

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118378.D
 Acq On : 28 Dec 2019 21:18
 Operator : JU
 Sample : K6439-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:46:05 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

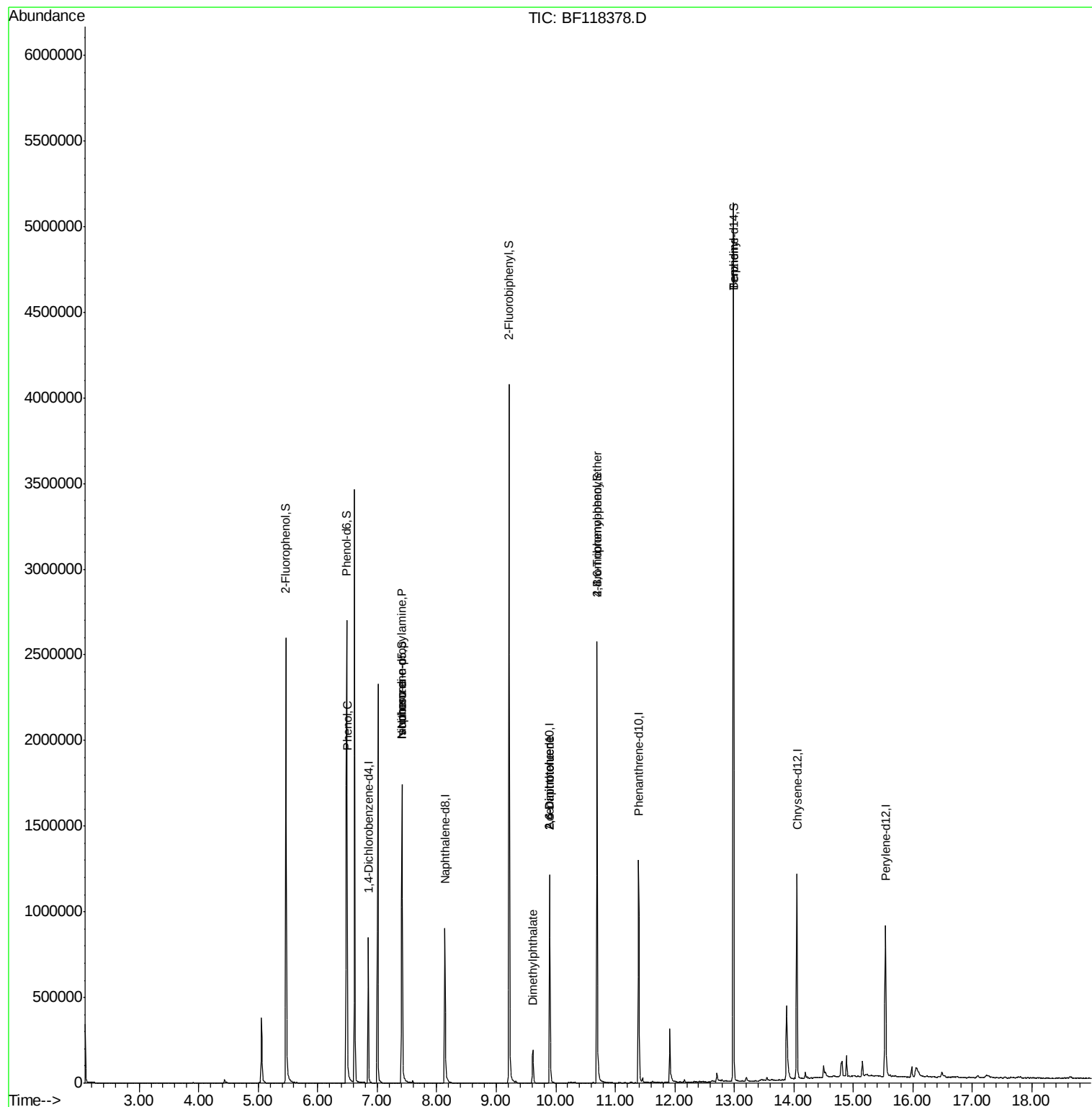
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124256	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	489065	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	265046	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	525327	20.00	ng	0.00
76) Chrysene-d12	14.05	240	424625	20.00	ng	0.00
87) Perylene-d12	15.54	264	421924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	791874	108.79	ng	0.00
7) Phenol-d6	6.49	99	995813	110.28	ng	0.00
23) Nitrobenzene-d5	7.42	82	593492	69.41	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	363461	111.04	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1276380	73.51	ng	0.00
79) Terphenyl-d14	12.99	244	1726117	67.44	ng	0.00
Target Compounds						
10) Phenol	6.50	94	21480	2.116	ng	91
19) n-Nitroso-di-n-propylamine	7.42	70	79063	14.213	ng	# 76
25) Isophorone	7.42	82	593487	39.825	ng	# 62
50) Dimethylphthalate	9.62	163	104810	5.268	ng	99
51) 2,6-Dinitrotoluene	9.90	165	33762	7.871	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	33762	5.891	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	22130	3.600	ng	# 1
77) Benzidine	12.99	184	23822	2.047	ng	# 95

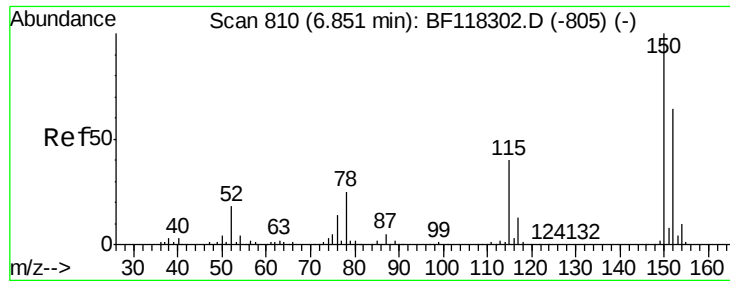
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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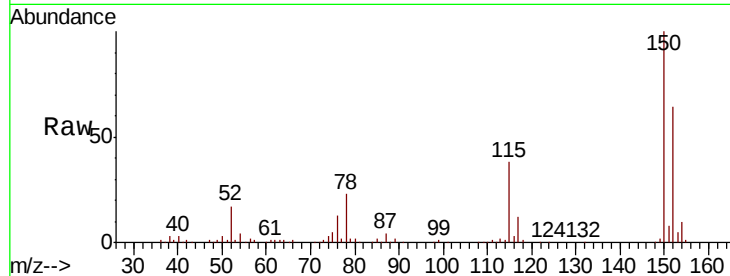




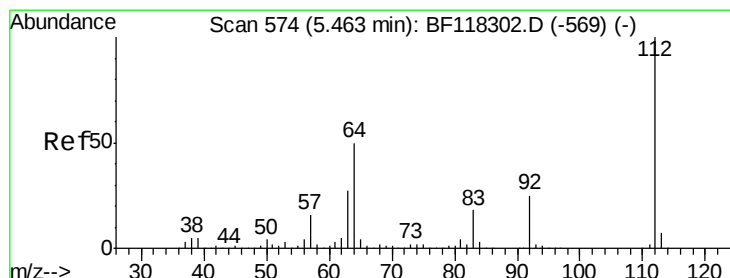
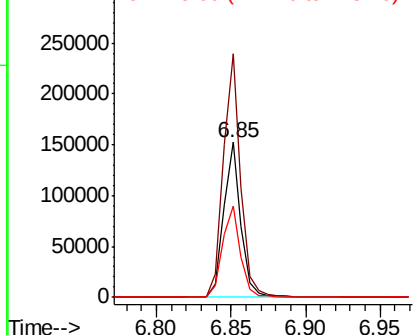
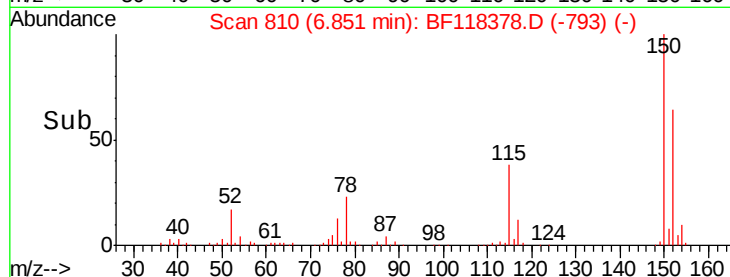
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF118378.D
 Acq: 28 Dec 2019 21:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 124256
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.4 188.2
 115 59.2 50.2 75.4

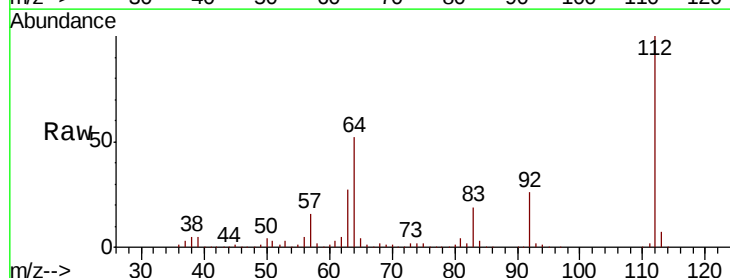


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

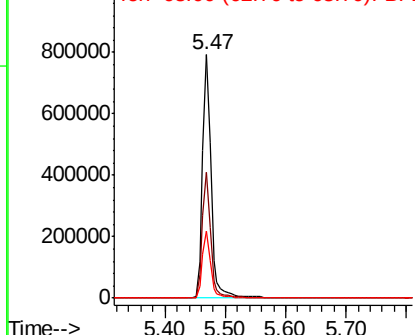
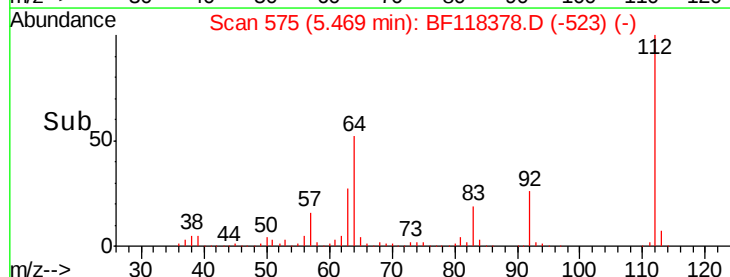


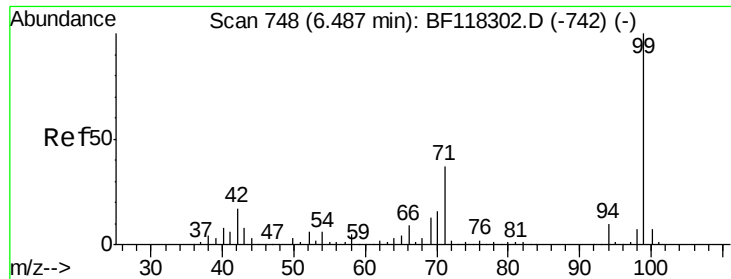
#5
 2-Fluorophenol
 Concen: 108.785 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118378.D
 Acq: 28 Dec 2019 21:18

Tgt Ion:112 Resp: 791874
 Ion Ratio Lower Upper
 112 100
 64 51.7 39.7 59.5
 63 27.5 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: 110.277 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118378.D

Acq: 28 Dec 2019 21:18

Instrument :

BNA_F

ClientSampled :

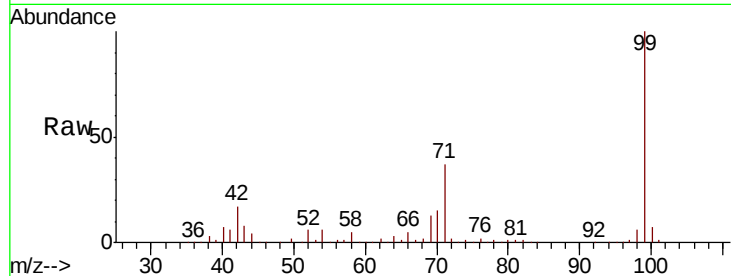
Tot Ion: 99 Resp: 995813

Ion Ratio Lower Upper

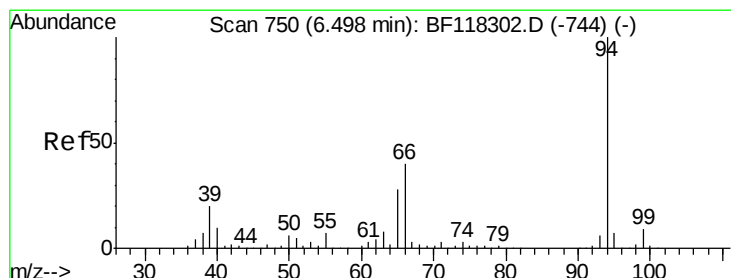
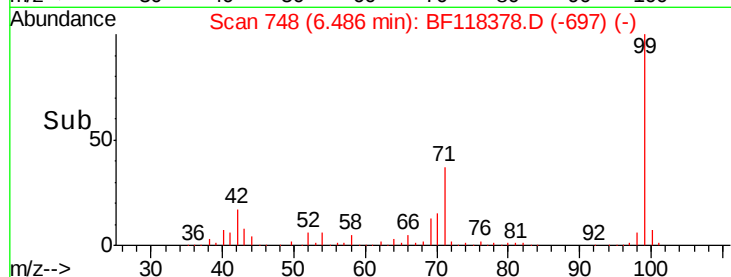
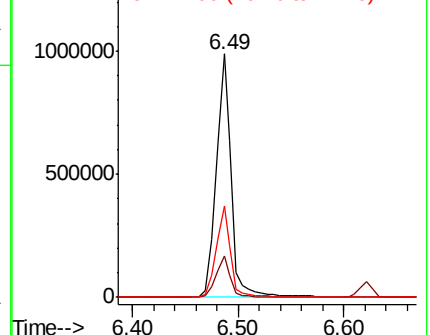
99 100

42 17.0 13.5 20.3

71 37.3 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



#10

Phenol

Concen: 2.116 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118378.D

Acq: 28 Dec 2019 21:18

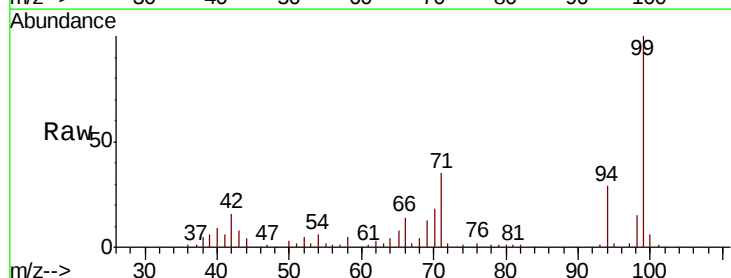
Tgt Ion: 94 Resp: 21480

Ion Ratio Lower Upper

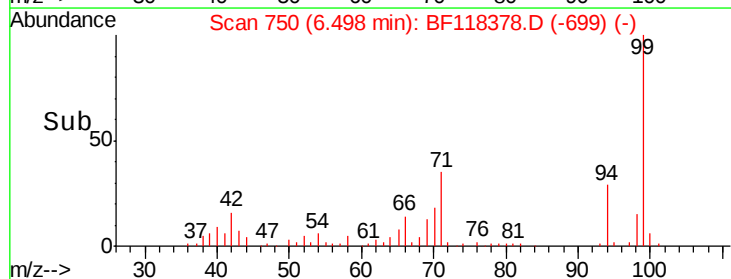
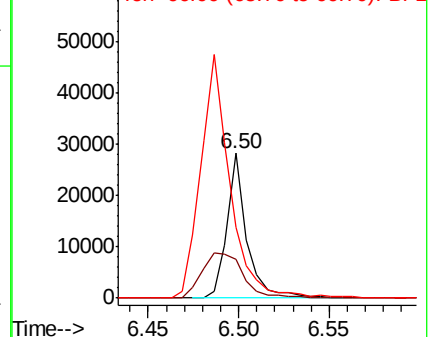
94 100

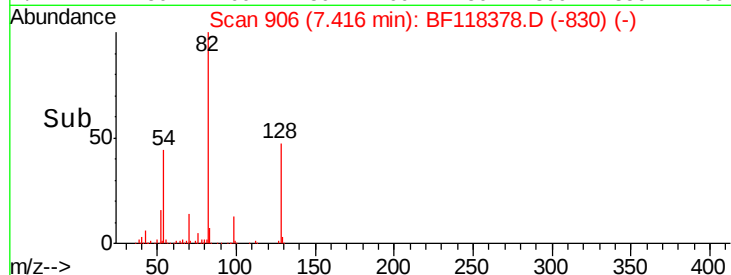
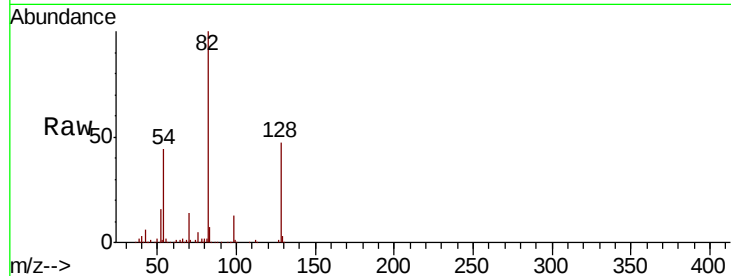
65 26.7 7.8 47.8

66 49.1 20.4 60.4



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

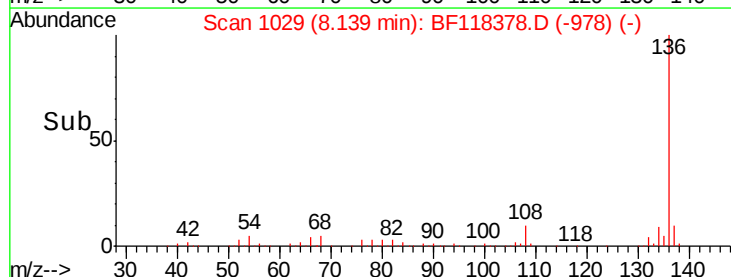
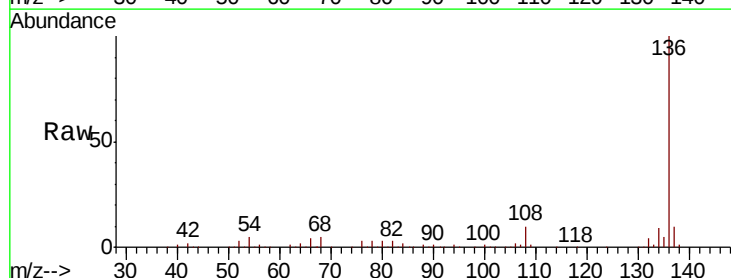
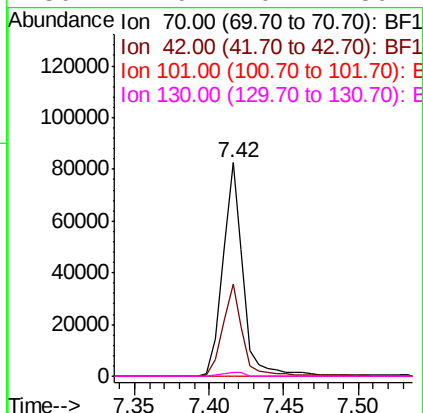




#19
n-Nitroso-di-n-propylamine
Concen: 14.213 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

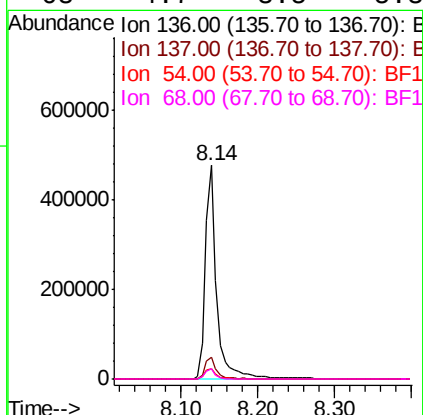
Instrument :
BNA_F
ClientSampleId :

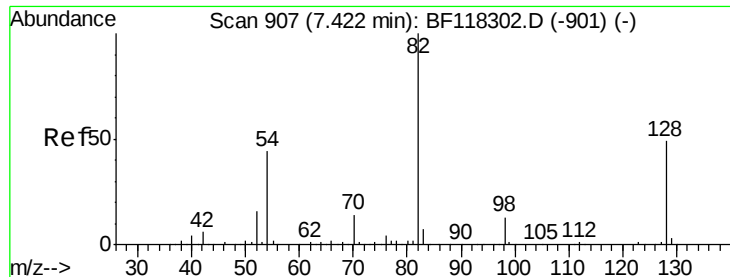
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.2	41.1	61.7
101	0.0	8.3	12.5#
130	1.9	20.1	30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	5.0	4.2	6.4
68	4.7	3.5	5.3

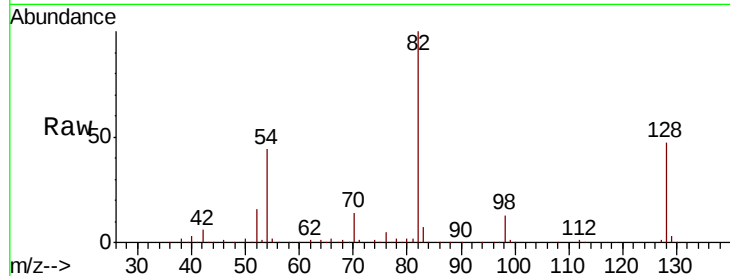




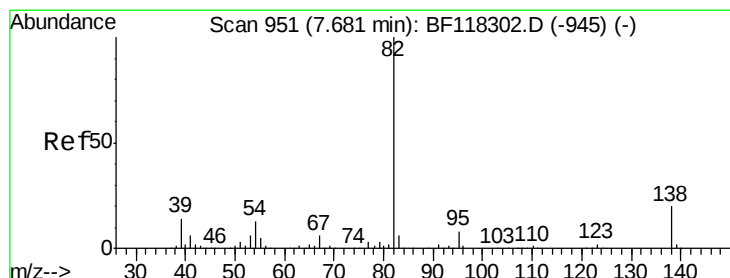
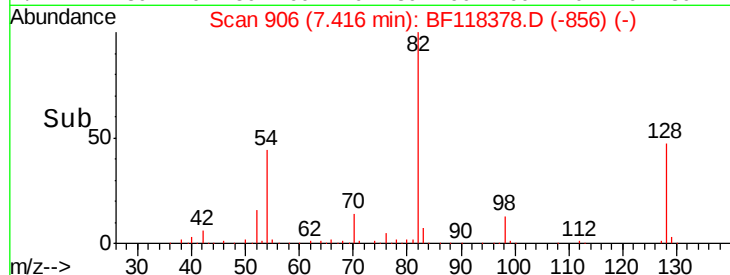
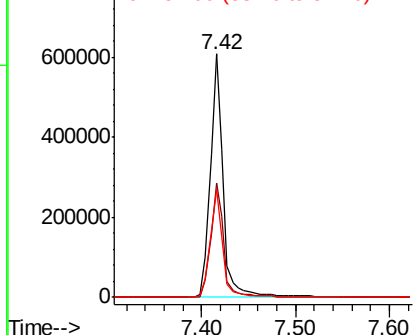
#23
Nitrobenzene-d5
Concen: 69.407 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 593492
Ion Ratio Lower Upper
82 100
128 47.0 39.6 59.4
54 44.2 34.9 52.3

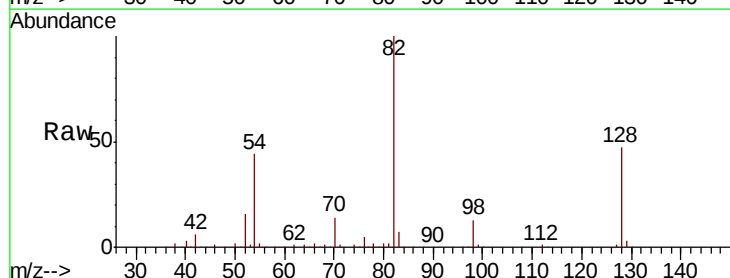


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

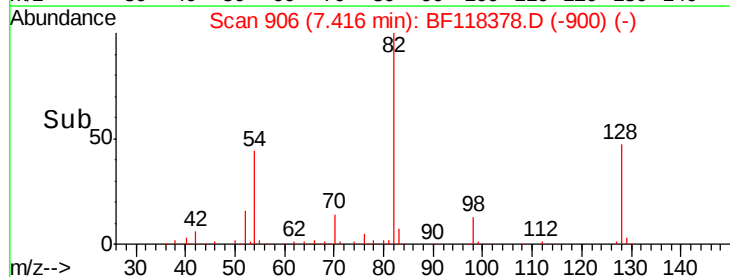
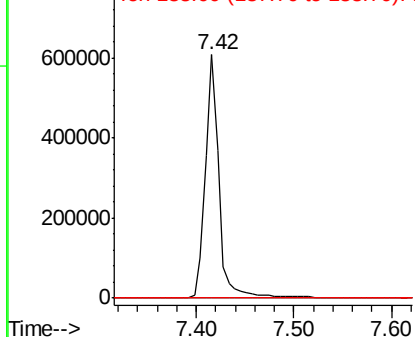


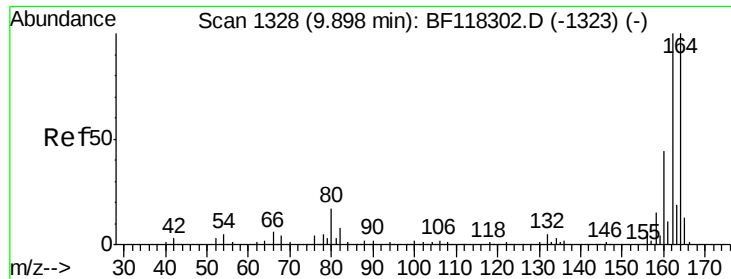
#25
Isophorone
Concen: 39.825 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Tgt Ion: 82 Resp: 593487
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): BF1

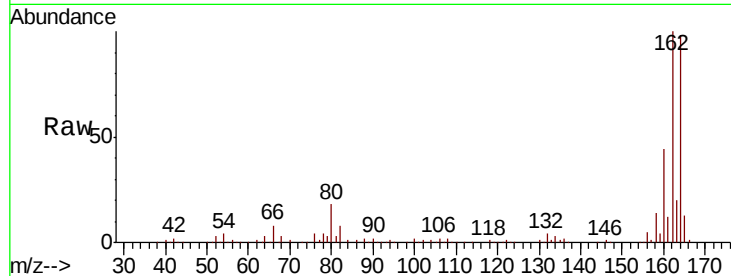




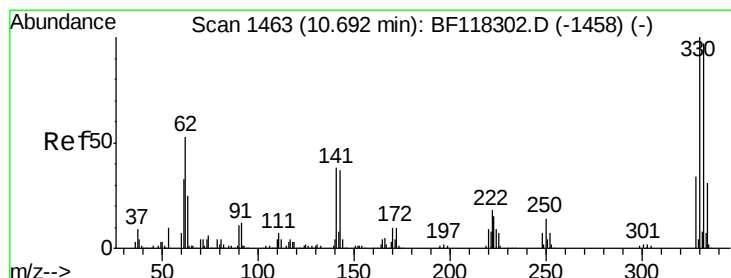
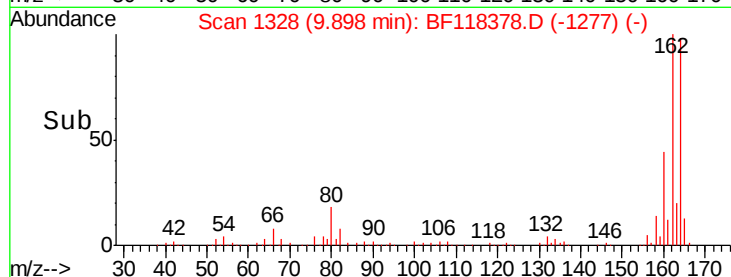
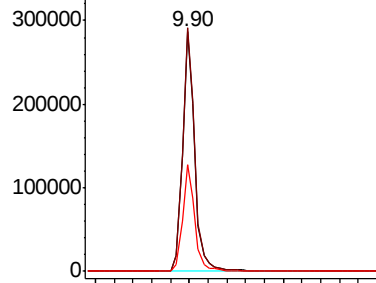
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 265046
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 44.6 34.8 52.2

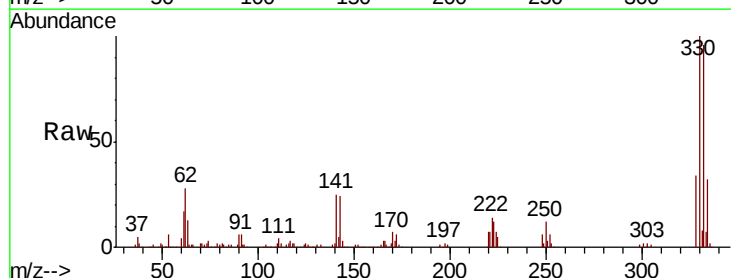


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

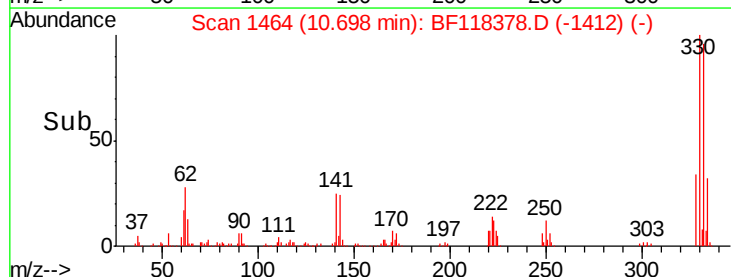
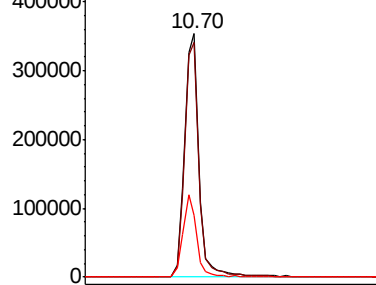


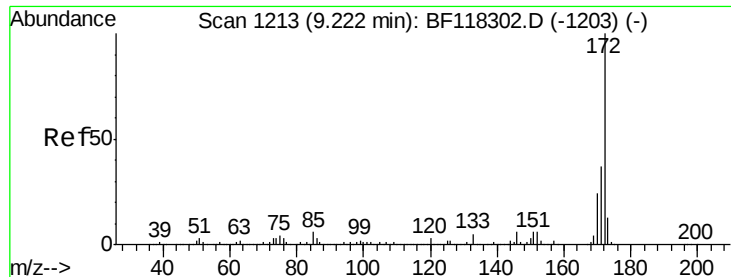
#42
2,4,6-Tribromophenol
Concen: 111.044 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Tgt Ion:330 Resp: 363461
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 32.6 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

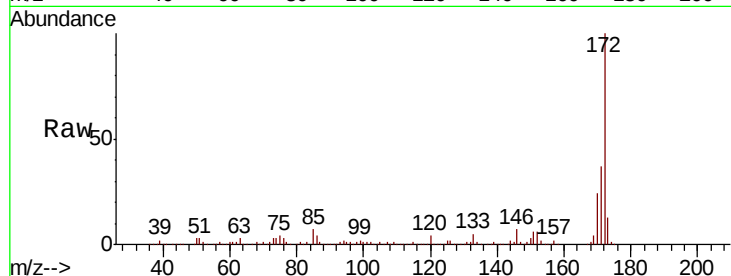




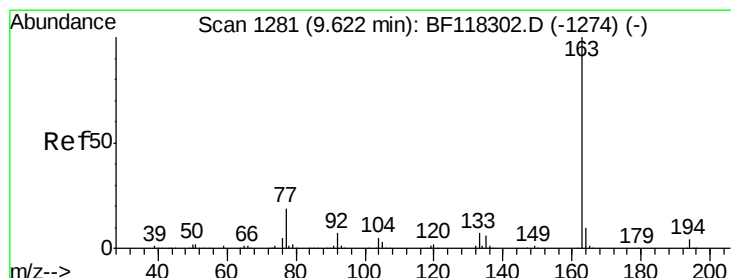
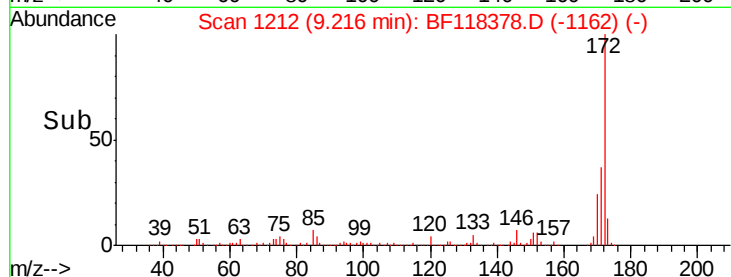
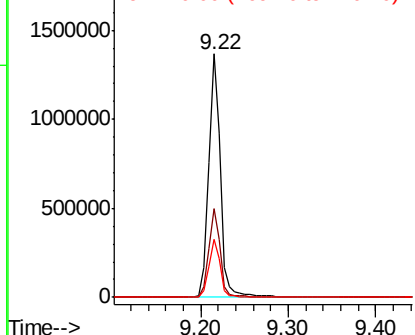
#45
2-Fluorobiphenyl
Concen: 73.510 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1276380
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 23.8 19.2 28.8

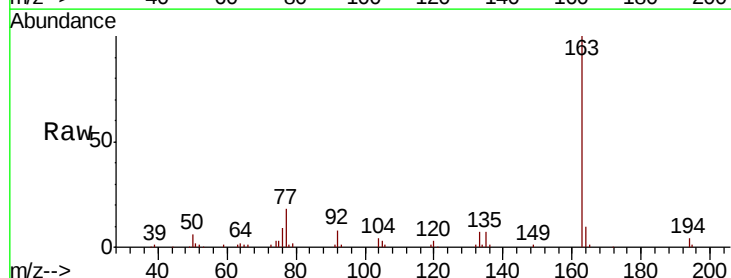


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

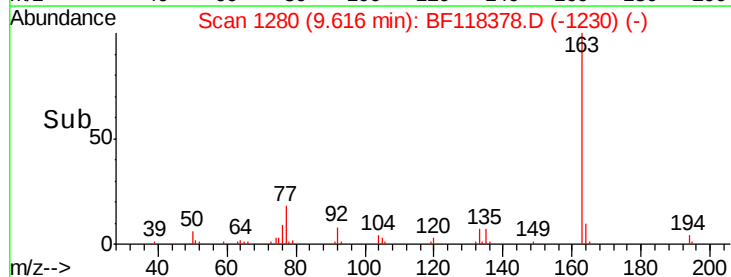
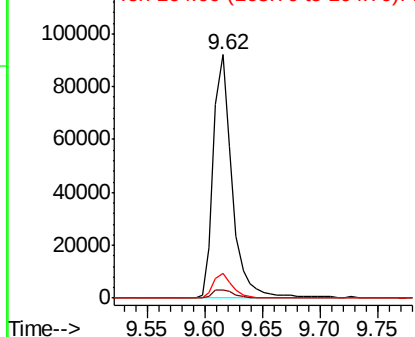


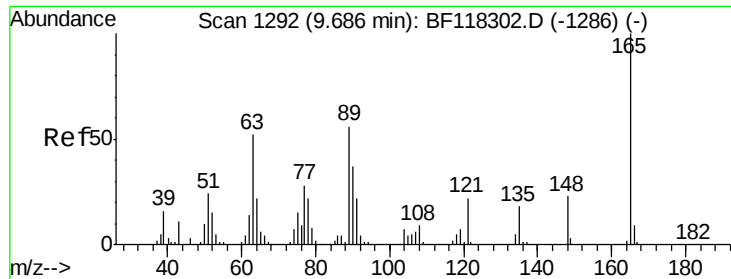
#50
Dimethylphthalate
Concen: 5.268 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Tgt Ion:163 Resp: 104810
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.4 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: 7.871 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118378.D

Acq: 28 Dec 2019 21:18

Instrument :

BNA_F

ClientSampled :

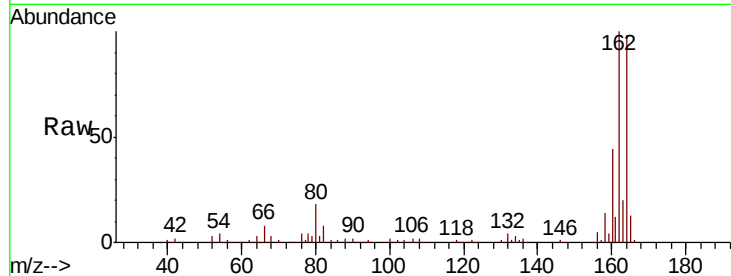
Tot Ion:165 Resp: 33762

Ion Ratio Lower Upper

165 100

63 1.3 42.2 63.4#

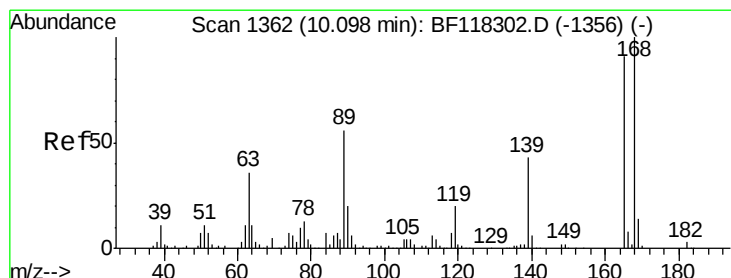
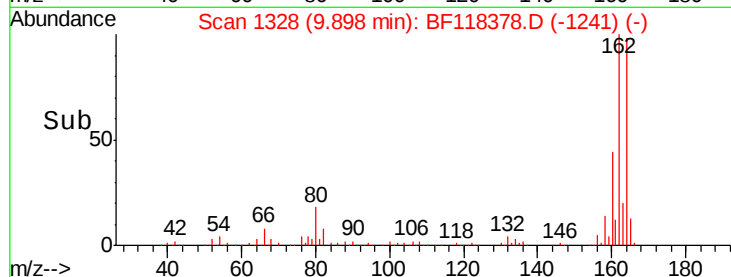
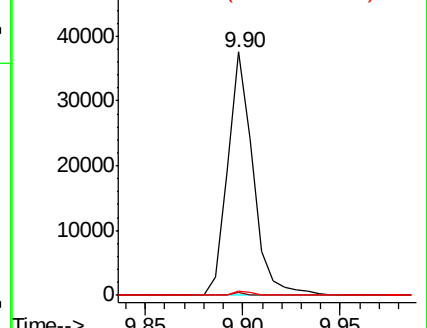
89 1.5 44.4 66.6#



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: 5.891 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118378.D

Acq: 28 Dec 2019 21:18

Tgt Ion:165 Resp: 33762

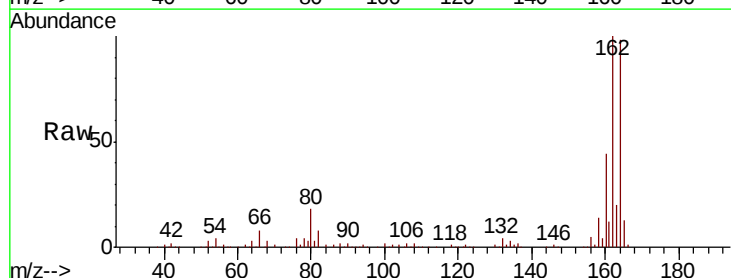
Ion Ratio Lower Upper

165 100

63 1.3 32.0 48.0#

89 1.5 49.3 73.9#

182 0.0 2.4 3.6#

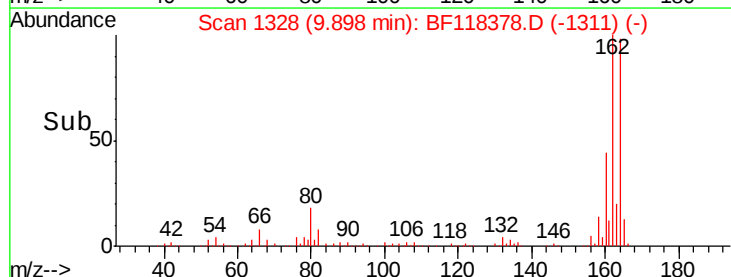
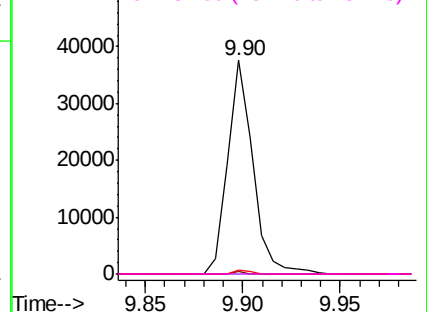


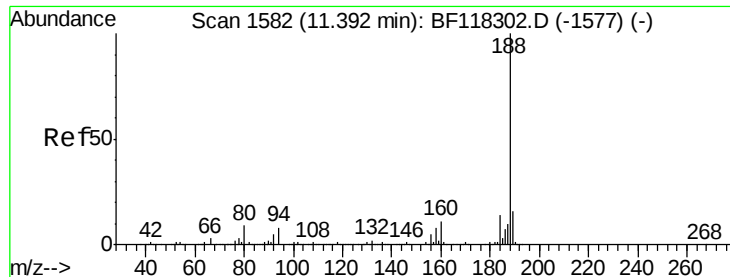
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

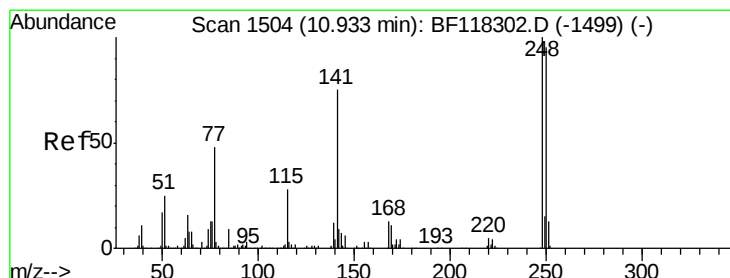
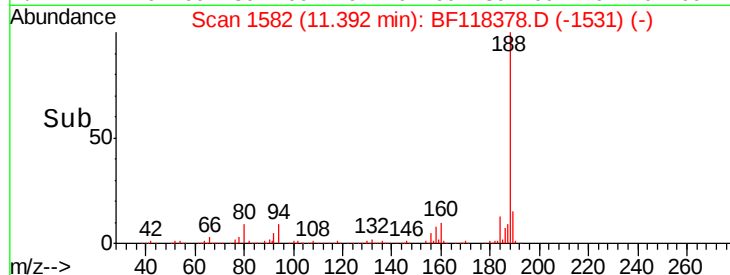
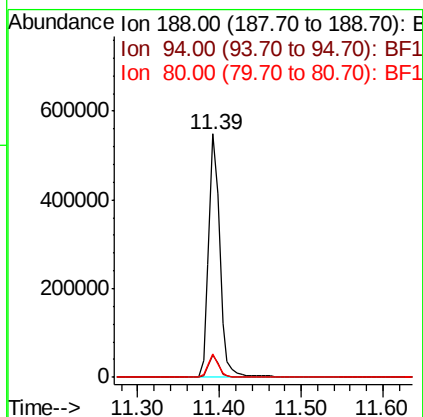
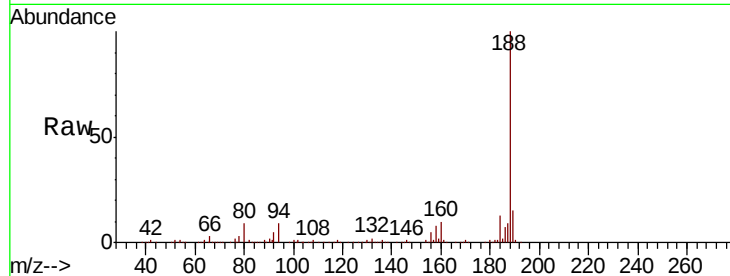




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

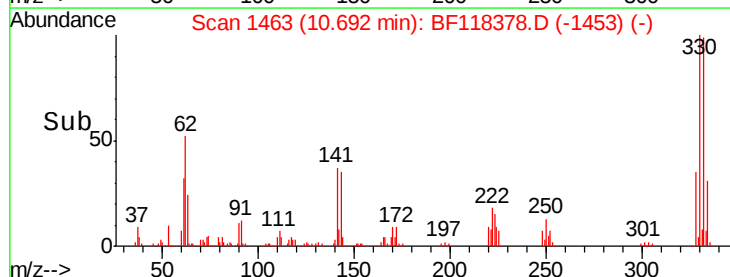
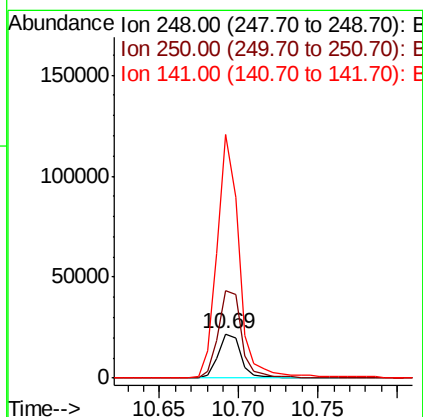
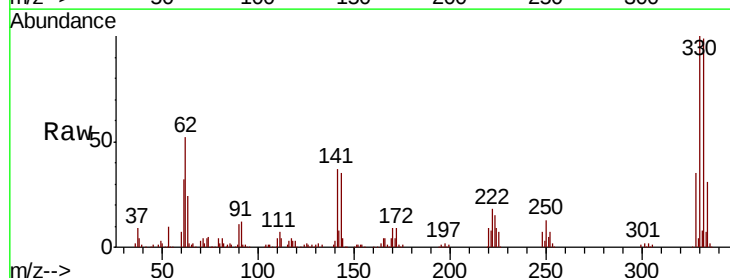
Instrument :
BNA_F
ClientSampleId :

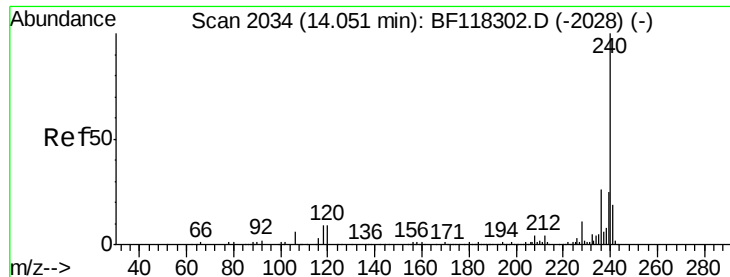
Tot Ion:188 Resp: 525327
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.4 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 3.600 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Tgt Ion:248 Resp: 22130
Ion Ratio Lower Upper
248 100
250 198.7 76.4 114.6#
141 551.0 60.2 90.2#

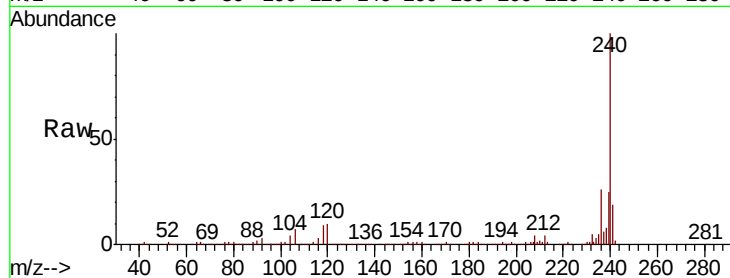




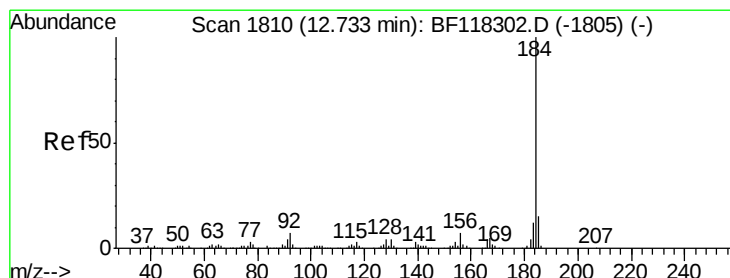
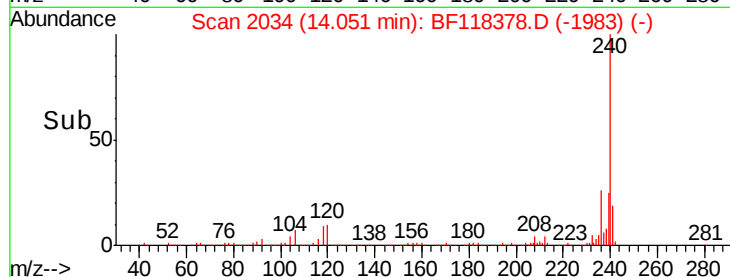
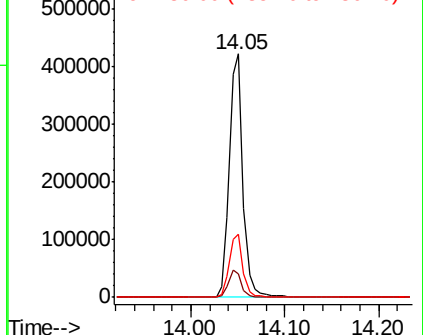
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 424625
Ion Ratio Lower Upper
240 100
120 9.9 7.1 10.7
236 26.1 21.0 31.6

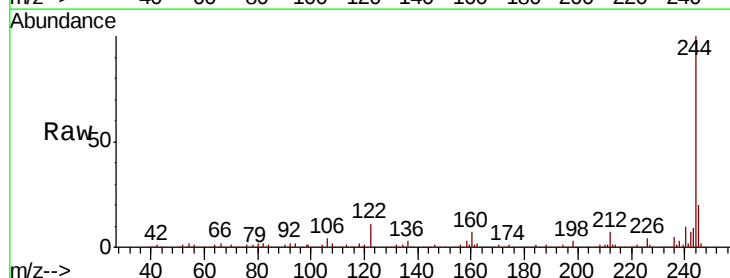


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

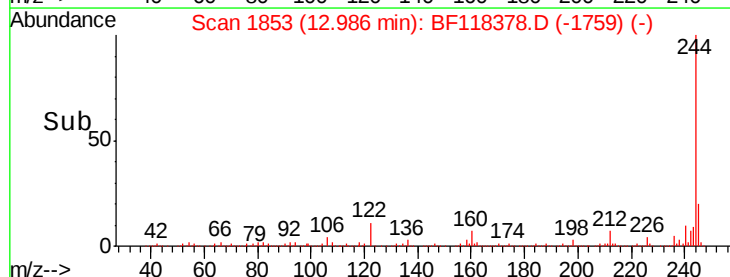
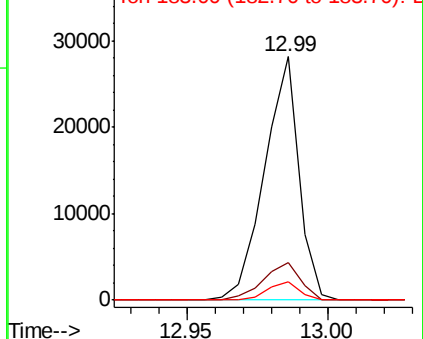


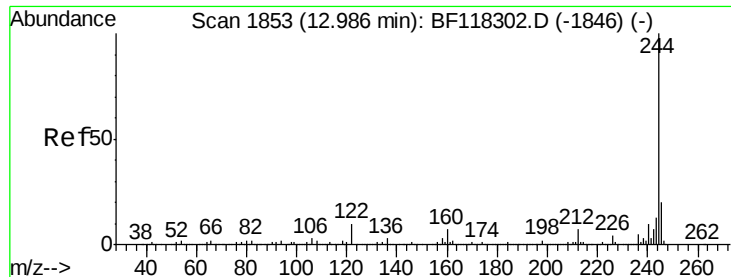
#77
Benzidine
Concen: 2.047 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.25 min
Lab File: BF118378.D
Acq: 28 Dec 2019 21:18

Tgt Ion:184 Resp: 23822
Ion Ratio Lower Upper
184 100
185 15.4 12.3 18.5
183 7.4 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 67.440 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118378.D

Acq: 28 Dec 2019 21:18

Instrument :

BNA_F

ClientSampleId :

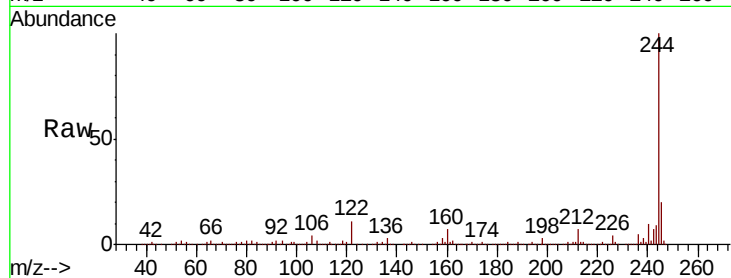
Tot Ion:244 Resp: 1726117

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

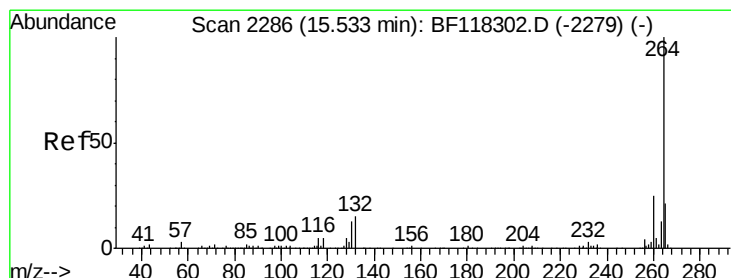
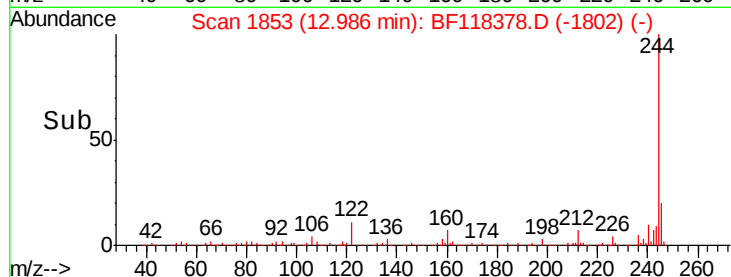
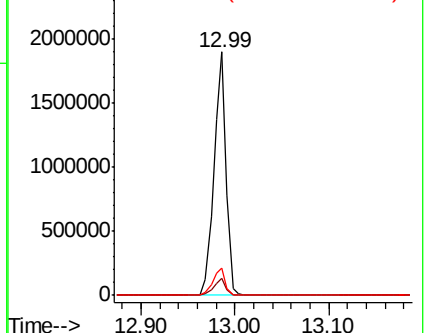
122 11.4 7.8 11.8



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: BF118378.D

Acq: 28 Dec 2019 21:18

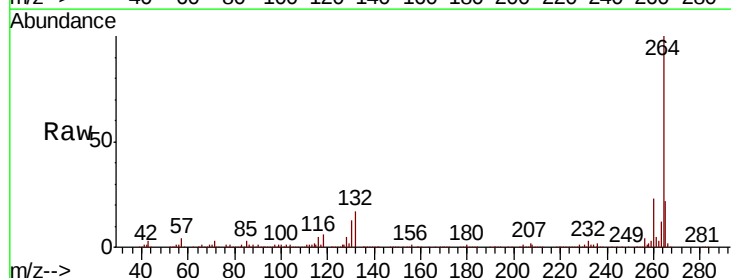
Tgt Ion:264 Resp: 421924

Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 21.5 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

