

Data File : BF116316.D
Acq On : 16 Aug 2019 12:27
Operator : HP/JU
Sample : K4340-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 17 03:07:07 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

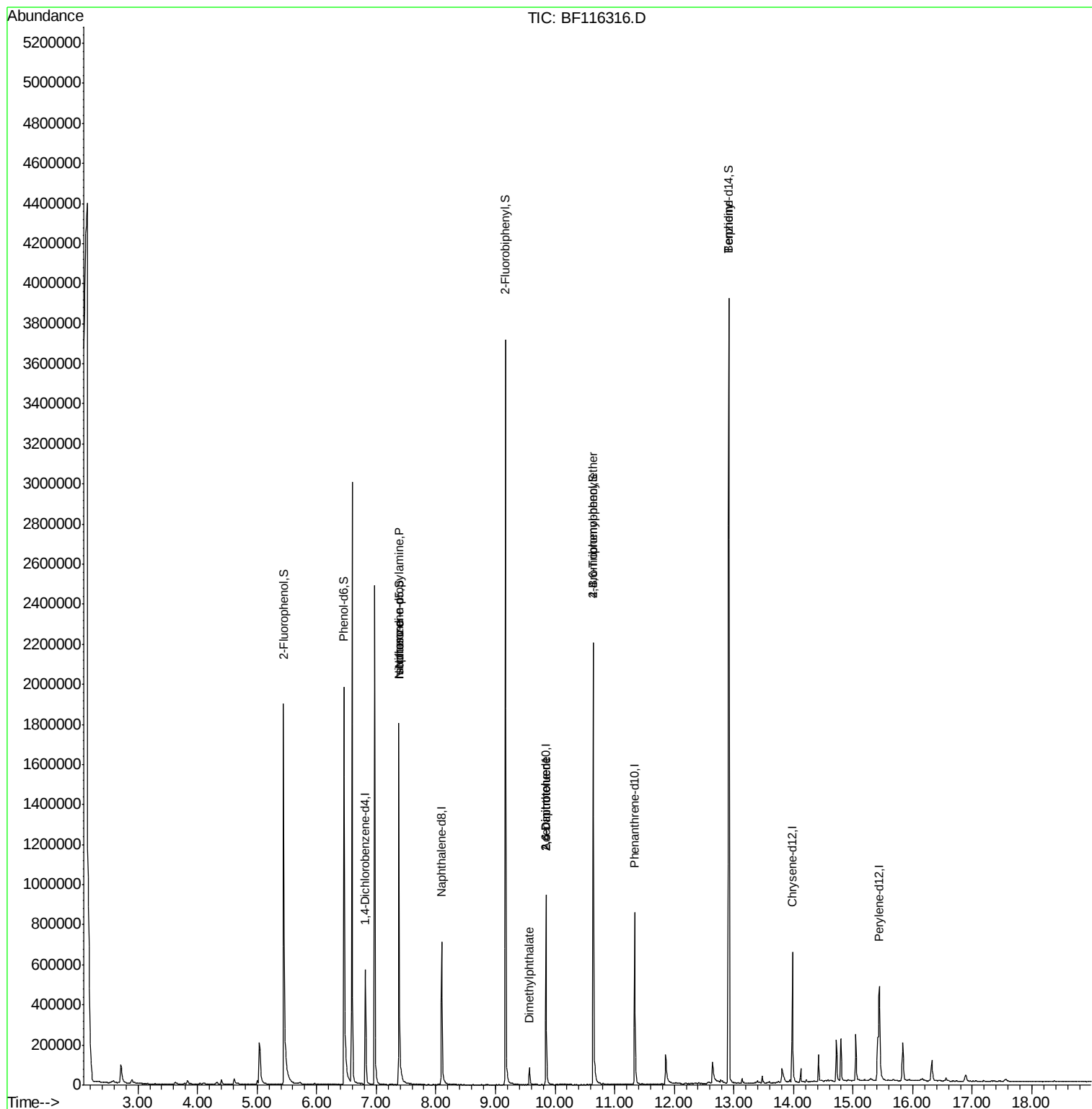
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	99272	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	380881	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	207499	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	382359	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	276157	20.00	ng	-0.03
87) Perylene-d12	15.44	264	277015	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	731993	123.44	ng	-0.02
7) Phenol-d6	6.46	99	888322	118.73	ng	-0.03
23) Nitrobenzene-d5	7.38	82	655488	99.34	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	299433	148.84	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1163639	105.04	ng	-0.04
79) Terphenyl-d14	12.92	244	1425268	108.75	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	85738	18.493	ng	# 80
25) Isophorone	7.38	82	655482	51.952	ng	# 65
50) Dimethylphthalate	9.57	163	45355	3.210	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	26289	8.562	ng	# 29
57) 2,4-Dinitrotoluene	9.85	165	26289	6.431	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	18022	4.403	ng	# 1
77) Benzidine	12.92	184	19023	2.039	ng	# 97

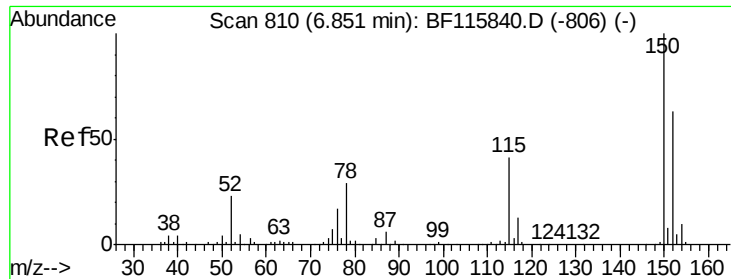
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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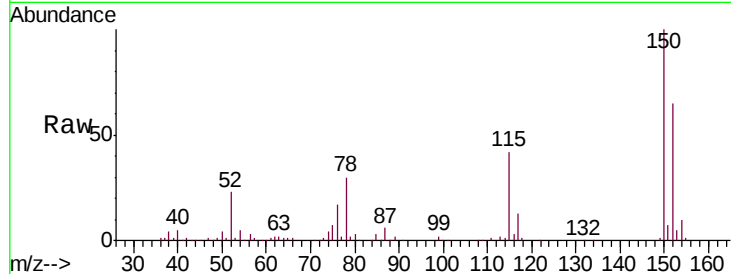


#1

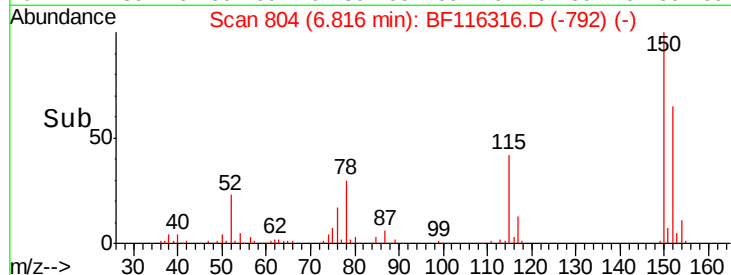
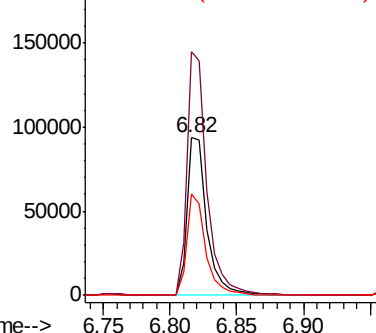
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116316.D
Acq: 16 Aug 2019 12:27

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 99272
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 64.5 49.9 74.9



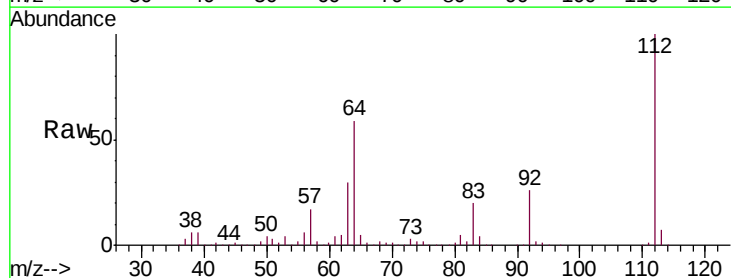
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



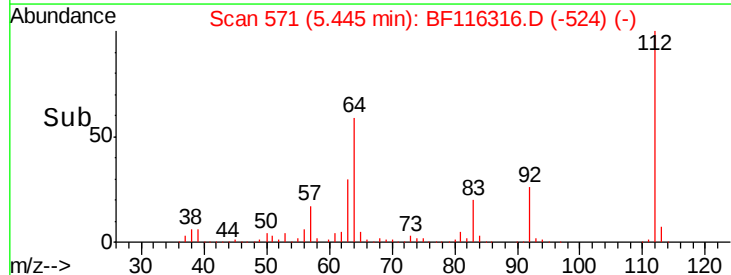
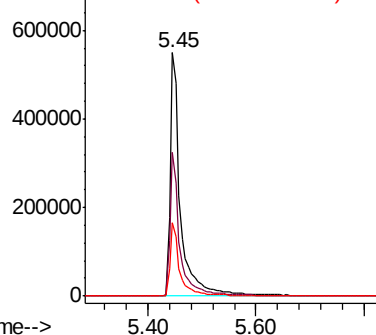
#5

2-Fluorophenol
Concen: 123.439 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF116316.D
Acq: 16 Aug 2019 12:27

Tgt Ion:112 Resp: 731993
Ion Ratio Lower Upper
112 100
64 59.2 45.4 68.2
63 30.1 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: 118.732 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

Instrument :

BNA_F

ClientSampled :

DFTPP

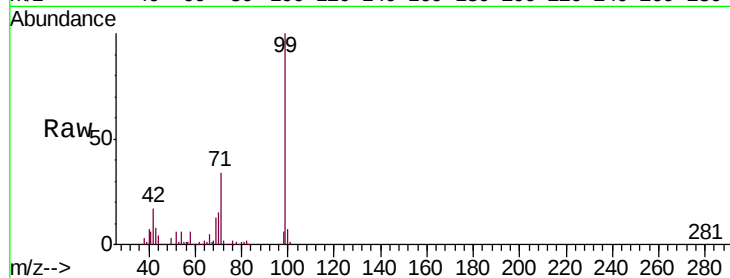
Tgt Ion: 99 Resp: 888322

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

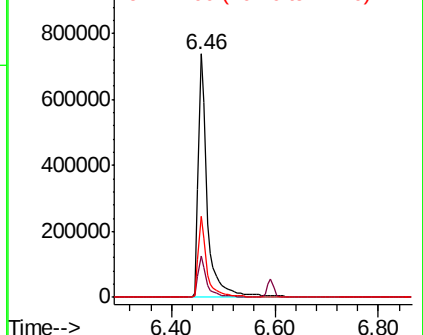
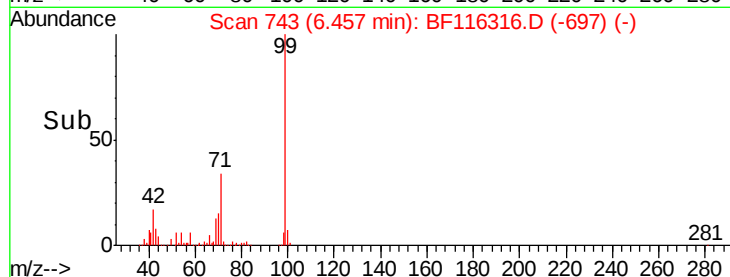
71 33.5 27.3 40.9



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: 18.493 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

Tgt Ion: 70 Resp: 85738

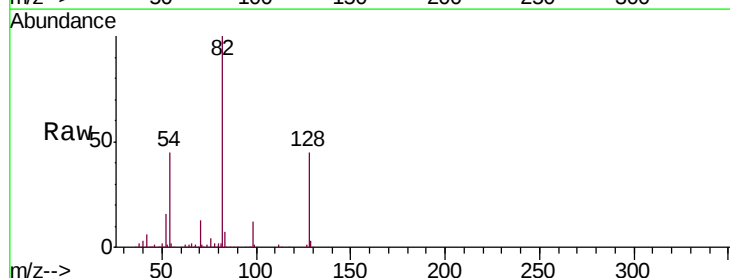
Ion Ratio Lower Upper

70 100

42 44.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.0 16.9 25.3#

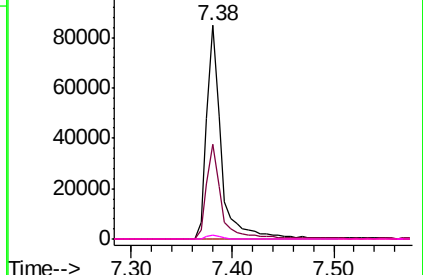
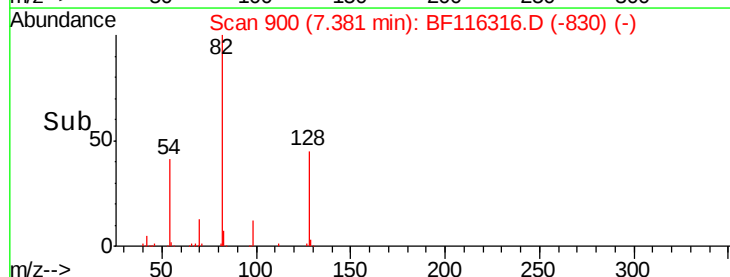


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tgt Ion:136 Resp: 380881

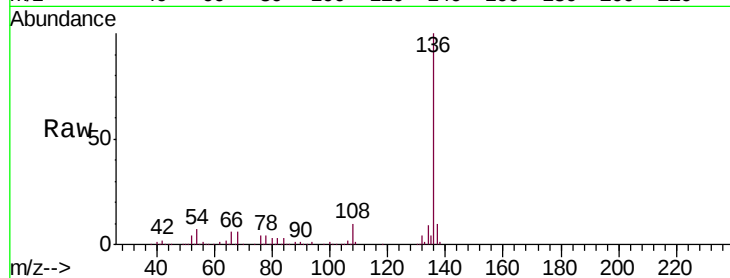
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.2 7.8

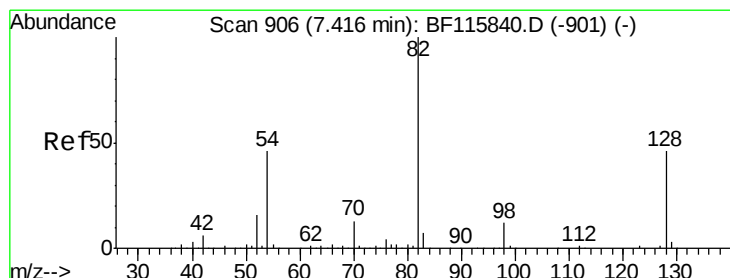
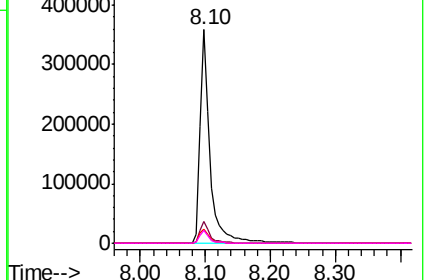
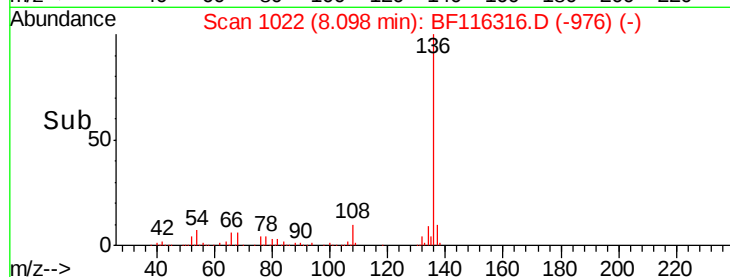


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.340 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.04 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

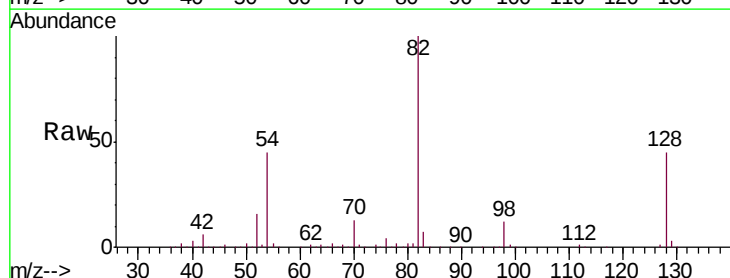
Tgt Ion: 82 Resp: 655488

Ion Ratio Lower Upper

82 100

128 44.6 36.5 54.7

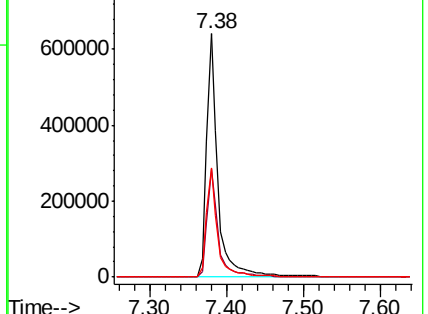
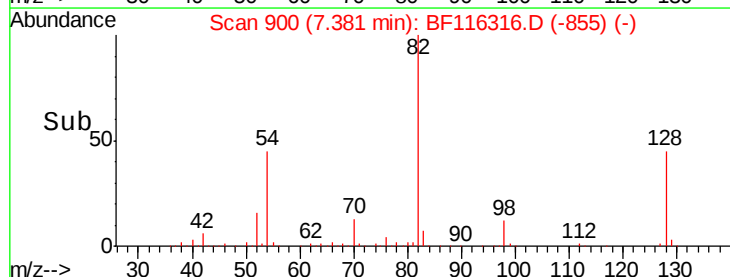
54 44.8 36.0 54.0



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: 51.952 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

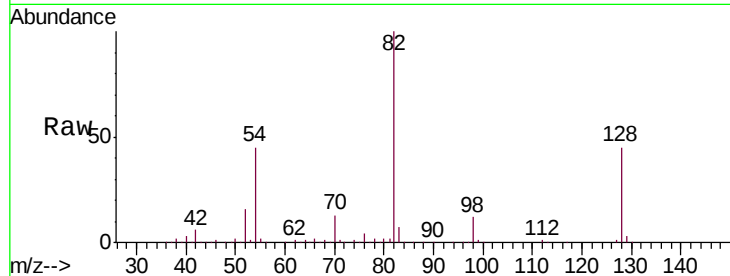
Tgt Ion: 82 Resp: 655482

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

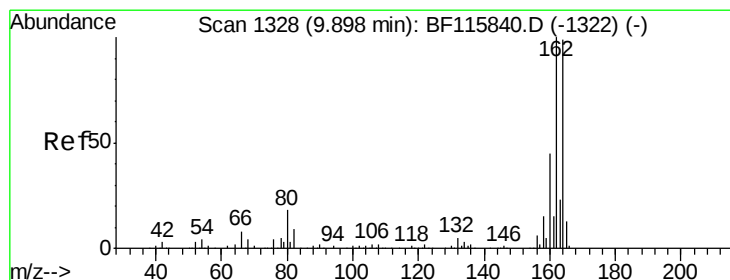
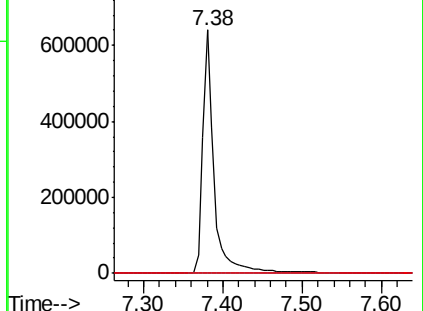
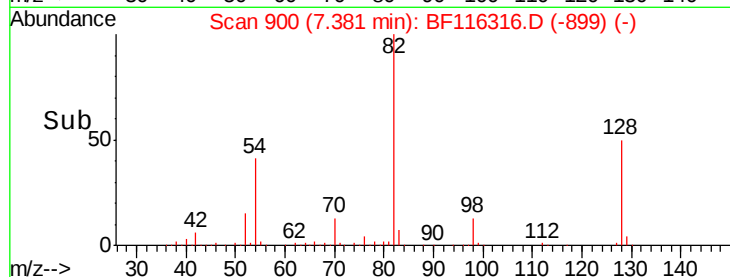
138 0.0 14.5 21.7#



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: 9.85 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

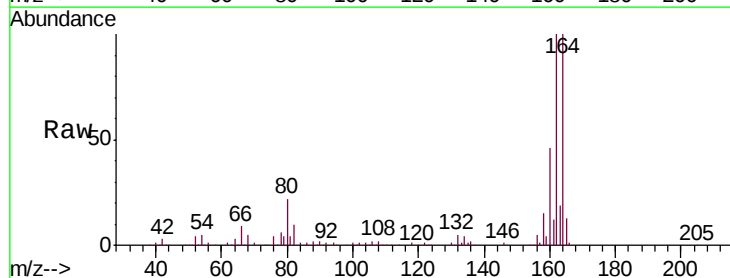
Tgt Ion: 164 Resp: 207499

Ion Ratio Lower Upper

164 100

162 99.6 82.6 124.0

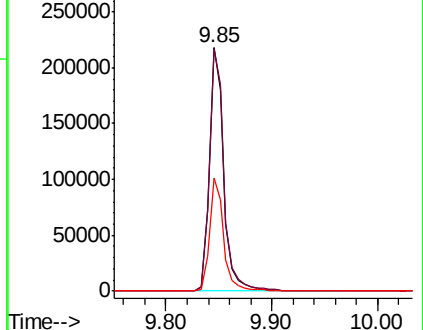
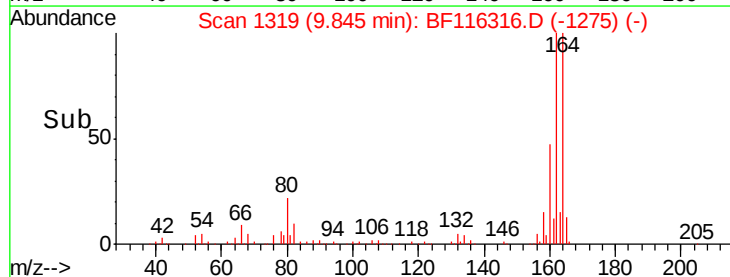
160 46.4 37.6 56.4

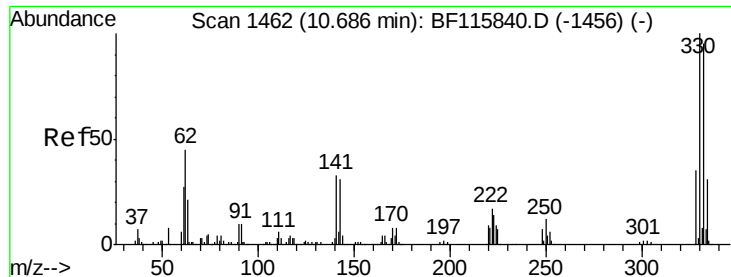


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

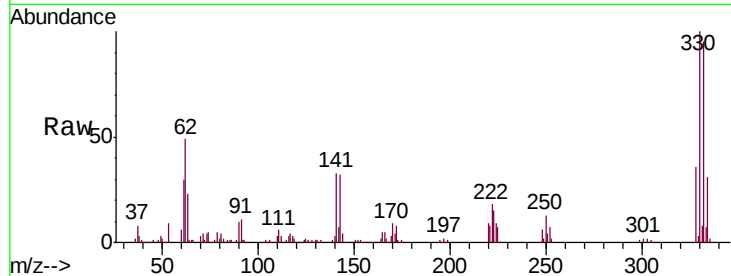




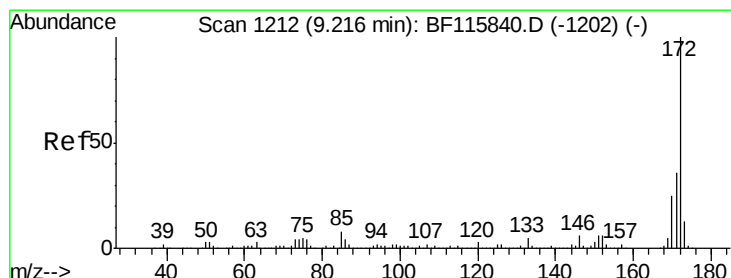
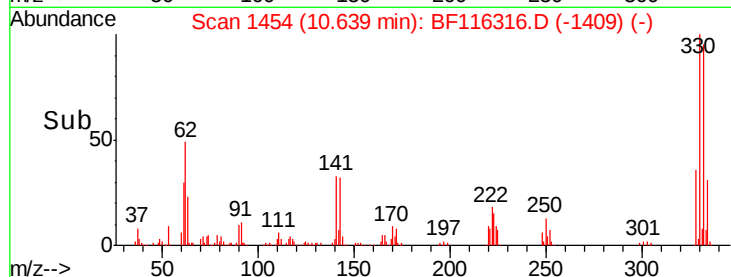
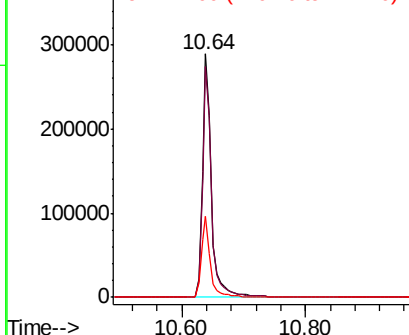
#42
 2,4,6-Tribromophenol
 Concen: 148.841 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116316.D
 Acq: 16 Aug 2019 12:27

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion:330 Resp: 299433
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 33.4 26.3 39.5

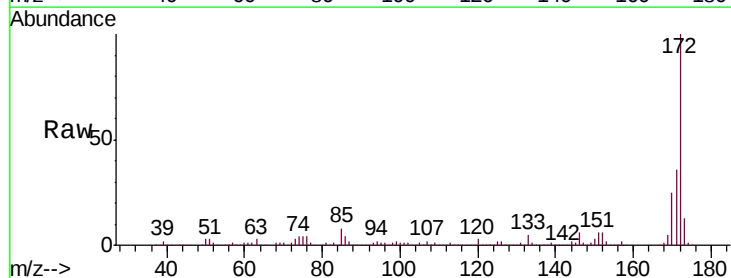


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

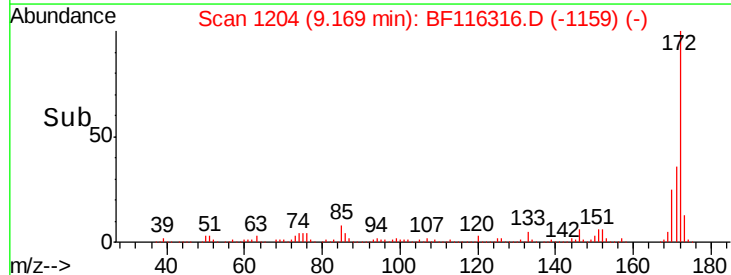
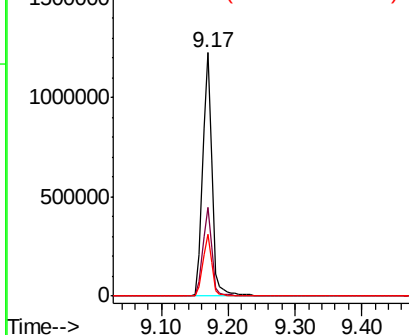


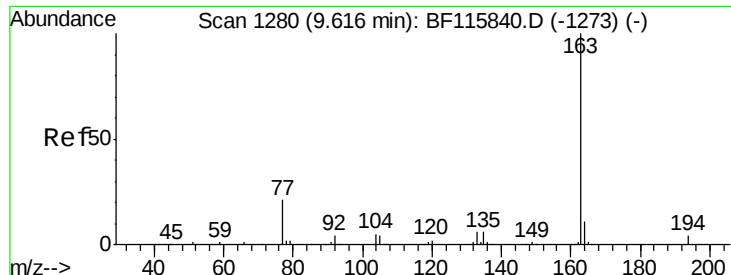
#45
 2-Fluorobiphenyl
 Concen: 105.041 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116316.D
 Acq: 16 Aug 2019 12:27

Tgt Ion:172 Resp: 1163639
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.3 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

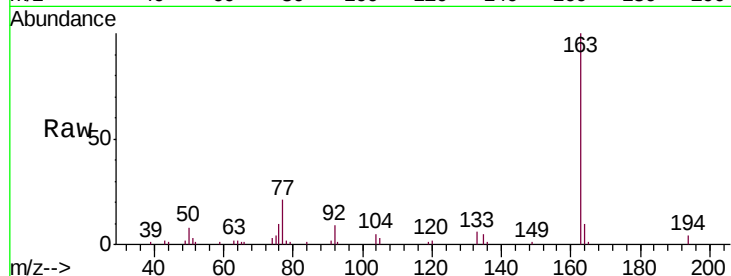




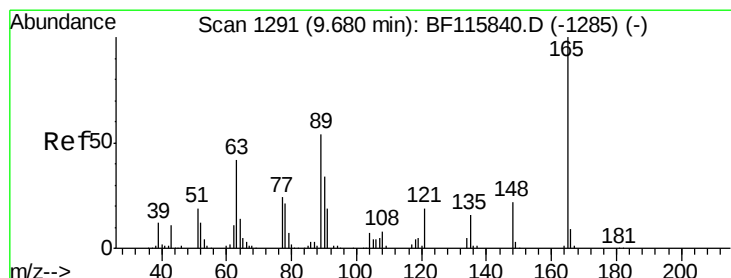
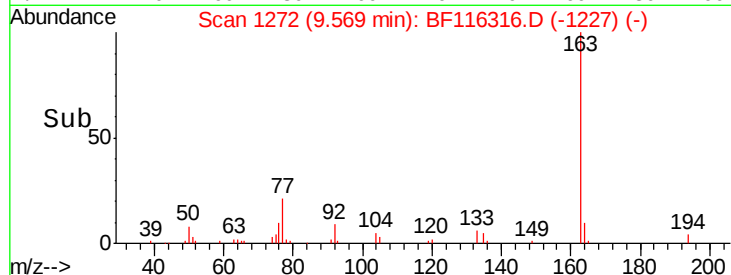
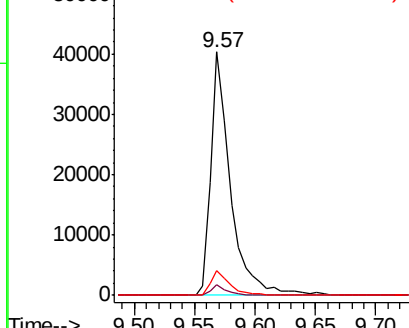
#50
Dimethylphthalate
Concen: 3.210 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF116316.D
Acq: 16 Aug 2019 12:27

Instrument :
BNA_F
ClientSampled :
DFTPP

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	8.4	12.6

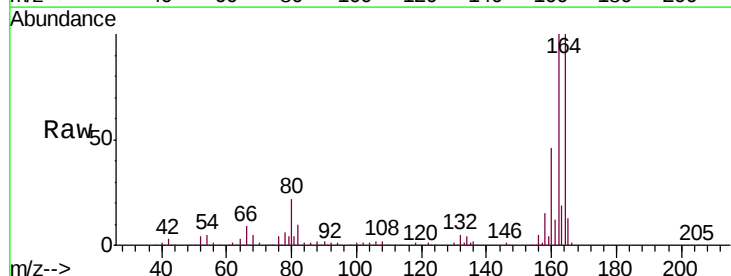


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

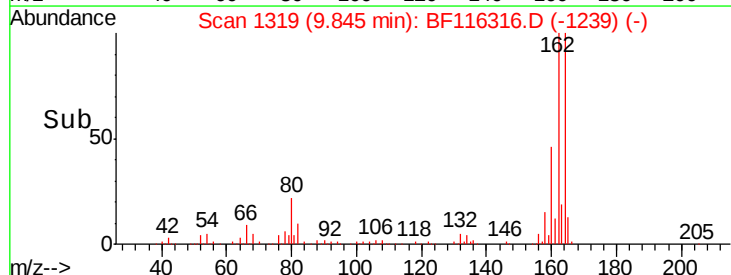
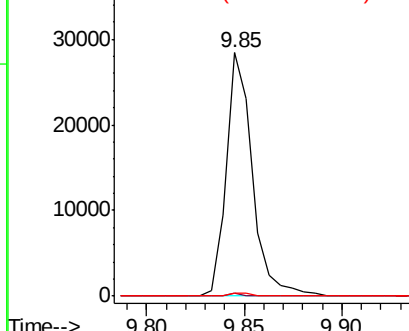


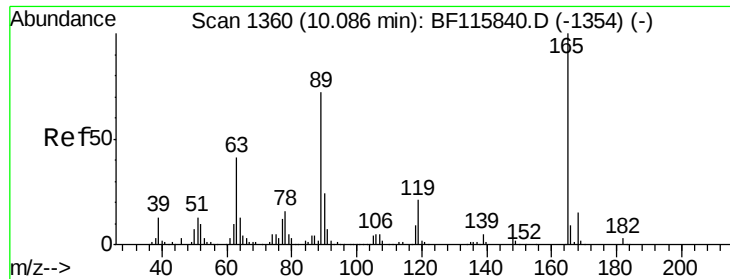
#51
2,6-Dinitrotoluene
Concen: 8.562 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.17 min
Lab File: BF116316.D
Acq: 16 Aug 2019 12:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.2	57.2#
89	1.5	42.9	64.3#



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





#57

2,4-Dinitrotoluene

Concen: 6.431 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tgt Ion:165 Resp: 26289

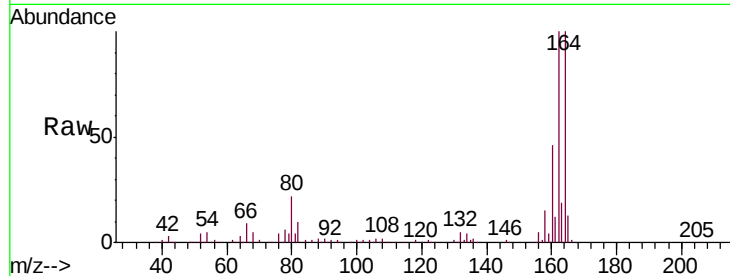
Ion Ratio Lower Upper

165 100

63 1.1 39.6 59.4#

89 1.5 62.2 93.2#

182 0.0 2.1 3.1#

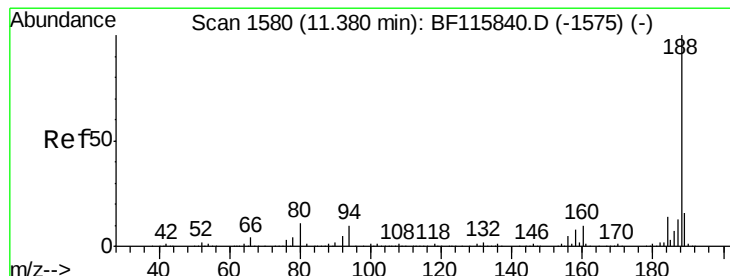
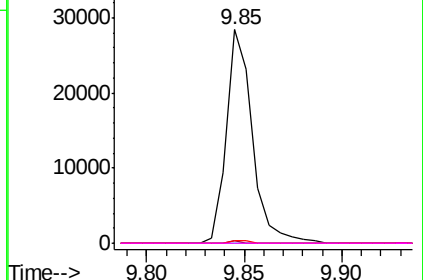
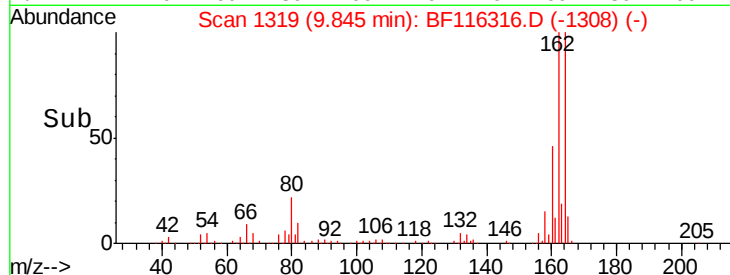


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.04 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

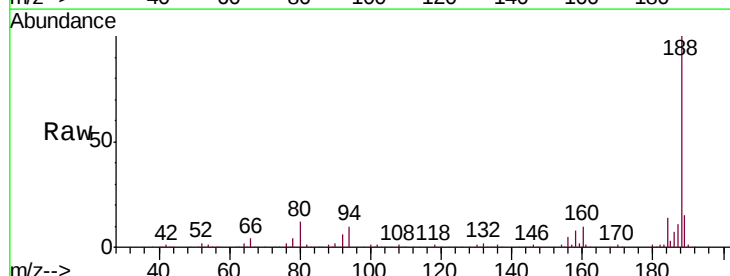
Tgt Ion:188 Resp: 382359

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

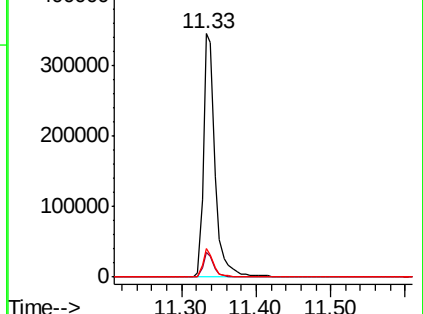
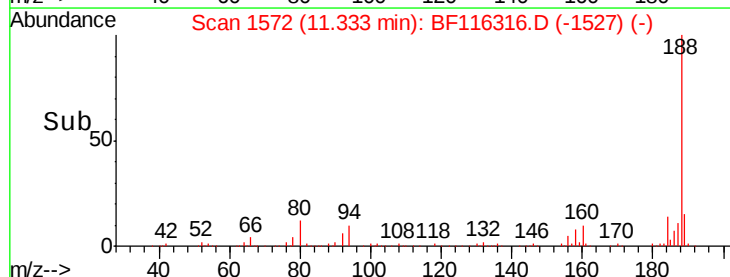
80 11.8 8.7 13.1

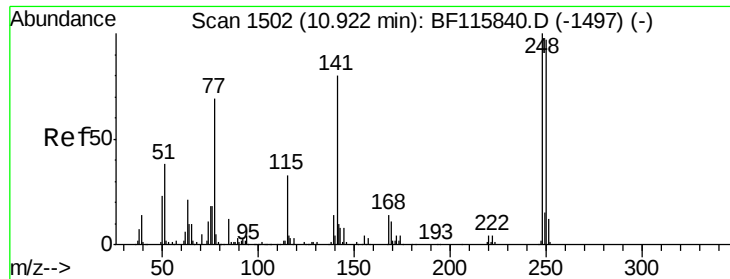


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

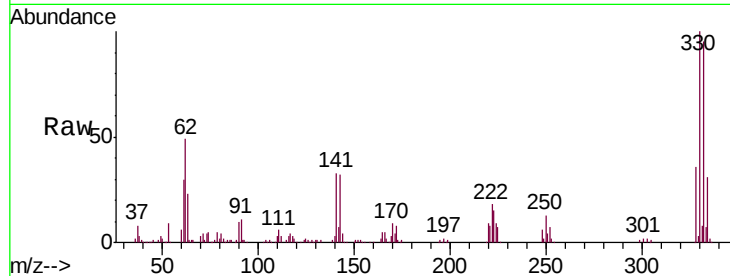




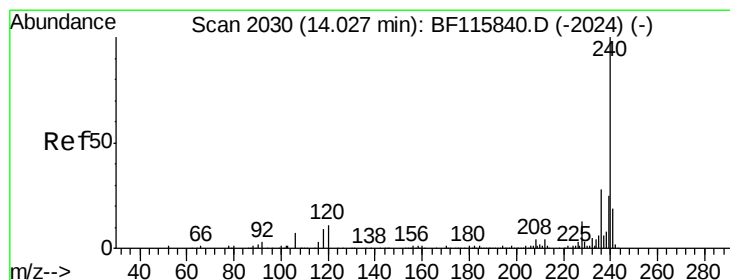
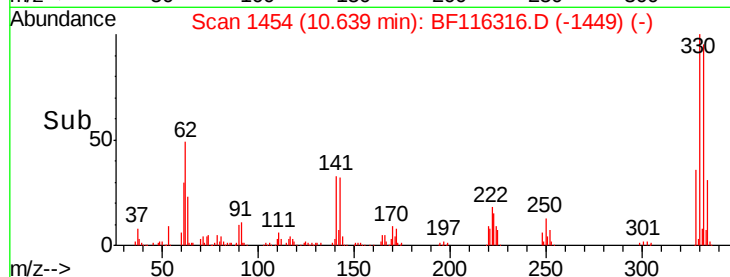
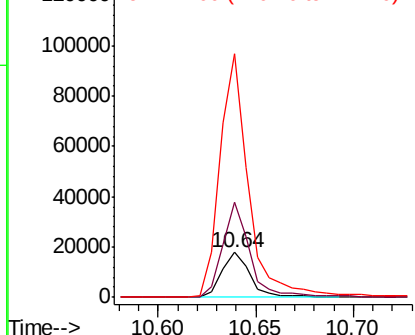
#67
 4-Bromophenyl-phenylether
 Concen: 4.403 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.27 min
 Lab File: BF116316.D
 Acq: 16 Aug 2019 12:27

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion:248 Resp: 18022
 Ion Ratio Lower Upper
 248 100
 250 212.5 77.4 116.2#
 141 541.5 56.8 85.2#

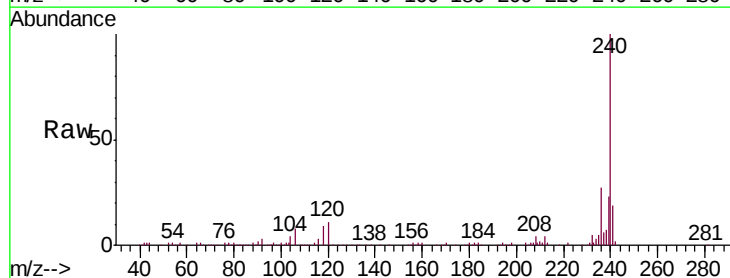


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

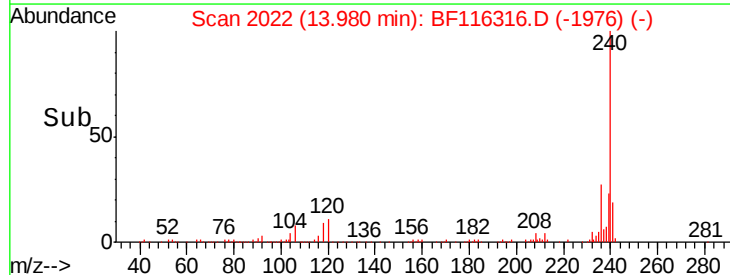
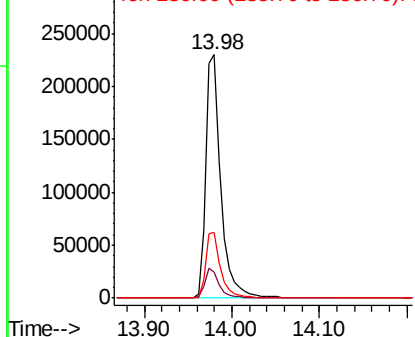


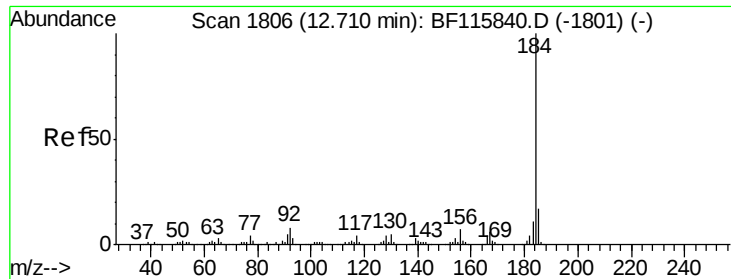
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.03 min
 Lab File: BF116316.D
 Acq: 16 Aug 2019 12:27

Tgt Ion:240 Resp: 276157
 Ion Ratio Lower Upper
 240 100
 120 10.6 10.7 16.1#
 236 27.1 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





#77

Benzidine

Concen: 2.039 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.22 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

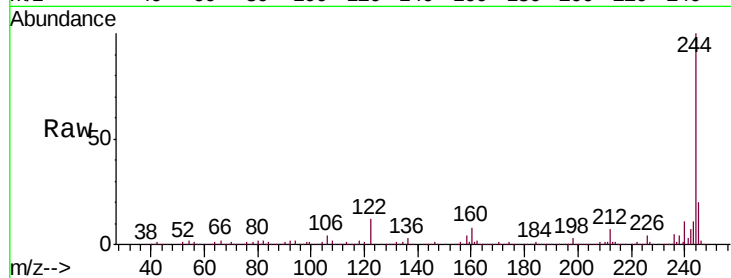
Tgt Ion:184 Resp: 19023

Ion Ratio Lower Upper

184 100

185 16.5 12.8 19.2

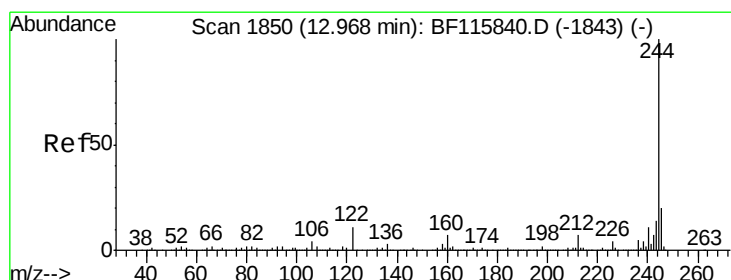
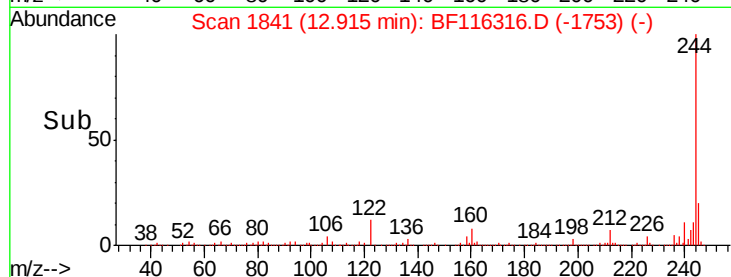
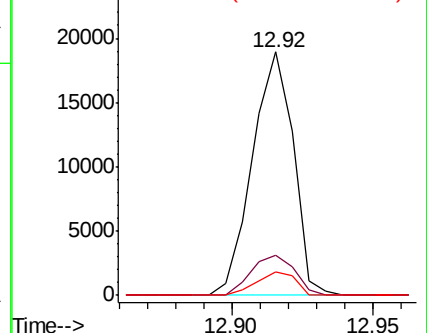
183 9.5 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 108.752 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116316.D

Acq: 16 Aug 2019 12:27

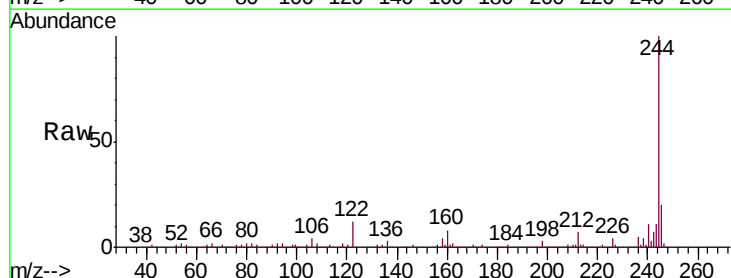
Tgt Ion:244 Resp: 1425268

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

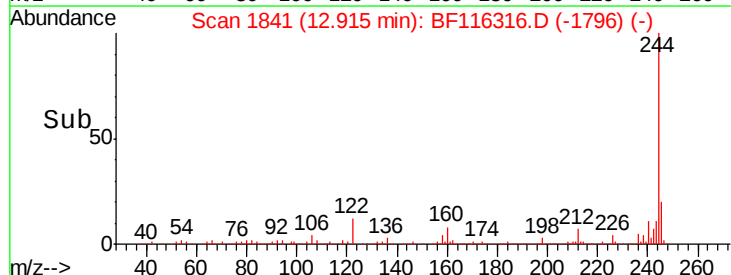
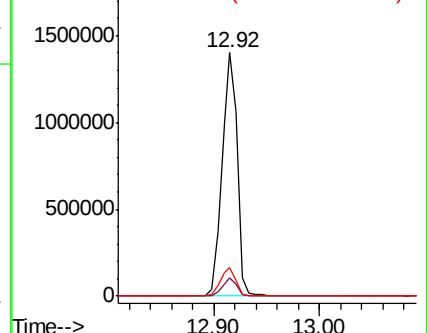
122 11.8 9.0 13.4

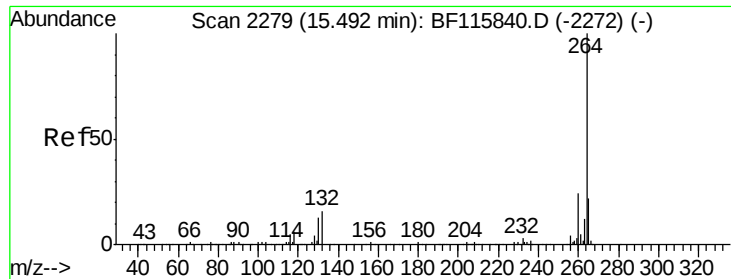


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116316.D
Acq: 16 Aug 2019 12:27

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion: 264 Resp: 277015
Ion Ratio Lower Upper
264 100
260 24.2 19.7 29.5
265 21.5 17.4 26.0

