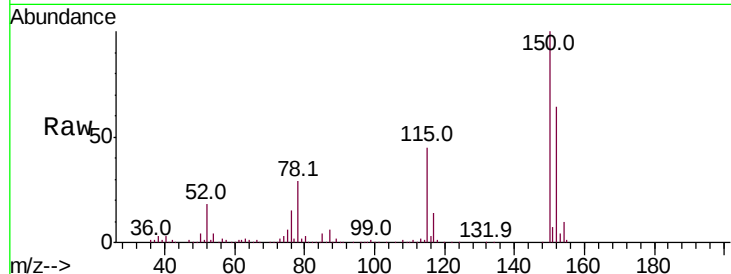




#15
Benzyl Alcohol
Concen: 2.042 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

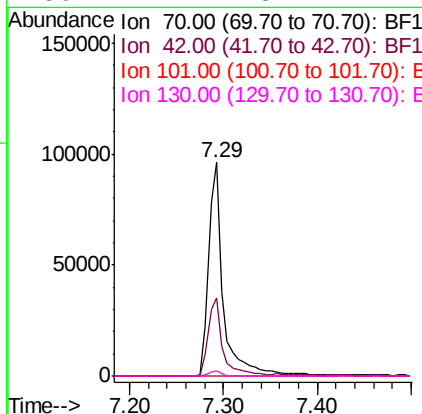
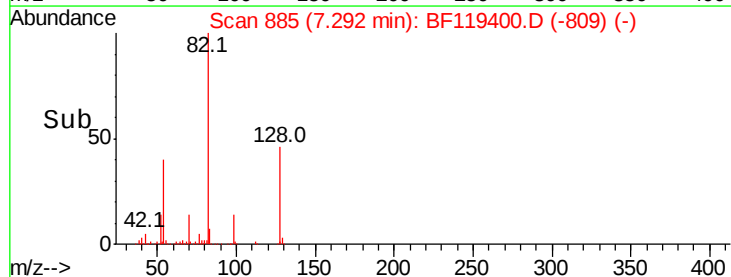
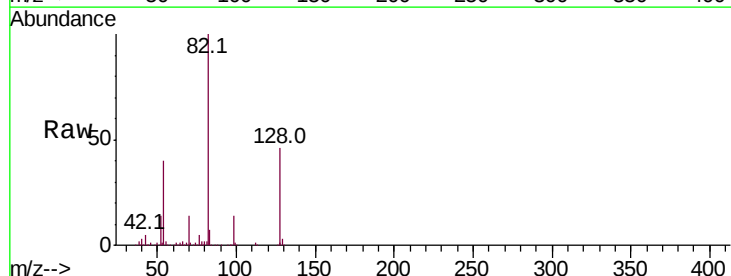
Instrument :
BNA_F
ClientSampled :

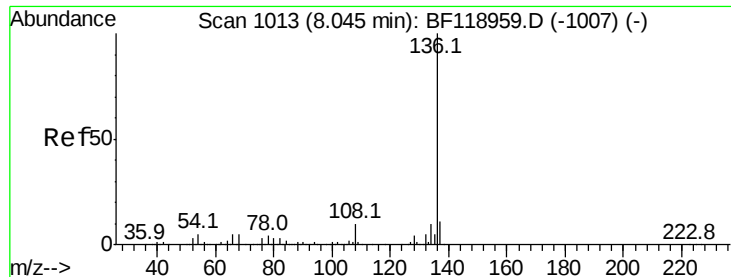
Tot Ion: 79 Resp: 13127
Ion Ratio Lower Upper
79 100
108 29.5 58.2 87.2#
77 107.2 51.2 76.8#



#19
n-Nitroso-di-n-propylamine
Concen: 20.585 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.15 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Tgt Ion: 70 Resp: 106673
Ion Ratio Lower Upper
70 100
42 36.5 38.0 57.0#
101 0.0 8.2 12.4#
130 2.4 18.2 27.4#

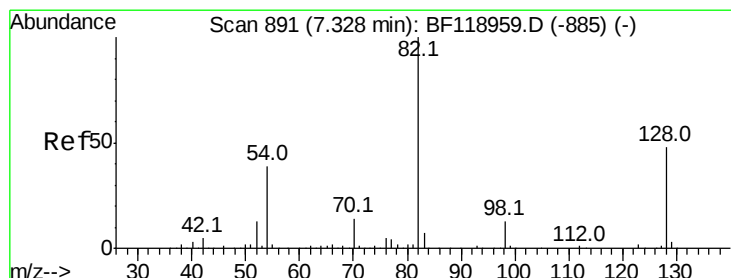
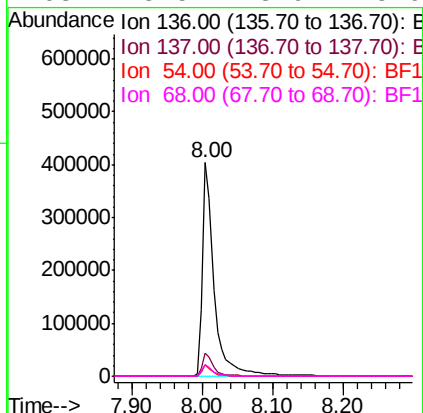
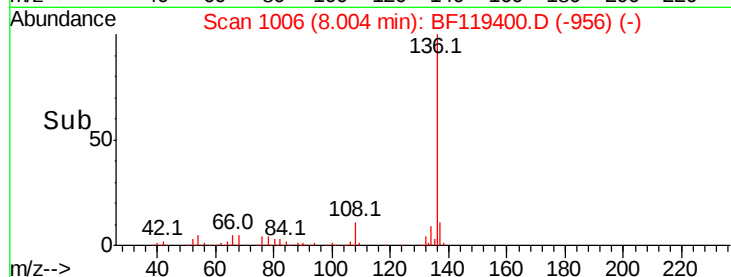
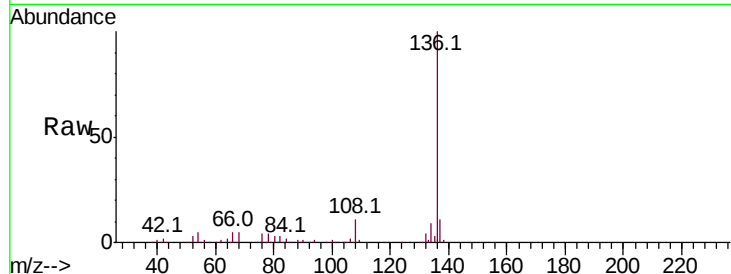




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

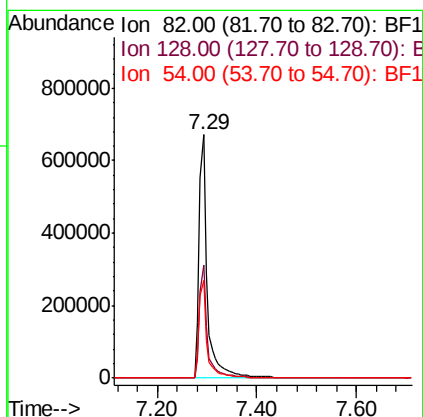
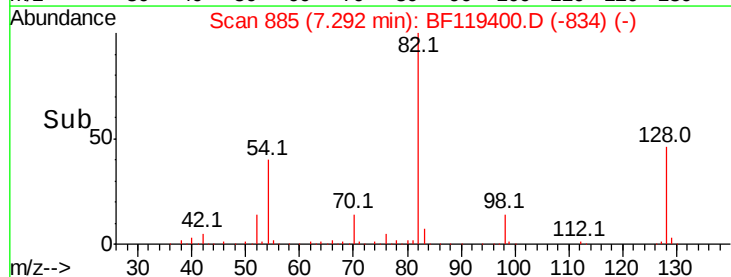
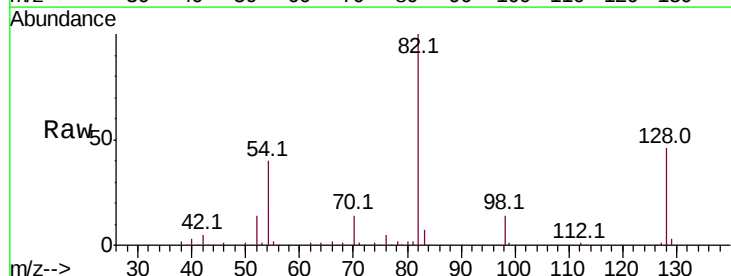
Instrument :
BNA_F
ClientSampleId :

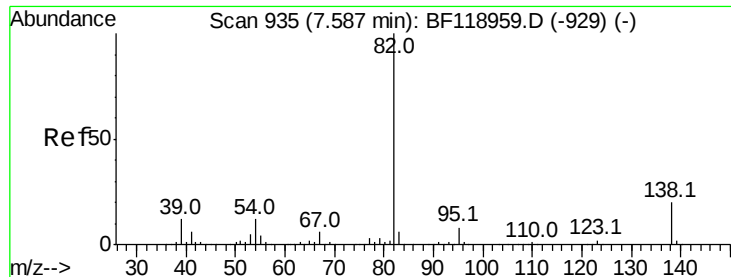
Tot Ion:136	Resp:	474669
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	5.2	3.8 5.6
68	5.5	3.9 5.9



#23
Nitrobenzene-d5
Concen: 86.035 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Tgt Ion: 82	Resp:	773448
Ion	Ratio	Lower Upper
82	100	
128	46.3	37.9 56.9
54	39.9	33.4 50.2

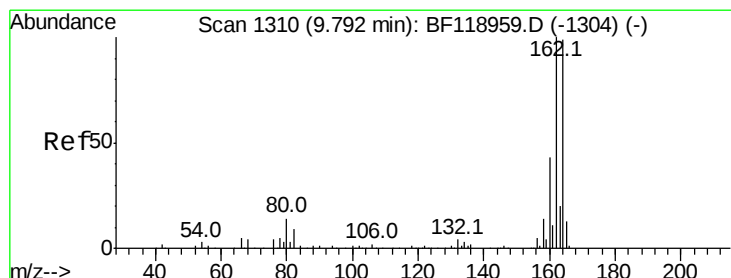
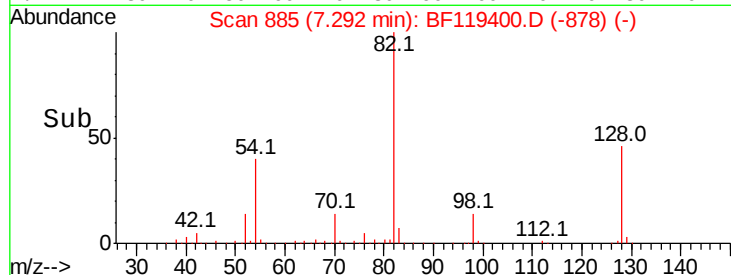
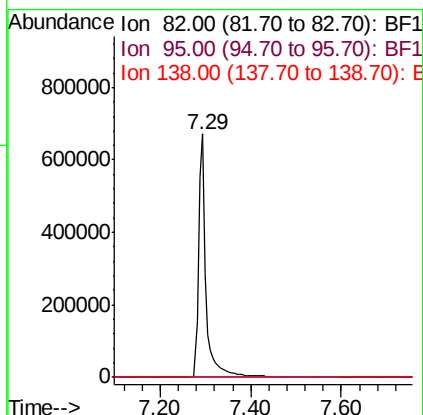
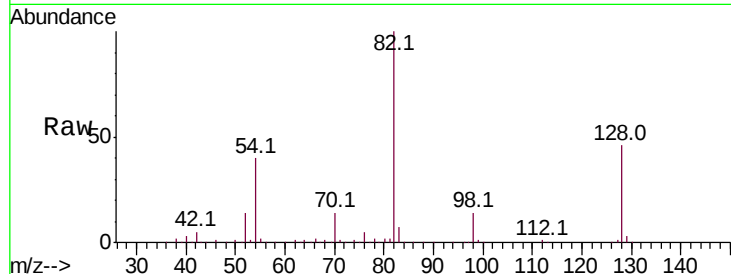




#25
Isophorone
Concen: 49.617 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

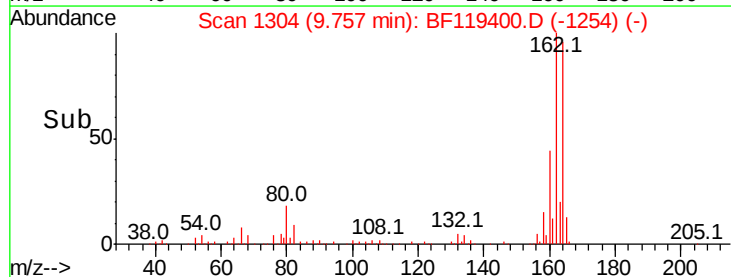
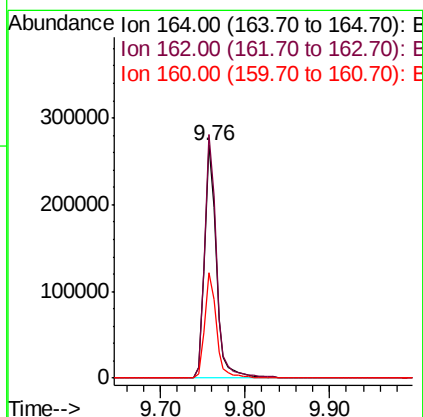
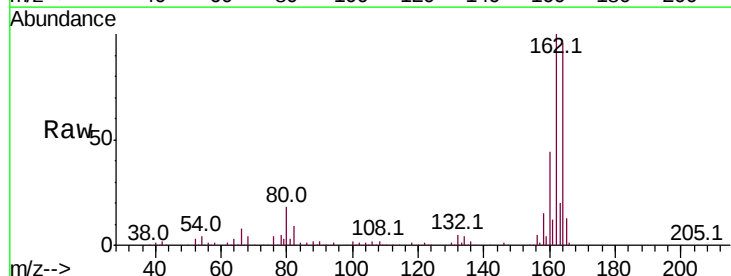
Instrument :
BNA_F
ClientSampleId :

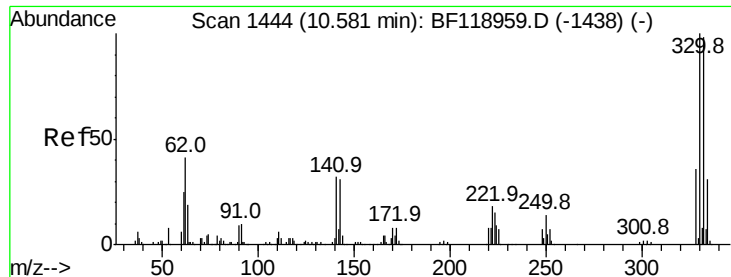
Tot Ion: 82 Resp: 774662
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Tgt Ion:164 Resp: 262652
Ion Ratio Lower Upper
164 100
162 104.4 81.8 122.8
160 45.5 36.0 54.0

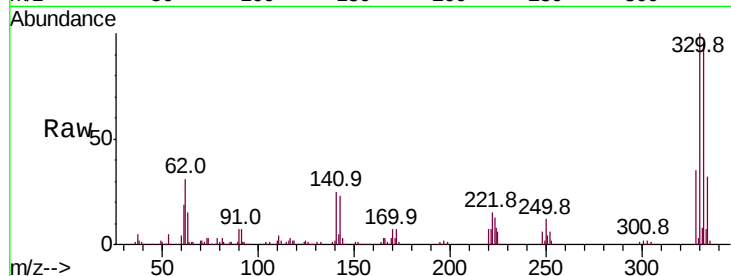




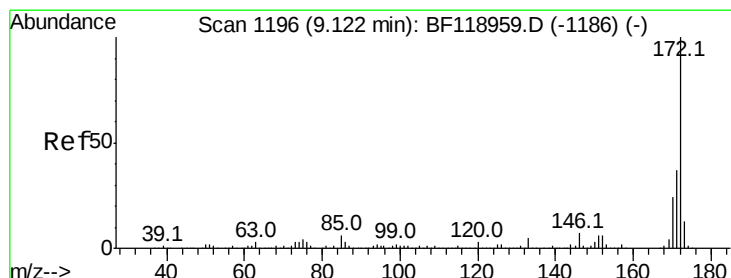
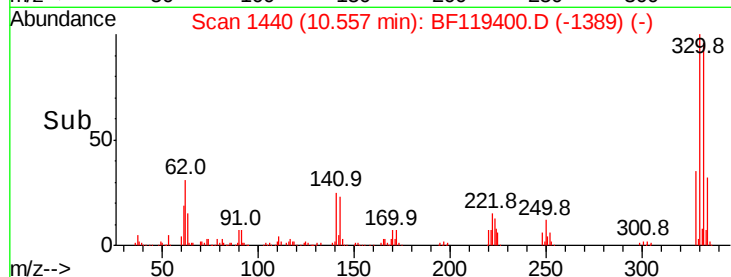
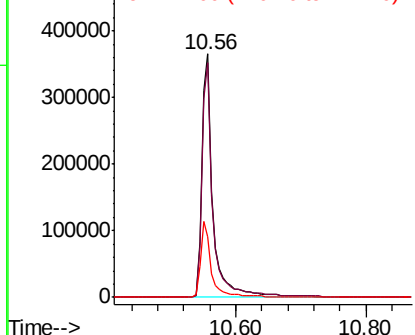
#42
 2,4,6-Tribromophenol
 Concen: 125.683 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF119400.D
 Acq: 13 Mar 2020 00:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.0	114.0
141	30.9	22.9	34.3

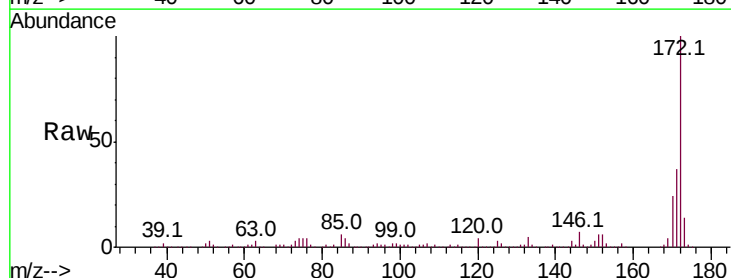


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

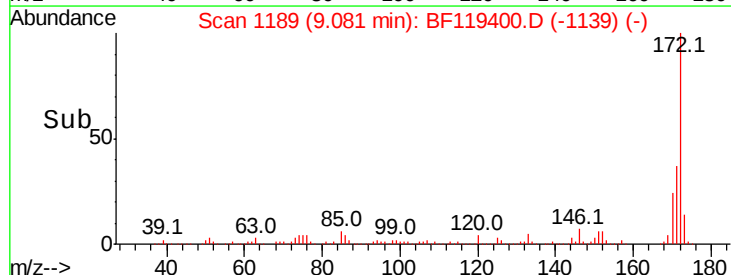
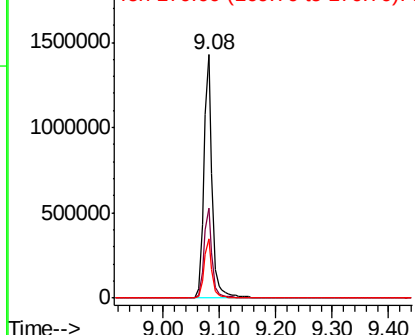


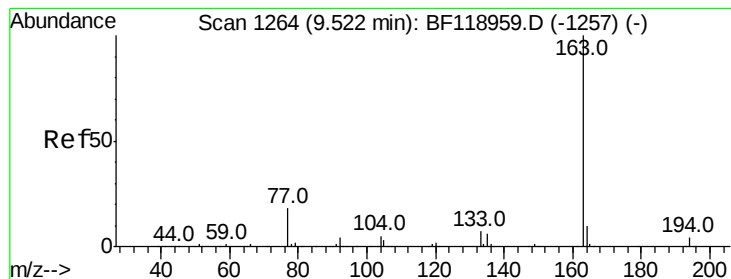
#45
 2-Fluorobiphenyl
 Concen: 82.811 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119400.D
 Acq: 13 Mar 2020 00:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	45.8
170	24.4	20.2	30.2



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: 3.794 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF119400.D

Acq: 13 Mar 2020 00:53

Instrument :

BNA_F

ClientSampleId :

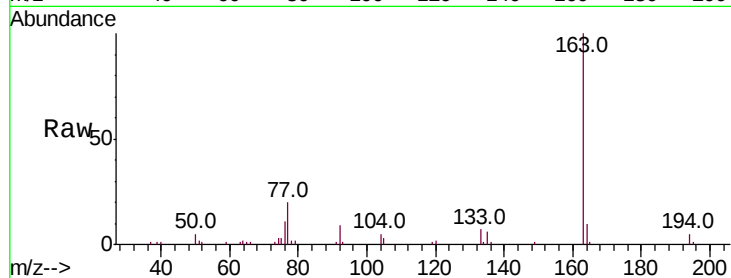
Tot Ion:163 Resp: 76194

Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

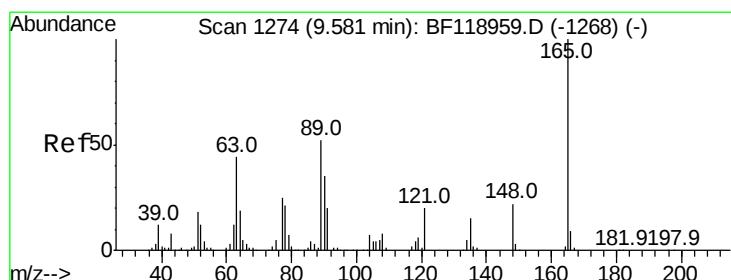
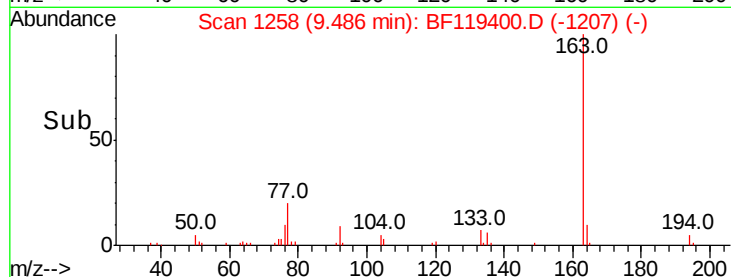
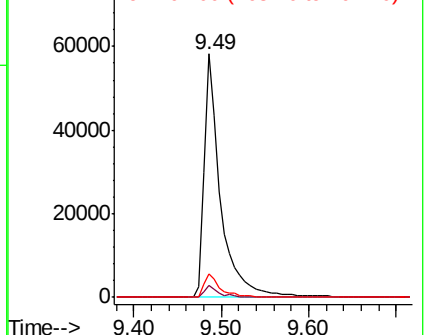
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.537 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119400.D

Acq: 13 Mar 2020 00:53

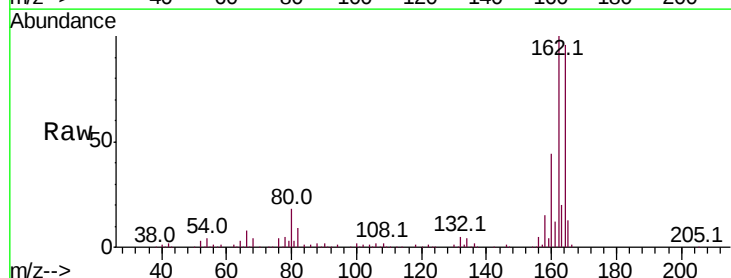
Tgt Ion:165 Resp: 33630

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

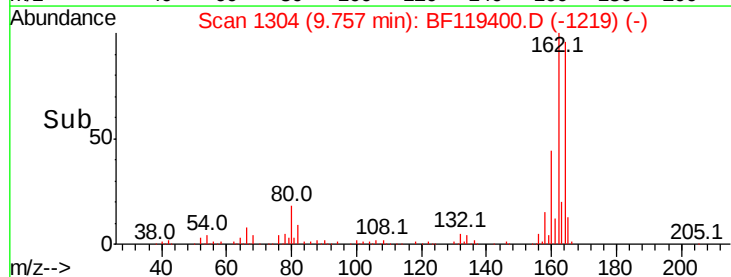
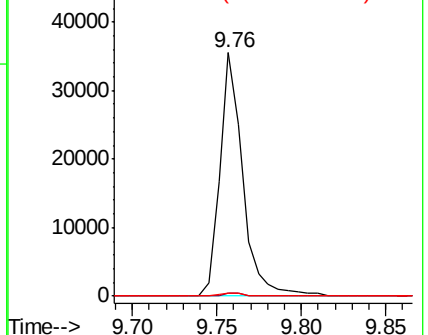
89 1.2 38.3 57.5#

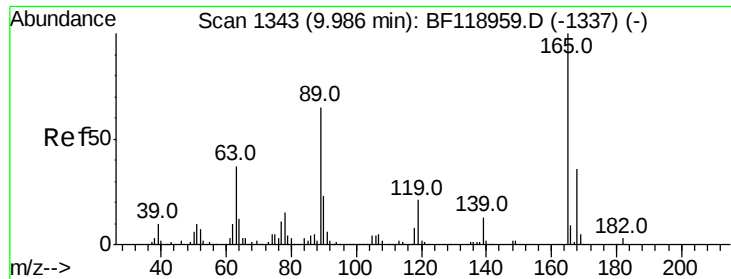


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

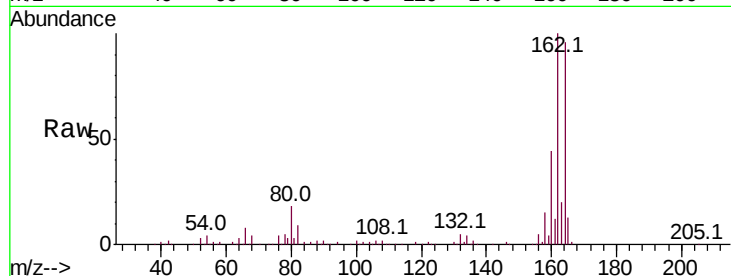




#57
 2,4-Dinitrotoluene
 Concen: 5.814 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF119400.D
 Acq: 13 Mar 2020 00:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.3	63.5#
89	1.2	60.2	90.4#
182	0.0	2.3	3.5#

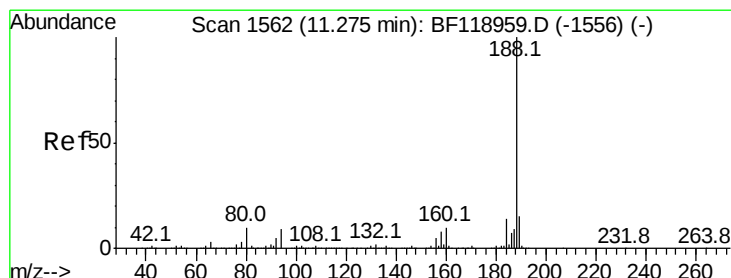
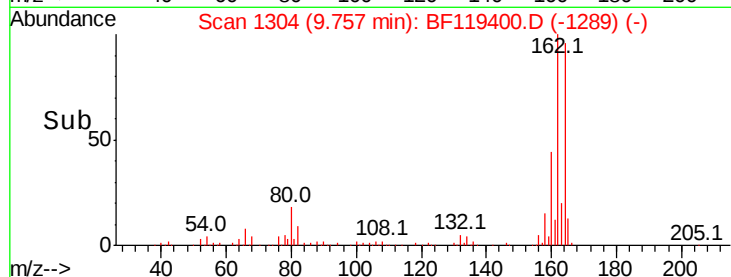
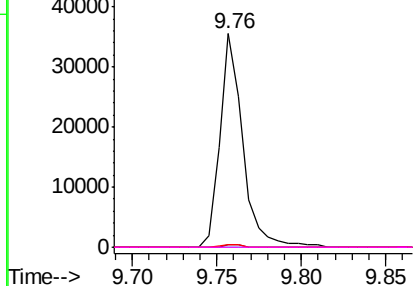


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

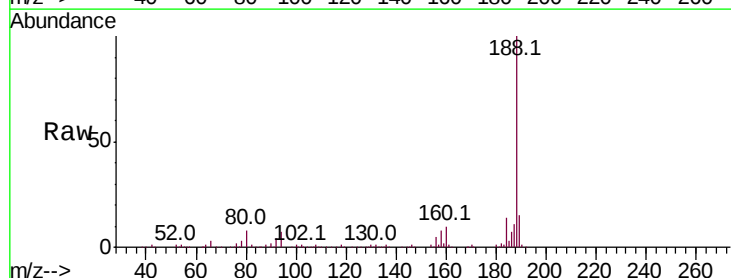
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF119400.D
 Acq: 13 Mar 2020 00:53

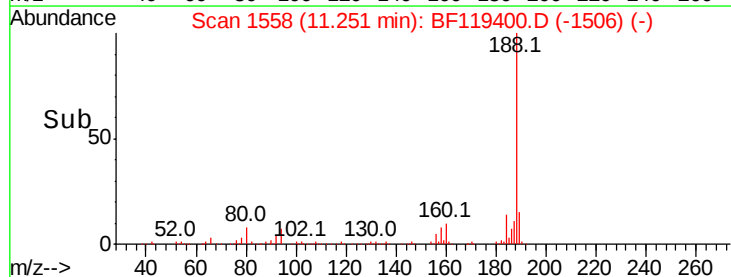
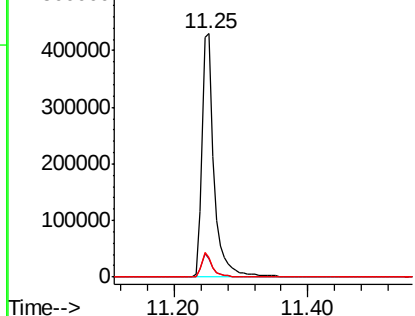
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.1	10.7
80	8.3	7.8	11.8

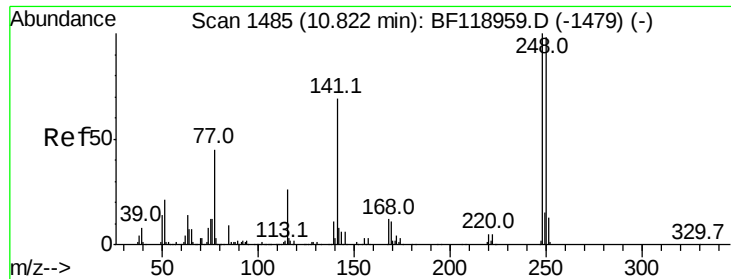


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

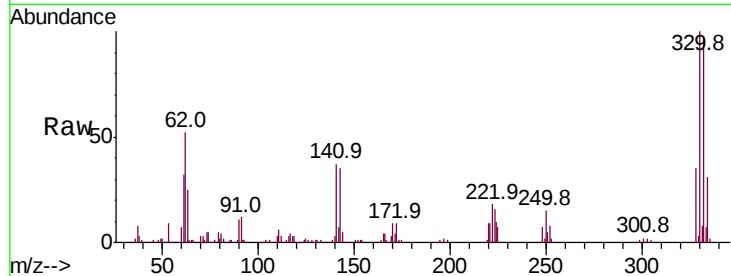




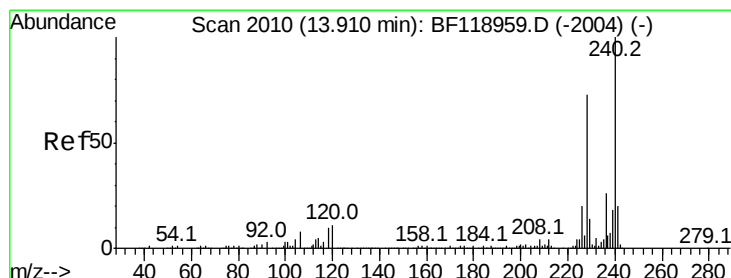
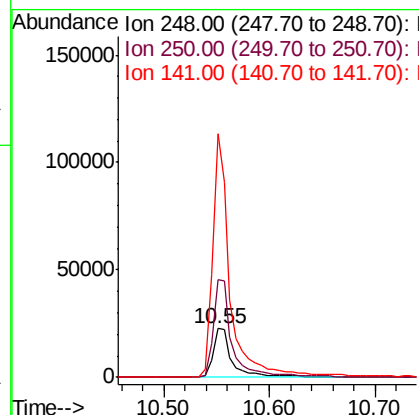
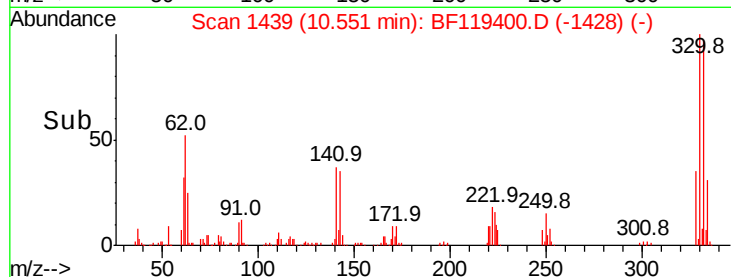
#67
4-Bromophenyl-phenylether
Concen: 4.194 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28768
Ion Ratio Lower Upper
248 100
250 198.9 76.7 115.1#
141 497.2 60.7 91.1#

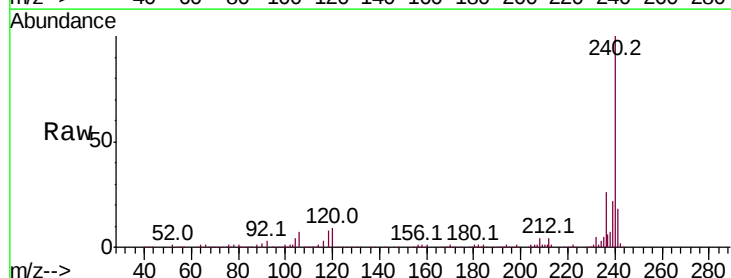


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

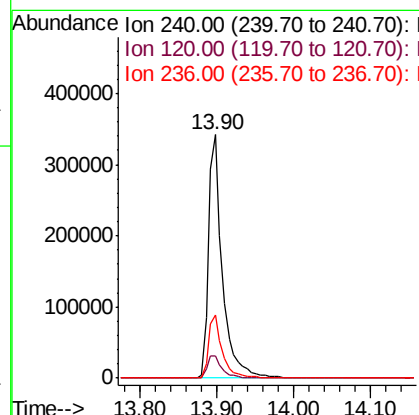
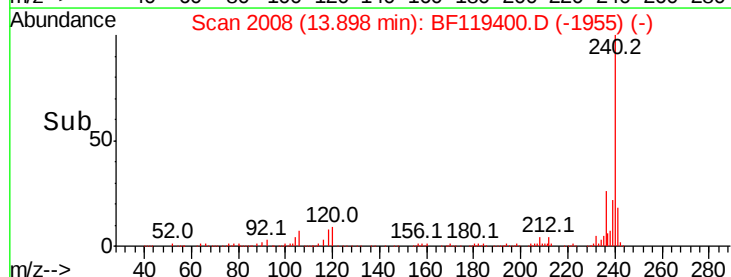


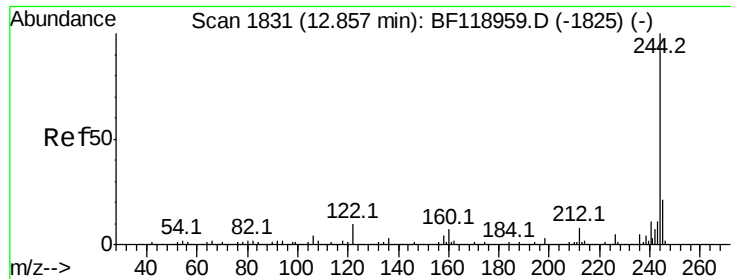
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF119400.D
Acq: 13 Mar 2020 00:53

Tgt Ion:240 Resp: 426836
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 26.0 21.0 31.4



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





#79

Terphenyl-d14

Concen: 81.533 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF119400.D

Acq: 13 Mar 2020 00:53

Instrument :

BNA_F

ClientSampleId :

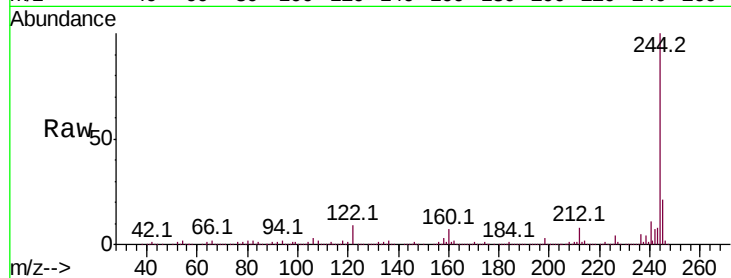
Tot Ion:244 Resp: 2021366

Ion Ratio Lower Upper

244 100

212 7.6 6.6 10.0

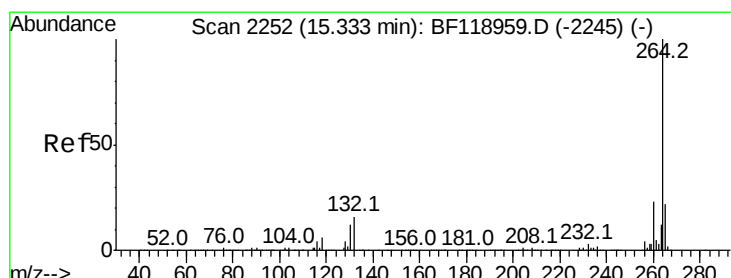
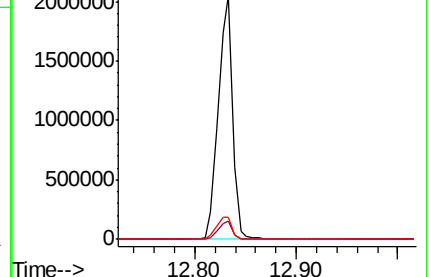
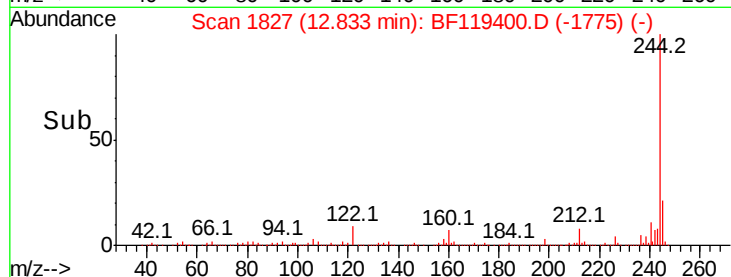
122 9.1 8.2 12.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.02 min

Lab File: BF119400.D

Acq: 13 Mar 2020 00:53

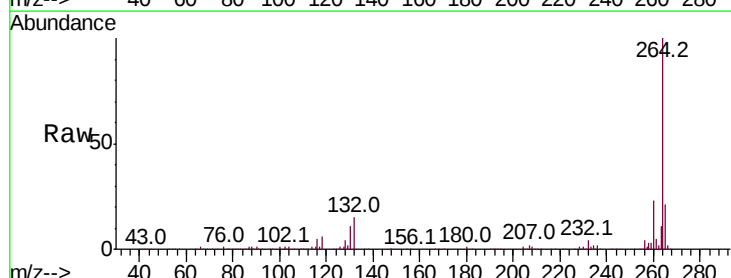
Tgt Ion:264 Resp: 410339

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

265 21.0 17.7 26.5



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

