

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
 Data File : BF111300.D
 Acq On : 12 Dec 2018 2:27
 Operator : JU/SJ
 Sample : J6193-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-D

Quant Time: Dec 12 04:32:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

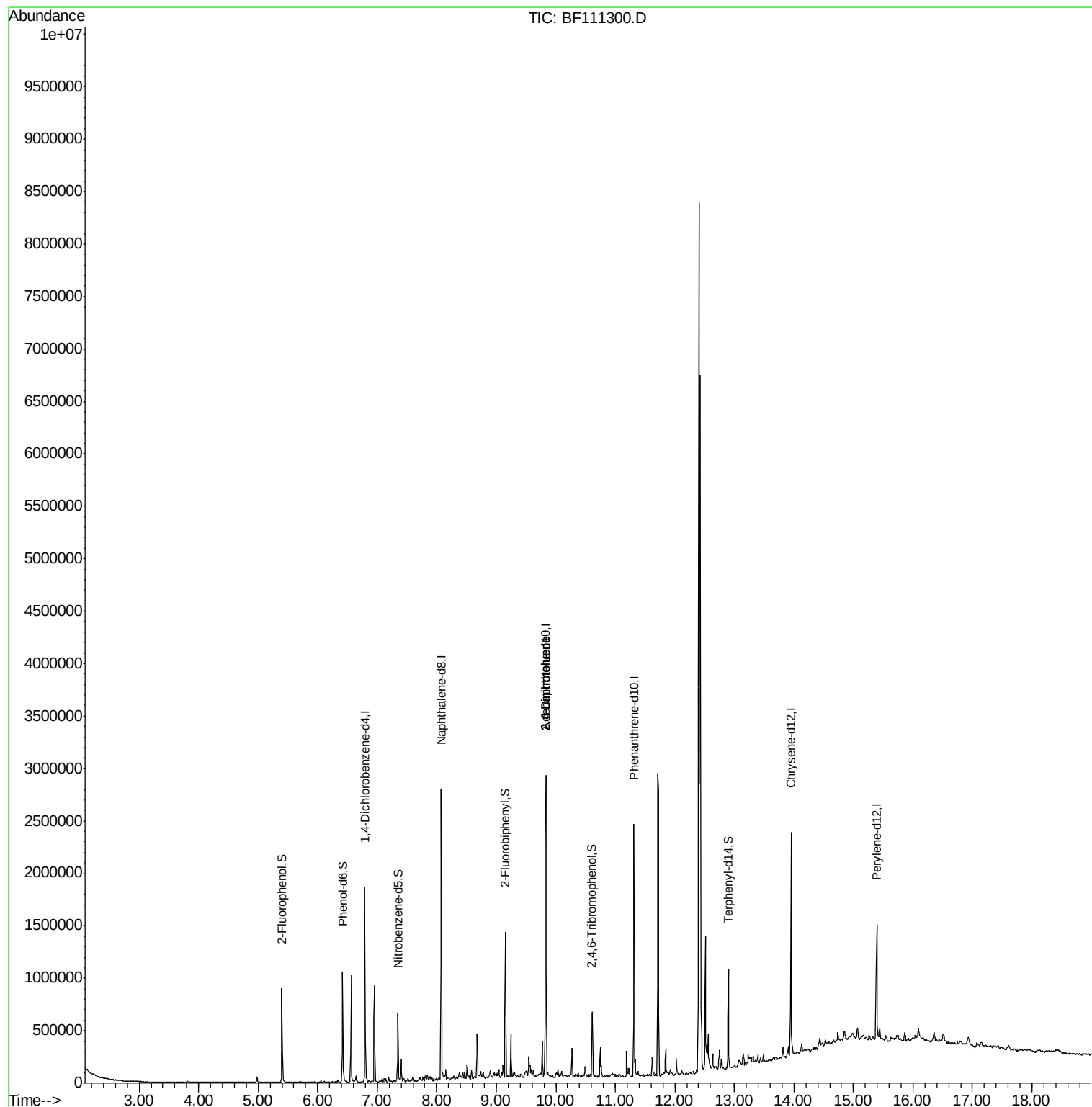
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	267753	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1111251	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	522421	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	815789	20.00	ng	0.00
76) Chrysene-d12	13.95	240	664702	20.00	ng	0.00
87) Perylene-d12	15.39	264	503911	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	269616	15.90	ng	0.00
7) Phenol-d6	6.42	99	345491	16.40	ng	-0.02
23) Nitrobenzene-d5	7.35	82	196142	9.90	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	65057	14.06	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	384692	6.83	ng	-0.01
79) Terphenyl-d14	12.90	244	291027	10.50	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	284	Below Cal	#	1
46) 1,1'-Biphenyl	9.25	154	2881	Below Cal	#	87
51) 2,6-Dinitrotoluene	9.83	165	67140	7.887 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	67140	6.398 ng	#	25

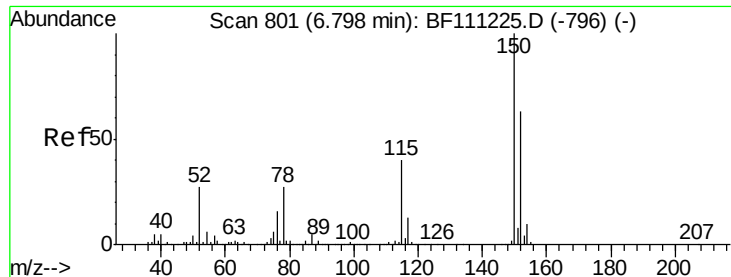
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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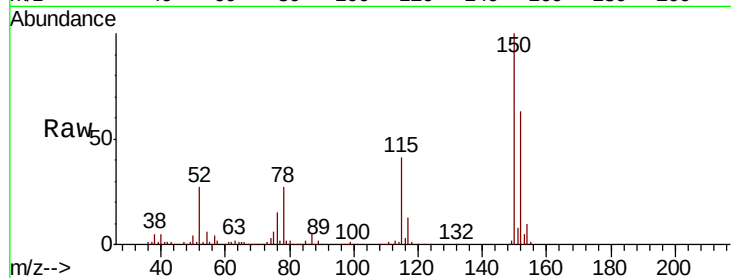


#1

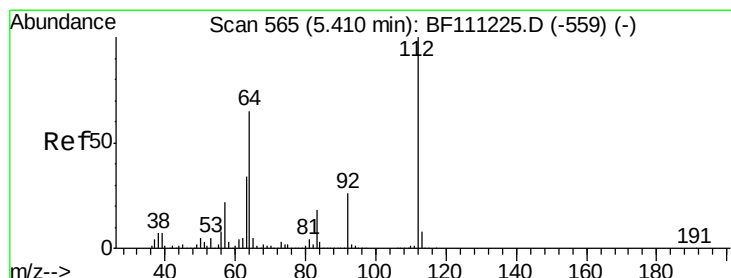
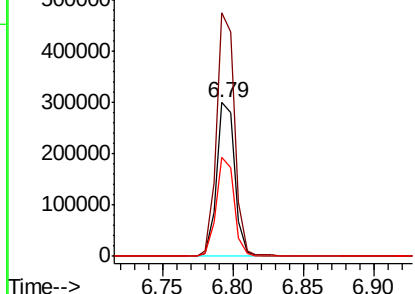
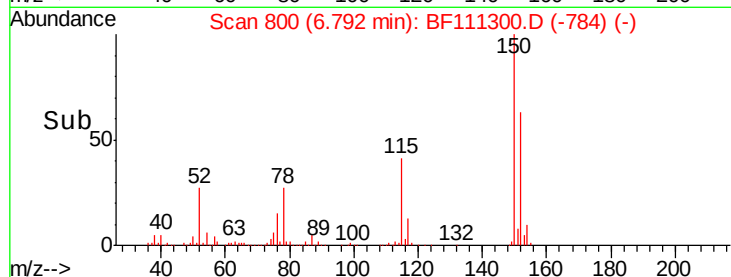
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF111300.D
 Acq: 12 Dec 2018 2:27

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.6	189.8
115	64.6	50.7	76.1



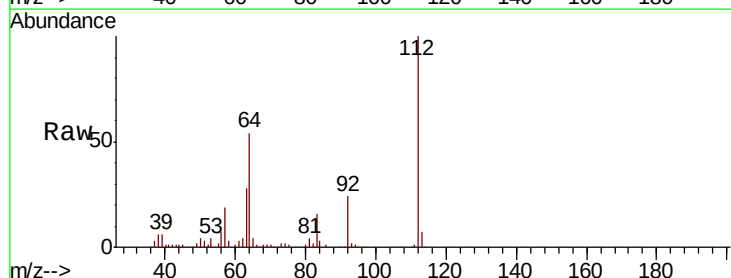
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



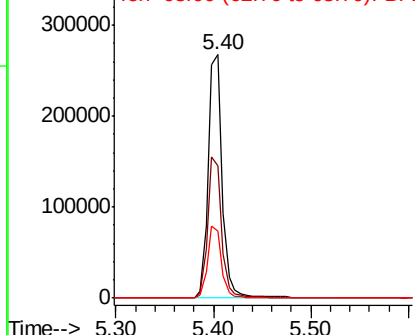
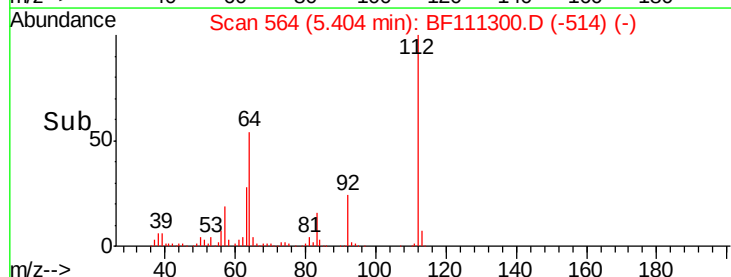
#5

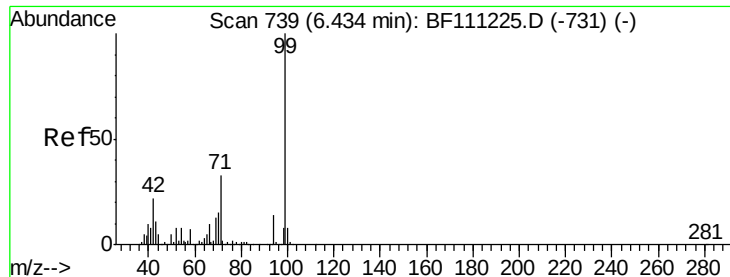
2-Fluorophenol
 Concen: 15.901 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF111300.D
 Acq: 12 Dec 2018 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	51.8	77.6
63	27.6	26.8	40.2



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: 16.395 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF111300.D

Acq: 12 Dec 2018 2:27

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-D

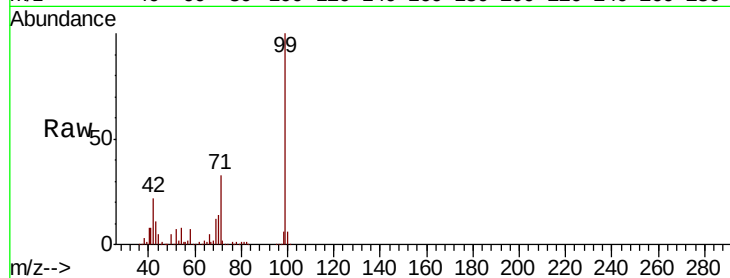
Tgt Ion: 99 Resp: 345491

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

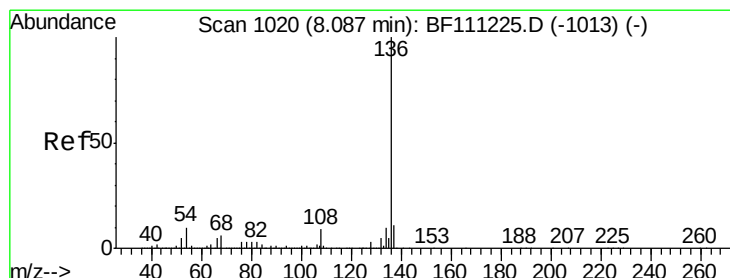
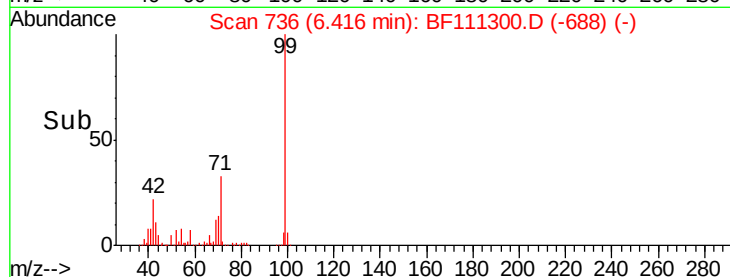
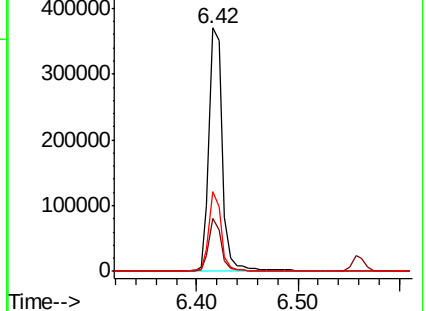
71 33.0 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111300.D

Acq: 12 Dec 2018 2:27

Tgt Ion: 136 Resp: 1111251

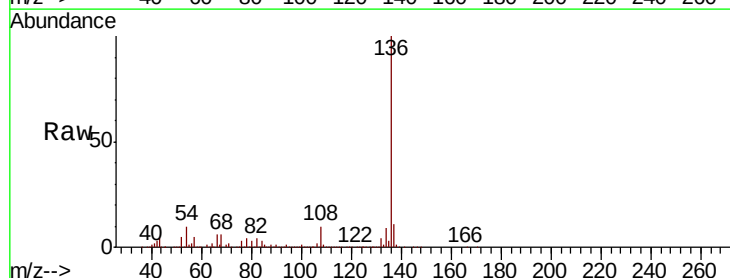
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 10.4 7.7 11.5

68 6.4 4.9 7.3

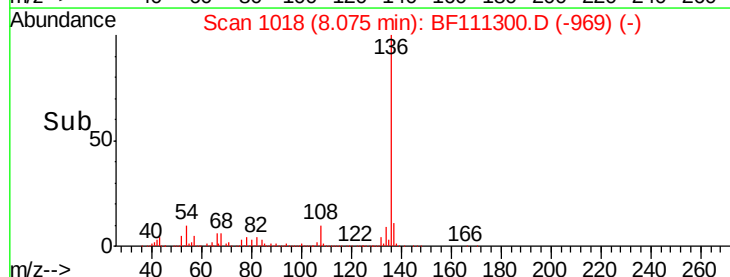
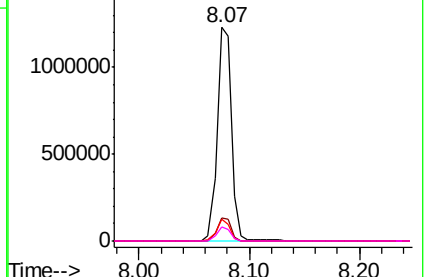


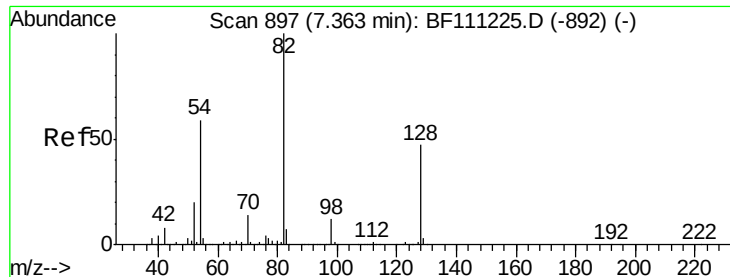
Abundance Ion 136.00 (135.70 to 136.70): E

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

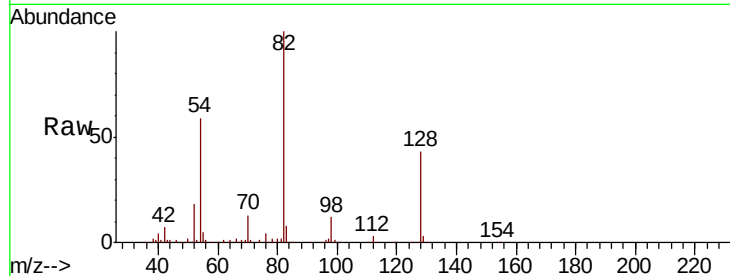




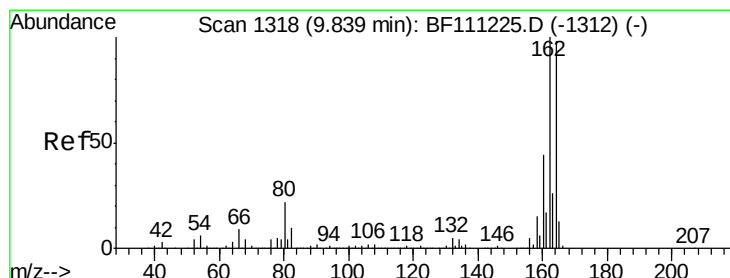
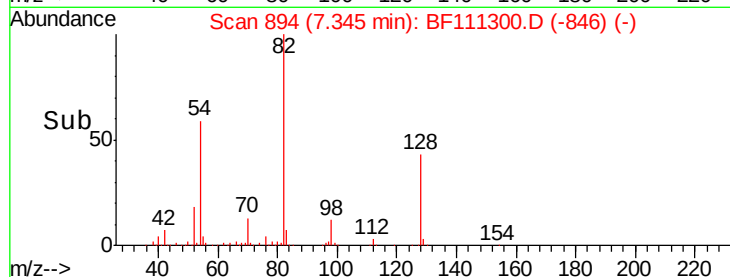
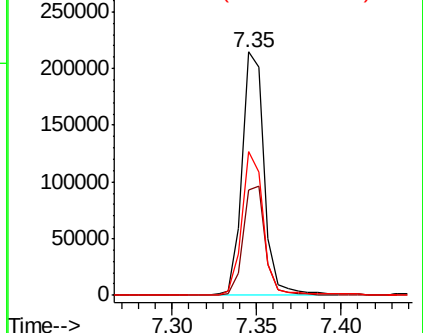
#23
Nitrobenzene-d5
Concen: 9.900 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111300.D
Acq: 12 Dec 2018 2:27

Instrument :
BNA_F
ClientSampleId :
CL-01-121018-D

Tgt Ion: 82 Resp: 196142
Ion Ratio Lower Upper
82 100
128 43.1 37.4 56.2
54 59.1 47.6 71.4

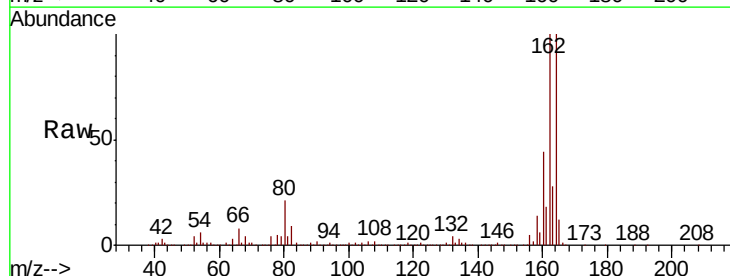


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

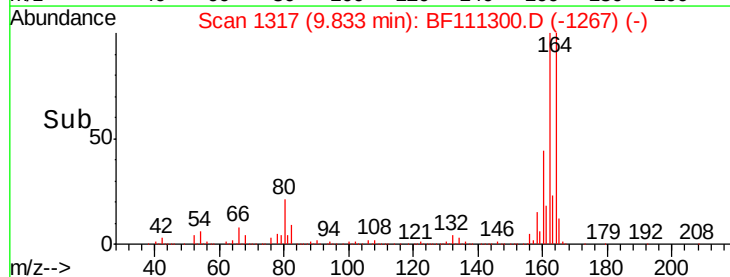
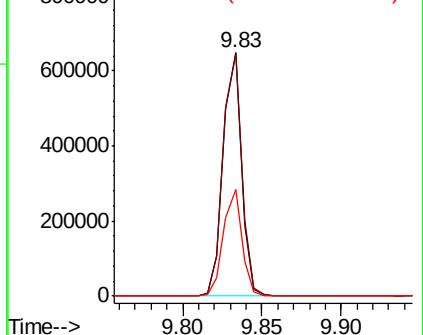


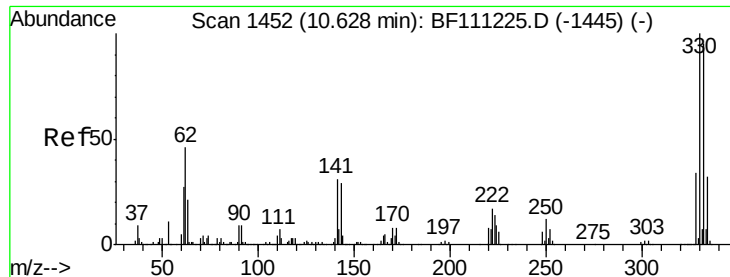
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111300.D
Acq: 12 Dec 2018 2:27

Tgt Ion: 164 Resp: 522421
Ion Ratio Lower Upper
164 100
162 99.7 81.4 122.0
160 43.7 35.7 53.5



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

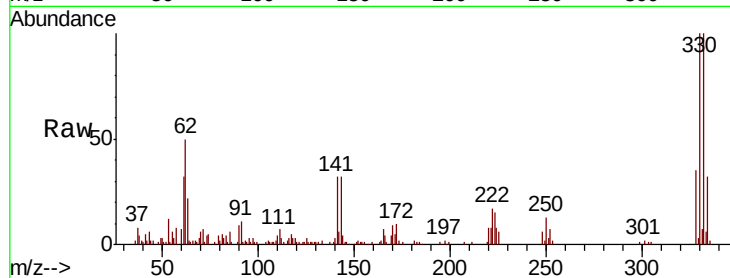




#42
 2,4,6-Tribromophenol
 Concen: 14.058 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111300.D
 Acq: 12 Dec 2018 2:27

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.0	114.0
141	40.0	31.0	46.6

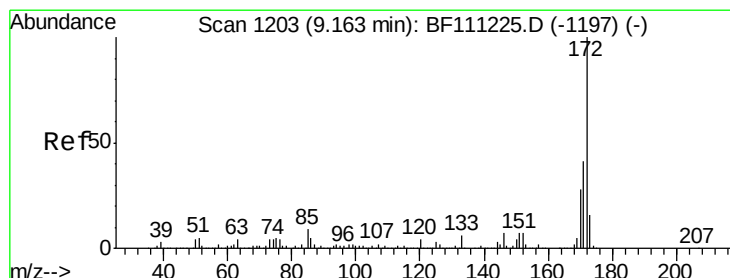
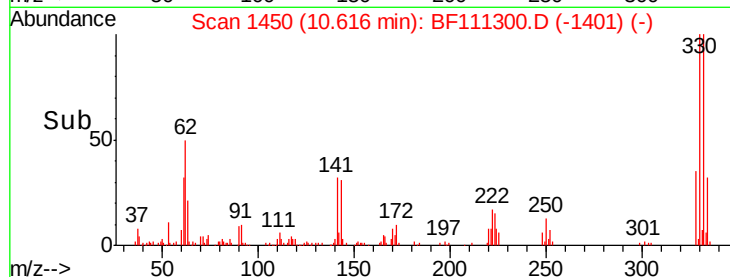
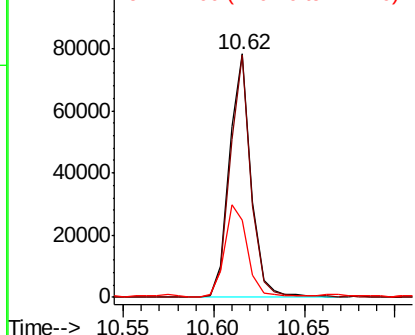


Abundance

Ion 329.80 (329.50 to 330.50): E

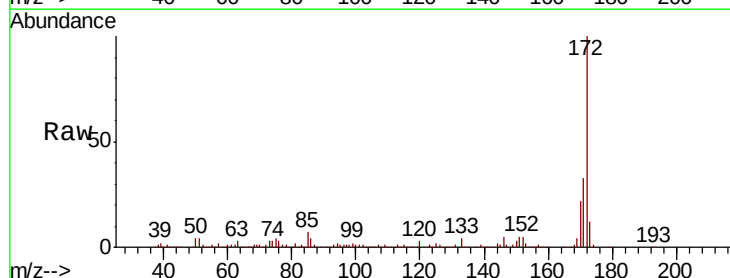
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 6.830 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111300.D
 Acq: 12 Dec 2018 2:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	33.0	49.4
170	22.1	22.3	33.5#

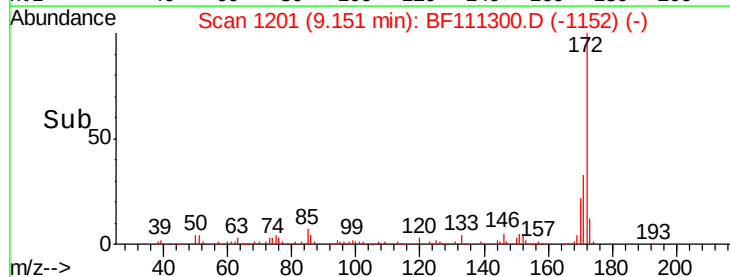
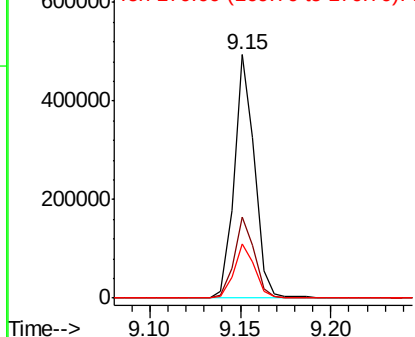


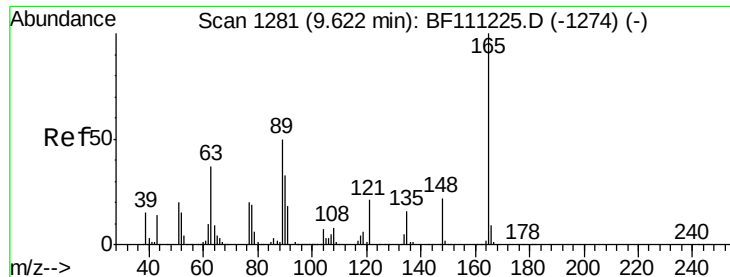
Abundance

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

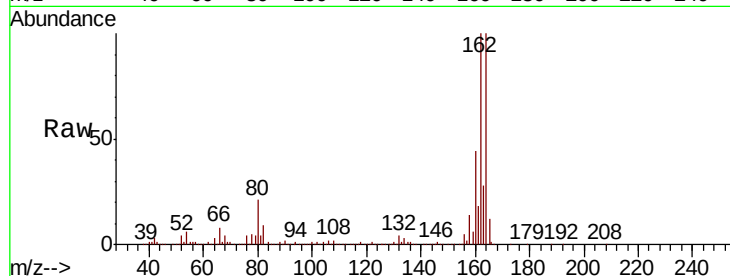




#51
 2,6-Dinitrotoluene
 Concen: 7.887 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF111300.D
 Acq: 12 Dec 2018 2:27

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-D

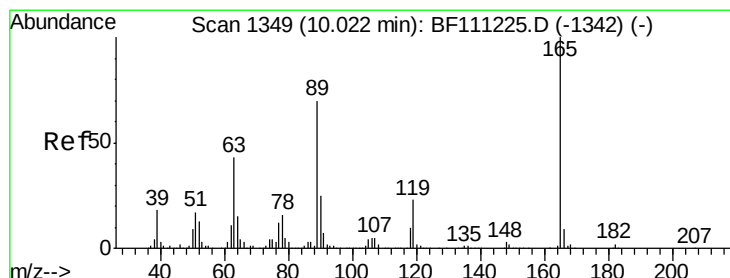
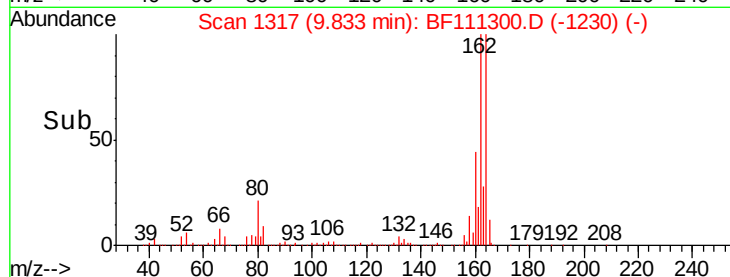
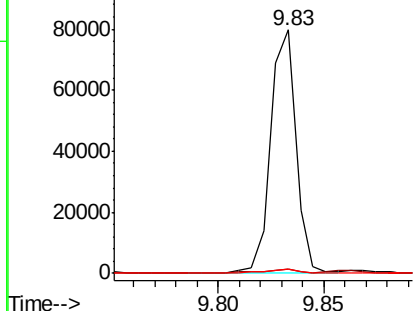
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.6	40.0	60.0#



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



#57
 2,4-Dinitrotoluene
 Concen: 6.398 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF111300.D
 Acq: 12 Dec 2018 2:27

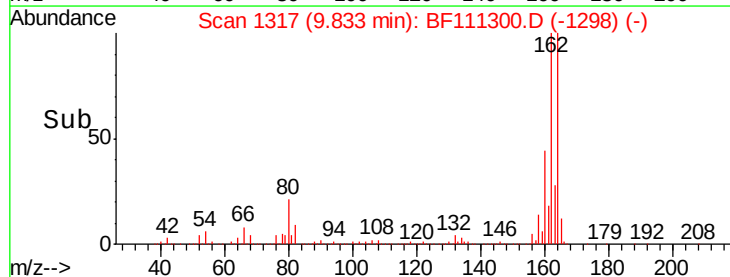
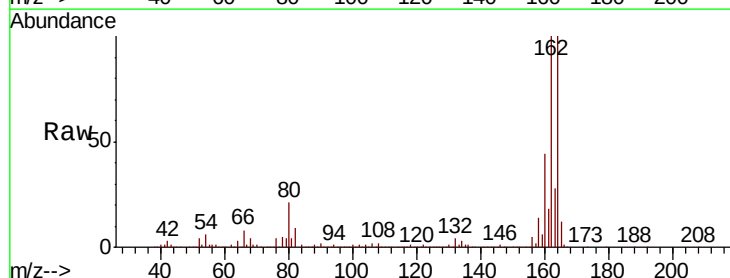
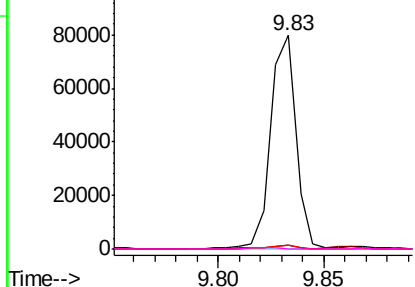
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	1.6	56.2	84.4#
182	0.0	1.8	2.6#

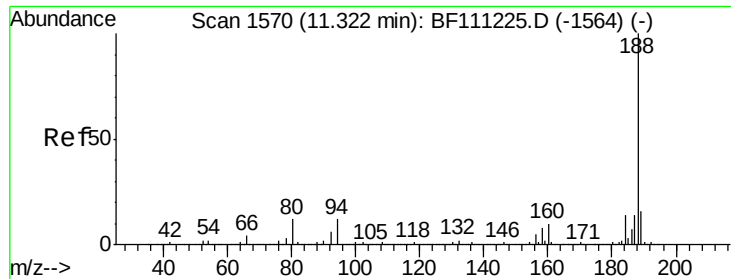
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1569

Delta R.T. -0.01 min

Lab File: BF111300.D

Acq: 12 Dec 2018 2:27

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-D

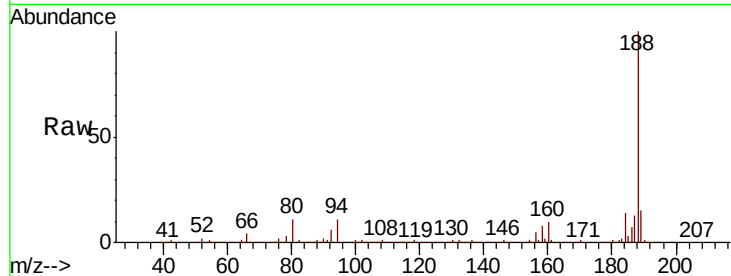
Tgt Ion:188 Resp: 815789

Ion Ratio Lower Upper

188 100

94 10.8 9.6 14.4

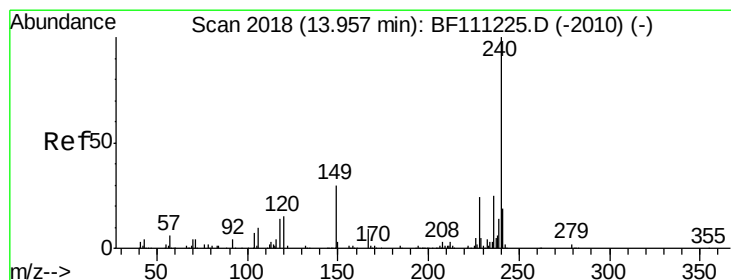
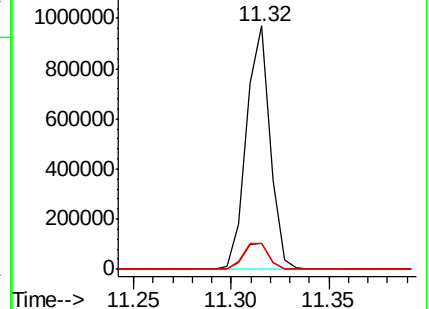
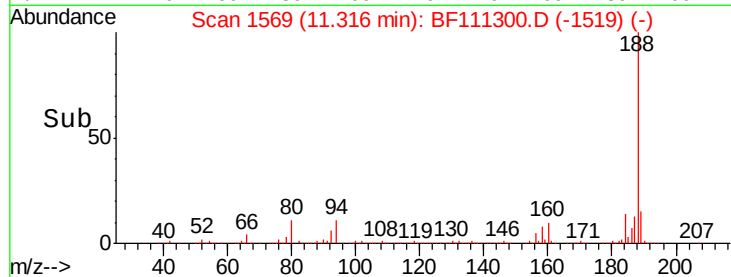
80 10.7 9.8 14.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111300.D

Acq: 12 Dec 2018 2:27

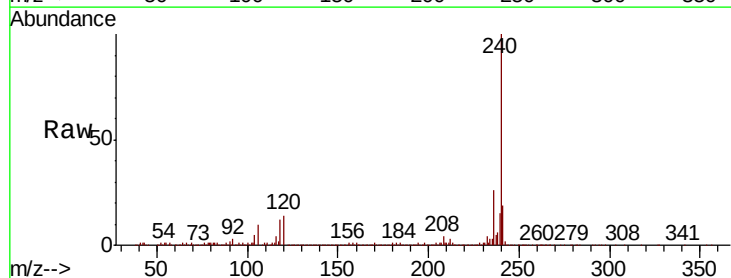
Tgt Ion:240 Resp: 664702

Ion Ratio Lower Upper

240 100

120 13.7 12.2 18.2

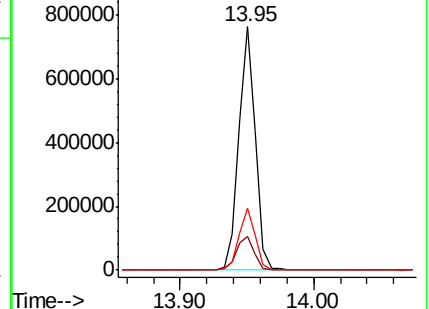
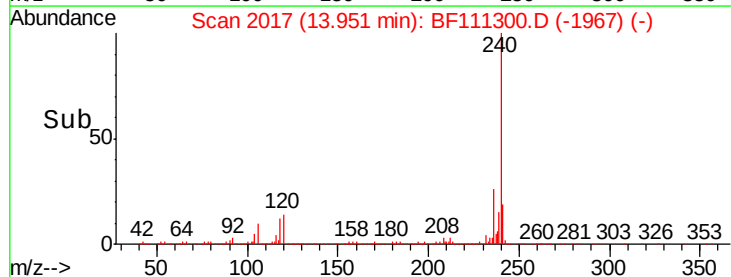
236 25.6 20.2 30.2

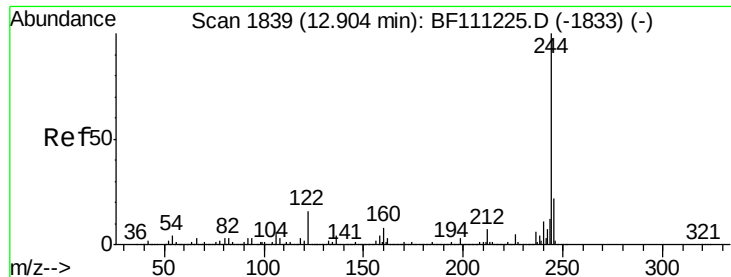


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 10.502 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111300.D

Acq: 12 Dec 2018 2:27

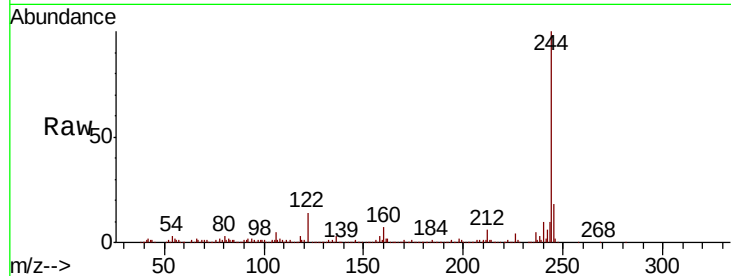
Instrument :

BNA_F

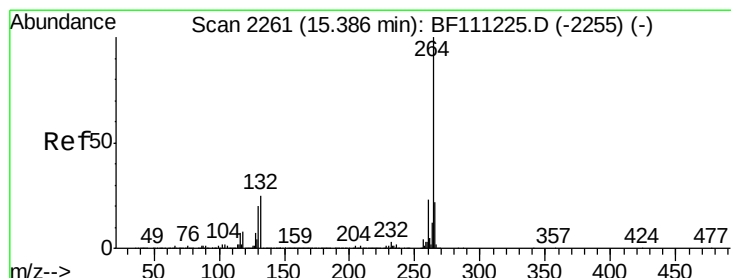
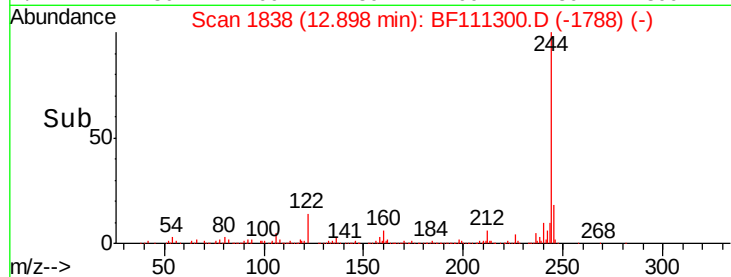
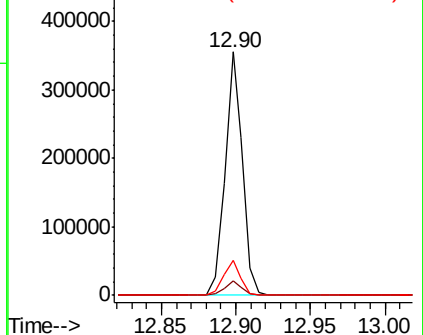
ClientSampleId :

CL-01-121018-D

Tgt Ion:	244	Resp:	291027
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.7	8.5
122	14.4	13.1	19.7



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

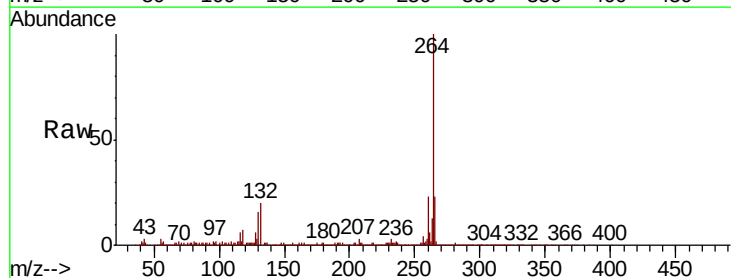
RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111300.D

Acq: 12 Dec 2018 2:27

Tgt Ion:	264	Resp:	503911
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.3	27.5
265	22.6	17.7	26.5



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

