

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118187.D
 Acq On : 13 Dec 2019 15:43
 Operator : JU
 Sample : K5674-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

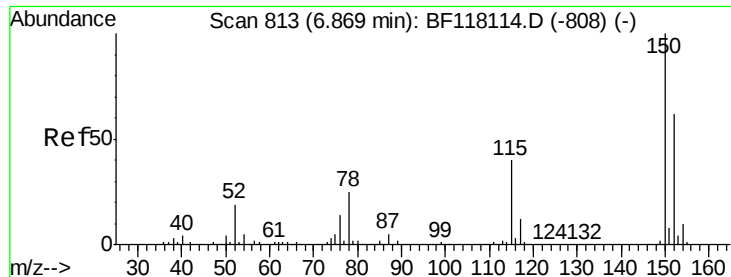
Quant Time: Dec 13 22:46:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	110791	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	396220	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	187527	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	265278	20.00	ng	0.03
76) Chrysene-d12	14.17	240	193400	20.00	ng	0.10
87) Perylene-d12	15.63	264	292046	20.00	ng	0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	286072	45.22	ng	0.00
7) Phenol-d6	6.49	99	217232	28.39	ng	0.00
23) Nitrobenzene-d5	7.43	82	523799	74.37	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	241568	106.04	ng	0.01
45) 2-Fluorobiphenyl	9.24	172	1065400	86.45	ng	0.00
79) Terphenyl-d14	13.09	244	603780	53.69	ng	0.09

Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	844	Below Cal	#	70
10) Phenol	6.50	94	37795	4.332	ng	91
15) Benzyl Alcohol	7.02	79	12264	2.053	ng	53
25) Isophorone	7.77	82	24680	2.067	ng	68
35) Caprolactam	8.57	113	7505	4.232	ng	32
48) 2-Nitroaniline	9.59	65	51552	15.195	ng	18
50) Dimethylphthalate	9.63	163	41919	3.026	ng	95
60) Diethylphthalate	10.34	149	37732	2.765	ng	88
66) n-Nitrosodiphenylamine	10.59	169	20509	2.476	ng	90
70) Pentachlorophenol	11.25	266	7526	4.490	ng	72
74) Di-n-butylphthalate	12.01	149	85627	5.421	ng	60
82) 3,3'-Dichlorobenzidine	14.10	252	12938	2.946	ng	1
84) Bis(2-ethylhexyl)phthalate	14.10	149	792991	87.128	ng	91
85) Di-n-octyl phthalate	14.73	149	224332	16.271	ng	74

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

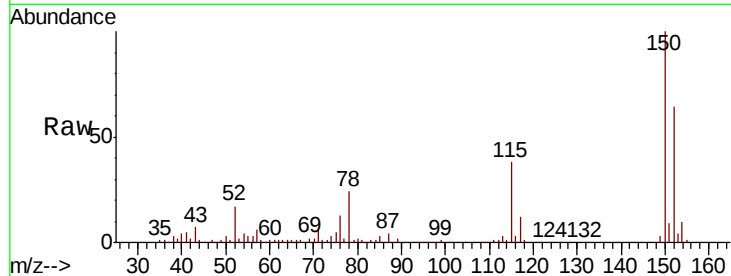


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	128.3	192.5
115	60.0	51.1	76.7

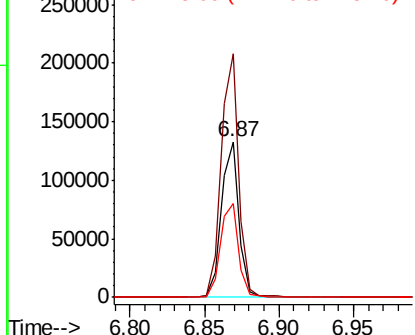
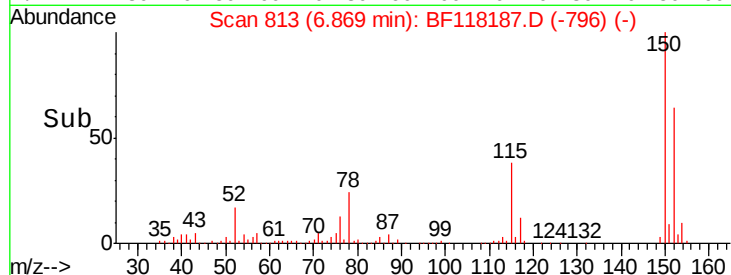


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

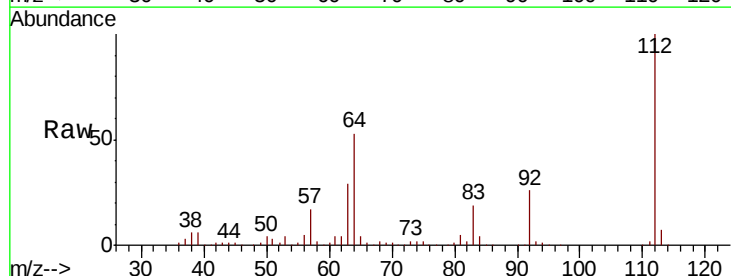
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.224 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.3	61.9
63	29.3	22.4	33.6

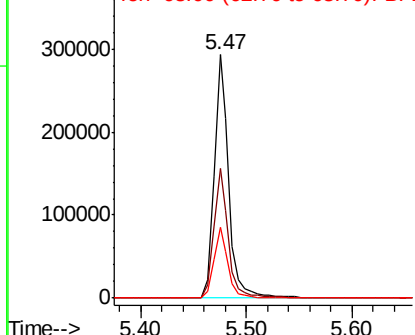
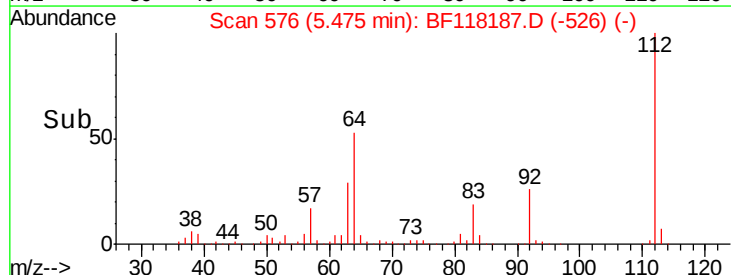


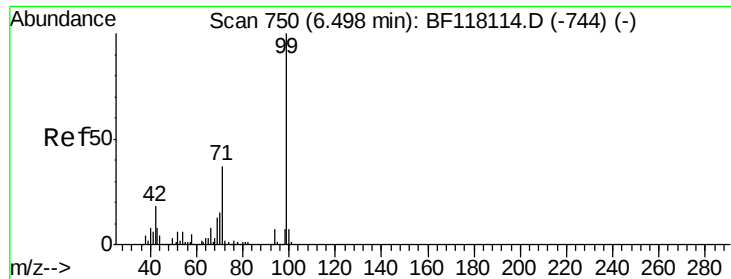
Abundance

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: 28.393 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

Instrument :

BNA_F

ClientSampleId :

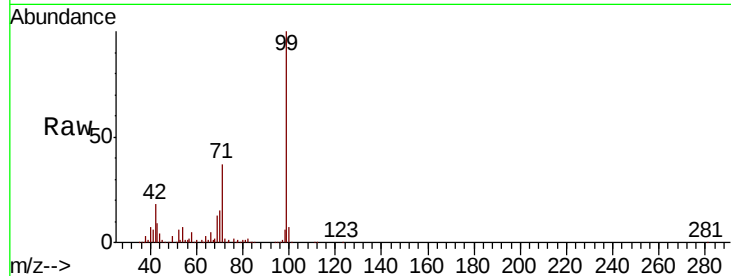
Tot Ion: 99 Resp: 217232

Ion Ratio Lower Upper

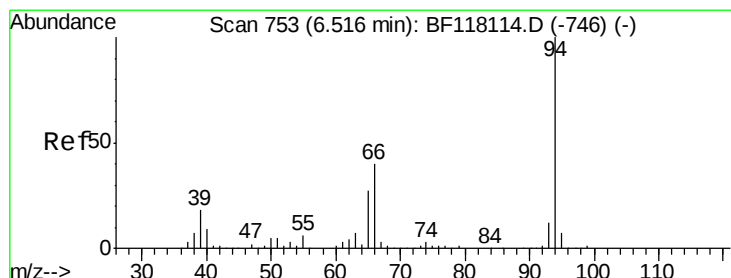
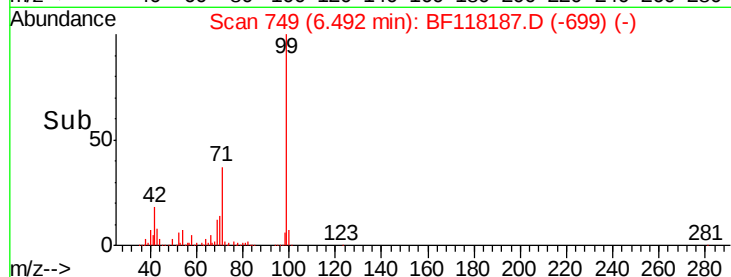
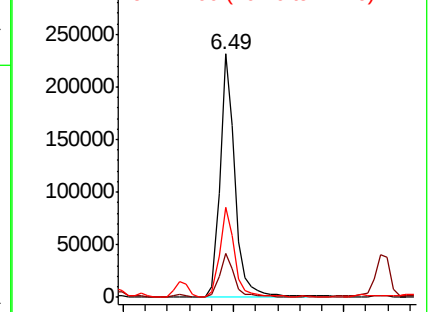
99 100

42 18.2 14.1 21.1

71 37.0 29.7 44.5



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: 4.332 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

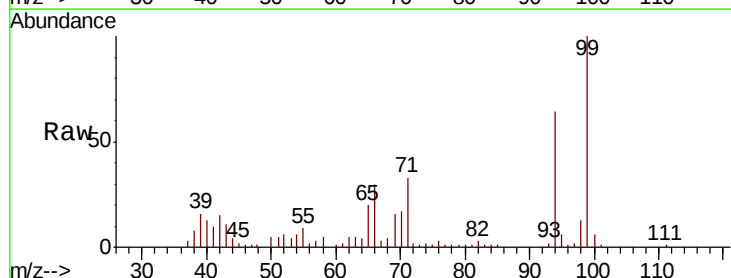
Tgt Ion: 94 Resp: 37795

Ion Ratio Lower Upper

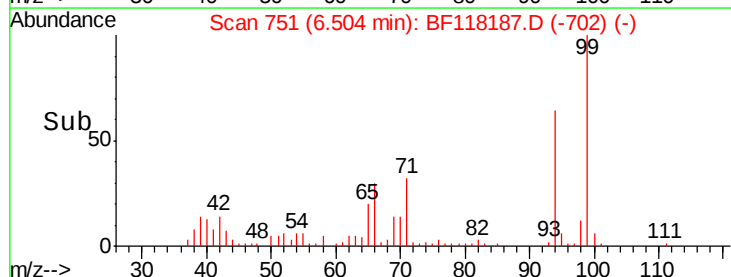
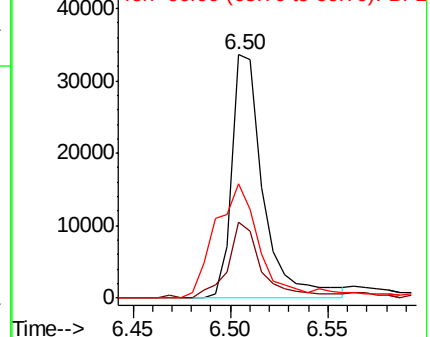
94 100

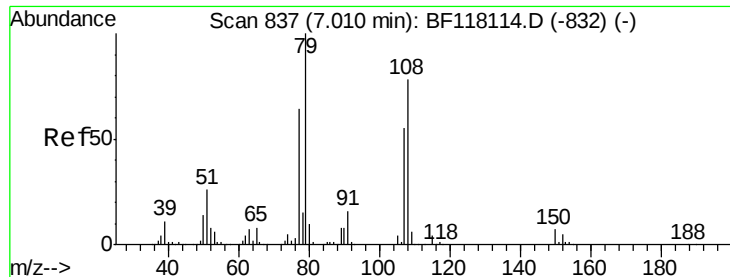
65 31.1 7.3 47.3

66 47.0 20.2 60.2



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: 2.053 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

Instrument :

BNA_F

ClientSampleId :

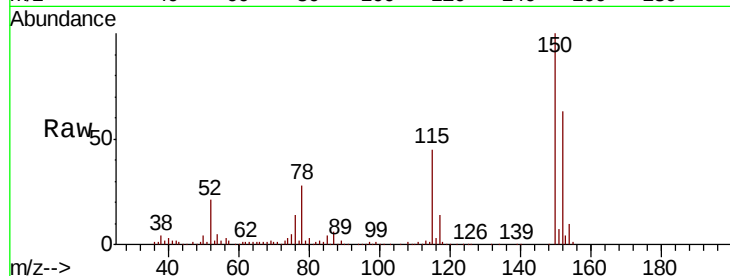
Tot Ion: 79 Resp: 12264

Ion Ratio Lower Upper

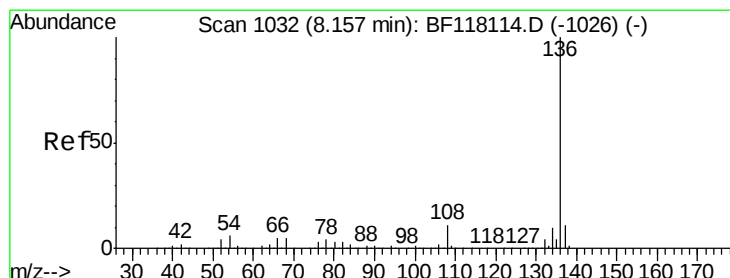
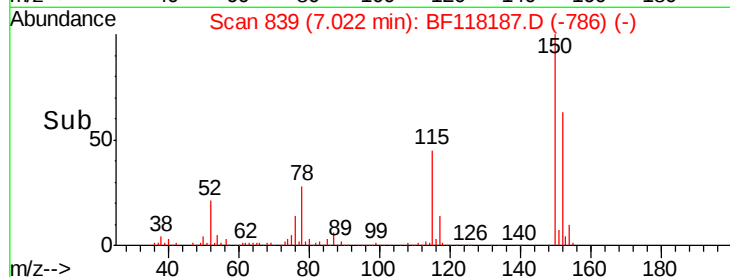
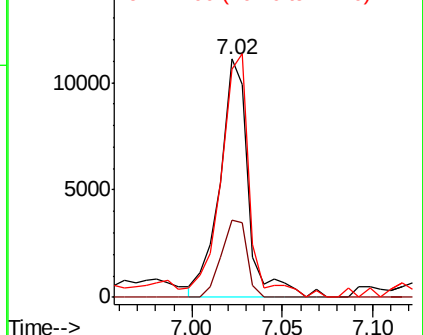
79 100

108 32.3 62.7 94.1#

77 95.8 51.4 77.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

Tgt Ion: 136 Resp: 396220

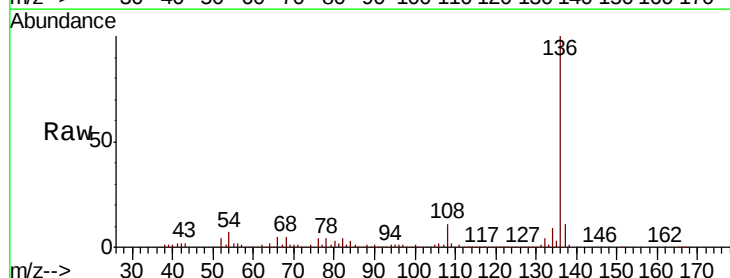
Ion Ratio Lower Upper

136 100

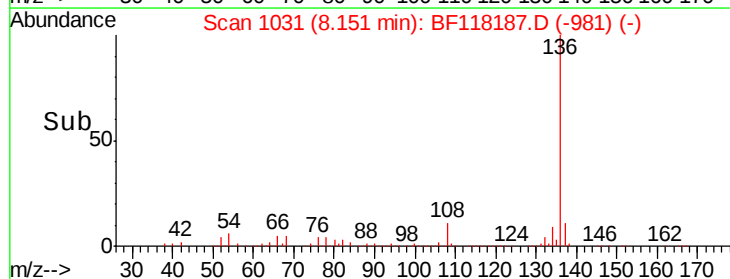
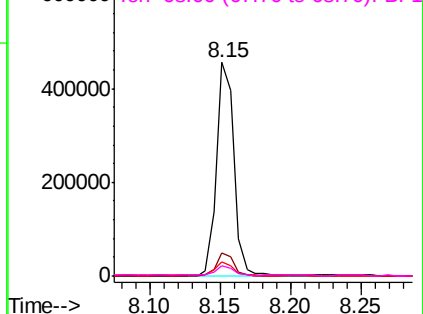
137 10.9 9.0 13.6

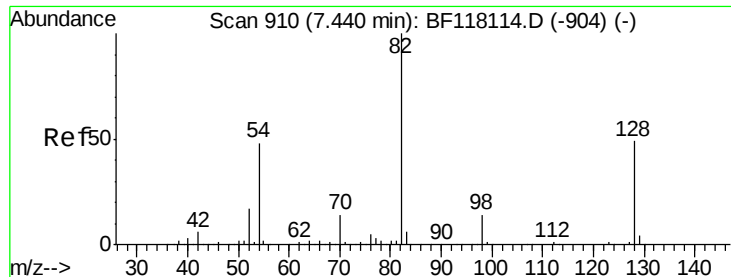
54 6.7 5.0 7.6

68 4.9 3.8 5.8



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

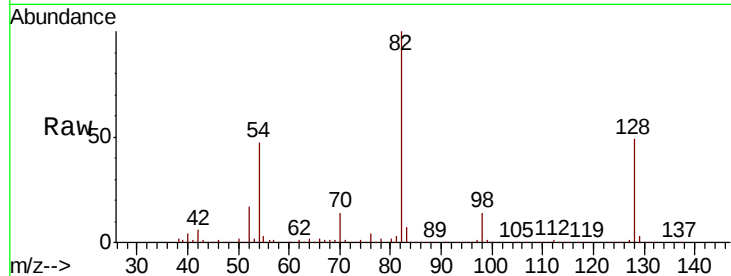




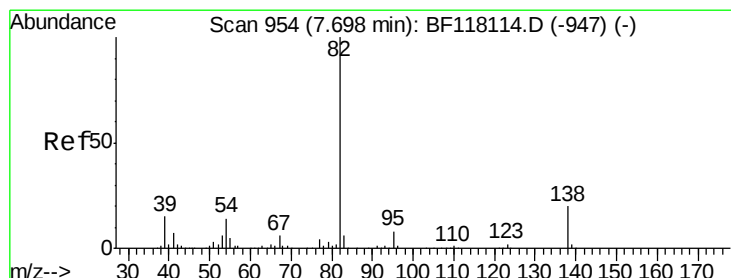
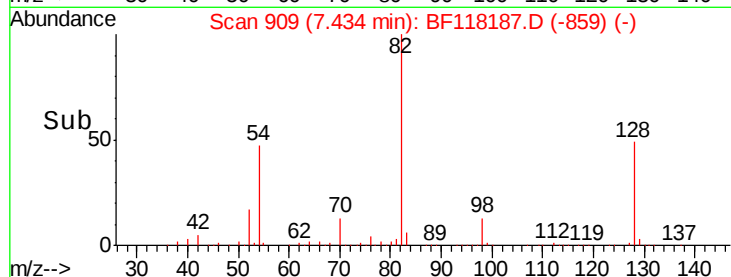
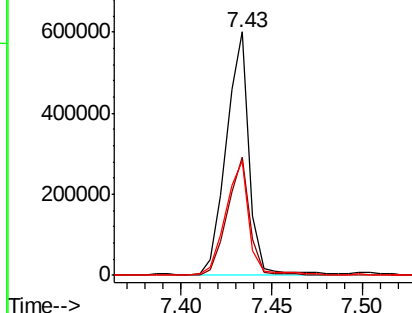
#23
Nitrobenzene-d5
Concen: 74.372 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 523799
Ion Ratio Lower Upper
82 100
128 48.5 39.1 58.7
54 47.0 38.2 57.2

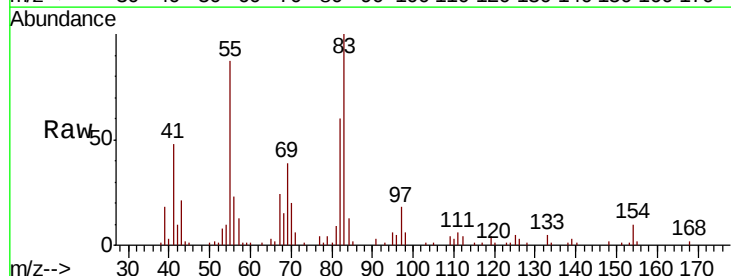


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

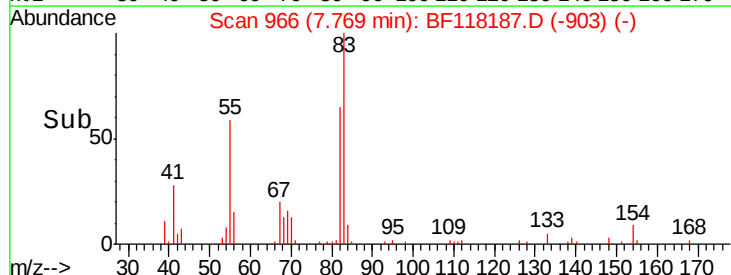
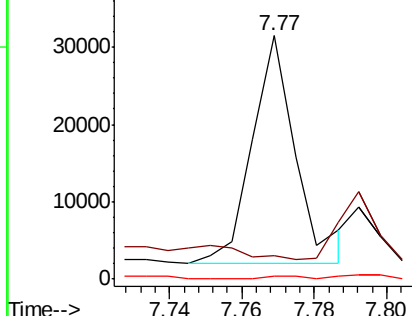


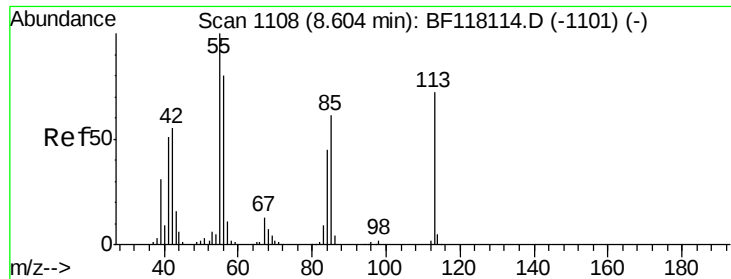
#25
Isophorone
Concen: 2.067 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.07 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Tgt Ion: 82 Resp: 24680
Ion Ratio Lower Upper
82 100
95 9.8 6.3 9.5#
138 1.0 16.3 24.5#



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

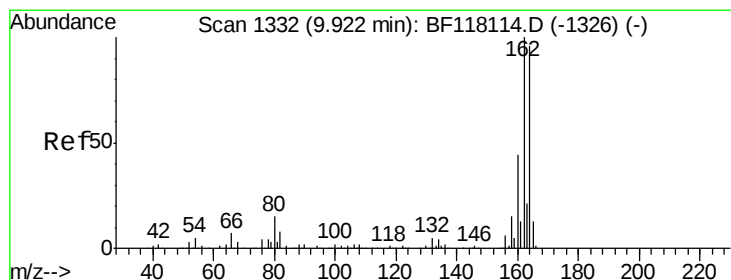
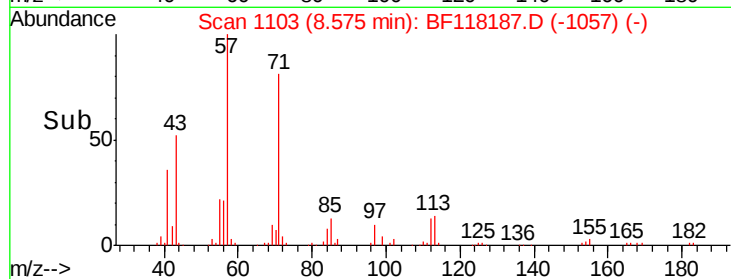
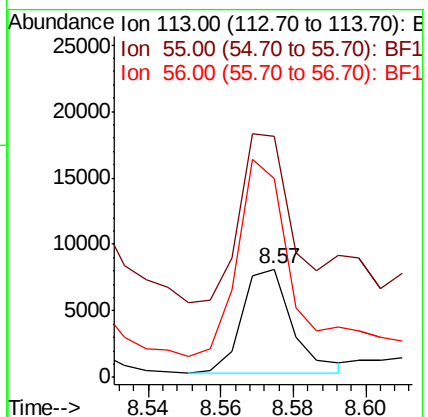
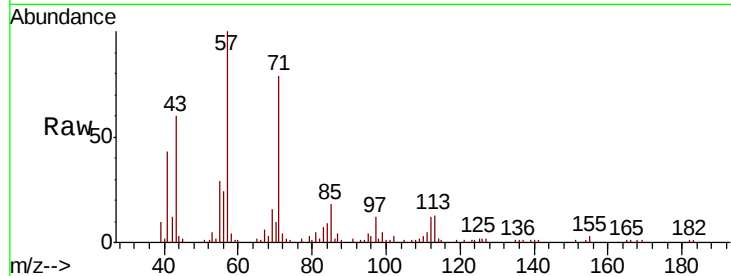




#35
 Caprolactam
 Concen: 4.232 ng
 RT: 8.57 min Scan# 1103
 Delta R.T. -0.03 min
 Lab File: BF118187.D
 Acq: 13 Dec 2019 15:43

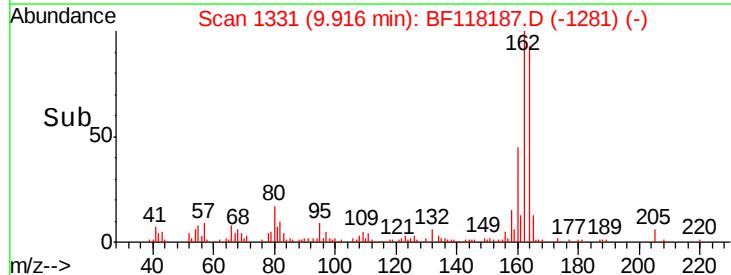
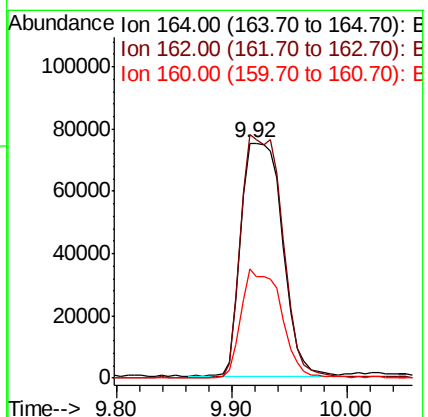
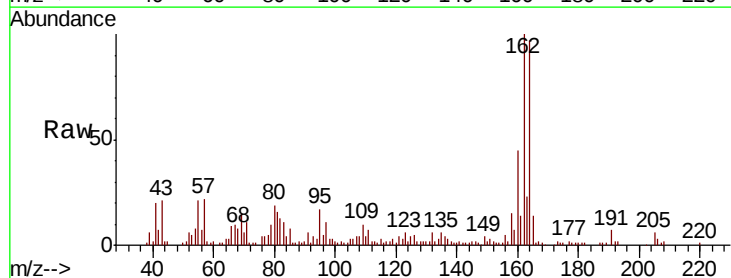
Instrument :
 BNA_F
 ClientSampled :

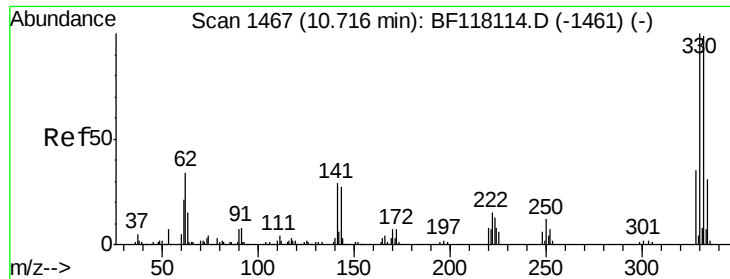
Tot Ion:113 Resp: 7505
 Ion Ratio Lower Upper
 113 100
 55 222.5 118.9 158.9#
 56 183.6 91.4 131.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118187.D
 Acq: 13 Dec 2019 15:43

Tgt Ion:164 Resp: 187527
 Ion Ratio Lower Upper
 164 100
 162 103.6 83.4 125.0
 160 46.5 36.6 54.8

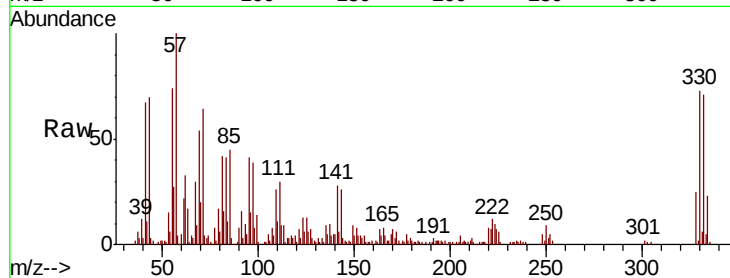




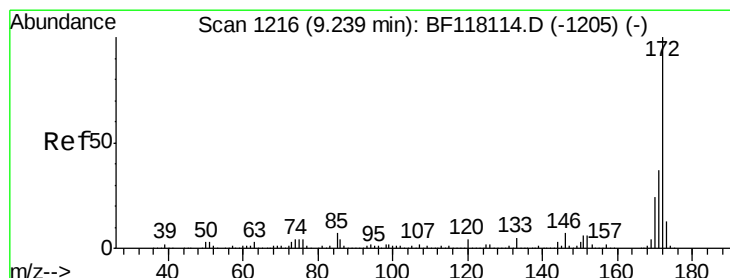
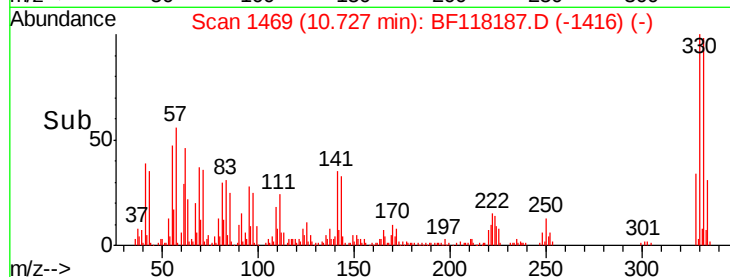
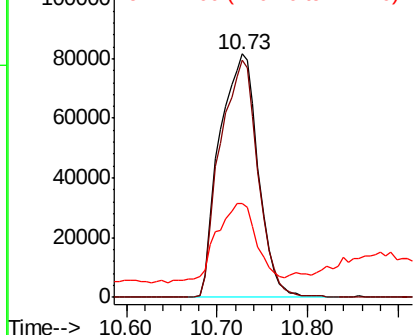
#42
 2,4,6-Tribromophenol
 Concen: 106.039 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF118187.D
 Acq: 13 Dec 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 241568
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.1 117.1
 141 30.7 26.9 40.3

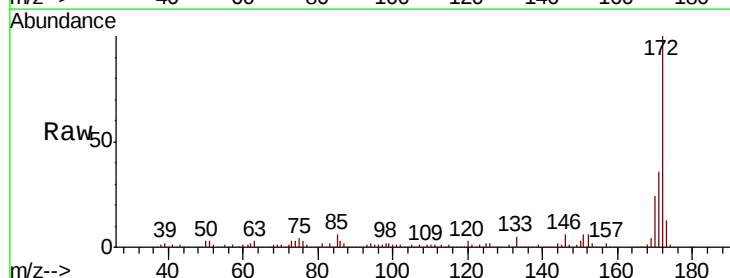


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

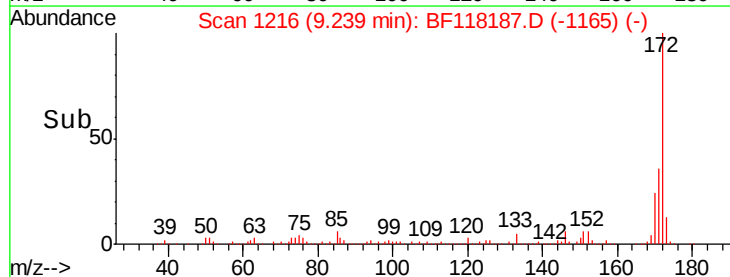
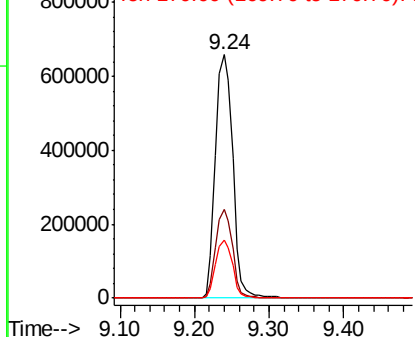


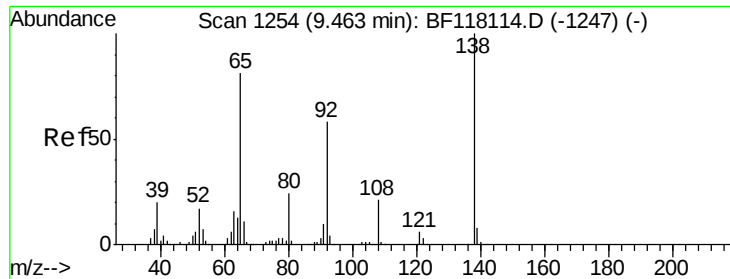
#45
 2-Fluorobiphenyl
 Concen: 86.449 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF118187.D
 Acq: 13 Dec 2019 15:43

Tgt Ion:172 Resp: 1065400
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 23.8 19.4 29.2



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

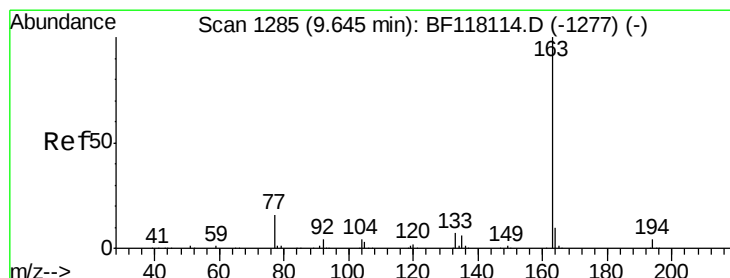
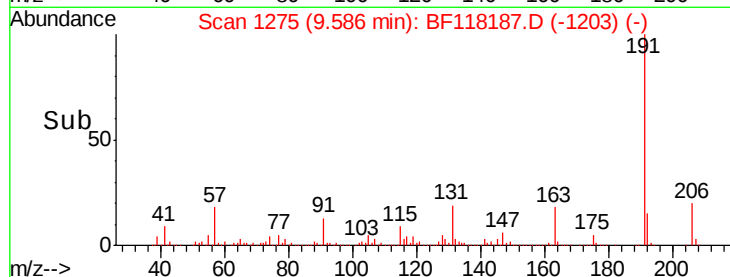
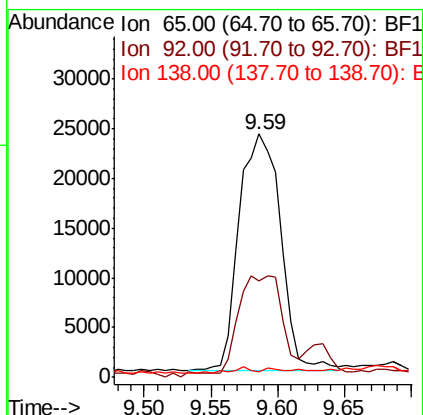
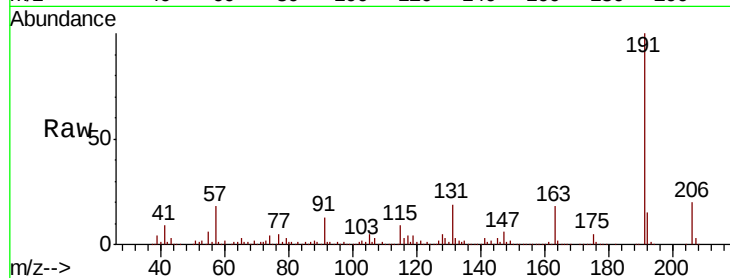




#48
2-Nitroaniline
Concen: 15.195 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.12 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

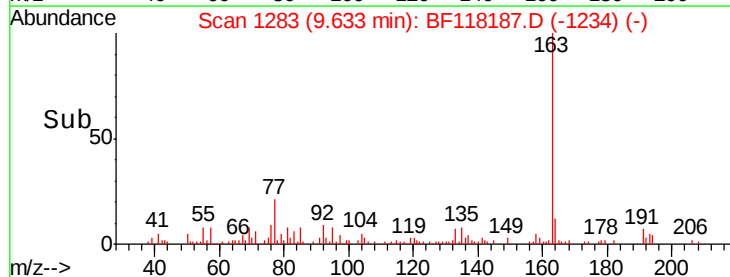
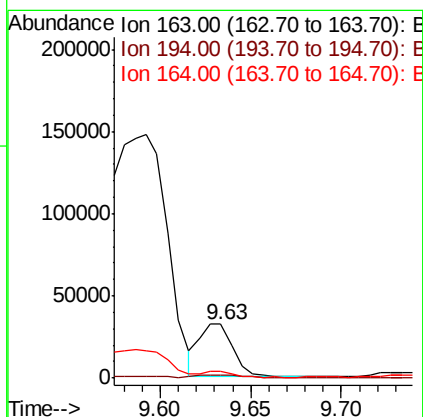
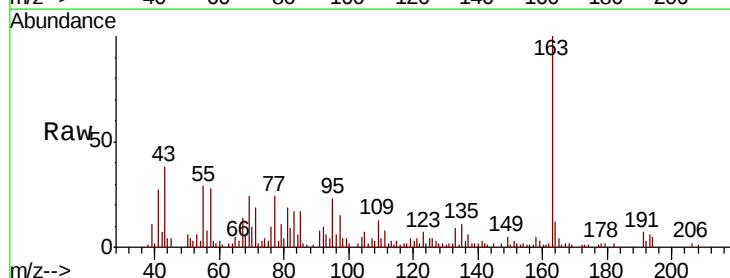
Instrument :
BNA_F
ClientSampleId :

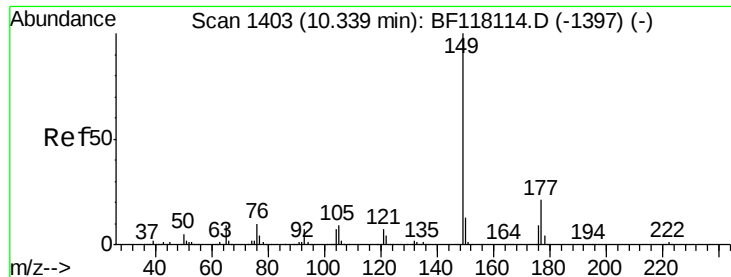
Tot Ion: 65 Resp: 51552
Ion Ratio Lower Upper
65 100
92 39.5 57.8 86.6#
138 2.3 98.8 148.2#



#50
Dimethylphthalate
Concen: 3.026 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Tgt Ion: 163 Resp: 41919
Ion Ratio Lower Upper
163 100
194 5.3 3.1 4.7#
164 11.6 7.7 11.5#

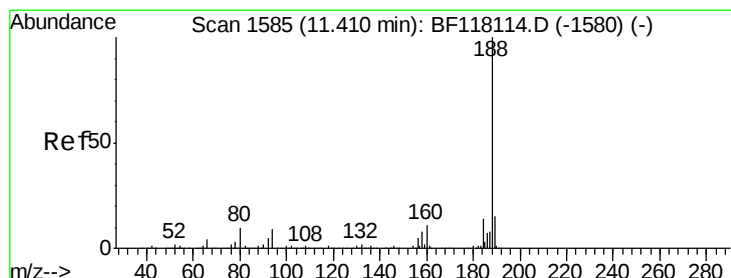
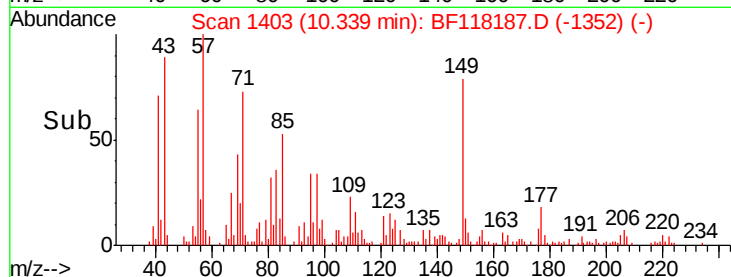
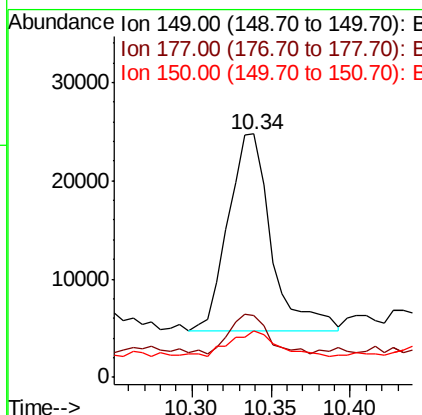
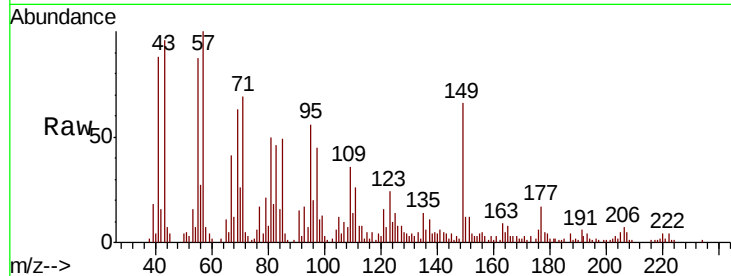




#60
Diethylphthalate
Concen: 2.765 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

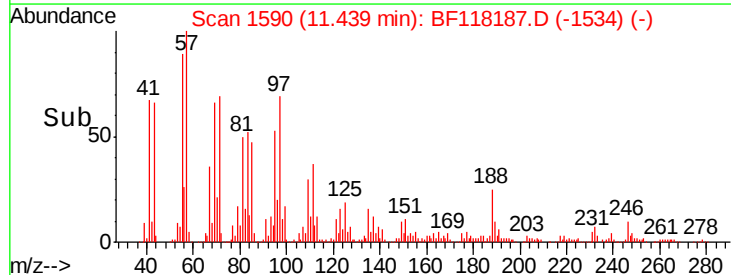
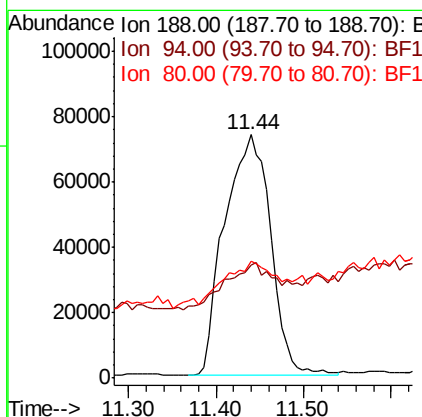
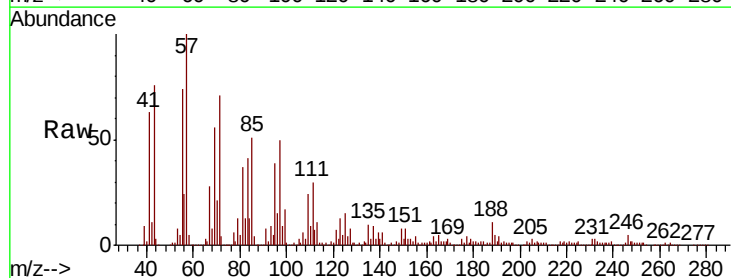
Instrument :
BNA_F
ClientSampleId :

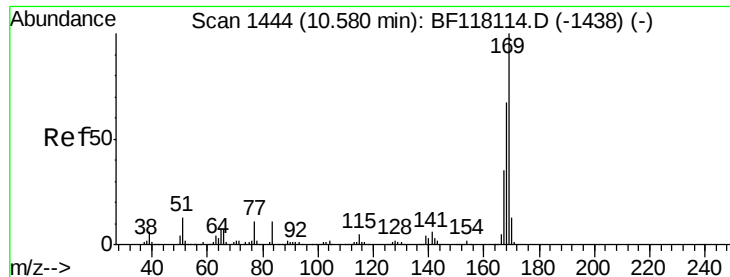
Tot Ion:149 Resp: 37732
Ion Ratio Lower Upper
149 100
177 25.6 17.0 25.4#
150 19.0 10.1 15.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.03 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Tgt Ion:188 Resp: 265278
Ion Ratio Lower Upper
188 100
94 46.5 7.1 10.7#
80 48.0 7.9 11.9#

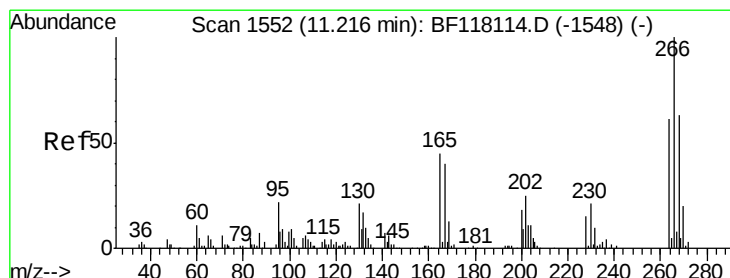
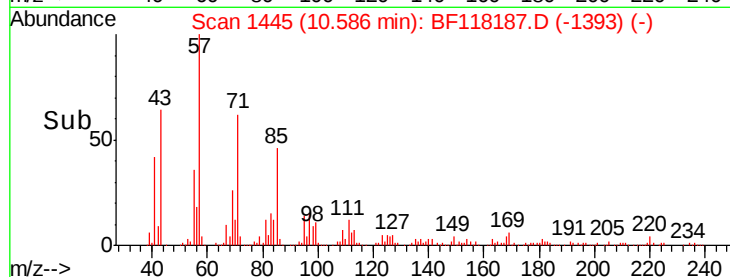
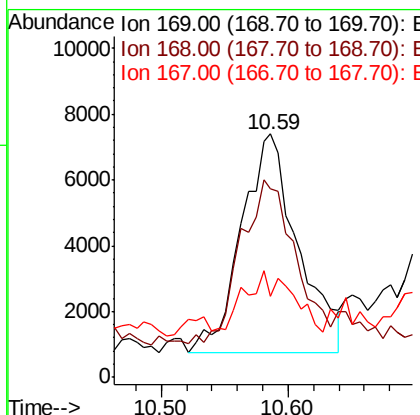
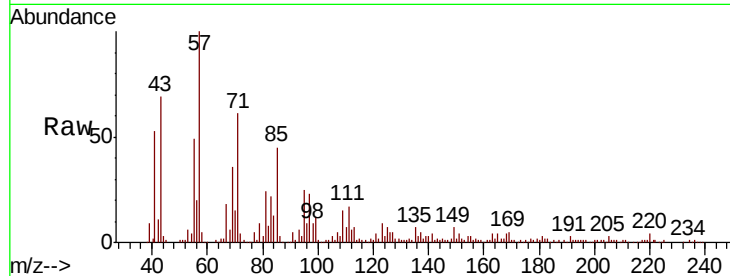




#66
n-Nitrosodiphenylamine
Concen: 2.476 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.01 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

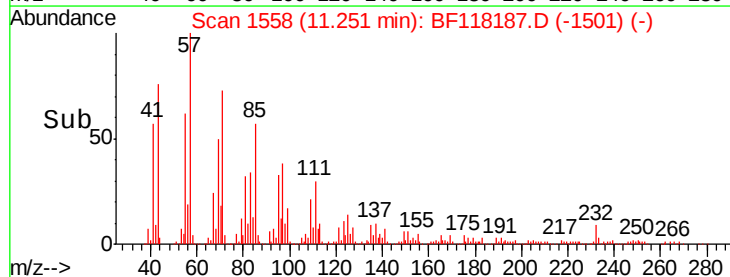
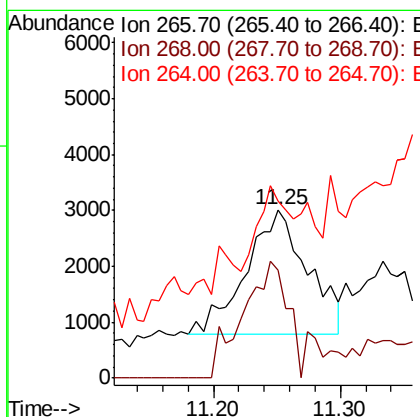
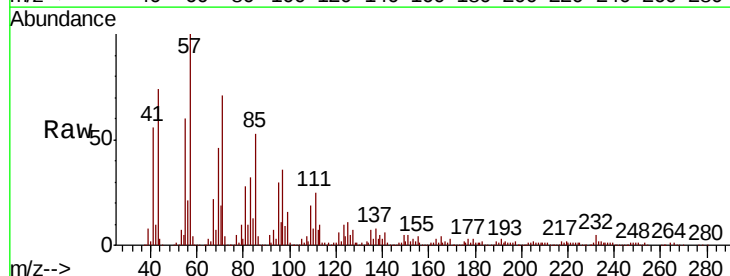
Instrument :
BNA_F
ClientSampled :

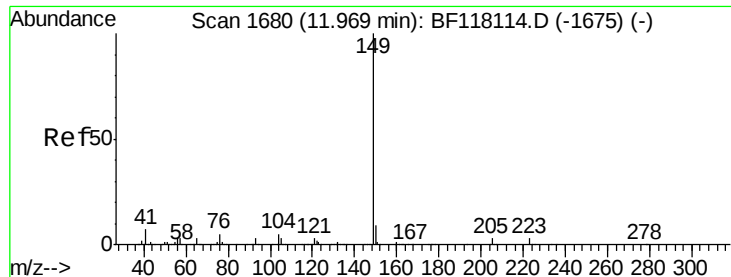
Tot Ion	Ratio	Lower	Upper
169	100		
168	77.2	53.4	80.2
167	33.3	28.4	42.6



#70
Pentachlorophenol
Concen: 4.490 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.04 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.7	76.1
264	104.6	48.7	73.1#





#74

Di-n-butylphthalate

Concen: 5.421 ng

RT: 12.01 min Scan# 1687

Delta R.T. 0.04 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

Instrument :

BNA_F

ClientSampleId :

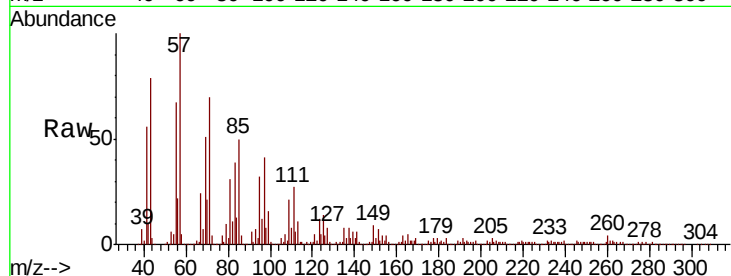
Tot Ion:149 Resp: 85627

Ion Ratio Lower Upper

149 100

150 31.6 7.4 11.2#

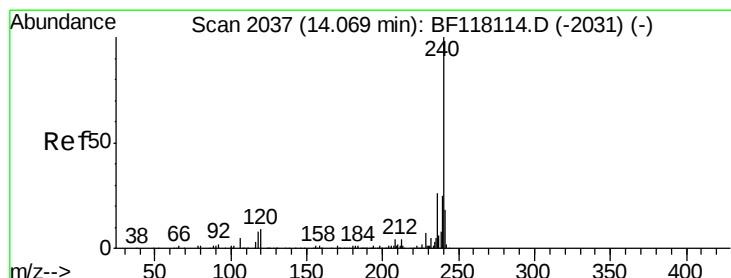
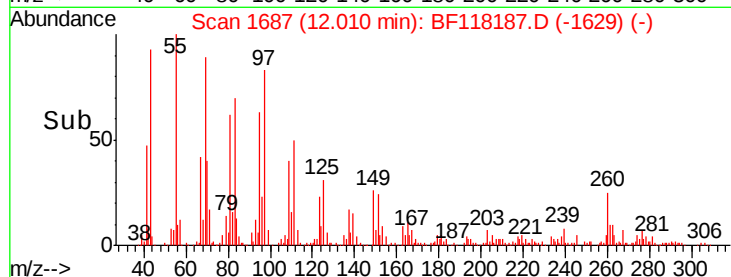
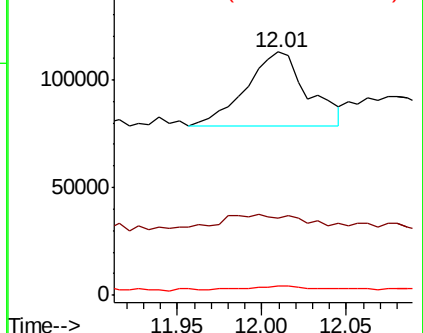
104 3.9 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.10 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

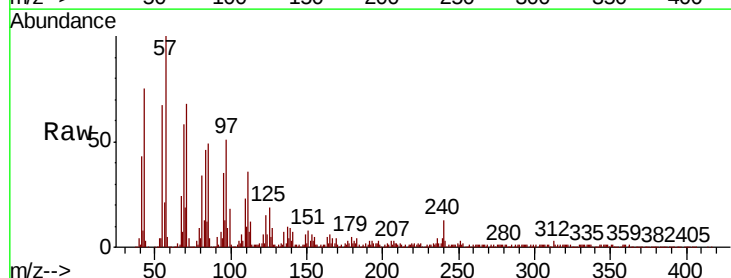
Tgt Ion:240 Resp: 193400

Ion Ratio Lower Upper

240 100

120 15.0 7.1 10.7#

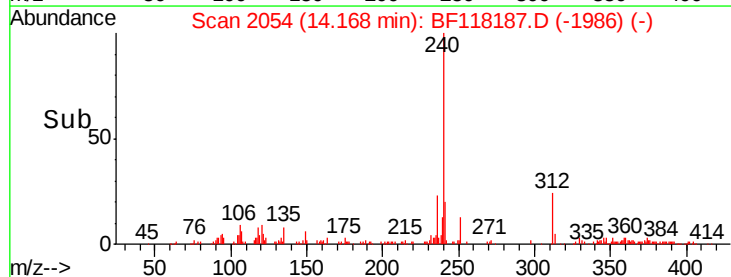
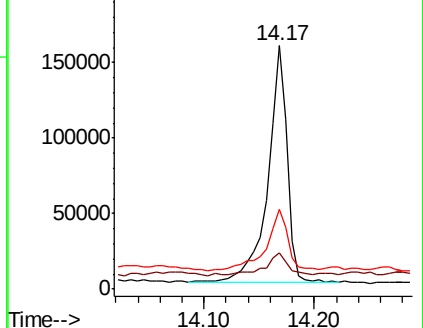
236 32.8 21.0 31.6#

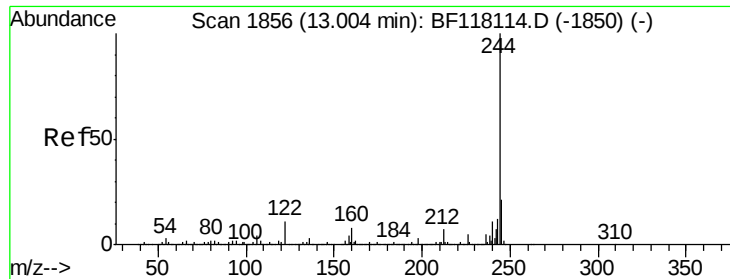


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 53.685 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.09 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

Instrument :

BNA_F

ClientSampled :

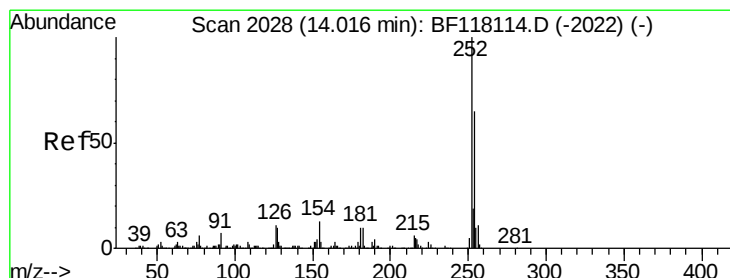
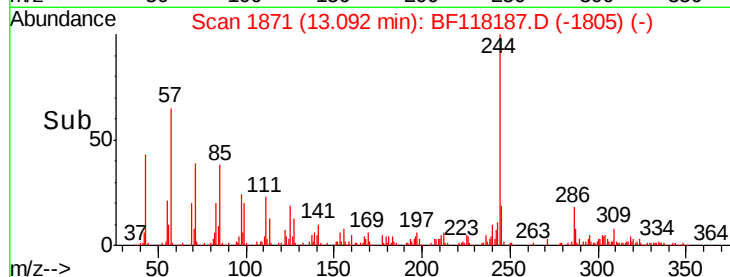
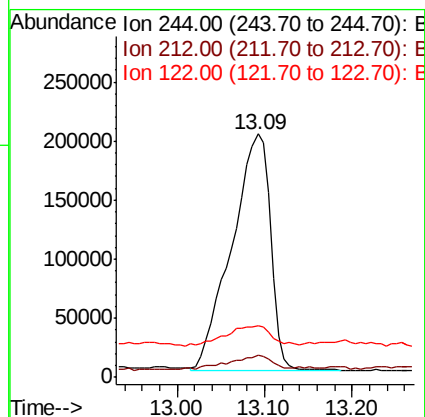
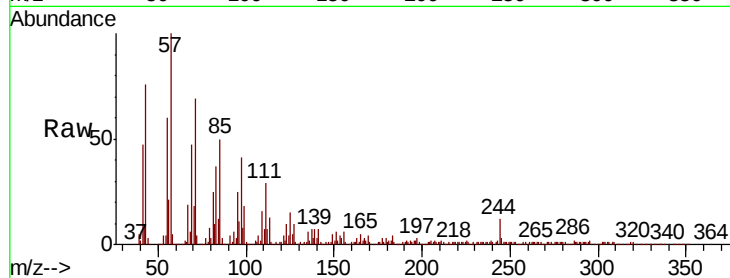
Tot Ion:244 Resp: 603780

Ion Ratio Lower Upper

244 100

212 8.9 5.9 8.9

122 21.1 9.0 13.6#



#82

3,3'-Dichlorobenzidine

Concen: 2.946 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.09 min

Lab File: BF118187.D

Acq: 13 Dec 2019 15:43

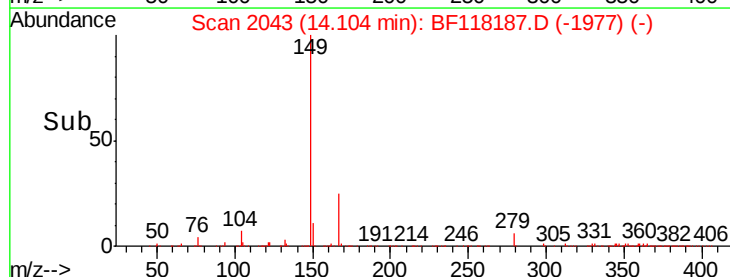
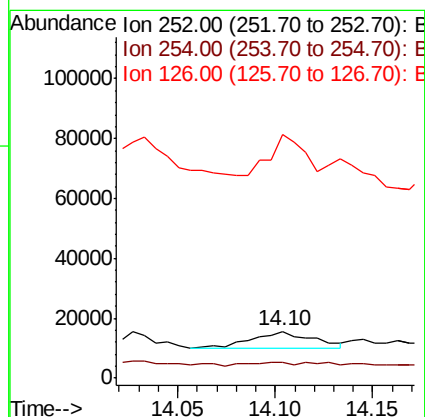
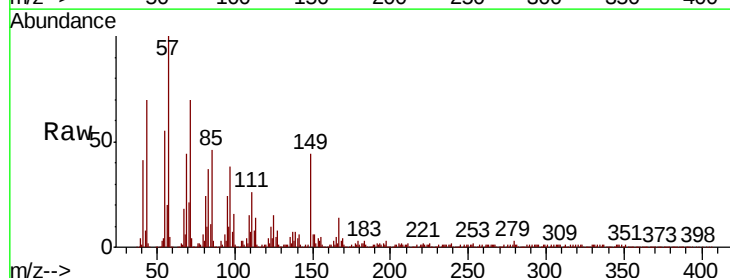
Tgt Ion:252 Resp: 12938

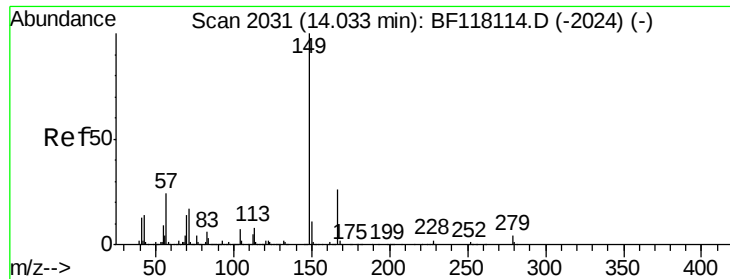
Ion Ratio Lower Upper

252 100

254 33.4 52.2 78.4#

126 517.7 8.6 13.0#

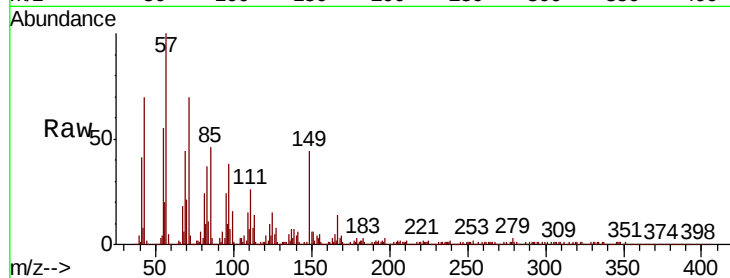




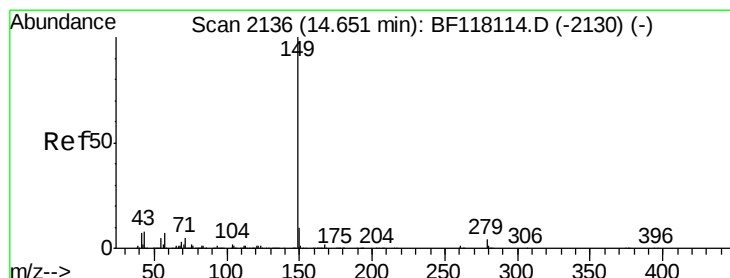
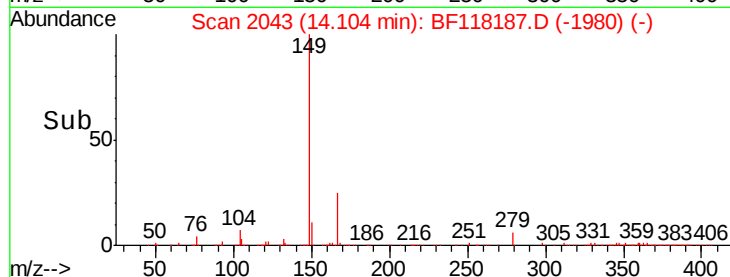
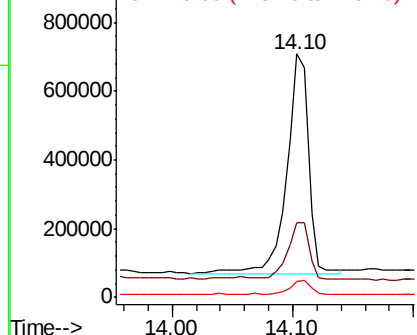
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 87.128 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. 0.07 min
 Lab File: BF118187.D
 Acq: 13 Dec 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.8	20.8	31.2
279	6.7	2.9	4.3#

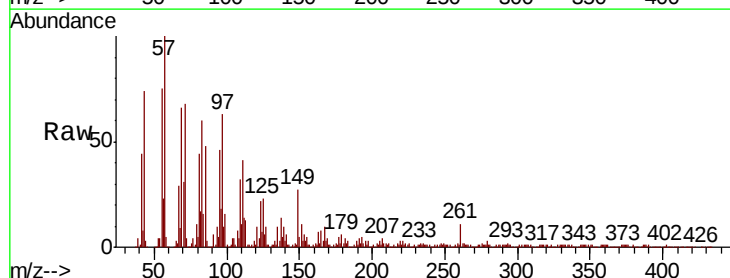


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

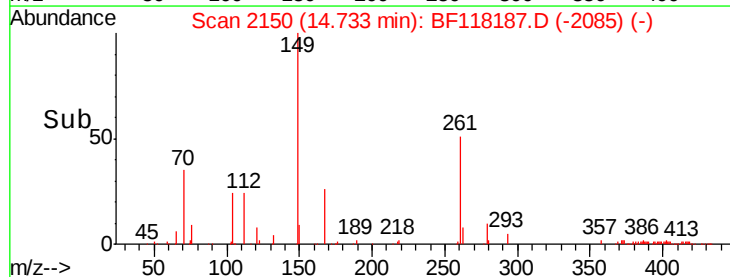
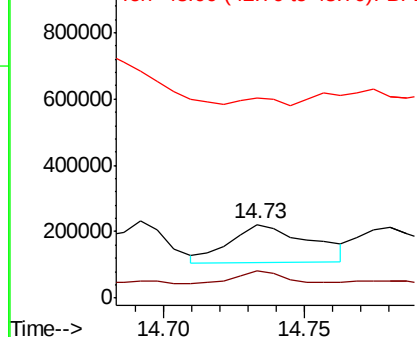


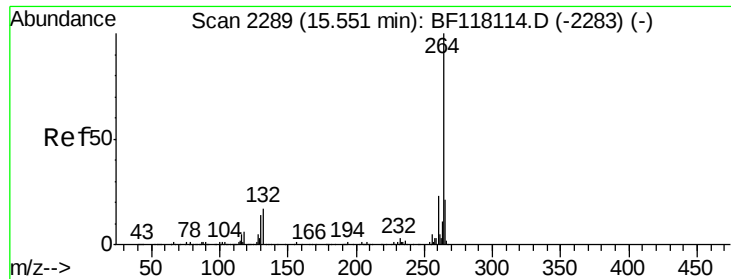
#85
 Di-n-octyl phthalate
 Concen: 16.271 ng
 RT: 14.73 min Scan# 2150
 Delta R.T. 0.08 min
 Lab File: BF118187.D
 Acq: 13 Dec 2019 15:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	17.7	1.3	1.9#
43	0.0	6.5	9.7#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.08 min
Lab File: BF118187.D
Acq: 13 Dec 2019 15:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	28.0
265	23.5	16.8	25.2

