

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119392.D
 Acq On : 12 Mar 2020 21:00
 Operator : CG/JU
 Sample : L1852-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 01:48:08 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	147097	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	572585	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	321248	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	623601	20.00	ng	0.00
76) Chrysene-d12	13.89	240	505480	20.00	ng	0.00
87) Perylene-d12	15.33	264	516944	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1019089	115.78	ng	0.02
7) Phenol-d6	6.38	99	1131277	105.68	ng	0.00
23) Nitrobenzene-d5	7.29	82	921877	85.01	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	535564	127.44	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1782794	81.75	ng	0.00
79) Terphenyl-d14	12.83	244	2413224	82.19	ng	0.00

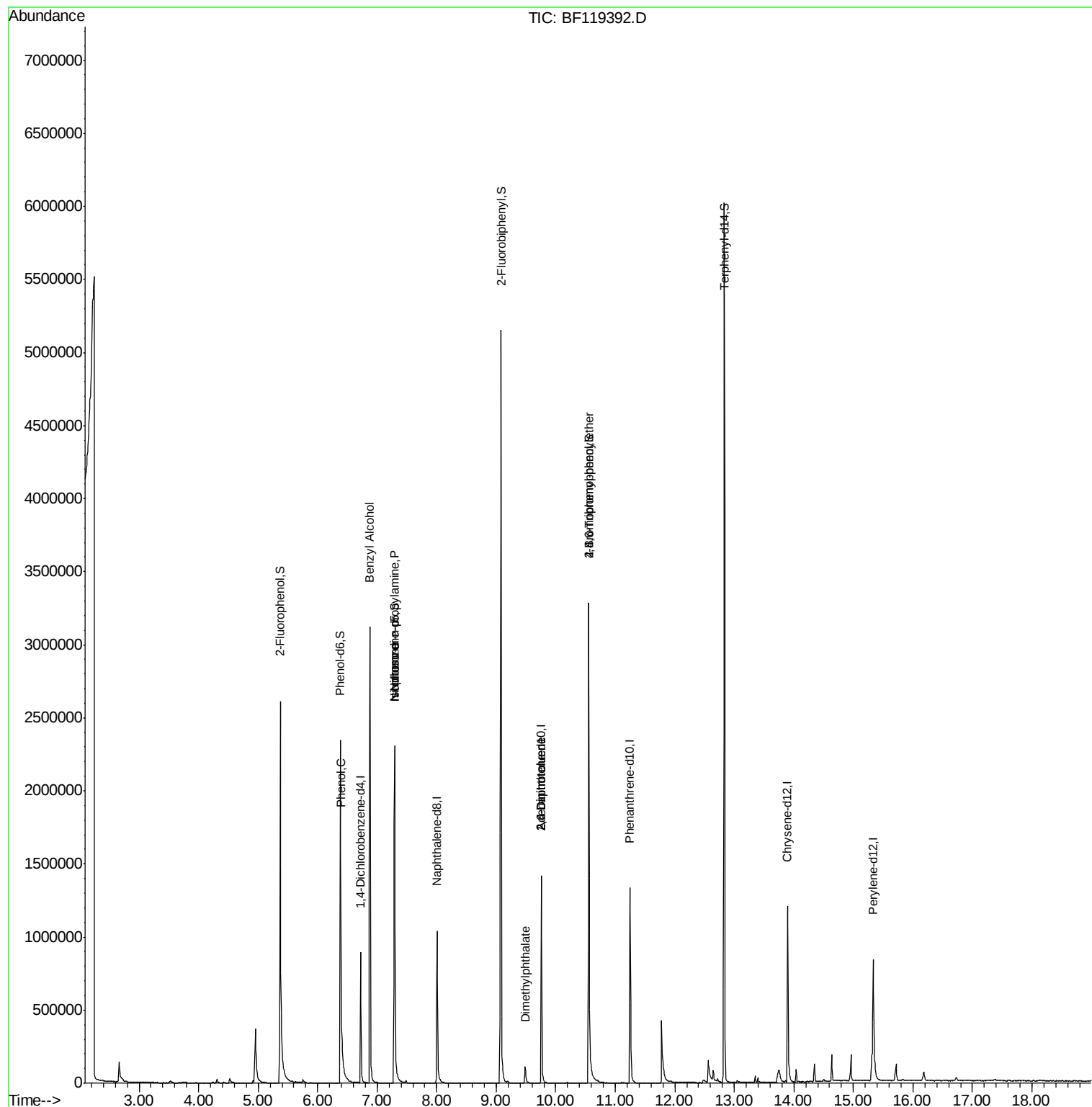
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	23920	2.067	ng	# 20
15) Benzyl Alcohol	6.87	79	16119	2.083	ng	# 52
19) n-Nitroso-di-n-propylamine	7.29	70	127200	20.392	ng	# 76
25) Isophorone	7.29	82	921877	48.949	ng	# 63
50) Dimethylphthalate	9.49	163	68747	2.799	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	40636	7.446	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	40636	5.744	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	35344	4.336	ng	# 1

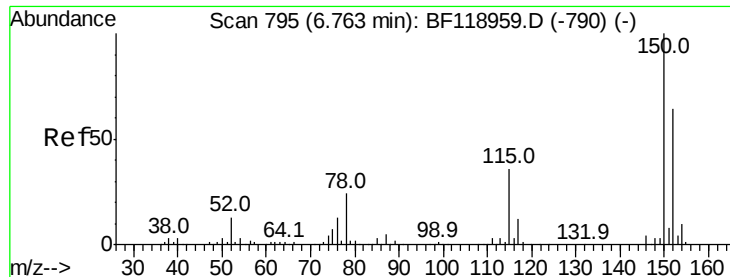
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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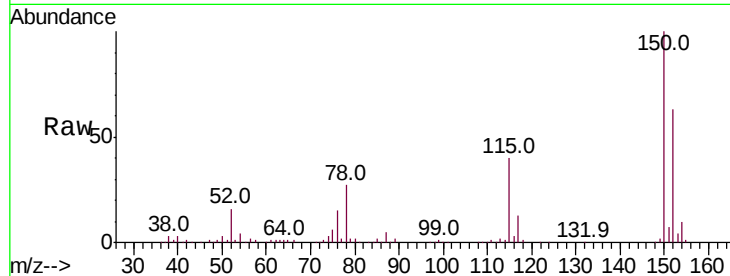


#1

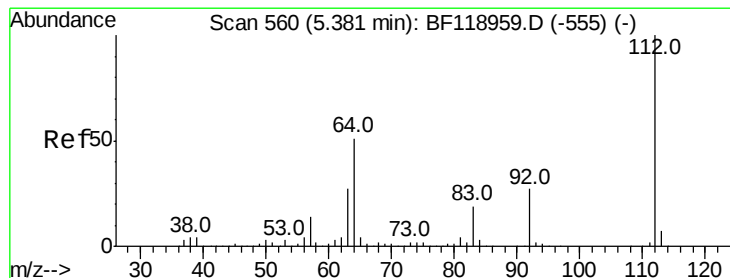
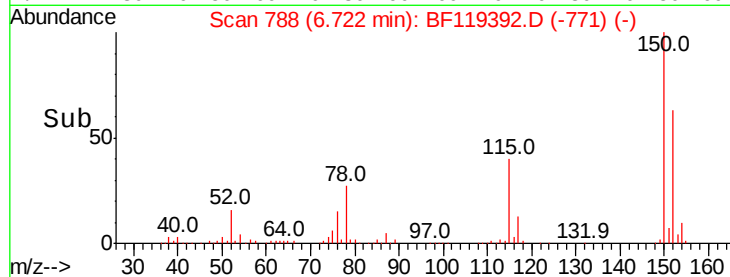
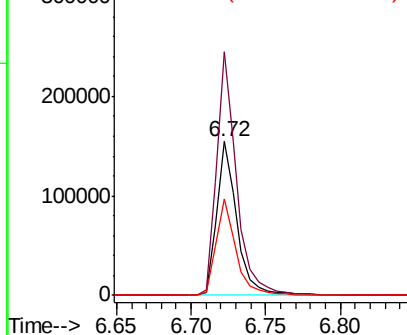
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119392.D
Acq: 12 Mar 2020 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147097
Ion Ratio Lower Upper
152 100
150 158.2 123.0 184.6
115 62.5 49.5 74.3



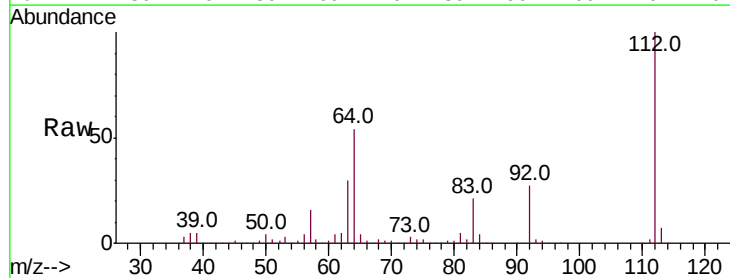
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



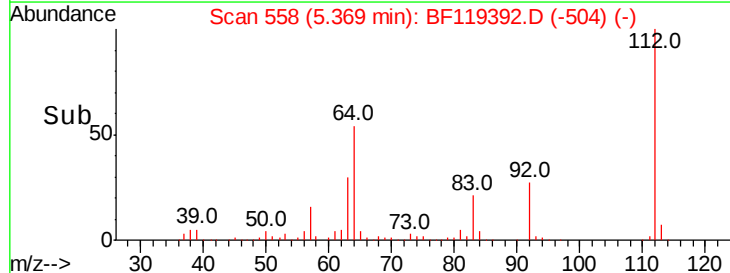
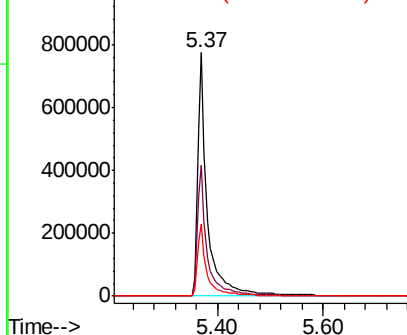
#5

2-Fluorophenol
Concen: 115.779 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF119392.D
Acq: 12 Mar 2020 21:00

Tgt Ion:112 Resp: 1019089
Ion Ratio Lower Upper
112 100
64 53.9 45.0 67.4
63 29.6 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: 105.679 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

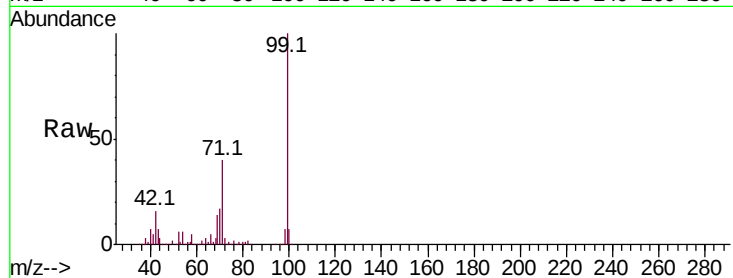
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1131277

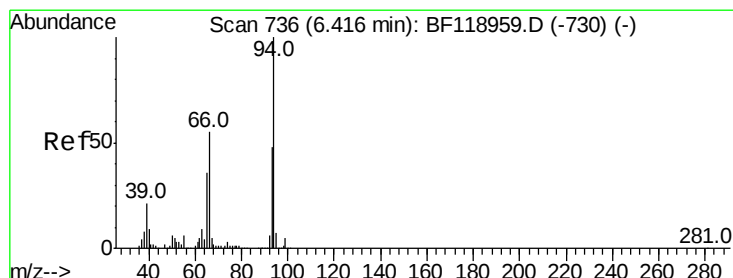
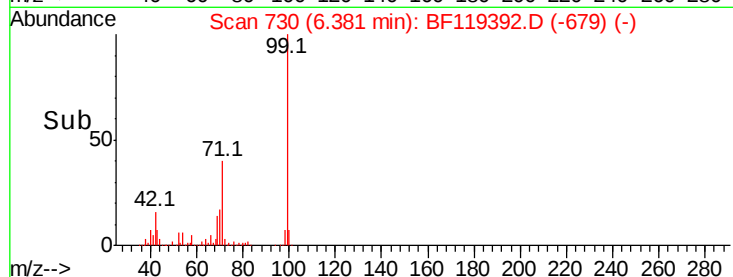
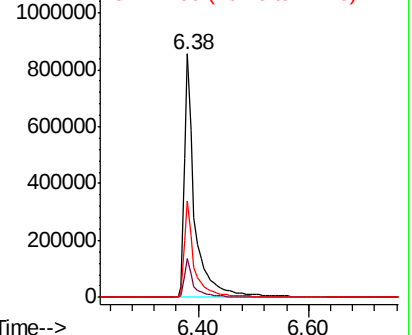
Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.6	18.8
71	39.7	31.0	46.4



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: 2.067 ng

RT: 6.39 min Scan# 732

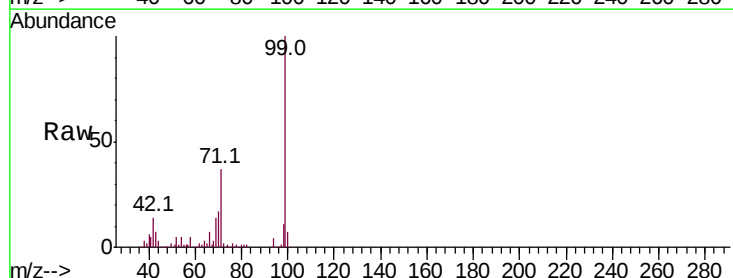
Delta R.T. 0.00 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

Tgt Ion: 94 Resp: 23920

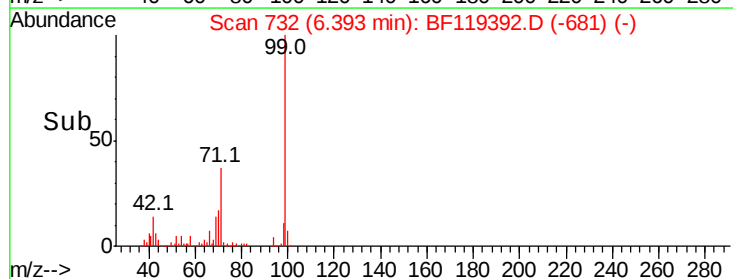
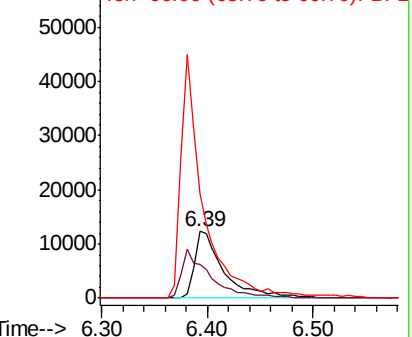
Ion	Ratio	Lower	Upper
94	100		
65	50.5	19.2	59.2
66	155.9	44.4	84.4#

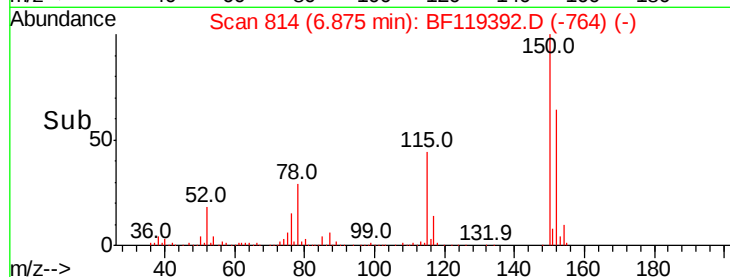
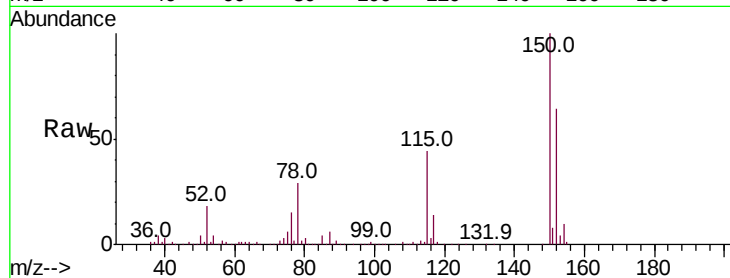
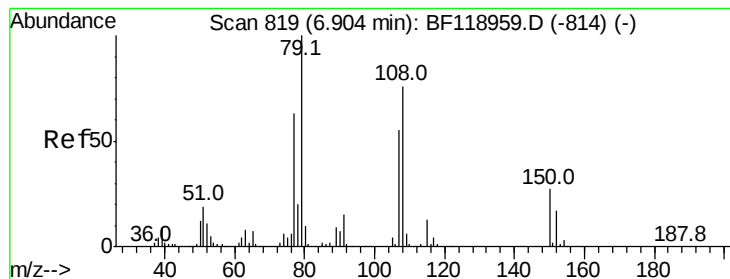


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.083 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

Instrument :

BNA_F

ClientSampled :

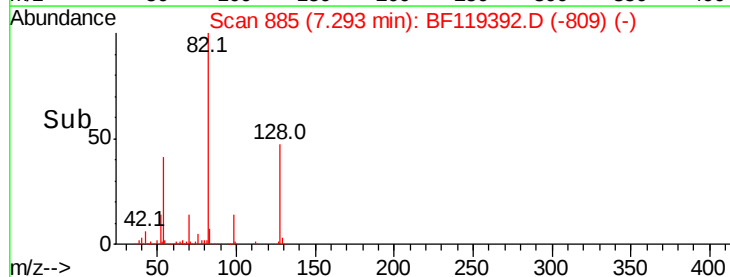
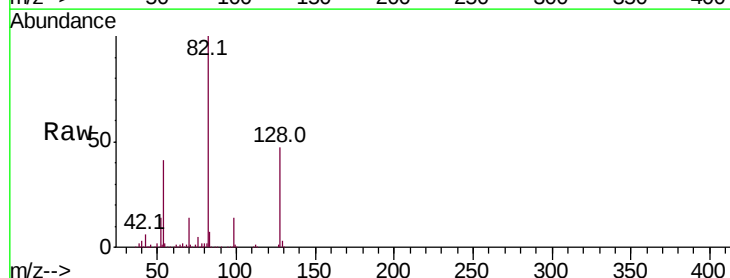
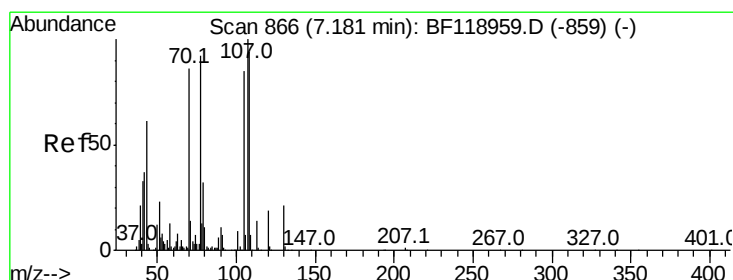
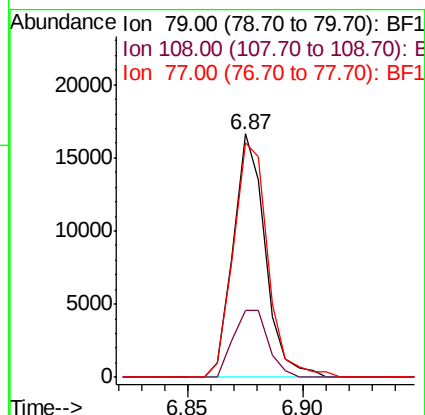
Tot Ion: 79 Resp: 16119

Ion Ratio Lower Upper

79 100

108 27.4 58.2 87.2#

77 96.6 51.2 76.8#



#19

n-Nitroso-di-n-propylamine

Concen: 20.392 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

Tgt Ion: 70 Resp: 127200

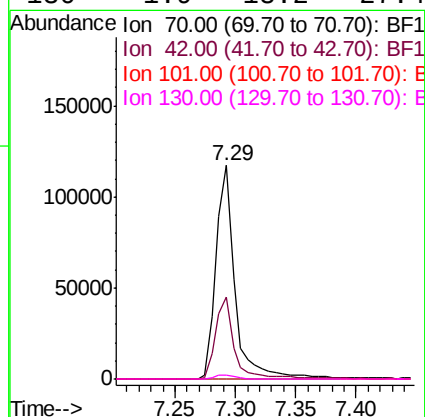
Ion Ratio Lower Upper

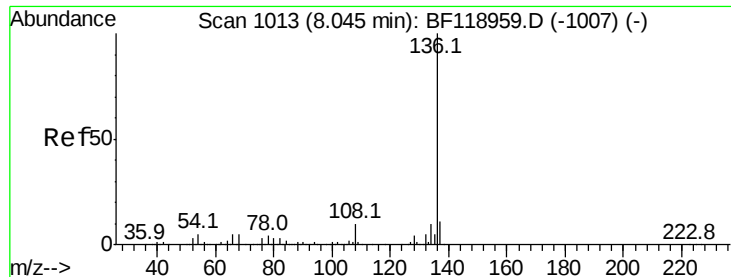
70 100

42 38.1 38.0 57.0

101 0.0 8.2 12.4#

130 1.9 18.2 27.4#

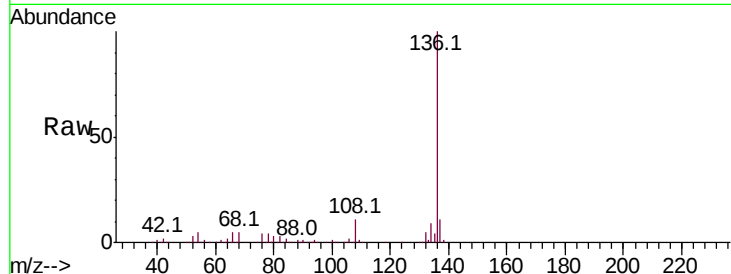




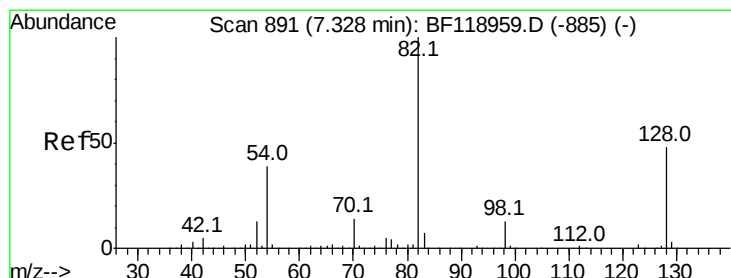
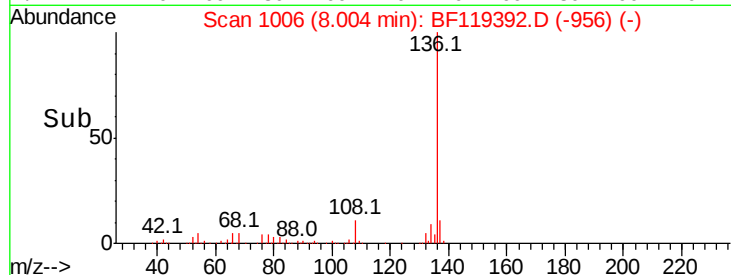
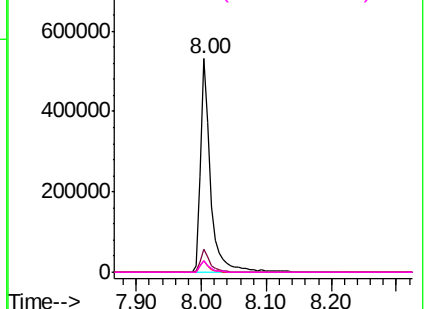
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119392.D
Acq: 12 Mar 2020 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 572585
Ion Ratio	Lower Upper
136 100	
137 10.8	8.8 13.2
54 5.1	3.8 5.6
68 5.4	3.9 5.9

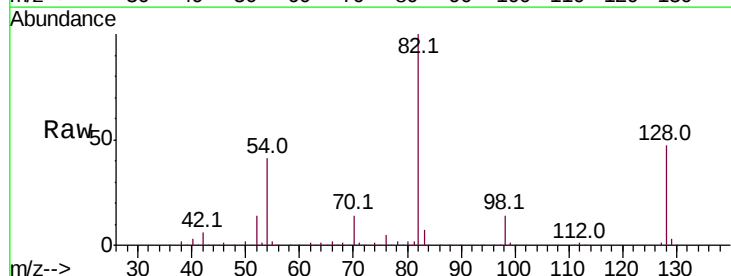


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

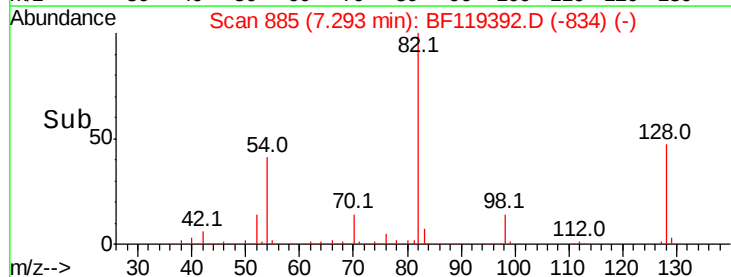
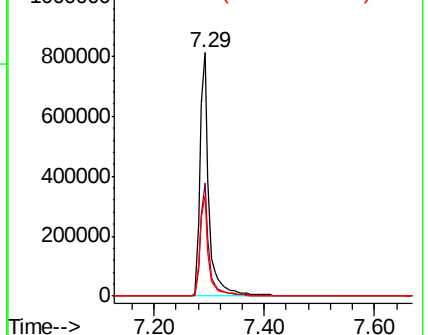


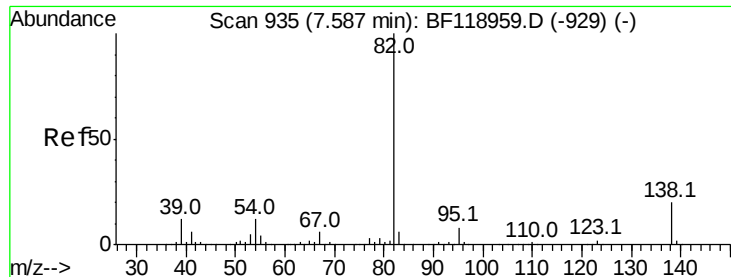
#23
Nitrobenzene-d5
Concen: 85.009 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119392.D
Acq: 12 Mar 2020 21:00

Tgt Ion: 82	Resp: 921877
Ion Ratio	Lower Upper
82 100	
128 46.6	37.9 56.9
54 41.2	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: 48.949 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

Instrument :

BNA_F

ClientSampleId :

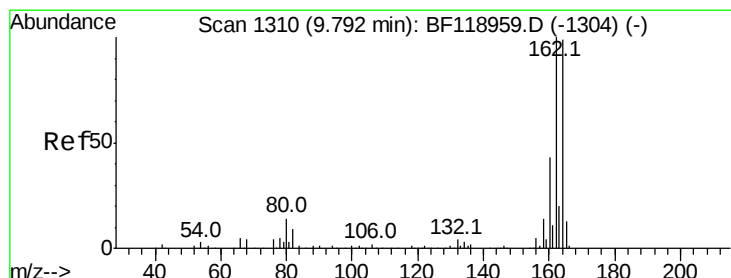
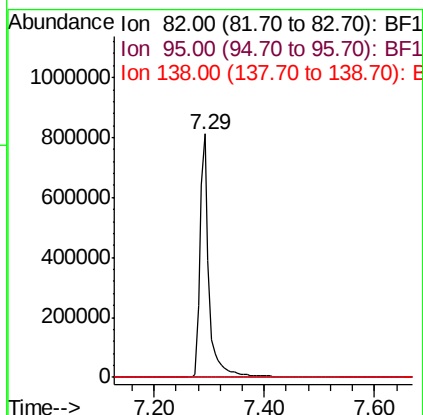
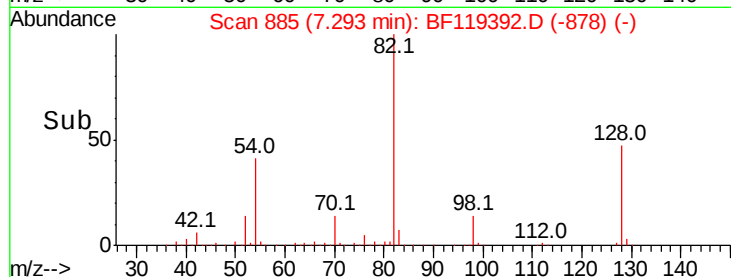
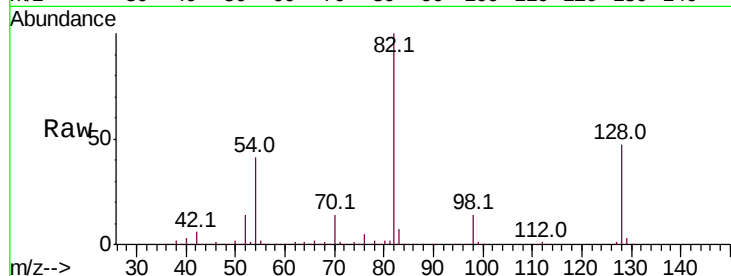
Tot Ion: 82 Resp: 921877

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: BF119392.D

Acq: 12 Mar 2020 21:00

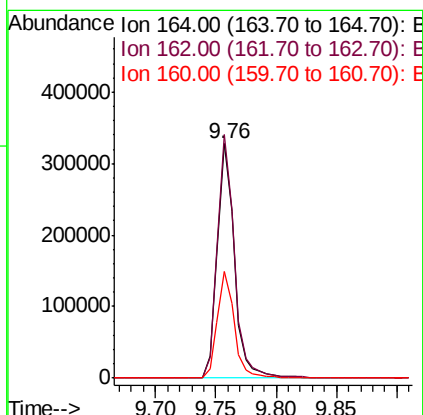
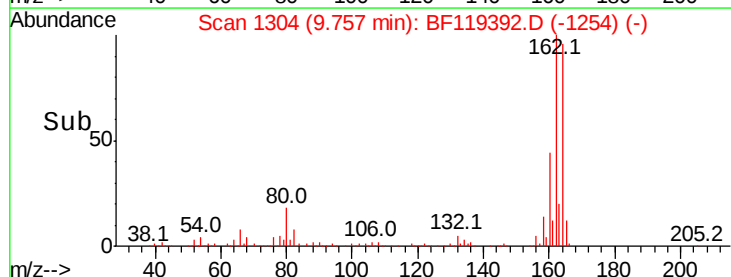
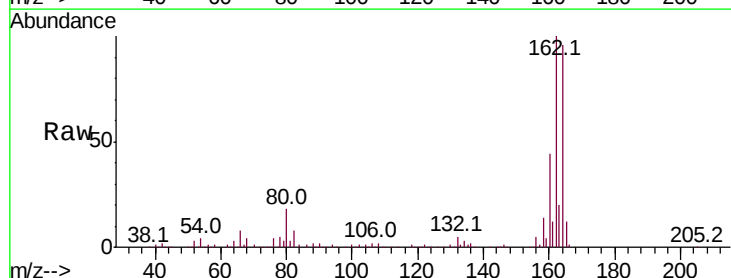
Tgt Ion:164 Resp: 321248

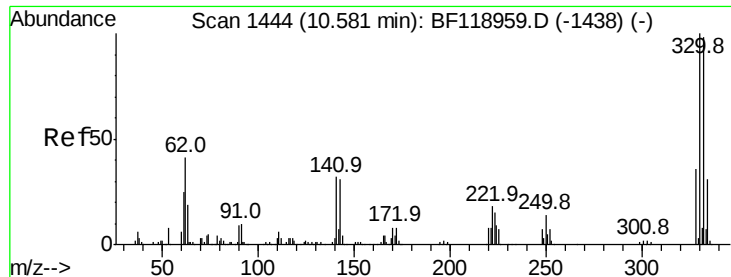
Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.8

160 45.6 36.0 54.0

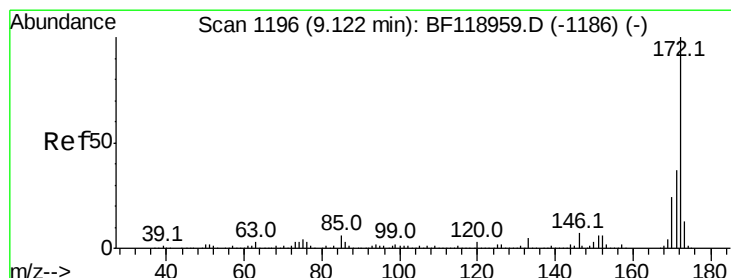
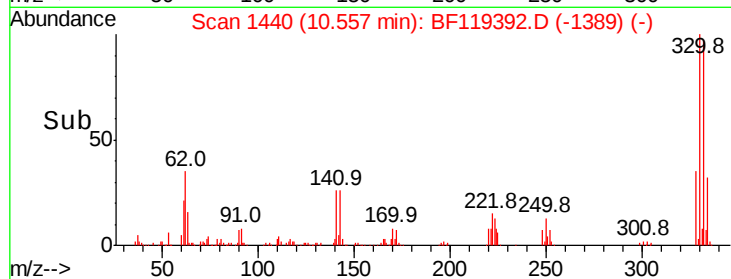
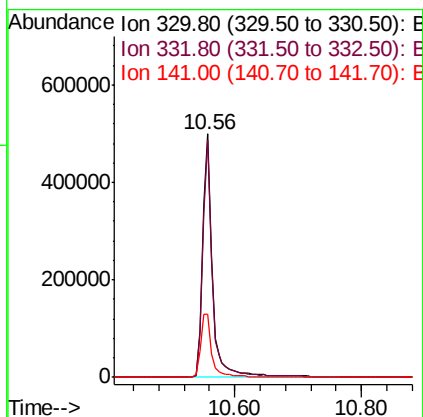
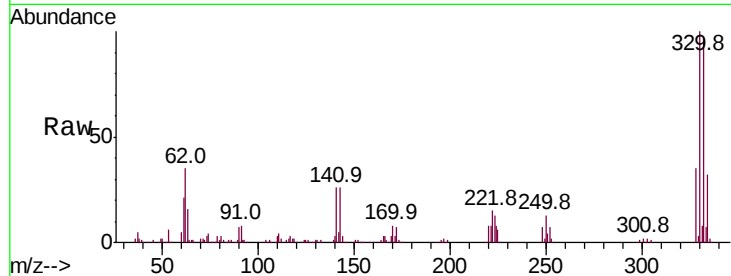




#42
 2,4,6-Tribromophenol
 Concen: 127.440 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF119392.D
 Acq: 12 Mar 2020 21:00

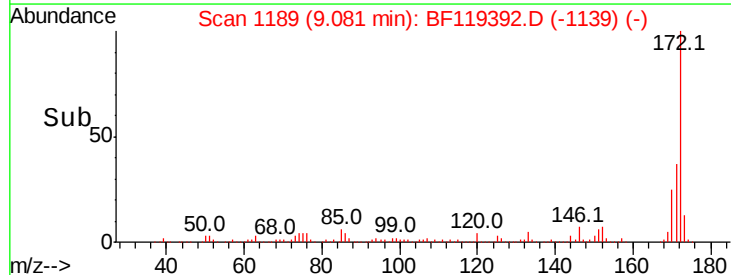
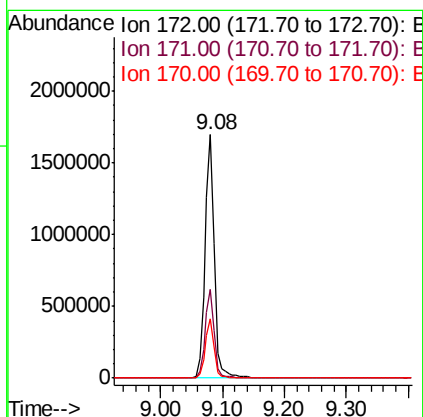
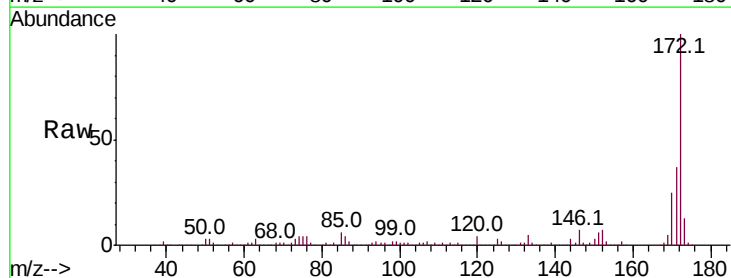
Instrument :
 BNA_F
 ClientSampleId :

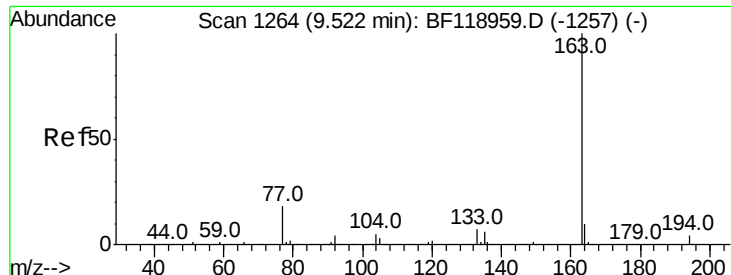
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.0	114.0
141	29.7	22.9	34.3



#45
 2-Fluorobiphenyl
 Concen: 81.755 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119392.D
 Acq: 12 Mar 2020 21:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	45.8
170	24.5	20.2	30.2





#50

Dimethylphthalate

Concen: 2.799 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

Instrument :

BNA_F

ClientSampleId :

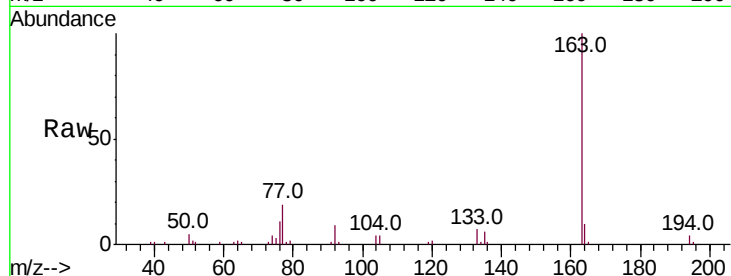
Tot Ion:163 Resp: 68747

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

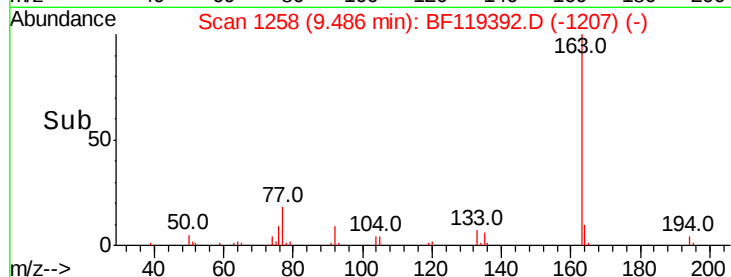
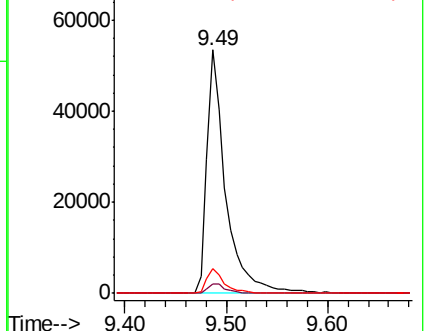
164 10.2 8.4 12.6



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: 7.446 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

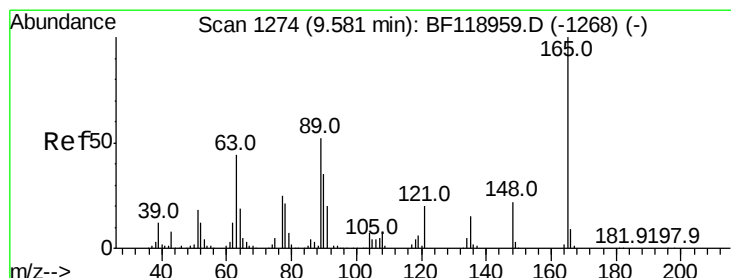
Tgt Ion:165 Resp: 40636

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

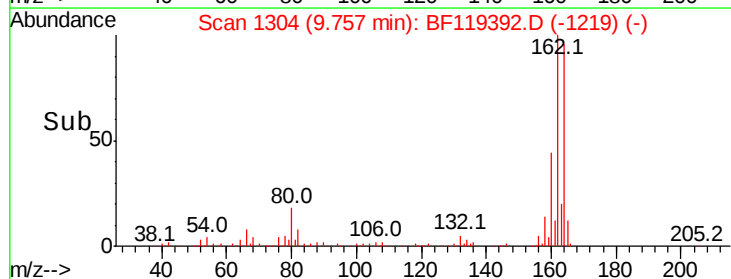
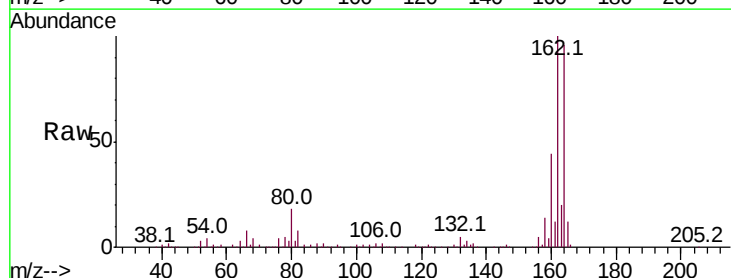
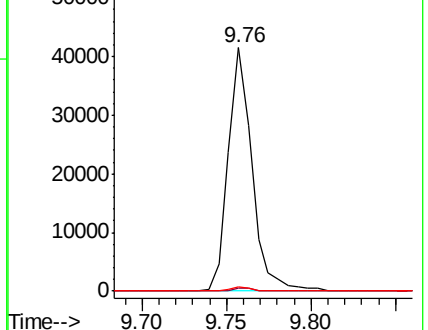
89 1.6 38.3 57.5#

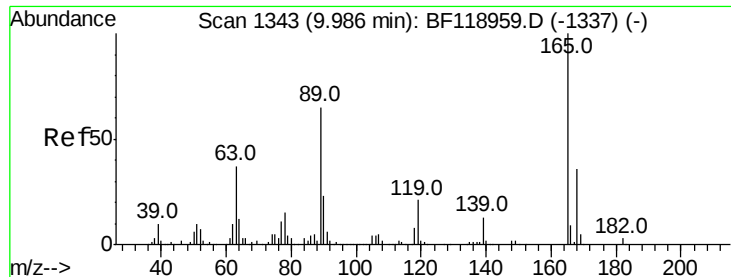


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

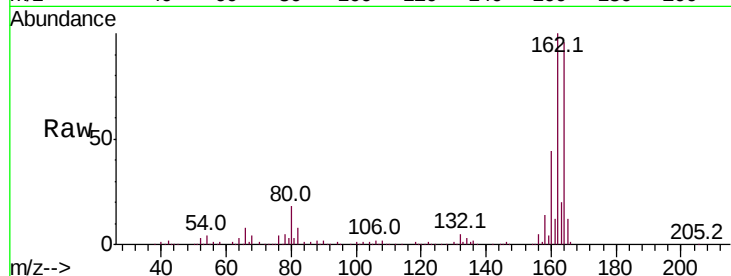




#57
2,4-Dinitrotoluene
Concen: 5.744 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF119392.D
Acq: 12 Mar 2020 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.3	63.5#
89	1.6	60.2	90.4#
182	0.0	2.3	3.5#



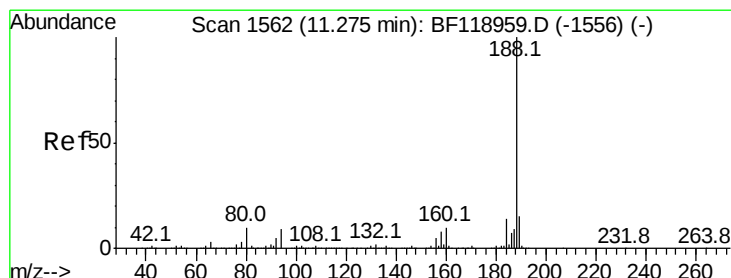
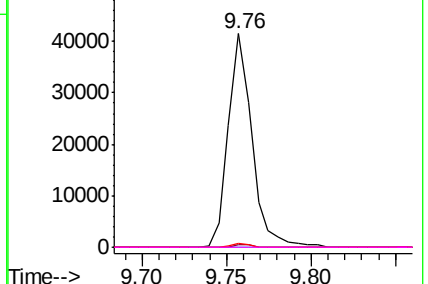
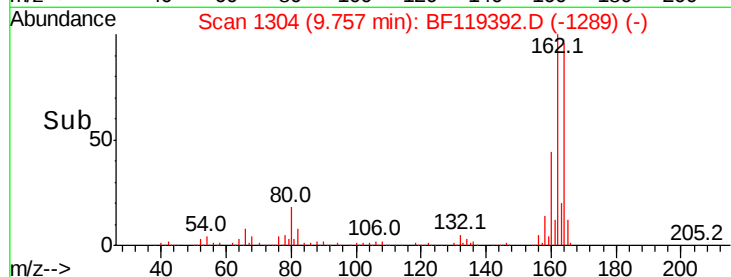
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

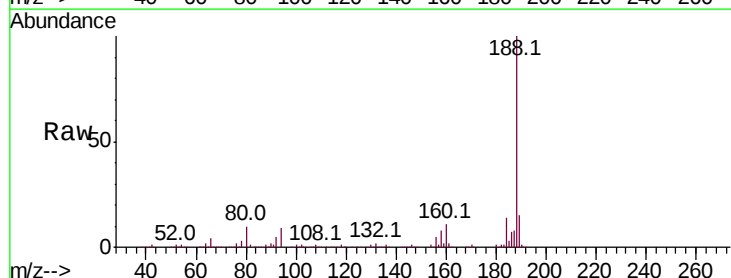
Ion 89.00 (88.70 to 89.70): BF1

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: BF119392.D
Acq: 12 Mar 2020 21:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.2	7.8	11.8

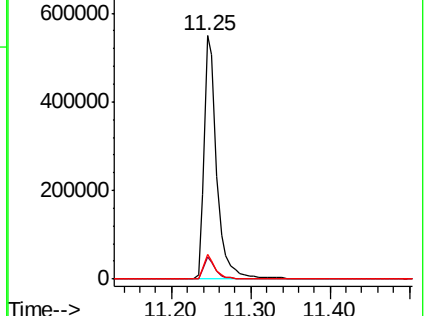
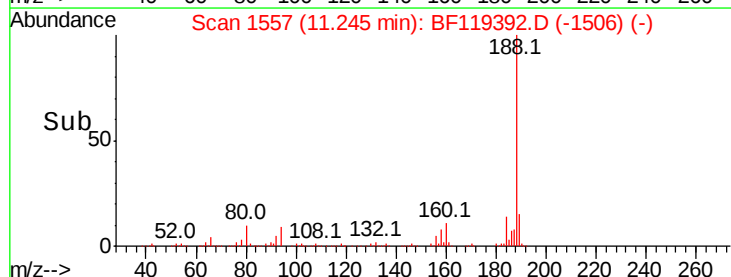


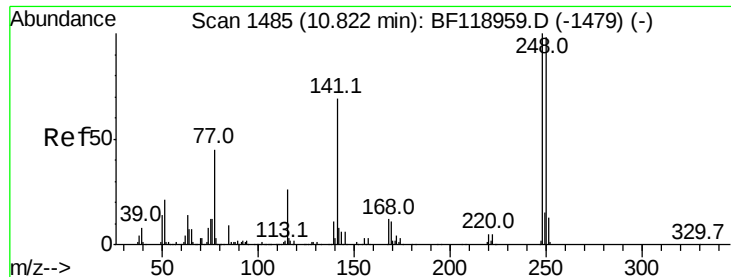
Abundance

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

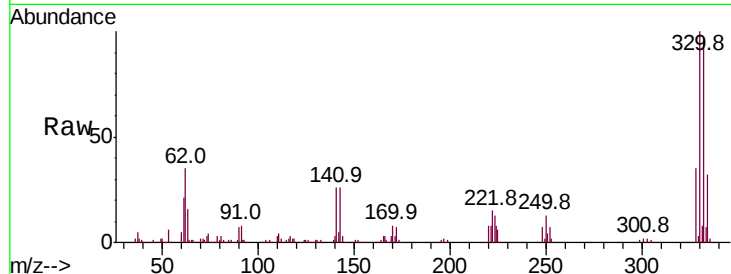




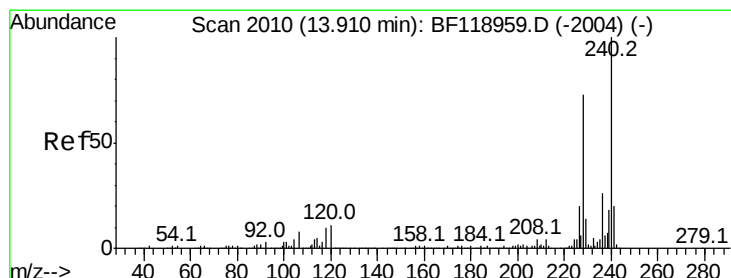
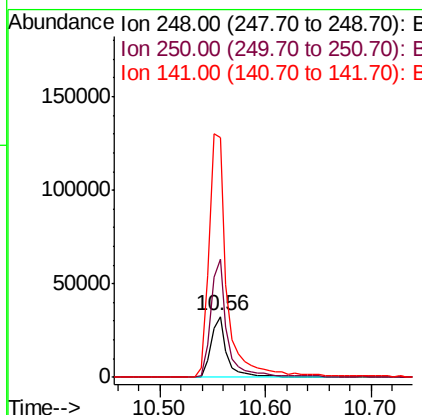
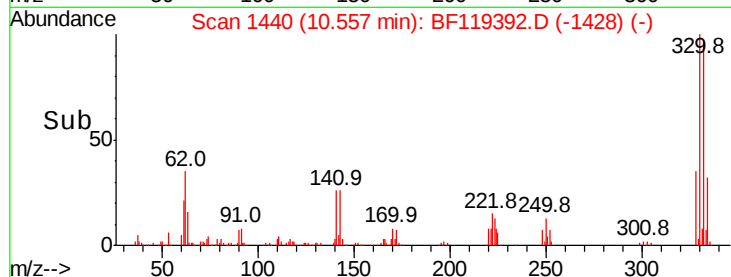
#67
 4-Bromophenyl-phenylether
 Concen: 4.336 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.23 min
 Lab File: BF119392.D
 Acq: 12 Mar 2020 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 35344
 Ion Ratio Lower Upper
 248 100
 250 193.7 76.7 115.1#
 141 392.2 60.7 91.1#

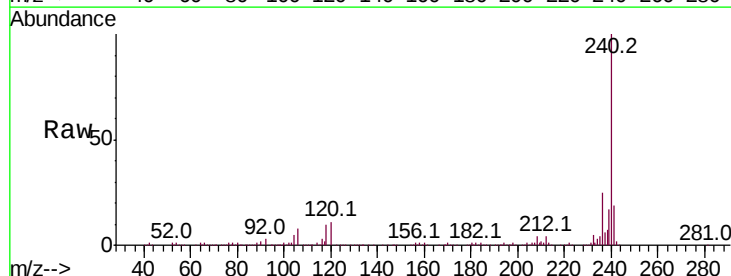


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

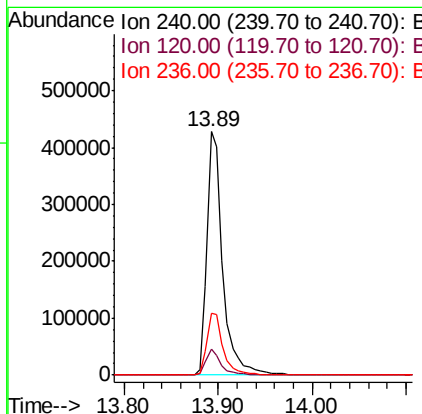
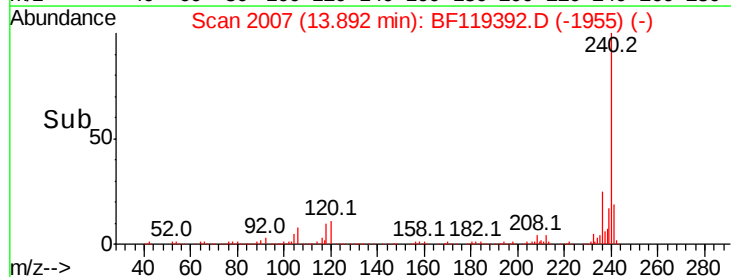


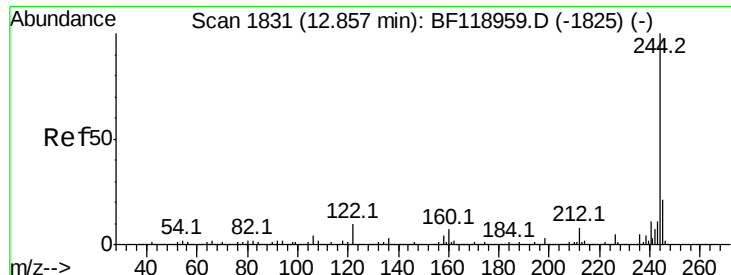
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: BF119392.D
 Acq: 12 Mar 2020 21:00

Tgt Ion:240 Resp: 505480
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.4 12.6
 236 25.3 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: 82.195 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF119392.D

Acq: 12 Mar 2020 21:00

Instrument :

BNA_F

ClientSampleId :

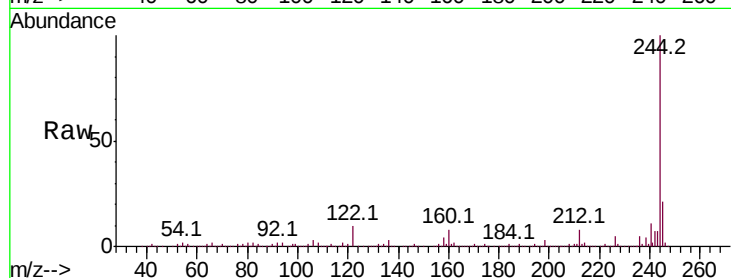
Tot Ion:244 Resp: 2413224

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

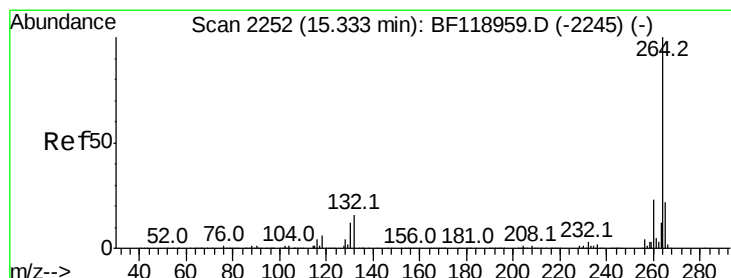
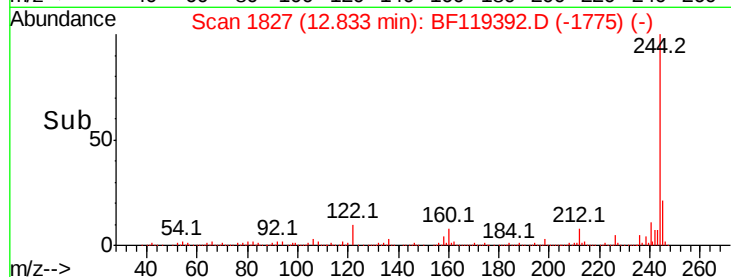
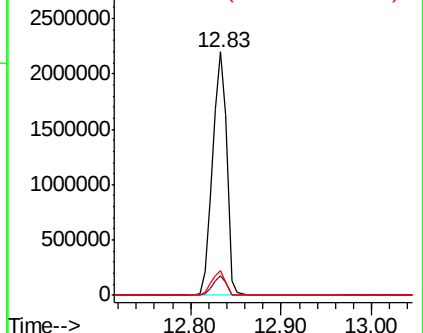
122 9.9 8.2 12.2



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: BF119392.D

Acq: 12 Mar 2020 21:00

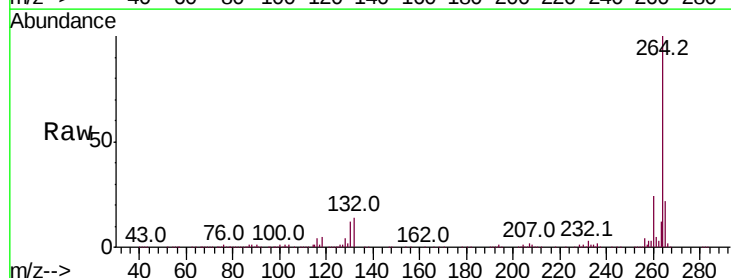
Tgt Ion:264 Resp: 516944

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.7 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

