

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118097.D
 Acq On : 4 Dec 2019 20:20
 Operator : JU
 Sample : K6098-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:40:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	181758	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	649589	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	373400	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	719569	20.00	ng	0.00
76) Chrysene-d12	14.07	240	525822	20.00	ng	0.00
87) Perylene-d12	15.57	264	395224	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	525104	51.14	ng	0.01
7) Phenol-d6	6.50	99	466694	37.68	ng	-0.01
23) Nitrobenzene-d5	7.44	82	961985	88.03	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	296739	75.06	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1882751	90.46	ng	0.00
79) Terphenyl-d14	13.02	244	2431289	84.50	ng	0.00

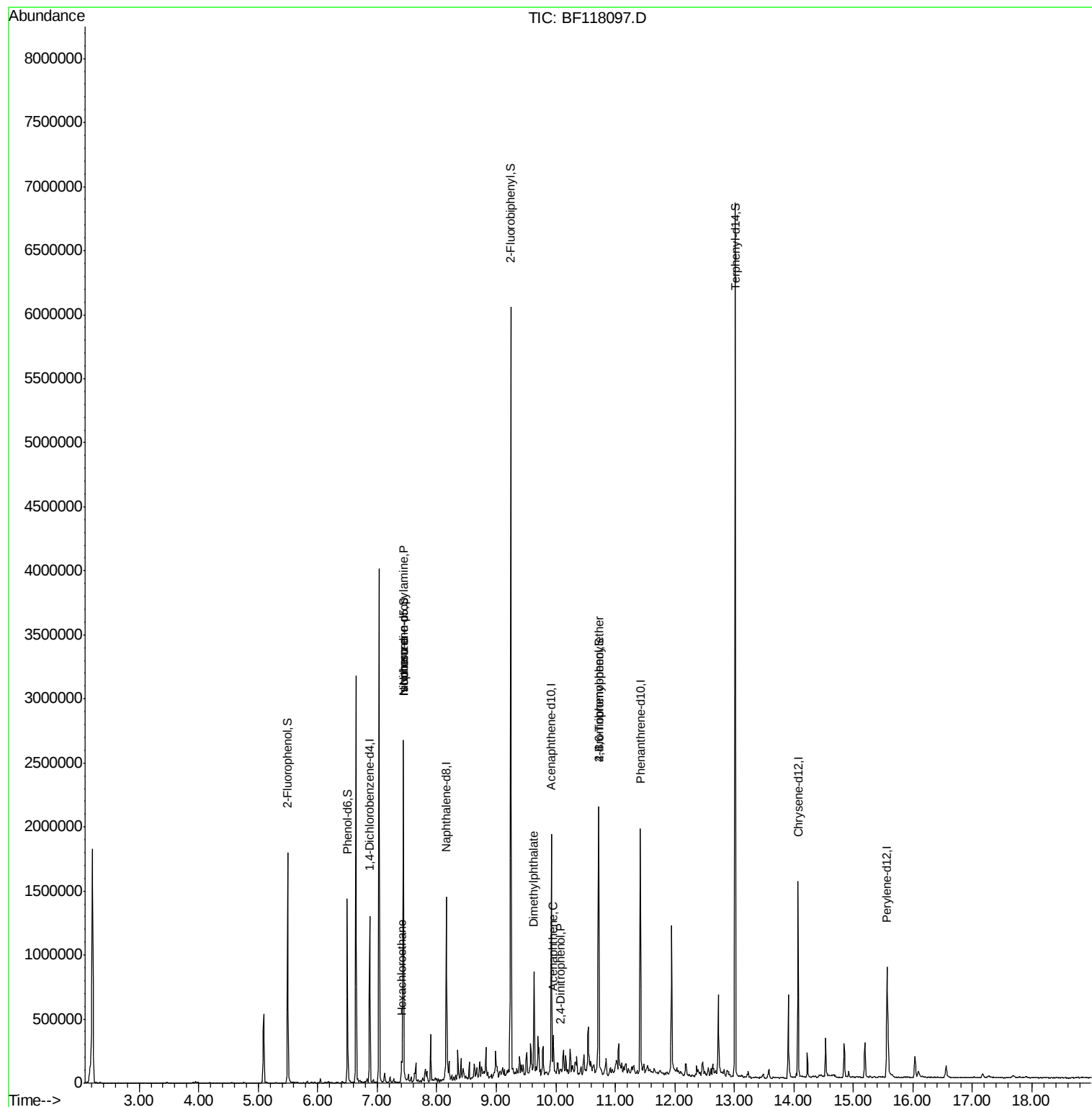
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	930	Below Cal		# 1
18) Hexachloroethane	7.41	117	22337	4.586	ng	# 46
19) n-Nitroso-di-n-propylamine	7.44	70	133078	17.417	ng	# 74
25) Isophorone	7.44	82	957766	47.821	ng	# 63
50) Dimethylphthalate	9.64	163	351529	13.425	ng	99
52) Acenaphthene	9.96	154	61366	2.883	ng	97
54) 2,4-Dinitrophenol	10.07	184	112	7.259	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	18736	2.413	ng	# 1
75) Fluoranthene	12.64	202	3335	Below Cal		79

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

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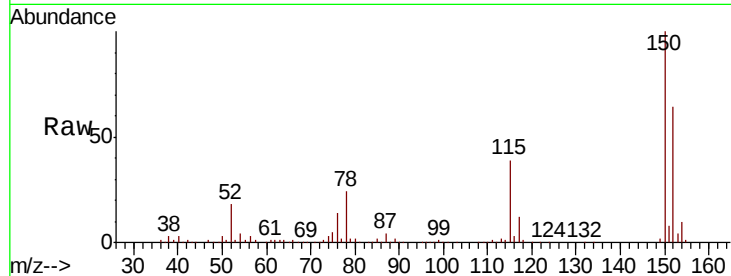


#1

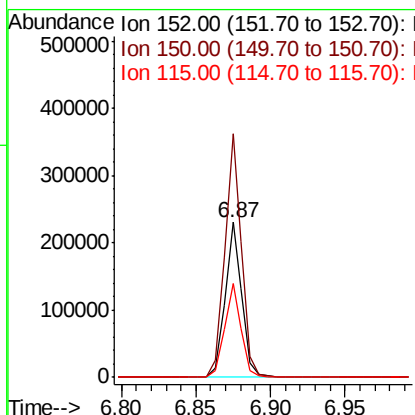
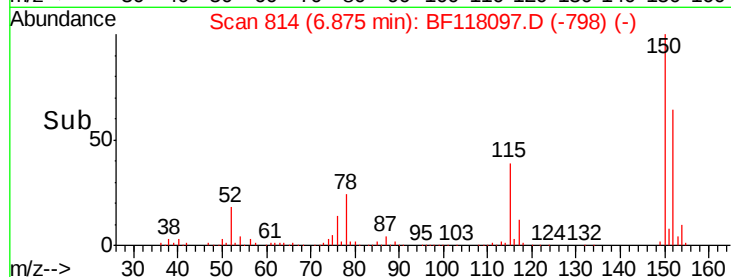
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF118097.D
 Acq: 4 Dec 2019 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 181758
 Ion Ratio Lower Upper
 152 100
 150 157.3 121.4 182.2
 115 60.6 48.8 73.2



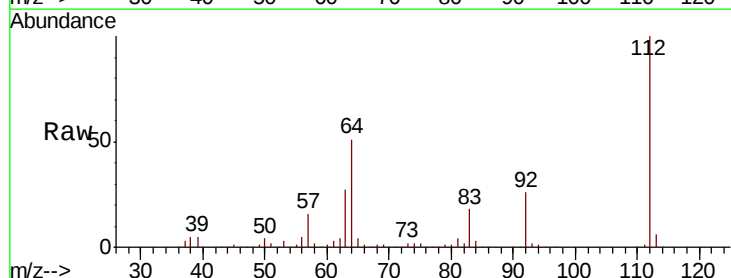
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



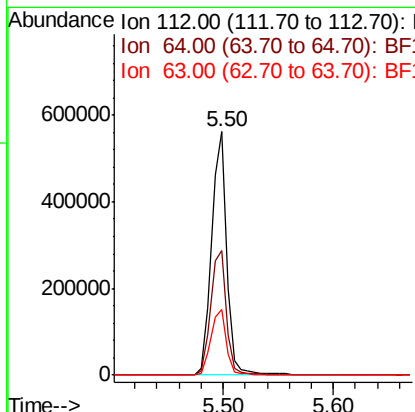
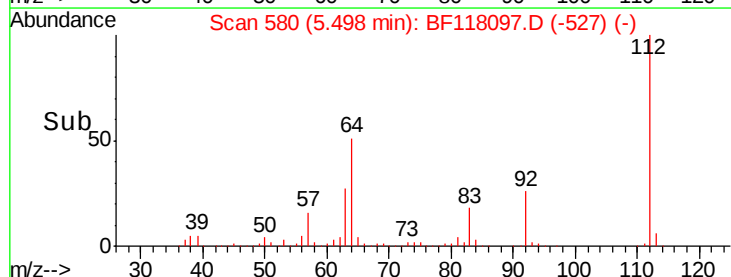
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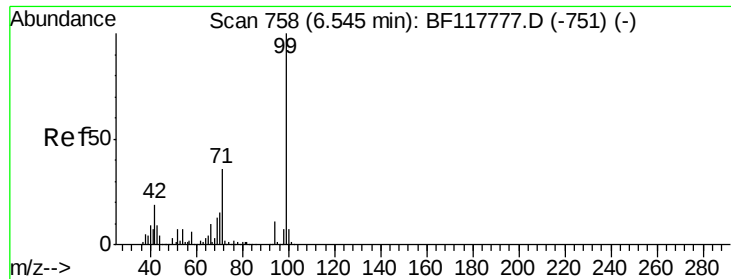
2-Fluorophenol
 Concen: 51.139 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF118097.D
 Acq: 4 Dec 2019 20:20

Tgt Ion:112 Resp: 525104
 Ion Ratio Lower Upper
 112 100
 64 51.1 45.1 67.7
 63 27.0 24.6 37.0



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: 37.682 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

Instrument :

BNA_F

ClientSampleId :

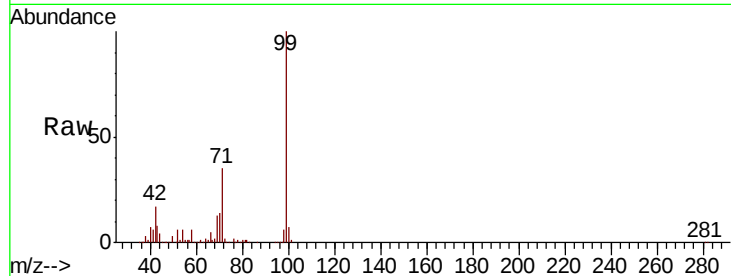
Tot Ion: 99 Resp: 466694

Ion Ratio Lower Upper

99 100

42 16.8 14.0 21.0

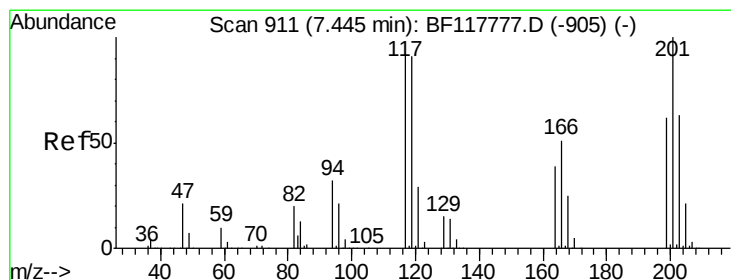
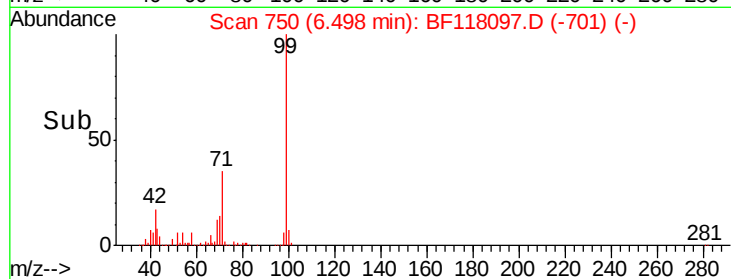
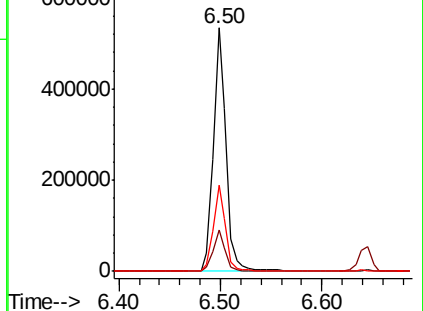
71 35.2 29.2 43.8



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



#18

Hexachloroethane

Concen: 4.586 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.02 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

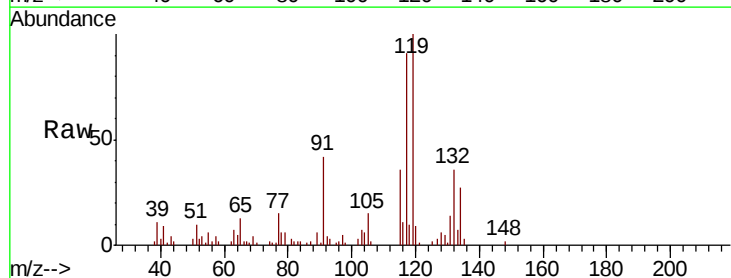
Tgt Ion: 117 Resp: 22337

Ion Ratio Lower Upper

117 100

119 109.9 76.4 114.6

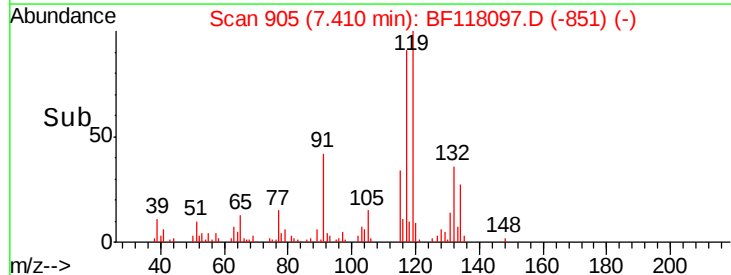
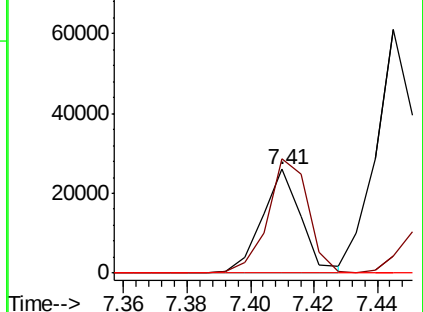
201 0.0 71.7 107.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

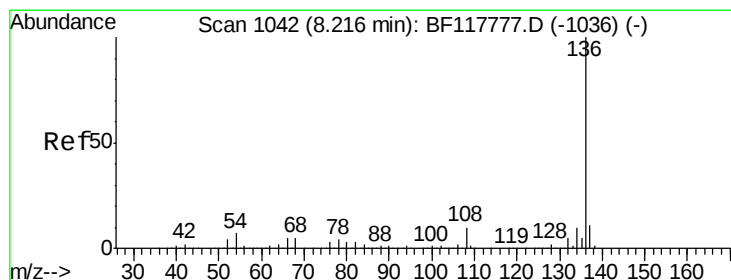
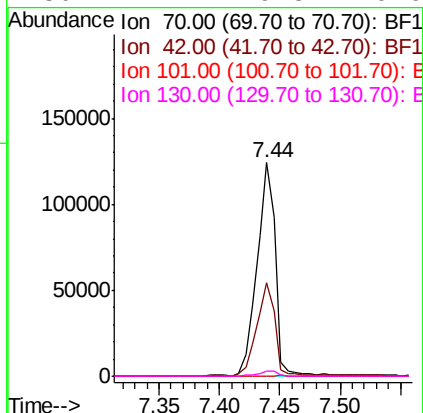
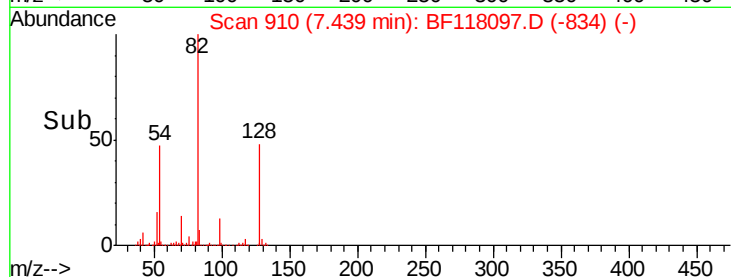
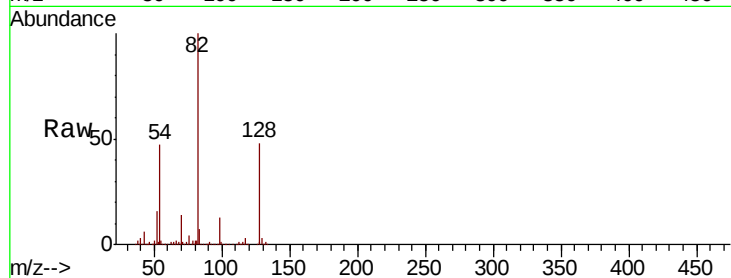




#19
n-Nitroso-di-n-propylamine
Concen: 17.417 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118097.D
Acq: 4 Dec 2019 20:20

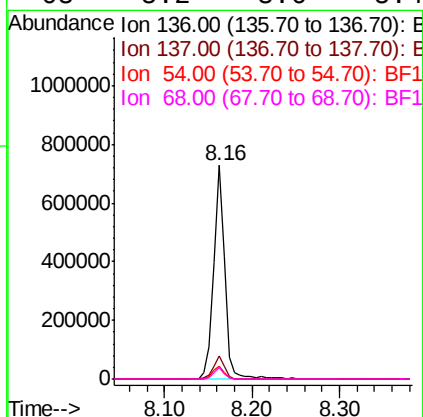
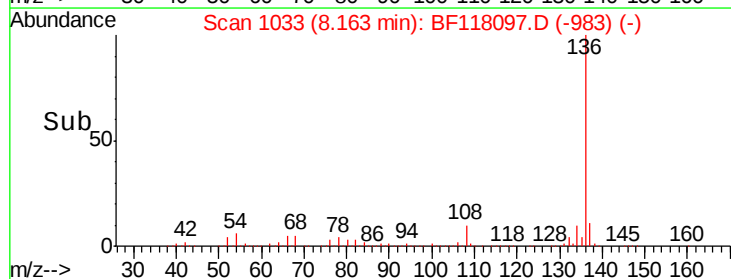
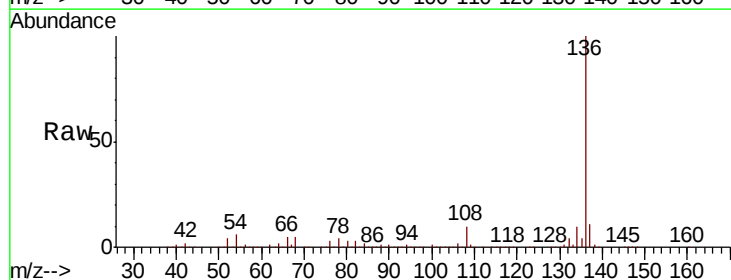
Instrument :
BNA_F
ClientSampleId :

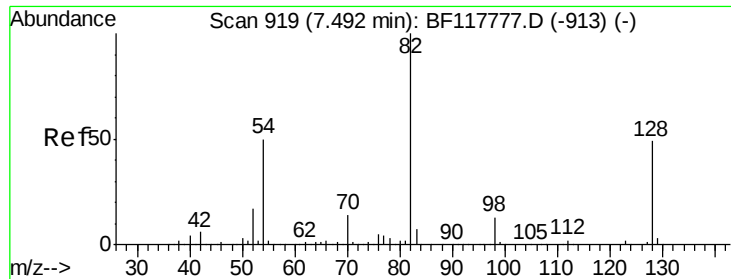
Tot Ion: 70 Resp: 133078
Ion Ratio Lower Upper
70 100
42 44.0 46.0 69.0#
101 0.0 8.8 13.2#
130 2.7 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118097.D
Acq: 4 Dec 2019 20:20

Tgt Ion: 136 Resp: 649589
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.3 4.9 7.3
68 5.2 3.6 5.4





#23

Nitrobenzene-d5

Concen: 88.034 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

Instrument :

BNA_F

ClientSampled :

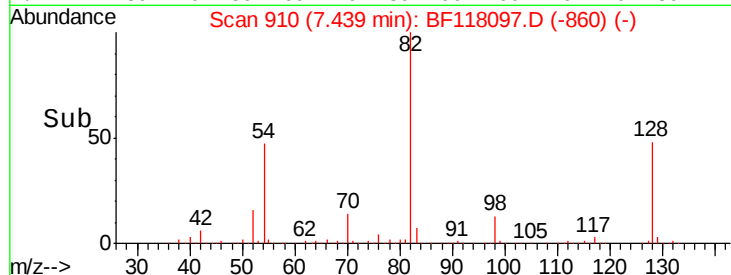
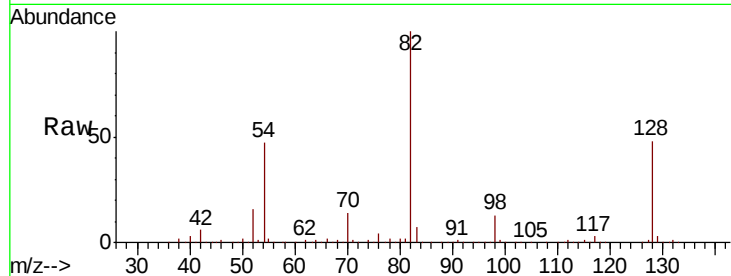
Tot Ion: 82 Resp: 961985

Ion Ratio Lower Upper

82 100

128 47.9 38.2 57.4

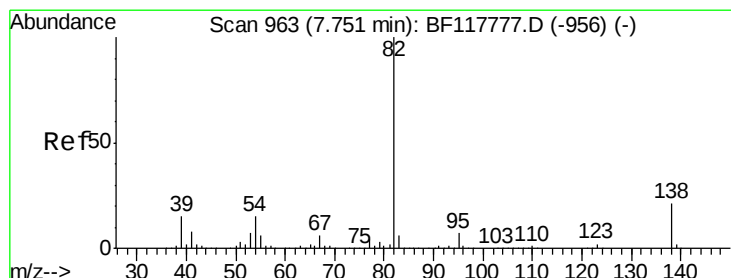
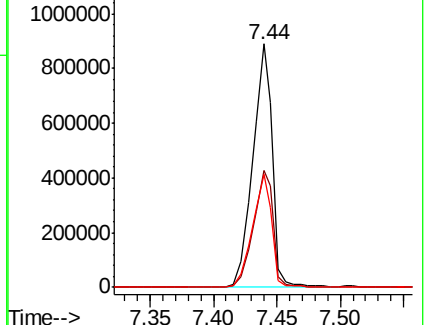
54 46.6 39.0 58.4



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: 47.821 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

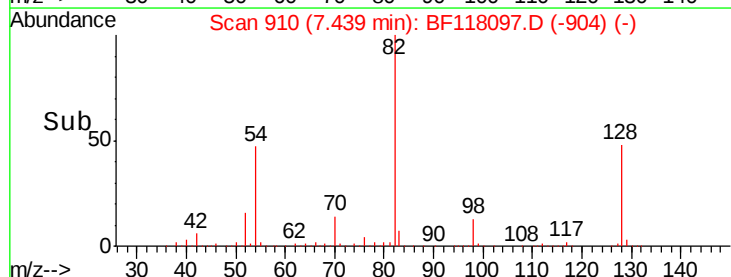
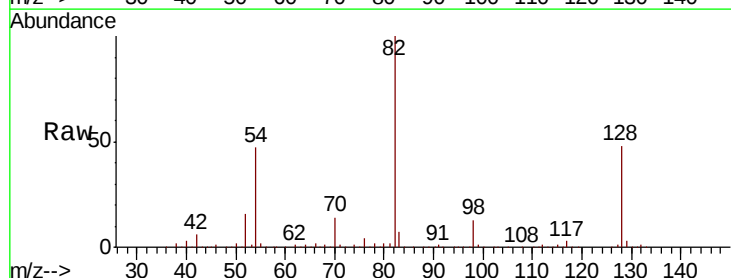
Tgt Ion: 82 Resp: 957766

Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.2#

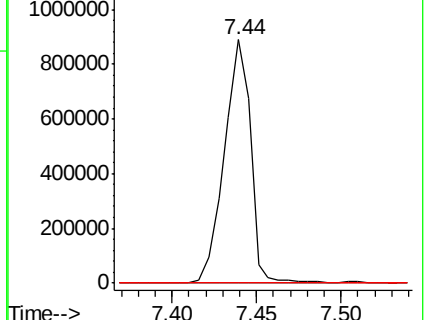
138 0.0 15.9 23.9#

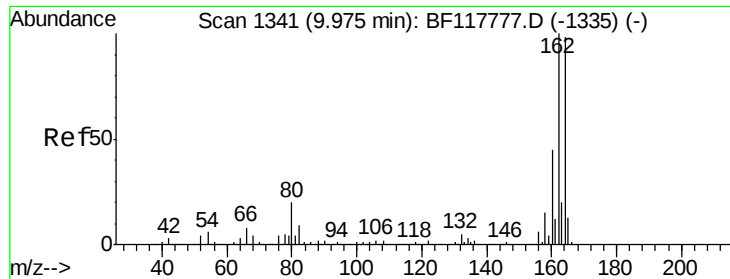


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

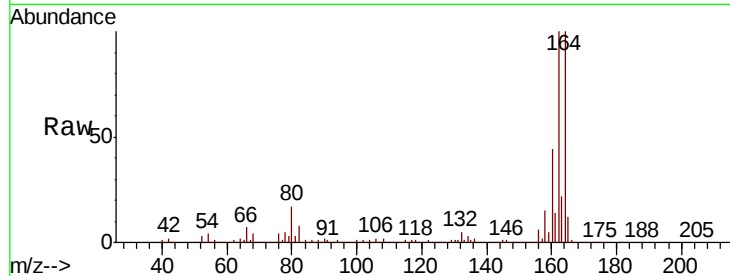




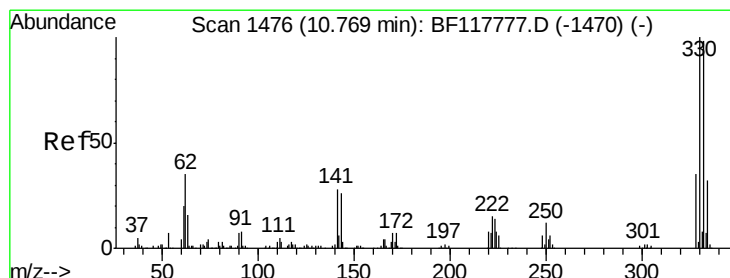
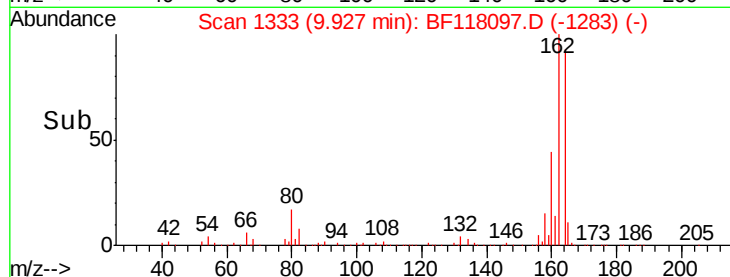
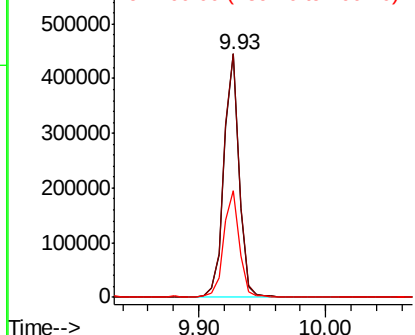
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF118097.D
 Acq: 4 Dec 2019 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 373400
 Ion Ratio Lower Upper
 164 100
 162 100.0 81.8 122.8
 160 43.9 35.9 53.9

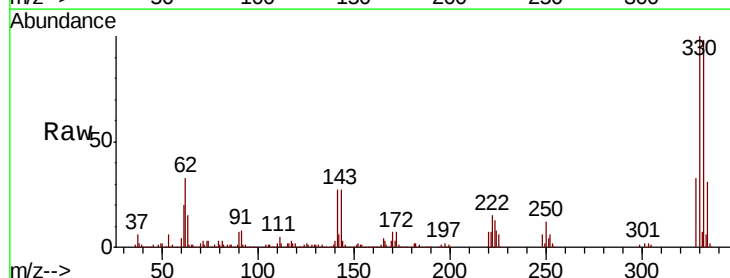


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

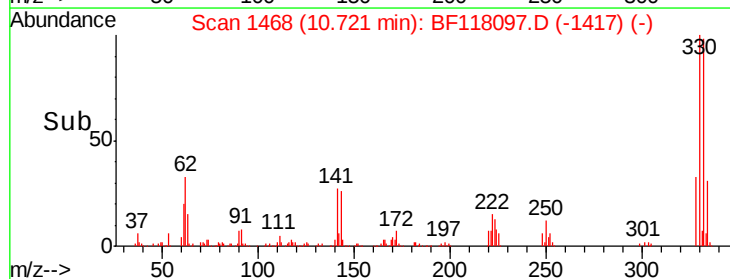
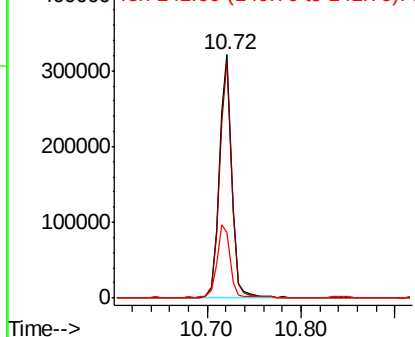


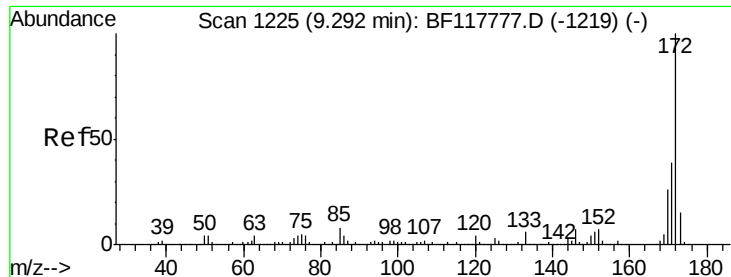
#42
 2,4,6-Tribromophenol
 Concen: 75.064 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF118097.D
 Acq: 4 Dec 2019 20:20

Tgt Ion:330 Resp: 296739
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.3 117.5
 141 32.7 26.4 39.6



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

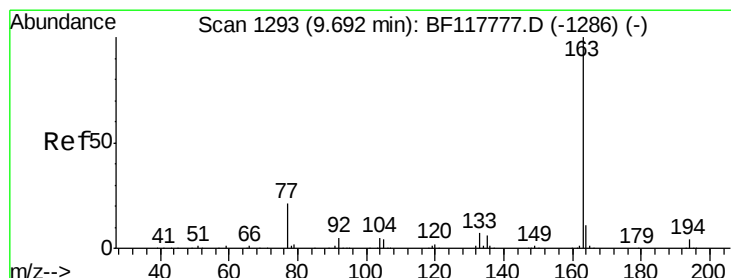
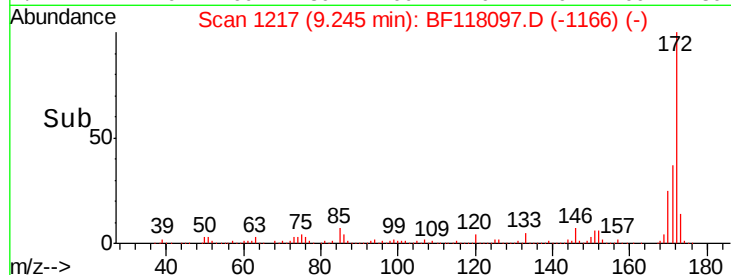
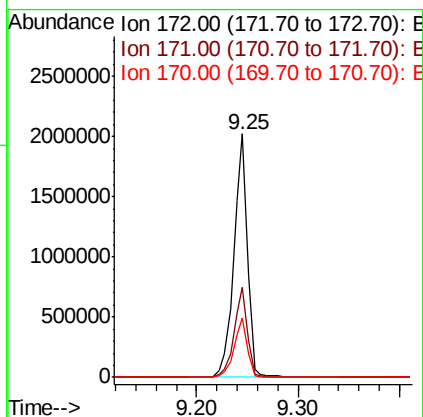
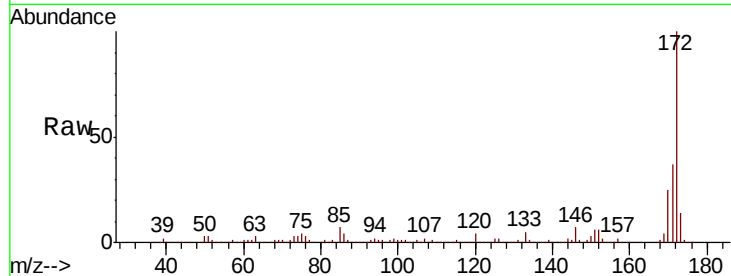




#45
2-Fluorobiphenyl
Concen: 90.459 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF118097.D
Acq: 4 Dec 2019 20:20

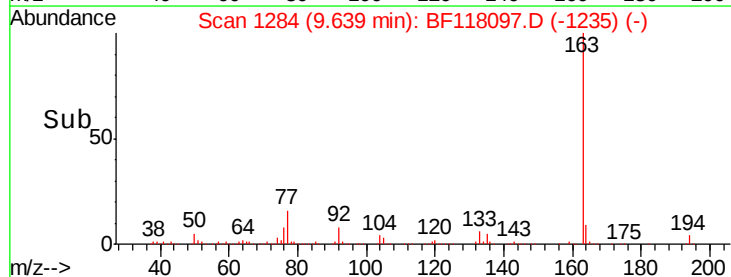
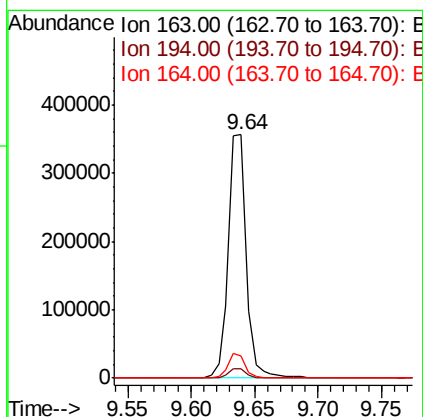
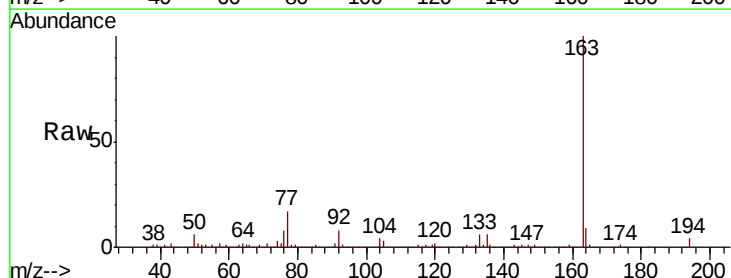
Instrument :
BNA_F
ClientSampled :

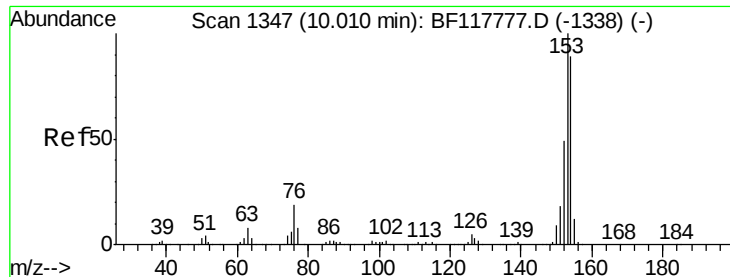
Tot Ion:172 Resp: 1882751
Ion Ratio Lower Upper
172 100
171 36.8 29.2 43.8
170 24.5 19.3 28.9



#50
Dimethylphthalate
Concen: 13.425 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF118097.D
Acq: 4 Dec 2019 20:20

Tgt Ion:163 Resp: 351529
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.4 7.9 11.9





#52

Acenaphthene

Concen: 2.883 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

Instrument :

BNA_F

ClientSampleId :

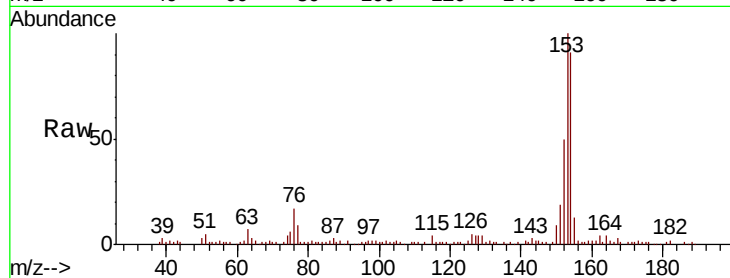
Tot Ion:154 Resp: 61366

Ion Ratio Lower Upper

154 100

153 109.4 91.2 136.8

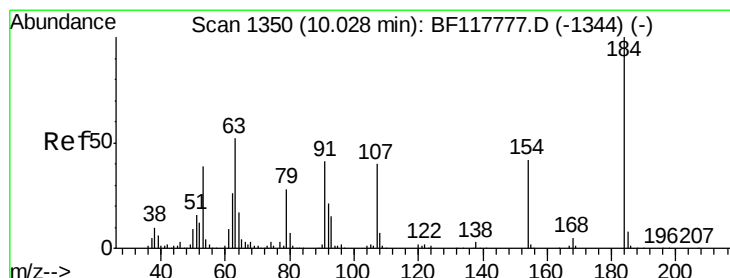
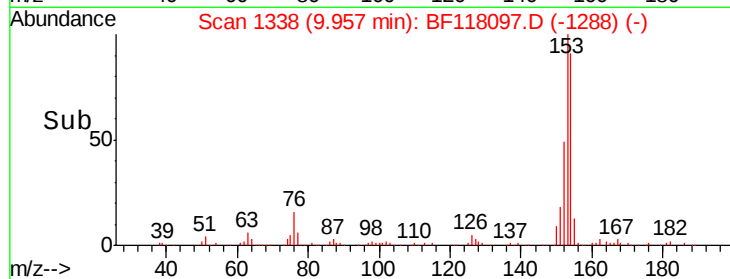
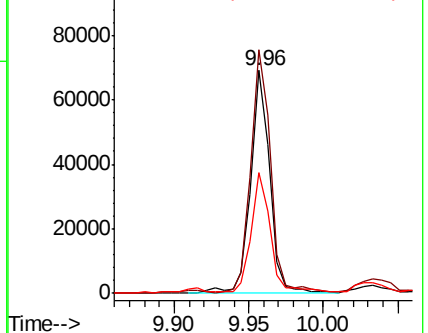
152 54.5 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 7.259 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.08 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

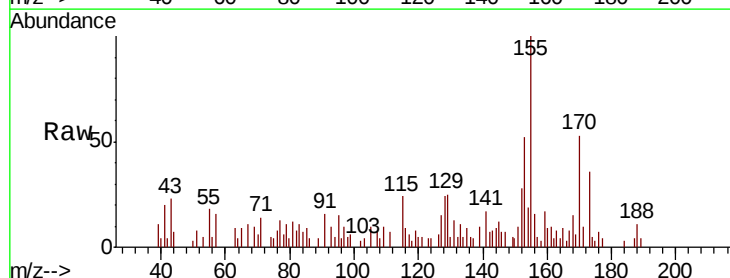
Tgt Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

63 266.2 45.3 67.9#

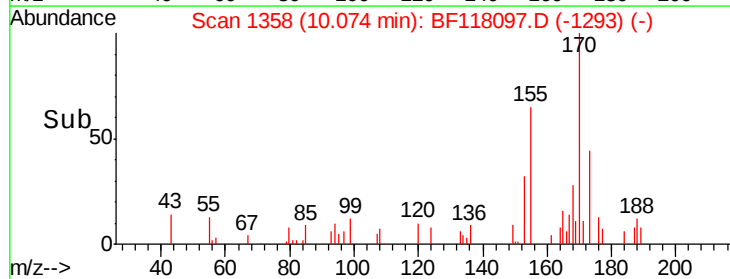
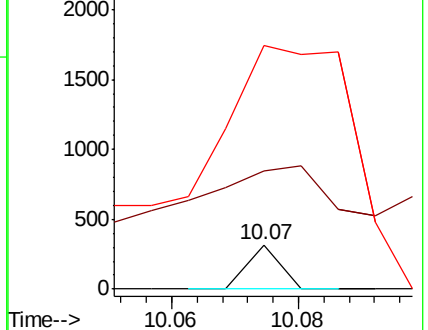
154 549.8 51.6 77.4#

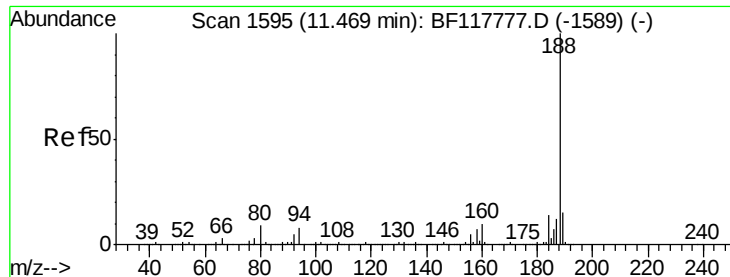


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

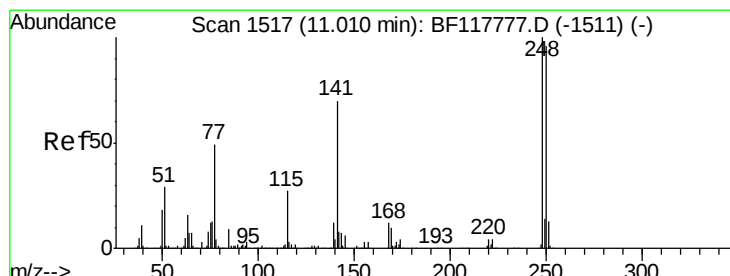
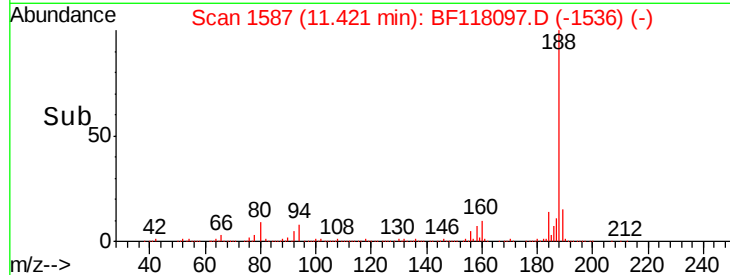
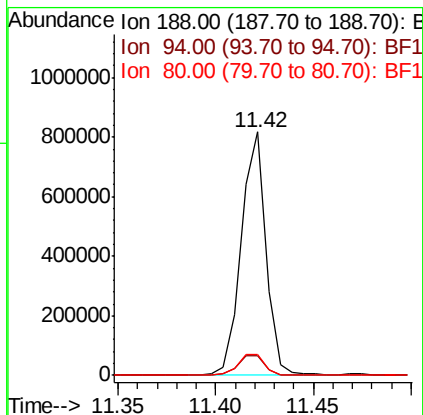
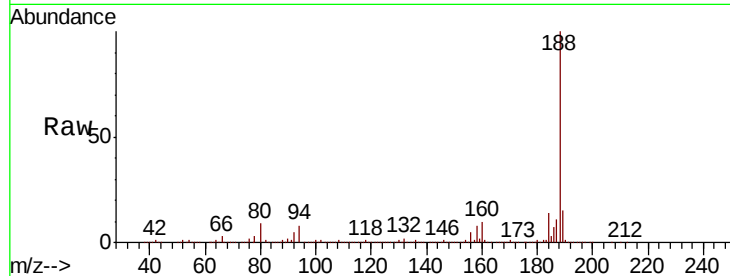




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF118097.D
Acq: 4 Dec 2019 20:20

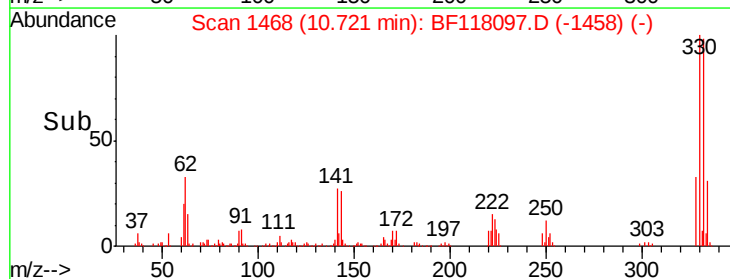
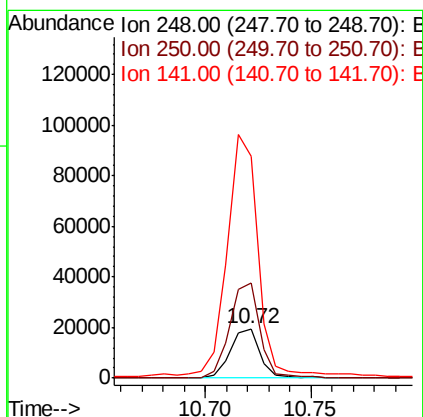
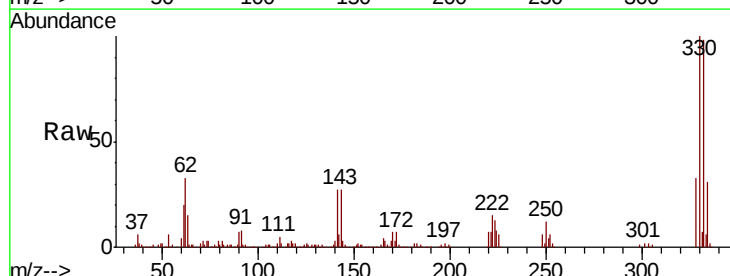
Instrument :
BNA_F
ClientSampleId :

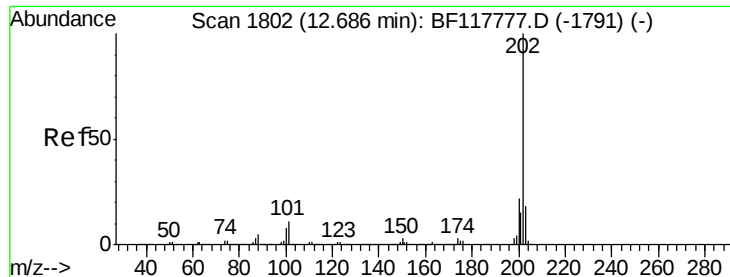
Tot Ion:188 Resp: 719569
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 8.6 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.413 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118097.D
Acq: 4 Dec 2019 20:20

Tgt Ion:248 Resp: 18736
Ion Ratio Lower Upper
248 100
250 192.8 78.0 117.0#
141 451.0 64.0 96.0#





#75

Fluoranthene

Concen: Below Cal

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

Instrument :

BNA_F

ClientSampled :

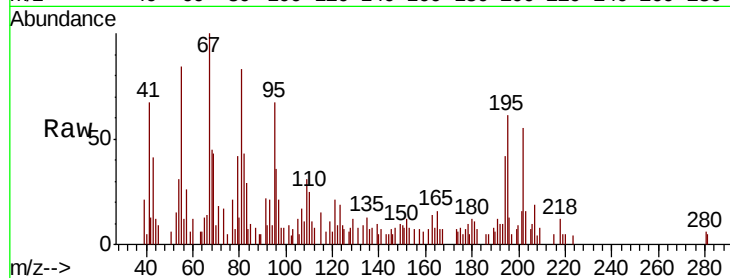
Tot Ion:202 Resp: 3335

Ion Ratio Lower Upper

202 100

101 16.4 0.0 31.5

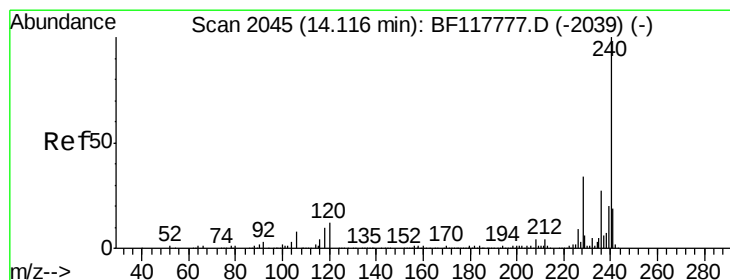
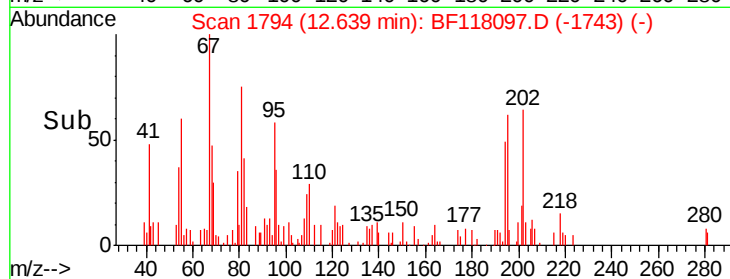
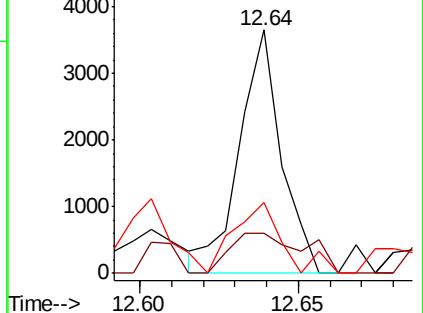
203 29.1 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

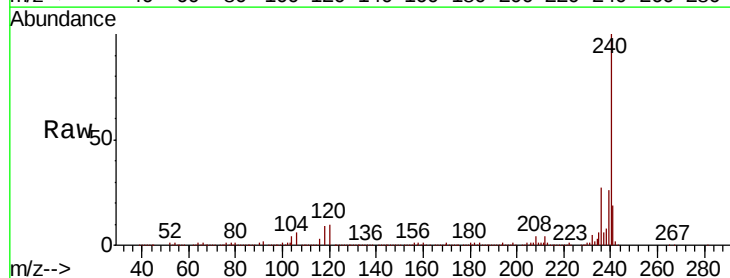
Tgt Ion:240 Resp: 525822

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

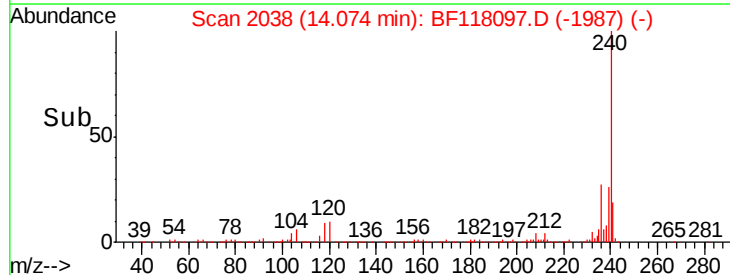
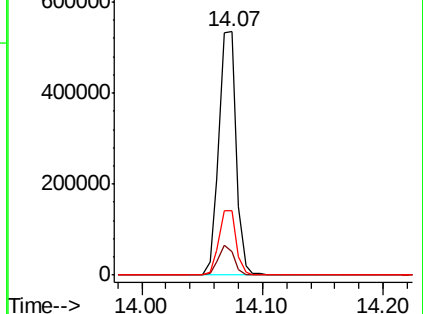
236 26.5 20.6 31.0

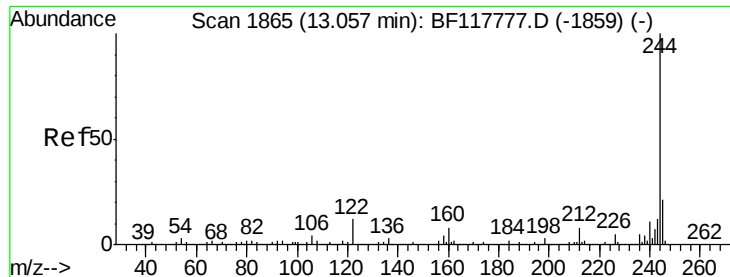


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 84.505 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

Instrument :

BNA_F

ClientSampleId :

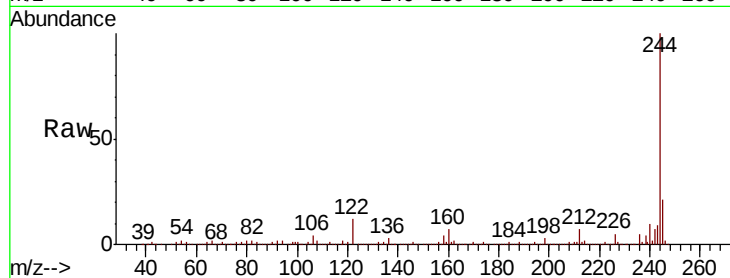
Tot Ion:244 Resp: 2431289

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.2	7.8
122	11.6	7.2	10.8

244 100

212 7.2 5.2 7.8

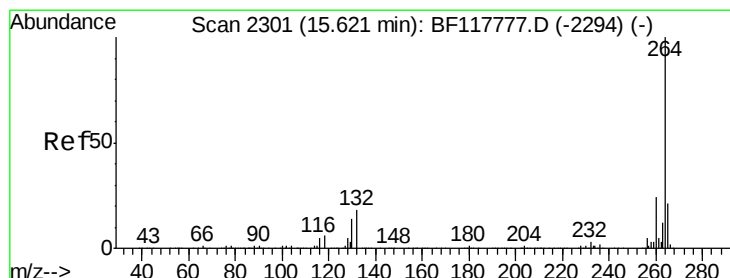
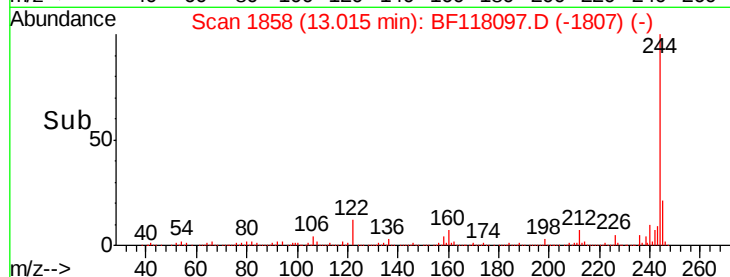
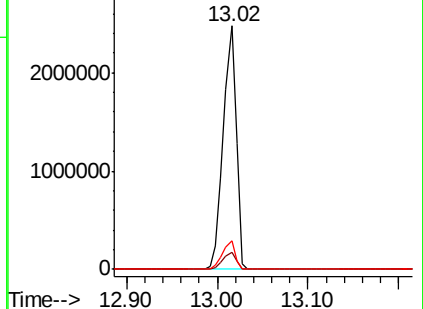
122 11.6 7.2 10.8



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: 15.57 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BF118097.D

Acq: 4 Dec 2019 20:20

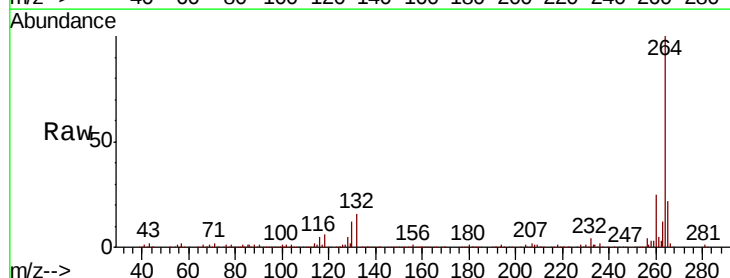
Tgt Ion:264 Resp: 395224

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	21.9	16.4	24.6

264 100

260 24.6 19.0 28.6

265 21.9 16.4 24.6



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

