

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119404.D
 Acq On : 13 Mar 2020 2:49
 Operator : CG/JU
 Sample : L1871-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 04:27:11 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	127032	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	494452	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	276831	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	555810	20.00	ng	0.00
76) Chrysene-d12	13.90	240	466475	20.00	ng	0.01
87) Perylene-d12	15.33	264	436662	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	954581	125.58	ng	0.02
7) Phenol-d6	6.38	99	1061342	114.81	ng	0.00
23) Nitrobenzene-d5	7.29	82	838381	89.53	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	493930	136.39	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1633950	86.95	ng	0.00
79) Terphenyl-d14	12.83	244	2311438	85.31	ng	0.00

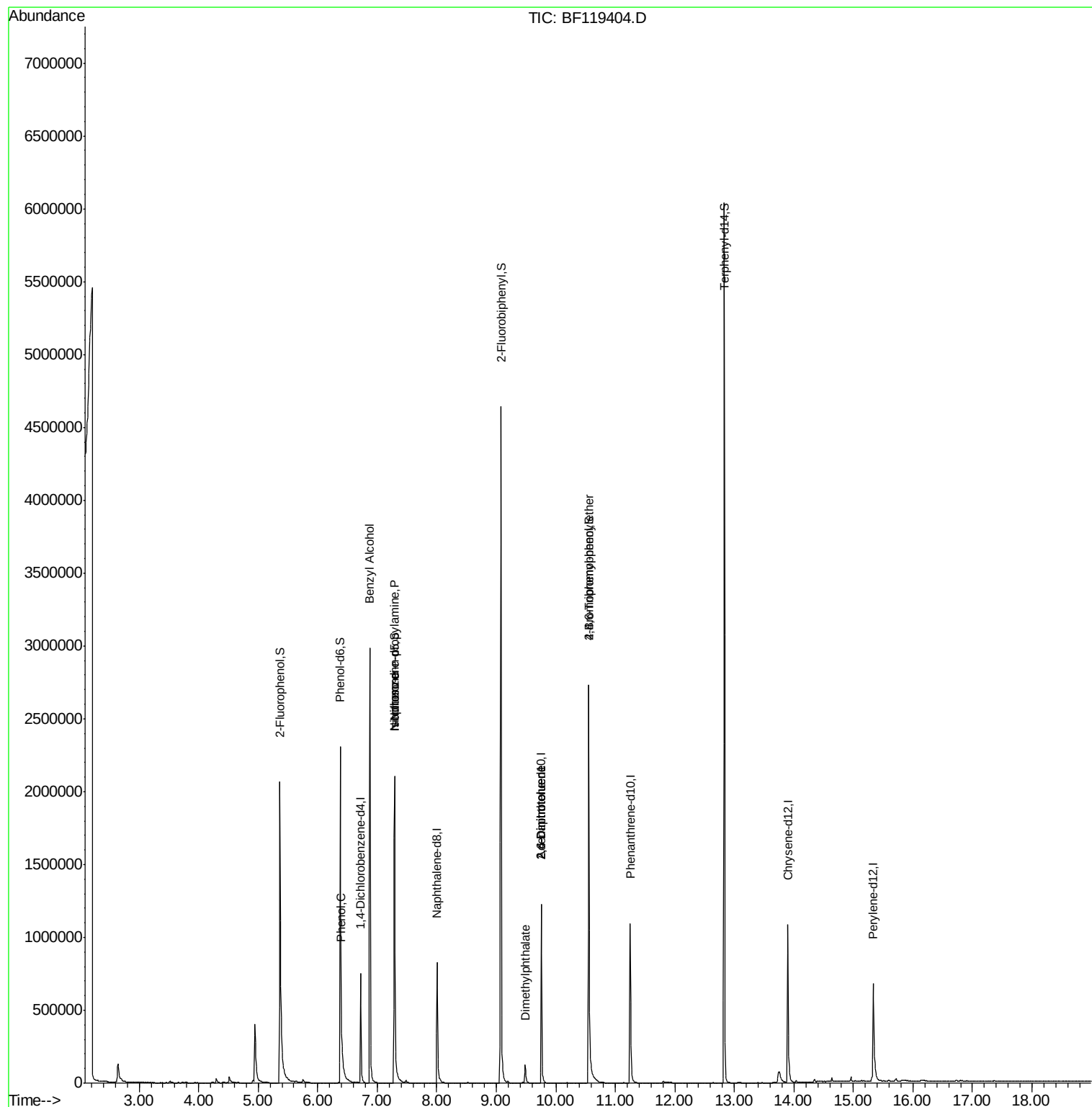
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	21160	2.117	ng	# 62
15) Benzyl Alcohol	6.87	79	14850	2.223	ng	# 55
19) n-Nitroso-di-n-propylamine	7.29	70	117578	21.827	ng	# 75
25) Isophorone	7.29	82	838381	51.550	ng	# 63
50) Dimethylphthalate	9.49	163	79706	3.765	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	35495	7.547	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	35495	5.823	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	32168	4.428	ng	# 1

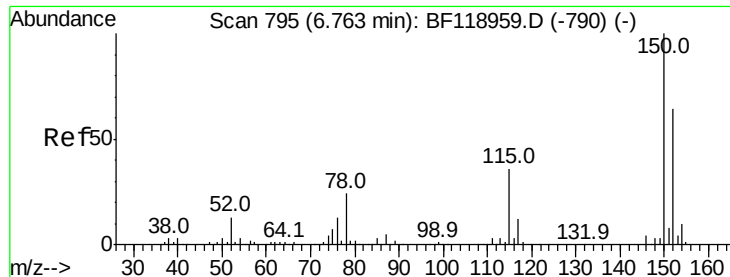
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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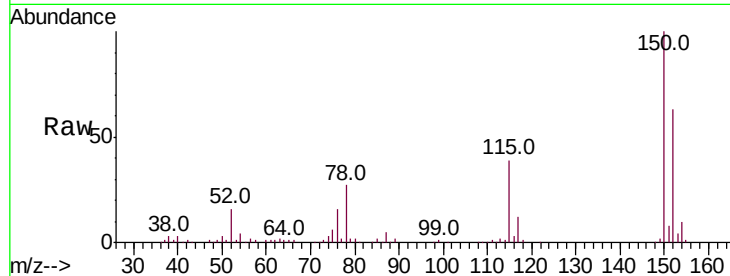


#1

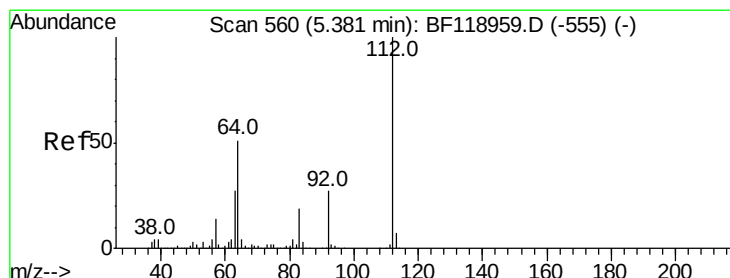
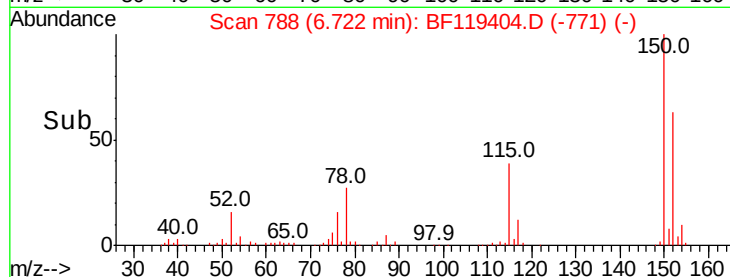
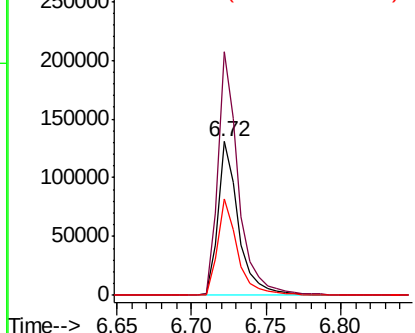
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119404.D
Acq: 13 Mar 2020 2:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.0	184.6
115	62.6	49.5	74.3



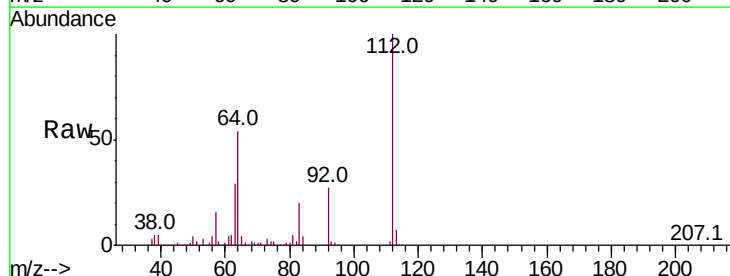
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



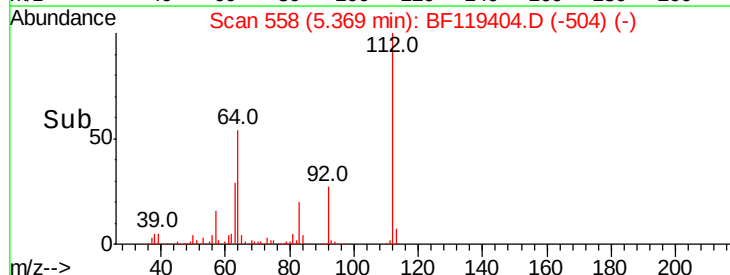
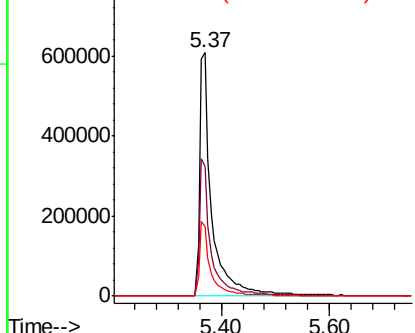
#5

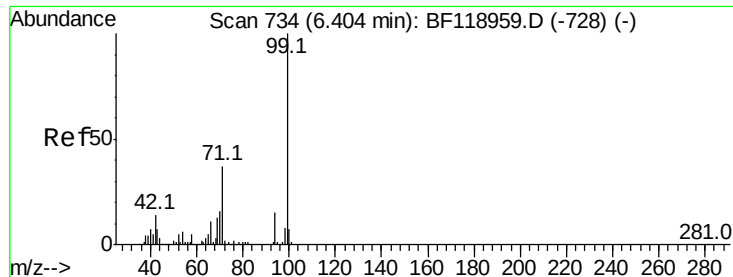
2-Fluorophenol
Concen: 125.581 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF119404.D
Acq: 13 Mar 2020 2:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	45.0	67.4
63	28.7	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: 114.806 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

Instrument :

BNA_F

ClientSampleId :

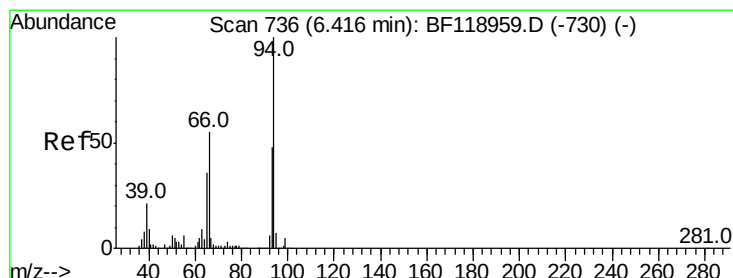
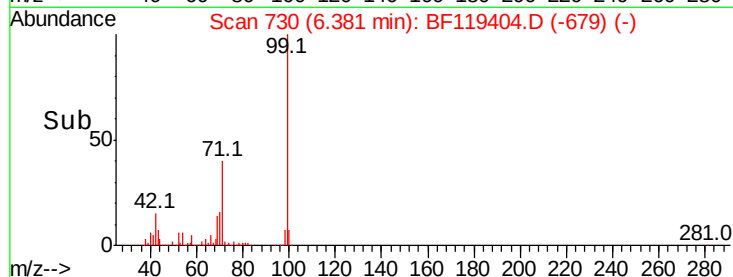
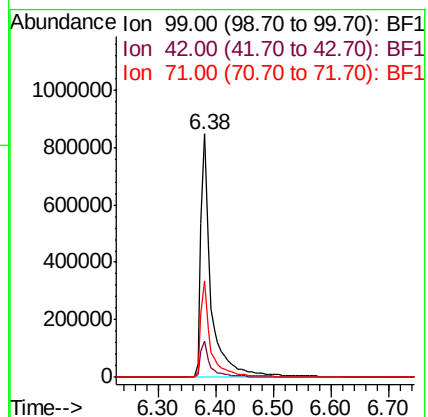
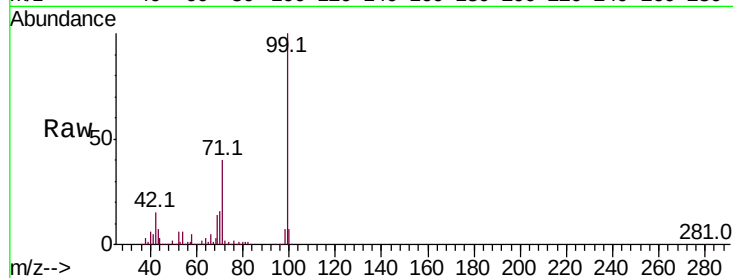
Tot Ion: 99 Resp: 1061342

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

71 39.7 31.0 46.4



#10

Phenol

Concen: 2.117 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

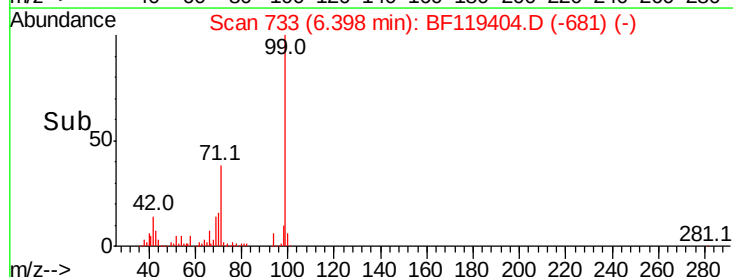
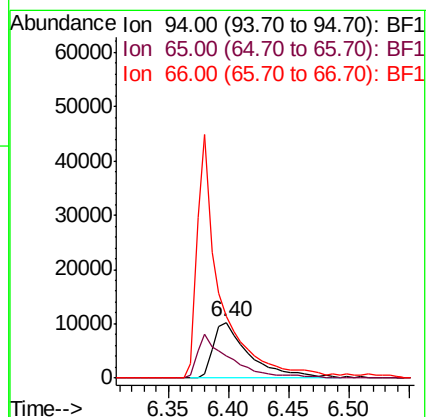
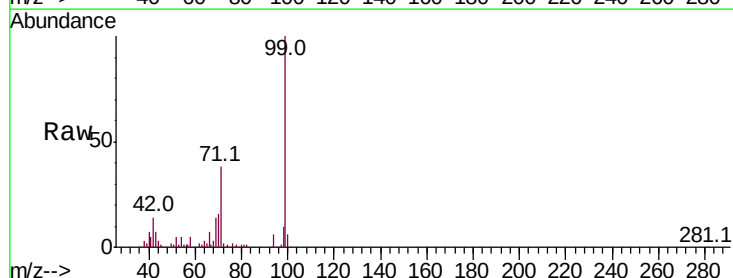
Tgt Ion: 94 Resp: 21160

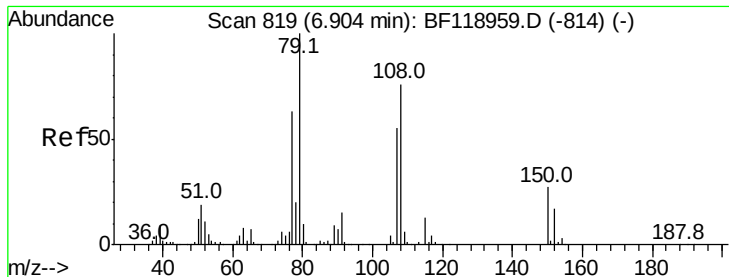
Ion Ratio Lower Upper

94 100

65 39.0 19.2 59.2

66 111.8 44.4 84.4#





#15

Benzyl Alcohol

Concen: 2.223 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

Instrument :

BNA_F

ClientSampled :

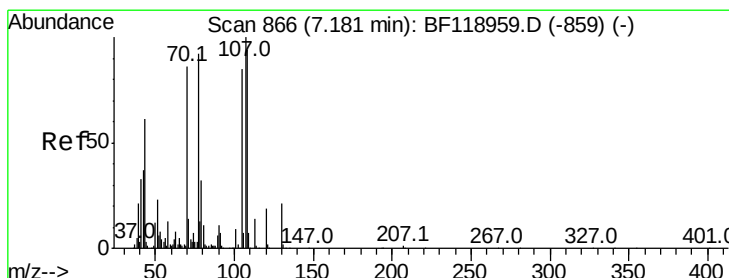
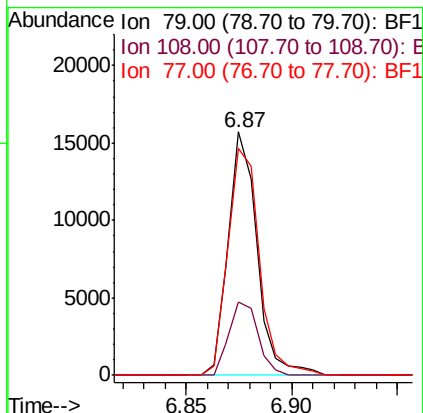
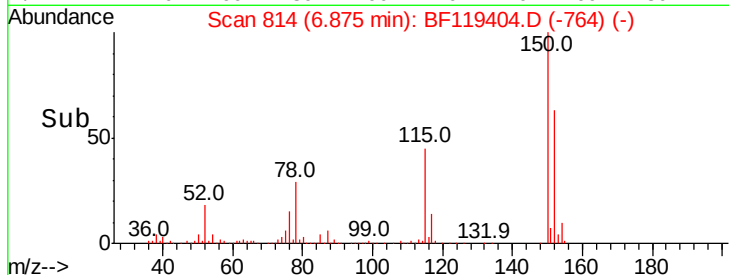
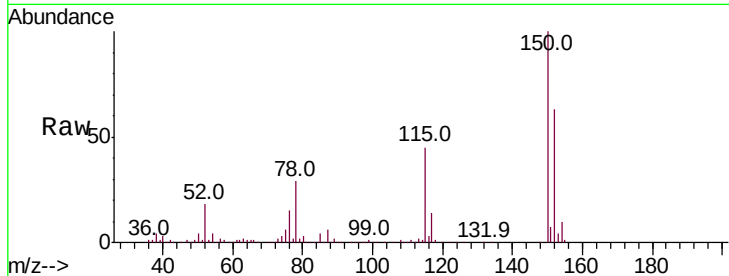
Tot Ion: 79 Resp: 14850

Ion Ratio Lower Upper

79 100

108 29.9 58.2 87.2#

77 93.4 51.2 76.8#



#19

n-Nitroso-di-n-propylamine

Concen: 21.827 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

Tgt Ion: 70 Resp: 117578

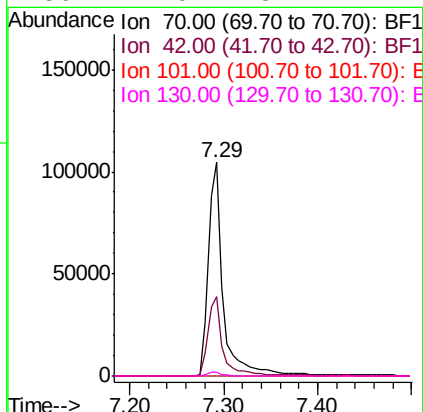
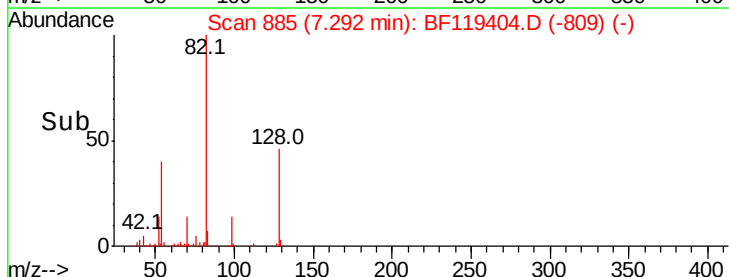
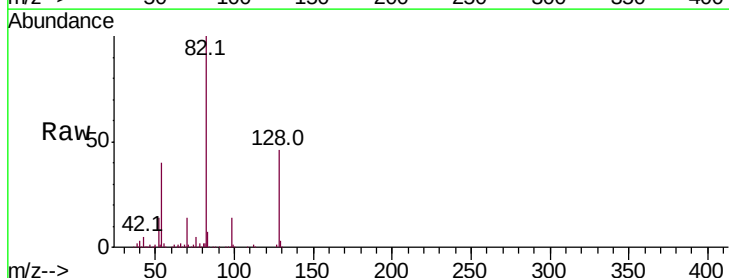
Ion Ratio Lower Upper

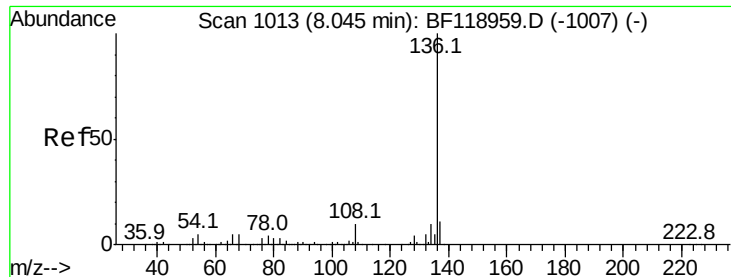
70 100

42 37.0 38.0 57.0#

101 0.0 8.2 12.4#

130 2.0 18.2 27.4#

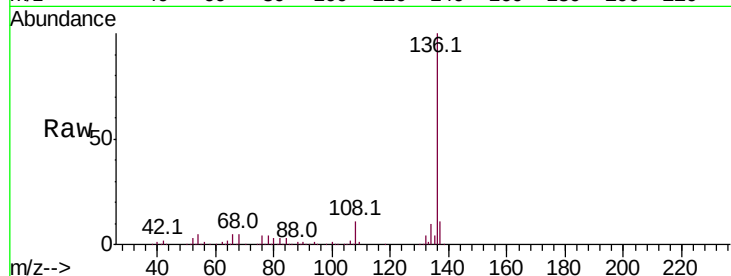




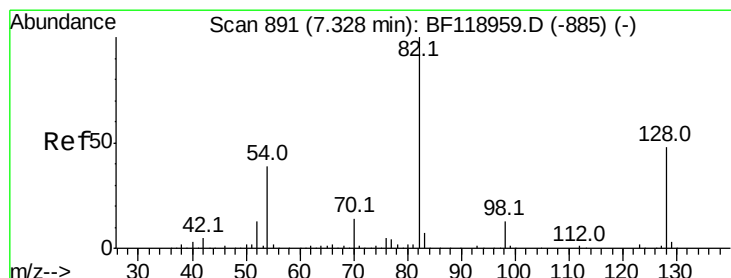
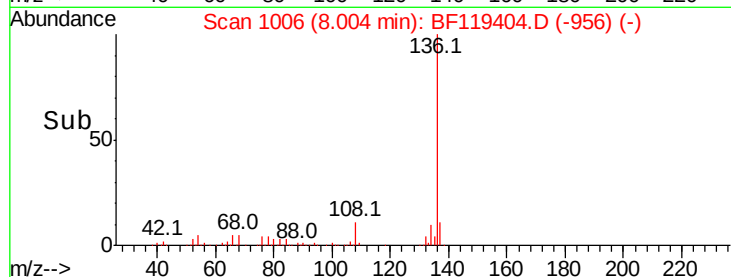
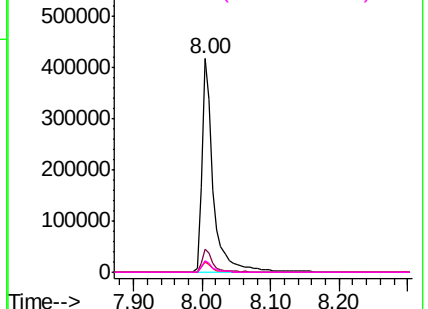
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119404.D
Acq: 13 Mar 2020 2:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	494452
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.1	3.8	5.6
68	5.3	3.9	5.9

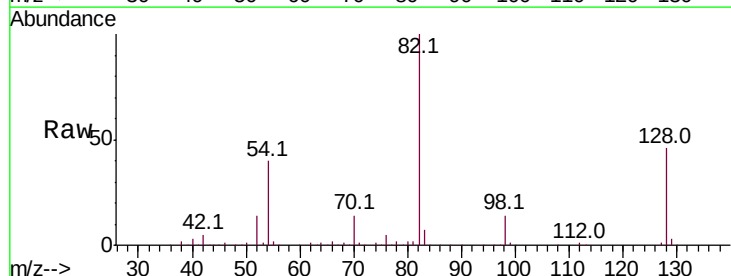


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

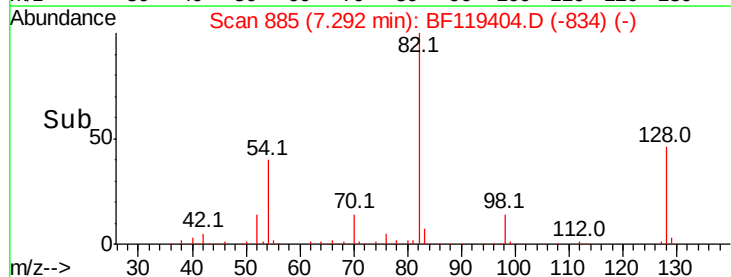
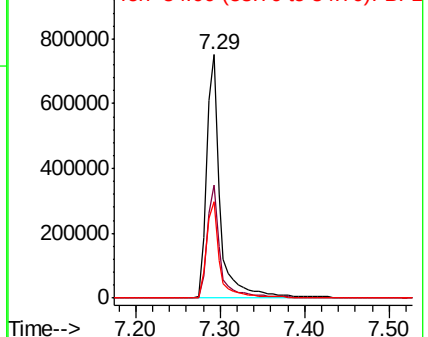


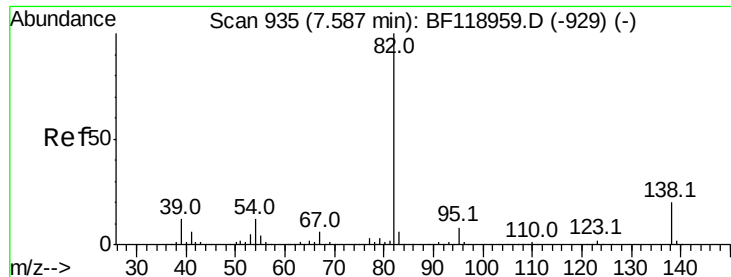
#23
Nitrobenzene-d5
Concen: 89.526 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119404.D
Acq: 13 Mar 2020 2:49

Tgt Ion:	82	Resp:	838381
Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.9	56.9
54	39.9	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: 51.550 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

Instrument :

BNA_F

ClientSampleId :

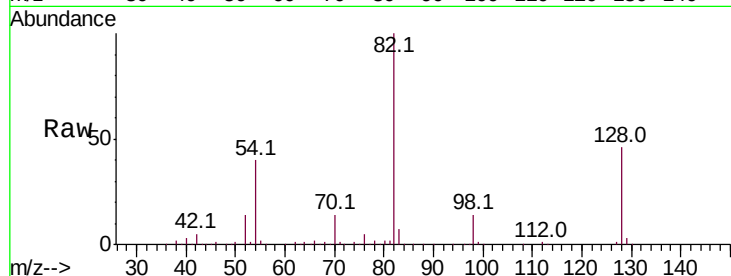
Tot Ion: 82 Resp: 838381

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

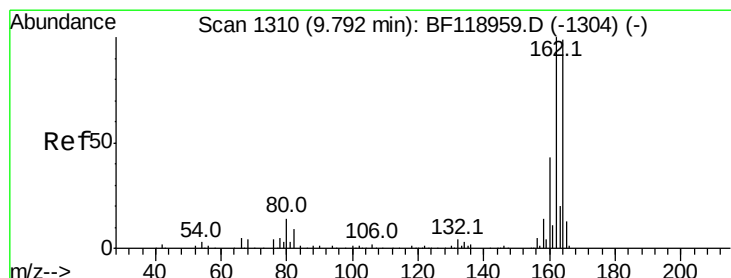
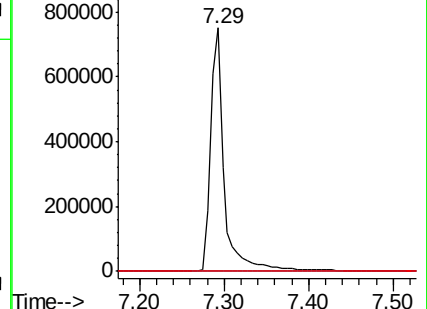
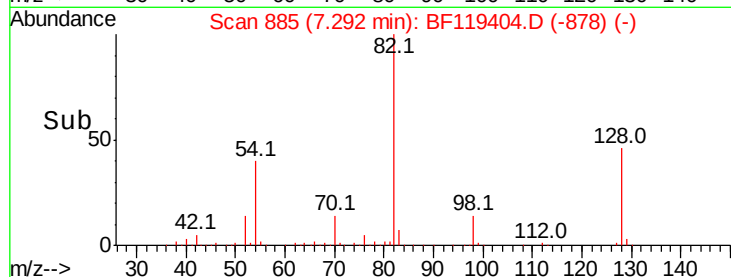
138 0.0 15.7 23.5#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

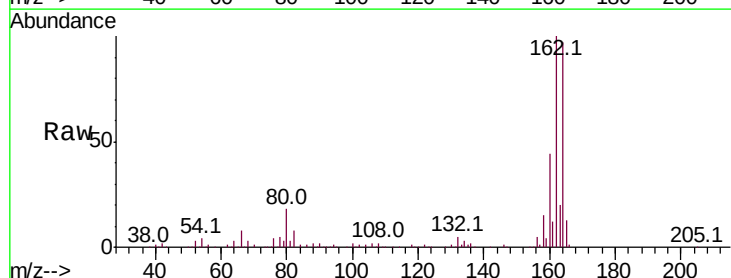
Tgt Ion:164 Resp: 276831

Ion Ratio Lower Upper

164 100

162 103.2 81.8 122.8

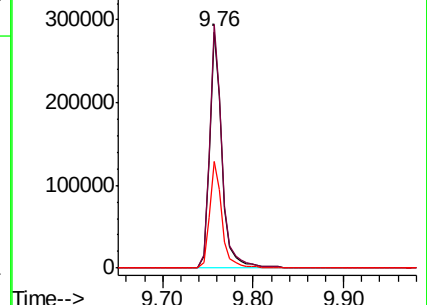
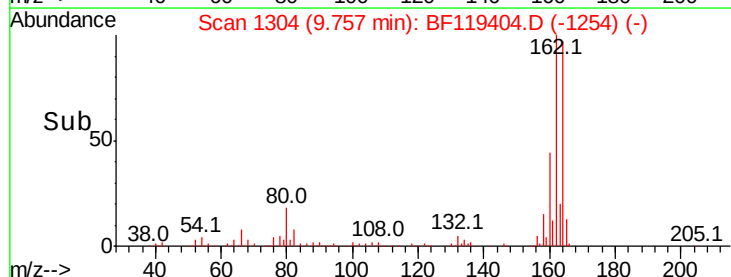
160 45.2 36.0 54.0

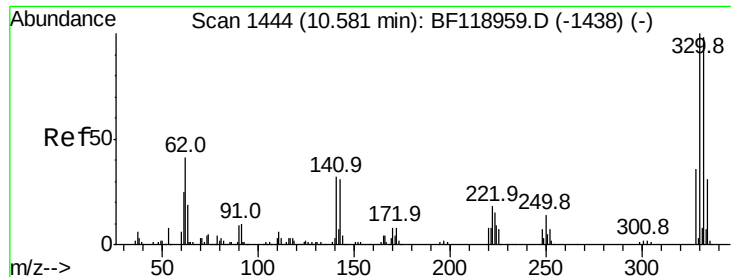


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

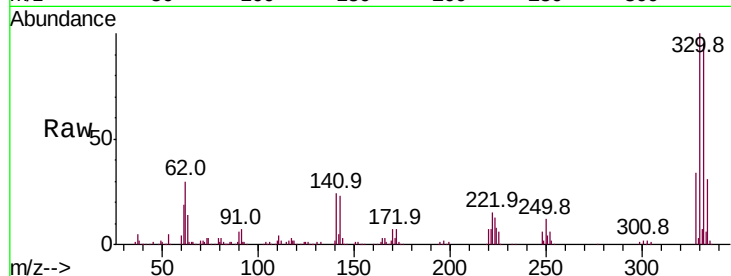




#42
 2,4,6-Tribromophenol
 Concen: 136.391 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF119404.D
 Acq: 13 Mar 2020 2:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.0	114.0
141	29.7	22.9	34.3

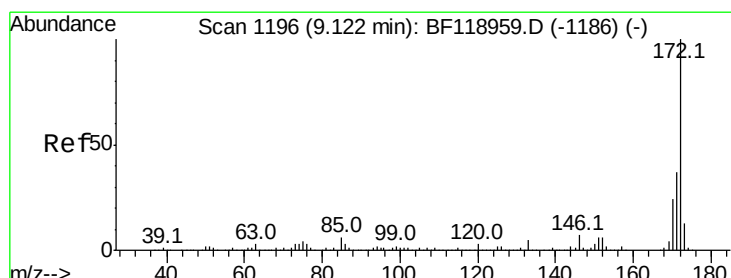
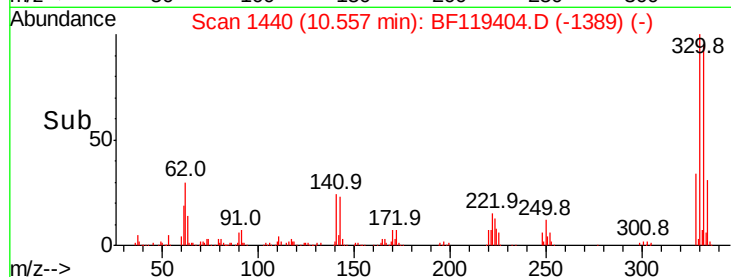
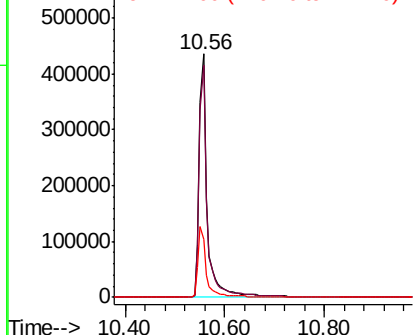


Abundance

Ion 329.80 (329.50 to 330.50): E

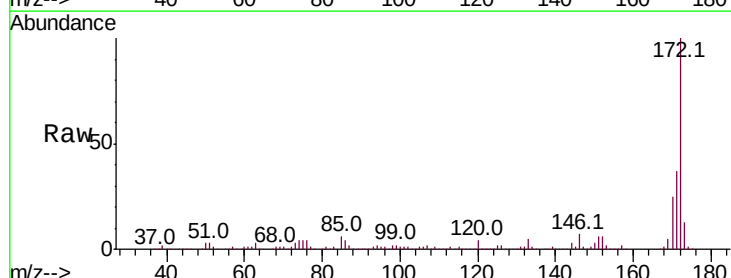
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.952 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119404.D
 Acq: 13 Mar 2020 2:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	45.8
170	24.6	20.2	30.2

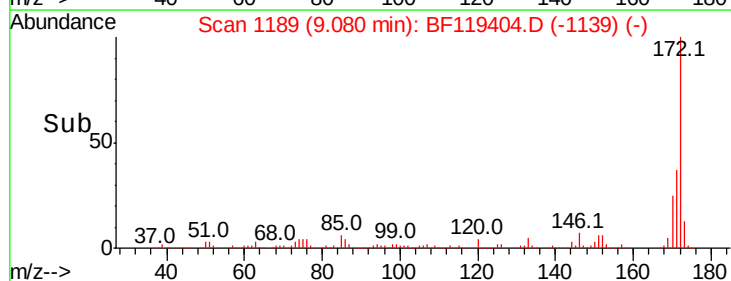
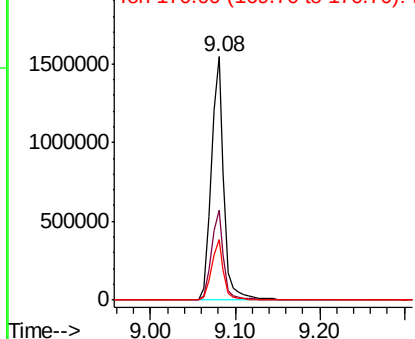


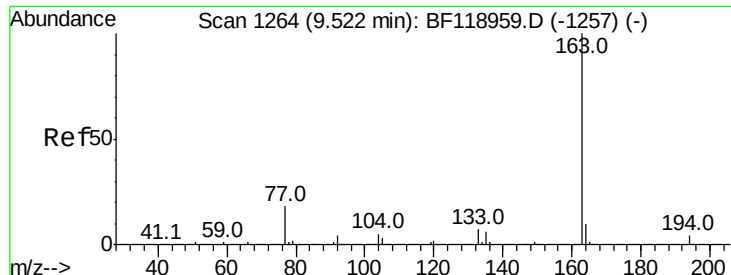
Abundance

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: 3.765 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

Instrument :

BNA_F

ClientSampleId :

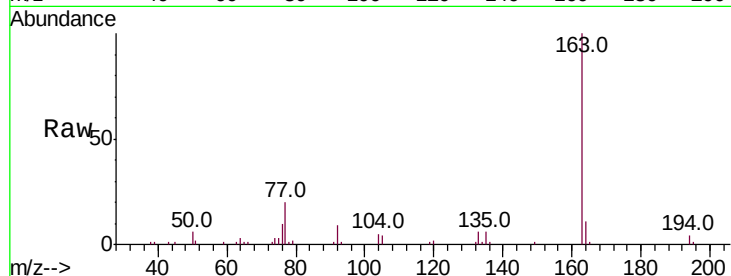
Tot Ion:163 Resp: 79706

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

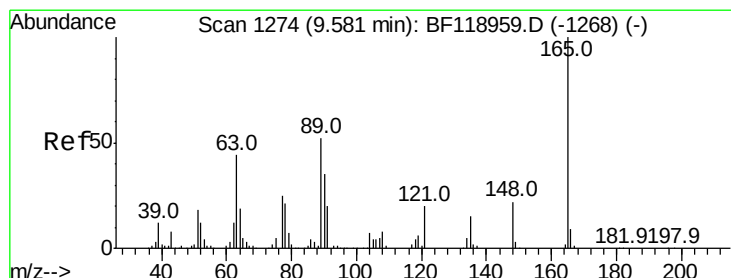
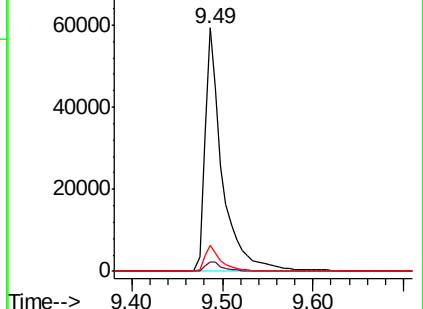
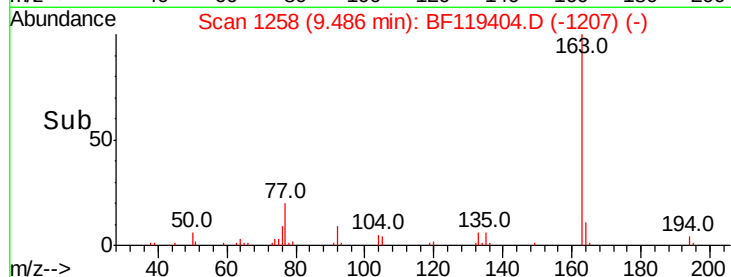
164 10.8 8.4 12.6



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: 7.547 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

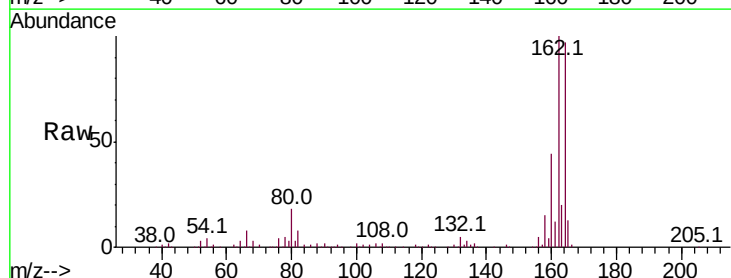
Tgt Ion:165 Resp: 35495

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

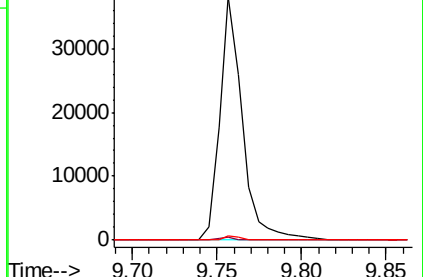
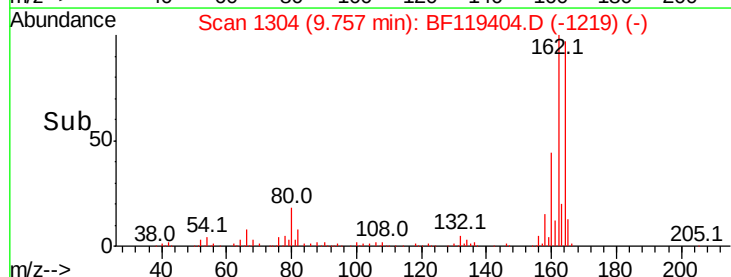
89 1.6 38.3 57.5#

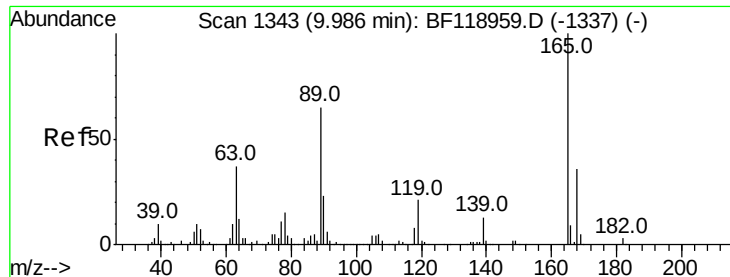


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.823 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF119404.D

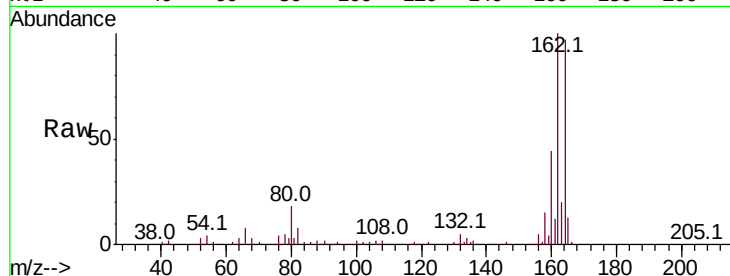
Acq: 13 Mar 2020 2:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	35495
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#

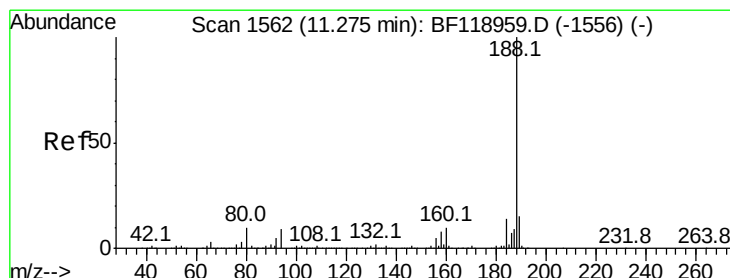
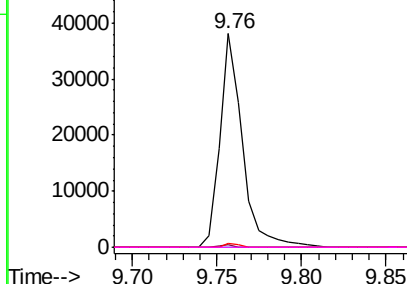
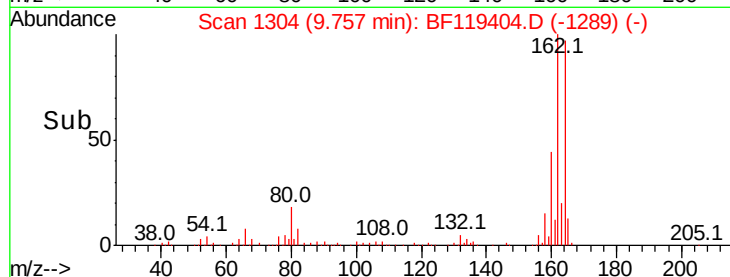


Abundance Ion 165.00 (164.70 to 165.70): E

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

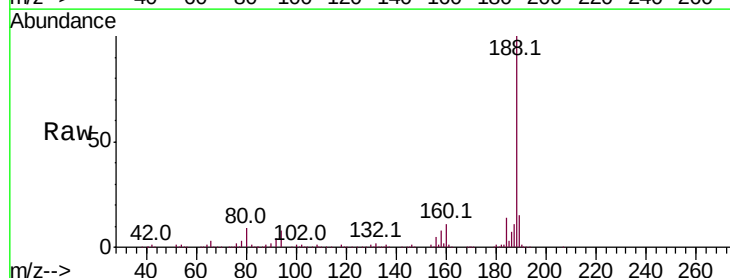
RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF119404.D

Acq: 13 Mar 2020 2:49

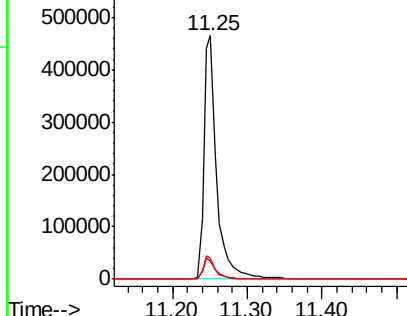
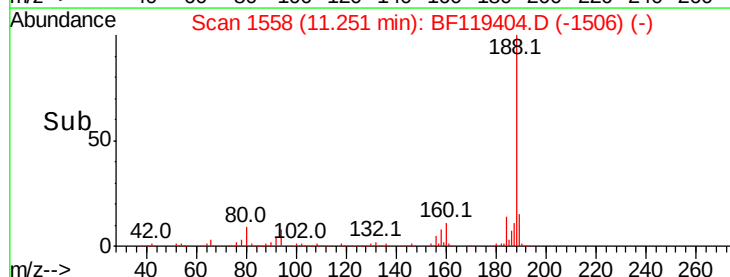
Tgt Ion:188	Resp:	555810
Ion Ratio	Lower	Upper
188	100	
94	7.7	7.1 10.7
80	8.8	7.8 11.8

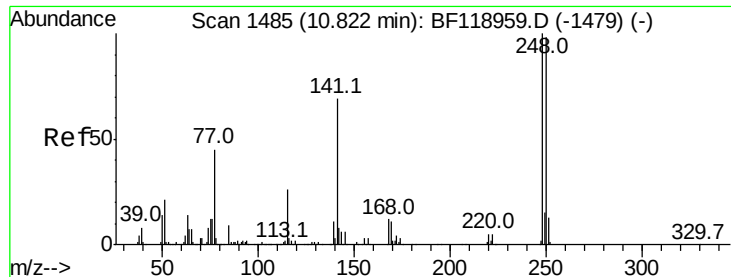


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

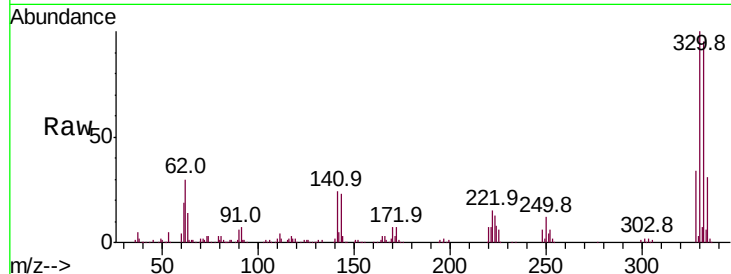




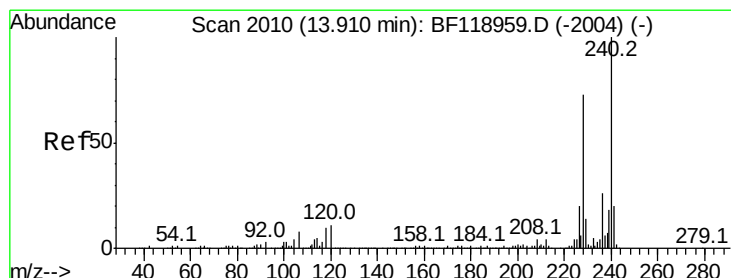
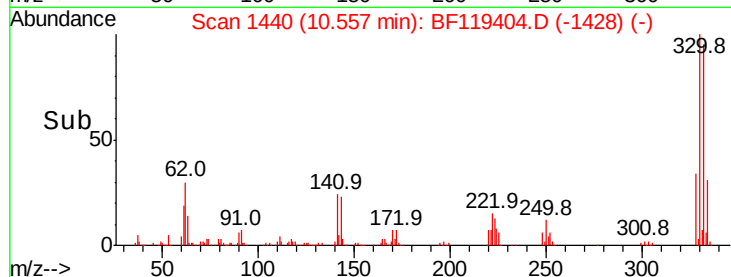
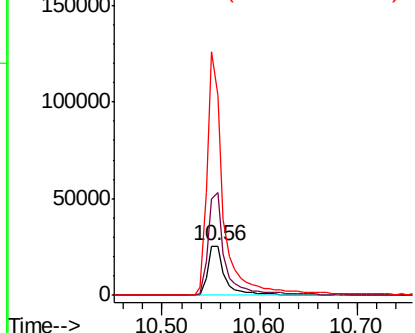
#67
4-Bromophenyl-phenylether
Concen: 4.428 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.23 min
Lab File: BF119404.D
Acq: 13 Mar 2020 2:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 32168
Ion Ratio Lower Upper
248 100
250 207.2 76.7 115.1#
141 403.8 60.7 91.1#

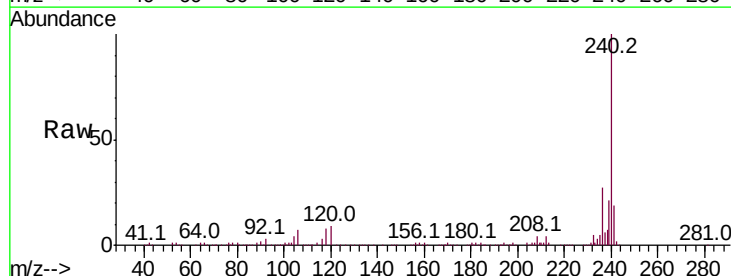


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

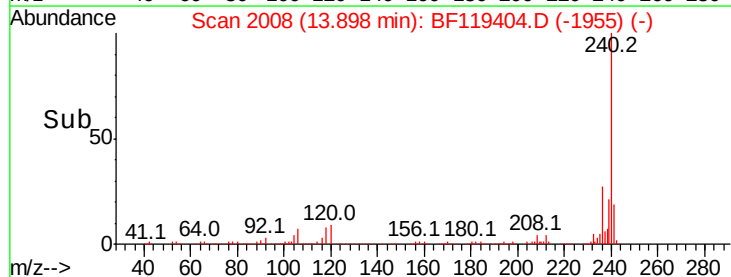
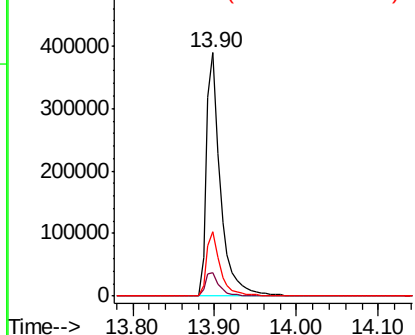


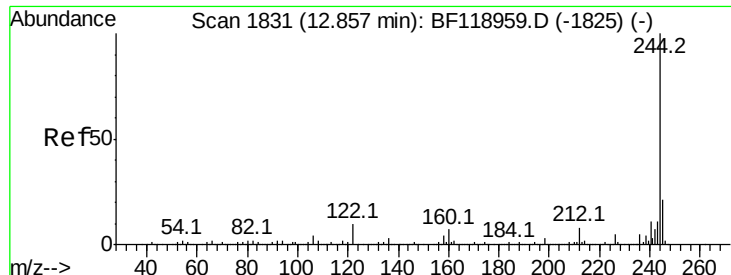
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF119404.D
Acq: 13 Mar 2020 2:49

Tgt Ion:240 Resp: 466475
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 26.6 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

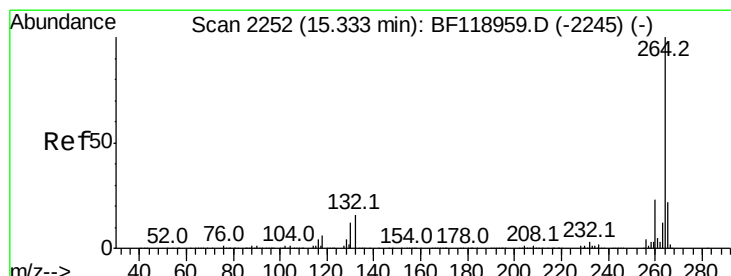
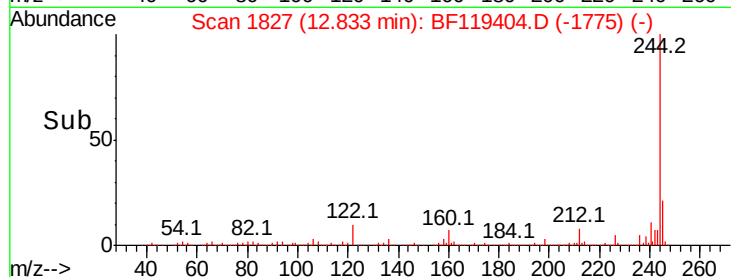
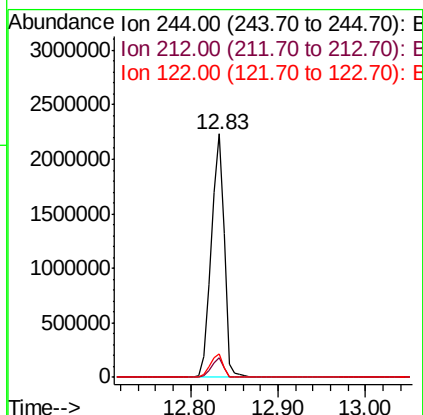
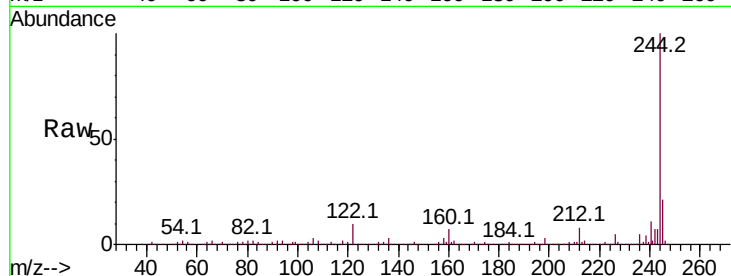




#79
 Terphenyl-d14
 Concen: 85.311 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF119404.D
 Acq: 13 Mar 2020 2:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 2311438
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 10.0
 122 9.7 8.2 12.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.02 min
 Lab File: BF119404.D
 Acq: 13 Mar 2020 2:49

Tgt Ion:264 Resp: 436662
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 21.5 17.7 26.5

