

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116412.D
 Acq On : 20 Aug 2019 2:26
 Operator : HP/JU
 Sample : K4223-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-11

Quant Time: Aug 20 03:45:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

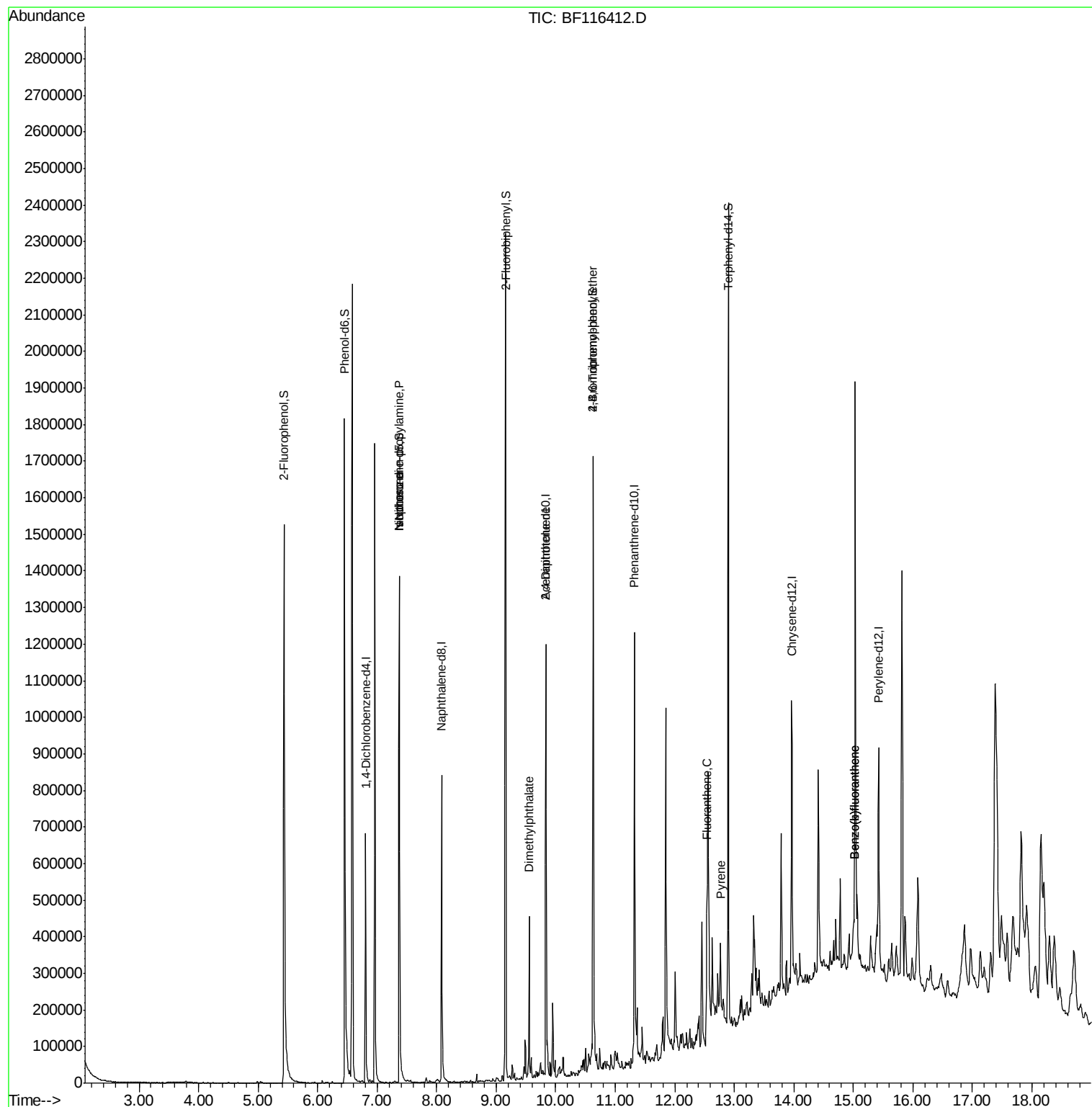
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102169	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	405985	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	219573	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	387306	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	250509	20.00	ng	-0.02
87) Perylene-d12	15.42	264	296814	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	576797	94.51	ng	0.00
7) Phenol-d6	6.45	99	770727	100.09	ng	-0.01
23) Nitrobenzene-d5	7.37	82	478035	67.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	209439	98.38	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	744917	63.55	ng	-0.01
79) Terphenyl-d14	12.90	244	712341	59.92	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	62450	13.088	ng	# 79
25) Isophorone	7.37	82	478035	35.545	ng	# 65
50) Dimethylphthalate	9.55	163	165168	11.048	ng	98
57) 2,4-Dinitrotoluene	9.83	165	28512	6.591	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	12710	3.066	ng	# 1
75) Fluoranthene	12.54	202	60044	2.897	ng	97
78) Pyrene	12.77	202	49253	2.608	ng	98
88) Benzo(b)fluoranthene	15.01	252	50169	2.923	ng	# 87
89) Benzo(k)fluoranthene	15.01	252	50169	3.001	ng	# 87

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

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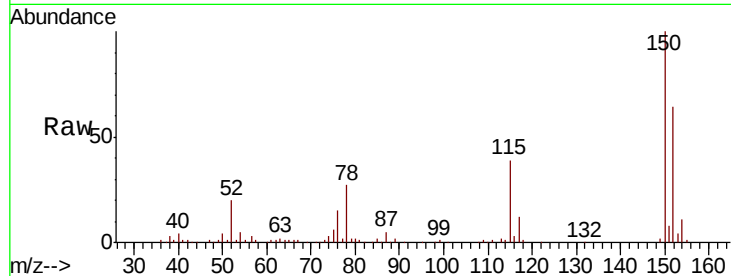




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116412.D
 Acq: 20 Aug 2019 2:26

Instrument :
 BNA_F
 ClientSampleID :
 SP-11

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	60.1	49.9	74.9

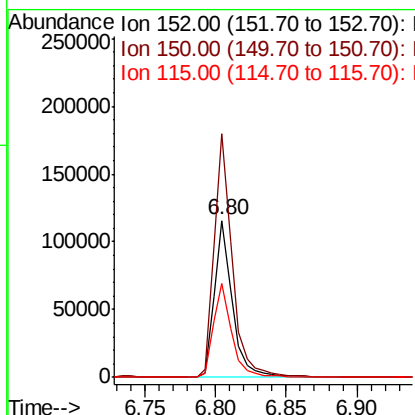
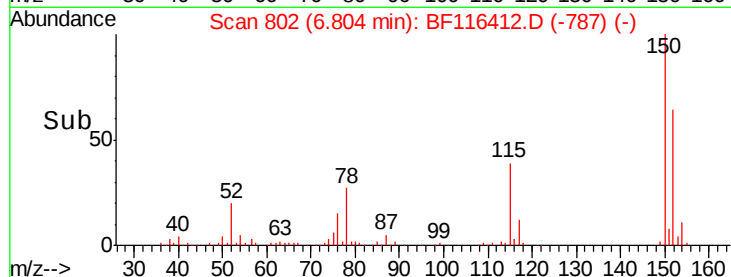


Abundance

Ion 152.00 (151.70 to 152.70): E

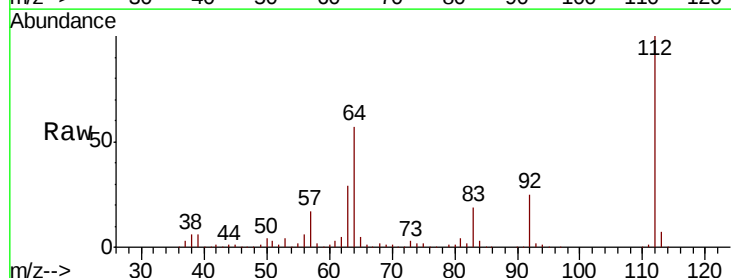
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 94.509 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF116412.D
 Acq: 20 Aug 2019 2:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.4	68.2
63	29.2	23.7	35.5

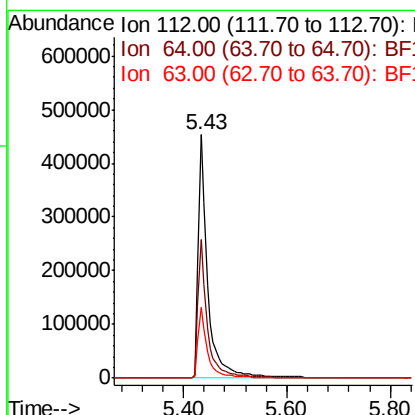
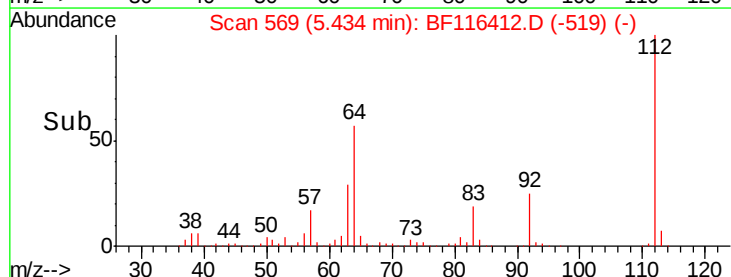


Abundance

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: 100.093 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Instrument :

BNA_F

ClientSampleId :

SP-11

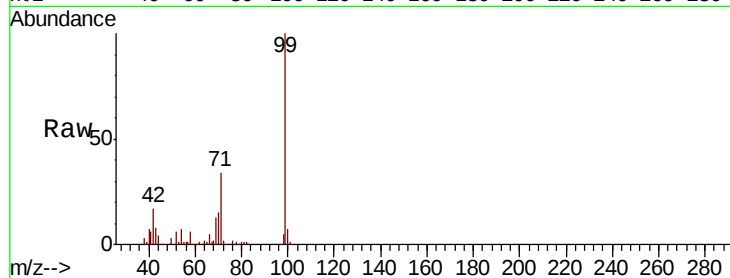
Tgt Ion: 99 Resp: 770727

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

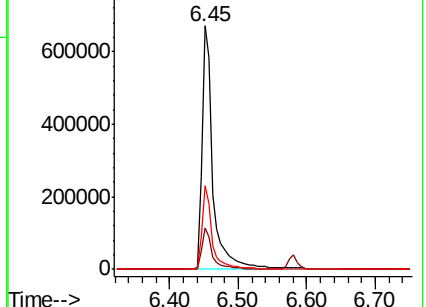
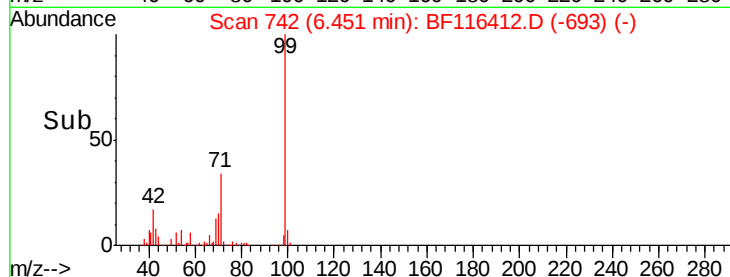
71 34.3 27.3 40.9



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: 13.088 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Tgt Ion: 70 Resp: 62450

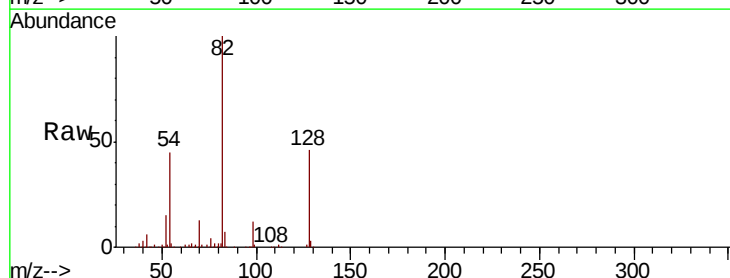
Ion Ratio Lower Upper

70 100

42 42.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

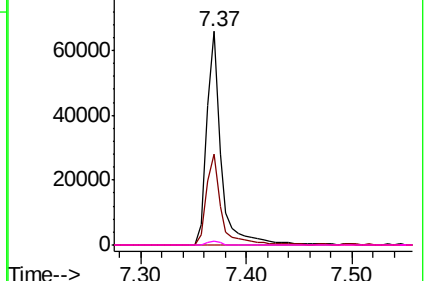
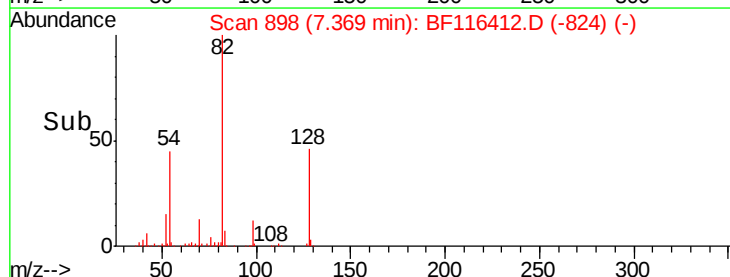


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Instrument :

BNA_F

ClientSampleId :

SP-11

Tgt Ion: 136 Resp: 405985

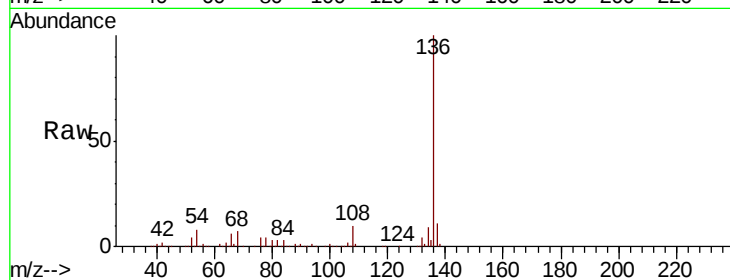
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.5 5.8 8.6

68 6.7 5.2 7.8

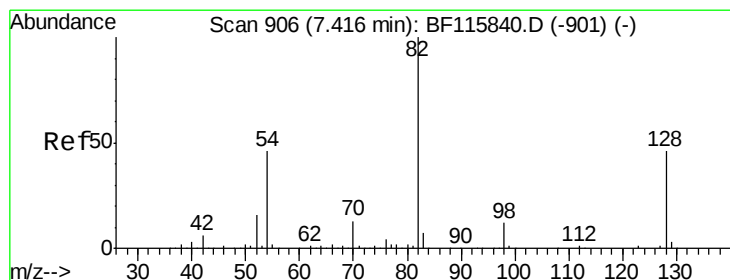
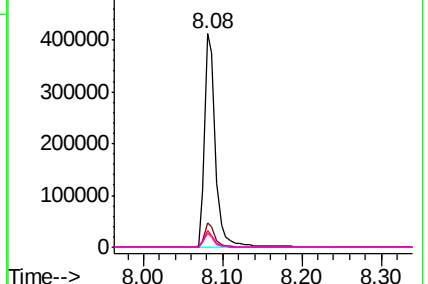
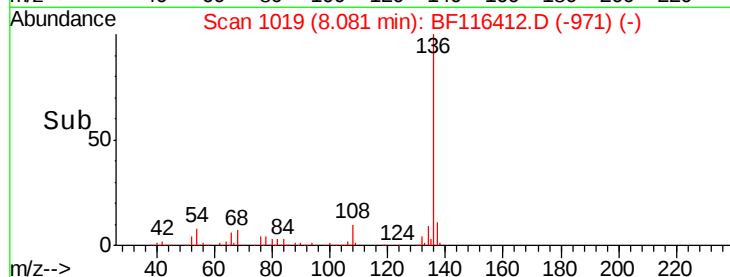


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.967 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

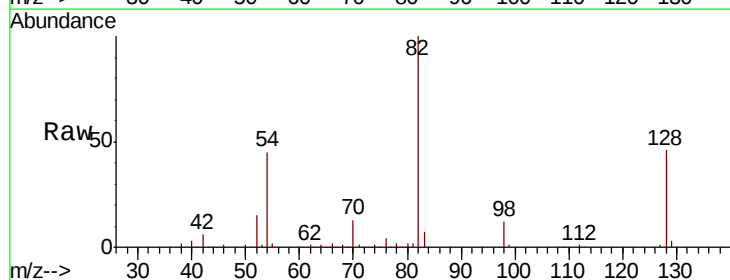
Tgt Ion: 82 Resp: 478035

Ion Ratio Lower Upper

82 100

128 45.7 36.5 54.7

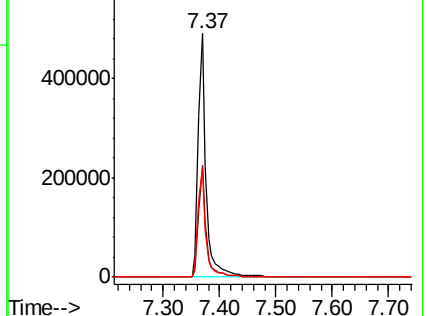
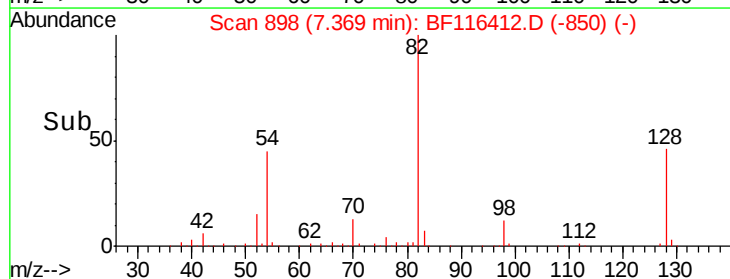
54 45.0 36.0 54.0



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: 35.545 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Instrument :

BNA_F

ClientSampleId :

SP-11

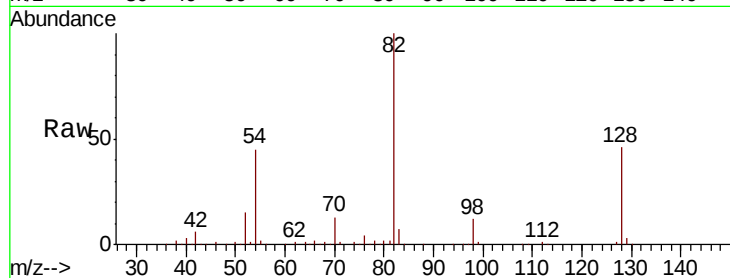
Tgt Ion: 82 Resp: 478035

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

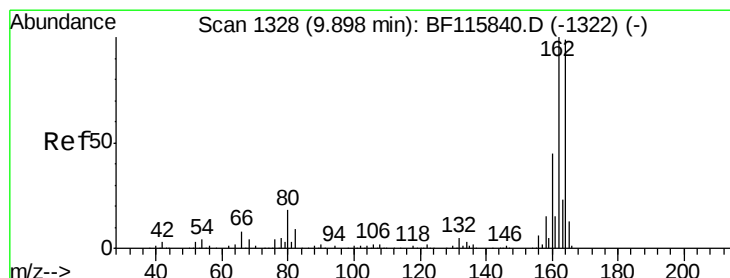
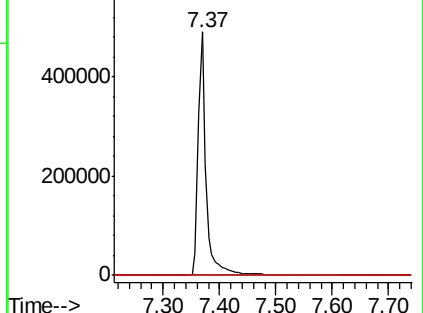
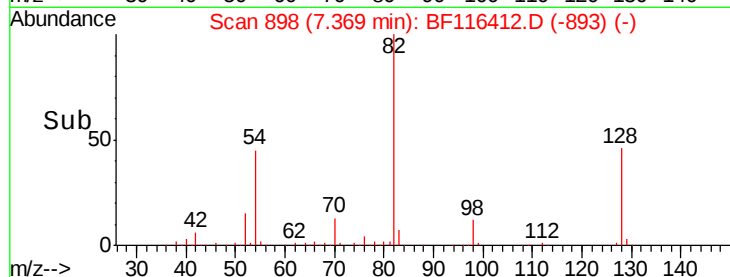
138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

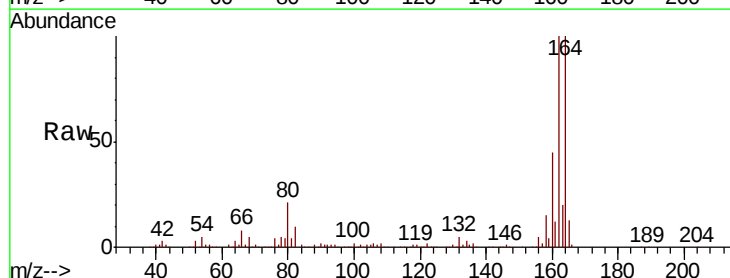
Tgt Ion: 164 Resp: 219573

Ion Ratio Lower Upper

164 100

162 99.8 82.6 124.0

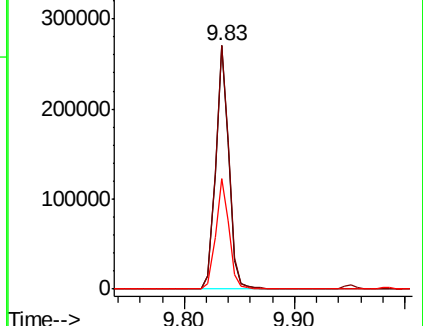
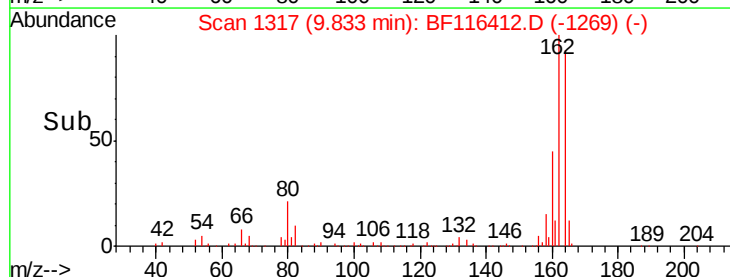
160 45.2 37.6 56.4

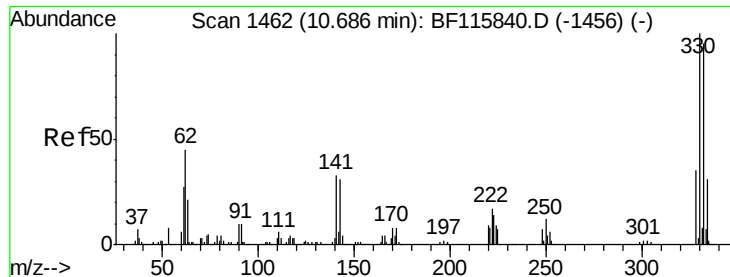


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

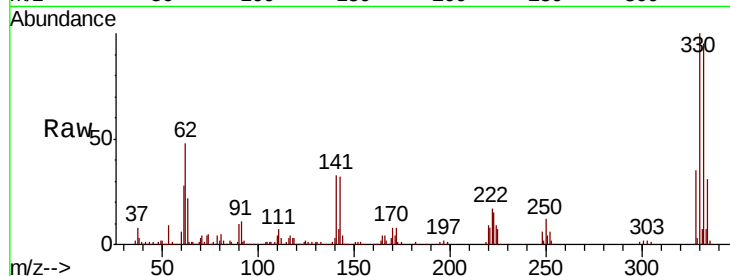




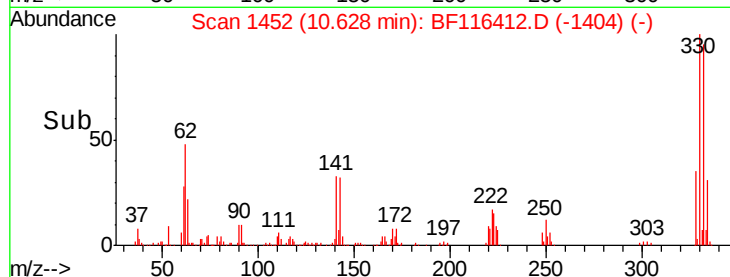
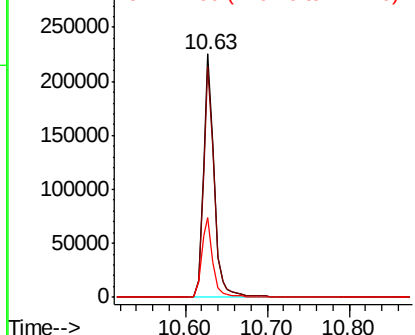
#42
 2,4,6-Tribromophenol
 Concen: 98.383 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116412.D
 Acq: 20 Aug 2019 2:26

Instrument :
 BNA_F
 ClientSampleId :
 SP-11

Tgt Ion:330 Resp: 209439
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.8 115.2
 141 34.3 26.3 39.5

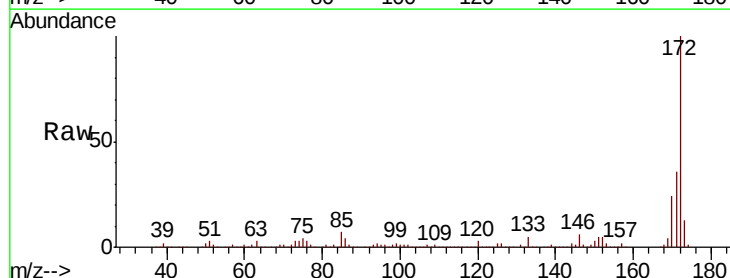


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

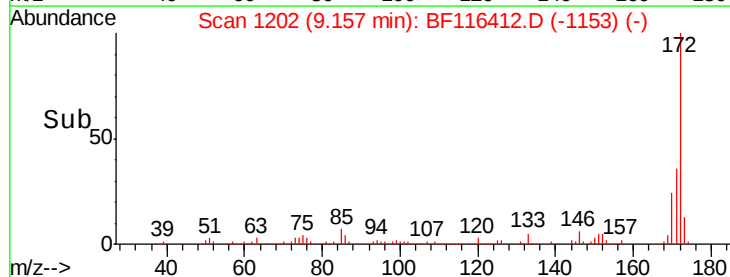
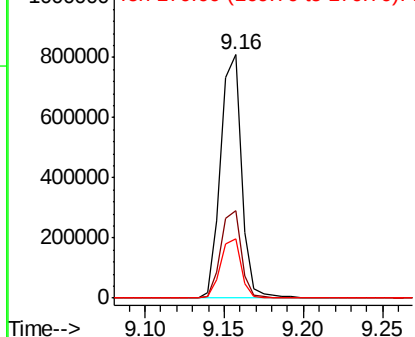


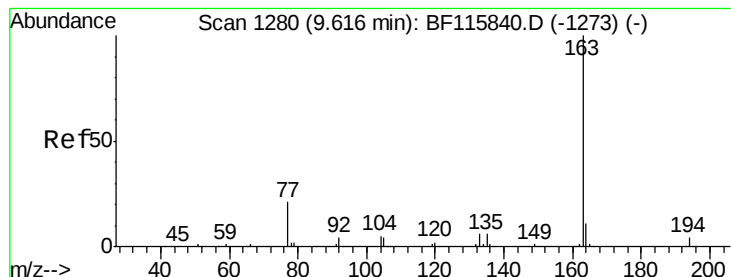
#45
 2-Fluorobiphenyl
 Concen: 63.545 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116412.D
 Acq: 20 Aug 2019 2:26

Tgt Ion:172 Resp: 744917
 Ion Ratio Lower Upper
 172 100
 171 35.8 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: 11.048 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Instrument :

BNA_F

ClientSampled :

SP-11

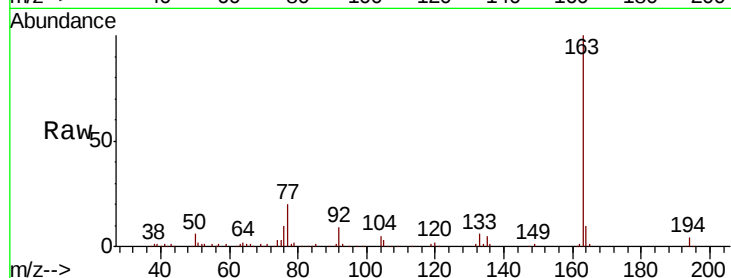
Tgt Ion:163 Resp: 165168

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

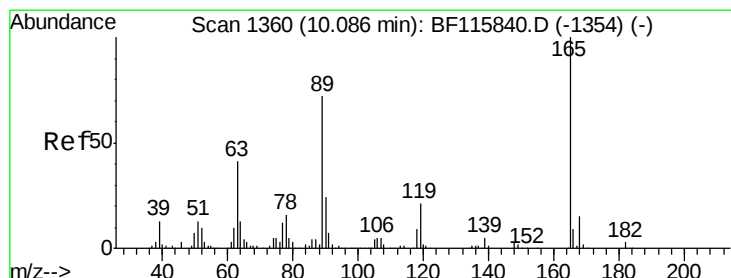
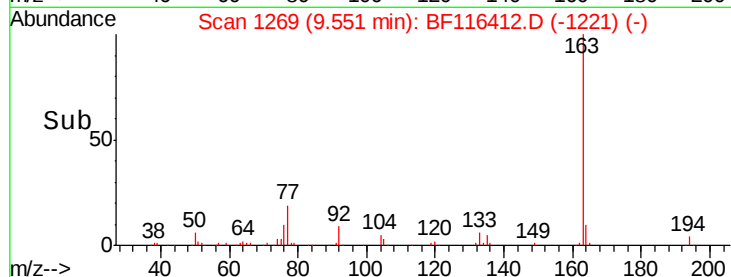
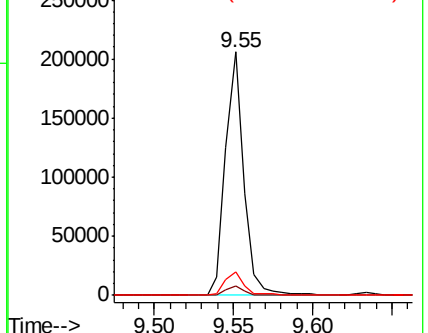
164 9.7 8.4 12.6



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: 6.591 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Tgt Ion:165 Resp: 28512

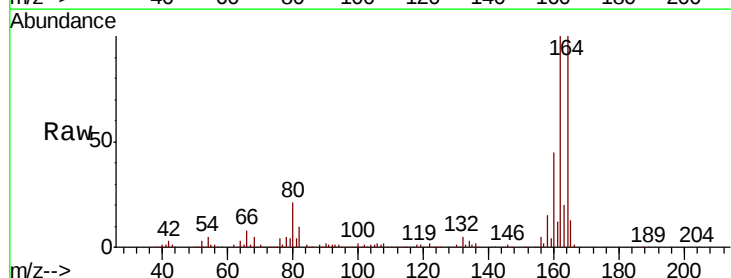
Ion Ratio Lower Upper

165 100

63 1.7 39.6 59.4#

89 1.5 62.2 93.2#

182 0.0 2.1 3.1#

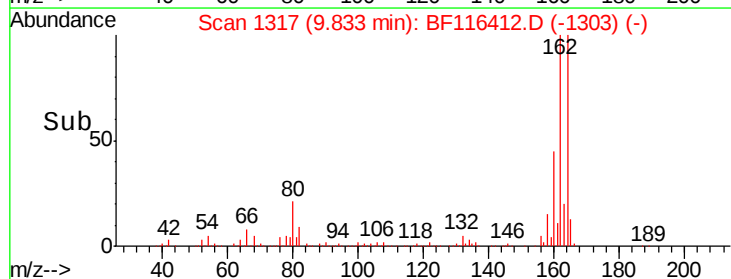
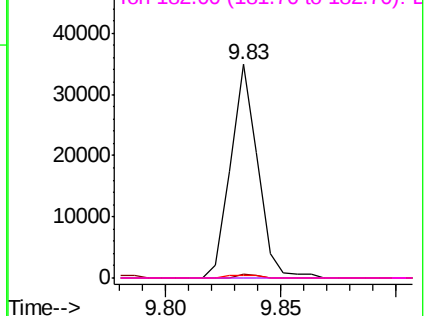


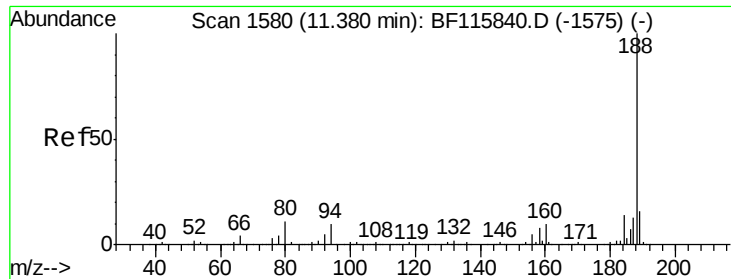
Abundance Ion 165.00 (164.70 to 165.70): E

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

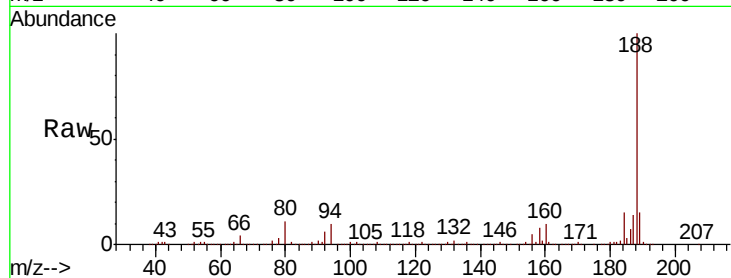




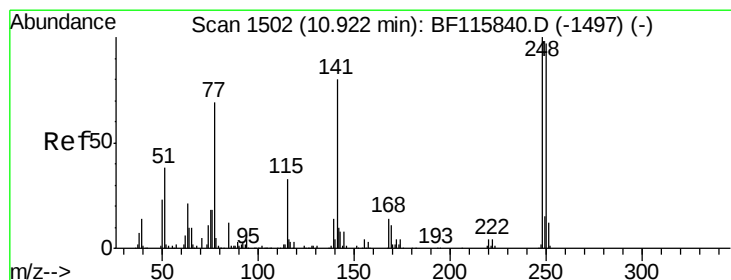
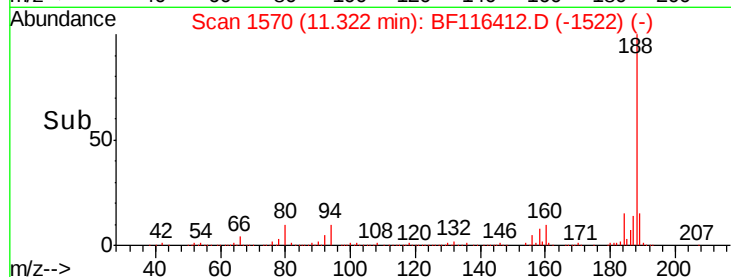
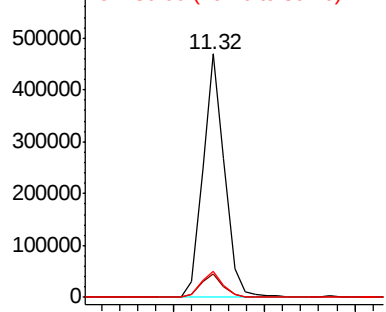
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116412.D
Acq: 20 Aug 2019 2:26

Instrument :
BNA_F
ClientSampleId :
SP-11

Tgt Ion:188 Resp: 387306
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.5 8.7 13.1

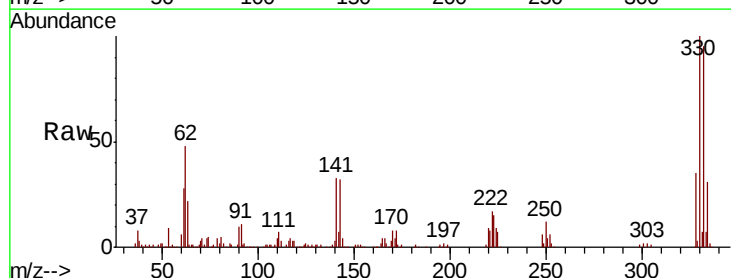


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

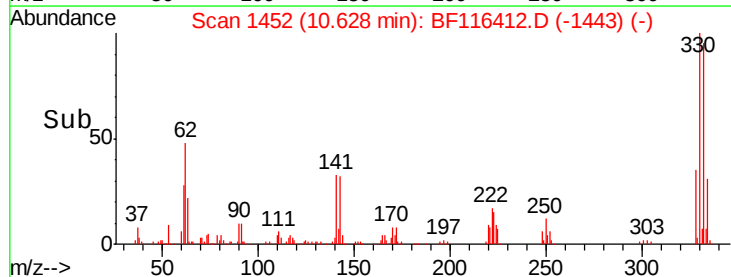
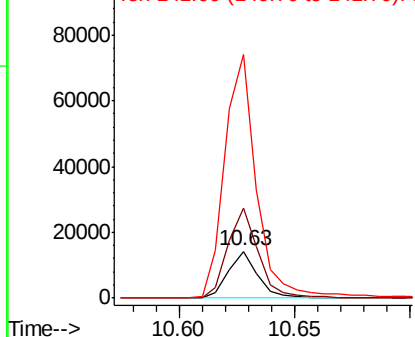


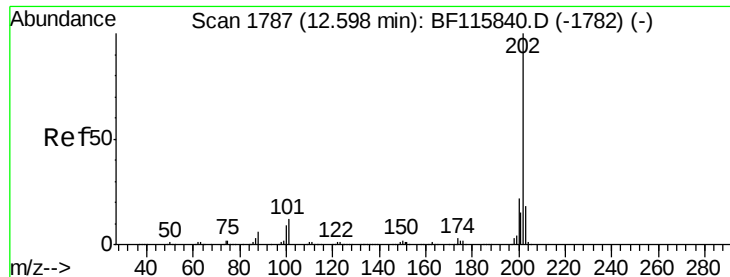
#67
4-Bromophenyl-phenylether
Concen: 3.066 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF116412.D
Acq: 20 Aug 2019 2:26

Tgt Ion:248 Resp: 12710
Ion Ratio Lower Upper
248 100
250 192.0 77.4 116.2#
141 518.9 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: 2.897 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

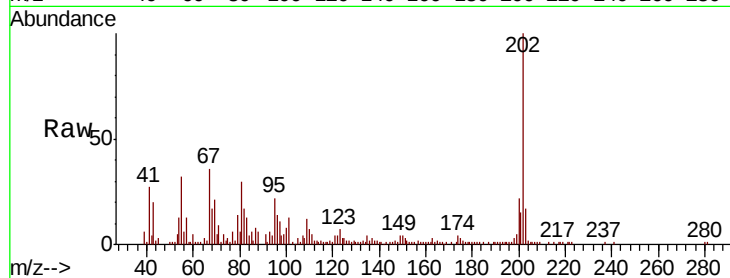
Instrument :

BNA_F

ClientSampleId :

SP-11

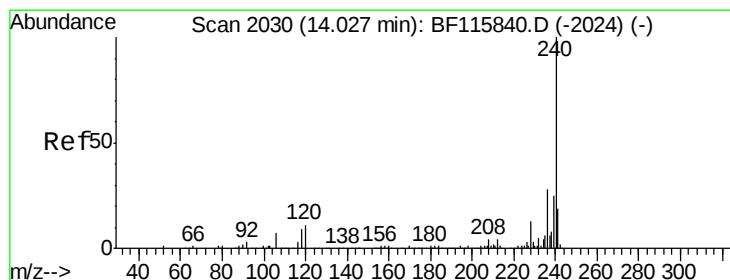
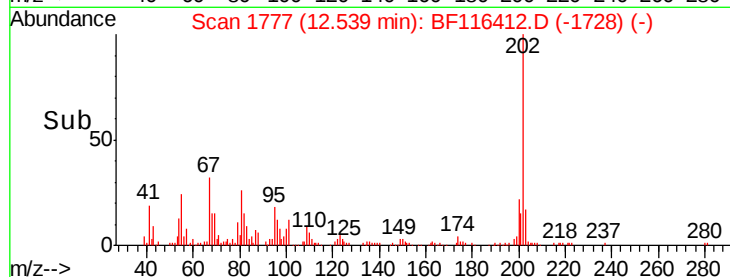
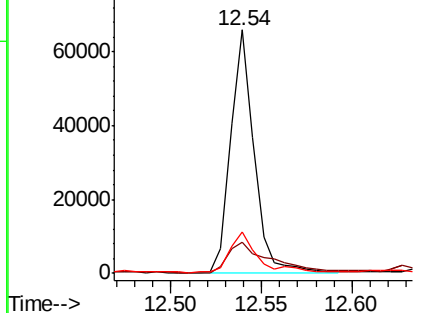
Tgt Ion:	202	Resp:	60044
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.2
203	17.2	0.0	37.8



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

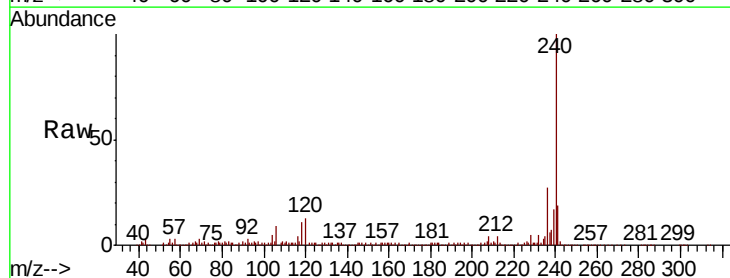
RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

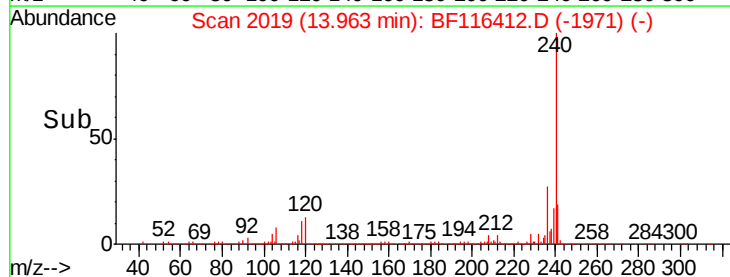
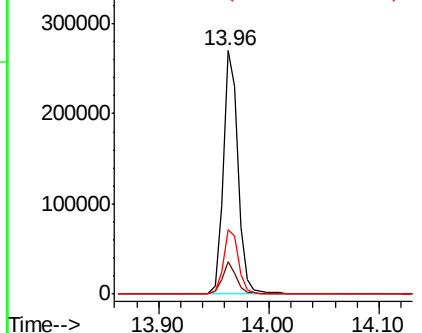
Tgt Ion:	240	Resp:	250509
Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.7	16.1
236	26.6	22.2	33.2

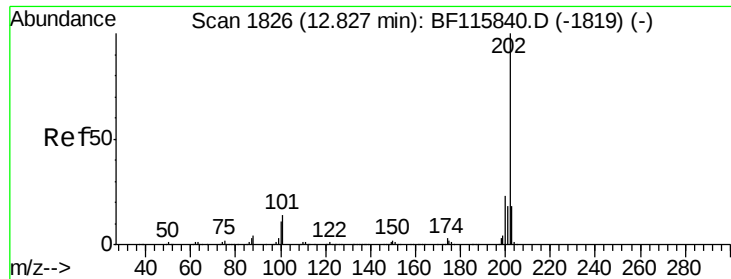


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

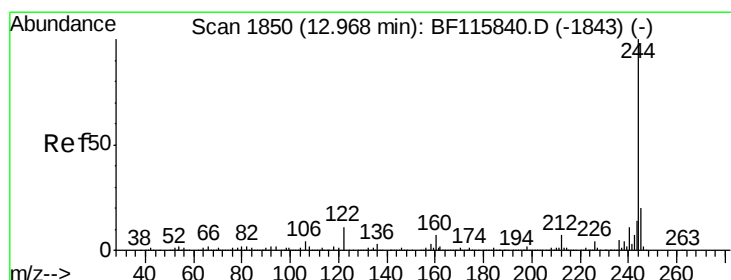
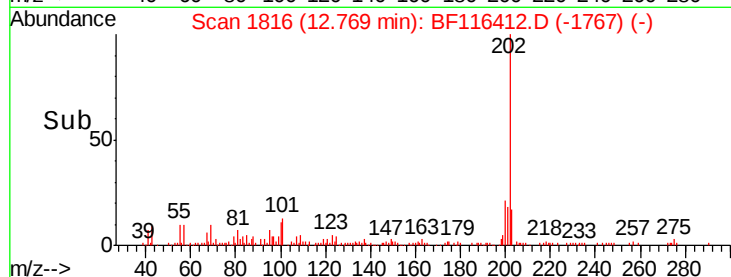
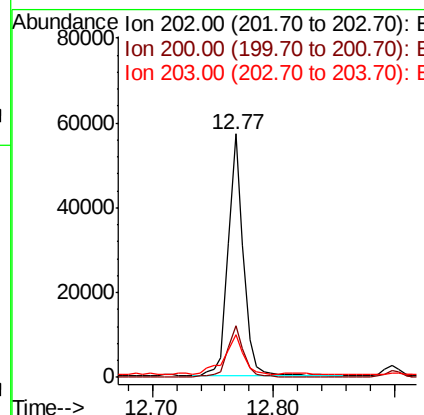
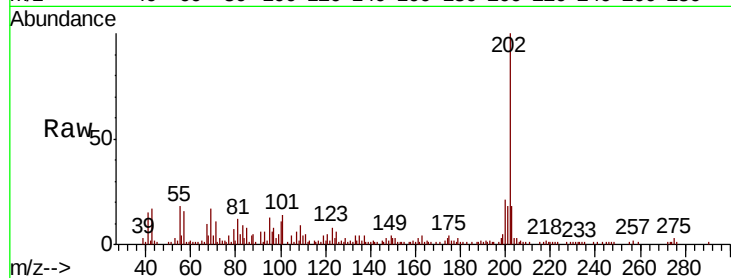




#78
 Pyrene
 Concen: 2.608 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF116412.D
 Acq: 20 Aug 2019 2:26

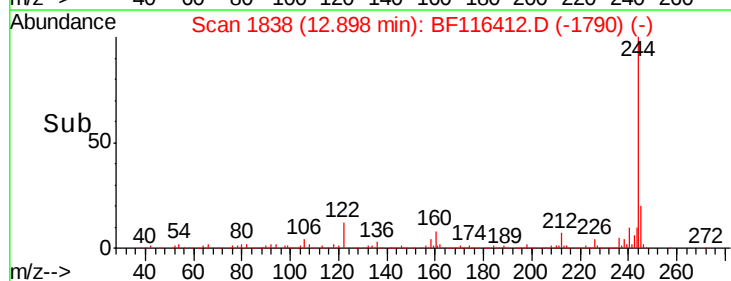
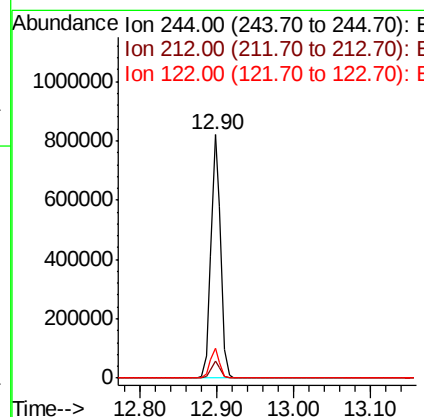
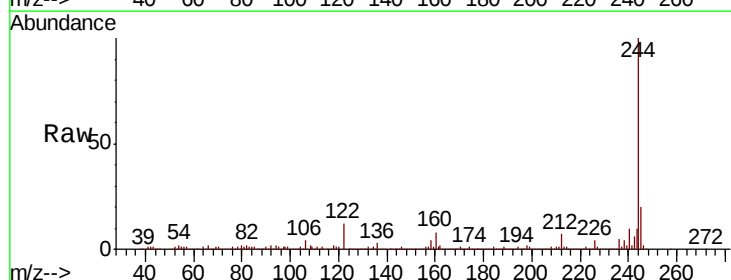
Instrument :
 BNA_F
 ClientSampleId :
 SP-11

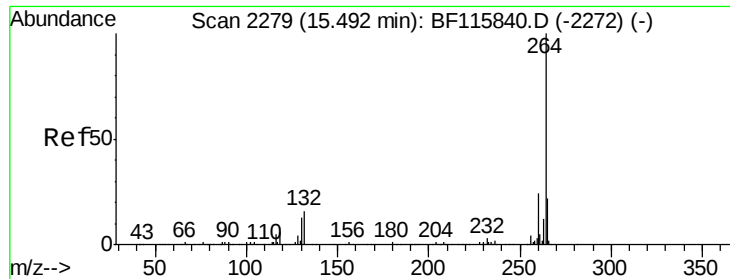
Tgt Ion: 202 Resp: 49253
 Ion Ratio Lower Upper
 202 100
 200 21.0 18.0 27.0
 203 17.6 14.1 21.1



#79
 Terphenyl-d14
 Concen: 59.919 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116412.D
 Acq: 20 Aug 2019 2:26

Tgt Ion: 244 Resp: 712341
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 12.2 9.0 13.4



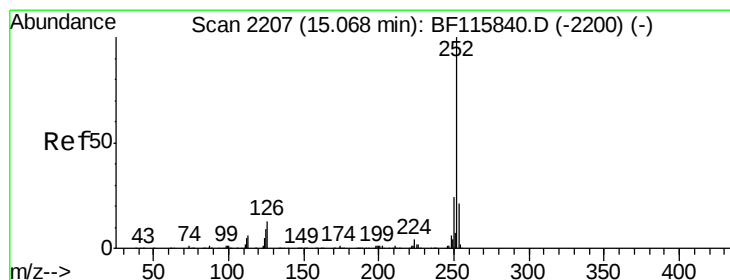
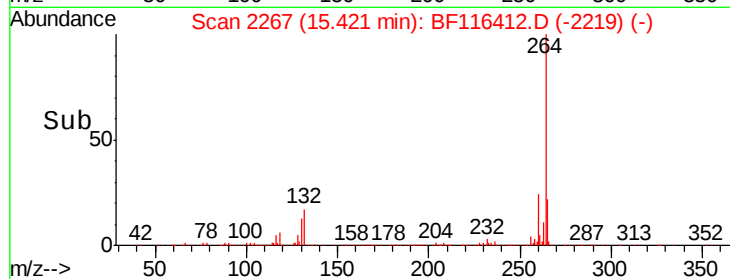
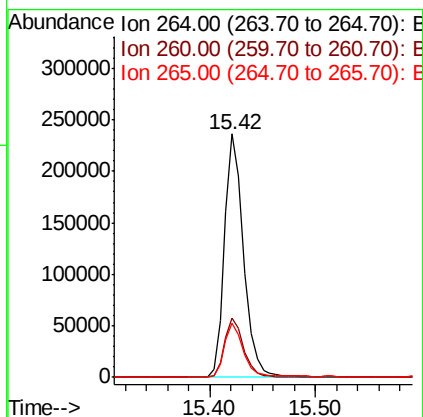
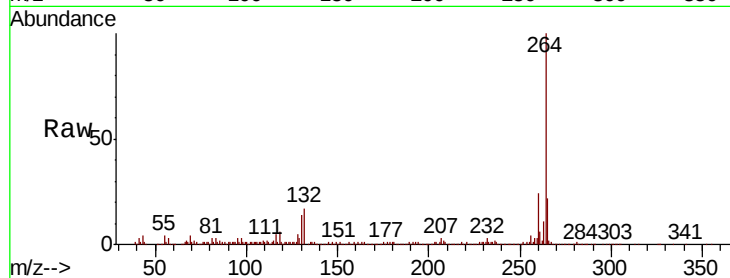


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116412.D
Acq: 20 Aug 2019 2:26

Instrument :
BNA_F
ClientSampleId :
SP-11

Tgt Ion: 264 Resp: 296814

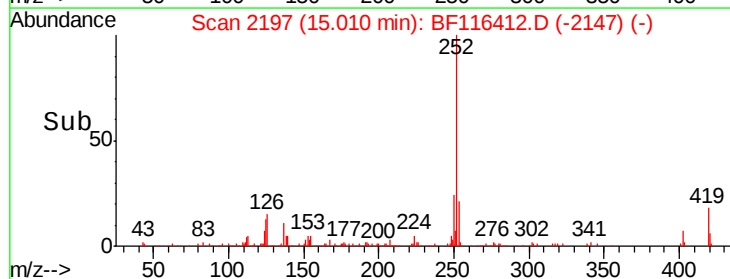
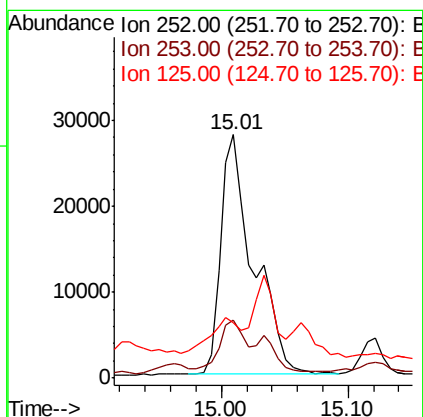
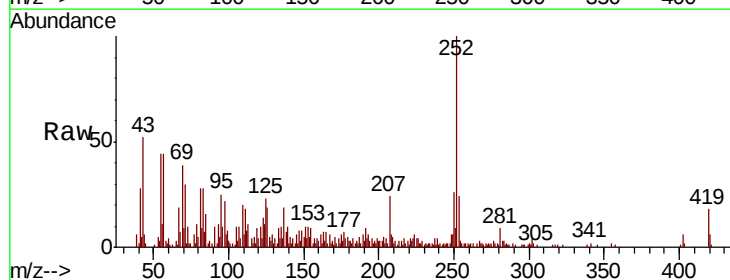
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.2	17.4	26.0

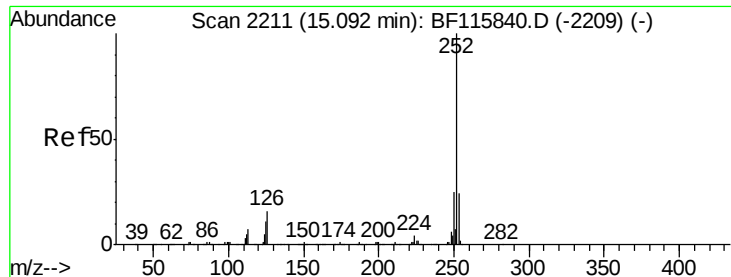


#88
Benzo(b)fluoranthene
Concen: 2.923 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116412.D
Acq: 20 Aug 2019 2:26

Tgt Ion: 252 Resp: 50169

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	23.0	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 3.001 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF116412.D

Acq: 20 Aug 2019 2:26

Instrument :

BNA_F

ClientSampleId :

SP-11

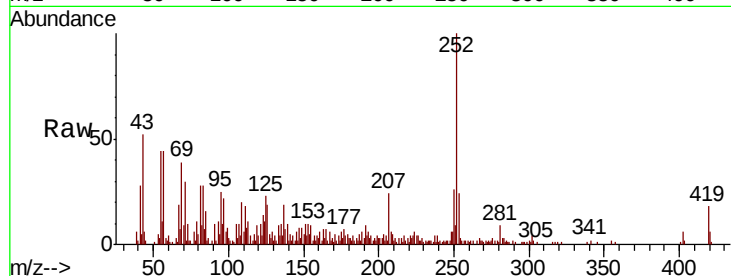
Tgt Ion:252 Resp: 50169

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 23.0 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

