

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118185.D
 Acq On : 13 Dec 2019 14:47
 Operator : JU
 Sample : K5664-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 02-03-08-09-10-11-12-COMP

Quant Time: Dec 13 22:45:50 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	123950	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	477442	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	236312	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	377829	20.00	ng	0.00
76) Chrysene-d12	14.09	240	223503	20.00	ng	0.02
87) Perylene-d12	15.59	264	279923	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	754638	106.63	ng	0.00
7) Phenol-d6	6.50	99	748273	87.42	ng	0.00
23) Nitrobenzene-d5	7.43	82	727491	85.72	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	372122	129.62	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1441049	92.79	ng	0.00
79) Terphenyl-d14	13.02	244	1155999	88.94	ng	0.02

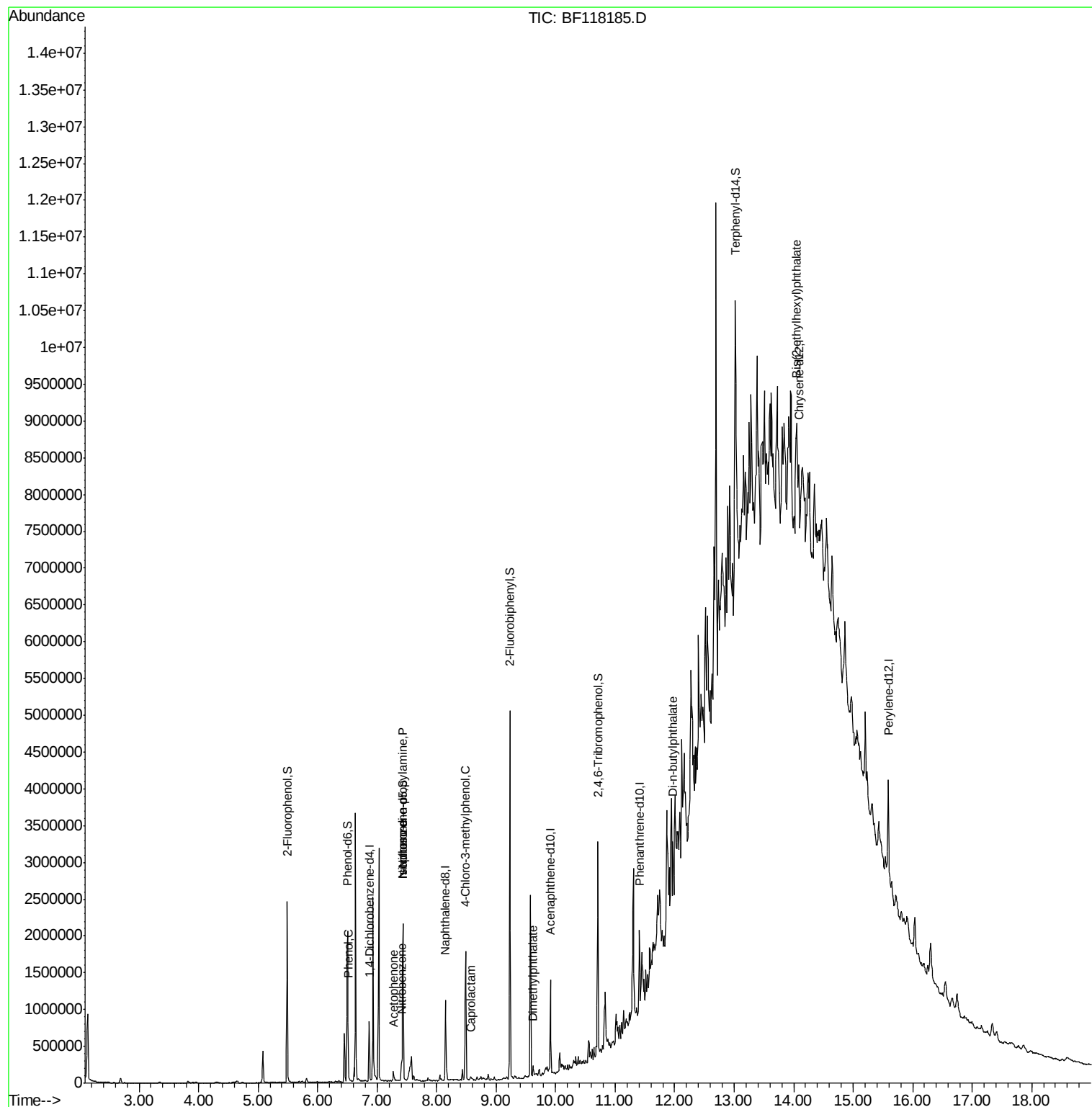
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1562	Below Cal		# 1
10) Phenol	6.52	94	50131	5.135	ng	# 97
19) n-Nitroso-di-n-propylamine	7.43	70	97530	18.751	ng	# 78
22) Acetophenone	7.27	105	38020	3.315	ng	# 90
24) Nitrobenzene	7.41	77	16686	2.001	ng	# 44
25) Isophorone	7.43	82	724100	50.331	ng	# 62
35) Caprolactam	8.57	113	7056	3.302	ng	# 46
36) 4-Chloro-3-methylphenol	8.49	107	248083	34.017	ng	# 19
50) Dimethylphthalate	9.62	163	42940	2.460	ng	# 98
74) Di-n-butylphthalate	11.97	149	170282	7.569	ng	# 95
84) Bis(2-ethylhexyl)phthalate	14.06	149	235843	22.423	ng	# 91

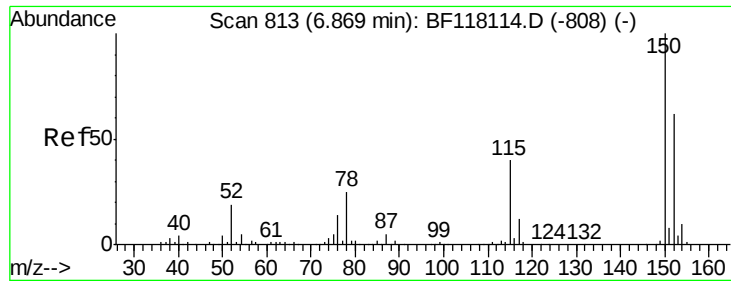
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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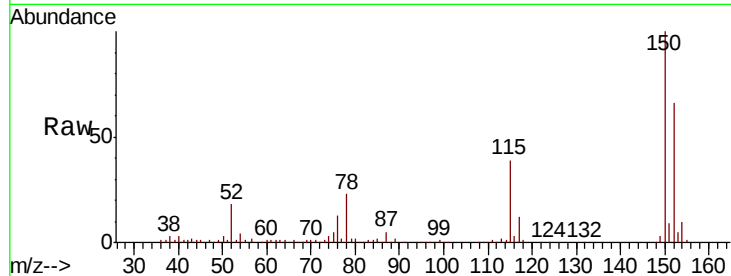


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

Instrument :
BNA_F
ClientSampleId :
02-03-08-09-10-11-12-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	128.3	192.5
115	60.0	51.1	76.7

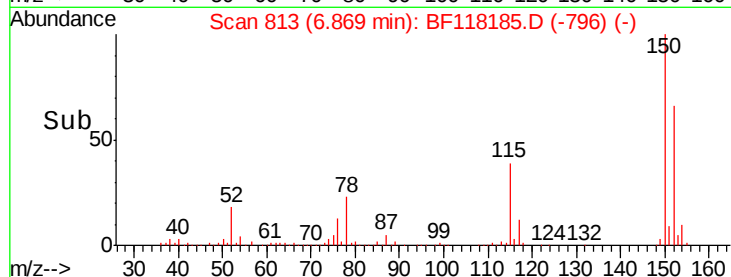
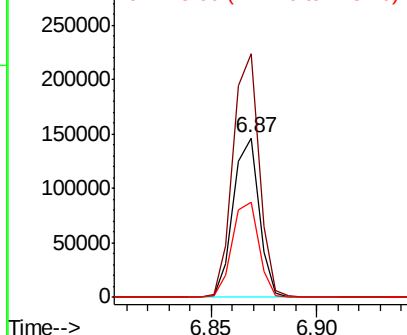


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

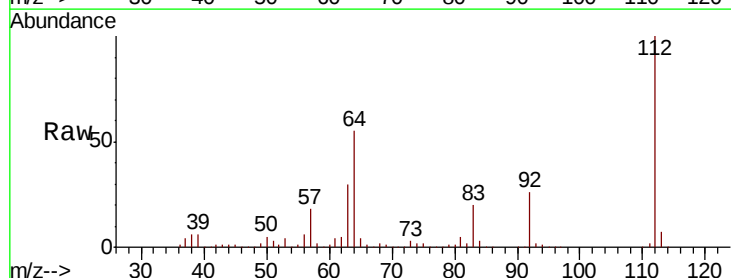
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.633 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	41.3	61.9
63	30.1	22.4	33.6

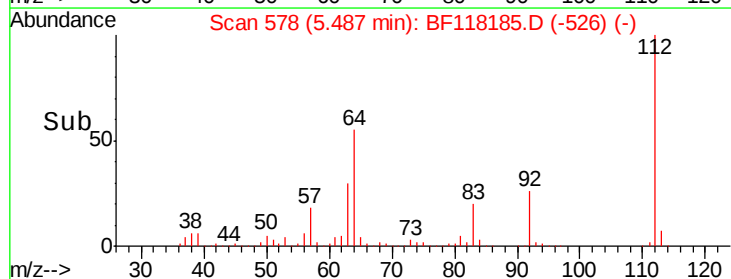
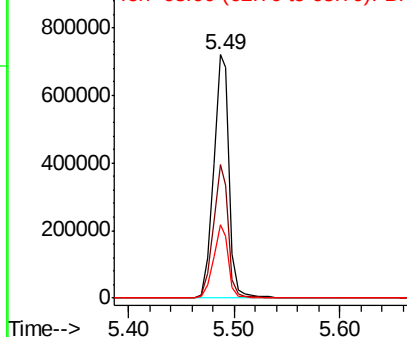


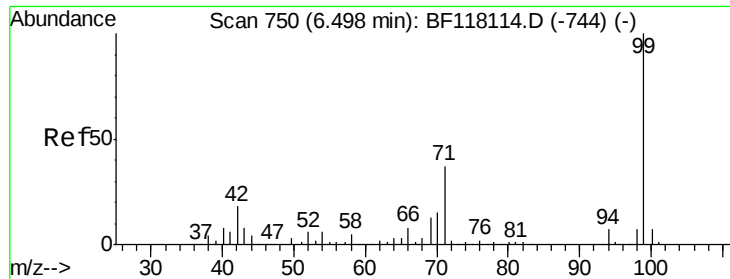
Abundance

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: 87.417 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118185.D

Acq: 13 Dec 2019 14:47

Instrument :

BNA_F

ClientSampleId :

02-03-08-09-10-11-12-COMP

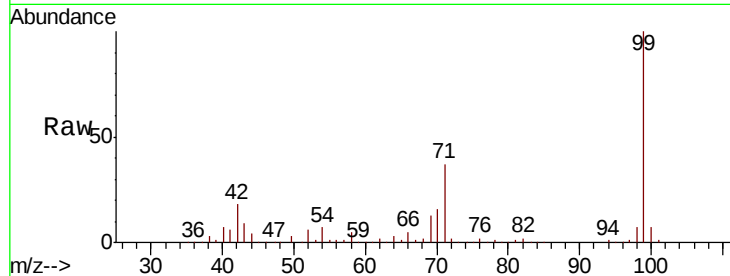
Tot Ion: 99 Resp: 748273

Ion Ratio Lower Upper

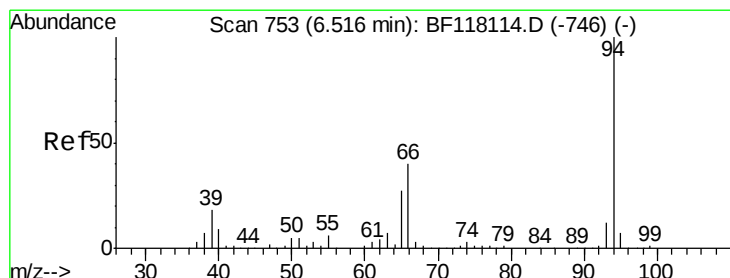
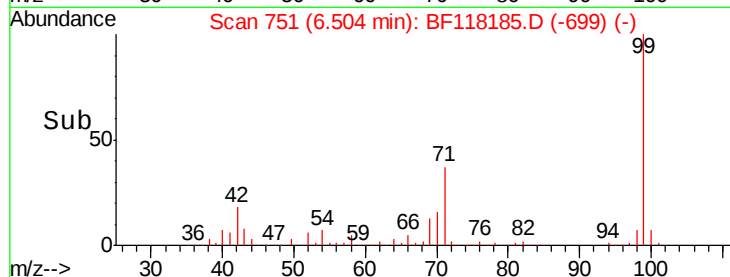
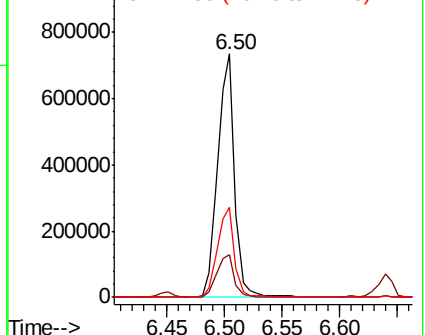
99 100

42 17.7 14.1 21.1

71 36.7 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: 5.135 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF118185.D

Acq: 13 Dec 2019 14:47

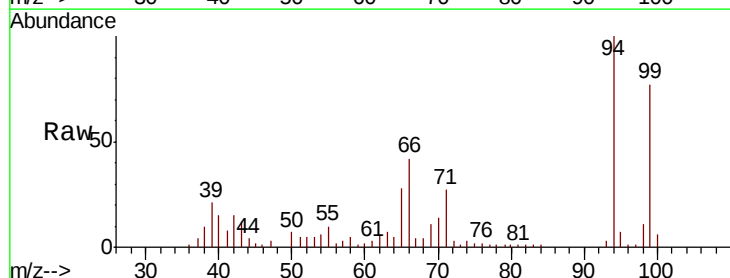
Tgt Ion: 94 Resp: 50131

Ion Ratio Lower Upper

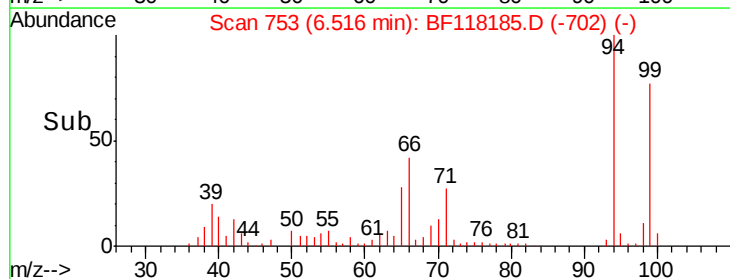
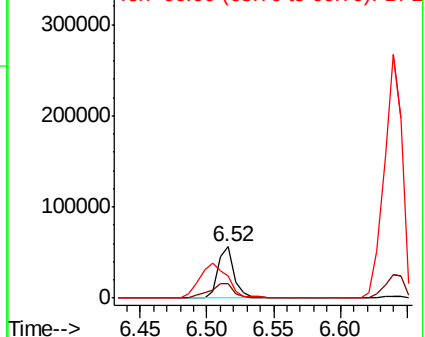
94 100

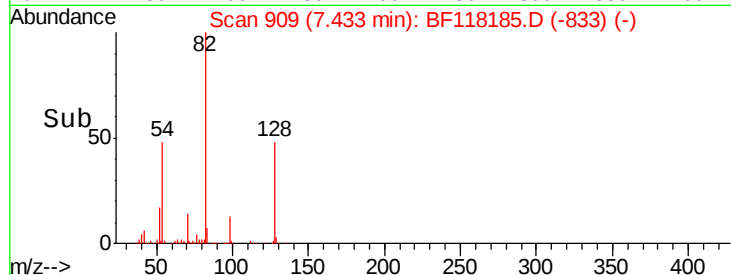
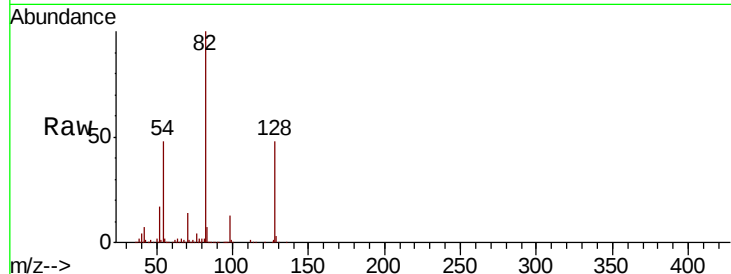
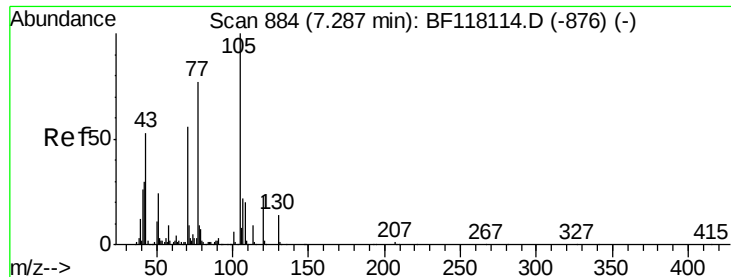
65 28.3 7.3 47.3

66 42.2 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

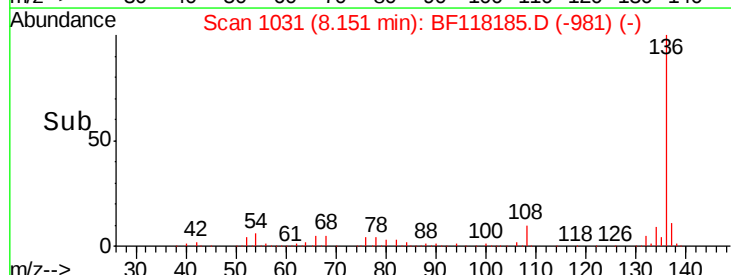
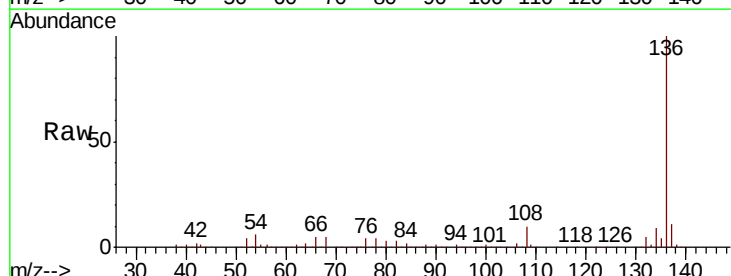
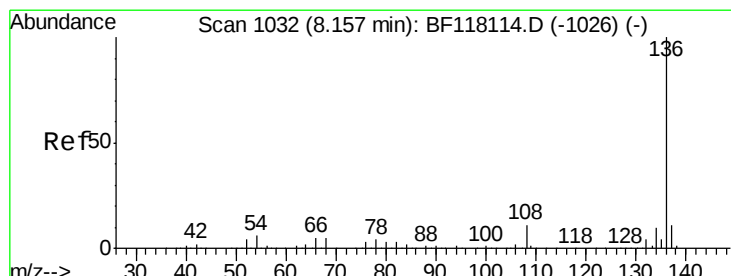
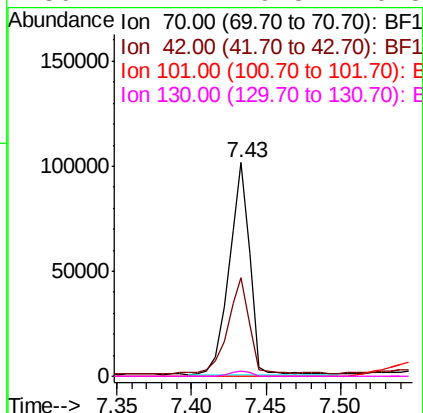




#19
n-Nitroso-di-n-propylamine
Concen: 18.751 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

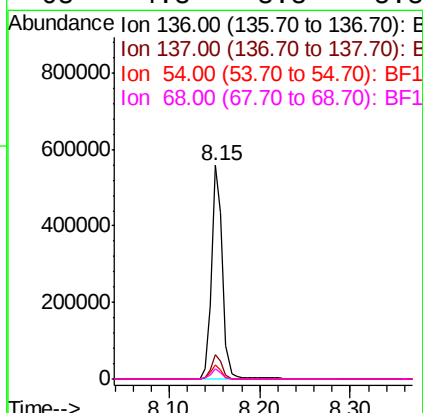
Instrument :
BNA_F
ClientSampleId :
02-03-08-09-10-11-12-COMP

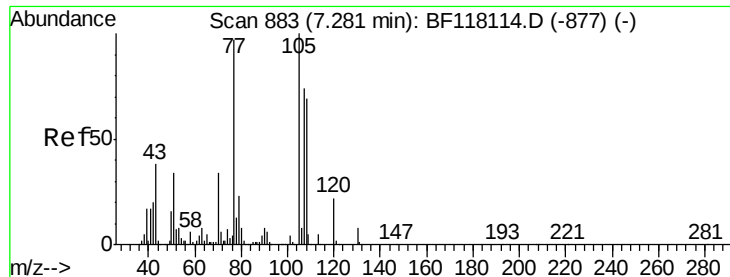
Tot Ion: 70 Resp: 97530
Ion Ratio Lower Upper
70 100
42 46.4 43.2 64.8
101 0.0 8.1 12.1#
130 2.2 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

Tgt Ion: 136 Resp: 477442
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 6.5 5.0 7.6
68 4.8 3.8 5.8





#22

Acetophenone

Concen: 3.315 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF118185.D

Acq: 13 Dec 2019 14:47

Instrument :

BNA_F

ClientSampleId :

02-03-08-09-10-11-12-COMP

Tot Ion:105 Resp: 38020

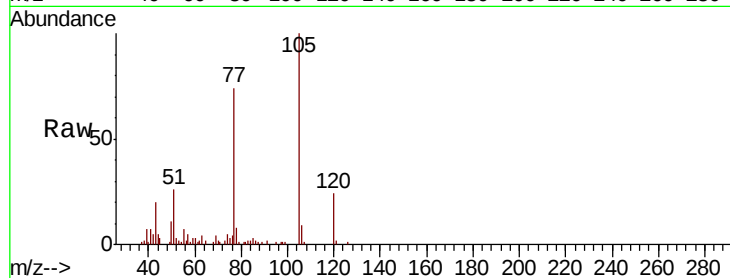
Ion Ratio Lower Upper

105 100

71 1.5 4.7 7.1#

51 26.0 27.1 40.7#

120 23.7 17.8 26.6

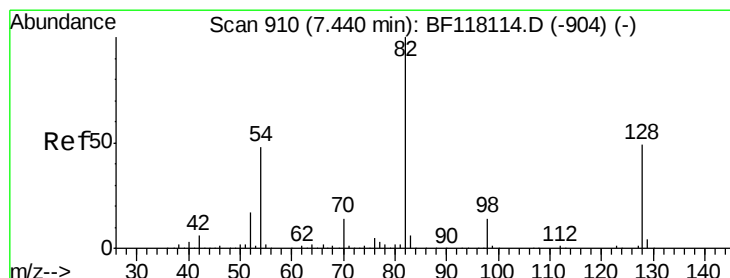
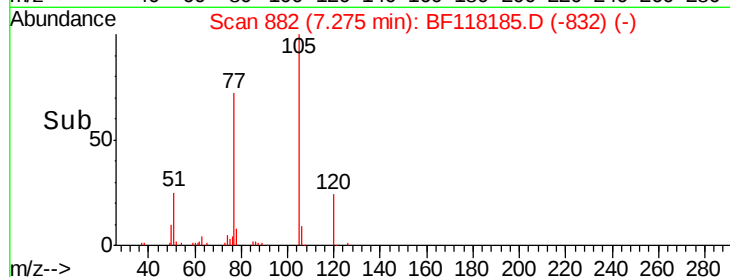
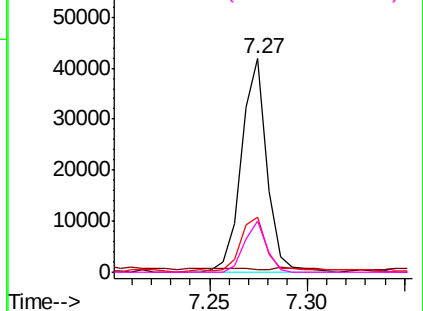


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 85.721 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF118185.D

Acq: 13 Dec 2019 14:47

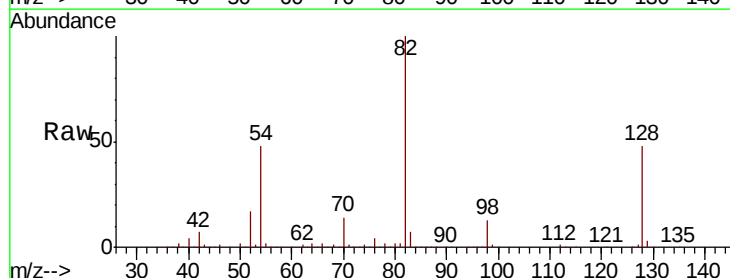
Tgt Ion: 82 Resp: 727491

Ion Ratio Lower Upper

82 100

128 47.8 39.1 58.7

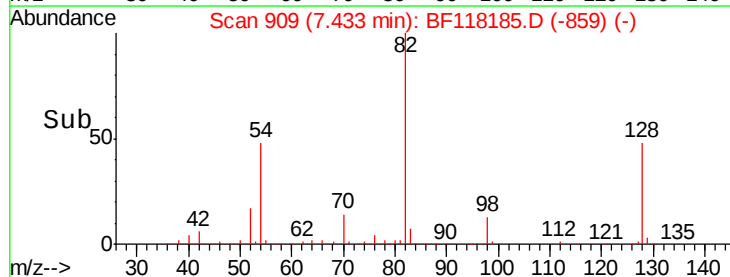
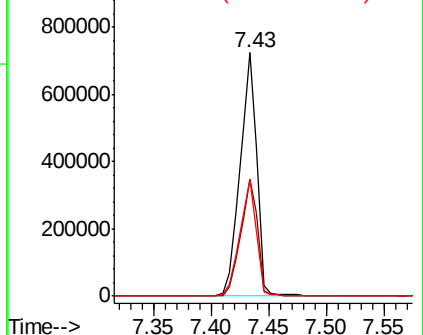
54 48.1 38.2 57.2

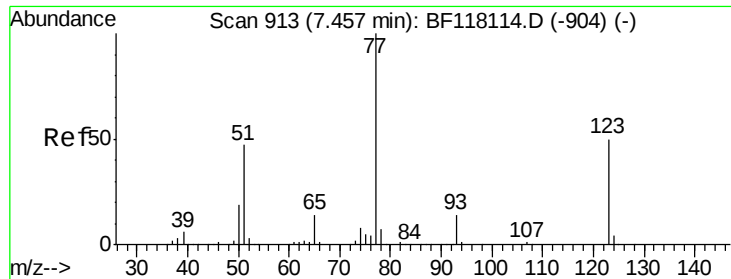


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

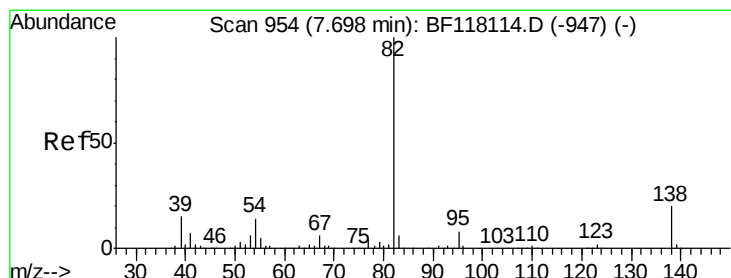
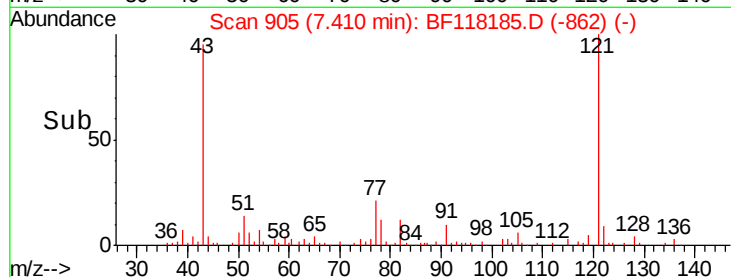
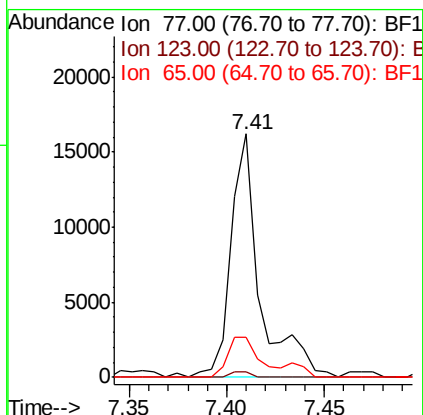
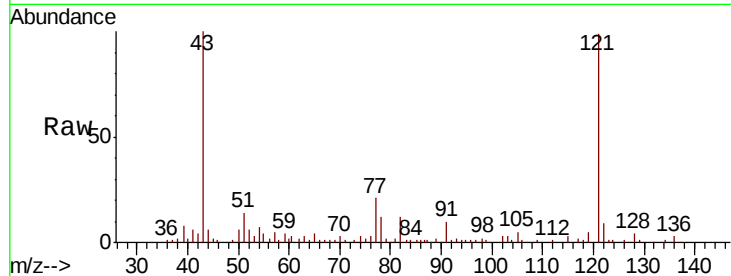




#24
 Nitrobenzene
 Concen: 2.001 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.05 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

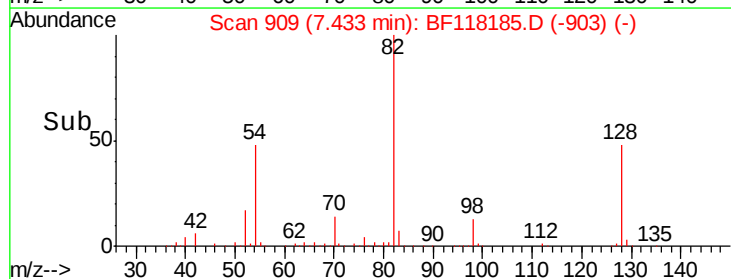
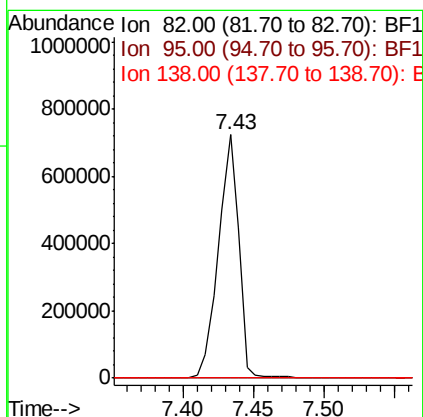
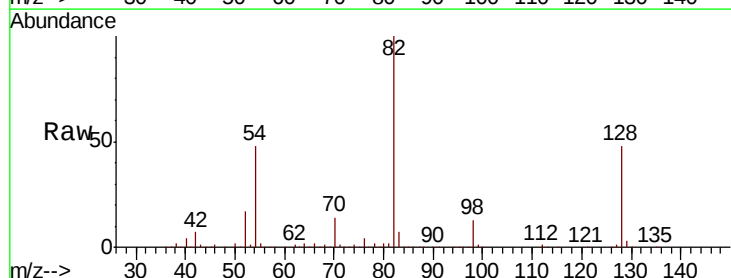
Instrument :
 BNA_F
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 02-03-08-09-10-11-12-COMP

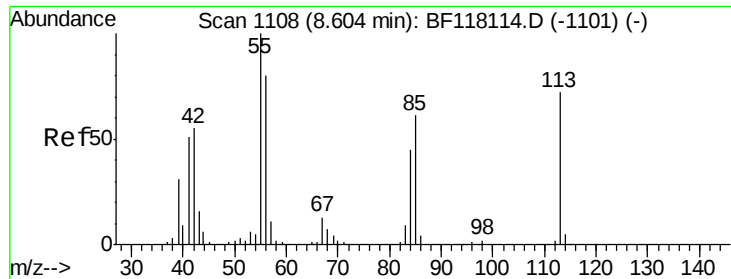
Tot Ion	Ratio	Lower	Upper
77	100		
123	2.4	40.1	60.1#
65	16.5	10.9	16.3#



#25
 Isophorone
 Concen: 50.331 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	6.3	9.5#
138	0.0	16.3	24.5#

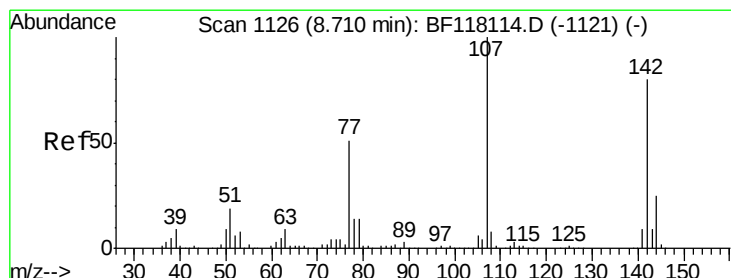
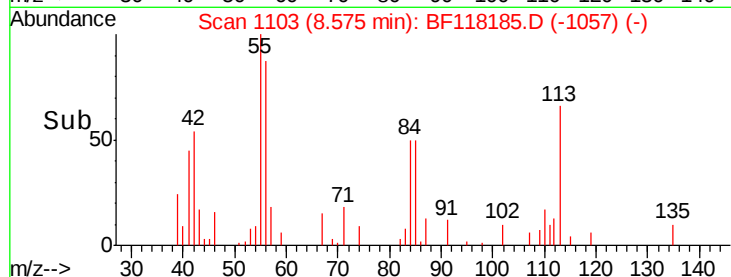
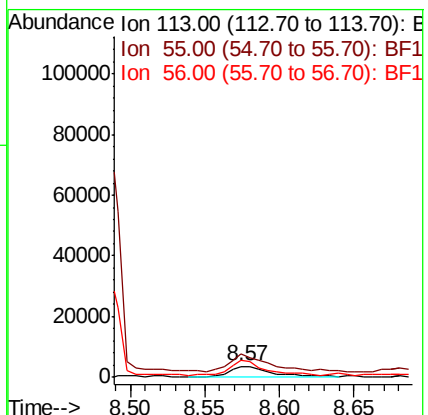
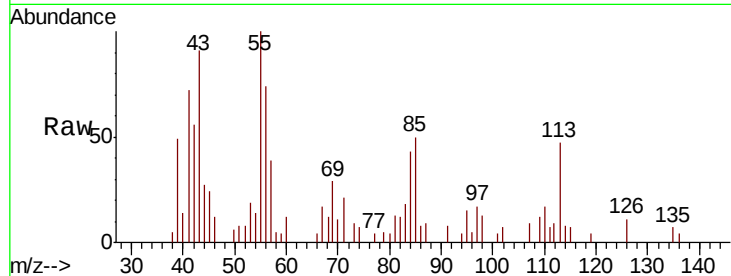




#35
 Caprolactam
 Concen: 3.302 ng
 RT: 8.57 min Scan# 1103
 Delta R.T. -0.03 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

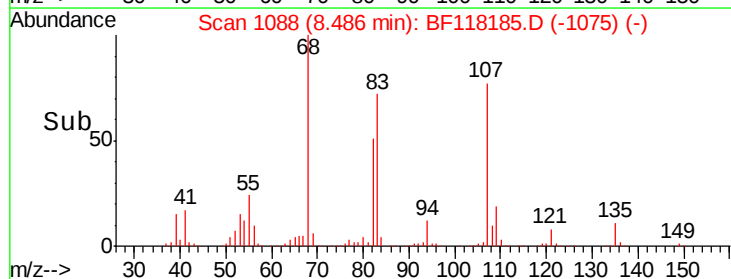
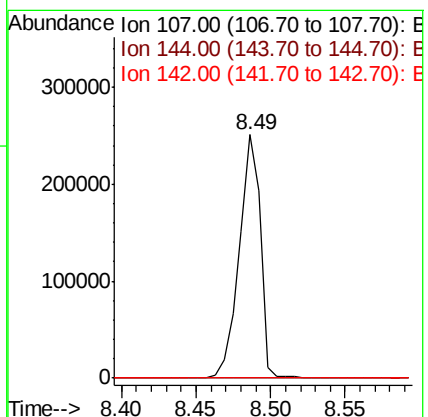
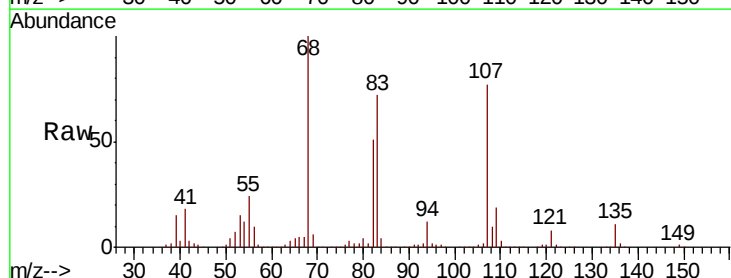
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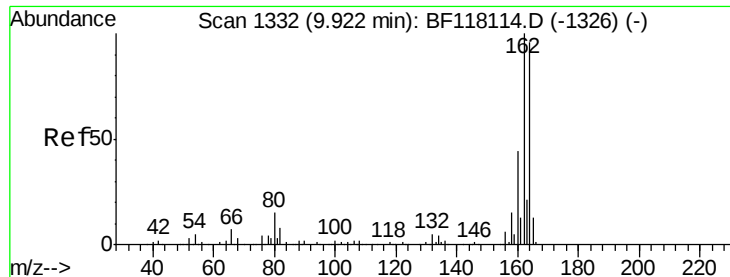
Tot Ion:113 Resp: 7056
 Ion Ratio Lower Upper
 113 100
 55 214.2 118.9 158.9#
 56 158.4 91.4 131.4#



#36
 4-Chloro-3-methylphenol
 Concen: 34.017 ng
 RT: 8.49 min Scan# 1088
 Delta R.T. -0.22 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

Tgt Ion:107 Resp: 248083
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.3 30.5#
 142 0.0 63.7 95.5#

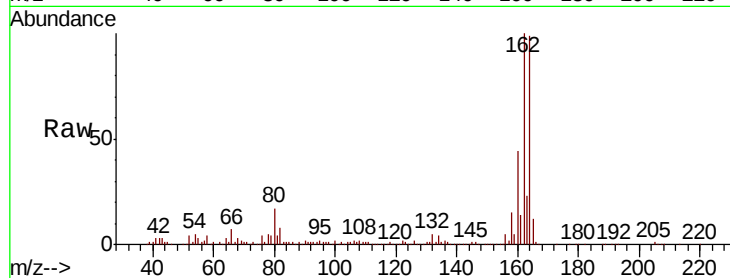




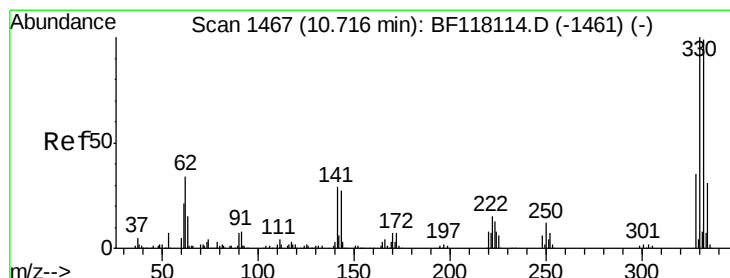
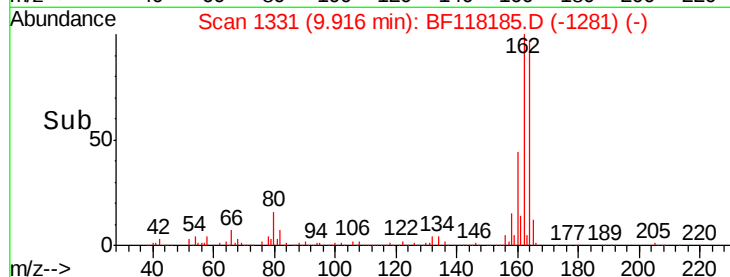
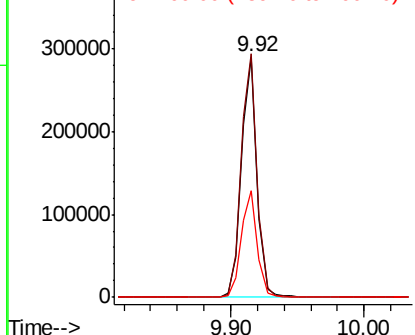
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

Instrument :
 BNA_F
 ClientSampleId :
 02-03-08-09-10-11-12-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.4	125.0
160	44.3	36.6	54.8

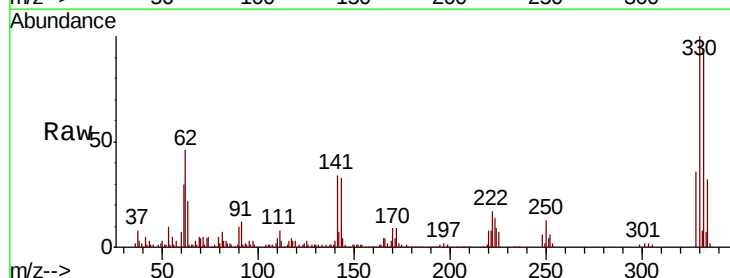


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

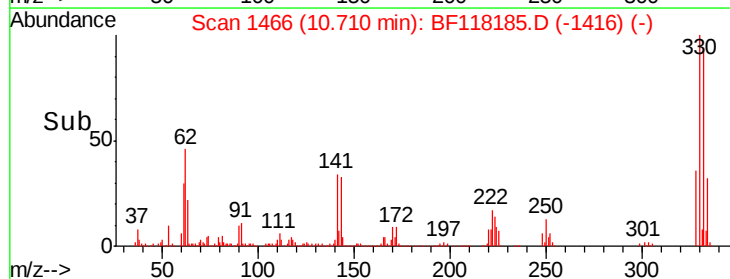
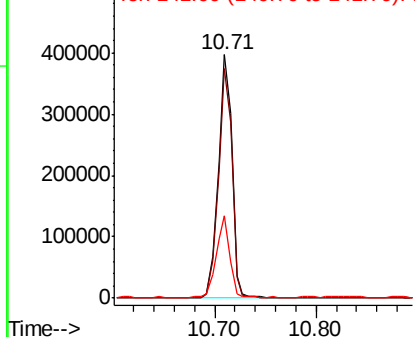


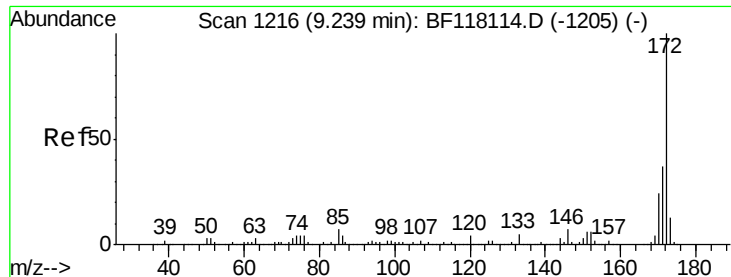
#42
 2,4,6-Tribromophenol
 Concen: 129.625 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	78.1	117.1
141	32.7	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

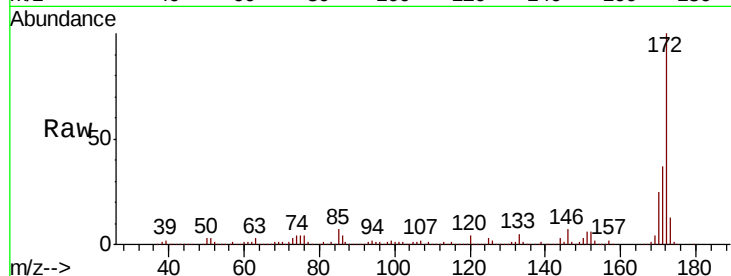




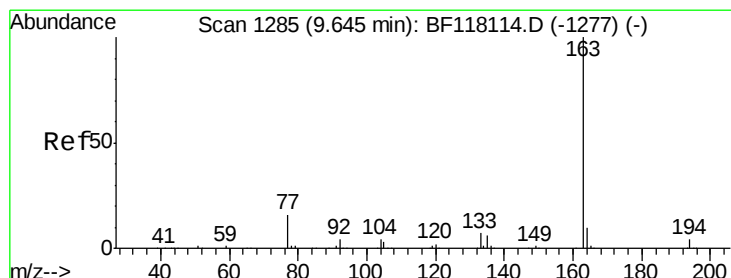
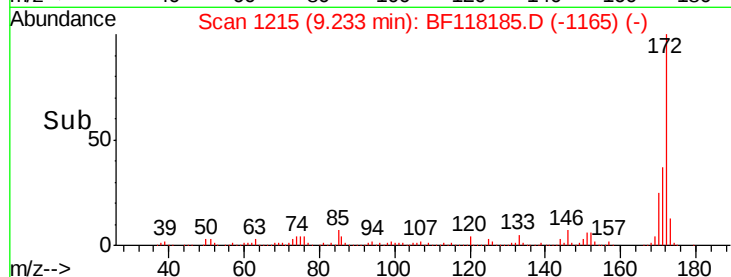
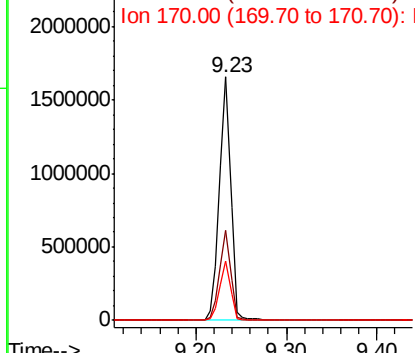
#45
2-Fluorobiphenyl
Concen: 92.791 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

Instrument :
BNA_F
ClientSampleId :
02-03-08-09-10-11-12-COMP

Tot Ion:172 Resp: 1441049
Ion Ratio Lower Upper
172 100
171 36.9 29.2 43.8
170 24.5 19.4 29.2

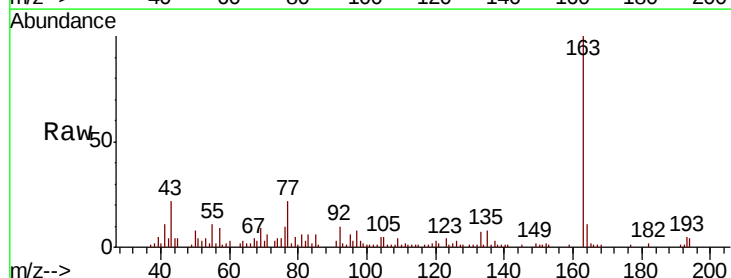


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

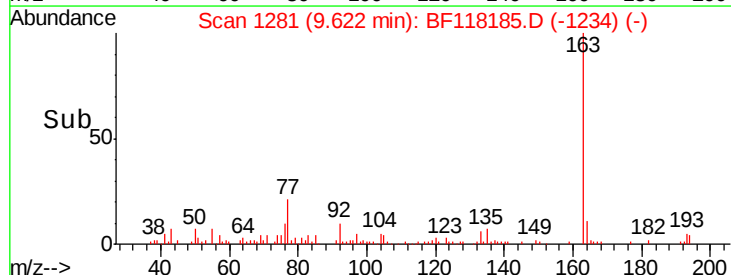
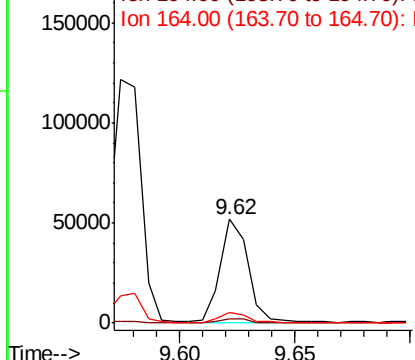


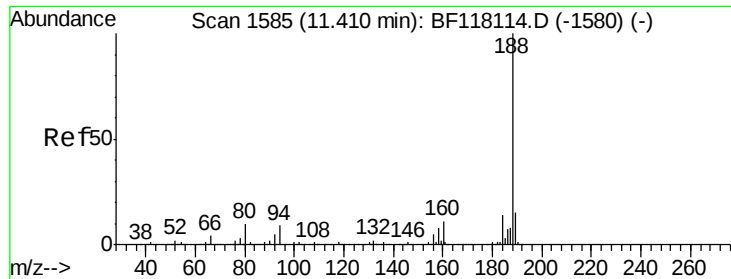
#50
Dimethylphthalate
Concen: 2.460 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

Tgt Ion:163 Resp: 42940
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.5 7.7 11.5



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

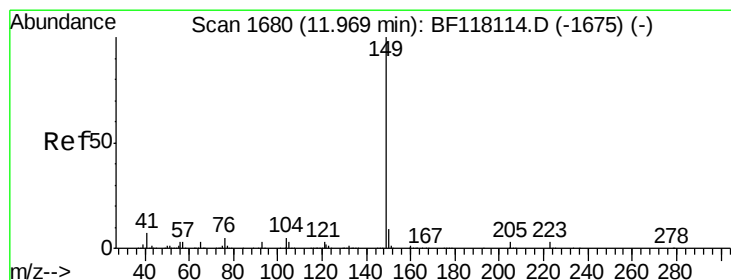
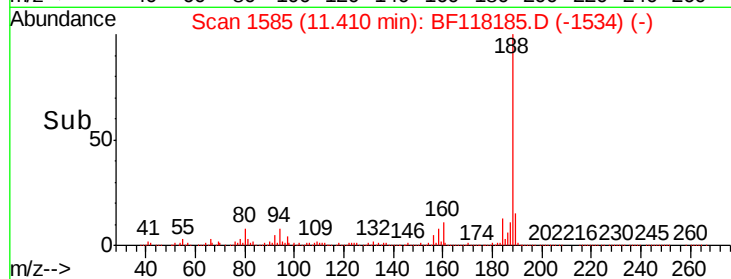
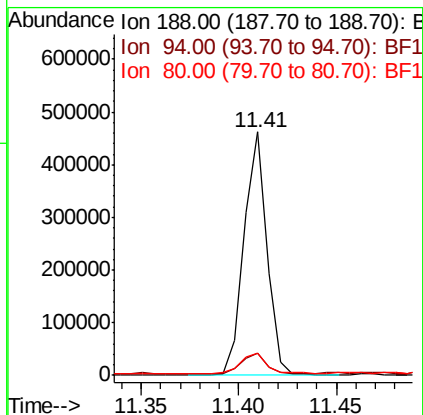
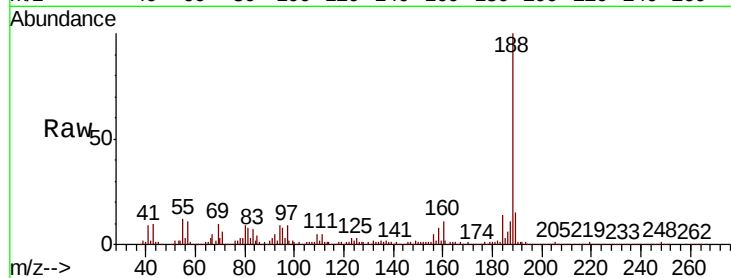




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

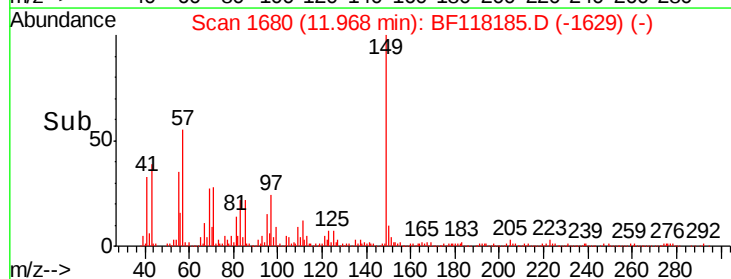
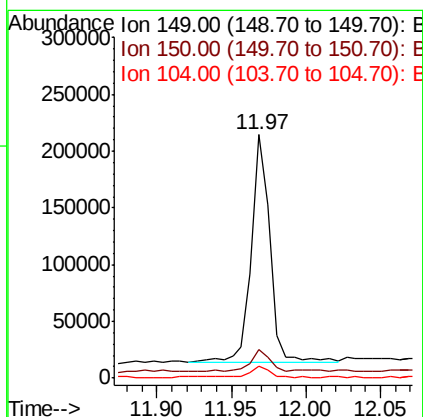
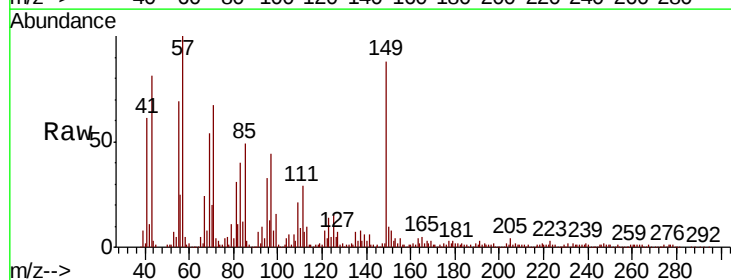
Instrument :
BNA_F
ClientSampleId :
02-03-08-09-10-11-12-COMP

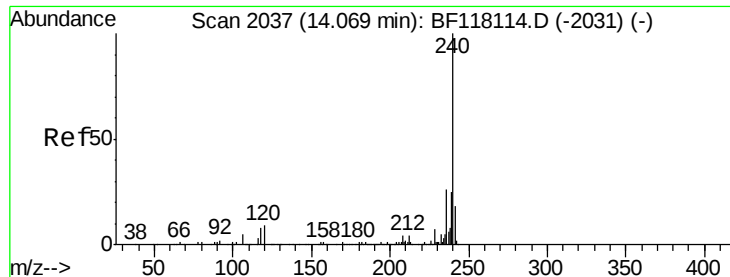
Tot Ion:188 Resp: 377829
Ion Ratio Lower Upper
188 100
94 9.1 7.1 10.7
80 8.9 7.9 11.9



#74
Di-n-butylphthalate
Concen: 7.569 ng
RT: 11.97 min Scan# 1680
Delta R.T. -0.00 min
Lab File: BF118185.D
Acq: 13 Dec 2019 14:47

Tgt Ion:149 Resp: 170282
Ion Ratio Lower Upper
149 100
150 11.8 7.4 11.2#
104 4.7 4.3 6.5

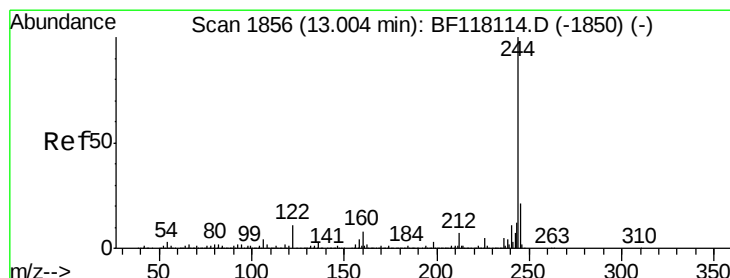
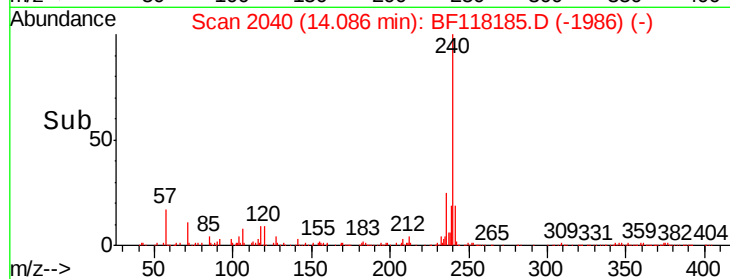
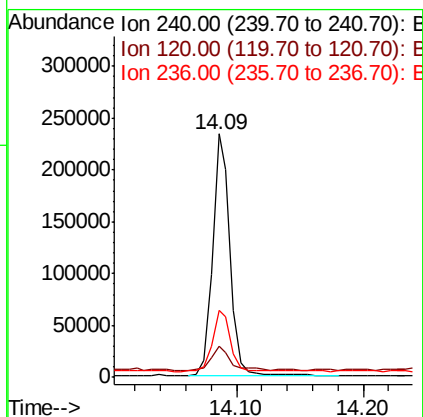
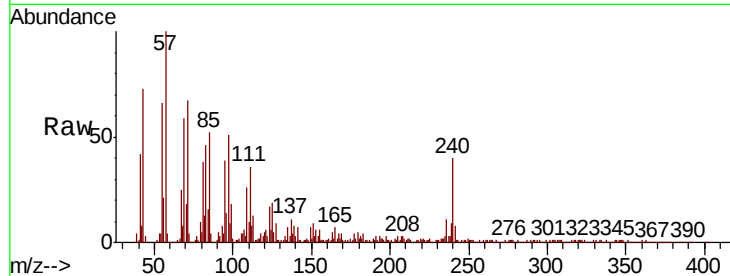




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

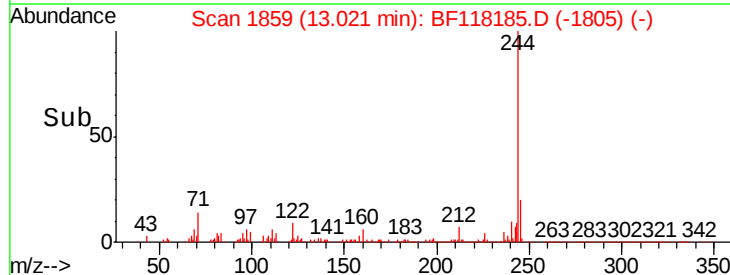
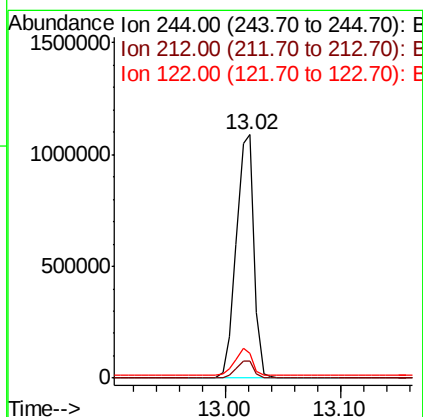
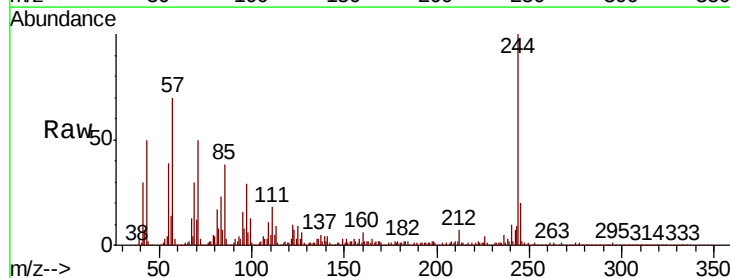
Instrument :
 BNA_F
 ClientSampleId :
 02-03-08-09-10-11-12-COMP

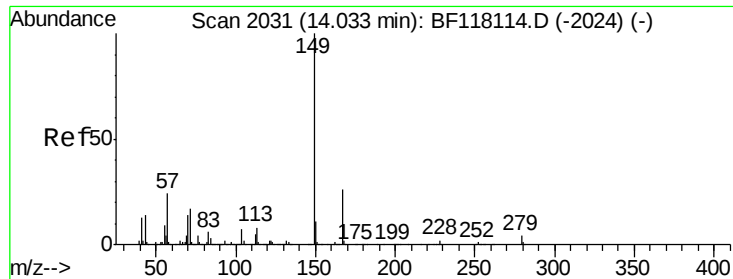
Tot Ion:240 Resp: 223503
 Ion Ratio Lower Upper
 240 100
 120 12.9 7.1 10.7#
 236 27.4 21.0 31.6



#79
 Terphenyl-d14
 Concen: 88.942 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. 0.02 min
 Lab File: BF118185.D
 Acq: 13 Dec 2019 14:47

Tgt Ion:244 Resp: 1155999
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.0 9.0 13.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 22.423 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF118185.D

Acq: 13 Dec 2019 14:47

Instrument :

BNA_F

ClientSampleId :

02-03-08-09-10-11-12-COMP

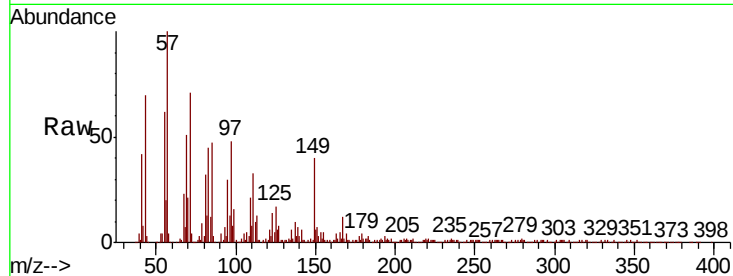
Tot Ion:149 Resp: 235843

Ion Ratio Lower Upper

149 100

167 30.8 20.8 31.2

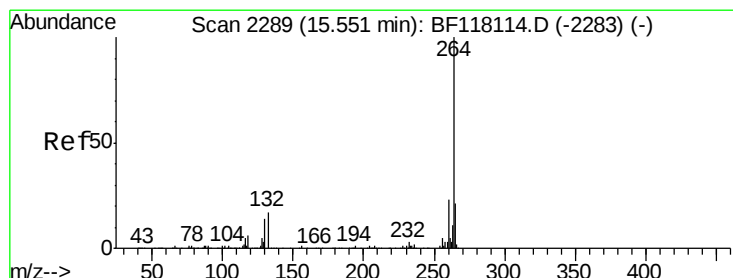
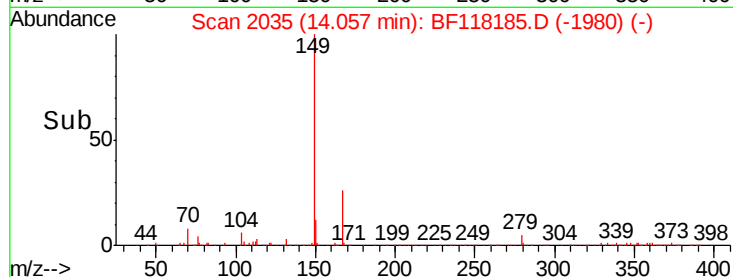
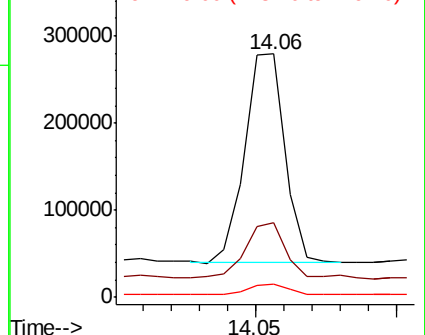
279 5.3 2.9 4.3#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.04 min

Lab File: BF118185.D

Acq: 13 Dec 2019 14:47

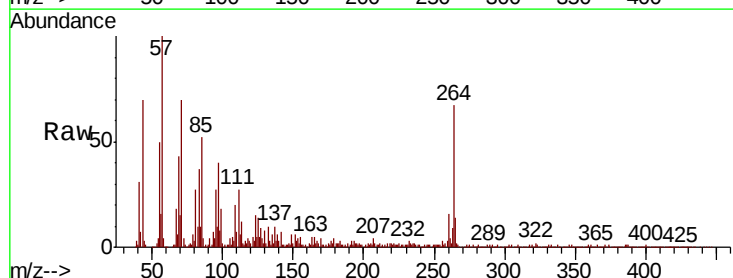
Tgt Ion:264 Resp: 279923

Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 21.6 16.8 25.2



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

