

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119885.D
 Acq On : 9 Apr 2020 22:20
 Operator : MA/SJ
 Sample : L2162-12 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:32:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

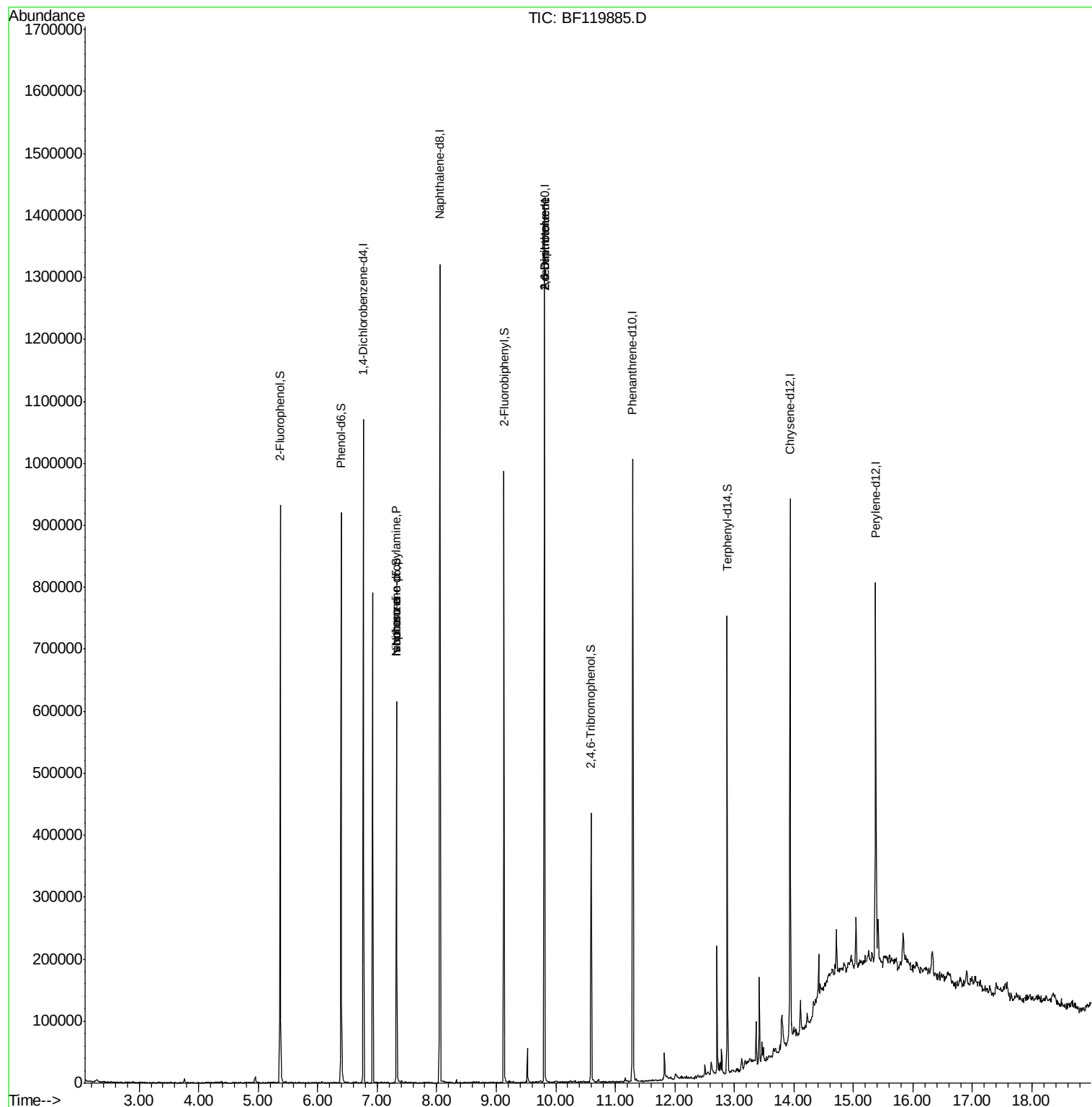
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	148766	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	521908	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	255249	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	379808	20.00	ng	0.00
76) Chrysene-d12	13.94	240	318523	20.00	ng	0.00
87) Perylene-d12	15.37	264	284943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	214508	24.92	ng	0.00
7) Phenol-d6	6.39	99	265487	23.93	ng	-0.01
23) Nitrobenzene-d5	7.33	82	158788	15.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	50864	16.28	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	267451	14.88	ng	-0.01
79) Terphenyl-d14	12.88	244	240606	12.71	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	233	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	20220	2.835 ng	#	75
25) Isophorone	7.33	82	158785	8.165 ng	#	65
51) 2,6-Dinitrotoluene	9.81	165	32786	7.583 ng	#	19
57) 2,4-Dinitrotoluene	9.81	165	32786	5.756 ng	#	22

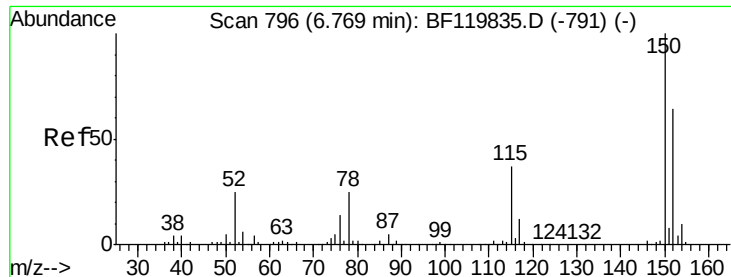
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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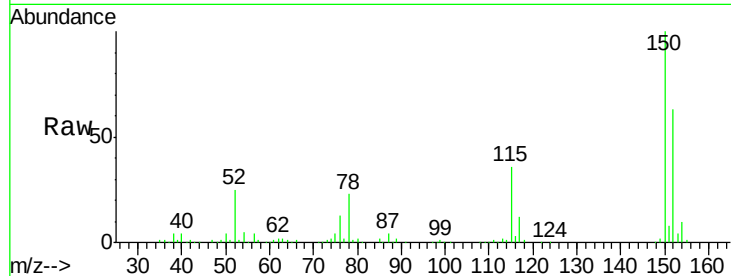


#1

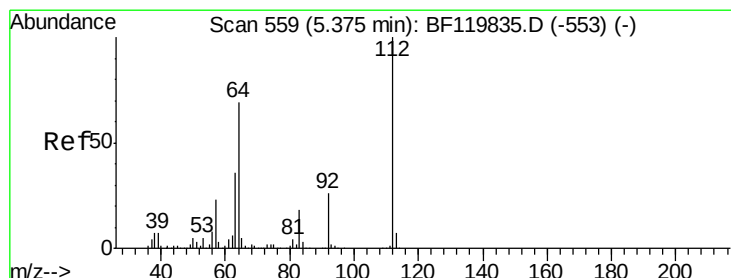
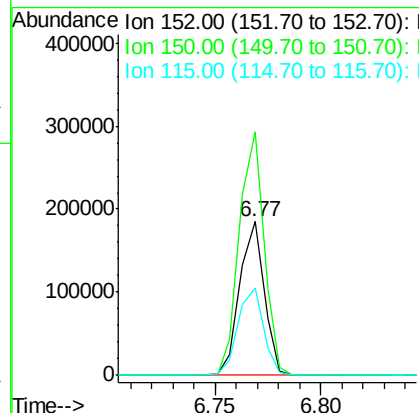
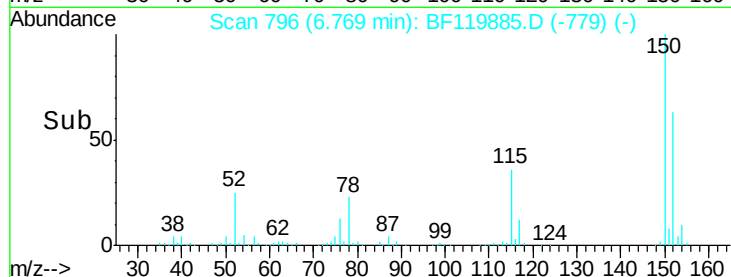
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF119885.D
Acq: 9 Apr 2020 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148766
Ion Ratio Lower Upper
152 100
150 158.4 124.8 187.2
115 57.2 46.5 69.7



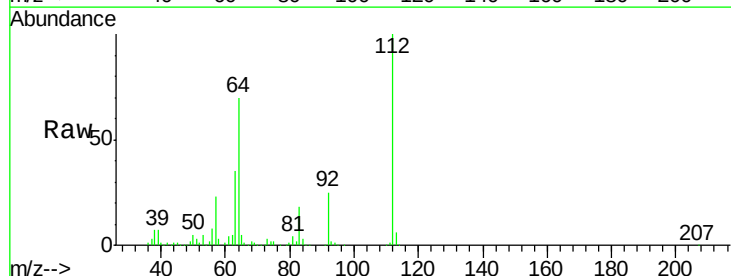
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



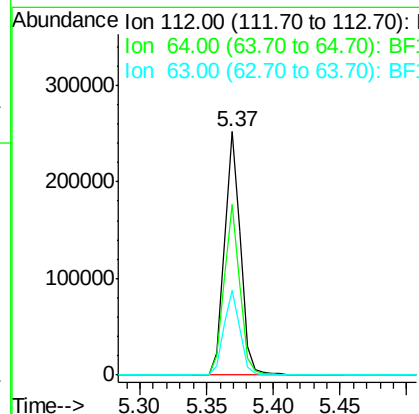
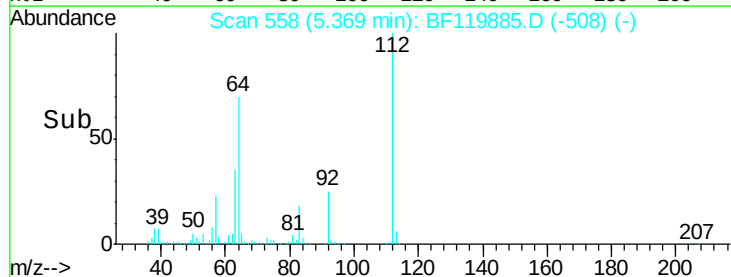
#5

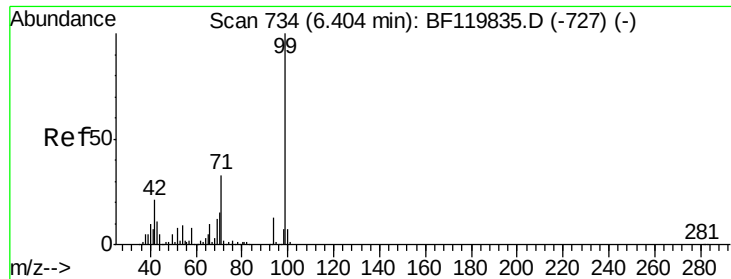
2-Fluorophenol
Concen: 24.919 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119885.D
Acq: 9 Apr 2020 22:20

Tgt Ion:112 Resp: 214508
Ion Ratio Lower Upper
112 100
64 70.0 55.5 83.3
63 34.7 29.1 43.7



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: 23.935 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

Instrument :

BNA_F

ClientSampleId :

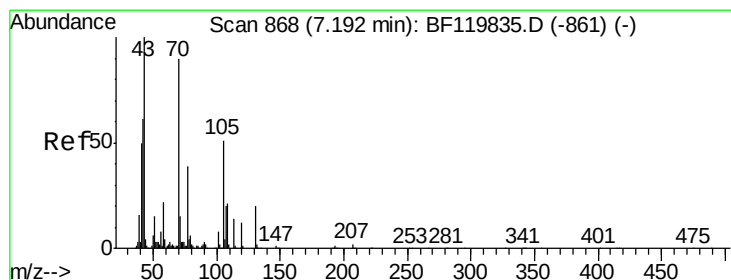
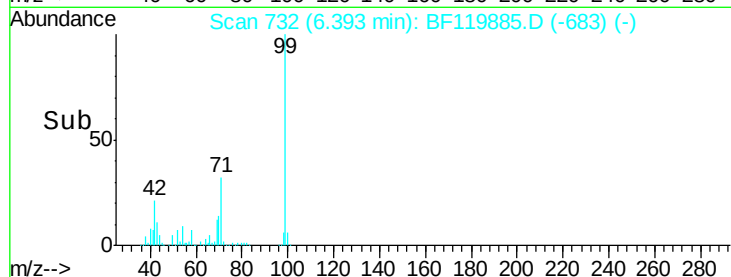
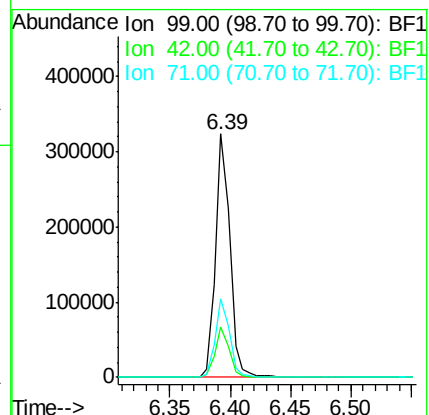
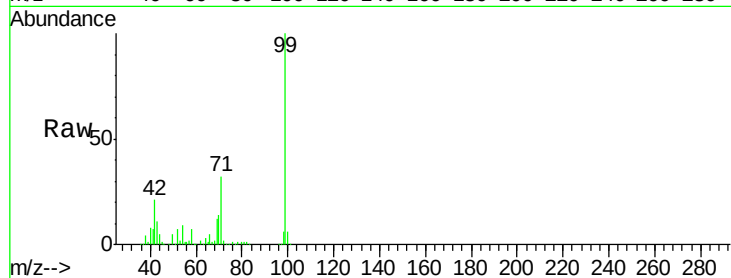
Tot Ion: 99 Resp: 265487

Ion Ratio Lower Upper

99 100

42 20.7 16.9 25.3

71 32.2 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.835 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

Tgt Ion: 70 Resp: 20220

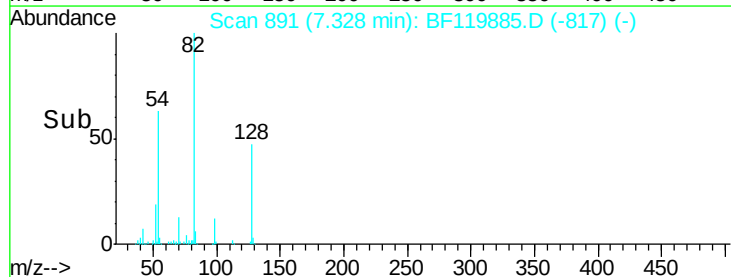
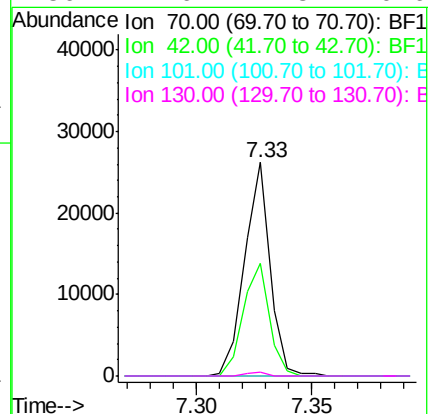
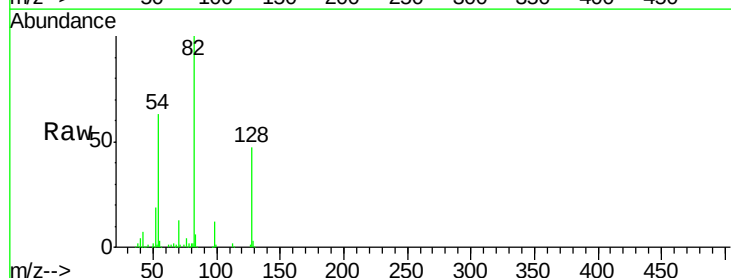
Ion Ratio Lower Upper

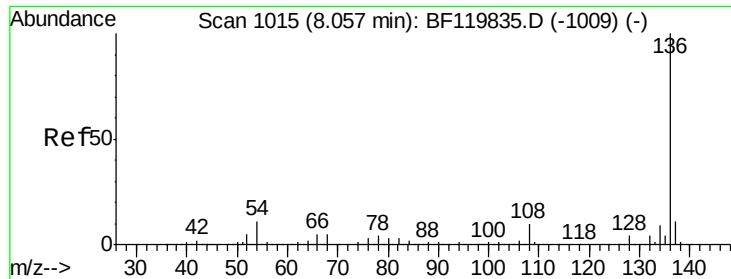
70 100

42 52.9 54.2 81.4#

101 0.0 7.4 11.2#

130 1.6 17.8 26.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 521908

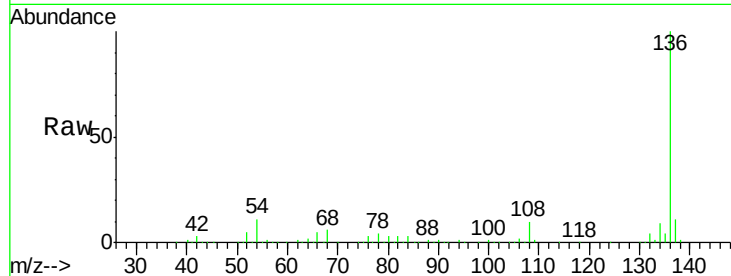
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 11.5 8.5 12.7

68 5.6 3.9 5.9

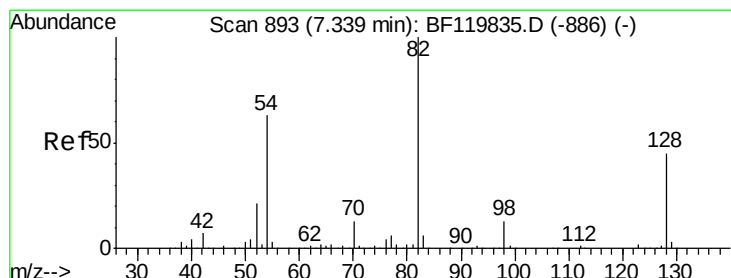
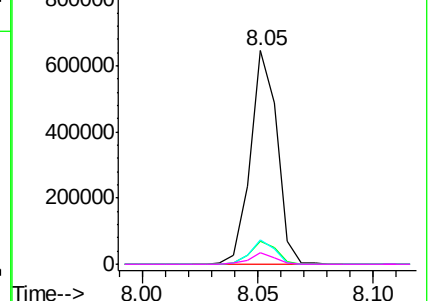
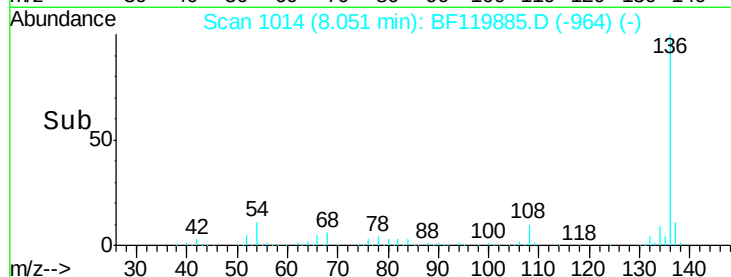


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.740 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

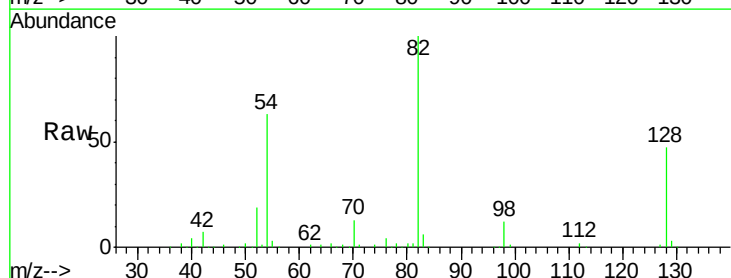
Tgt Ion: 82 Resp: 158788

Ion Ratio Lower Upper

82 100

128 46.7 36.2 54.4

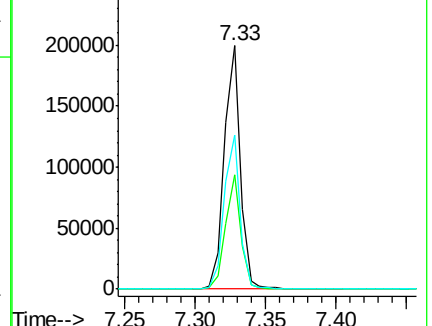
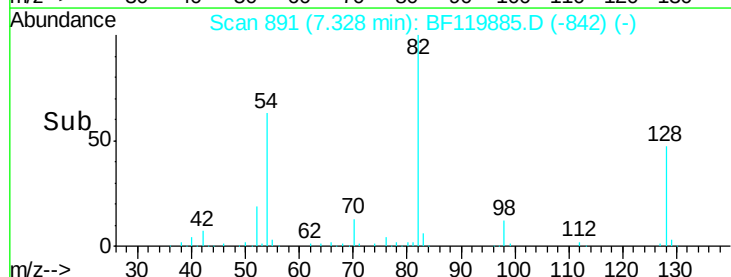
54 63.3 50.4 75.6

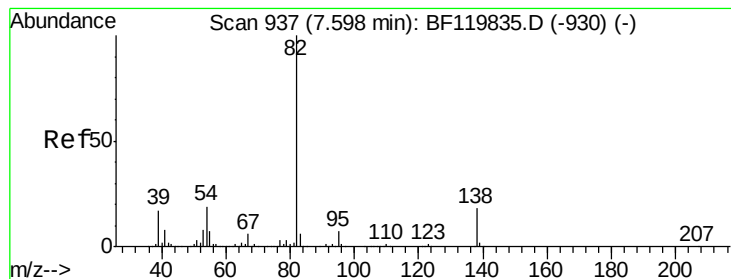


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.165 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

Instrument :

BNA_F

ClientSampleId :

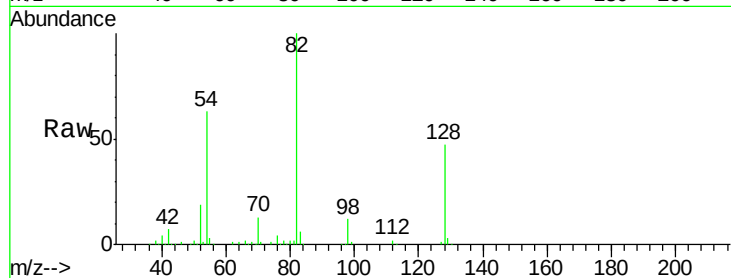
Tot Ion: 82 Resp: 158785

Ion Ratio Lower Upper

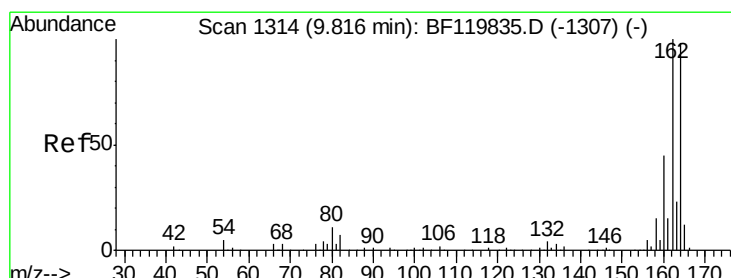
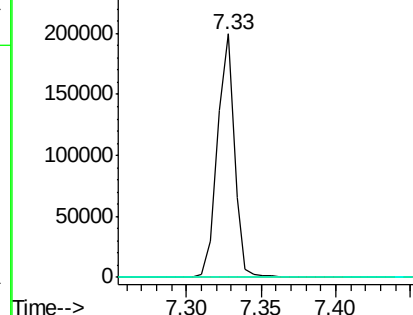
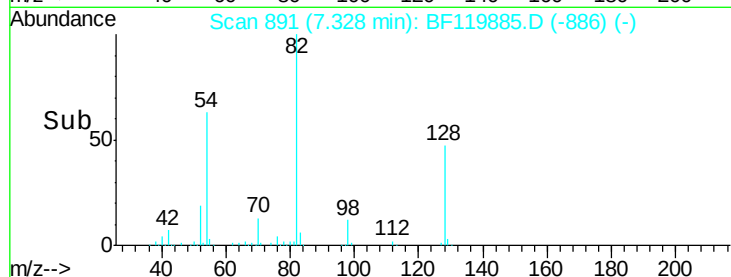
82 100

95 0.0 5.8 8.6#

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: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

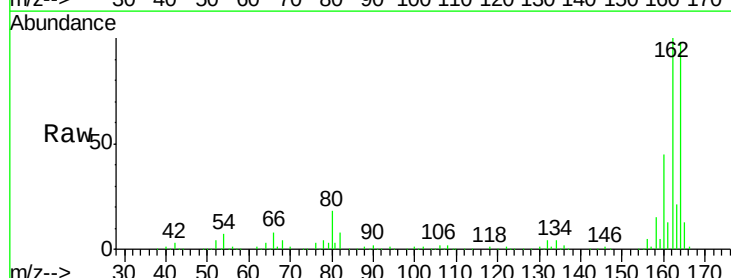
Tgt Ion:164 Resp: 255249

Ion Ratio Lower Upper

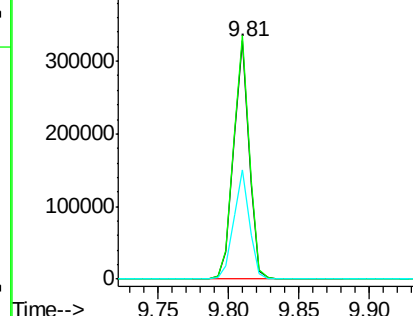
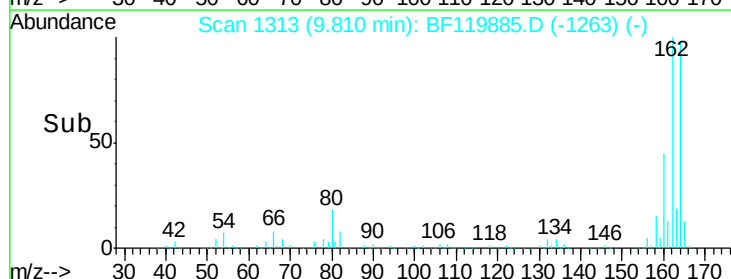
164 100

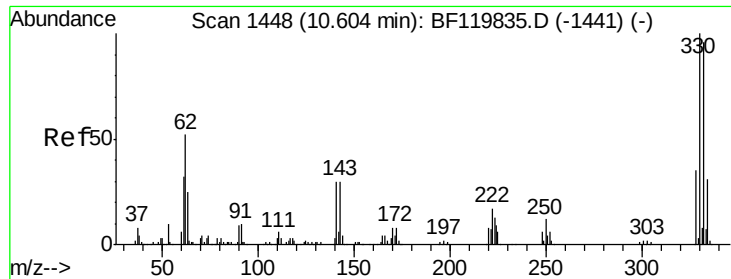
162 102.2 81.9 122.9

160 46.0 36.6 54.8



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

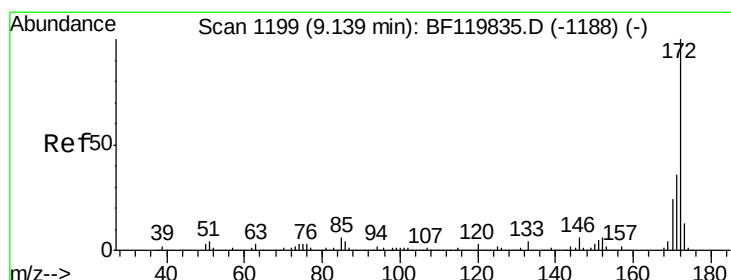
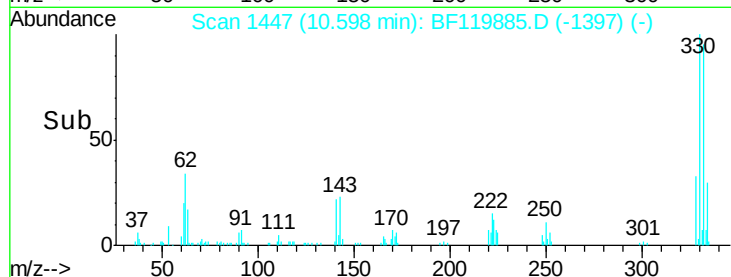
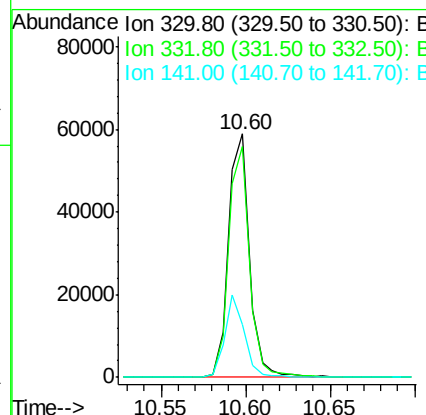
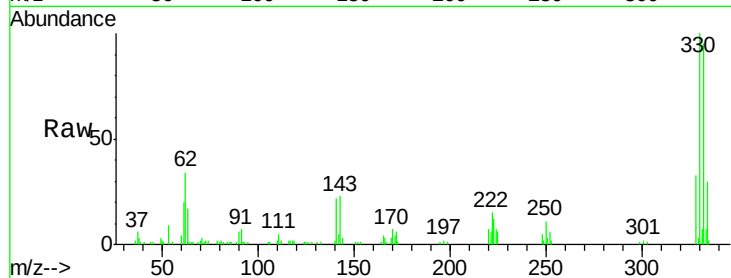




#42
 2,4,6-Tribromophenol
 Concen: 16.276 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF119885.D
 Acq: 9 Apr 2020 22:20

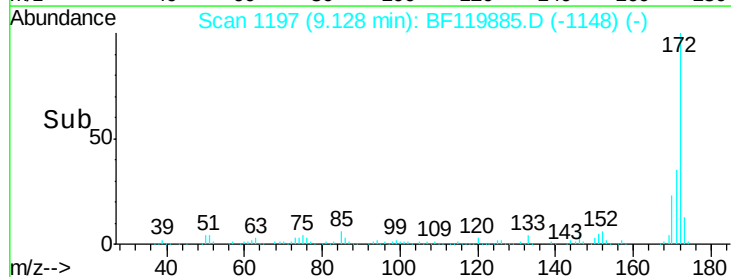
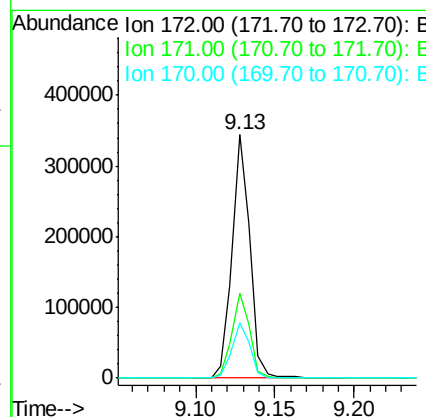
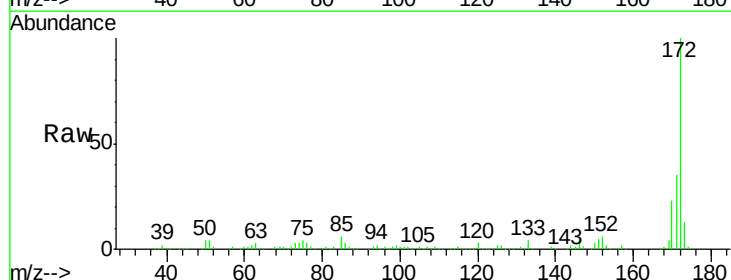
Instrument :
 BNA_F
 ClientSampleId :

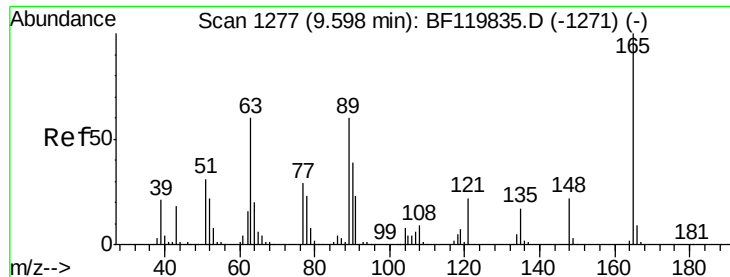
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.8	115.2
141	31.7	25.1	37.7



#45
 2-Fluorobiphenyl
 Concen: 14.877 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF119885.D
 Acq: 9 Apr 2020 22:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	22.9	19.4	29.2

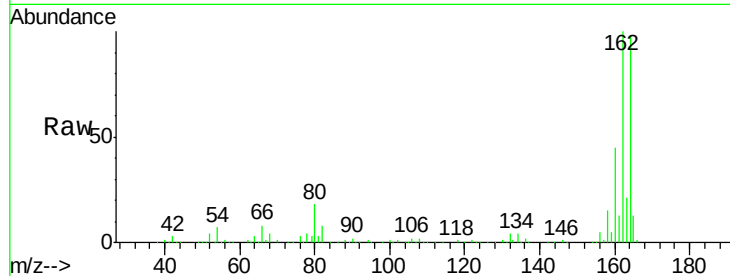




#51
 2,6-Dinitrotoluene
 Concen: 7.583 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.21 min
 Lab File: BF119885.D
 Acq: 9 Apr 2020 22:20

Instrument :
 BNA_F
 ClientSampled :

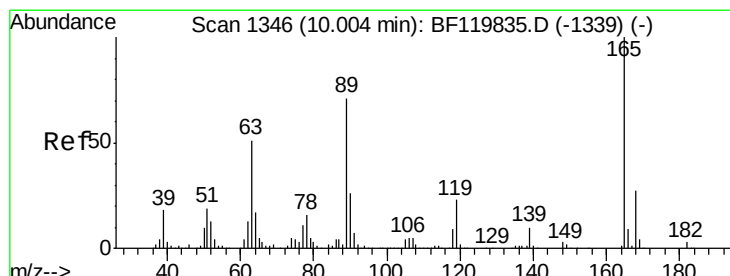
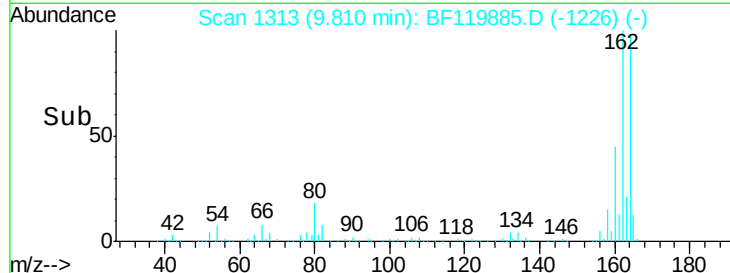
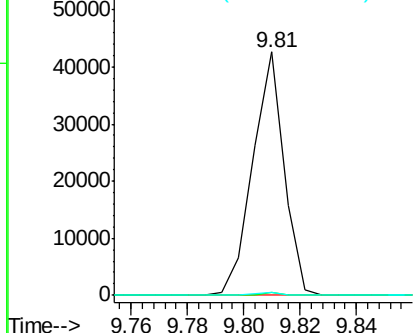
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	55.6	83.4#
89	1.1	47.9	71.9#



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: 5.756 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF119885.D
 Acq: 9 Apr 2020 22:20

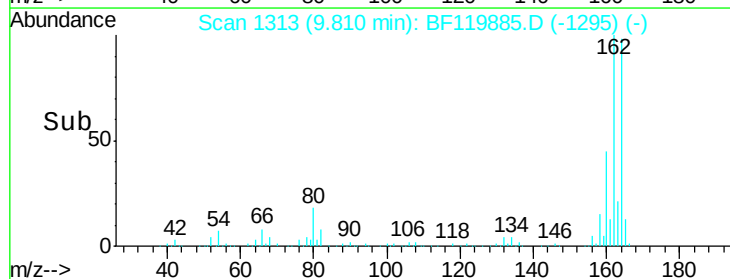
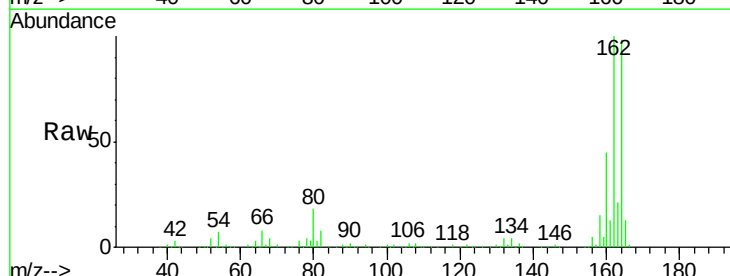
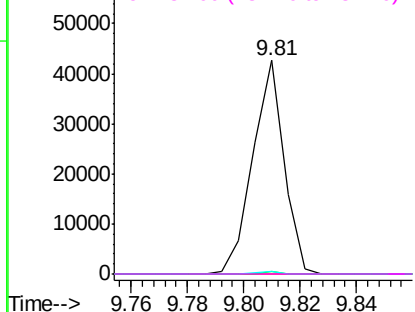
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.8	61.2#
89	1.1	56.9	85.3#
182	0.0	2.0	3.0#

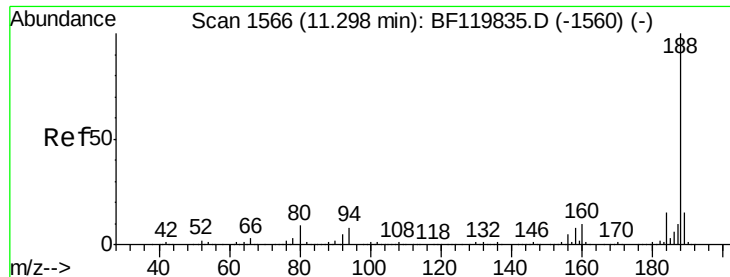
Abundance Ion 165.00 (164.70 to 165.70): E

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

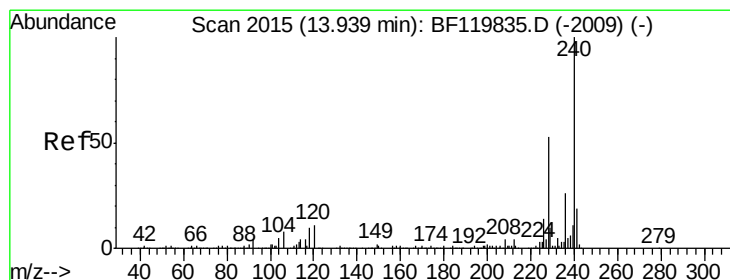
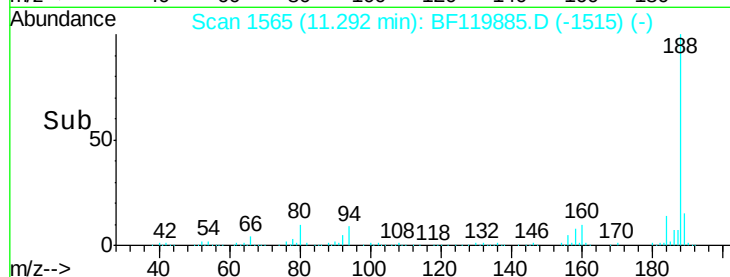
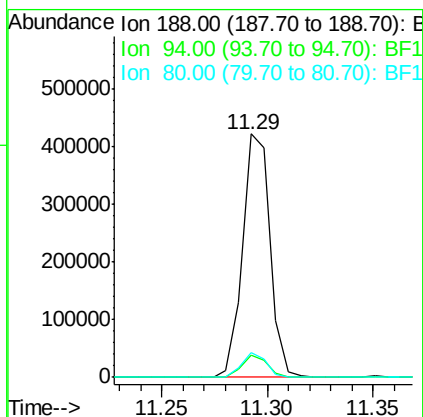
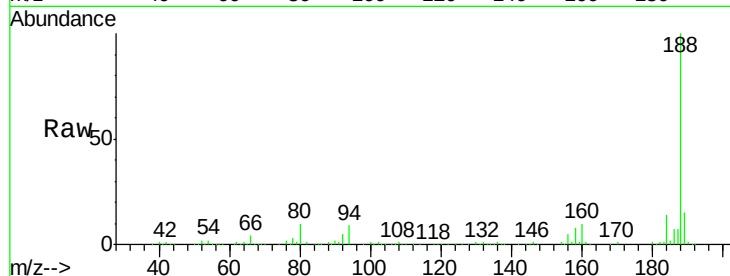




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119885.D
Acq: 9 Apr 2020 22:20

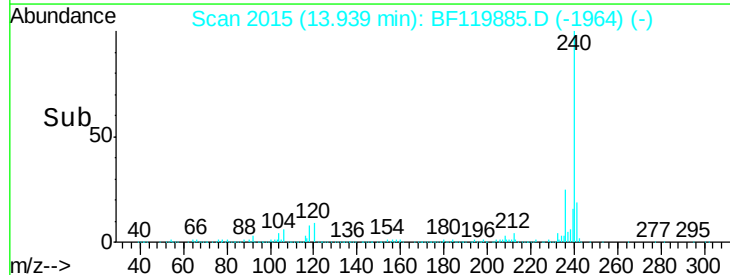
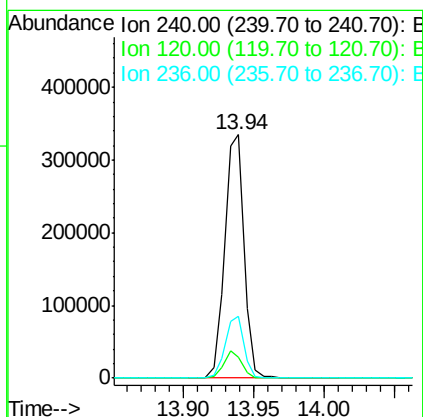
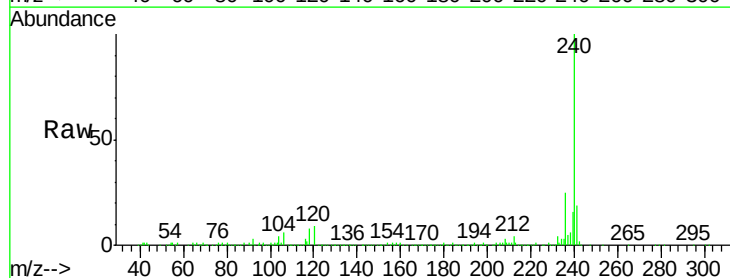
Instrument :
BNA_F
ClientSampled :

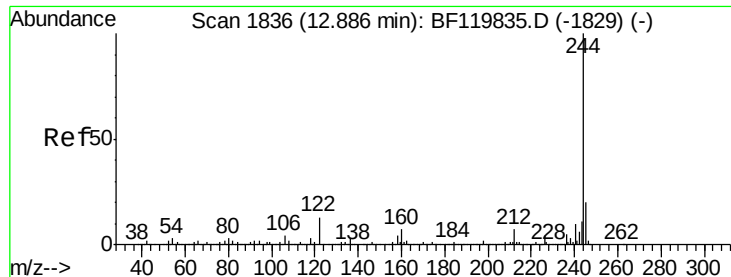
Tot Ion:188 Resp: 379808
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 10.2 7.4 11.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF119885.D
Acq: 9 Apr 2020 22:20

Tgt Ion:240 Resp: 318523
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.6#
236 25.2 20.7 31.1





#79

Terphenyl-d14

Concen: 12.710 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

Instrument :

BNA_F

ClientSampleId :

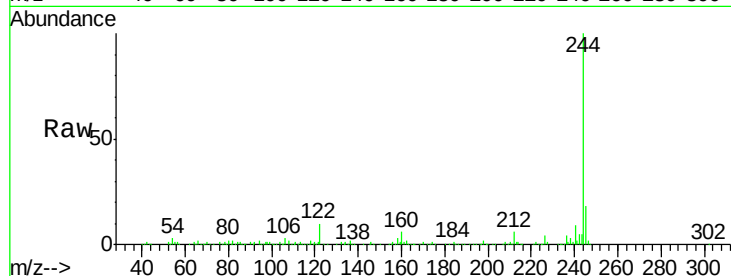
Tot Ion:244 Resp: 240606

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

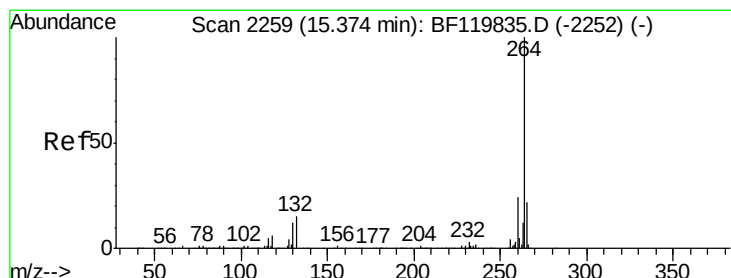
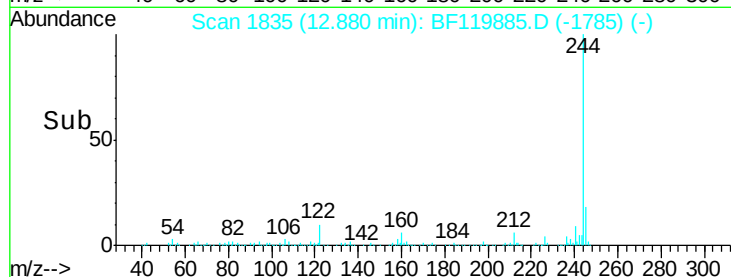
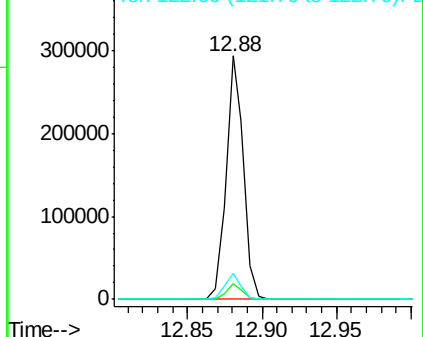
122 10.5 10.3 15.5



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: 15.37 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF119885.D

Acq: 9 Apr 2020 22:20

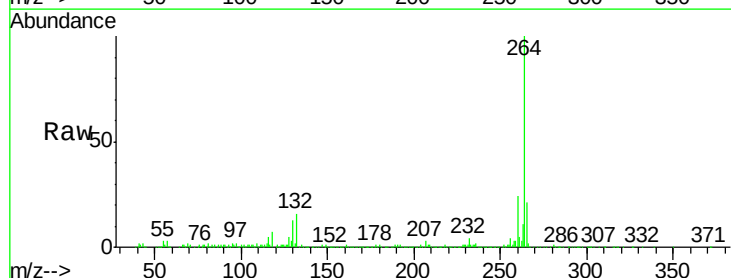
Tgt Ion:264 Resp: 284943

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 21.0 17.6 26.4



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

