

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116097.D
 Acq On : 9 Aug 2019 4:44
 Operator : HP/JU
 Sample : K4154-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:18:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

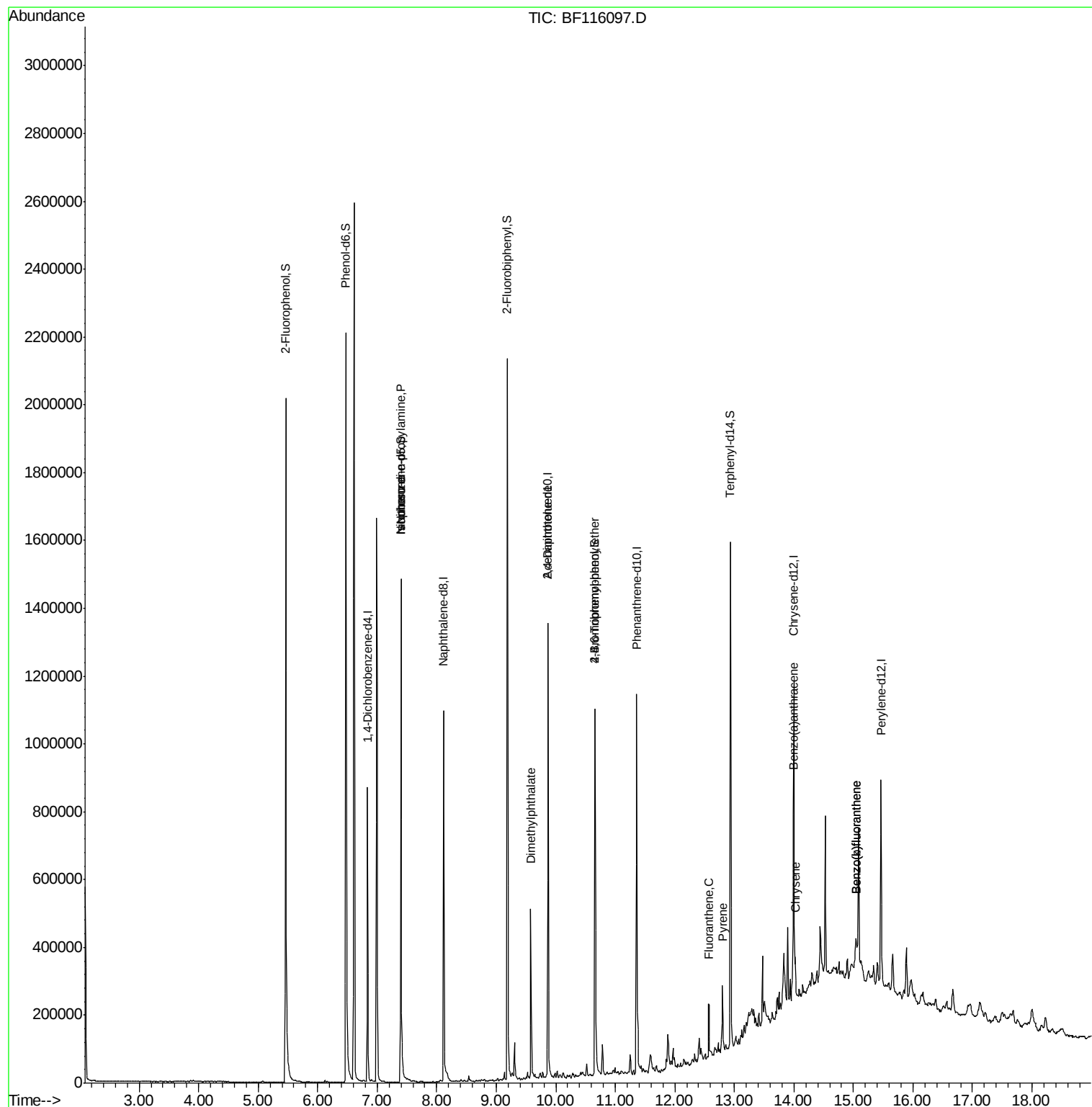
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	134402	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	539275	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	267206	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	389660	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	295404	20.00	ng	-0.01
87) Perylene-d12	15.46	264	278887	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	651674	81.17	ng	0.00
7) Phenol-d6	6.47	99	856518	84.56	ng	-0.01
23) Nitrobenzene-d5	7.40	82	490083	52.46	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	157268	60.71	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	723195	50.69	ng	-0.01
79) Terphenyl-d14	12.94	244	539115	38.46	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	66264	10.557	ng	# 79
25) Isophorone	7.40	82	490080	27.434	ng	# 65
50) Dimethylphthalate	9.59	163	227544	12.507	ng	98
57) 2,4-Dinitrotoluene	9.87	165	34619	6.576	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	9387	2.250	ng	# 1
75) Fluoranthene	12.57	202	68503	3.285	ng	100
78) Pyrene	12.80	202	86638	3.891	ng	98
81) Benzo(a)anthracene	13.99	228	40263	2.132	ng	97
83) Chrysene	14.03	228	44703	2.439	ng	99
88) Benzo(b)fluoranthene	15.04	252	51030	3.165	ng	# 86
89) Benzo(k)fluoranthene	15.04	252	51030	3.249	ng	# 85

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

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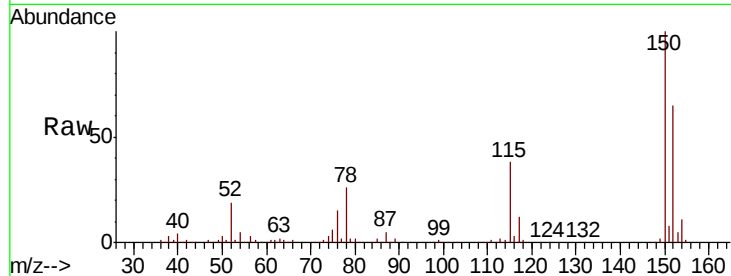


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	58.8	49.9	74.9

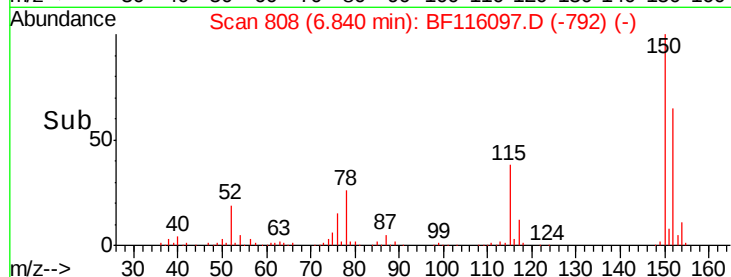
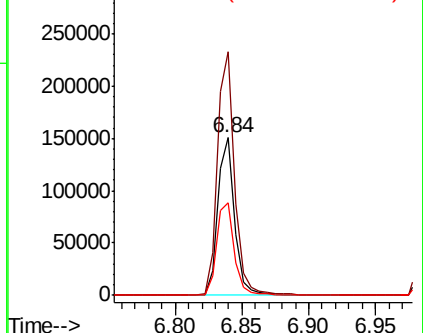


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

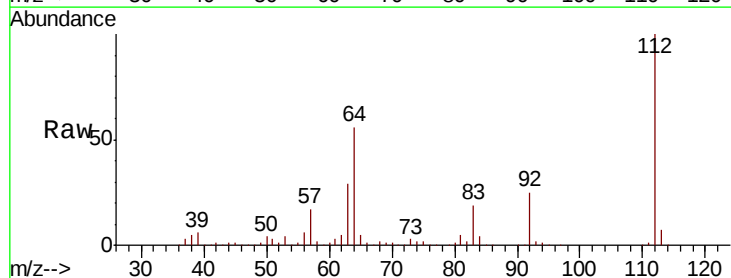
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.170 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.4	68.2
63	29.4	23.7	35.5

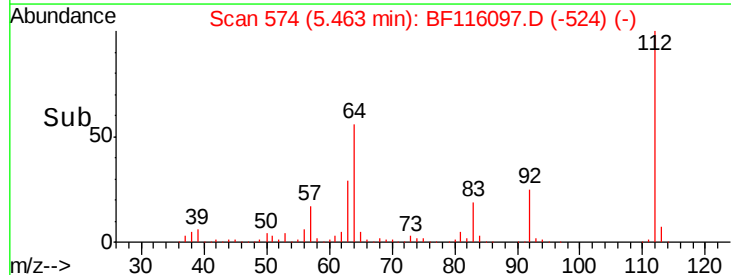
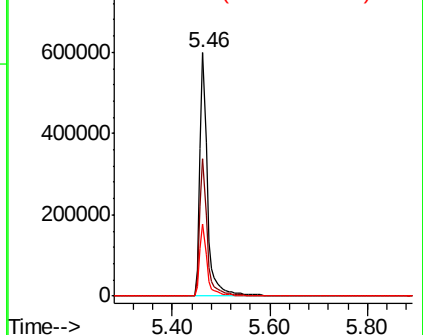


Abundance

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: 84.558 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

Instrument :

BNA_F

ClientSampleId :

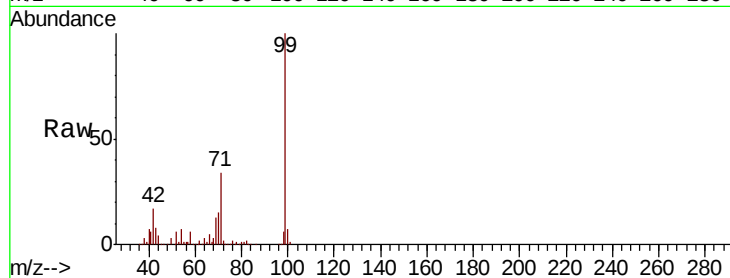
Tot Ion: 99 Resp: 856518

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

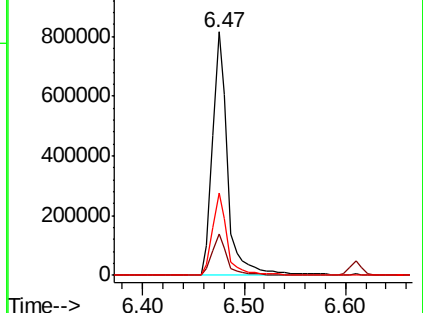
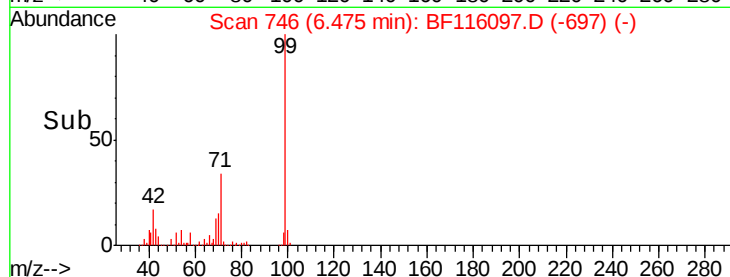
71 33.9 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.557 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

Tgt Ion: 70 Resp: 66264

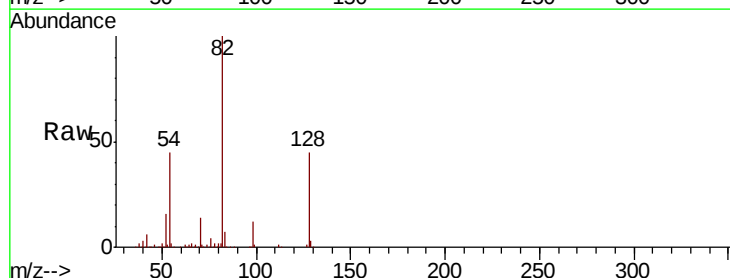
Ion Ratio Lower Upper

70 100

42 43.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

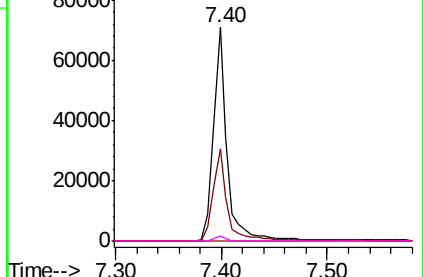
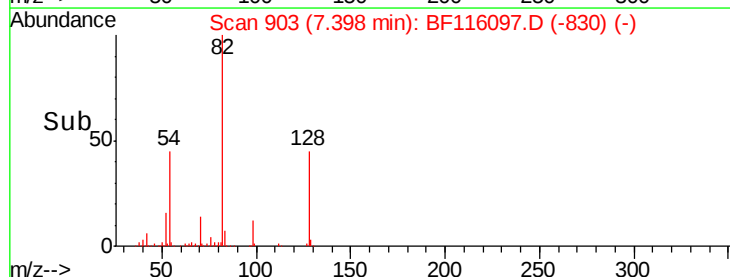


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 539275

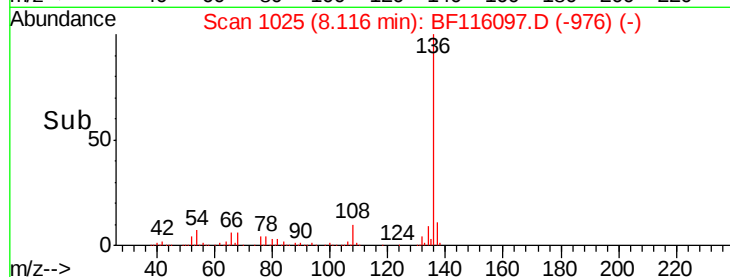
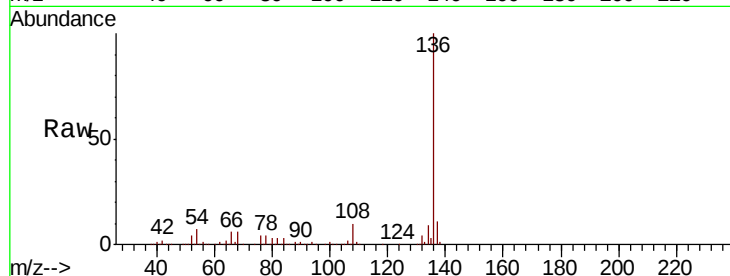
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.3 5.8 8.6

68 6.4 5.2 7.8

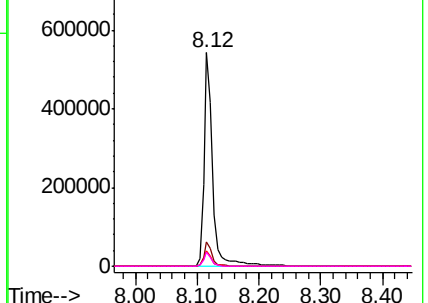


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.458 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

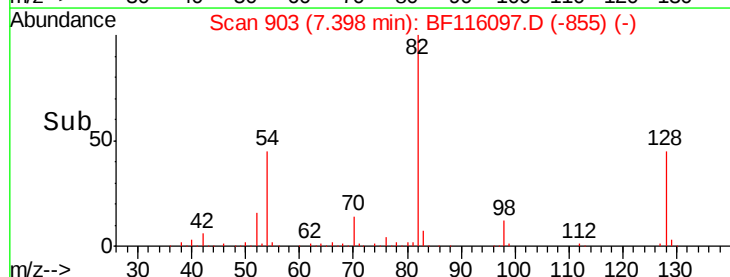
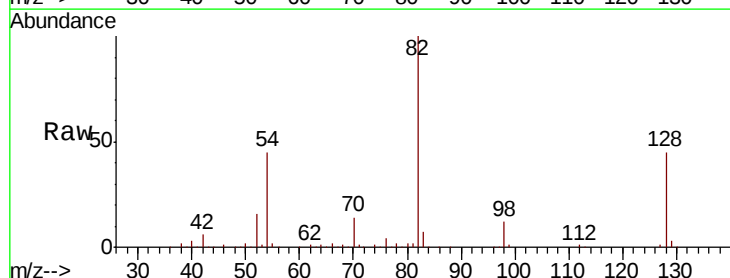
Tgt Ion: 82 Resp: 490083

Ion Ratio Lower Upper

82 100

128 45.3 36.5 54.7

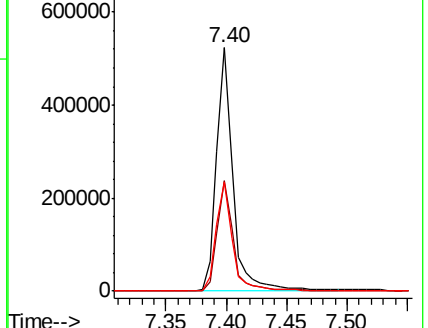
54 45.1 36.0 54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.434 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

Instrument :

BNA_F

ClientSampleId :

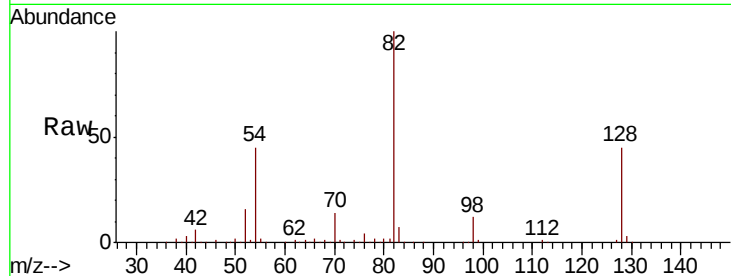
Tot Ion: 82 Resp: 490080

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

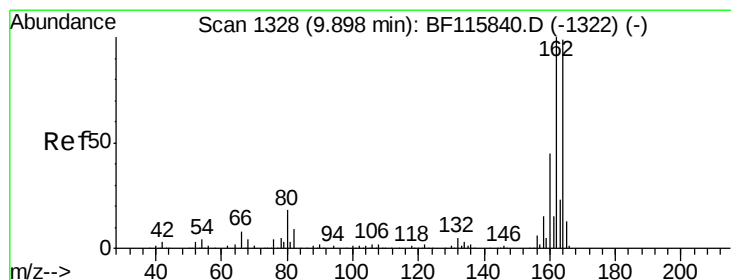
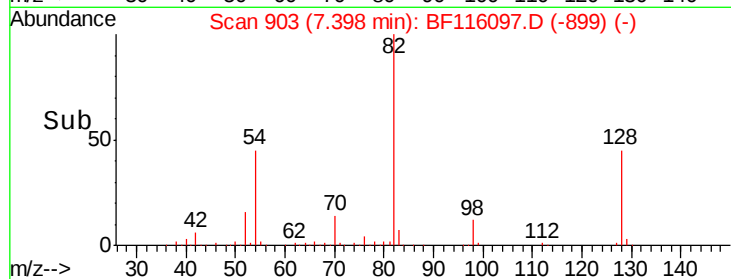
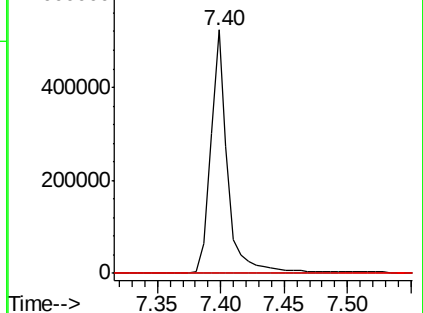
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

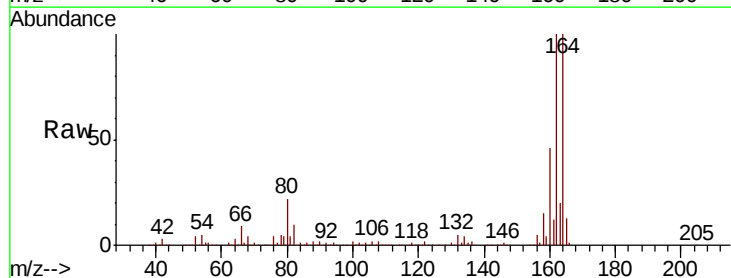
Tgt Ion: 164 Resp: 267206

Ion Ratio Lower Upper

164 100

162 99.9 82.6 124.0

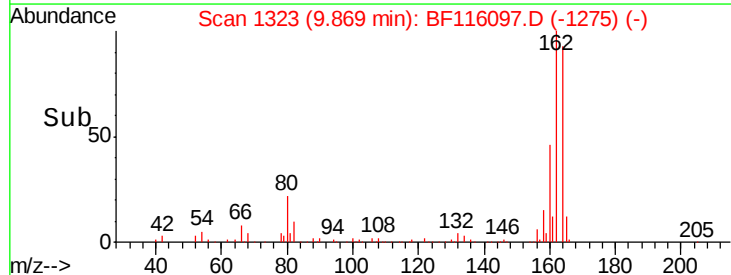
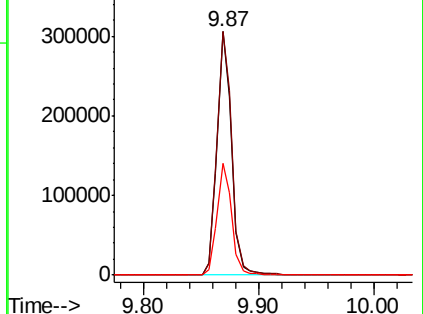
160 45.7 37.6 56.4



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: 60.706 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

Instrument :

BNA_F

ClientSampleId :

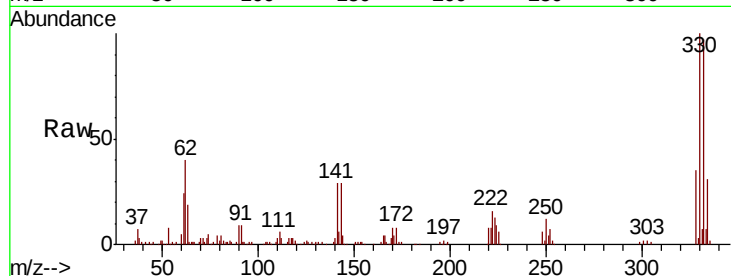
Tot Ion:330 Resp: 157268

Ion Ratio Lower Upper

330 100

332 97.0 76.8 115.2

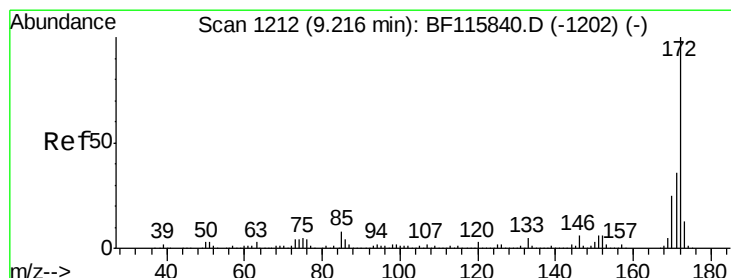
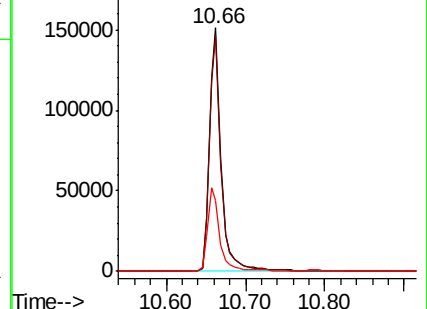
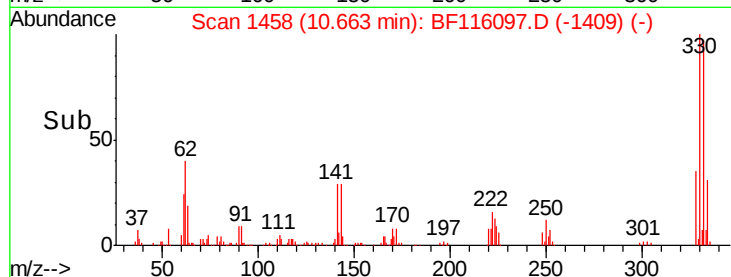
141 35.5 26.3 39.5



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: 50.695 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116097.D

Acq: 9 Aug 2019 4:44

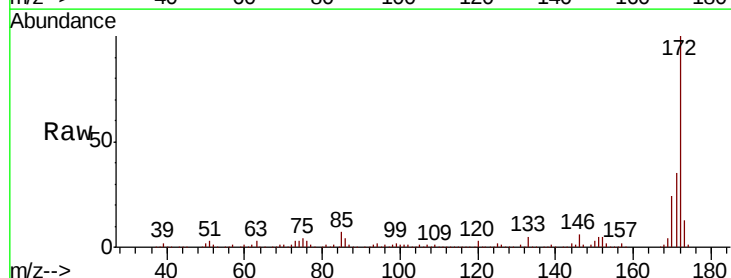
Tgt Ion:172 Resp: 723195

Ion Ratio Lower Upper

172 100

171 35.3 29.6 44.4

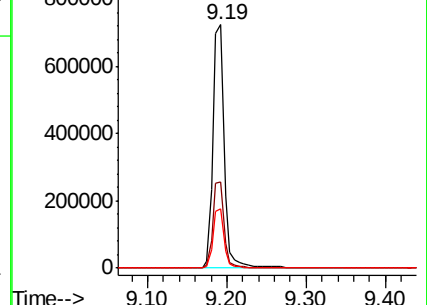
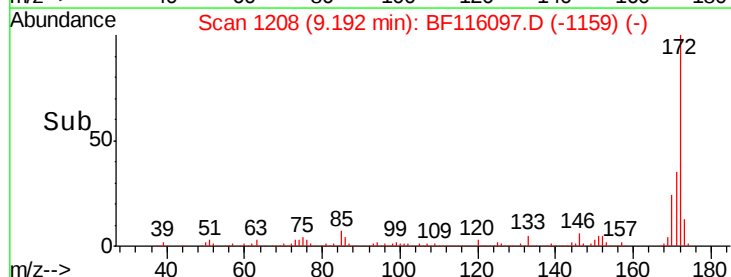
170 24.2 20.1 30.1

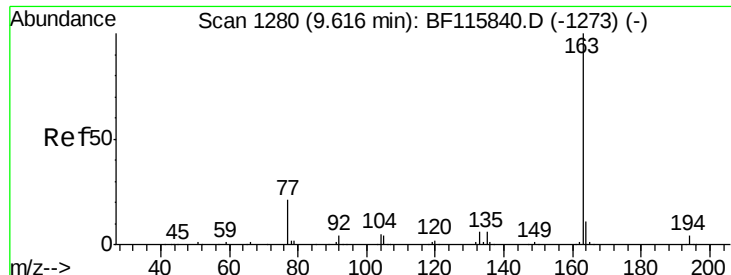


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

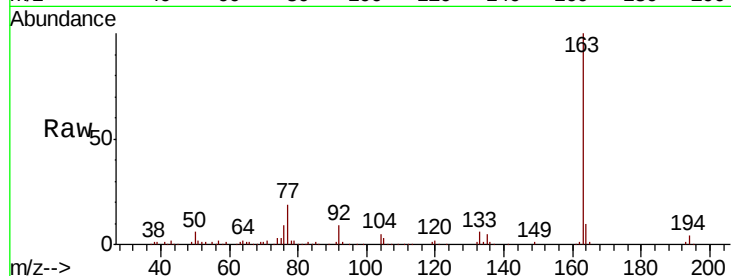




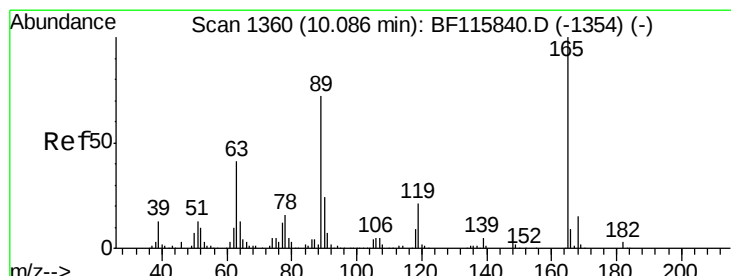
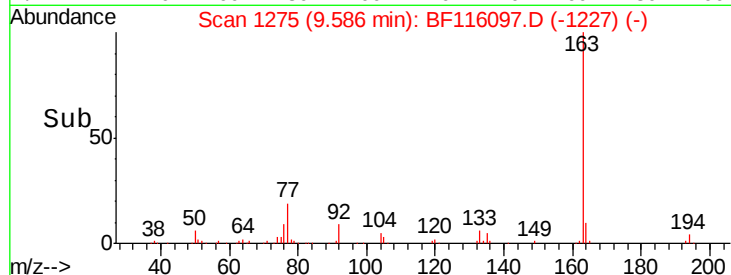
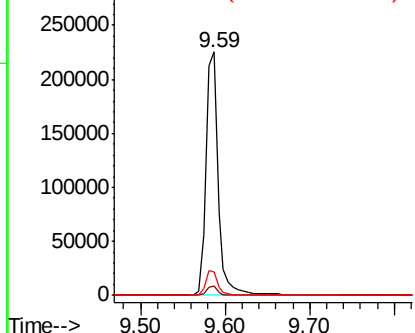
#50
Dimethylphthalate
Concen: 12.507 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.8	8.4	12.6



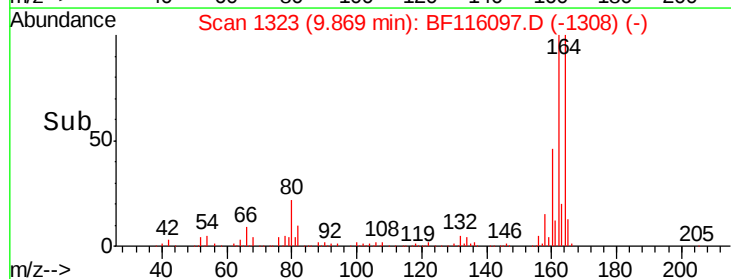
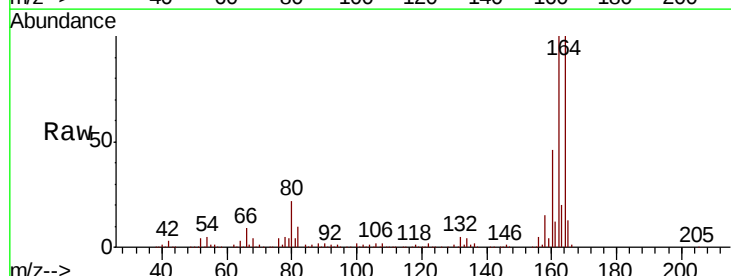
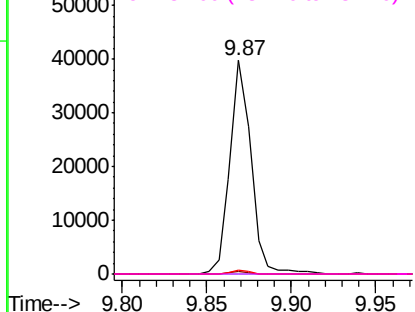
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.576 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	1.9	62.2	93.2#
182	0.0	2.1	3.1#

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

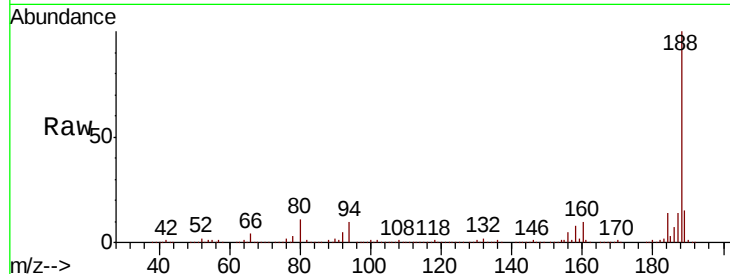




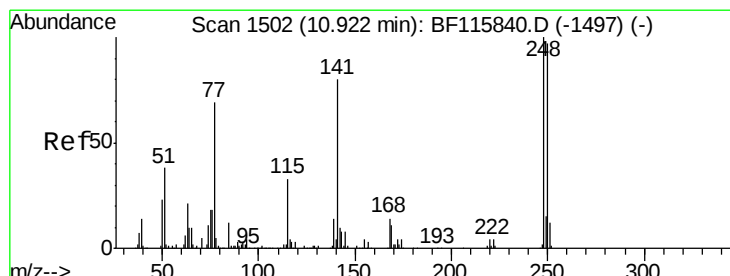
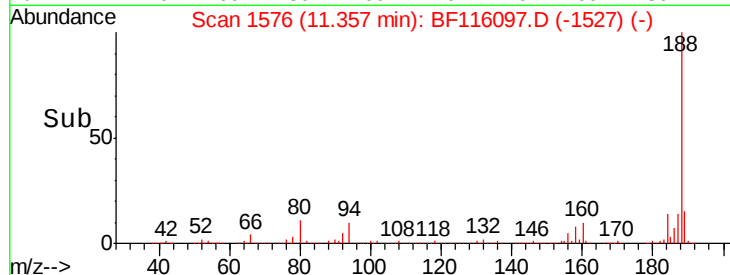
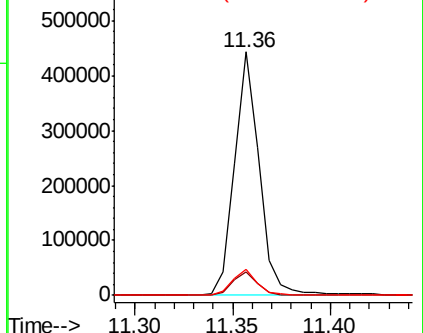
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116097.D
 Acq: 9 Aug 2019 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 389660
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.1 12.1
 80 10.7 8.7 13.1

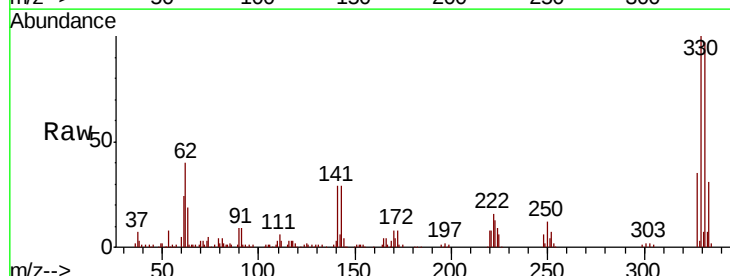


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

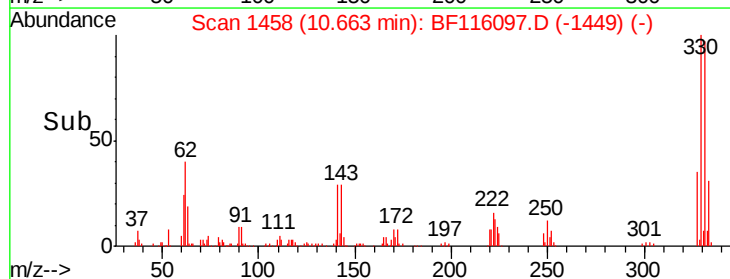
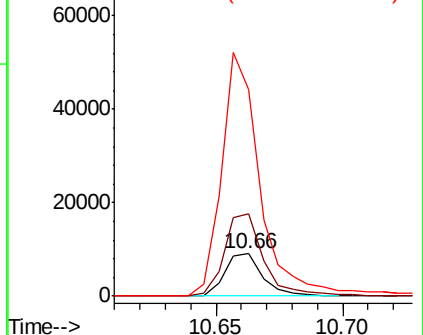


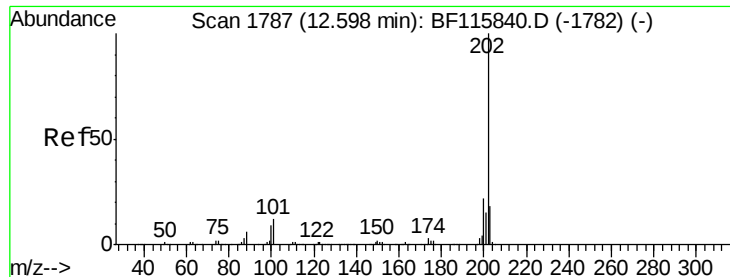
#67
 4-Bromophenyl-phenylether
 Concen: 2.250 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116097.D
 Acq: 9 Aug 2019 4:44

Tgt Ion:248 Resp: 9387
 Ion Ratio Lower Upper
 248 100
 250 194.4 77.4 116.2#
 141 490.2 56.8 85.2#



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





#75

Fluoranthene

Concen: 3.285 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116097.D

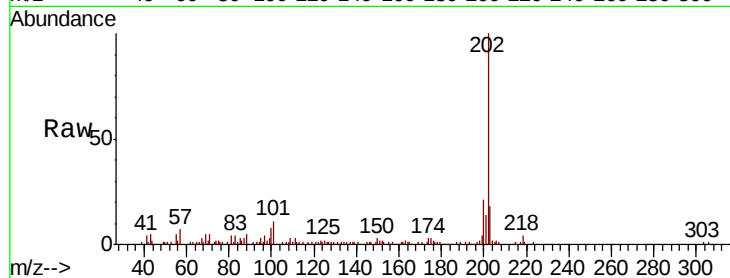
Acq: 9 Aug 2019 4:44

Instrument :

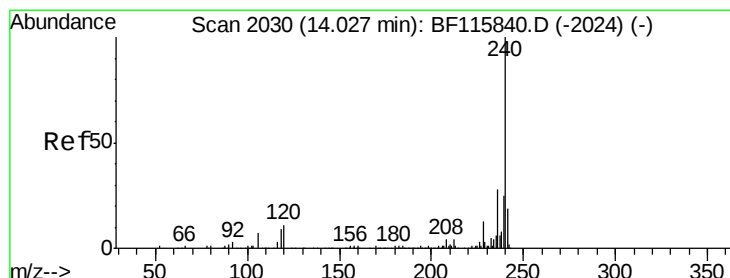
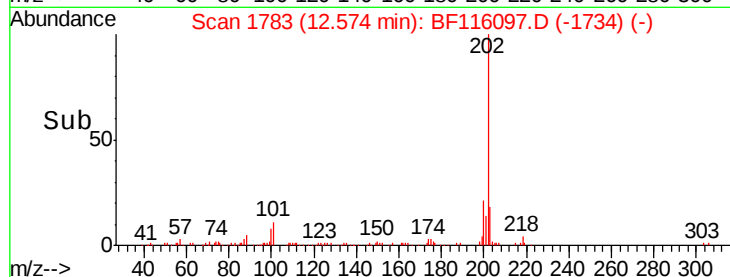
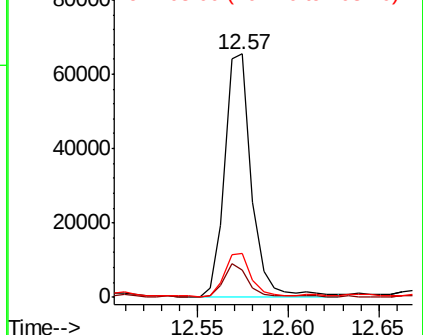
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	68503
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.2
203	17.9	0.0	37.8



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

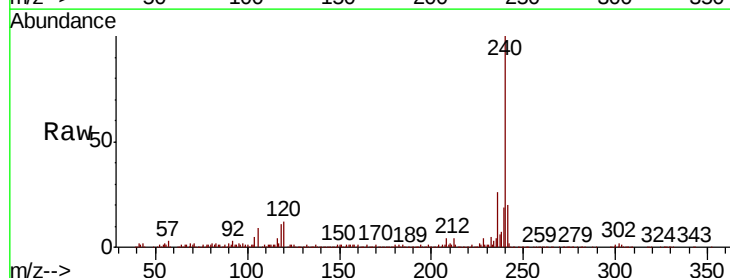
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

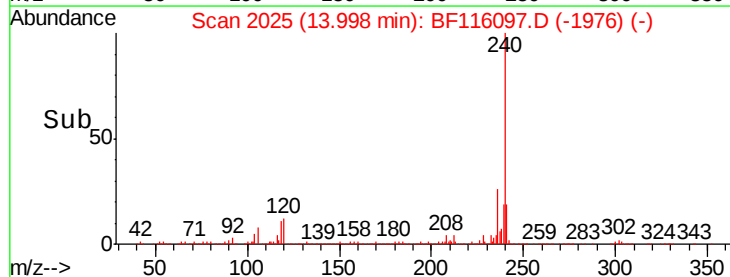
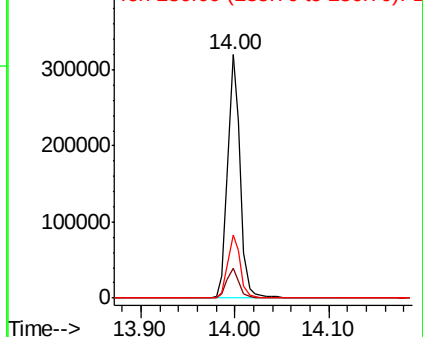
Lab File: BF116097.D

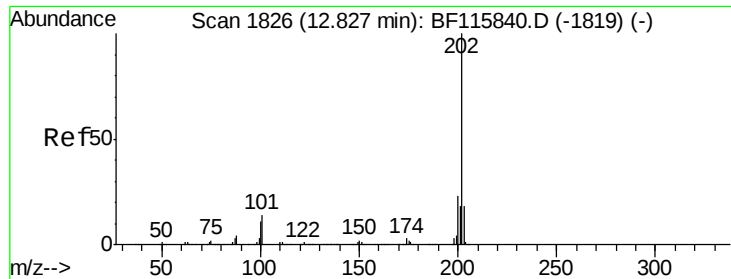
Acq: 9 Aug 2019 4:44

Tgt Ion:	240	Resp:	295404
Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	26.1	22.2	33.2



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

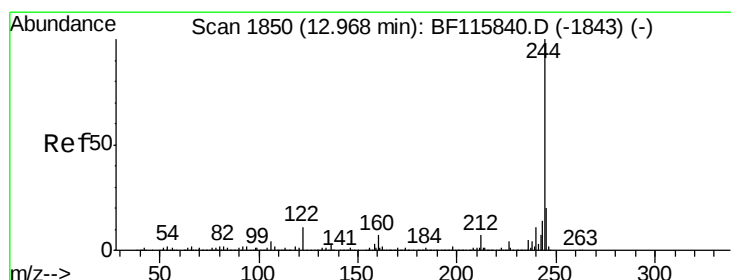
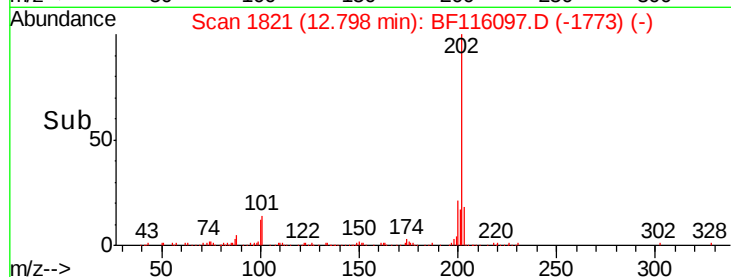
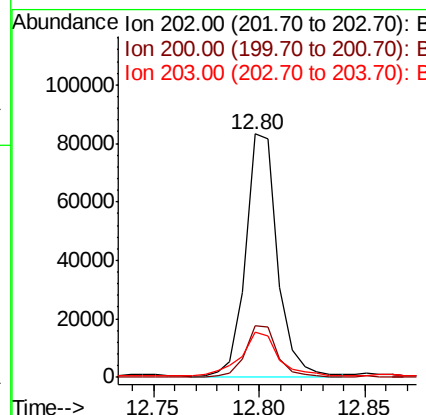
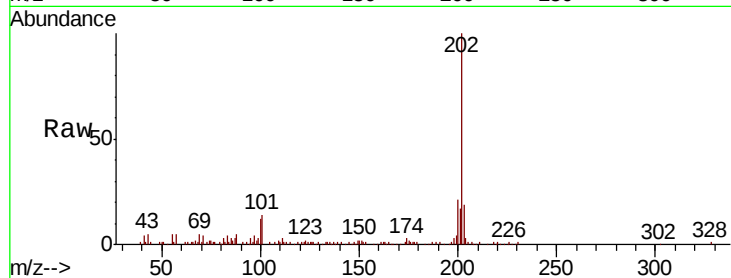




#78
Pvrene
Concen: 3.891 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

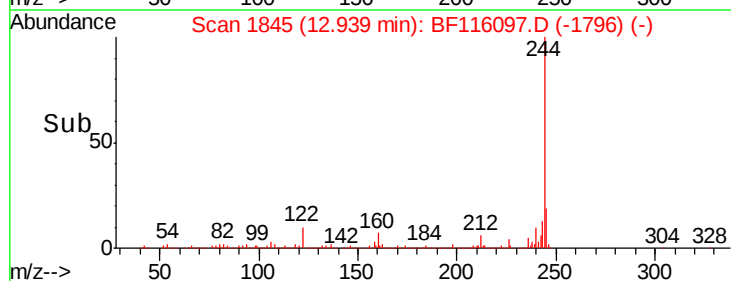
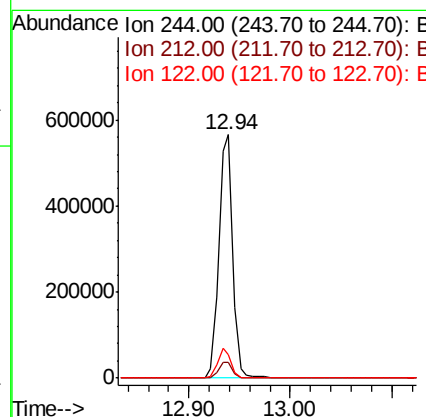
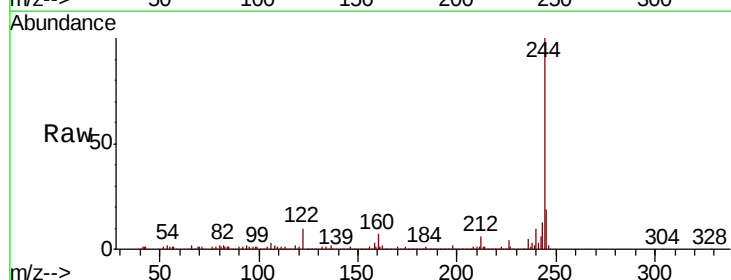
Instrument :
BNA_F
ClientSampled :

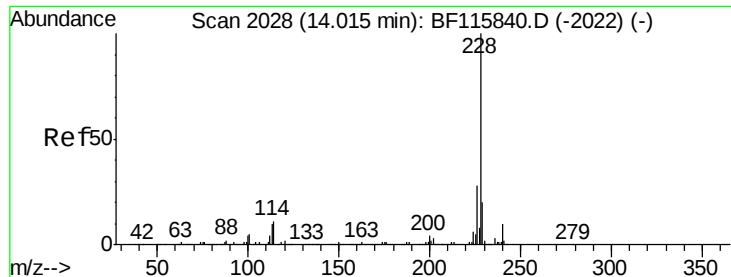
Tot Ion:202 Resp: 86638
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 18.6 14.1 21.1



#79
Terphenyl-d14
Concen: 38.456 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Tgt Ion:244 Resp: 539115
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.8
122 9.9 9.0 13.4

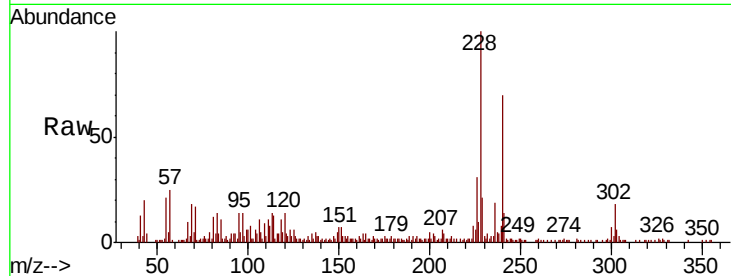




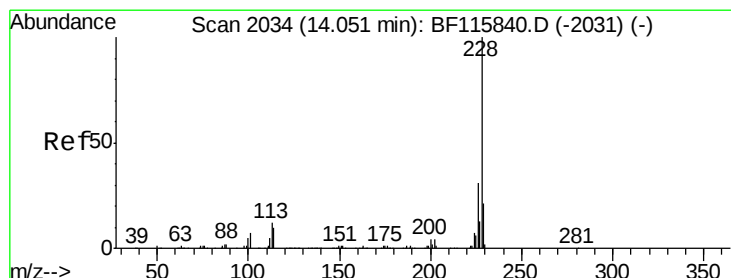
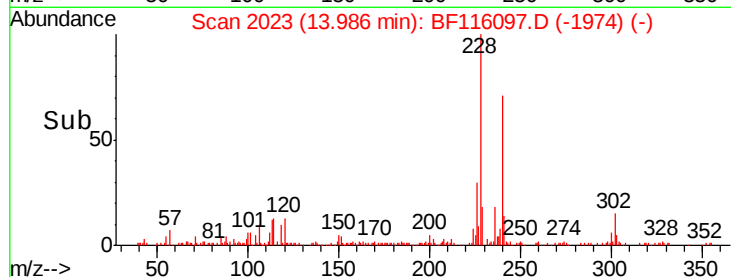
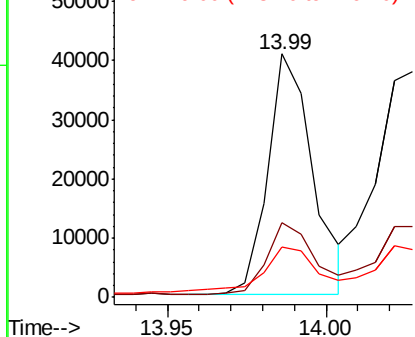
#81
Benzo(a)anthracene
Concen: 2.132 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 40263
Ion Ratio Lower Upper
228 100
226 30.8 22.7 34.1
229 20.7 16.2 24.4

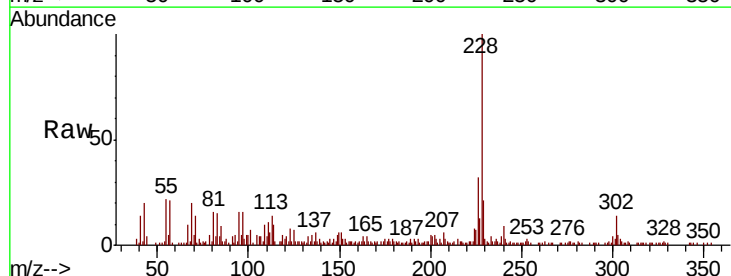


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

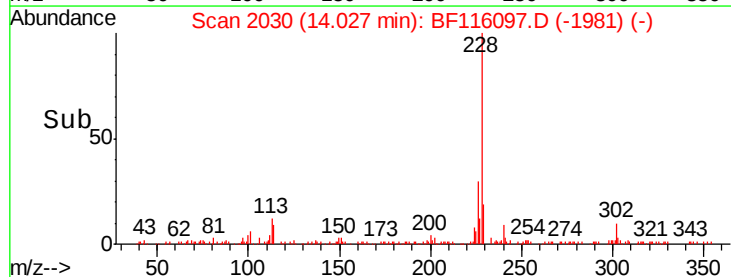
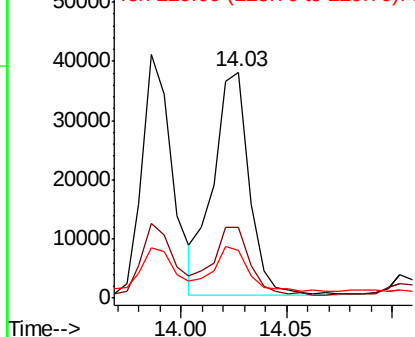


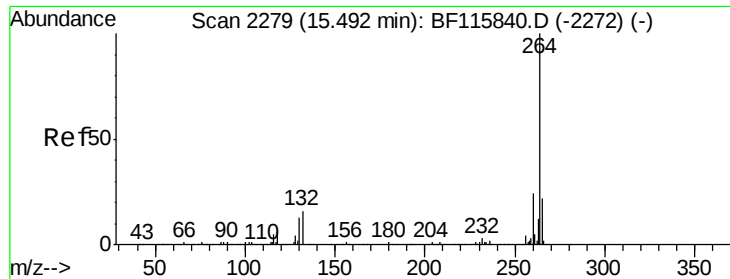
#83
Chrysene
Concen: 2.439 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Tgt Ion:228 Resp: 44703
Ion Ratio Lower Upper
228 100
226 31.5 25.5 38.3
229 21.2 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

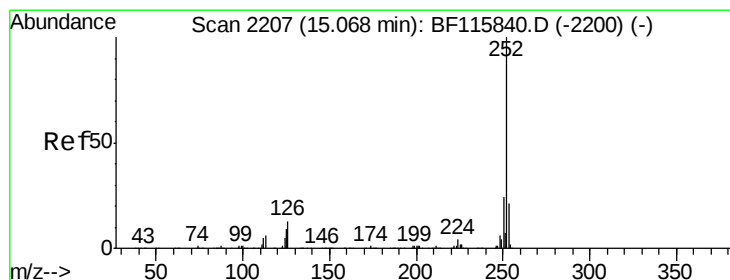
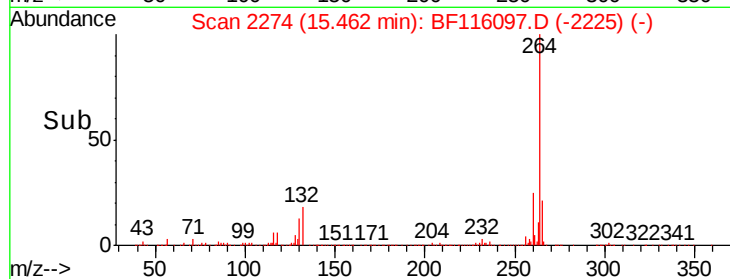
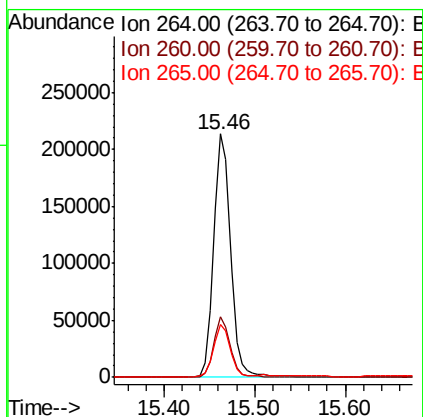
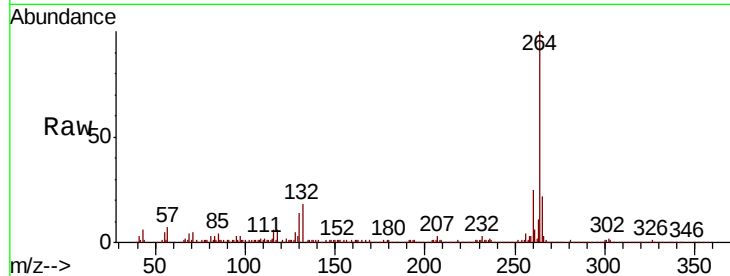




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

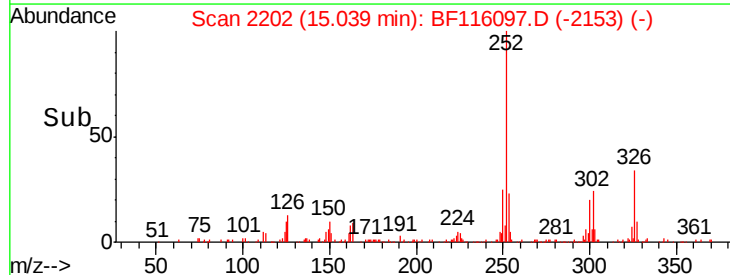
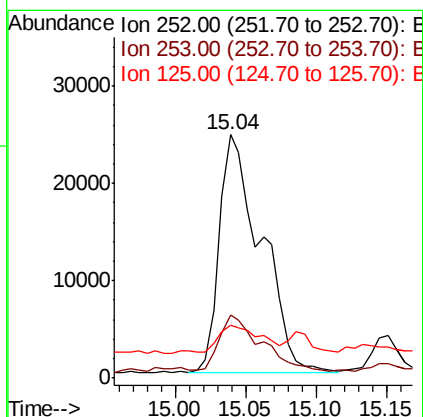
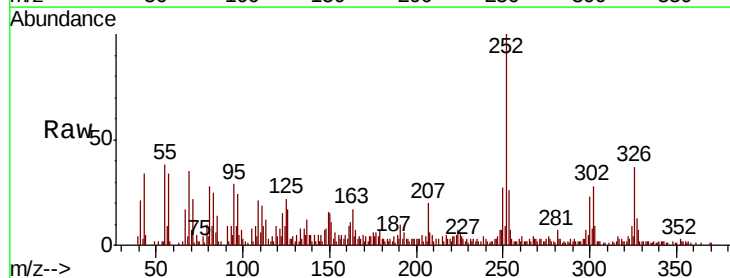
Instrument :
BNA_F
ClientSampleId :

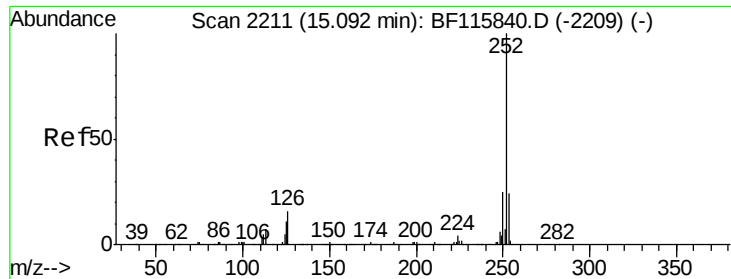
Tot Ion:264 Resp: 278887
Ion Ratio Lower Upper
264 100
260 24.7 19.7 29.5
265 21.6 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 3.165 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116097.D
Acq: 9 Aug 2019 4:44

Tgt Ion:252 Resp: 51030
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.8
125 21.6 8.4 12.6#





#89
 Benzo(k)fluoranthene
 Concen: 3.249 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.04 min
 Lab File: BF116097.D
 Acq: 9 Aug 2019 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.8
125	21.6	7.7	11.5

