

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111368.D
 Acq On : 13 Dec 2018 14:01
 Operator : JU/SJ
 Sample : J6334-04DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 14:52:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

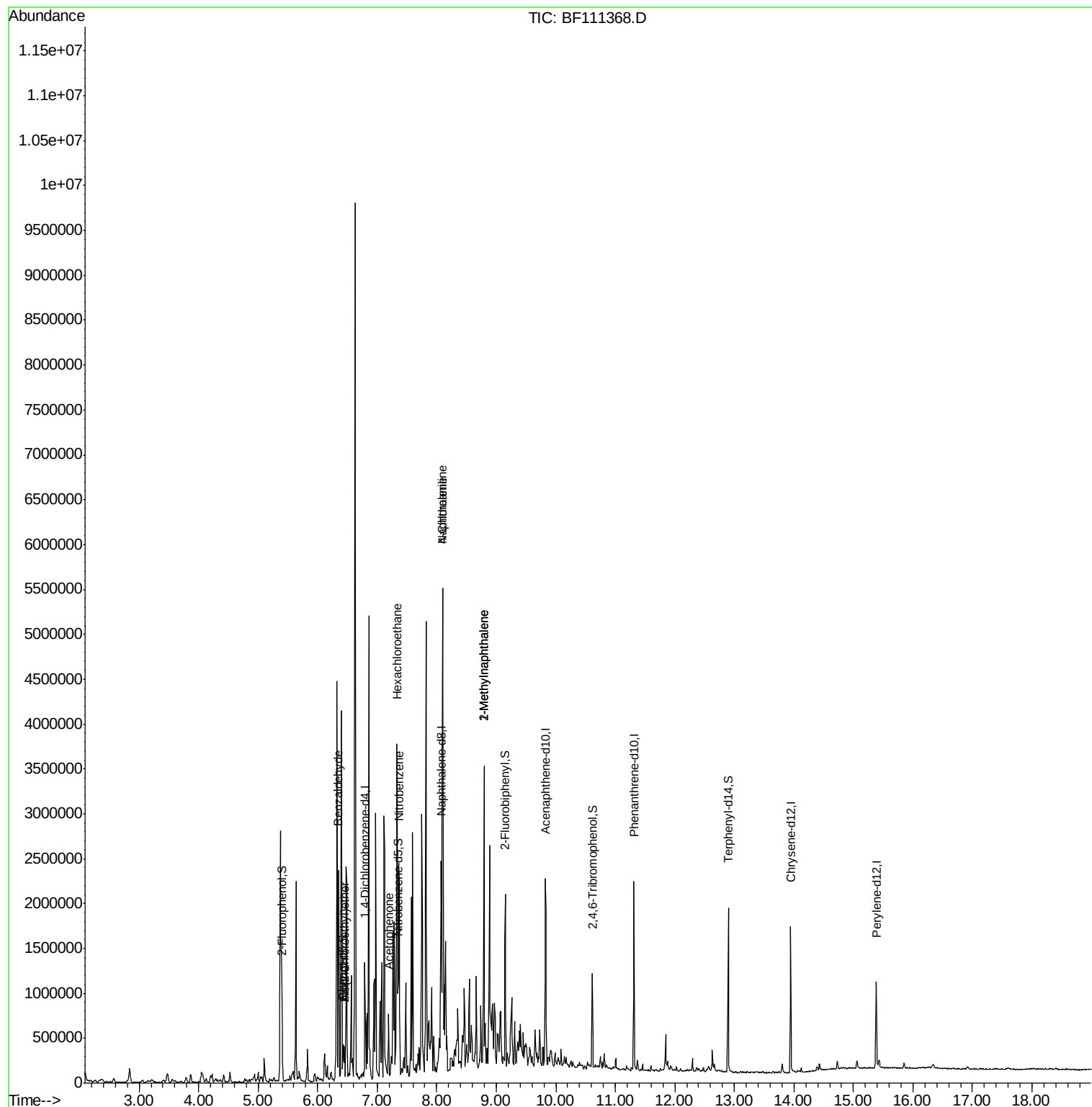
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	170839	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	711354	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	380789	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	732689	20.00	ng	0.00
76) Chrysene-d12	13.94	240	553302	20.00	ng	-0.01
87) Perylene-d12	15.39	264	431284	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	146959	14.55	ng	0.00
7) Phenol-d6	6.43	99	123649	9.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	268653	21.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	118212	35.22	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	548774	23.14	ng	0.00
79) Terphenyl-d14	12.90	244	661099	26.30	ng	0.00
Target Compounds						
6) Aniline	6.45	93	119668	7.262	ng	95
9) Benzaldehyde	6.35	77	91695	9.266	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	119668	9.858	ng	# 24
18) Hexachloroethane	7.33	117	244858	48.467	ng	# 1
22) Acetophenone	7.19	105	216200	13.084	ng	# 47
24) Nitrobenzene	7.36	77	38118	2.932	ng	# 1
31) Naphthalene	8.10	128	2086447	62.954	ng	98
33) 4-Chloroaniline	8.10	127	298667	21.101	ng	# 30
37) 2-Methylnaphthalene	8.79	142	853386	39.832	ng	99
38) 1-Methylnaphthalene	8.79	142	853386	41.271	ng	94

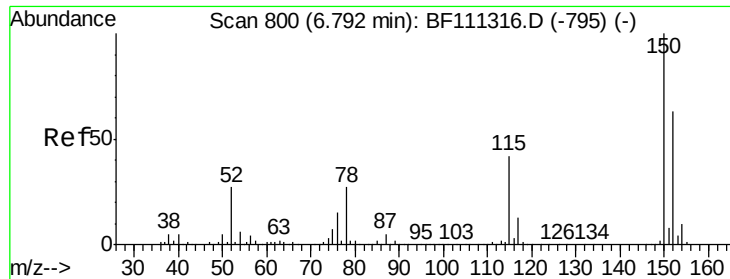
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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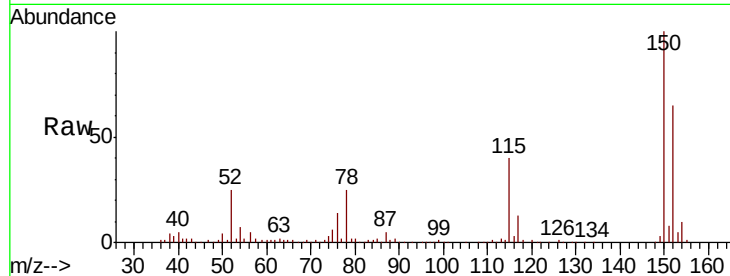


#1

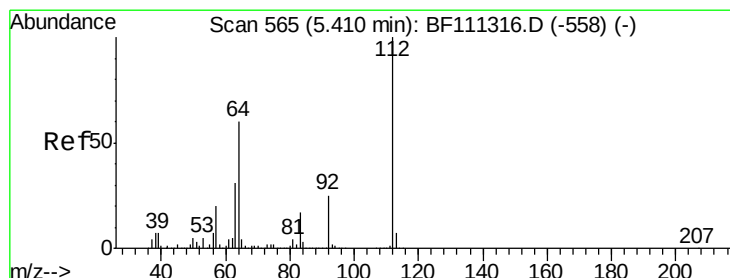
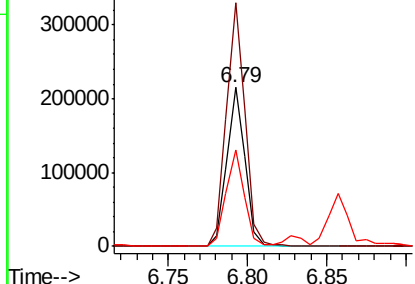
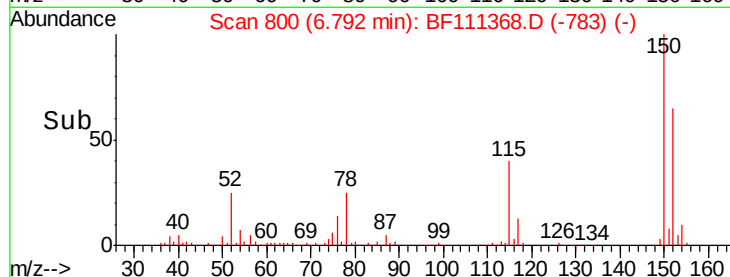
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170839
Ion Ratio Lower Upper
152 100
150 153.4 126.6 189.8
115 60.7 50.7 76.1



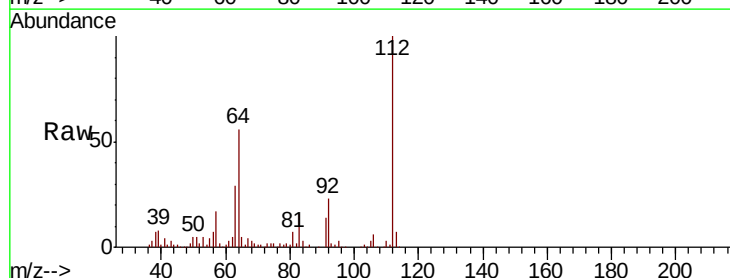
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



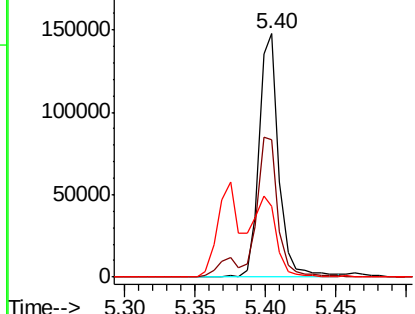
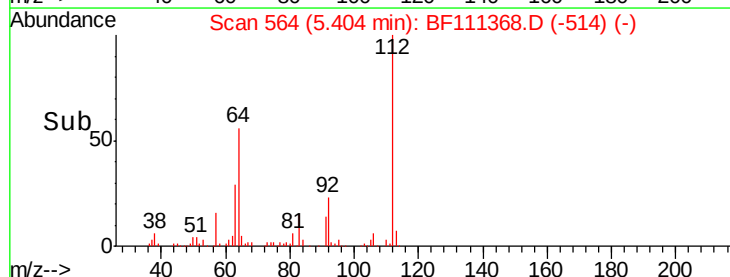
#5

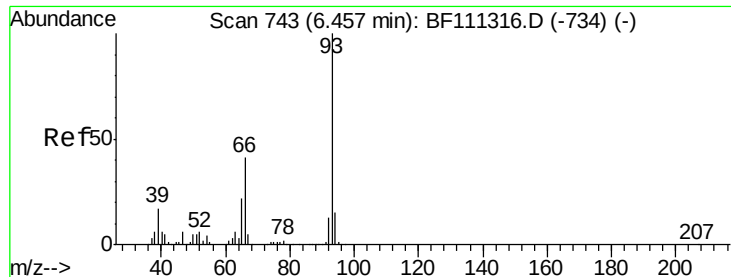
2-Fluorophenol
Concen: 14.547 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:112 Resp: 146959
Ion Ratio Lower Upper
112 100
64 56.3 51.8 77.6
63 29.0 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





#6

Aniline

Concen: 7.262 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF111368.D

Acq: 13 Dec 2018 14:01

Instrument :

BNA_F

ClientSampleId :

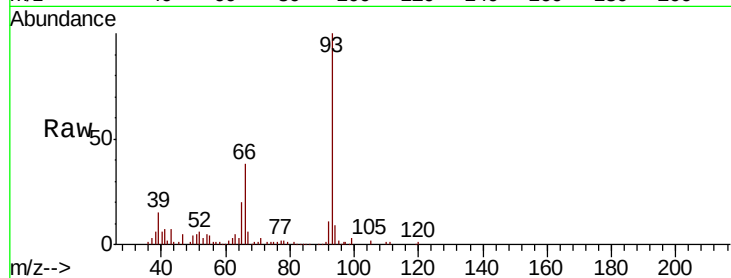
Tot Ion: 93 Resp: 119668

Ion Ratio Lower Upper

93 100

66 37.7 33.2 49.8

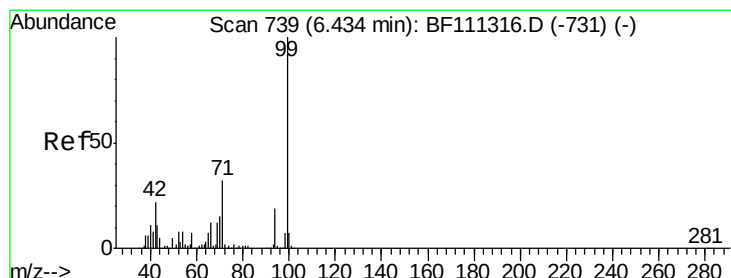
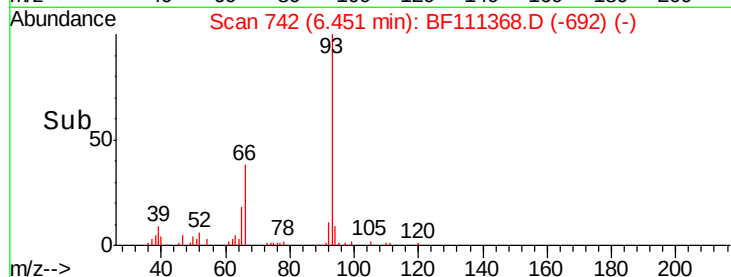
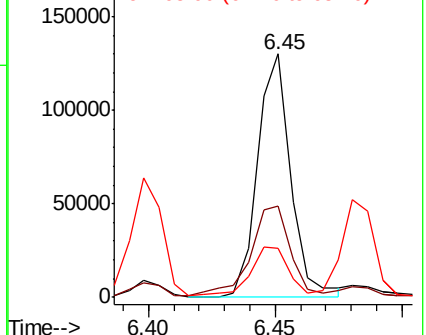
65 20.0 17.0 25.4



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 9.078 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111368.D

Acq: 13 Dec 2018 14:01

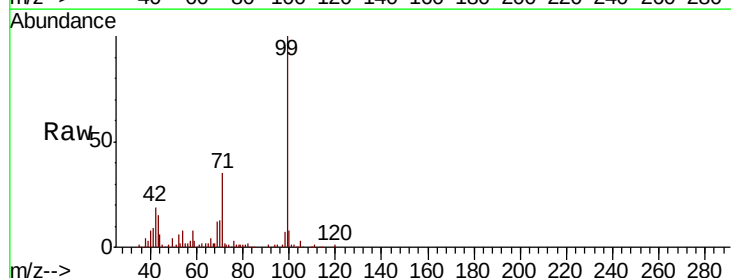
Tgt Ion: 99 Resp: 123649

Ion Ratio Lower Upper

99 100

42 19.2 17.4 26.0

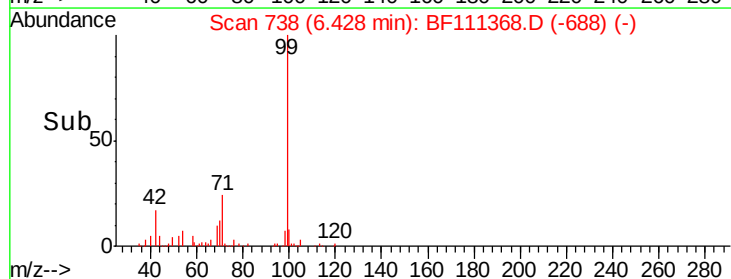
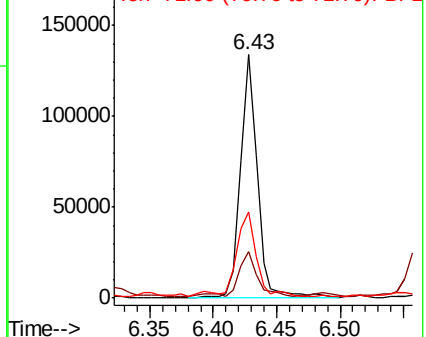
71 35.4 26.1 39.1

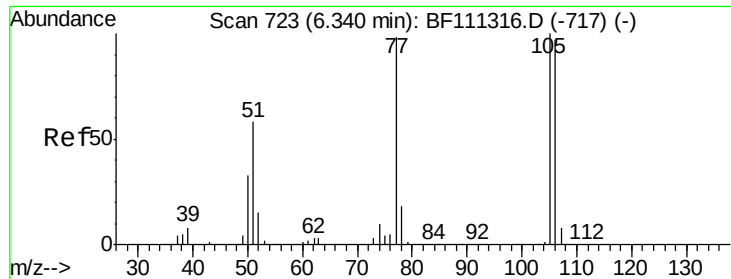


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 9.266 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF111368.D

Acq: 13 Dec 2018 14:01

Instrument :

BNA_F

ClientSampled :

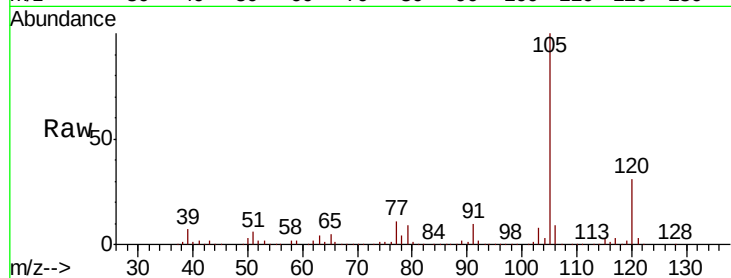
Tot Ion: 77 Resp: 91695

Ion Ratio Lower Upper

77 100

105 877.1 81.4 121.4#

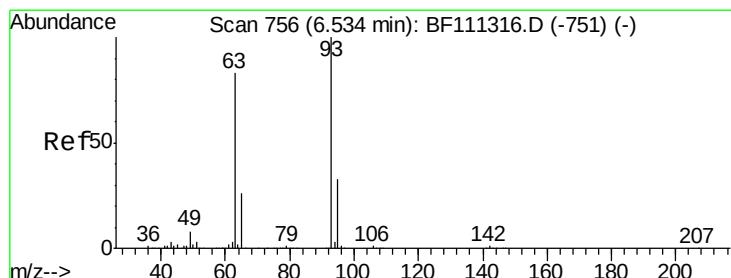
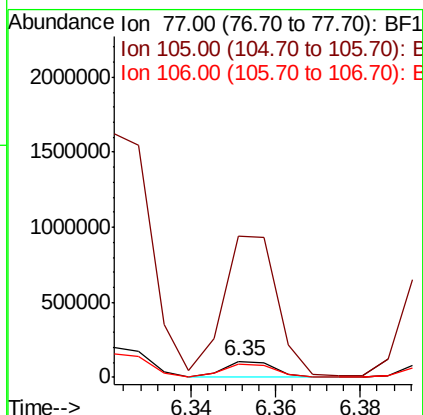
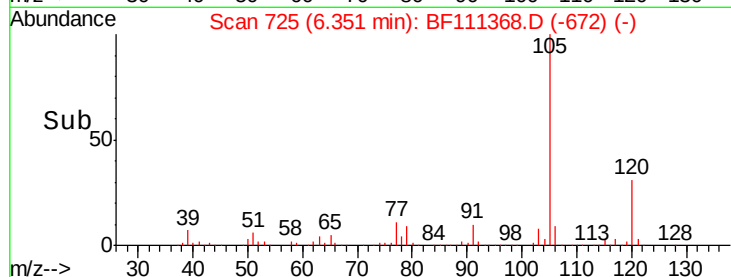
106 80.1 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 9.858 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.08 min

Lab File: BF111368.D

Acq: 13 Dec 2018 14:01

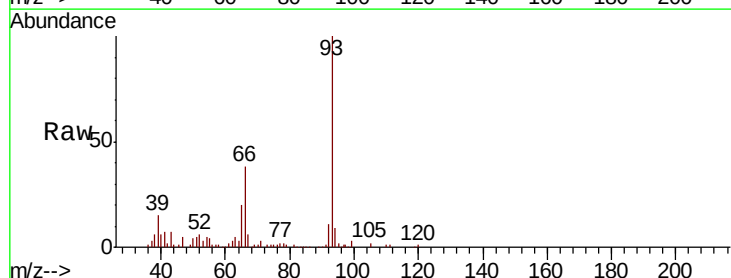
Tgt Ion: 93 Resp: 119668

Ion Ratio Lower Upper

93 100

63 5.2 60.0 100.0#

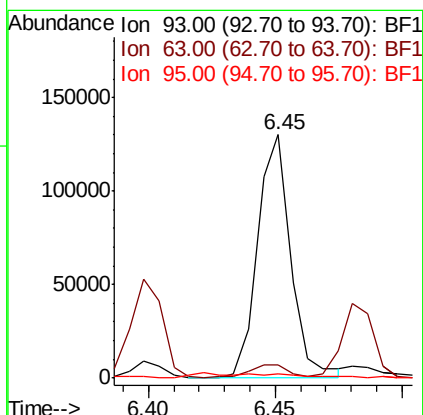
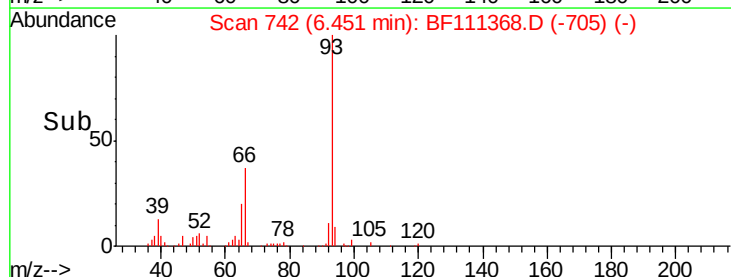
95 1.7 13.4 53.4#

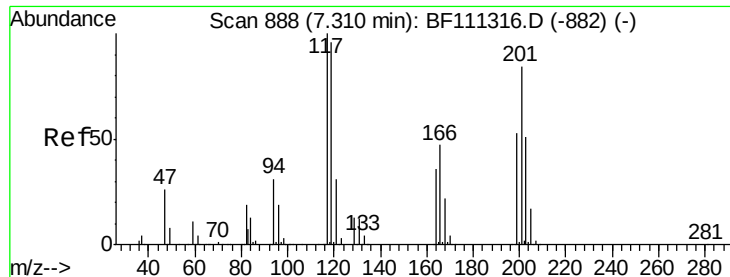


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

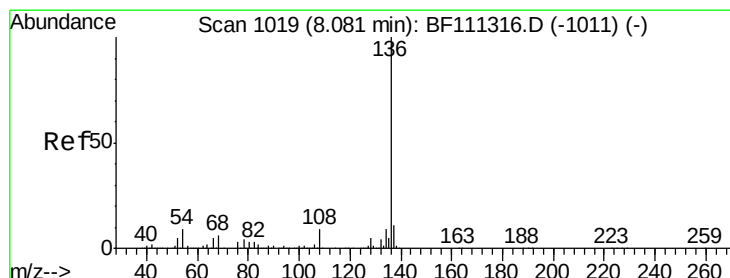
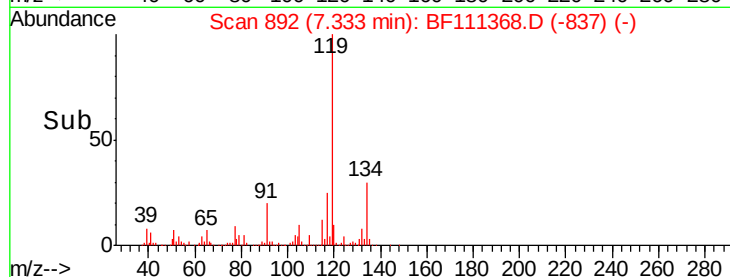
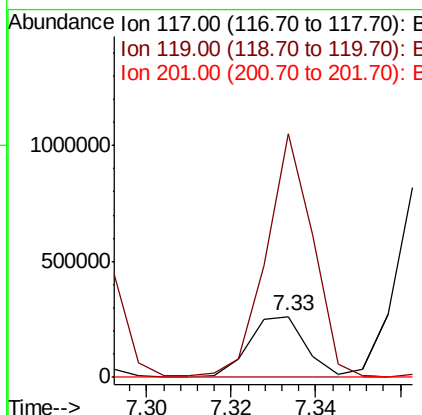
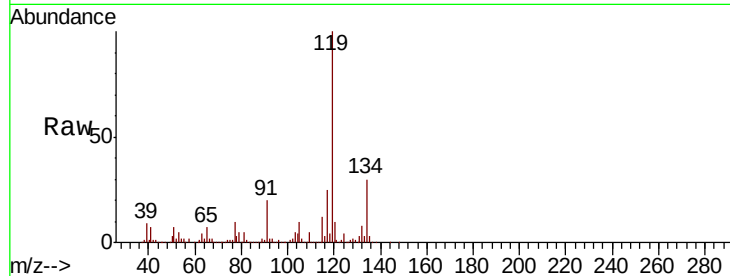




#18
Hexachloroethane
Concen: 48.467 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

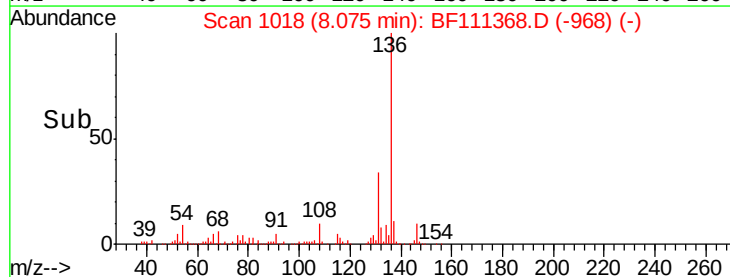
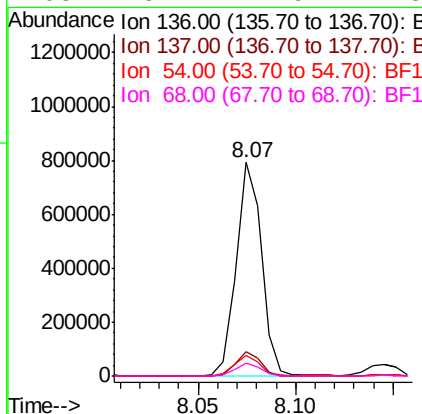
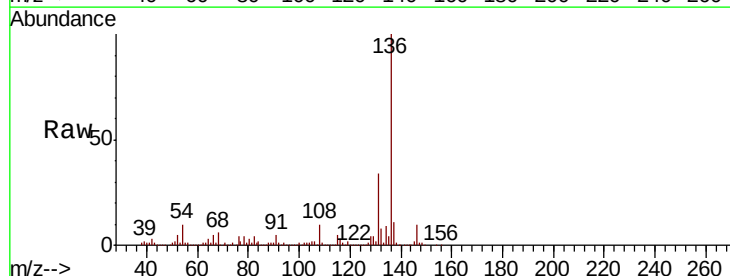
Instrument :
BNA_F
ClientSampled :

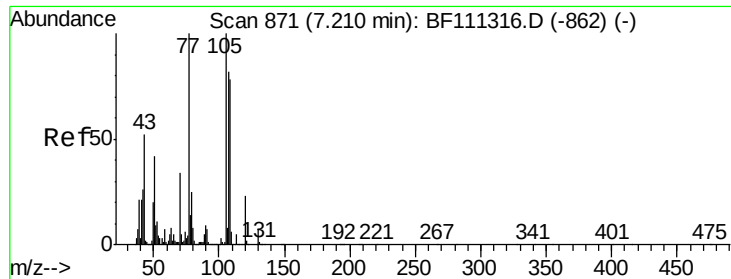
Tot Ion:117 Resp: 244858
Ion Ratio Lower Upper
117 100
119 401.8 75.4 113.0#
201 0.0 62.4 93.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:136 Resp: 711354
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.6 7.7 11.5
68 5.7 4.9 7.3

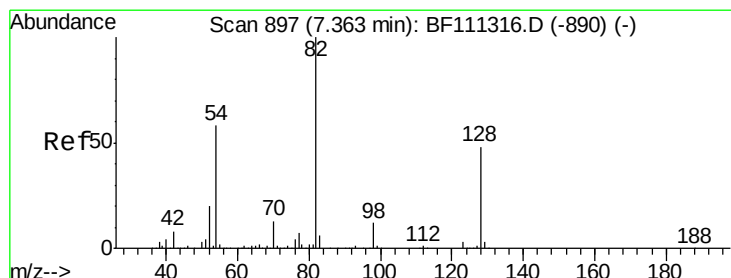
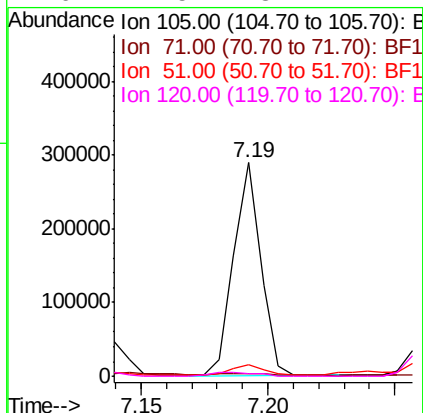
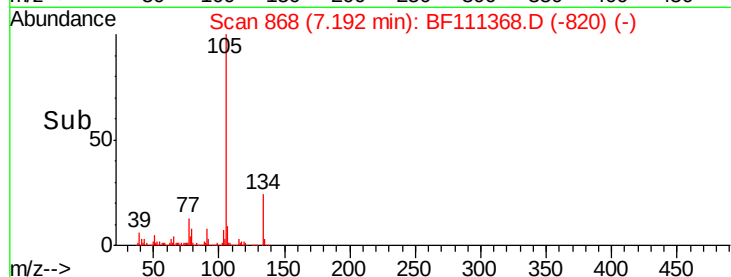
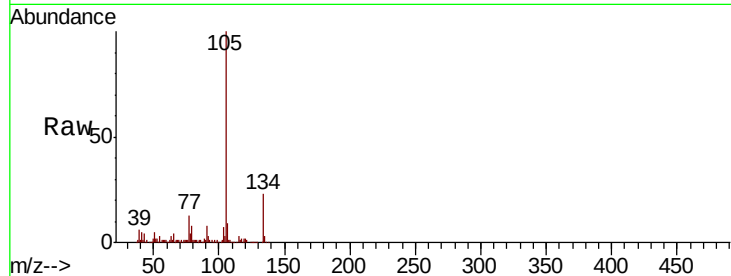




#22
Acetophenone
Concen: 13.084 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

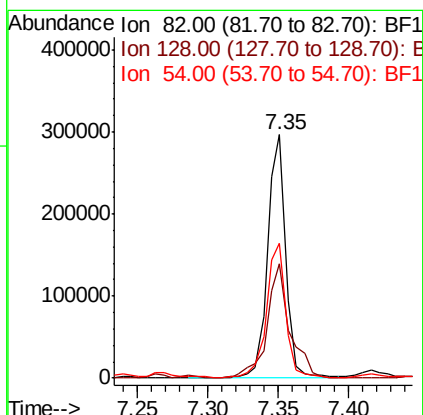
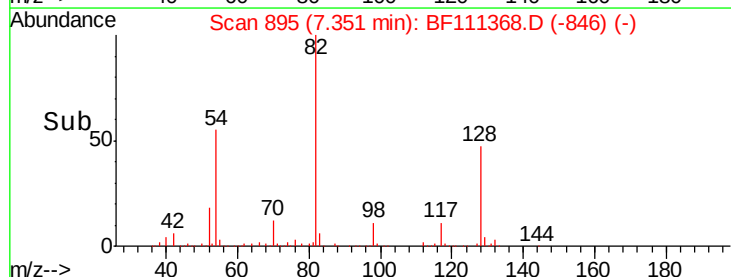
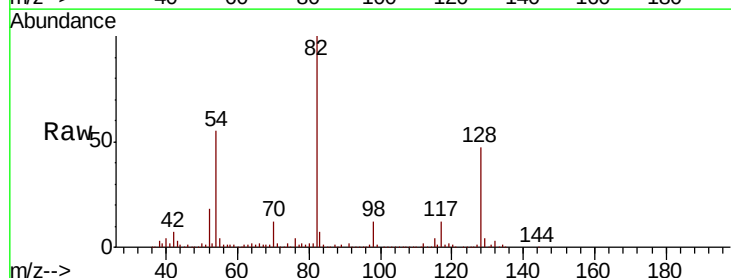
Instrument :
BNA_F
ClientSampleId :

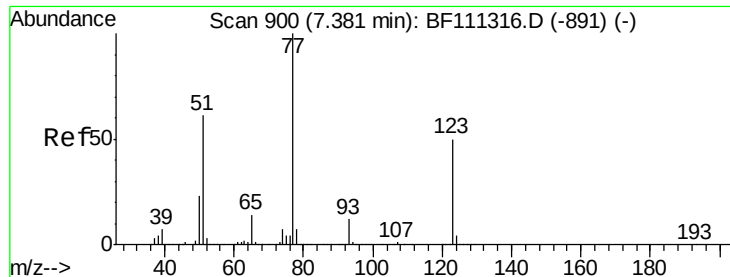
Tot Ion:	105	Resp:	216200
Ion	Ratio	Lower	Upper
105	100		
71	1.5	3.1	4.7#
51	5.5	36.6	54.8#
120	1.5	18.2	27.4#



#23
Nitrobenzene-d5
Concen: 21.286 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:	82	Resp:	268653
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.4	56.2
54	55.4	47.6	71.4





#24

Nitrobenzene

Concen: 2.932 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF111368.D

Acq: 13 Dec 2018 14:01

Instrument :

BNA_F

ClientSampled :

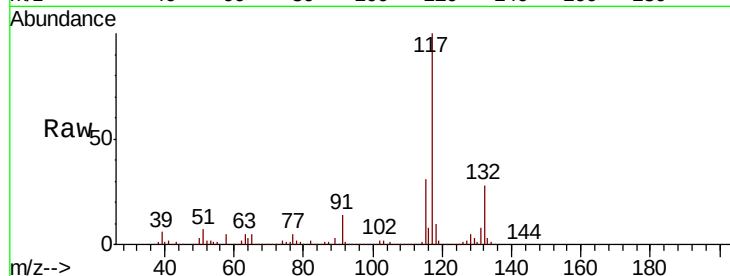
Tot Ion: 77 Resp: 38118

Ion Ratio Lower Upper

77 100

123 1.6 37.2 55.8#

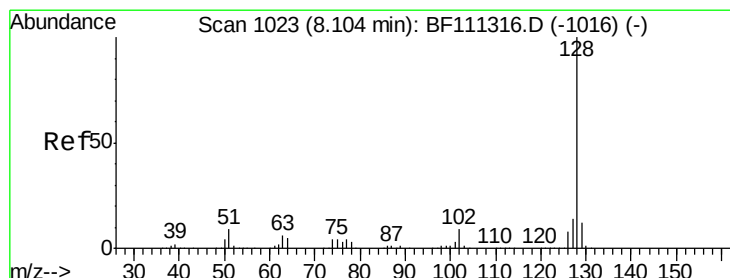
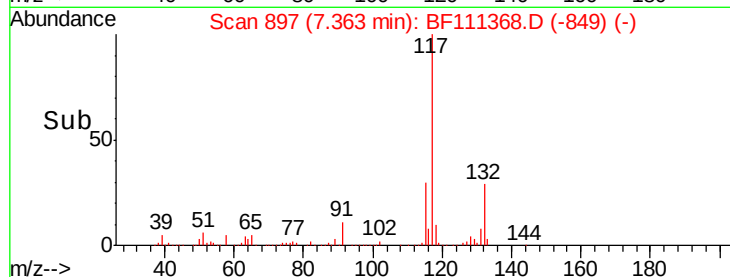
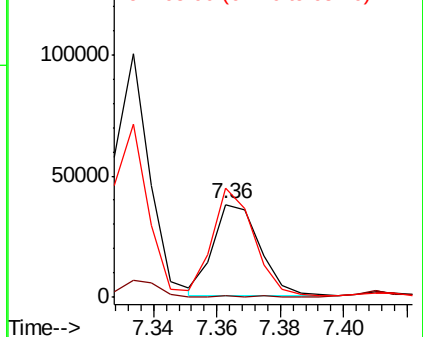
65 116.9 11.5 17.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#31

Naphthalene

Concen: 62.954 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF111368.D

Acq: 13 Dec 2018 14:01

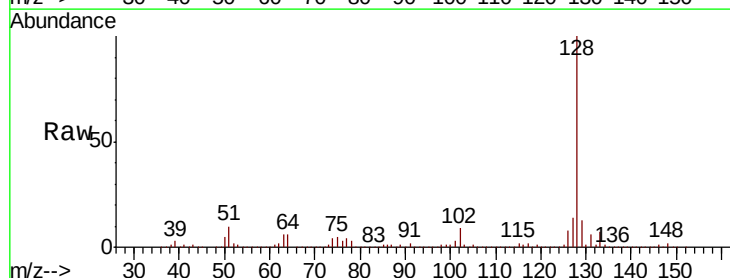
Tgt Ion: 128 Resp: 2086447

Ion Ratio Lower Upper

128 100

129 12.6 9.8 14.8

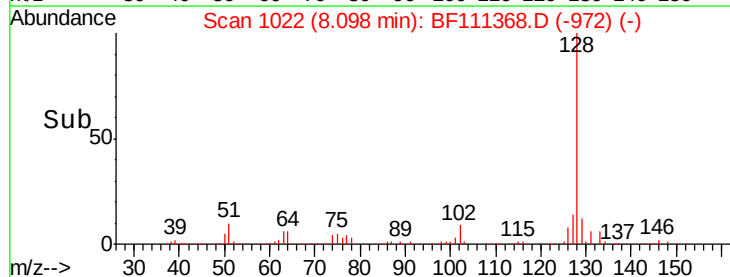
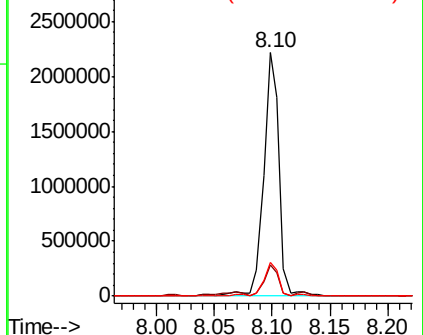
127 14.0 12.0 18.0

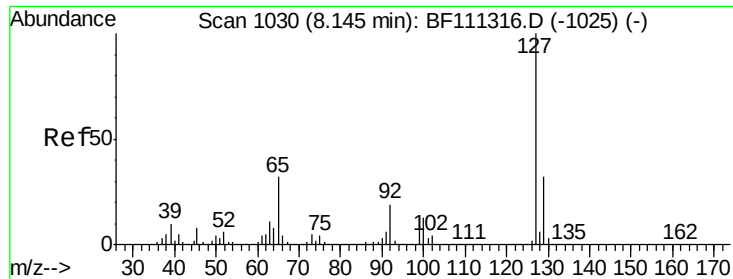


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

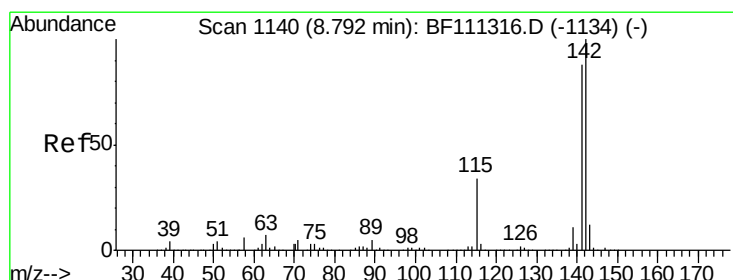
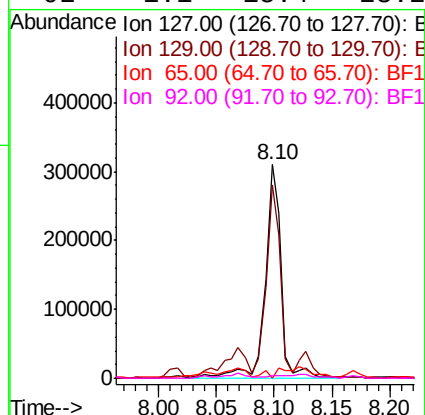
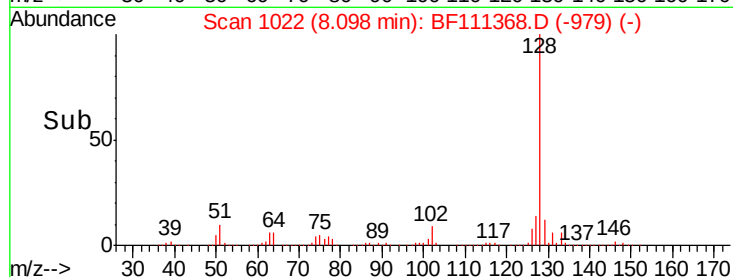
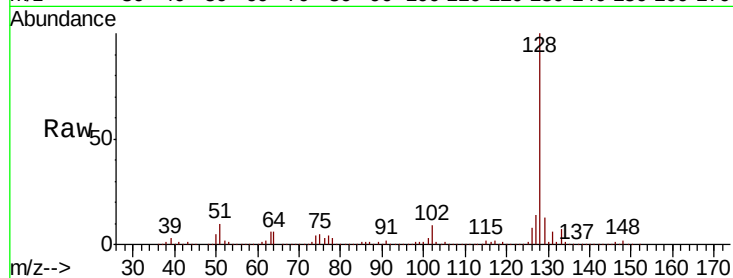




#33
4-Chloroaniline
Concen: 21.101 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.05 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

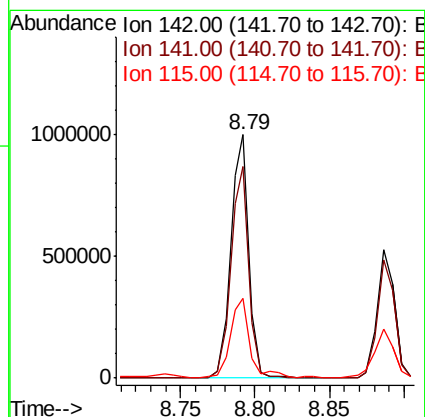
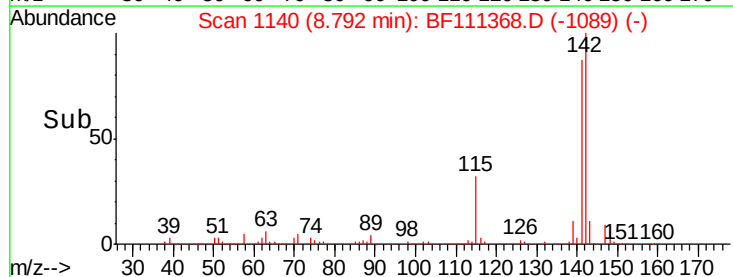
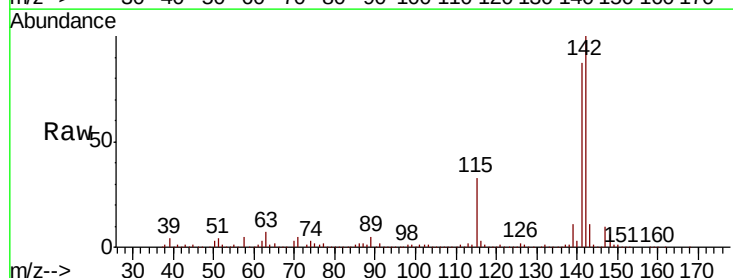
Instrument :
BNA_F
ClientSampleId :

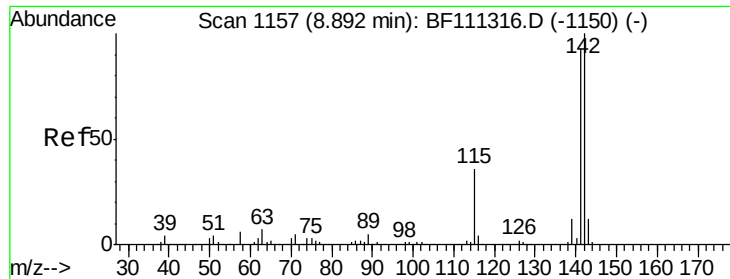
Tot Ion:	127	Resp:	298667
Ion Ratio	Lower	Upper	
127	100		
129	90.2	26.6	39.8#
65	0.0	25.7	38.5#
92	1.1	15.4	23.2#



#37
2-Methylnaphthalene
Concen: 39.832 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:	142	Resp:	853386
Ion Ratio	Lower	Upper	
142	100		
141	87.2	70.6	105.8
115	32.7	27.0	40.6

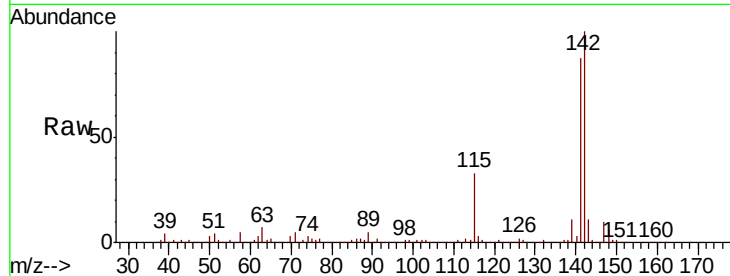




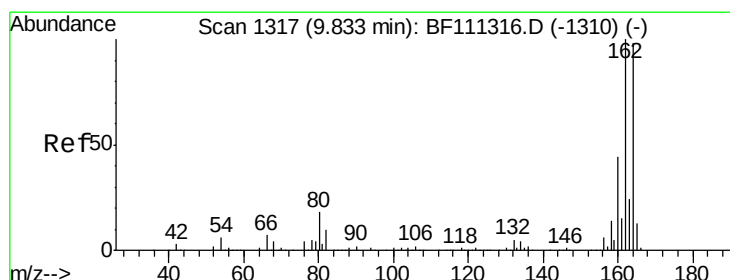
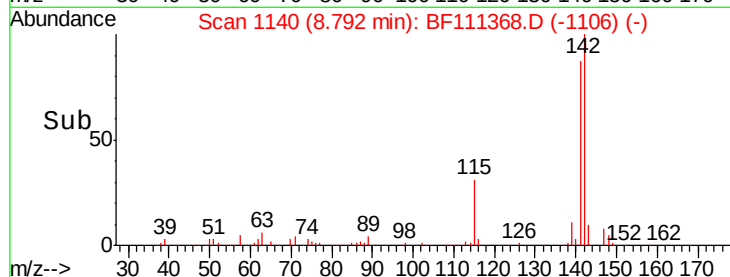
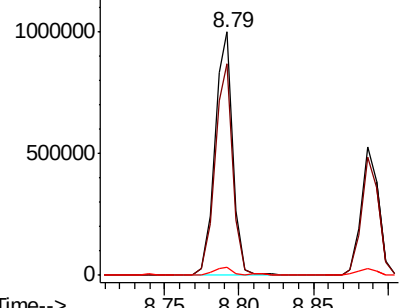
#38
1-Methylnaphthalene
Concen: 41.271 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.10 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	74.2	111.4
116	3.3	2.9	4.3

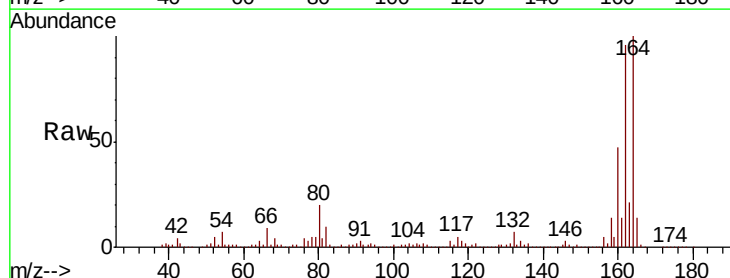


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

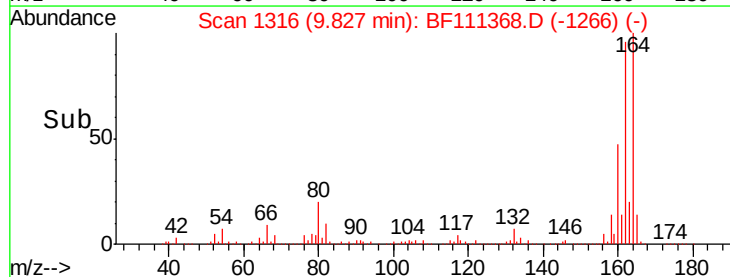
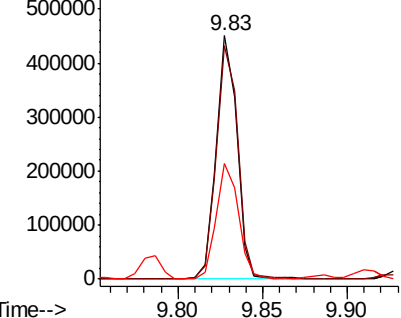


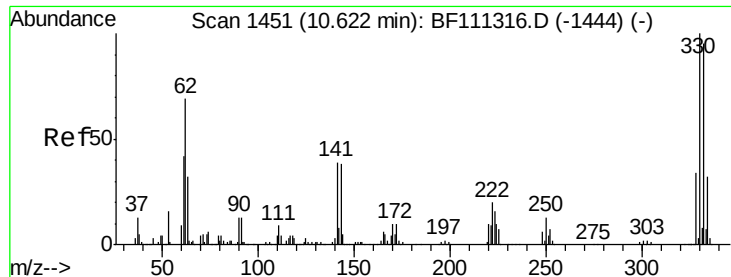
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.7	81.4	122.0
160	47.3	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

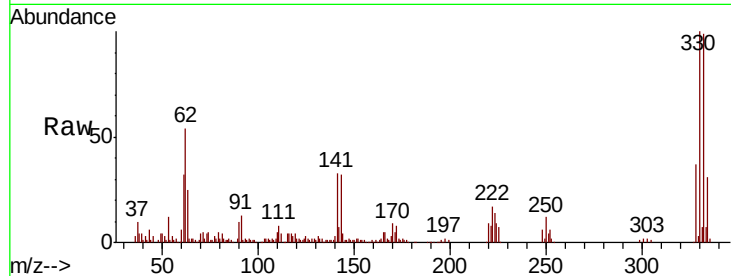




#42
 2,4,6-Tribromophenol
 Concen: 35.217 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111368.D
 Acq: 13 Dec 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.0	114.0
141	39.9	31.0	46.6

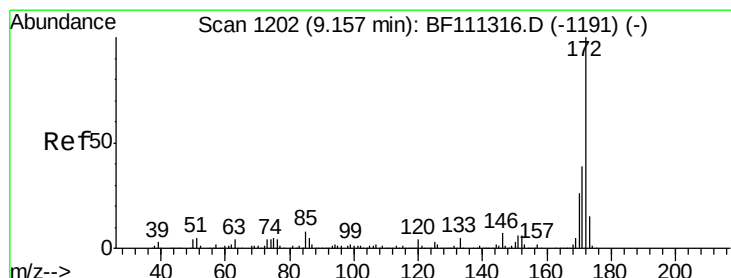
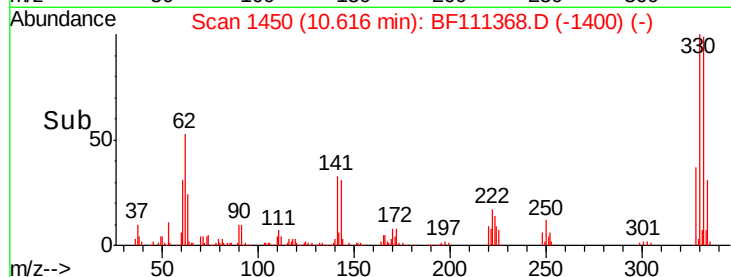
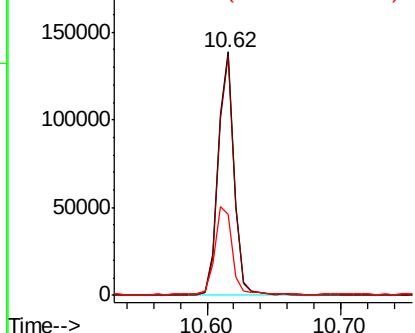


Abundance

Ion 329.80 (329.50 to 330.50): E

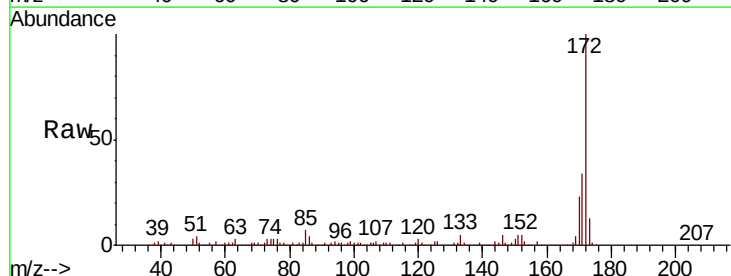
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 23.137 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111368.D
 Acq: 13 Dec 2018 14:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	33.0	49.4
170	22.8	22.3	33.5

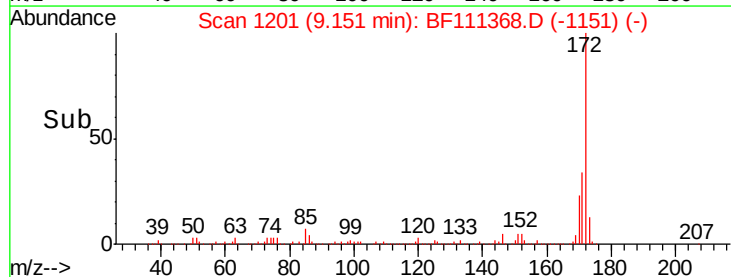
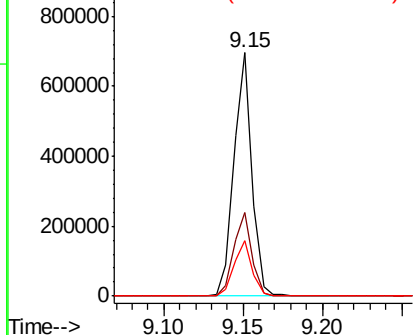


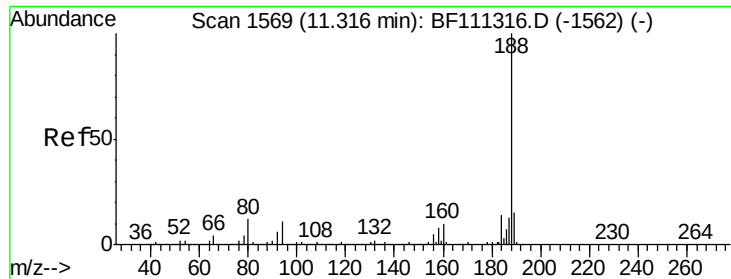
Abundance

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

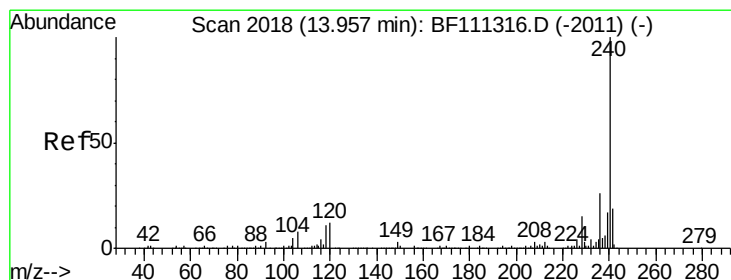
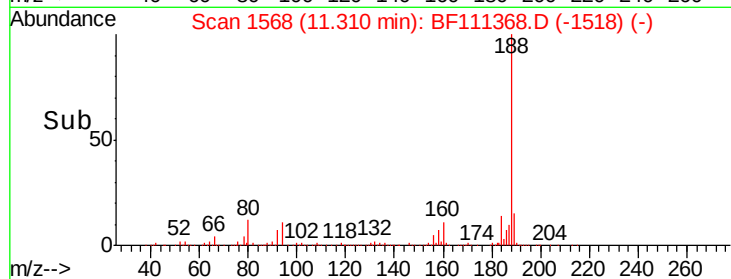
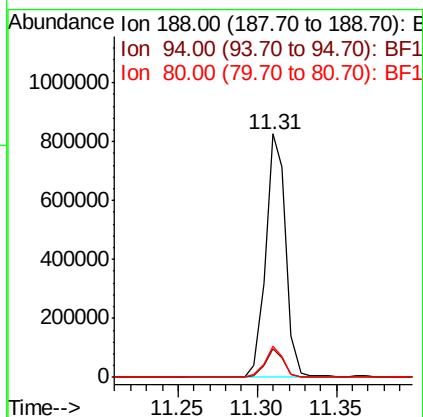
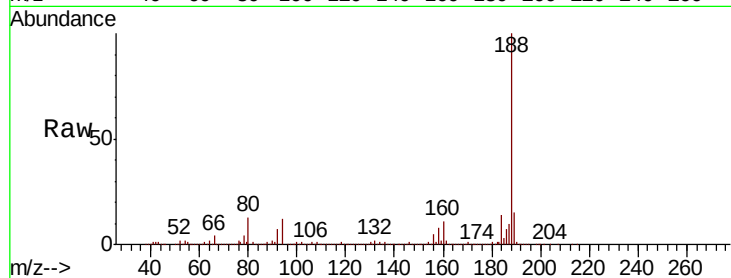




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

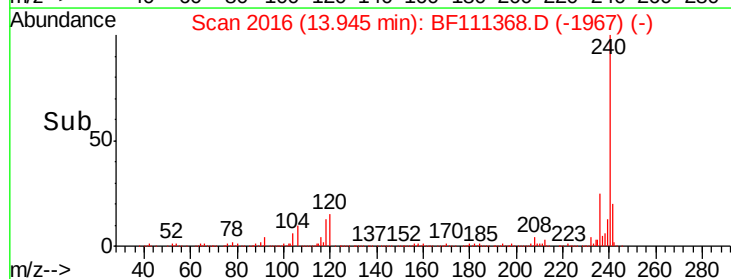
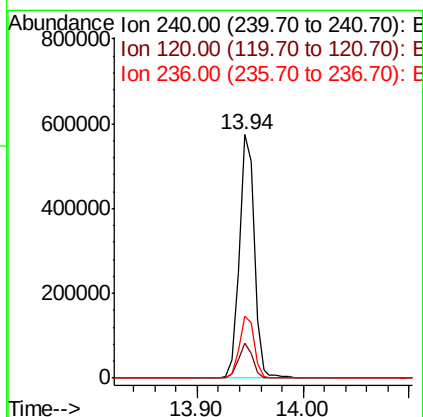
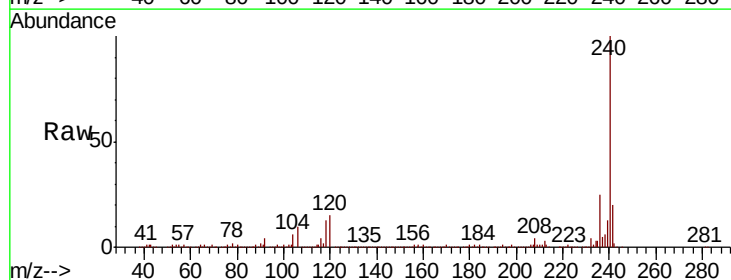
Instrument :
BNA_F
ClientSampleId :

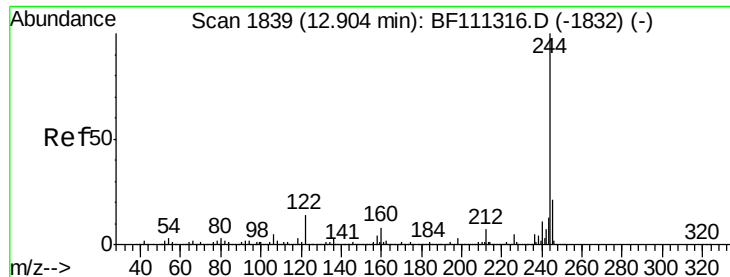
Tot Ion:188 Resp: 732689
Ion Ratio Lower Upper
188 100
94 11.6 9.6 14.4
80 12.5 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:240 Resp: 553302
Ion Ratio Lower Upper
240 100
120 14.6 12.2 18.2
236 25.4 20.2 30.2

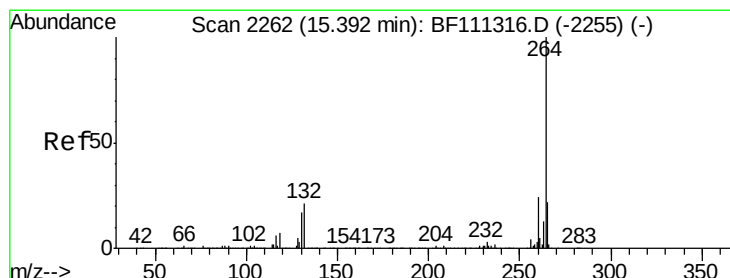
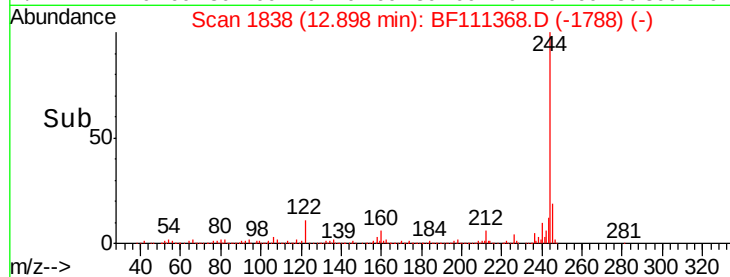
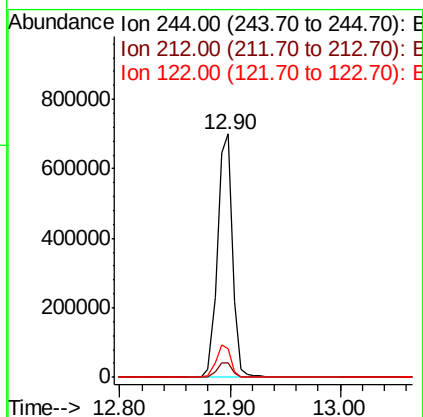
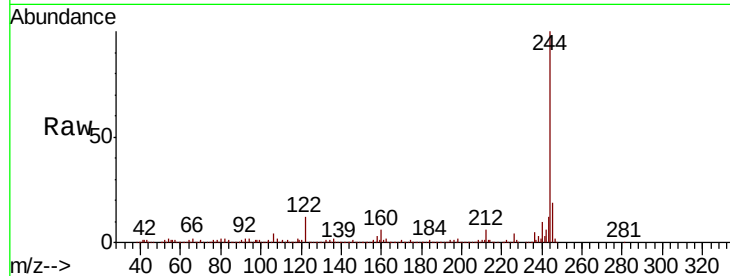




#79
 Terphenyl-d14
 Concen: 26.297 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111368.D
 Acq: 13 Dec 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 661099
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.7 8.5
 122 11.5 13.1 19.7#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BF111368.D
 Acq: 13 Dec 2018 14:01

Tgt Ion:264 Resp: 431284
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.3 27.5
 265 20.8 17.7 26.5

