

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118374.D
 Acq On : 28 Dec 2019 19:25
 Operator : JU
 Sample : K6439-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:44:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

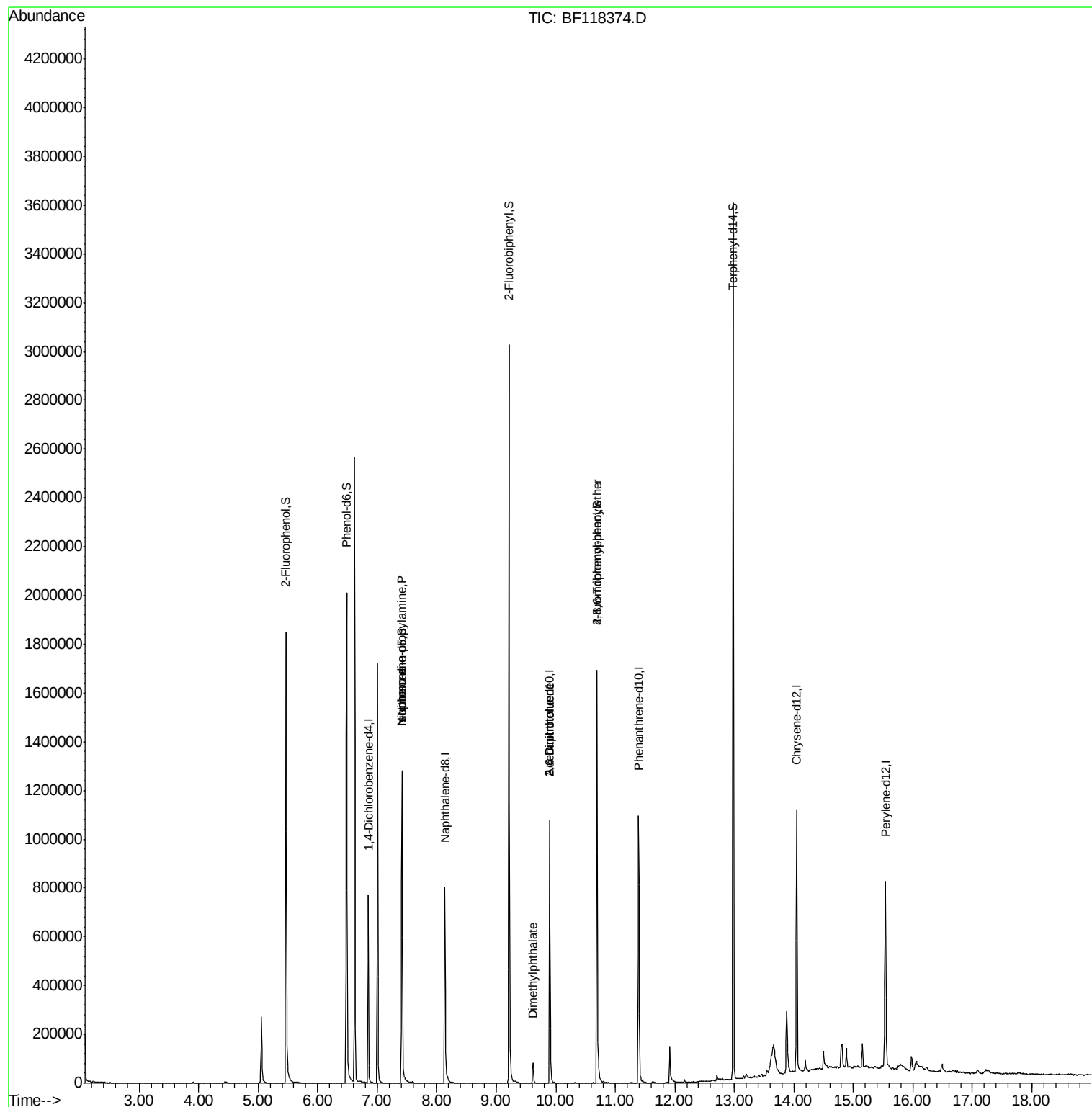
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110347	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	444064	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	232721	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	463226	20.00	ng	0.00
76) Chrysene-d12	14.04	240	367565	20.00	ng	0.00
87) Perylene-d12	15.54	264	363477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	570787	88.30	ng	0.00
7) Phenol-d6	6.49	99	717088	89.42	ng	0.00
23) Nitrobenzene-d5	7.42	82	434855	56.01	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	247455	86.10	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	930168	61.01	ng	0.00
79) Terphenyl-d14	12.98	244	1234549	55.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	56482	11.433	ng	# 78
25) Isophorone	7.42	82	434852	32.137	ng	# 62
50) Dimethylphthalate	9.62	163	47141	2.699	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	29167	7.744	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	29167	5.796	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	14848	2.739	ng	# 1

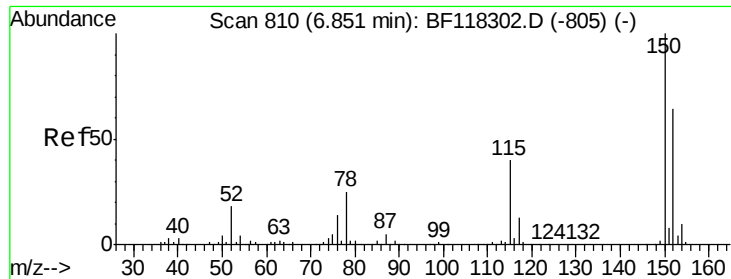
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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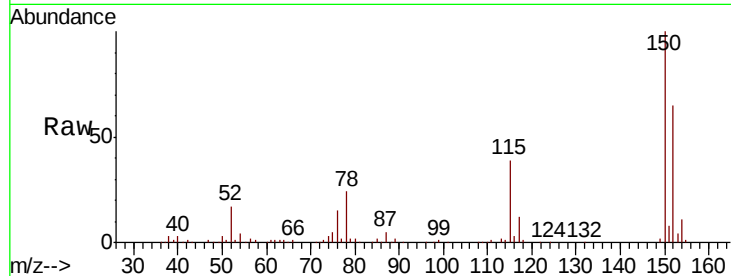


#1

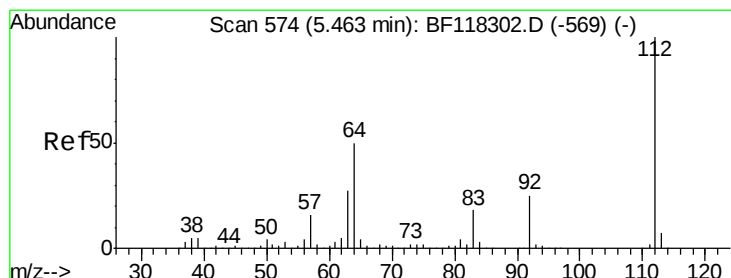
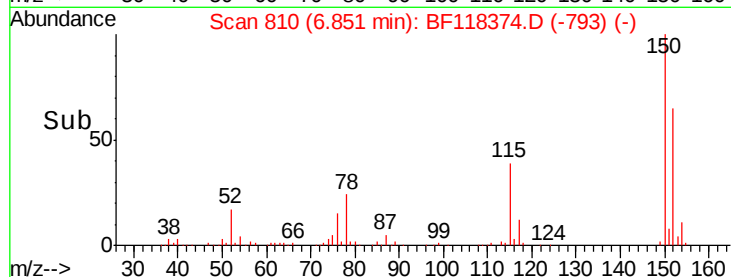
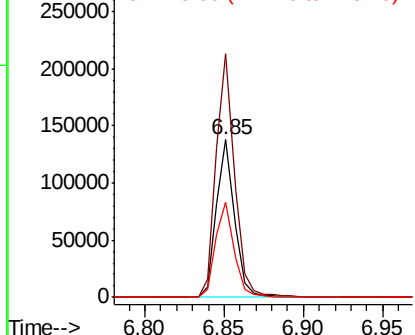
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118374.D
Acq: 28 Dec 2019 19:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110347
Ion Ratio Lower Upper
152 100
150 154.6 125.4 188.2
115 60.8 50.2 75.4



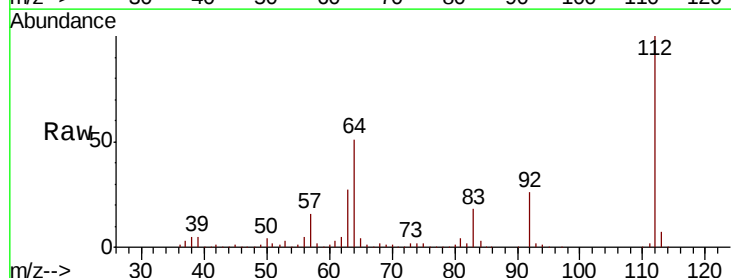
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



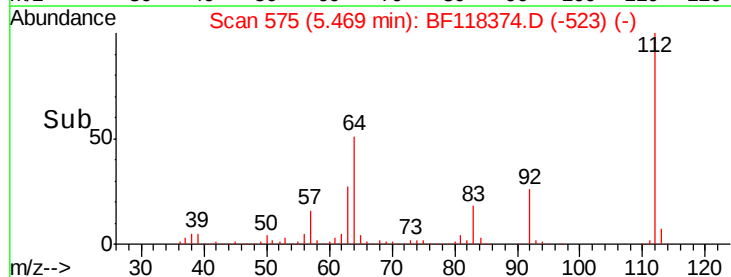
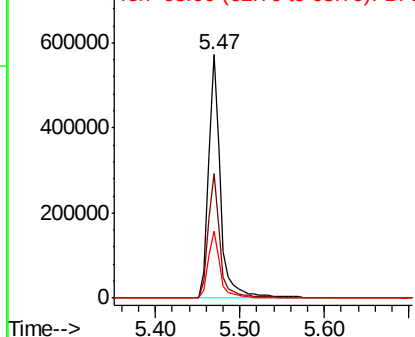
#5

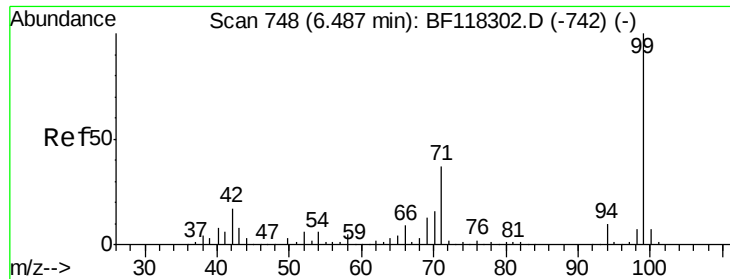
2-Fluorophenol
Concen: 88.297 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118374.D
Acq: 28 Dec 2019 19:25

Tgt Ion:112 Resp: 570787
Ion Ratio Lower Upper
112 100
64 50.9 39.7 59.5
63 27.3 21.7 32.5



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: 89.420 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

Instrument :

BNA_F

ClientSampled :

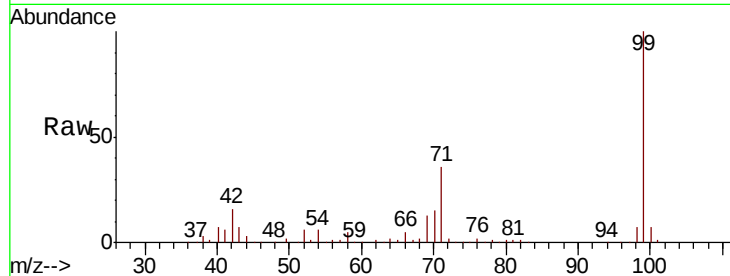
Tot Ion: 99 Resp: 717088

Ion Ratio Lower Upper

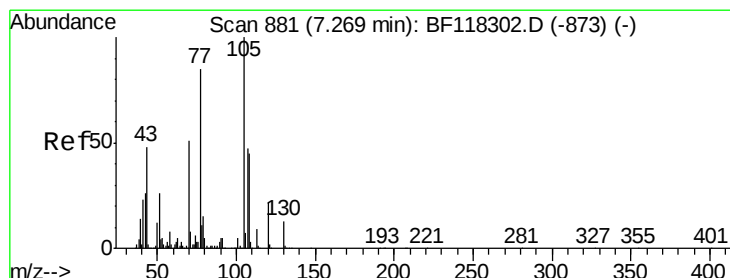
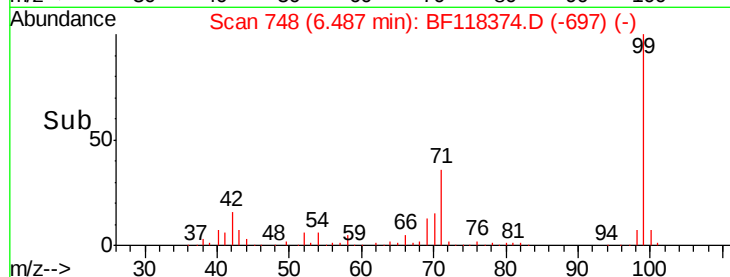
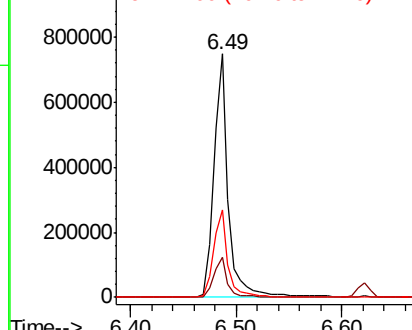
99 100

42 16.5 13.5 20.3

71 36.1 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.433 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

Tgt Ion: 70 Resp: 56482

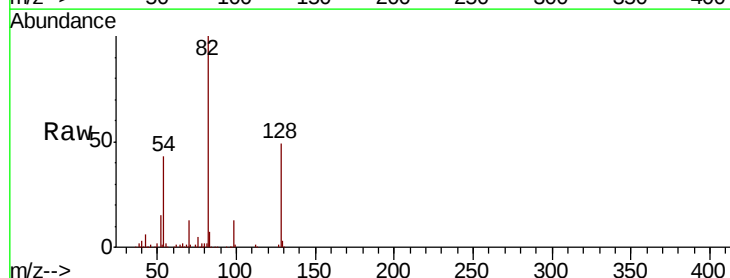
Ion Ratio Lower Upper

70 100

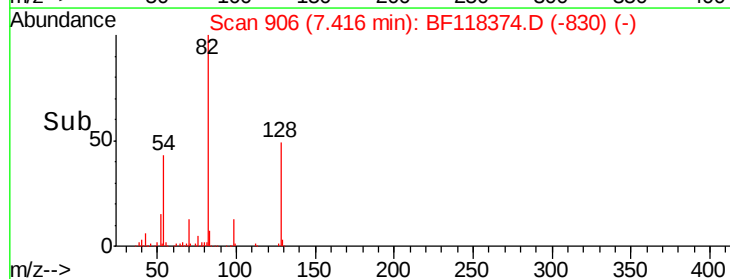
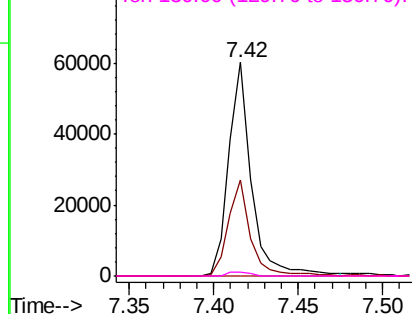
42 44.9 41.1 61.7

101 0.0 8.3 12.5#

130 1.9 20.1 30.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

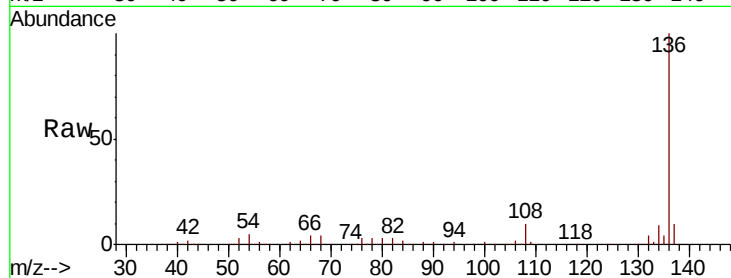




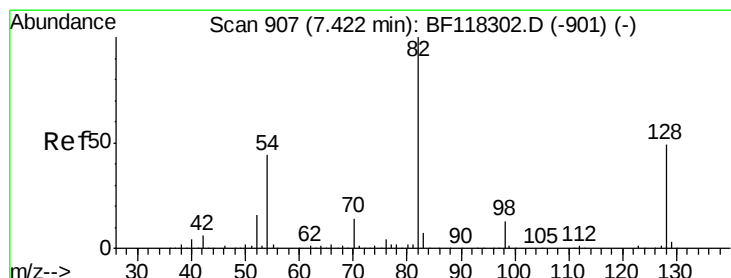
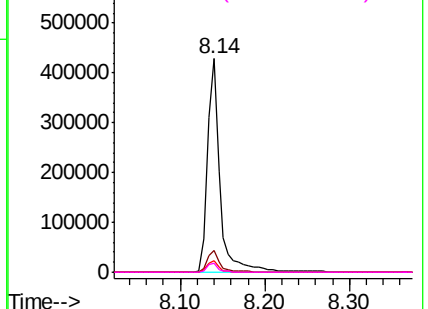
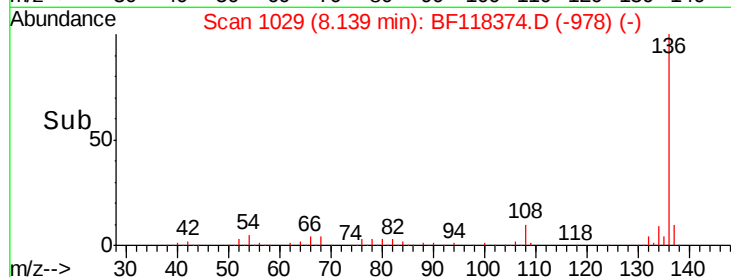
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118374.D
Acq: 28 Dec 2019 19:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	444064
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.9 13.3
54	5.2	4.2 6.4
68	4.2	3.5 5.3

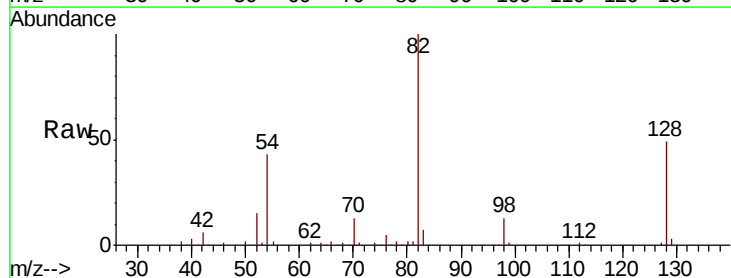


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

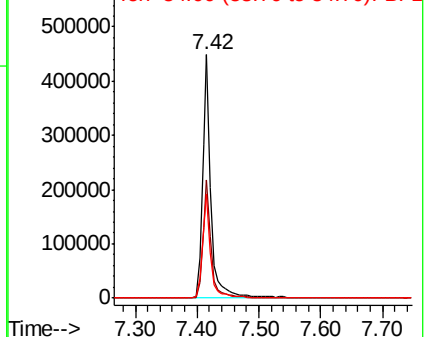
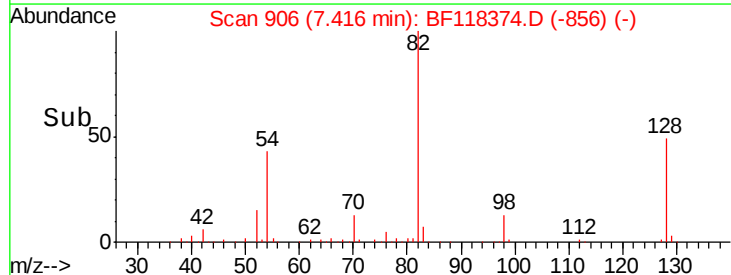


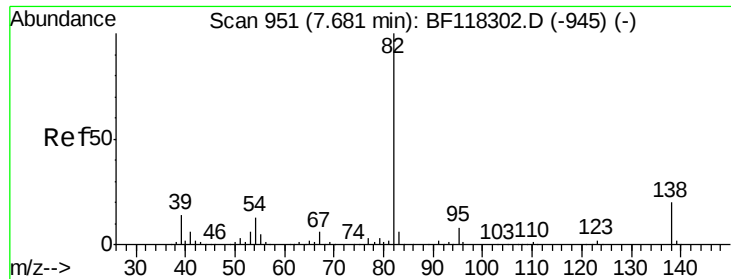
#23
Nitrobenzene-d5
Concen: 56.009 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118374.D
Acq: 28 Dec 2019 19:25

Tgt Ion: 82	Resp:	434855
Ion	Ratio	Lower Upper
82	100	
128	48.7	39.6 59.4
54	42.6	34.9 52.3



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: 32.137 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

Instrument :

BNA_F

ClientSampled :

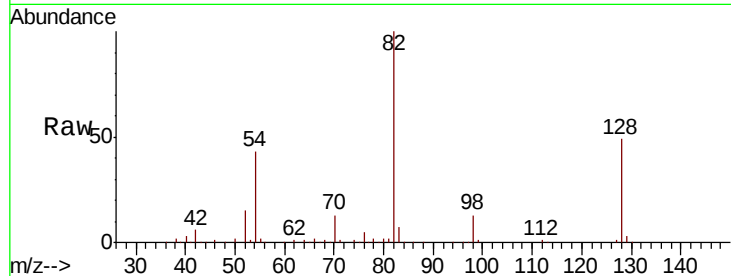
Tot Ion: 82 Resp: 434852

Ion Ratio Lower Upper

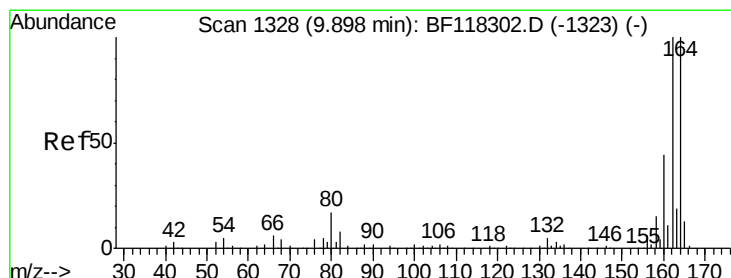
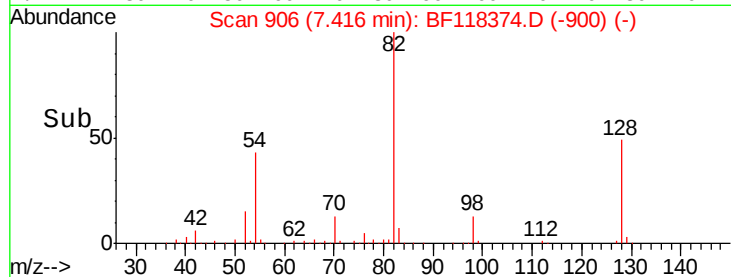
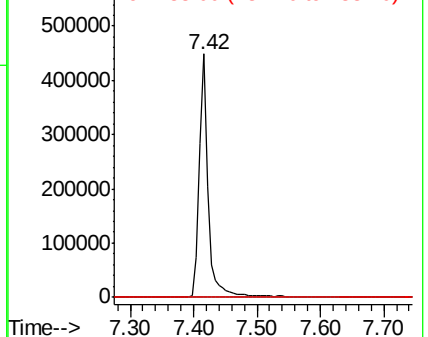
82 100

95 0.0 6.3 9.5#

138 0.0 16.2 24.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

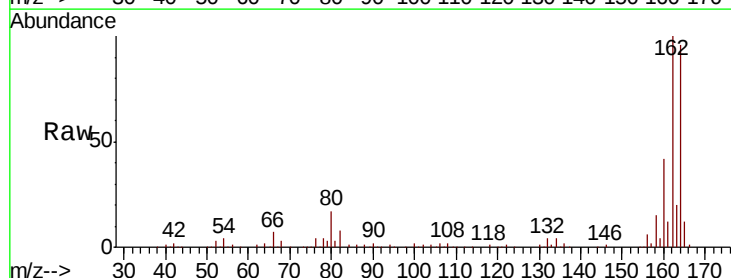
Tgt Ion:164 Resp: 232721

Ion Ratio Lower Upper

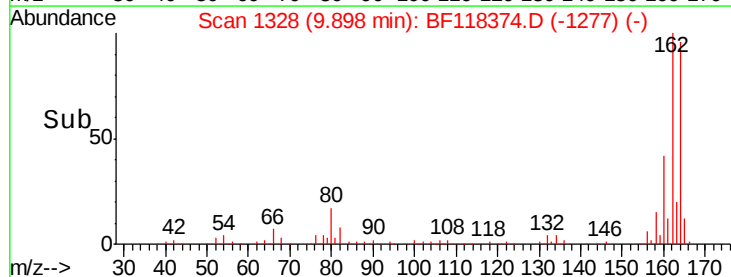
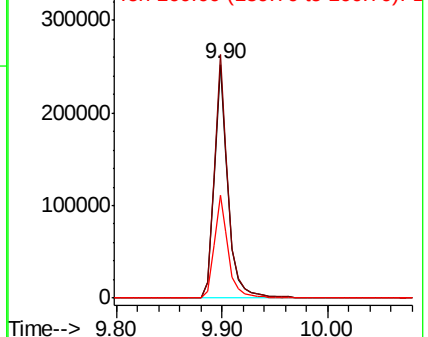
164 100

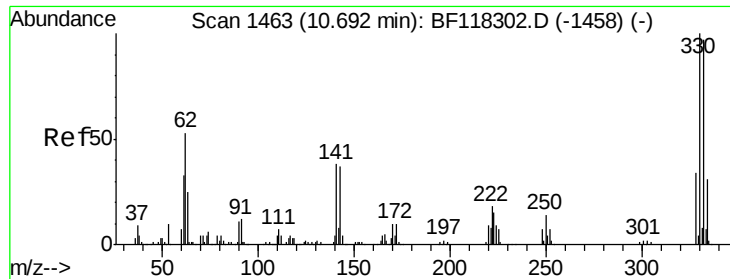
162 104.2 80.0 120.0

160 44.0 34.8 52.2



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

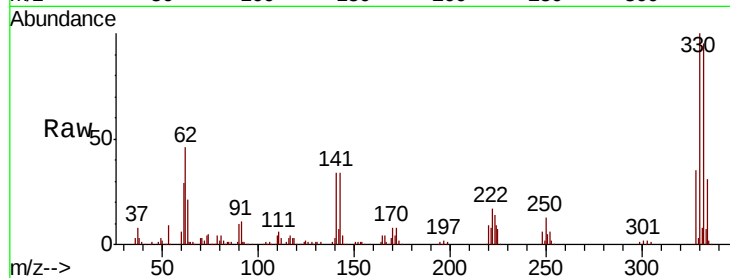




#42
 2,4,6-Tribromophenol
 Concen: 86.103 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF118374.D
 Acq: 28 Dec 2019 19:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	32.2	26.0	39.0

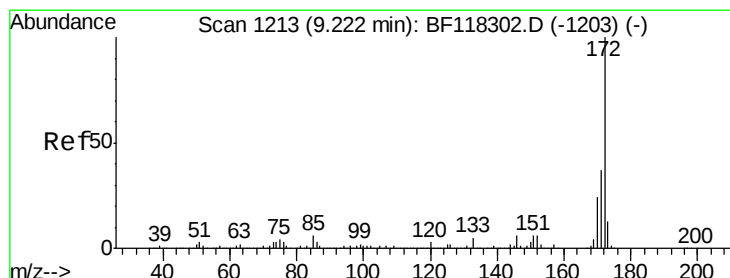
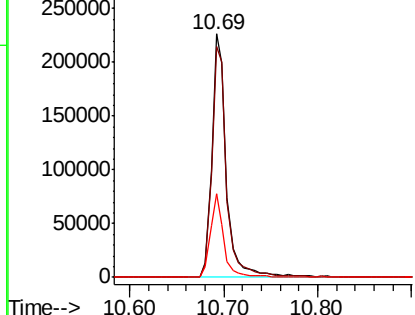
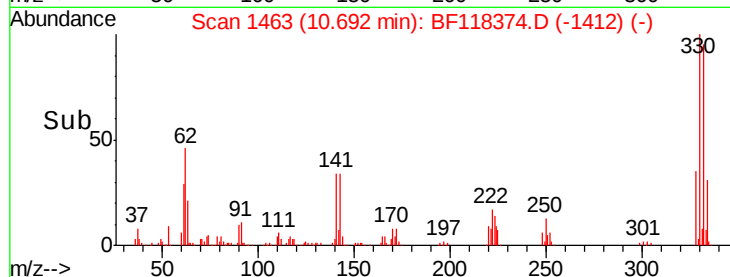


Abundance

Ion 329.80 (329.50 to 330.50): E

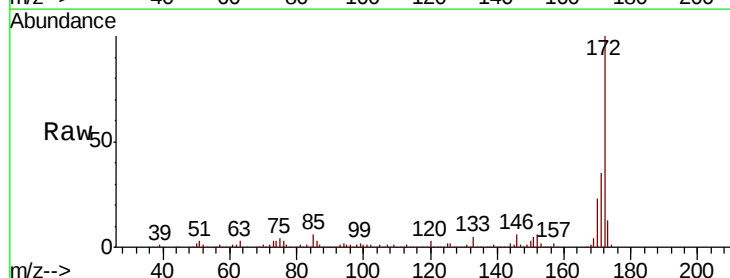
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.012 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118374.D
 Acq: 28 Dec 2019 19:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.3	43.9
170	23.4	19.2	28.8

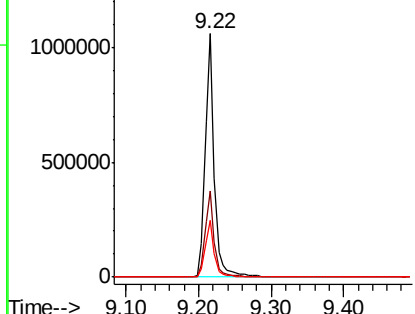
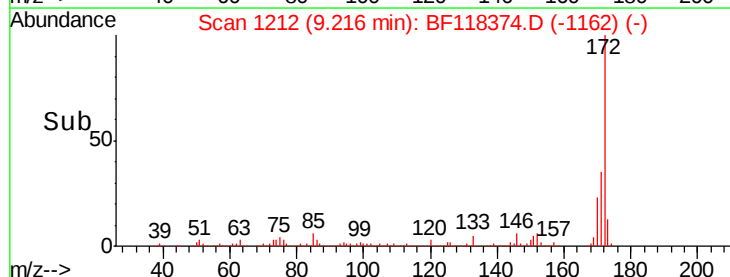


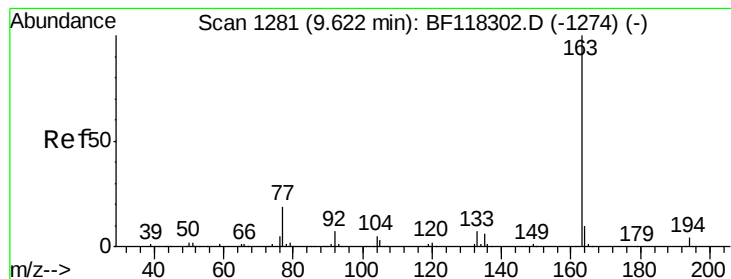
Abundance

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: 2.699 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

Instrument :

BNA_F

ClientSampled :

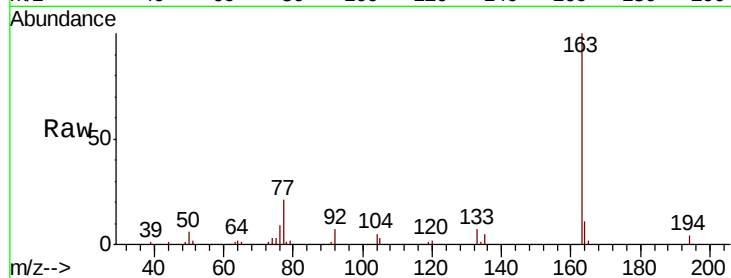
Tot Ion:163 Resp: 47141

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

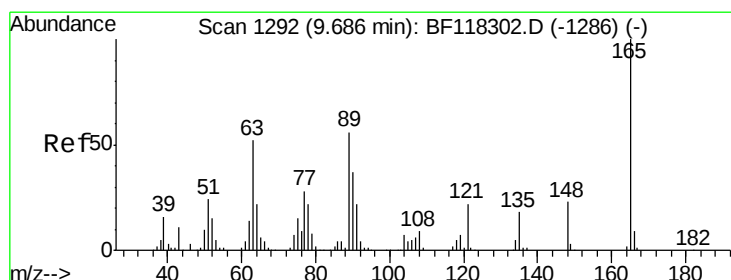
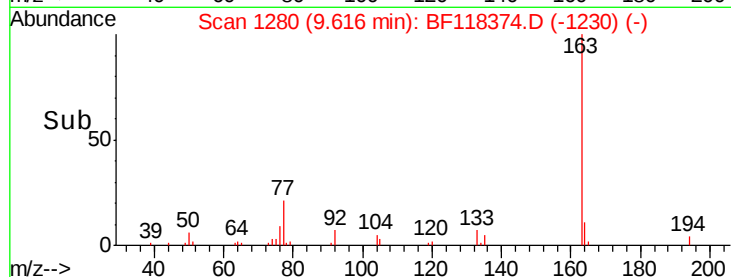
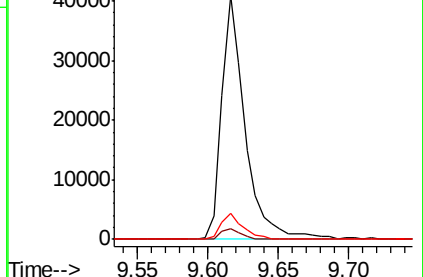
164 10.5 7.9 11.9



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: 7.744 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

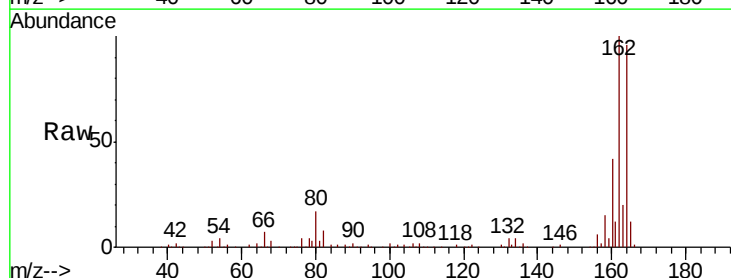
Tgt Ion:165 Resp: 29167

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

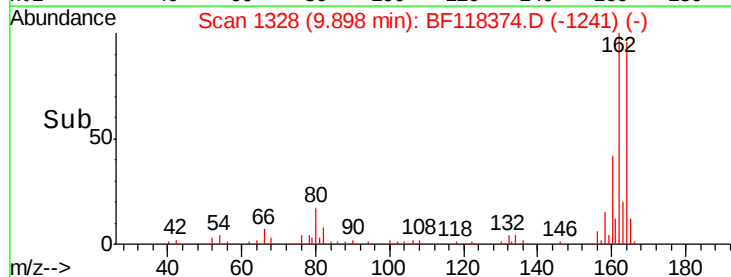
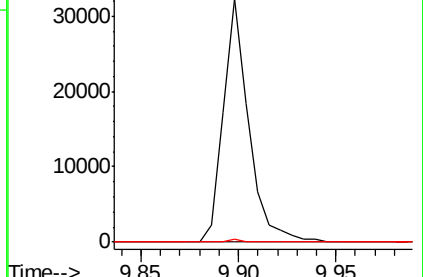
89 1.4 44.4 66.6#

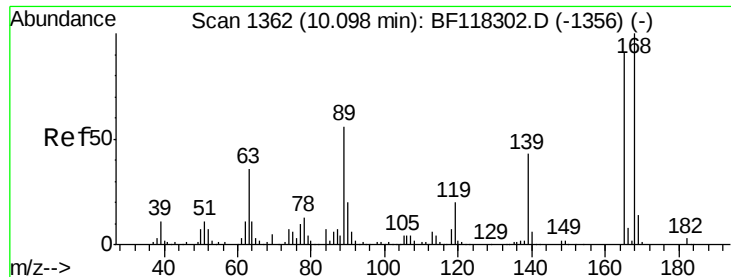


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

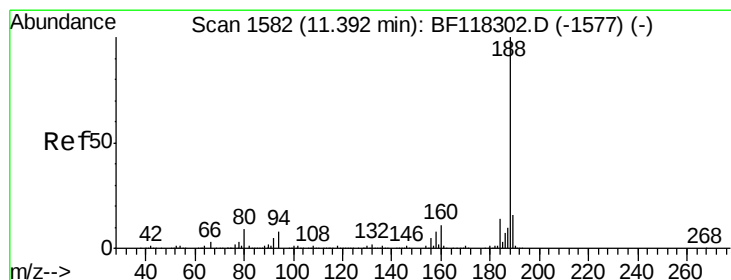
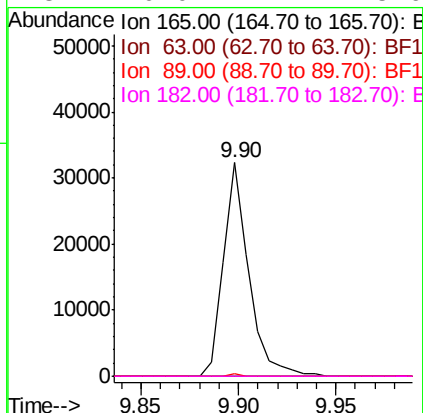
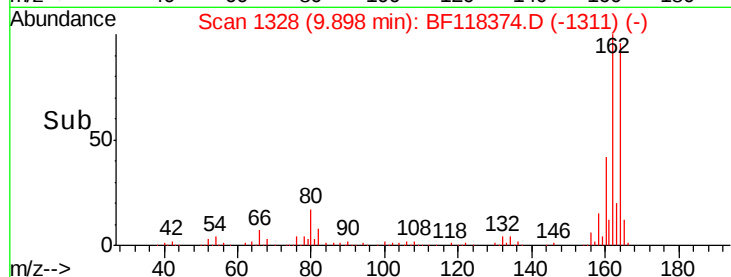
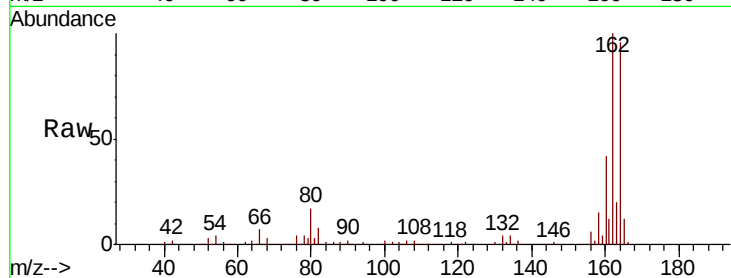




#57
 2,4-Dinitrotoluene
 Concen: 5.796 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118374.D
 Acq: 28 Dec 2019 19:25

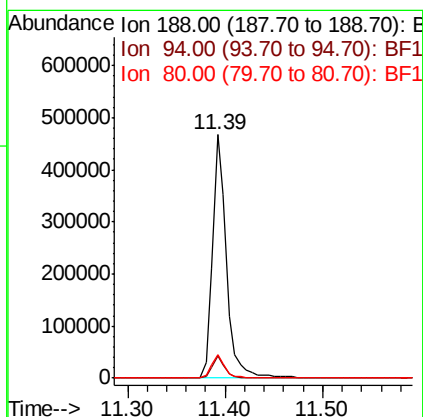
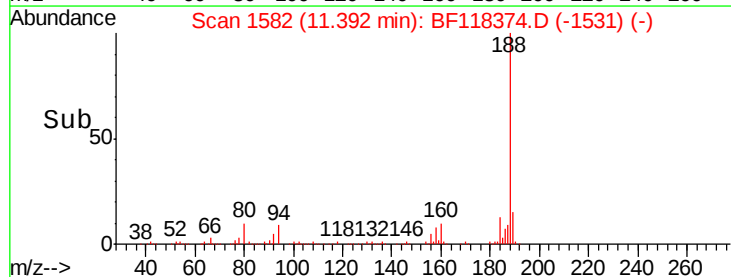
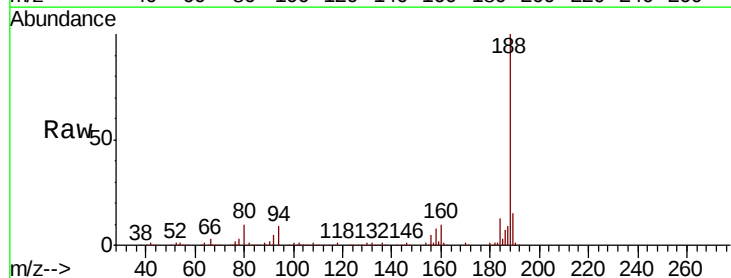
Instrument :
 BNA_F
 ClientSampleId :

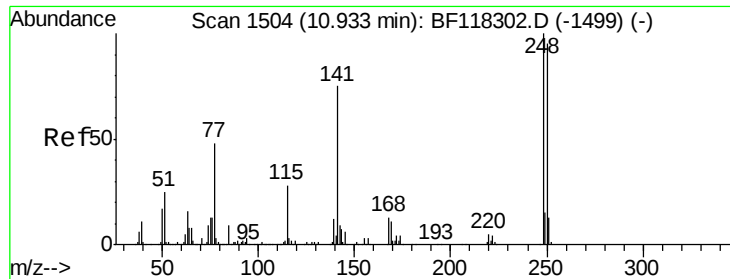
Tot Ion:	165	Resp:	29167
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.4	49.3	73.9#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118374.D
 Acq: 28 Dec 2019 19:25

Tgt Ion:	188	Resp:	463226
Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.7	10.1
80	9.6	7.2	10.8

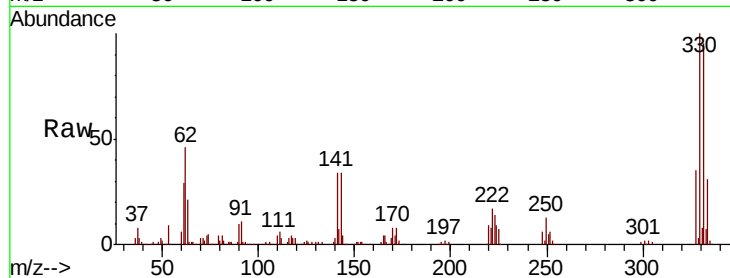




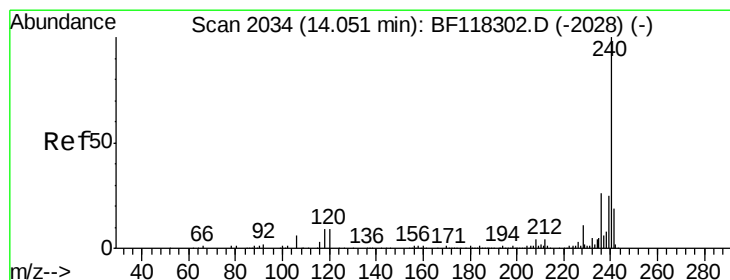
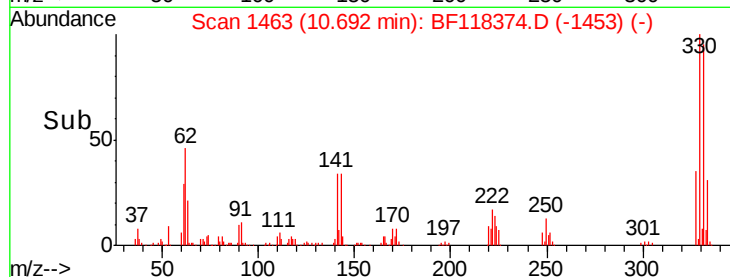
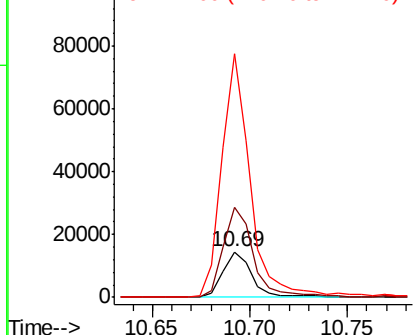
#67
 4-Bromophenyl-phenylether
 Concen: 2.739 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118374.D
 Acq: 28 Dec 2019 19:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14848
 Ion Ratio Lower Upper
 248 100
 250 197.3 76.4 114.6#
 141 531.8 60.2 90.2#

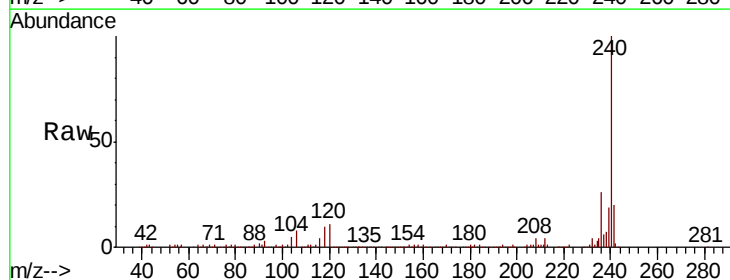


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

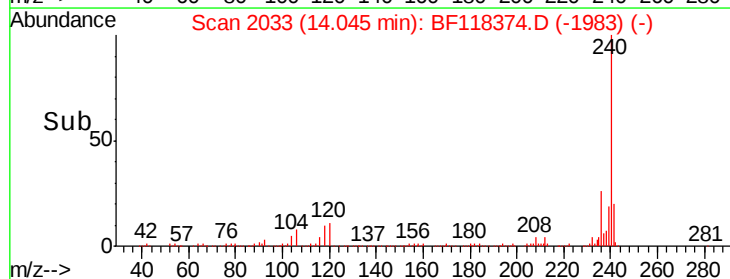
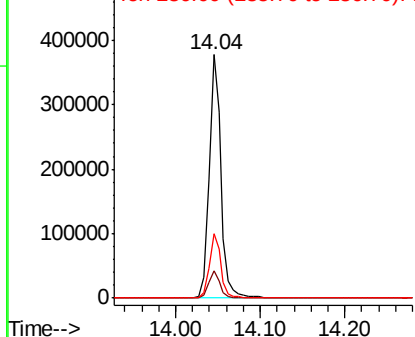


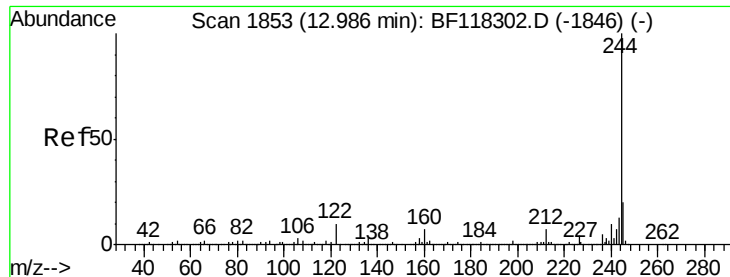
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118374.D
 Acq: 28 Dec 2019 19:25

Tgt Ion:240 Resp: 367565
 Ion Ratio Lower Upper
 240 100
 120 11.2 7.1 10.7#
 236 26.2 21.0 31.6



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: 55.722 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

Instrument :

BNA_F

ClientSampleId :

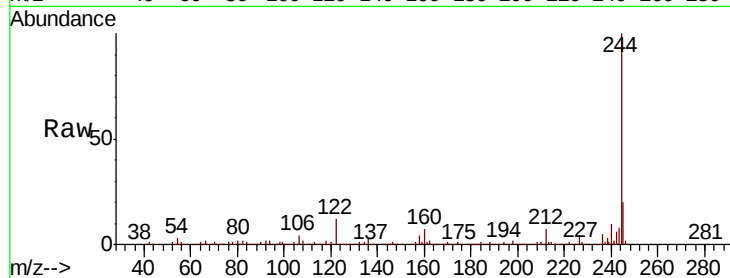
Tot Ion:244 Resp: 1234549

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

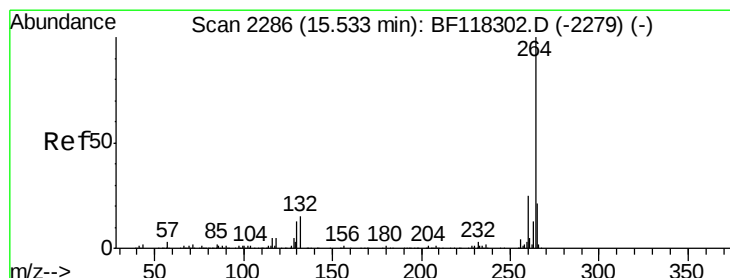
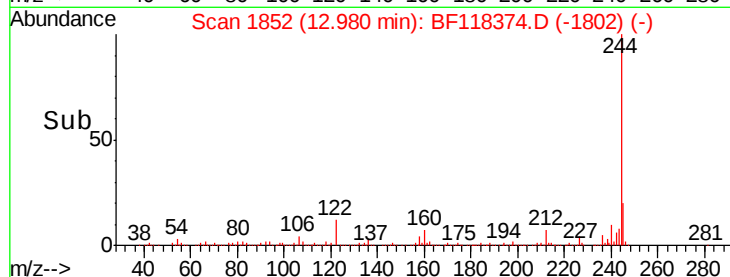
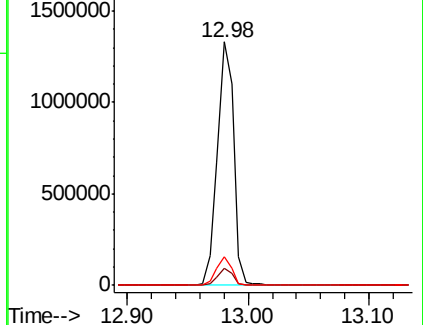
122 11.7 7.8 11.8



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118374.D

Acq: 28 Dec 2019 19:25

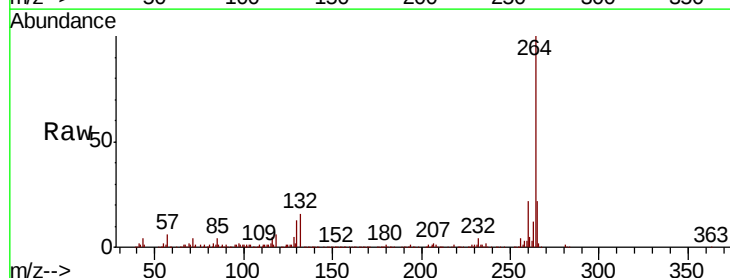
Tgt Ion:264 Resp: 363477

Ion Ratio Lower Upper

264 100

260 22.4 19.8 29.6

265 21.6 17.0 25.4



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

