

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119395.D
 Acq On : 12 Mar 2020 22:28
 Operator : CG/JU
 Sample : L1852-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 01:48:29 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	119570	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	464898	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	257946	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	516664	20.00	ng	0.00
76) Chrysene-d12	13.90	240	415560	20.00	ng	0.01
87) Perylene-d12	15.33	264	414568	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	884529	123.63	ng	0.02
7) Phenol-d6	6.38	99	963348	110.71	ng	0.00
23) Nitrobenzene-d5	7.29	82	810279	92.03	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	449013	133.07	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1539948	87.95	ng	0.00
79) Terphenyl-d14	12.83	244	2057266	85.23	ng	0.00

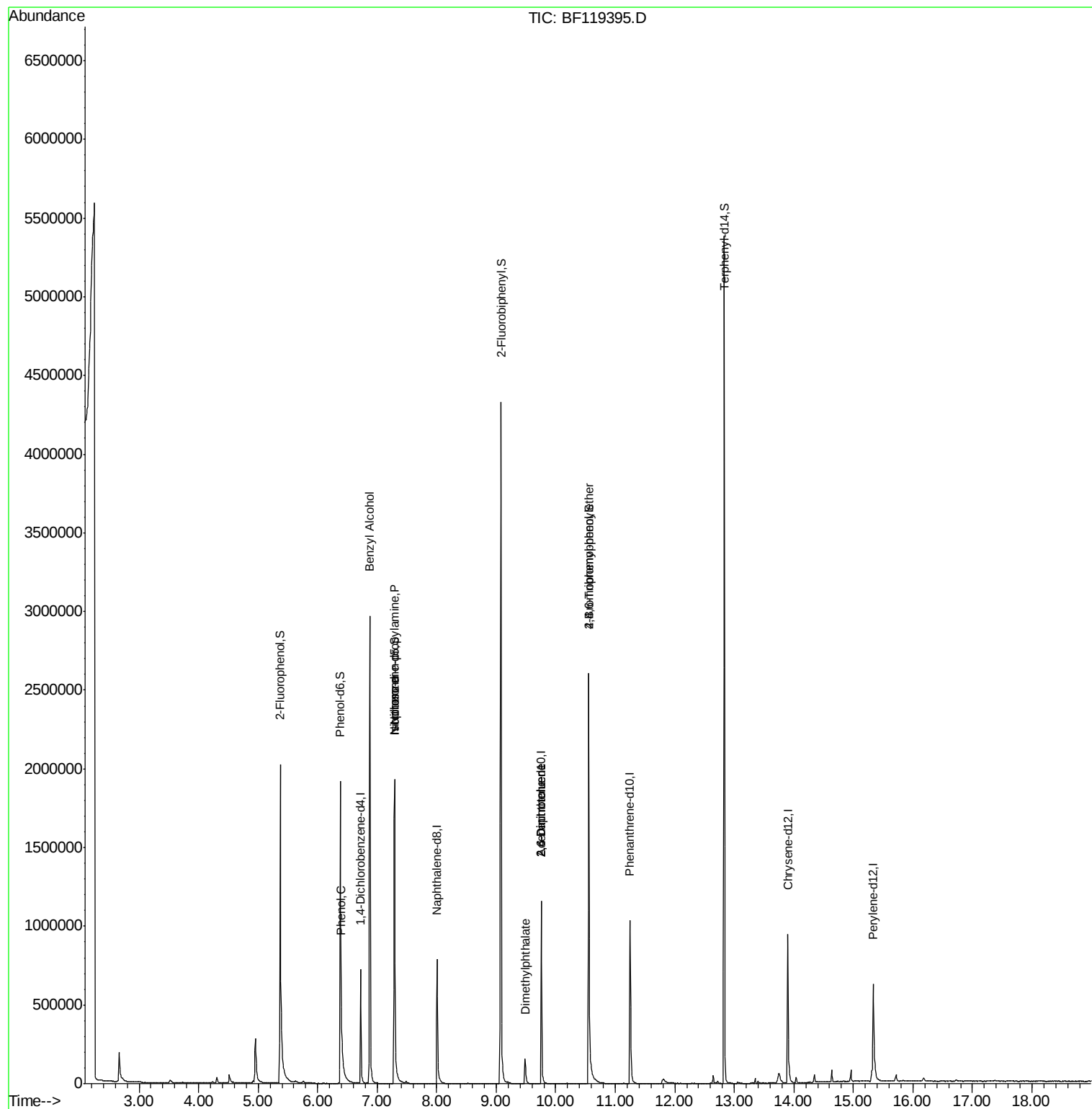
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	24148	2.567	ng	# 63
15) Benzyl Alcohol	6.87	79	14134	2.247	ng	# 51
19) n-Nitroso-di-n-propylamine	7.29	70	110656	21.824	ng	# 74
25) Isophorone	7.29	82	810279	52.989	ng	# 63
50) Dimethylphthalate	9.49	163	105261	5.337	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	33070	7.546	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	33071	5.822	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	28537	4.226	ng	# 1

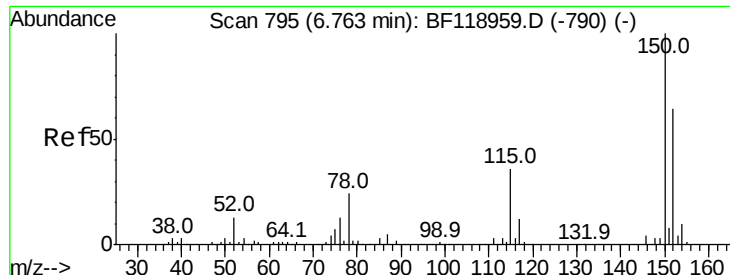
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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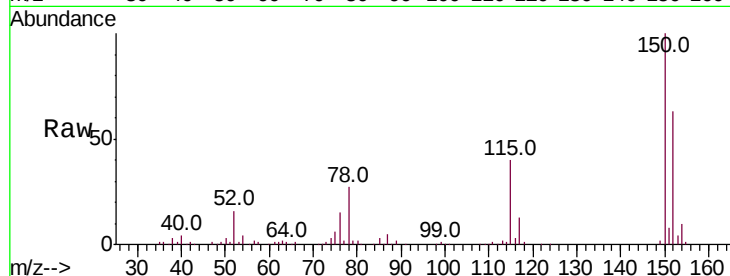


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119395.D
Acq: 12 Mar 2020 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.0	184.6
115	63.6	49.5	74.3

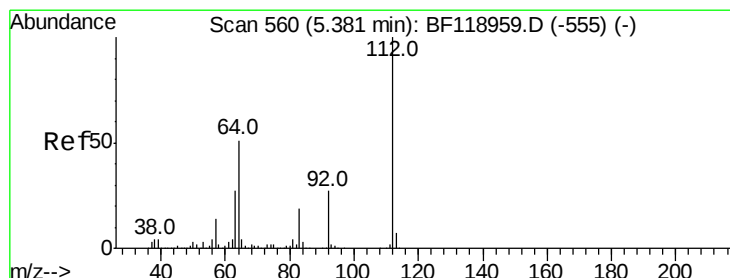
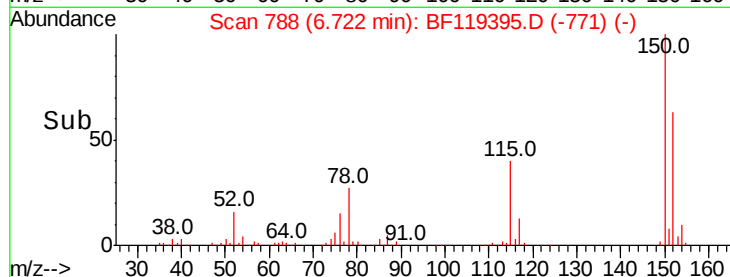
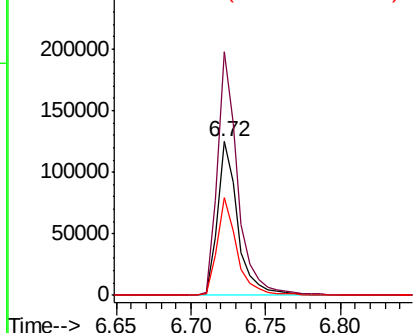


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

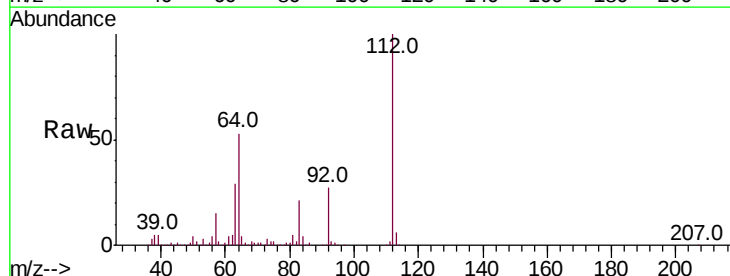
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.627 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF119395.D
Acq: 12 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.0	67.4
63	28.8	24.2	36.4

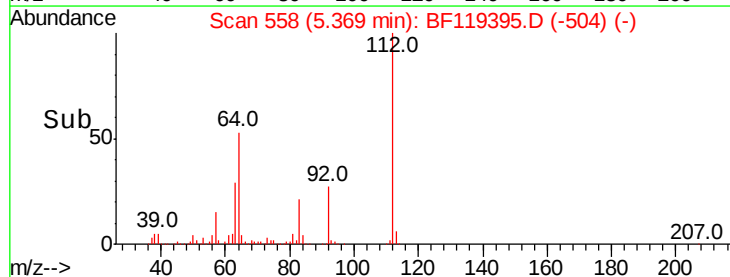
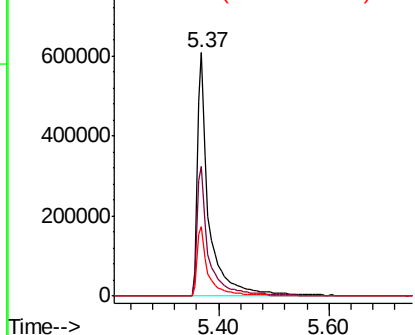


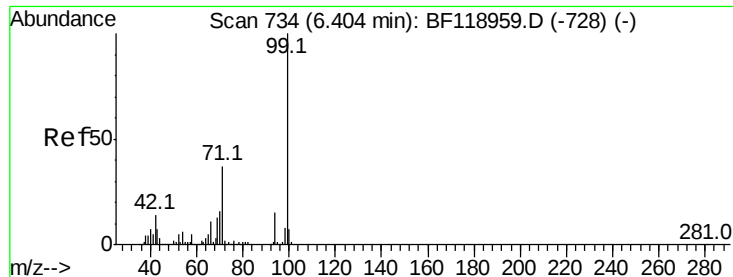
Abundance

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: 110.709 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

Instrument :

BNA_F

ClientSampleId :

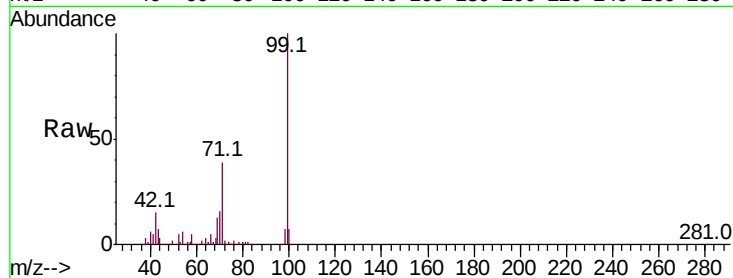
Tot Ion: 99 Resp: 963348

Ion Ratio Lower Upper

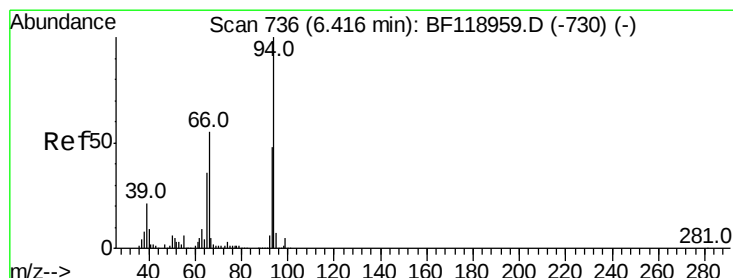
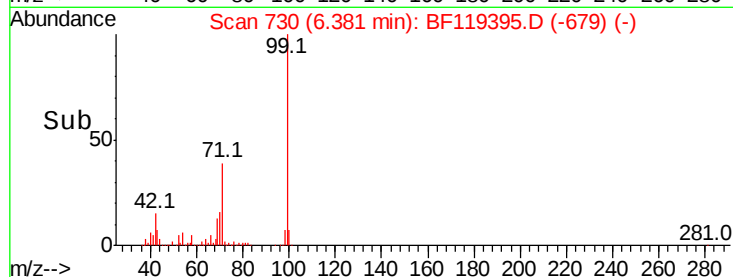
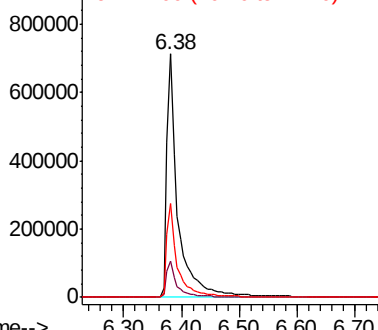
99 100

42 14.7 12.6 18.8

71 38.7 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



#10

Phenol

Concen: 2.567 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

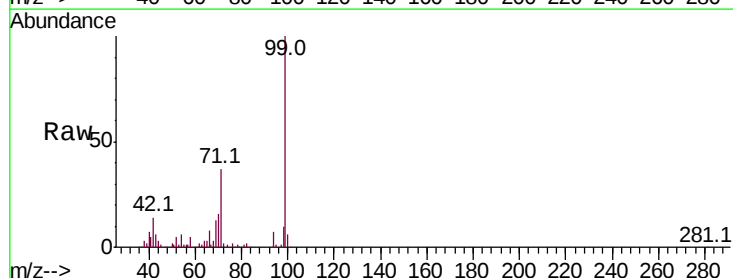
Tgt Ion: 94 Resp: 24148

Ion Ratio Lower Upper

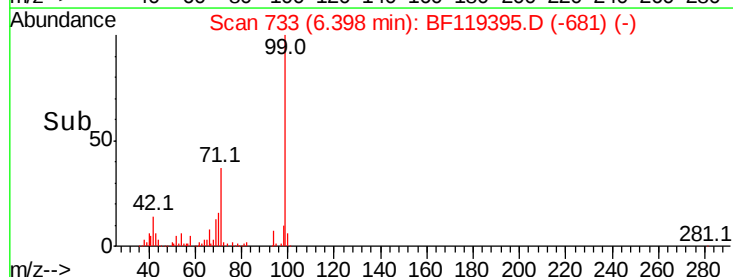
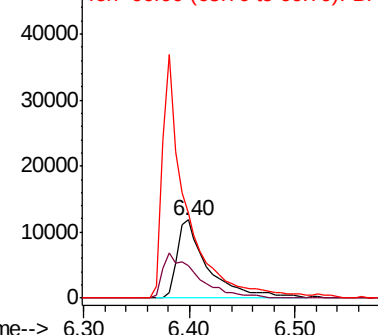
94 100

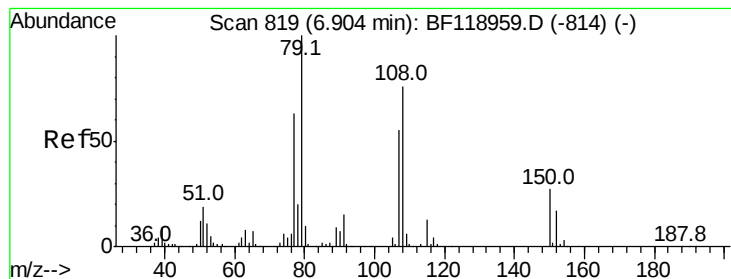
65 41.6 19.2 59.2

66 109.0 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





#15

Benzyl Alcohol

Concen: 2.247 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

Instrument :

BNA_F

ClientSampled :

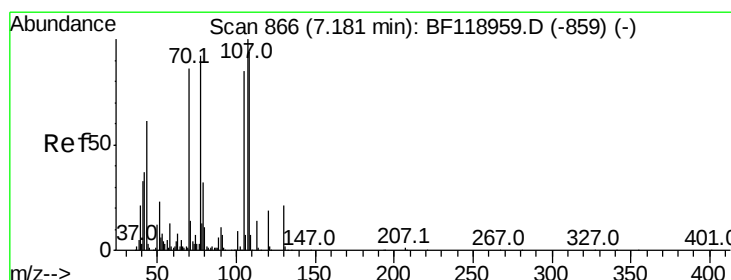
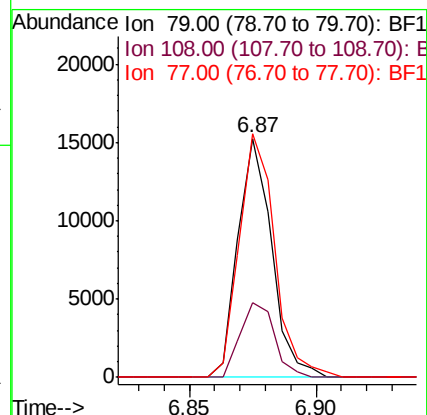
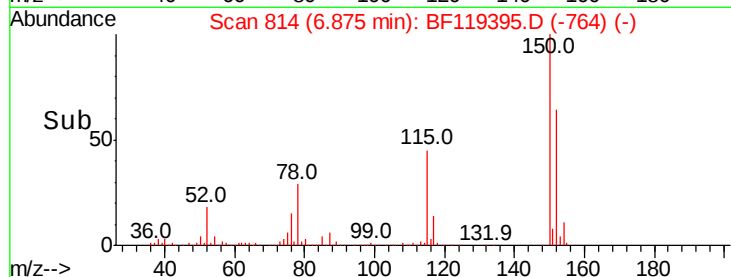
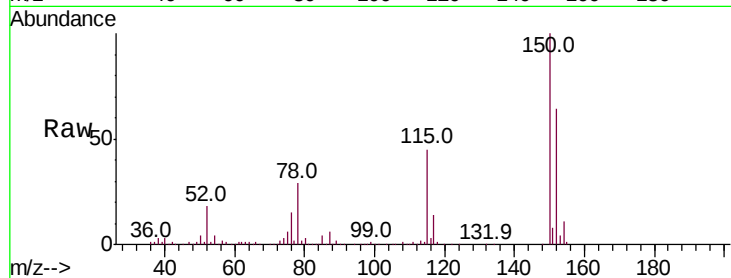
Tot Ion: 79 Resp: 14134

Ion Ratio Lower Upper

79 100

108 31.4 58.2 87.2#

77 101.9 51.2 76.8#



#19

n-Nitroso-di-n-propylamine

Concen: 21.824 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

Tgt Ion: 70 Resp: 110656

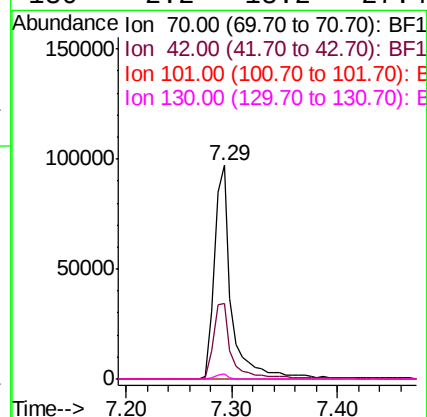
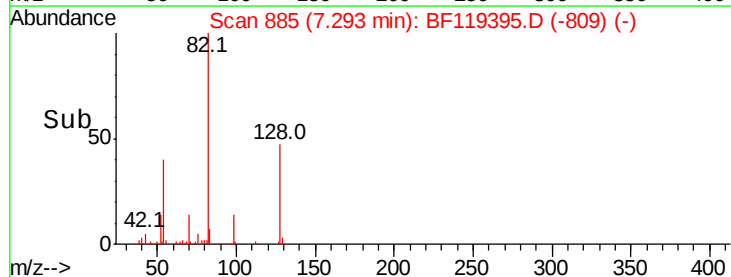
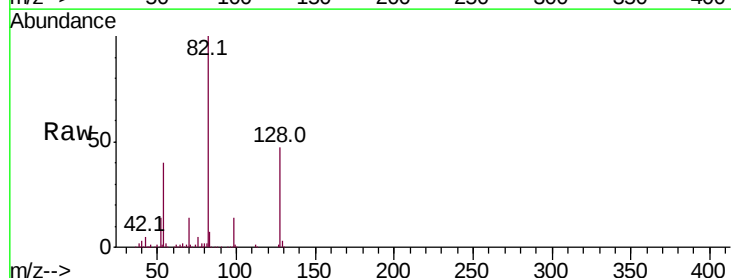
Ion Ratio Lower Upper

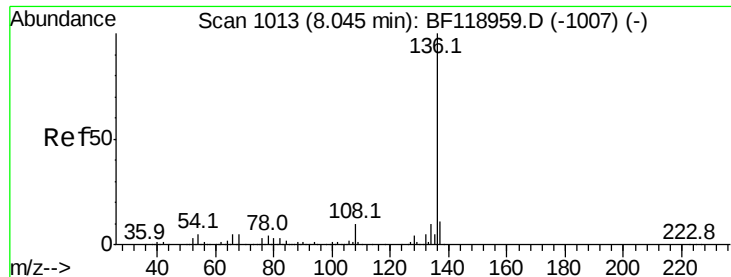
70 100

42 35.6 38.0 57.0#

101 0.0 8.2 12.4#

130 2.2 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: BF119395.D

Acq: 12 Mar 2020 22:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 464898

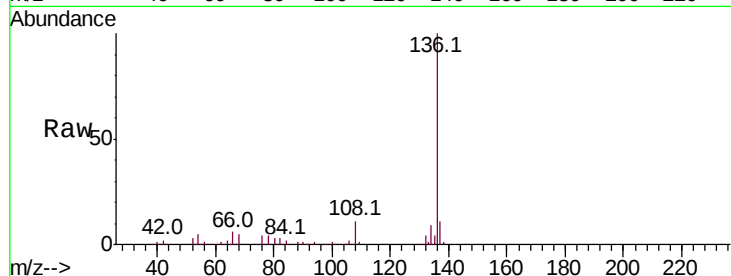
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 5.1 3.8 5.6

68 5.1 3.9 5.9

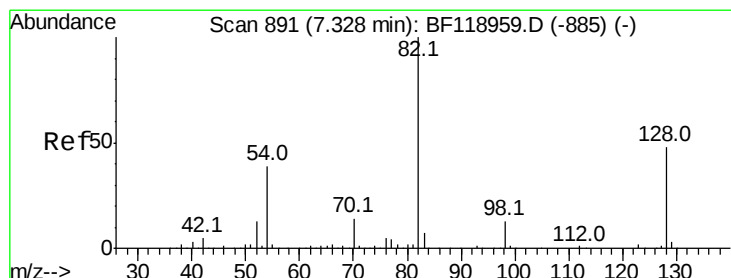
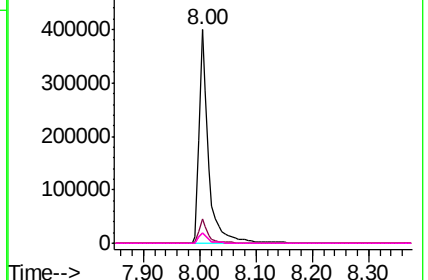
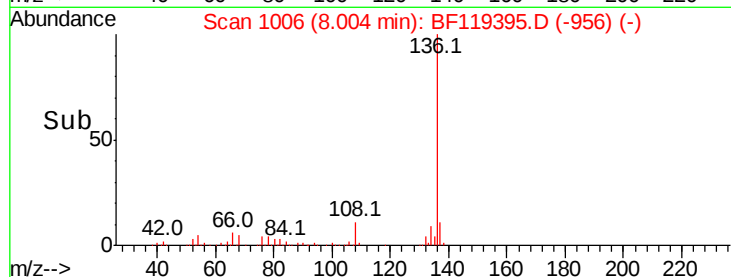


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 92.026 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

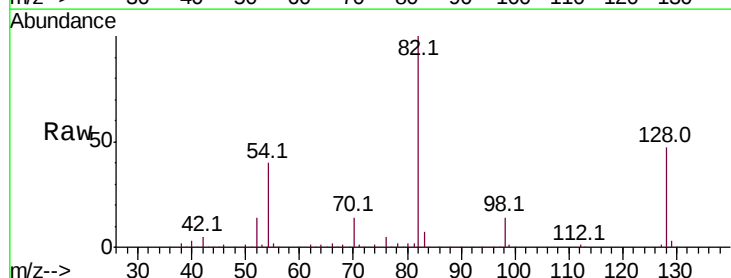
Tgt Ion: 82 Resp: 810279

Ion Ratio Lower Upper

82 100

128 46.5 37.9 56.9

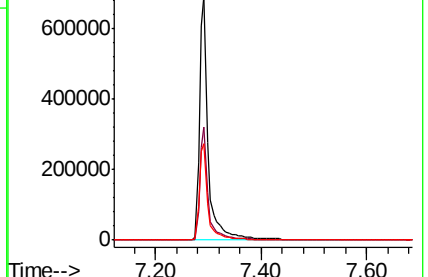
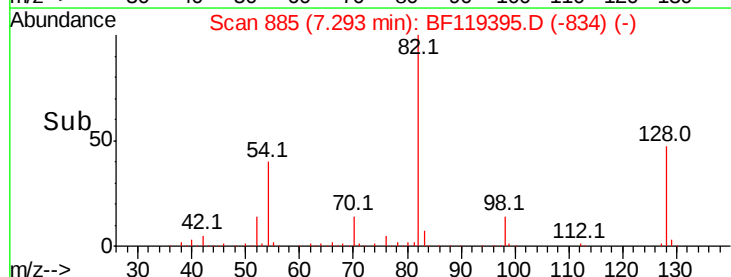
54 39.7 33.4 50.2

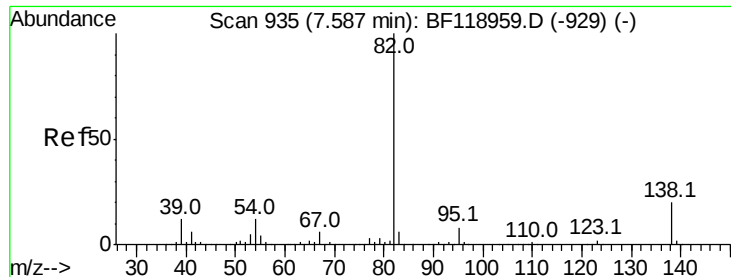


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 52.989 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

Instrument :

BNA_F

ClientSampled :

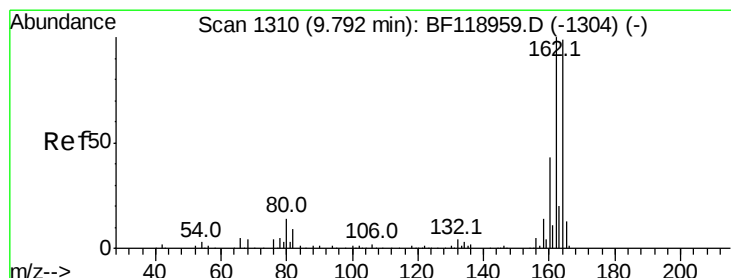
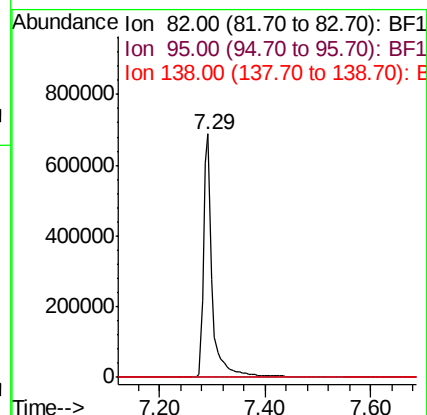
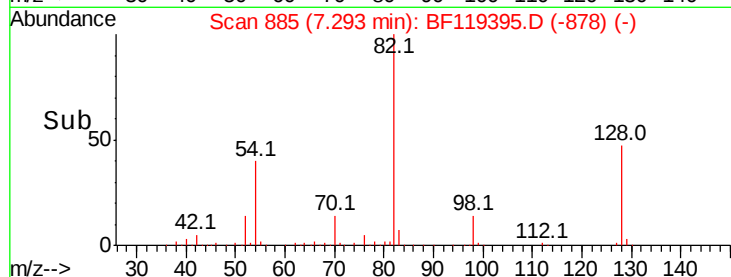
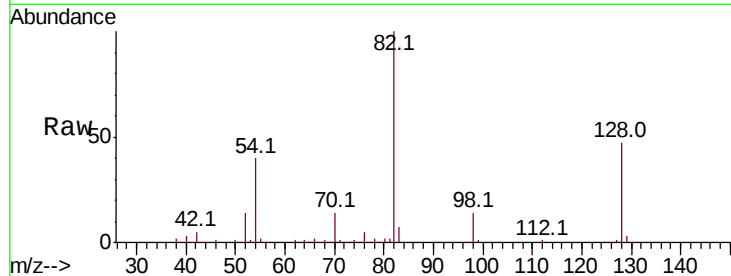
Tot Ion: 82 Resp: 810279

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: BF119395.D

Acq: 12 Mar 2020 22:28

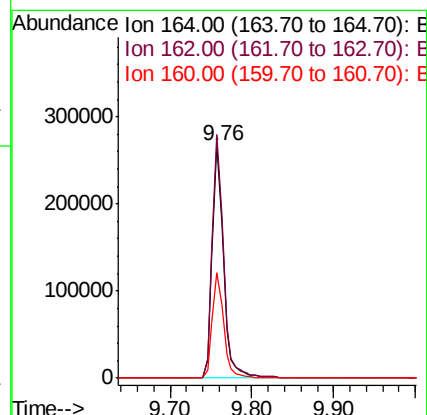
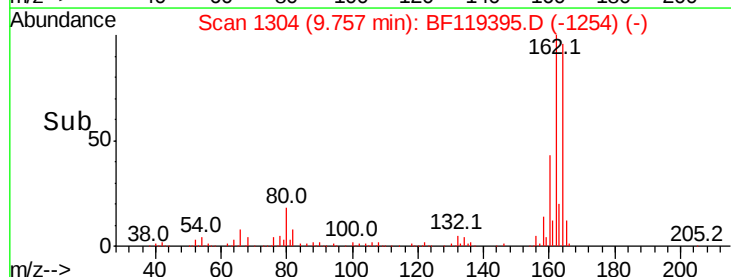
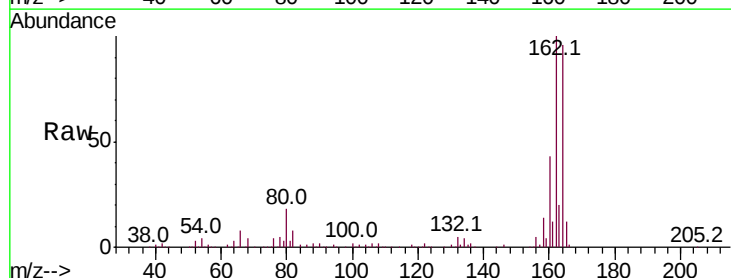
Tgt Ion:164 Resp: 257946

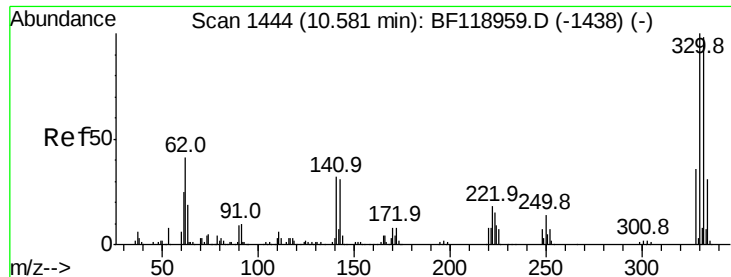
Ion Ratio Lower Upper

164 100

162 104.3 81.8 122.8

160 45.0 36.0 54.0

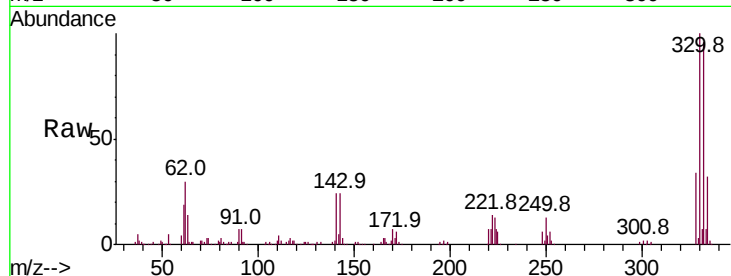




#42
 2,4,6-Tribromophenol
 Concen: 133.066 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF119395.D
 Acq: 12 Mar 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.0	114.0
141	30.3	22.9	34.3

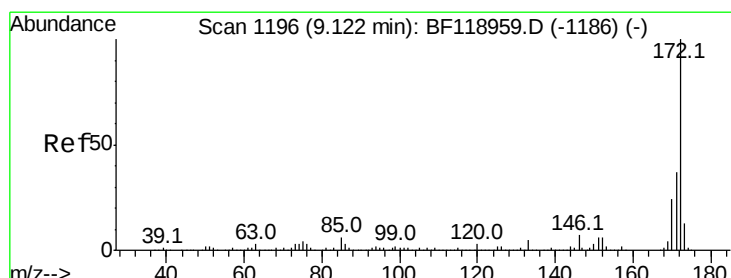
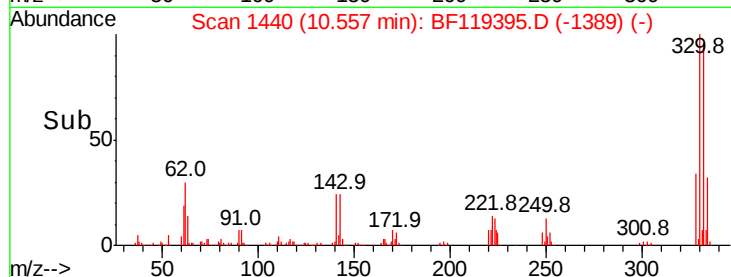
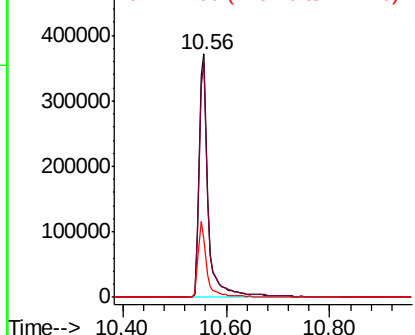


Abundance

Ion 329.80 (329.50 to 330.50): E

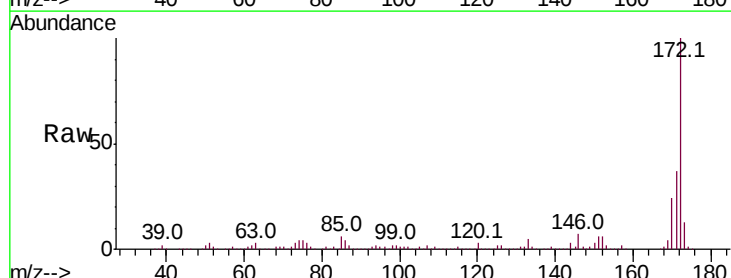
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.949 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119395.D
 Acq: 12 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	24.0	20.2	30.2

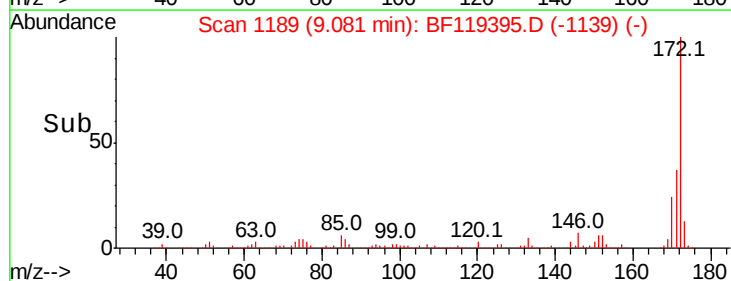
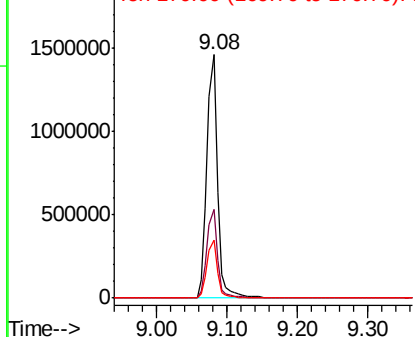


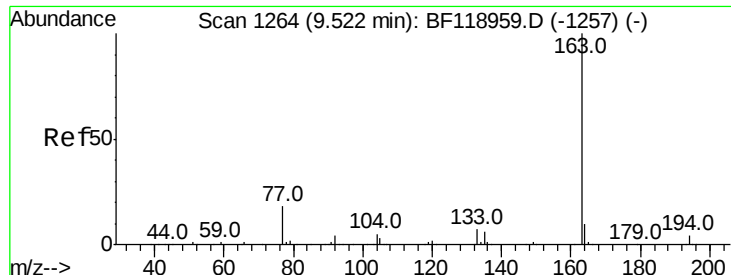
Abundance

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

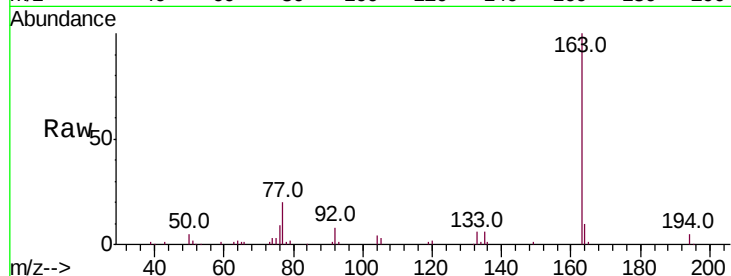




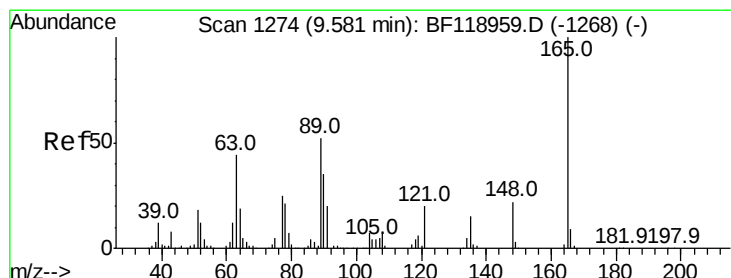
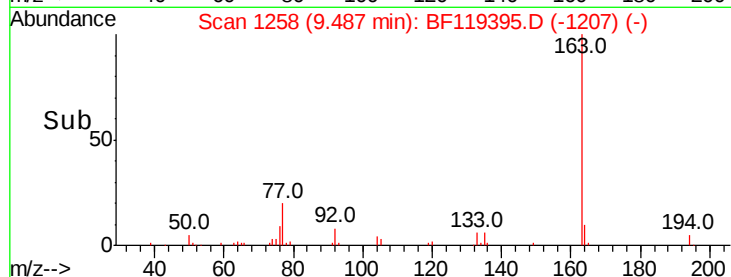
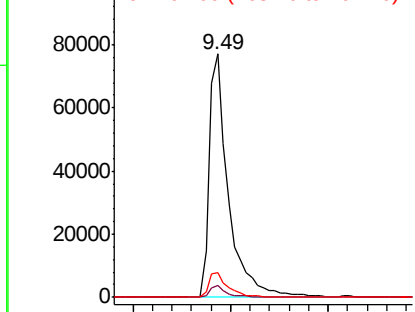
#50
Dimethylphthalate
Concen: 5.337 ng
RT: 9.49 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BF119395.D
Acq: 12 Mar 2020 22:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 105261
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.1 8.4 12.6

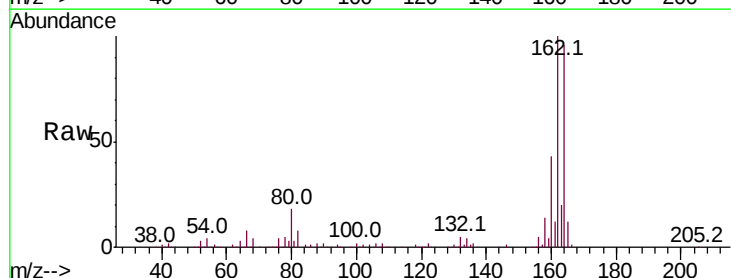


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

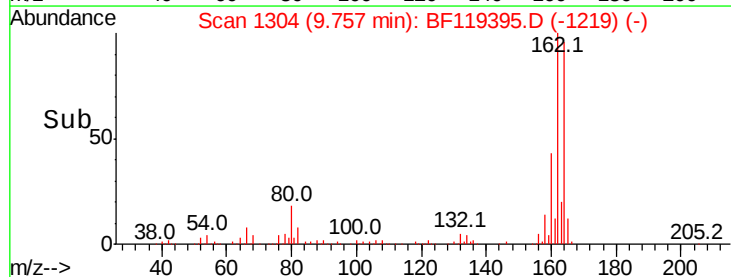
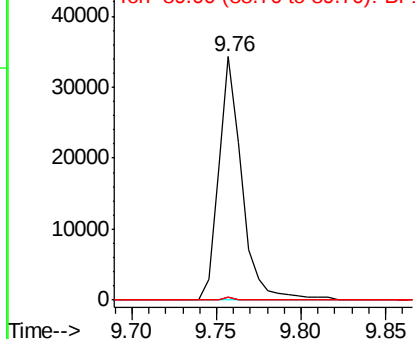


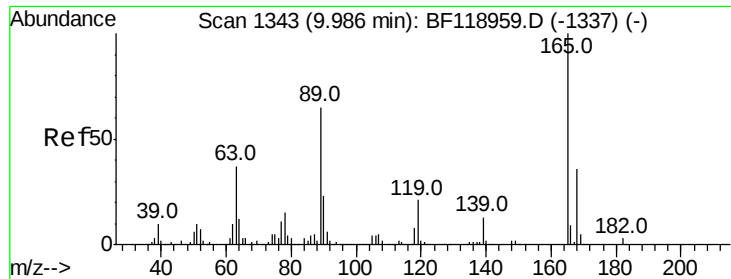
#51
2,6-Dinitrotoluene
Concen: 7.546 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF119395.D
Acq: 12 Mar 2020 22:28

Tgt Ion:165 Resp: 33070
Ion Ratio Lower Upper
165 100
63 1.1 34.3 51.5#
89 1.5 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

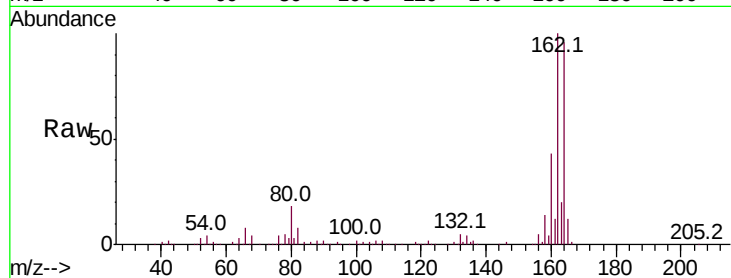




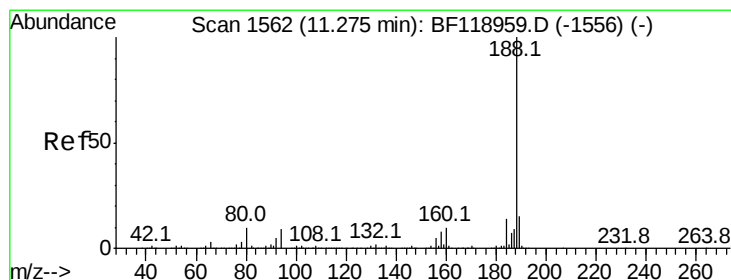
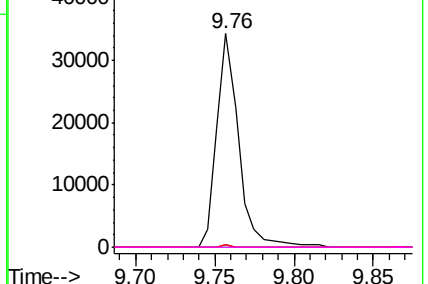
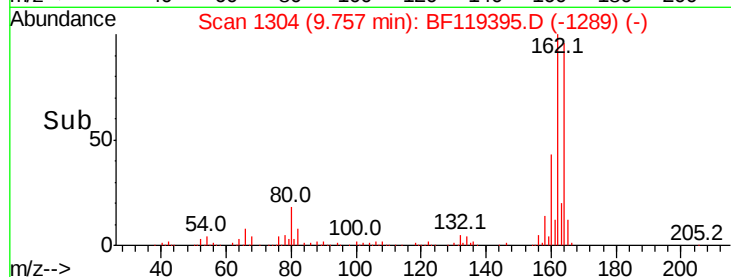
#57
 2,4-Dinitrotoluene
 Concen: 5.822 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF119395.D
 Acq: 12 Mar 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 33071
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.3 63.5#
 89 1.5 60.2 90.4#
 182 0.0 2.3 3.5#

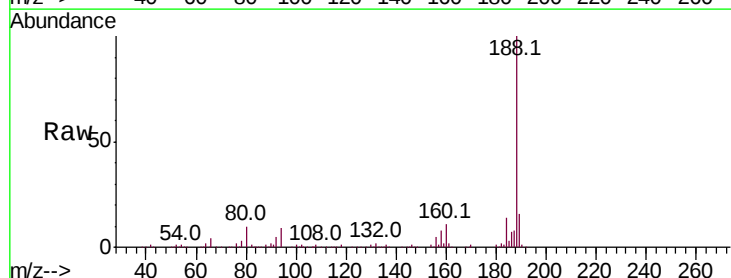


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

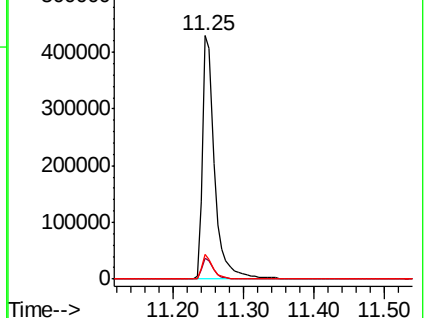
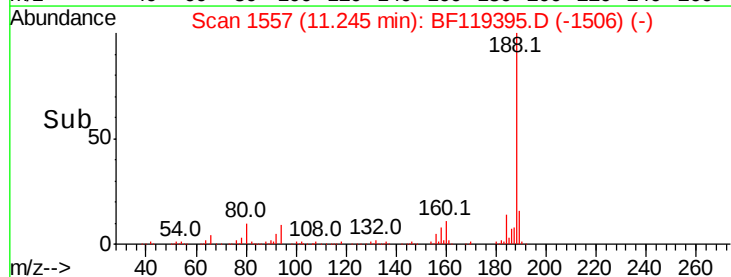


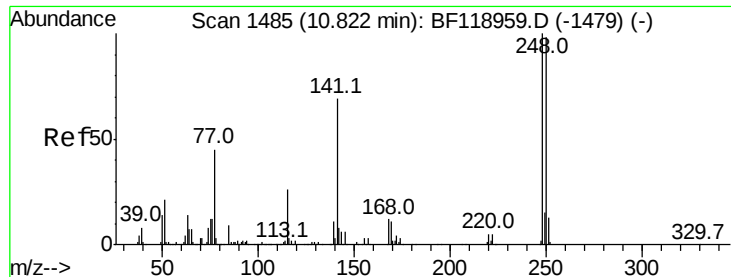
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF119395.D
 Acq: 12 Mar 2020 22:28

Tgt Ion:188 Resp: 516664
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.1 10.7
 80 10.4 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: 4.226 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.23 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

Instrument :

BNA_F

ClientSampleId :

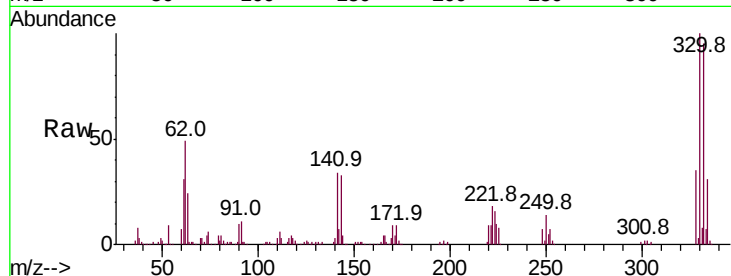
Tot Ion:248 Resp: 28537

Ion Ratio Lower Upper

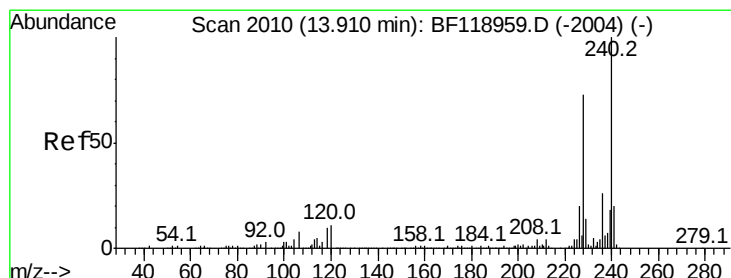
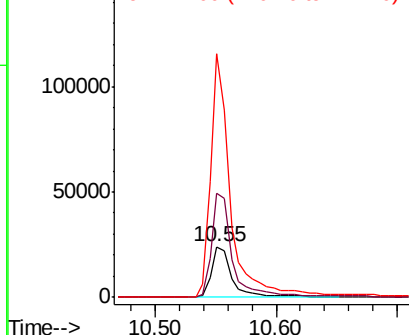
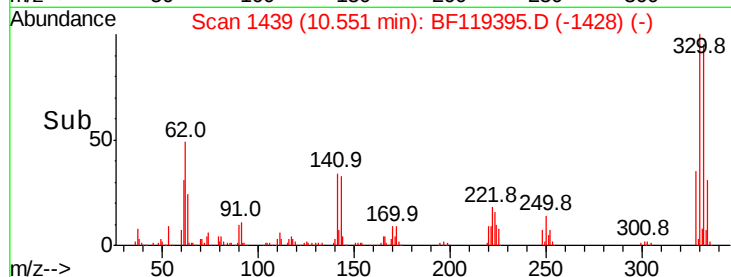
248 100

250 205.0 76.7 115.1#

141 482.1 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: BF119395.D

Acq: 12 Mar 2020 22:28

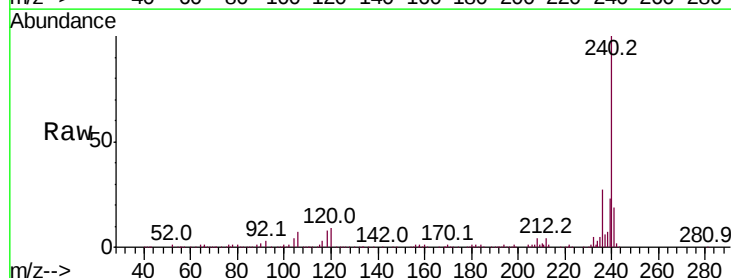
Tgt Ion:240 Resp: 415560

Ion Ratio Lower Upper

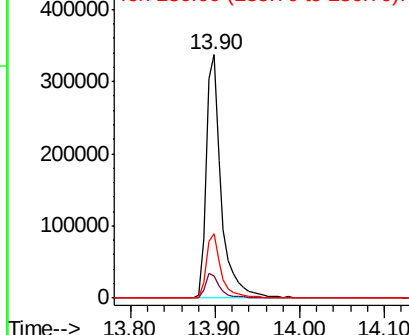
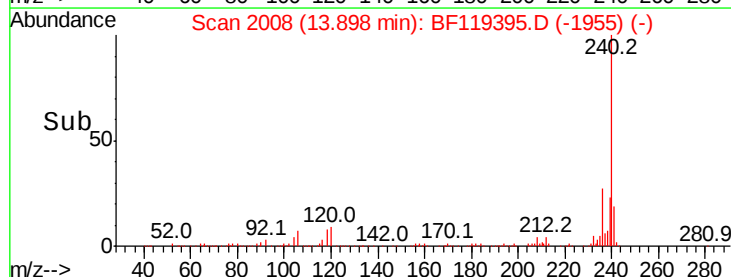
240 100

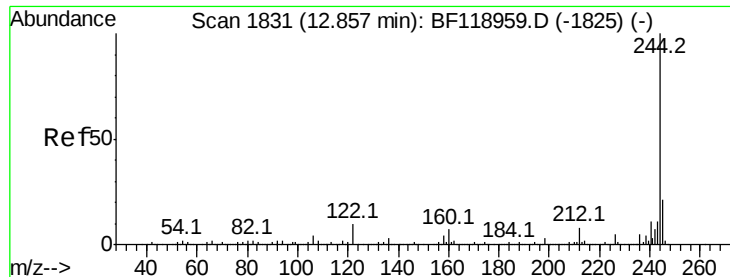
120 9.0 8.4 12.6

236 26.7 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: 85.233 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF119395.D

Acq: 12 Mar 2020 22:28

Instrument :

BNA_F

ClientSampled :

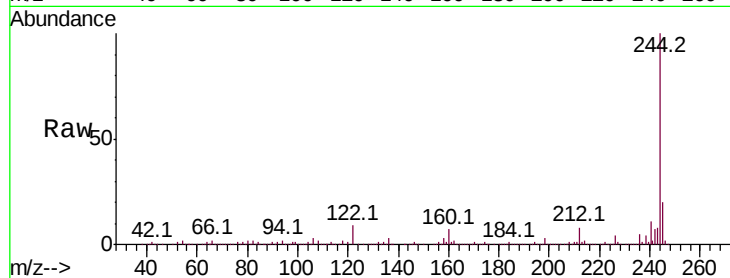
Tot Ion:244 Resp: 2057266

Ion Ratio Lower Upper

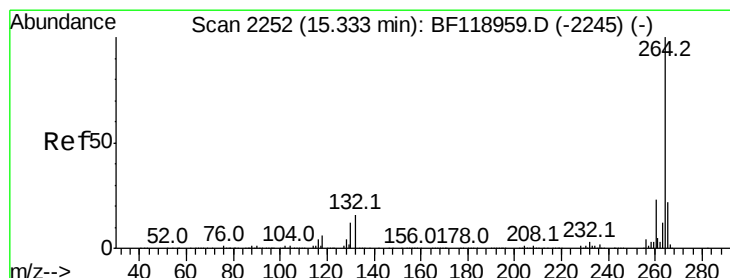
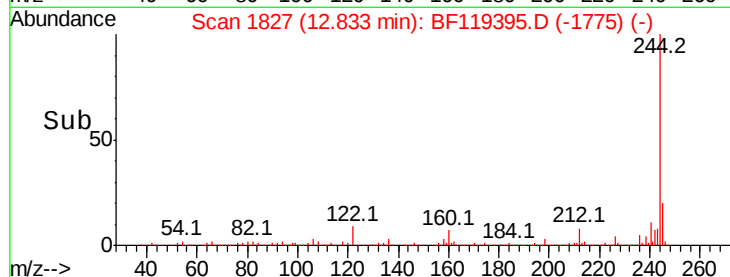
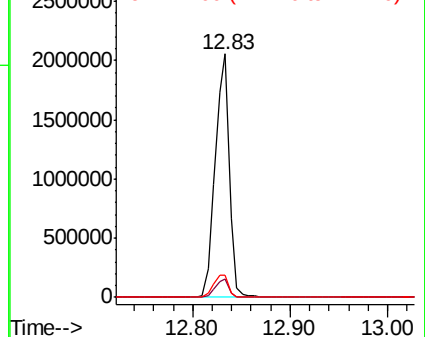
244 100

212 7.6 6.6 10.0

122 9.0 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: BF119395.D

Acq: 12 Mar 2020 22:28

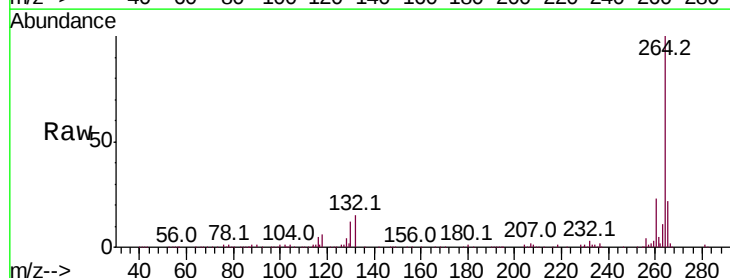
Tgt Ion:264 Resp: 414568

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

265 21.8 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

