

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\
 Data File : BF116310.D
 Acq On : 16 Aug 2019 9:44
 Operator : HP/JU
 Sample : PB122277BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122277BL

Quant Time: Aug 16 11:49:19 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

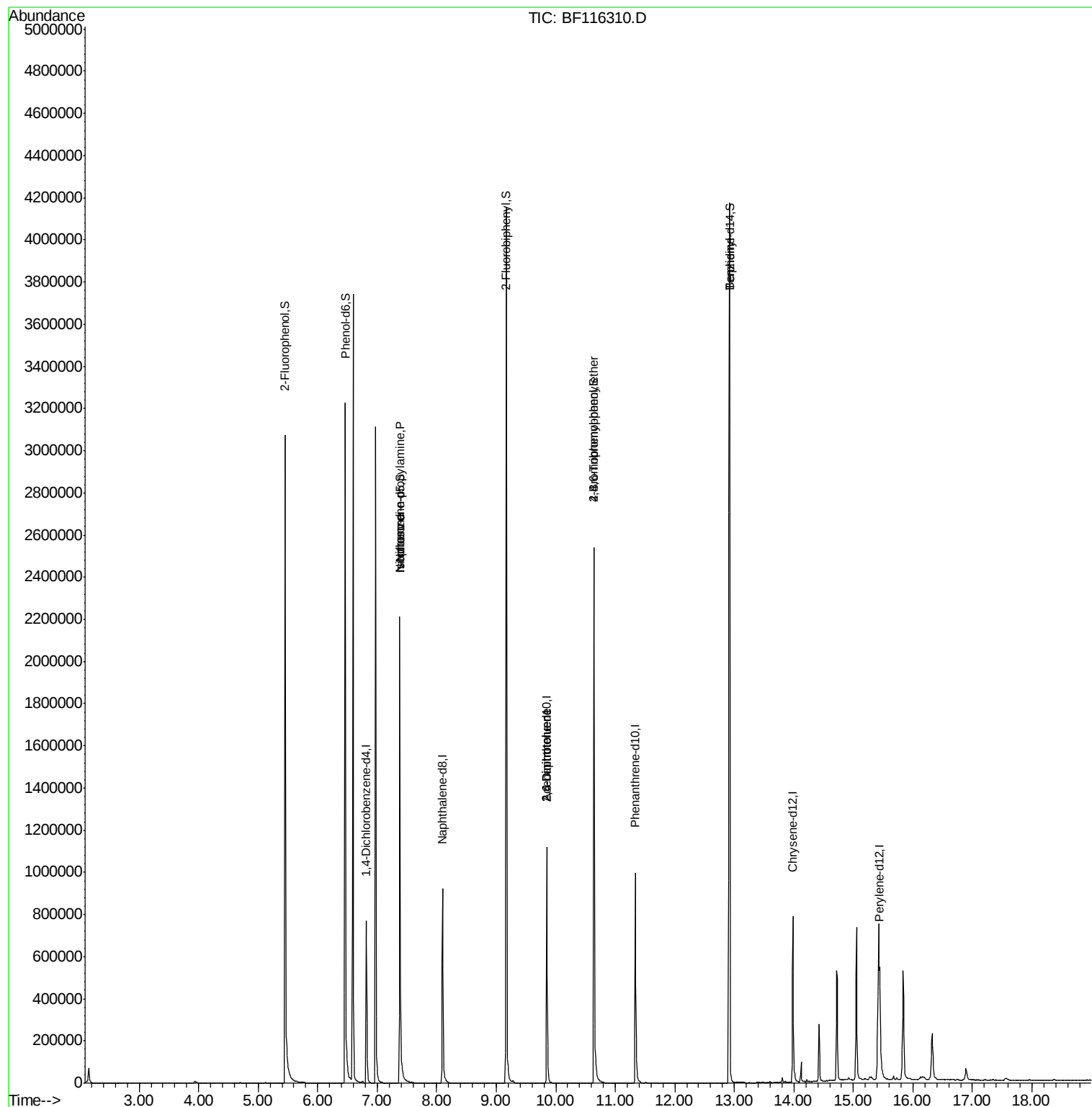
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	128553	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	488517	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	265308	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	475930	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	334304	20.00	ng	-0.03
87) Perylene-d12	15.44	264	311739	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1061386	138.22	ng	-0.02
7) Phenol-d6	6.46	99	1342665	138.58	ng	-0.02
23) Nitrobenzene-d5	7.38	82	893897	105.62	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	378106	147.00	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	1539806	108.71	ng	-0.04
79) Terphenyl-d14	12.92	244	1721352	108.50	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	118141	19.678	ng	# 80
25) Isophorone	7.38	82	893893	55.237	ng	# 65
51) 2,6-Dinitrotoluene	9.85	165	34127	8.693	ng	# 28
57) 2,4-Dinitrotoluene	9.85	165	34127	6.529	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	22329	4.383	ng	# 1
77) Benzidine	12.92	184	22619	2.003	ng	# 96

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

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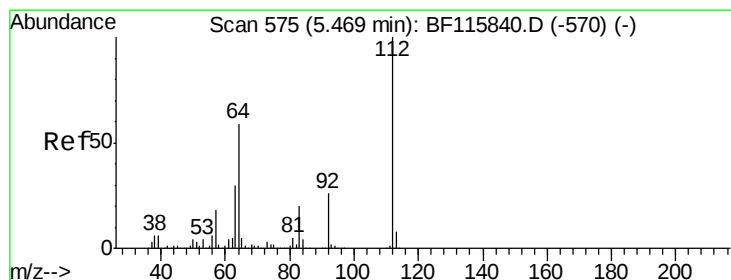
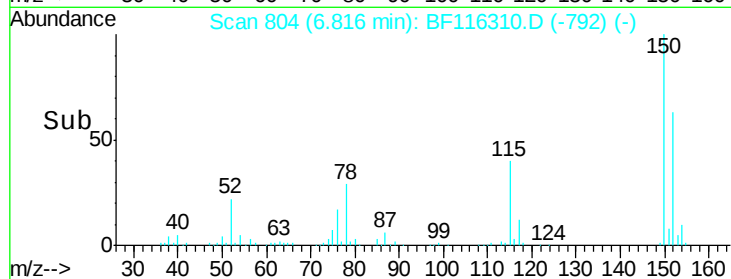
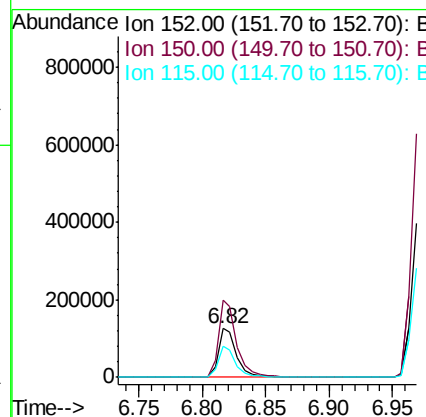
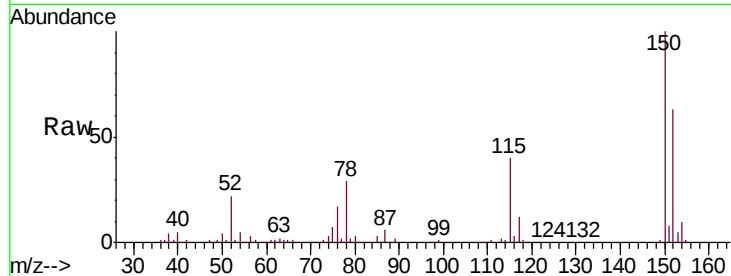




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF116310.D
 Acq: 16 Aug 2019 9:44

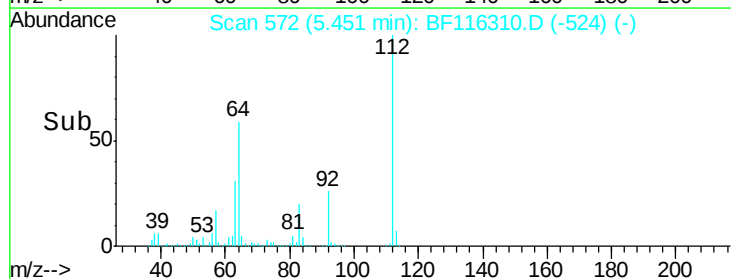
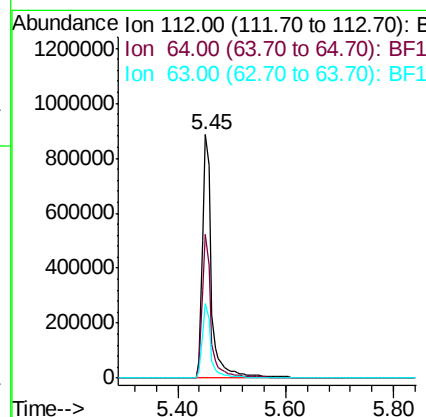
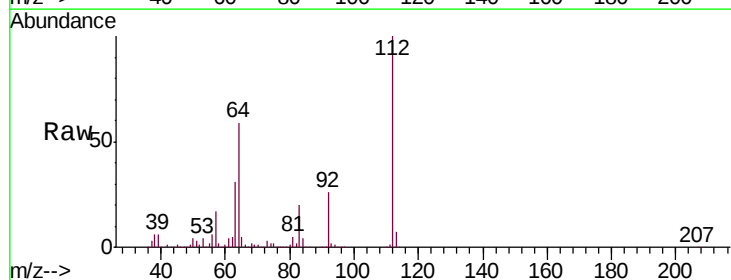
Instrument :
 BNA_F
 ClientSampleId :
 PB122277BL

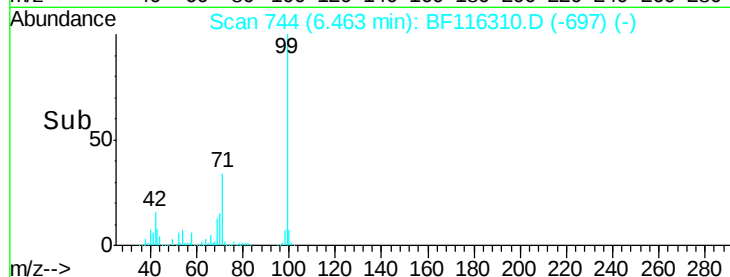
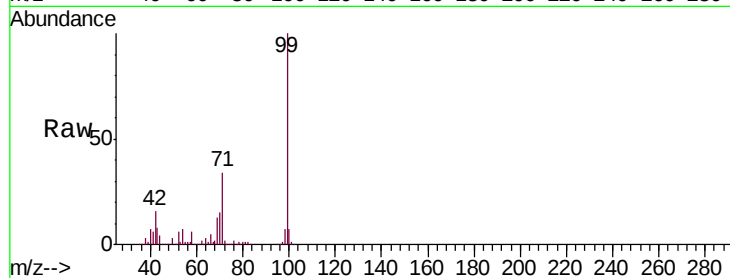
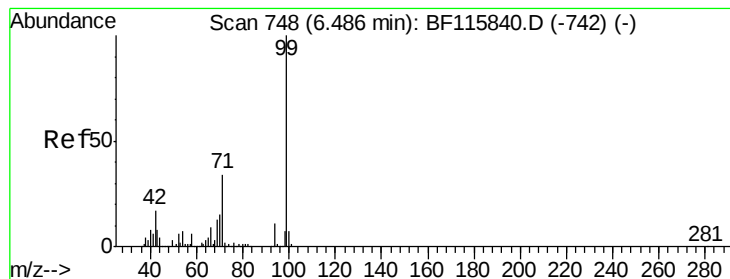
Tgt Ion:152 Resp: 128553
 Ion Ratio Lower Upper
 152 100
 150 158.3 126.2 189.2
 115 62.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 138.217 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.02 min
 Lab File: BF116310.D
 Acq: 16 Aug 2019 9:44

Tgt Ion:112 Resp: 1061386
 Ion Ratio Lower Upper
 112 100
 64 58.8 45.4 68.2
 63 30.7 23.7 35.5





#7

Phenol-d6

Concen: 138.583 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

Instrument :

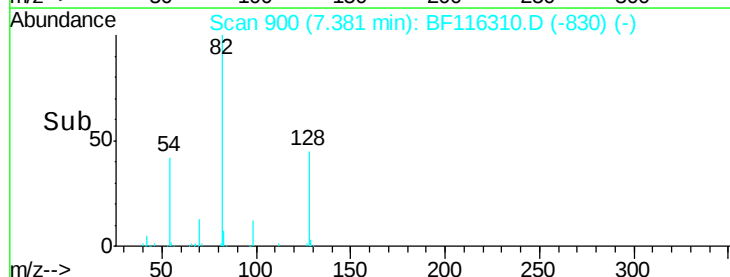
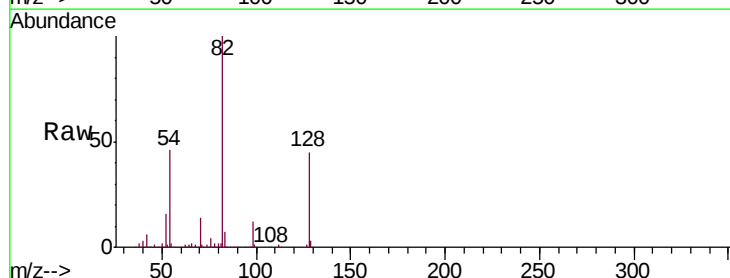
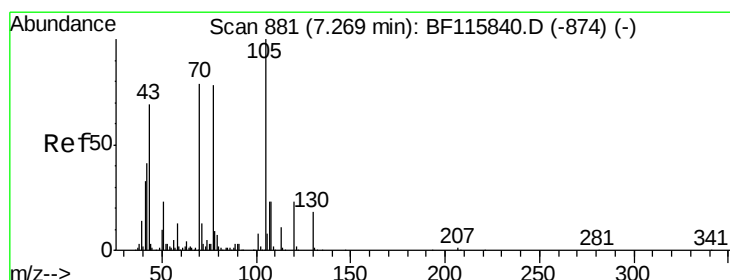
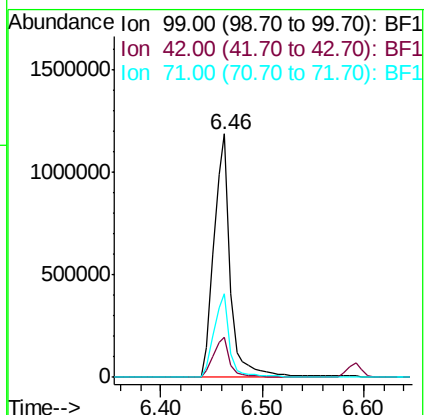
BNA_F

ClientSampleId :

PB122277BL

Tgt Ion: 99 Resp: 1342665

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.8	20.8
71	34.1	27.3	40.9



#19

n-Nitroso-di-n-propylamine

Concen: 19.678 ng

RT: 7.38 min Scan# 900

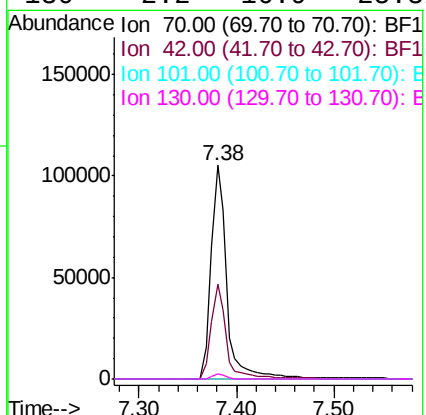
Delta R.T. 0.11 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

Tgt Ion: 70 Resp: 118141

Ion	Ratio	Lower	Upper
70	100		
42	44.1	40.9	61.3
101	0.0	7.9	11.9#
130	2.2	16.9	25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

Instrument :

BNA_F

ClientSampleId :

PB122277BL

Tgt Ion: 136 Resp: 488517

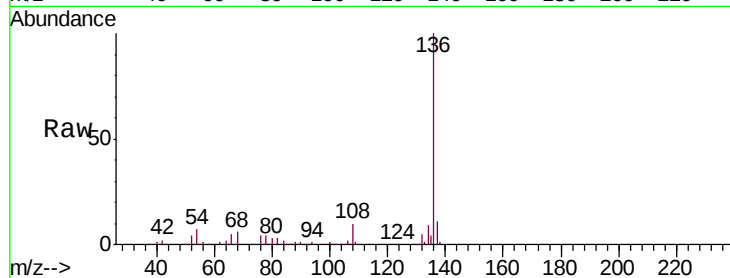
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.0 5.8 8.6

68 6.1 5.2 7.8

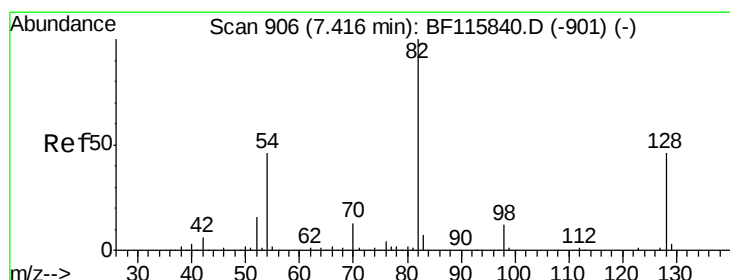
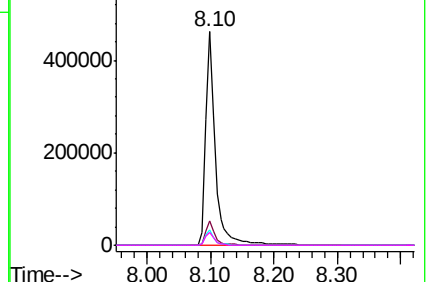
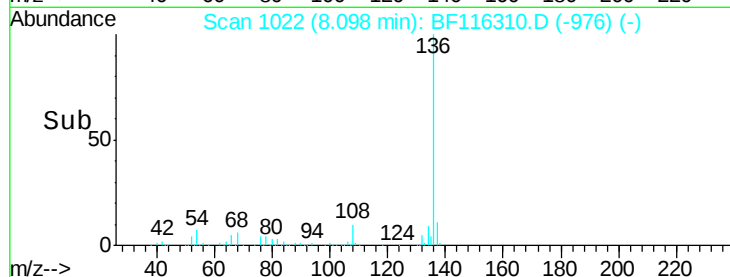


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.623 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.04 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

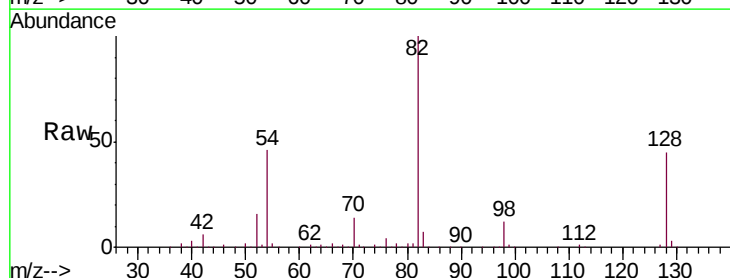
Tgt Ion: 82 Resp: 893897

Ion Ratio Lower Upper

82 100

128 45.2 36.5 54.7

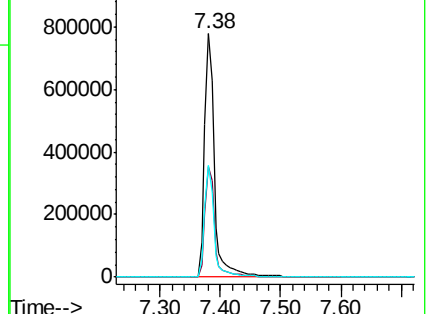
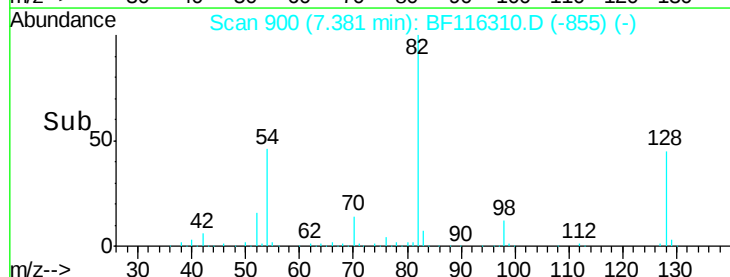
54 45.8 36.0 54.0



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: 55.237 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

Instrument :

BNA_F

ClientSampleId :

PB122277BL

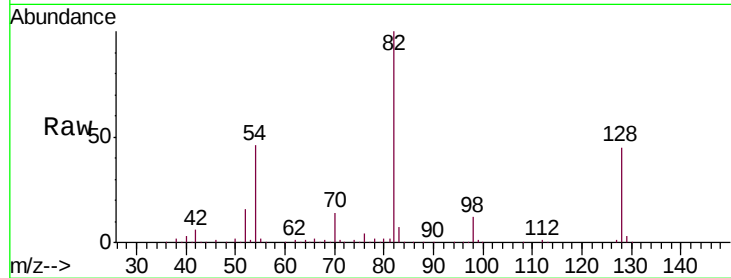
Tgt Ion: 82 Resp: 893893

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

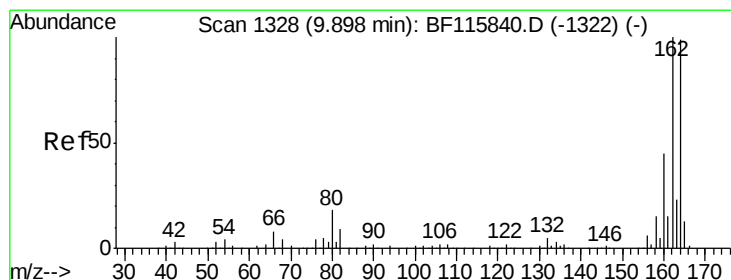
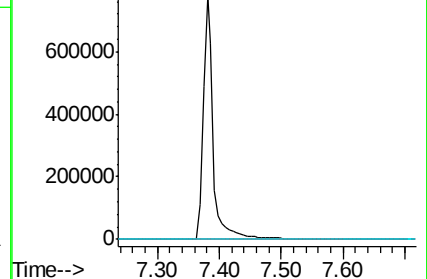
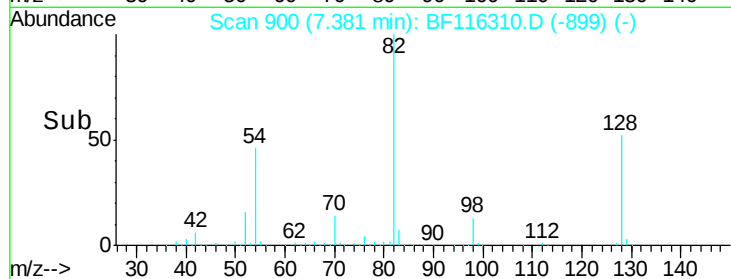
138 0.0 14.5 21.7#



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# 1320

Delta R.T. -0.04 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

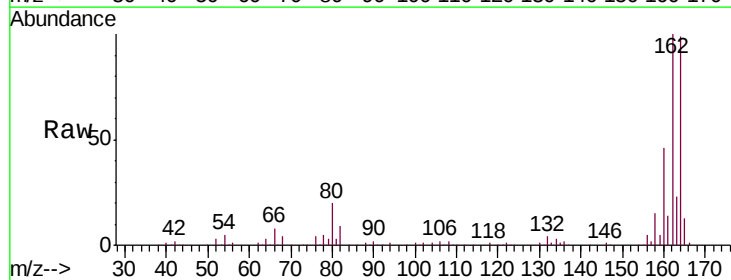
Tgt Ion: 164 Resp: 265308

Ion Ratio Lower Upper

164 100

162 100.7 82.6 124.0

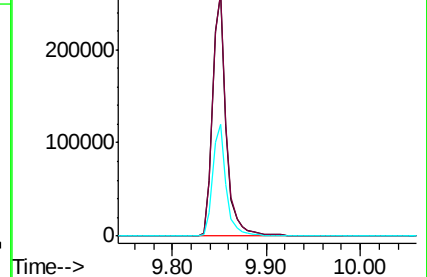
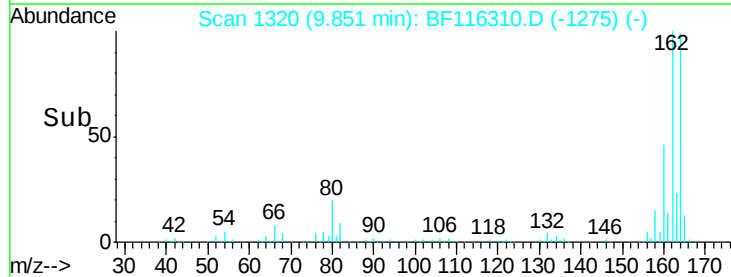
160 46.5 37.6 56.4



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: 146.995 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

Instrument :

BNA_F

ClientSampleId :

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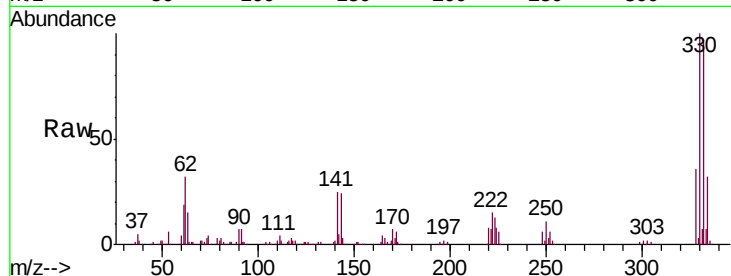
Tgt Ion:330 Resp: 378106

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

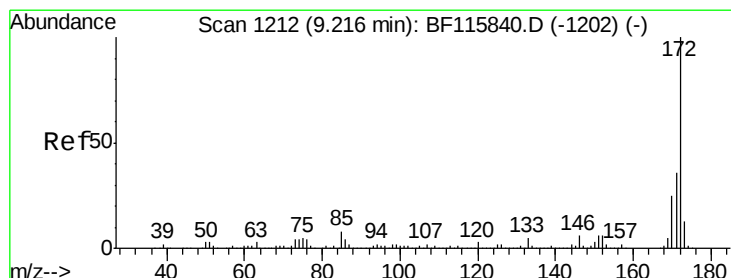
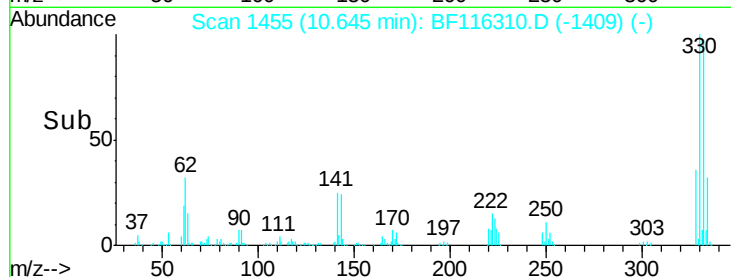
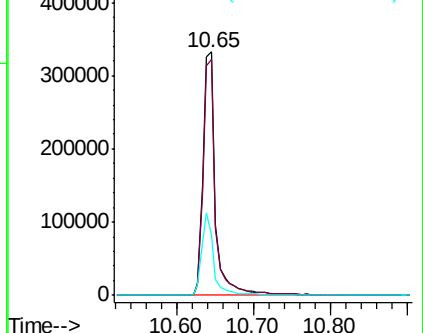
141 32.9 26.3 39.5



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: 108.710 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

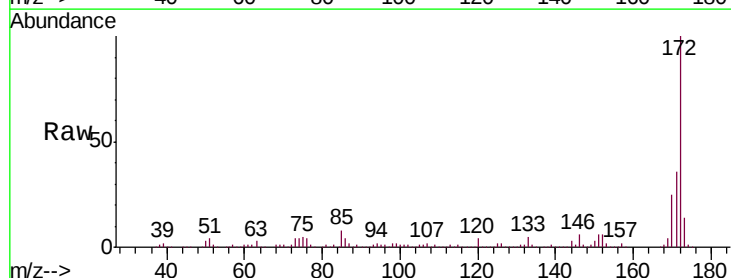
Tgt Ion:172 Resp: 1539806

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

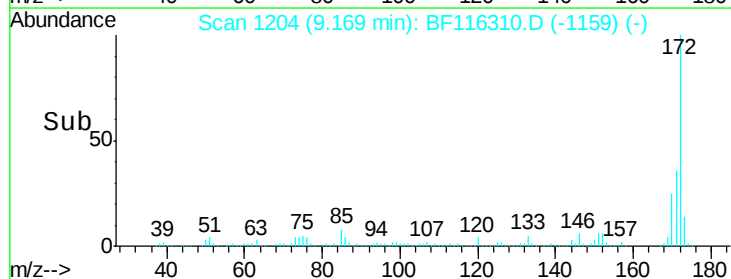
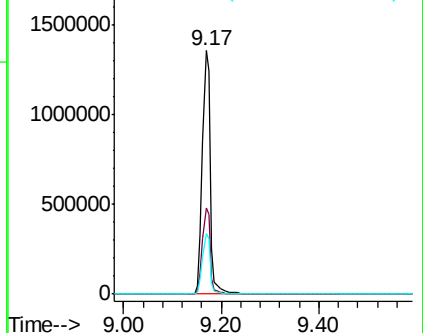
170 25.0 20.1 30.1

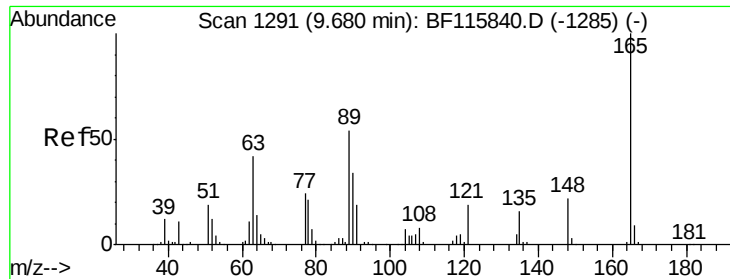


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

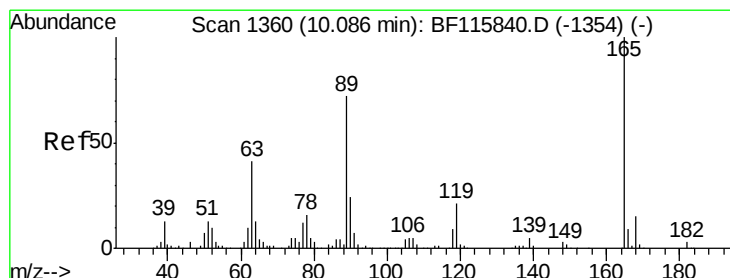
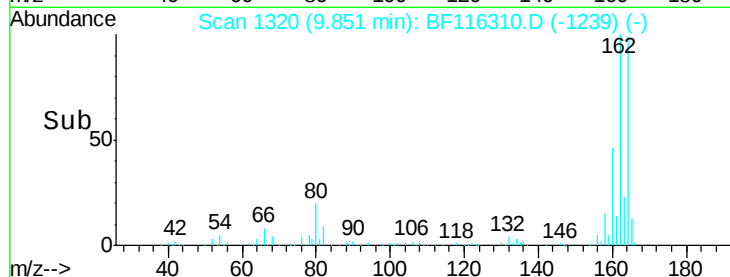
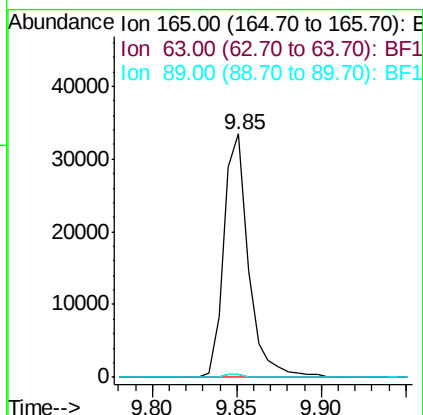
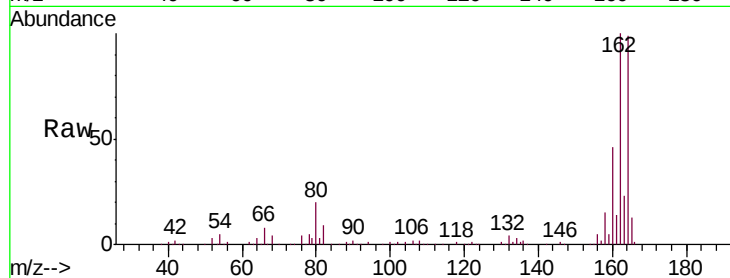




#51
 2,6-Dinitrotoluene
 Concen: 8.693 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.18 min
 Lab File: BF116310.D
 Acq: 16 Aug 2019 9:44

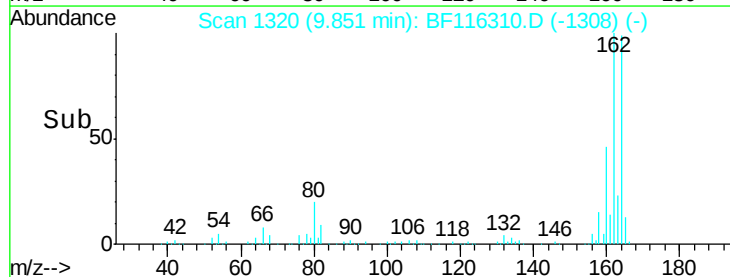
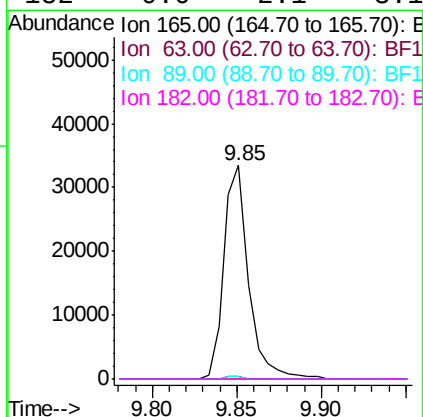
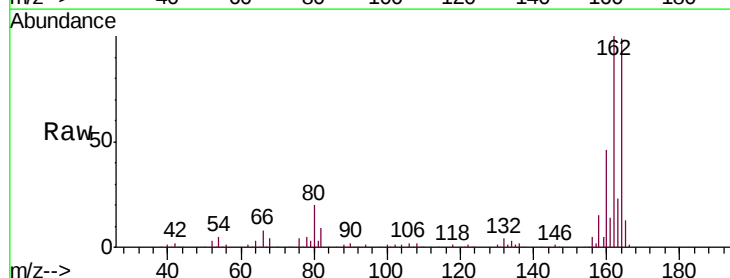
Instrument :
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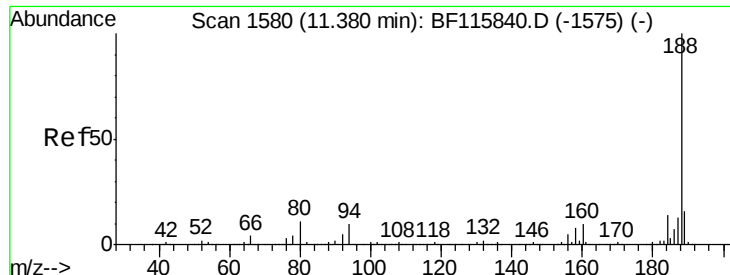
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.1	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.529 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF116310.D
 Acq: 16 Aug 2019 9:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.1	62.2	93.2#
182	0.0	2.1	3.1#

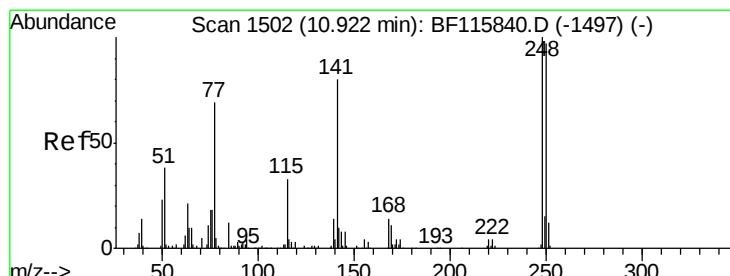
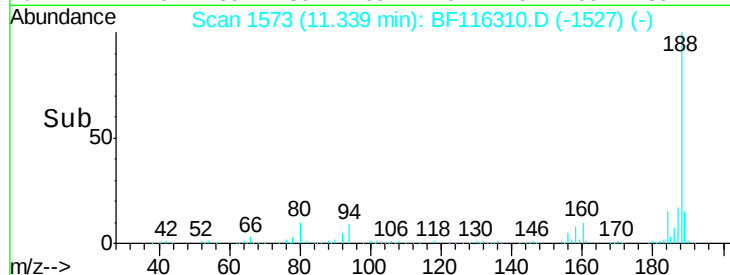
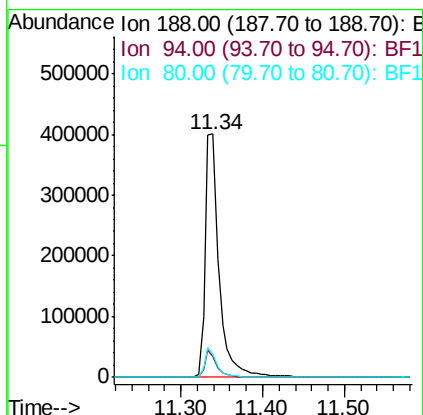
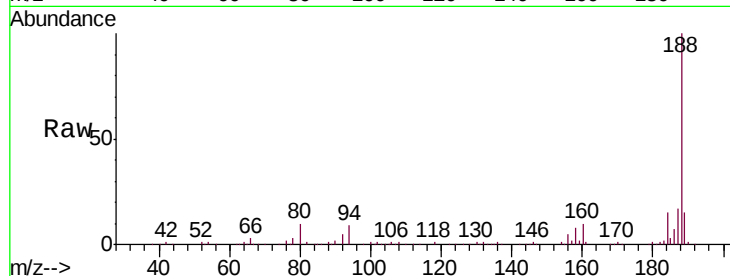




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF116310.D
 Acq: 16 Aug 2019 9:44

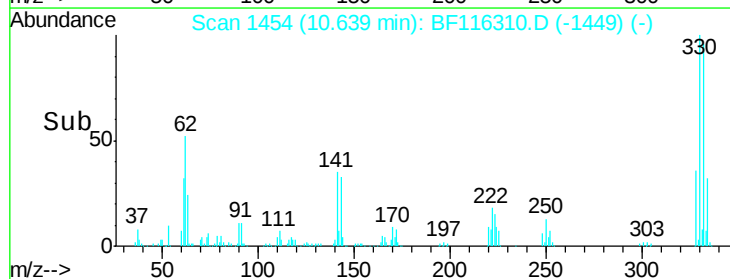
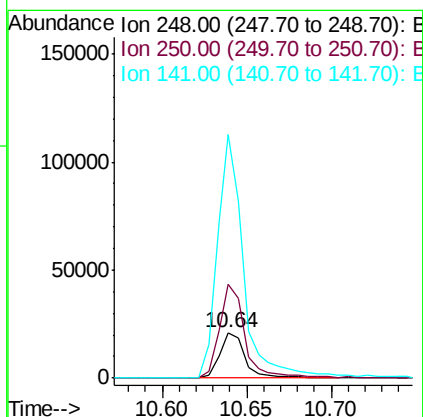
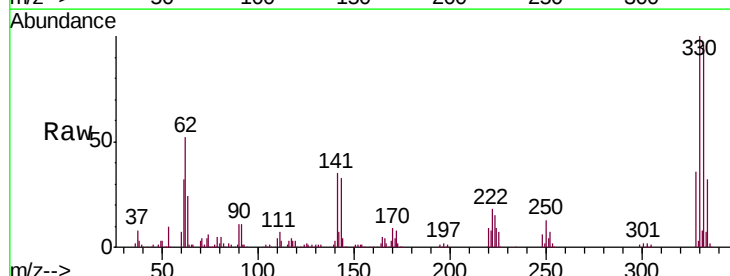
Instrument :
 BNA_F
 ClientSampleId :
 PB122277BL

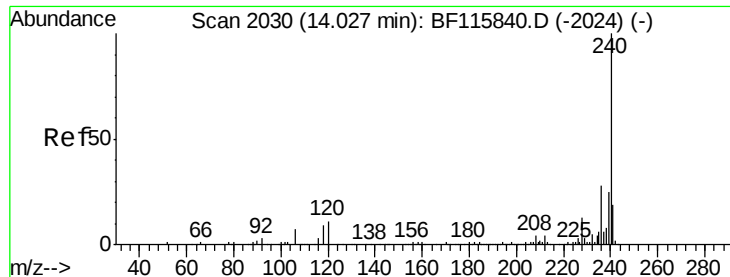
Tgt Ion:188 Resp: 475930
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.1 12.1
 80 9.7 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.383 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.27 min
 Lab File: BF116310.D
 Acq: 16 Aug 2019 9:44

Tgt Ion:248 Resp: 22329
 Ion Ratio Lower Upper
 248 100
 250 205.2 77.4 116.2#
 141 531.6 56.8 85.2#

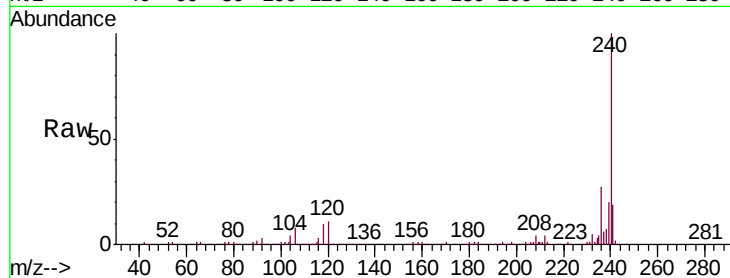




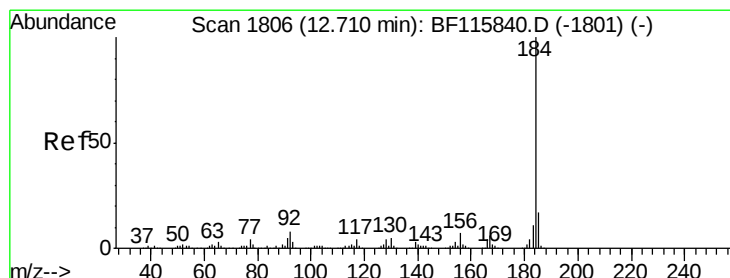
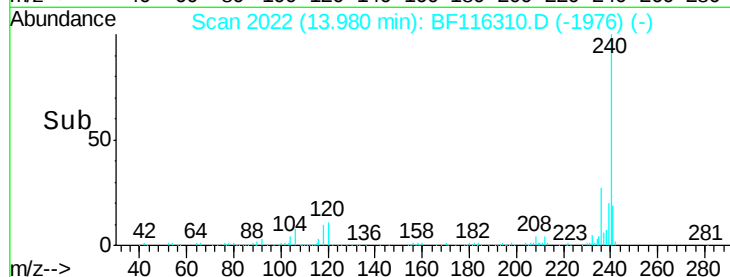
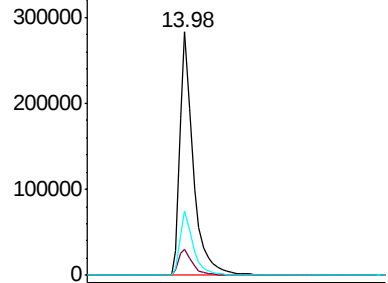
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116310.D
Acq: 16 Aug 2019 9:44

Instrument :
BNA_F
ClientSampleId :
PB122277BL

Tgt Ion:240 Resp: 334304
Ion Ratio Lower Upper
240 100
120 10.7 10.7 16.1
236 26.6 22.2 33.2

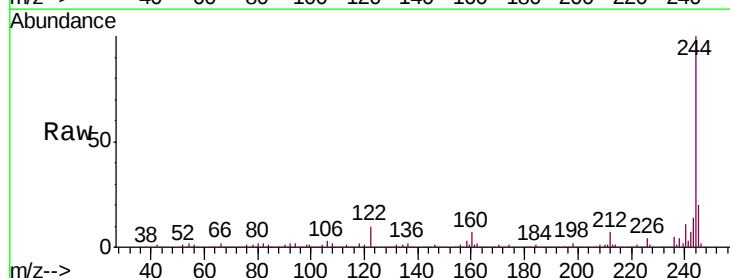


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

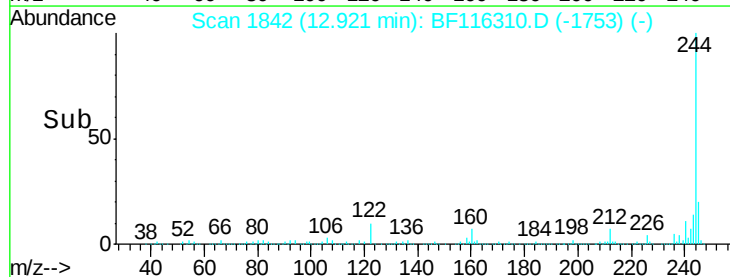
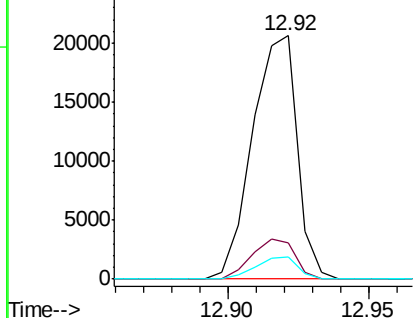


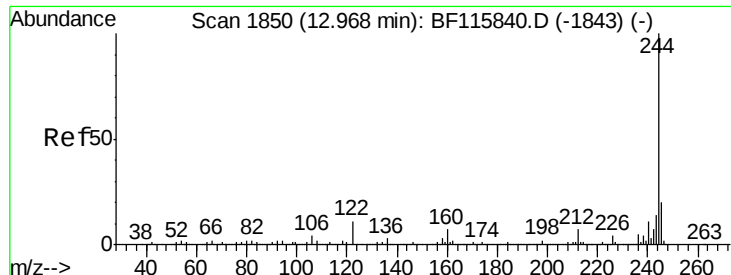
#77
Benzidine
Concen: 2.003 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.22 min
Lab File: BF116310.D
Acq: 16 Aug 2019 9:44

Tgt Ion:184 Resp: 22619
Ion Ratio Lower Upper
184 100
185 15.0 12.8 19.2
183 9.3 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: 108.499 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.03 min

Lab File: BF116310.D

Acq: 16 Aug 2019 9:44

Instrument :

BNA_F

ClientSampleId :

PB122277BL

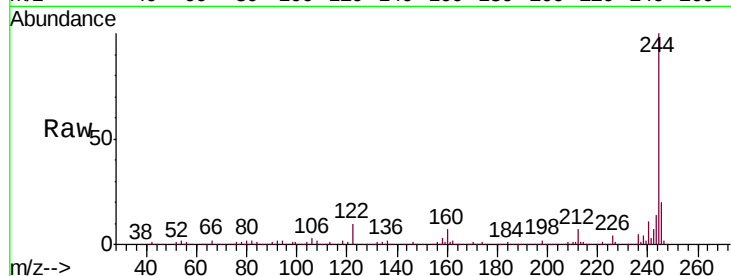
Tgt Ion:244 Resp: 1721352

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

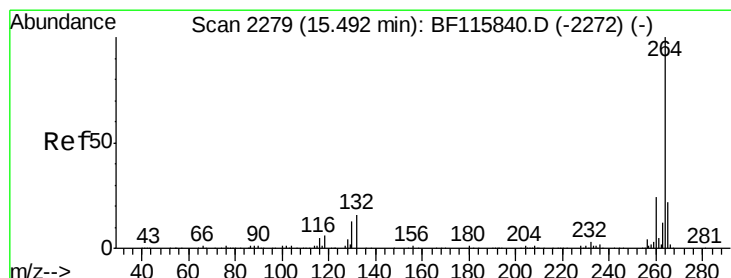
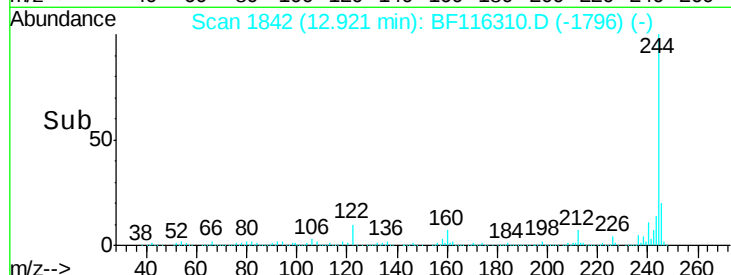
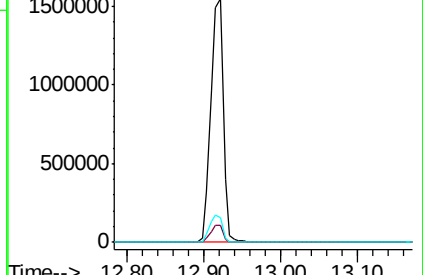
122 10.4 9.0 13.4



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: BF116310.D

Acq: 16 Aug 2019 9:44

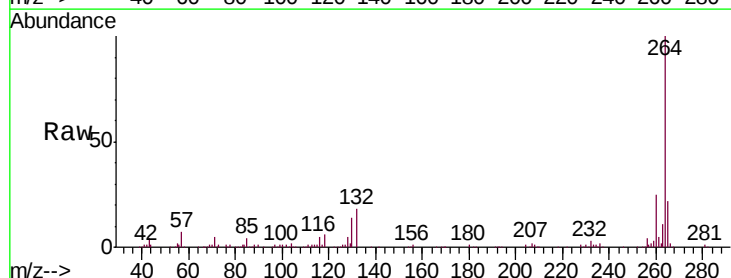
Tgt Ion:264 Resp: 311739

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 21.7 17.4 26.0



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

