

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111763.D
 Acq On : 27 Dec 2018 15:37
 Operator : JU/SJ
 Sample : J6426-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-2430-01

Manual Integrations
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Sohil
 12/28/2018 10:37:25 AM

Quant Time: Dec 28 07:43:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	125982	20.00	ng	0.02
21) Naphthalene-d8	8.20	136	320932	20.00	ng	0.02
39) Acenaphthene-d10	9.96	164	175342	20.00	ng	0.03
64) Phenanthrene-d10	11.46	188	269227	20.00	ng	0.04
76) Chrysene-d12	14.11	240	201995	20.00	ng	0.06
87) Perylene-d12	15.62	264	169394	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	186546	25.24	ng	0.08
7) Phenol-d6	6.56	99	173765	18.47	ng	0.04
23) Nitrobenzene-d5	7.47	82	514177	93.26	ng	0.01
42) 2,4,6-Tribromophenol	10.76	330	165530	79.90	ng	0.04
45) 2-Fluorobiphenyl	9.27	172	730870	60.76	ng	0.02
79) Terphenyl-d14	13.05	244	620017	58.21	ng	0.05
Target Compounds						
17) 2-Methylphenol	7.17	107	77274m	11.787	ng	Qvalue
30) 1,2,4-Trichlorobenzene	8.15	180	685201	123.739	ng	
31) Naphthalene	8.23	128	1971836	127.873	ng	
37) 2-Methylnaphthalene	8.93	142	1763759	175.804	ng	
38) 1-Methylnaphthalene	9.02	142	1039618m	107.896	ng	#
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	141616	24.579	ng	
46) 1,1'-Biphenyl	9.38	154	269461	18.205	ng	#
58) Fluorene	10.52	166	131695	11.455	ng	
71) Phenanthrene	11.49	178	664466	46.537	ng	

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

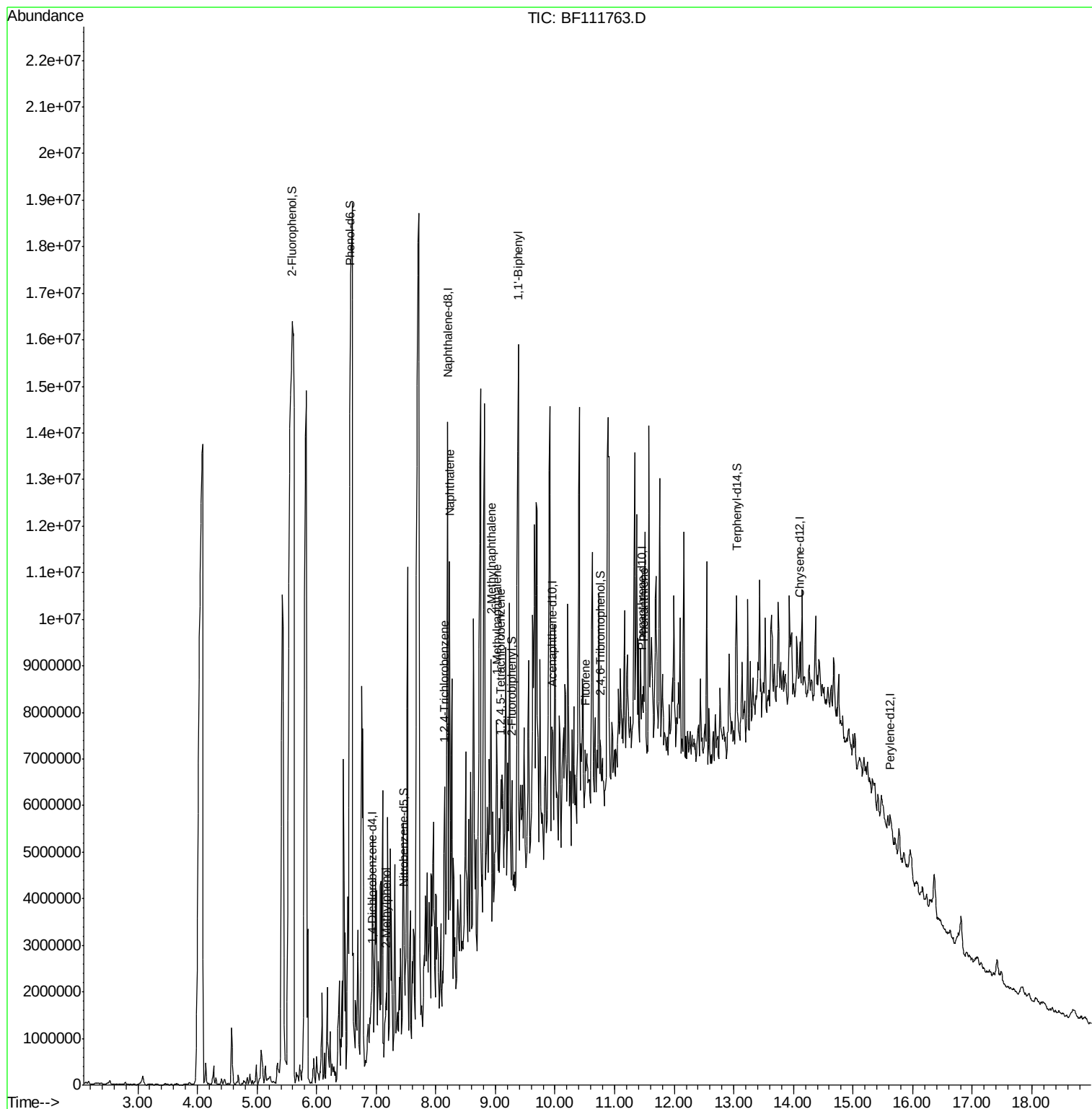
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
Data File : BF111763.D
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Sample : J6426-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

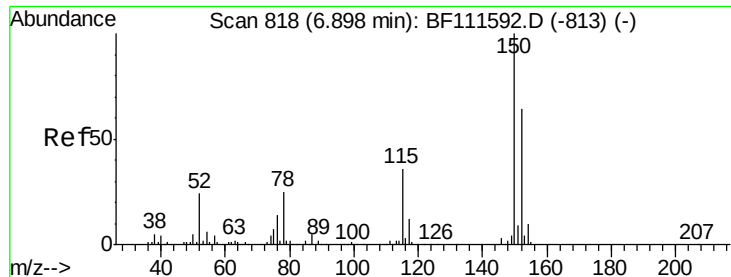
Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

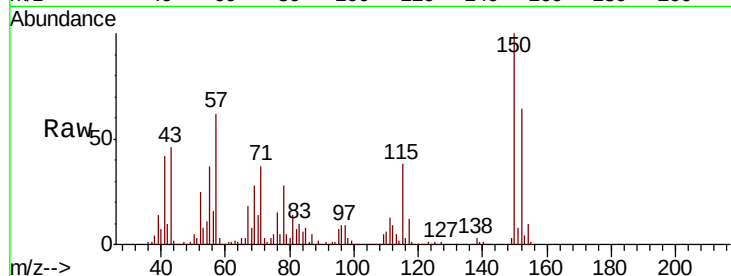
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. 0.02 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	189.8
115	60.2	50.7	76.1

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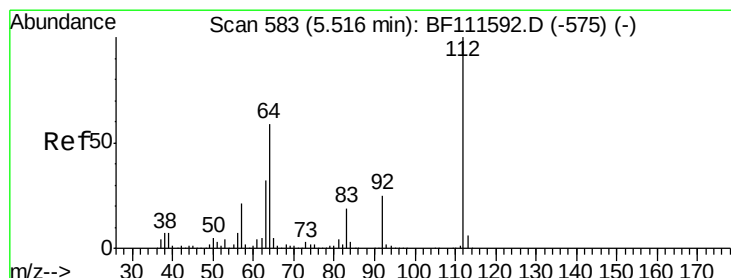
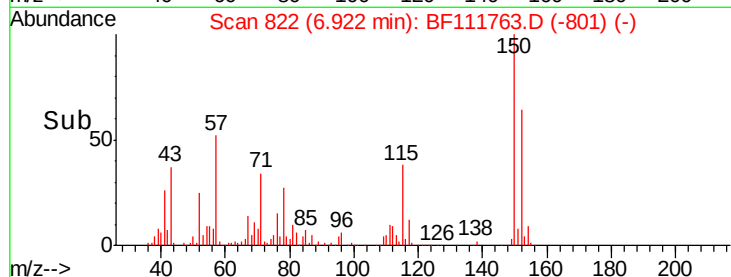
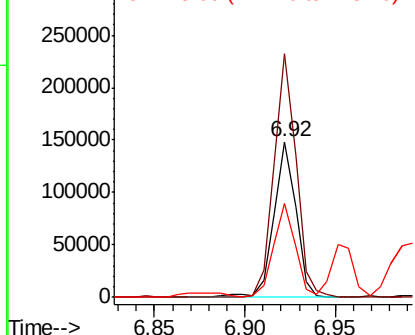


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

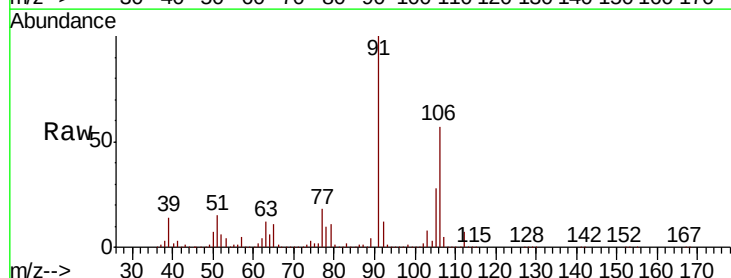
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.240 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.08 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	89.5	51.8	77.6#
63	160.7	26.8	40.2#

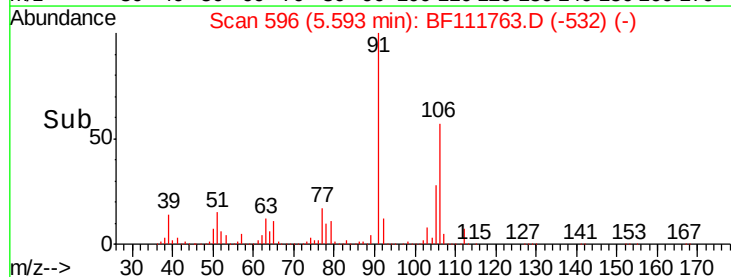
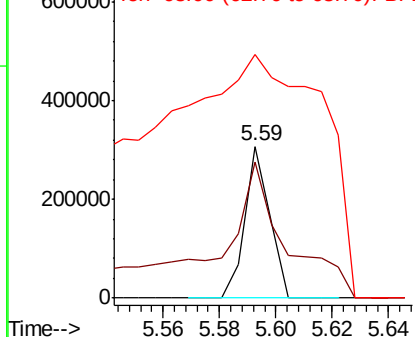


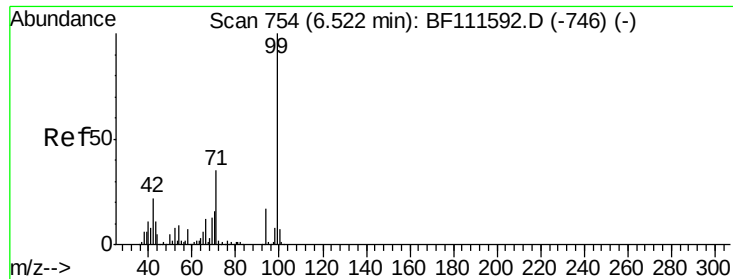
Abundance

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: 18.474 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.04 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Instrument :

BNA_F

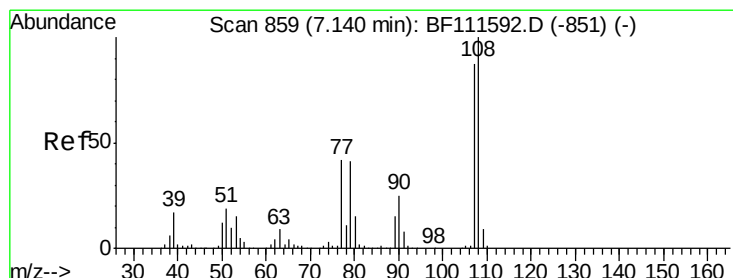
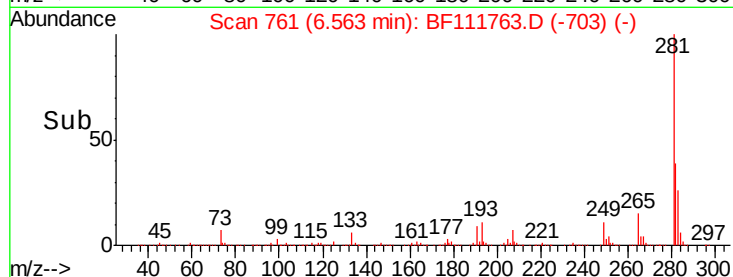
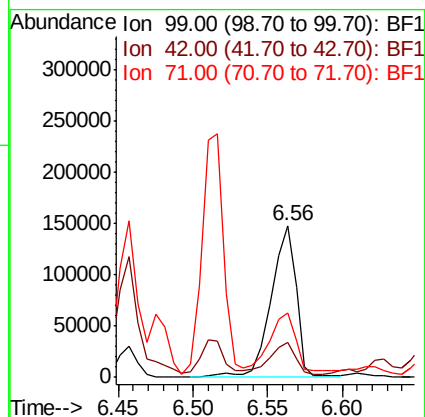
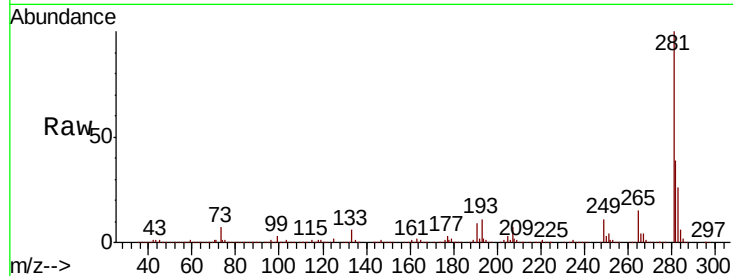
ClientSampleId :

P001-SS013-2430-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		173765		
42	23.5	17.4	26.0		
71	42.2	26.1	39.1#		

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#17

2-Methylphenol

Concen: 11.787 ng m

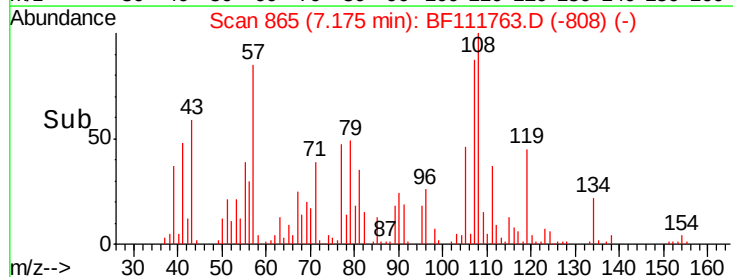
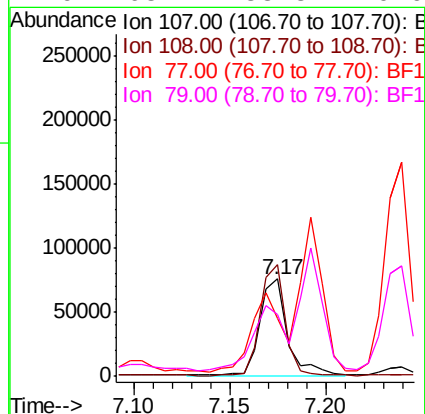
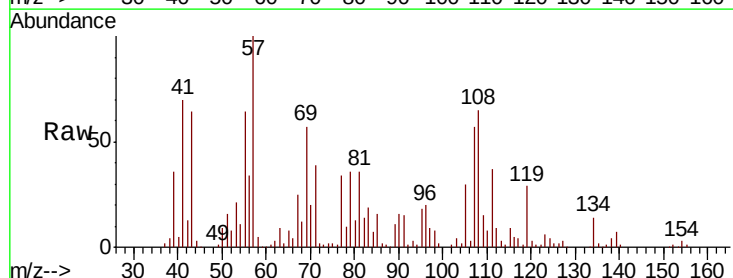
RT: 7.17 min Scan# 865

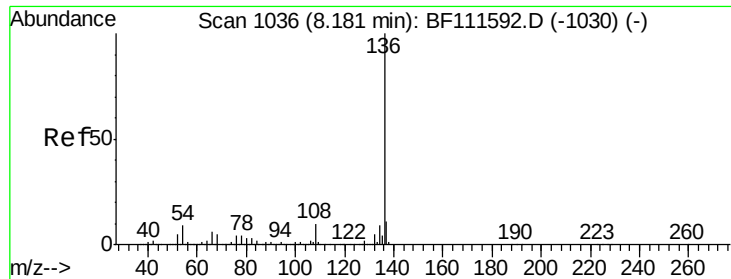
Delta R.T. 0.04 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		77274		
108	115.0	91.0	136.4		
77	59.7	33.5	50.3#		
79	63.4	33.3	49.9#		





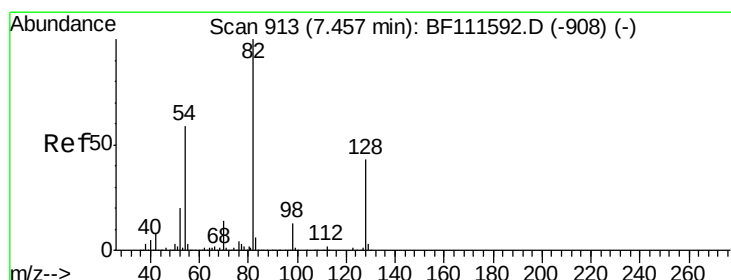
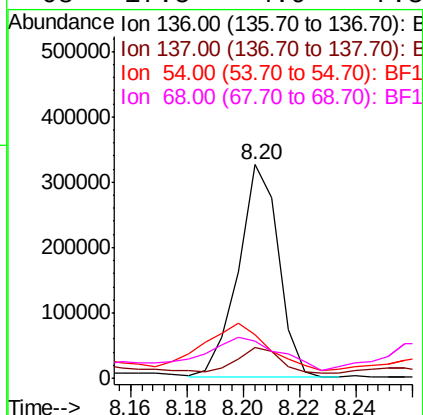
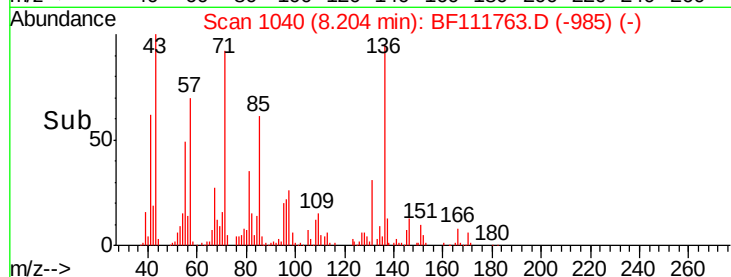
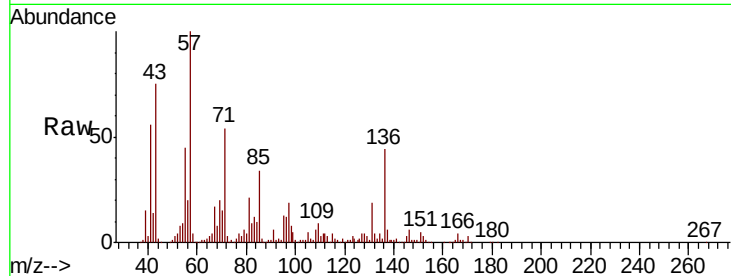
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.02 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	14.4		9.1	13.7#	
54	20.4		7.7	11.5#	
68	17.5		4.9	7.3#	

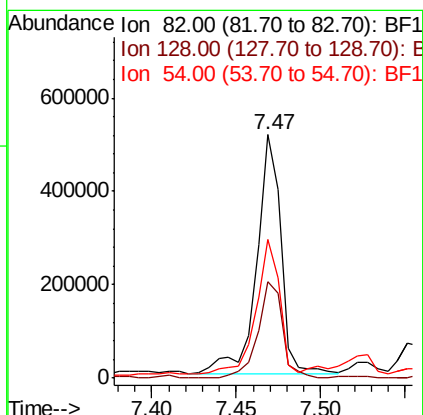
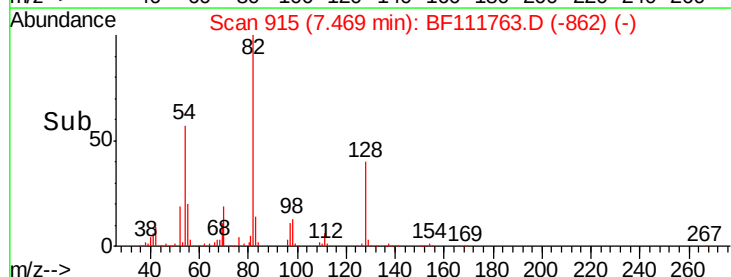
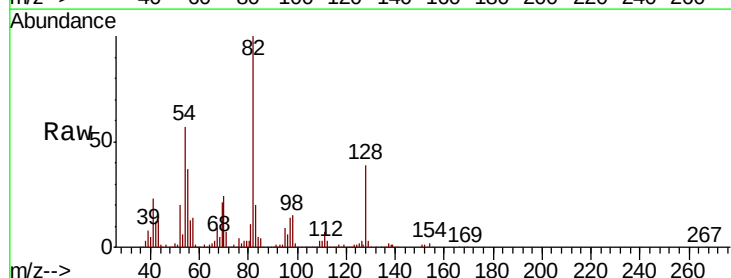
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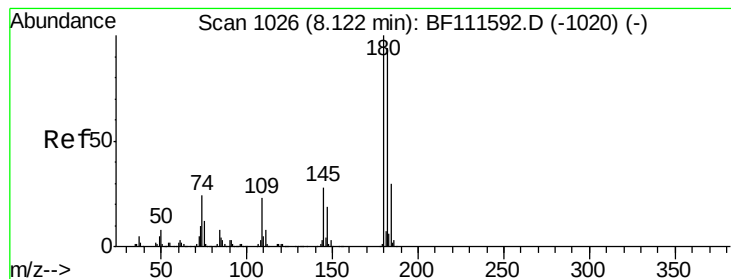
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#23
Nitrobenzene-d5
Concen: 93.257 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.01 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	39.4		37.4	56.2	
54	56.9		47.6	71.4	





#30

1,2,4-Trichlorobenzene

Concen: 123.739 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.02 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Instrument :

BNA_F

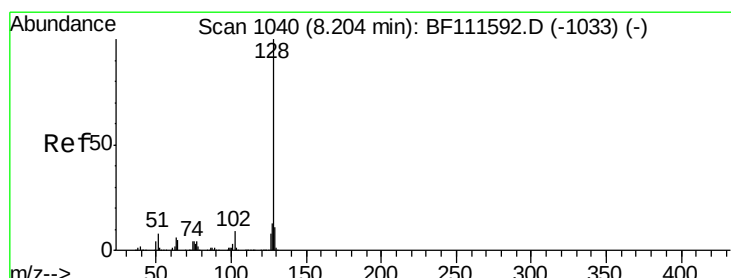
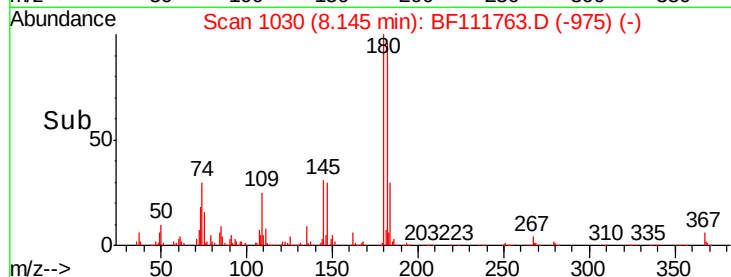
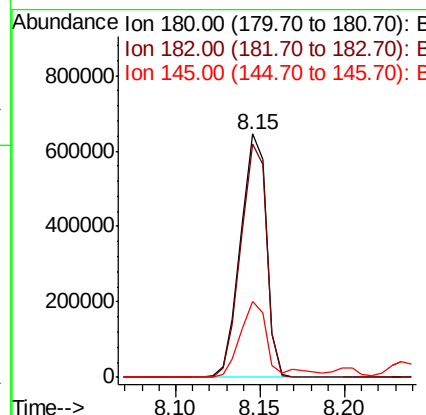
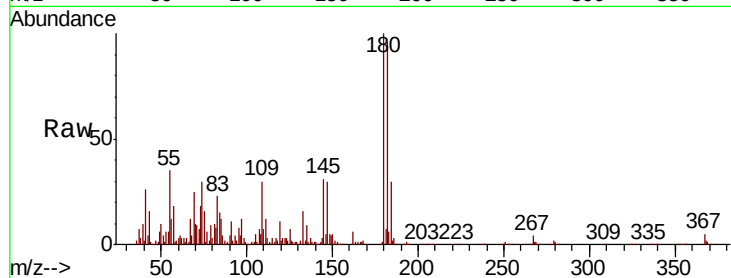
ClientSampleId :

P001-SS013-2430-01

Tot Ion:	180	Resp:	685201
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.6	113.4
145	31.0	26.7	40.1

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#31

Naphthalene

Concen: 127.873 ng

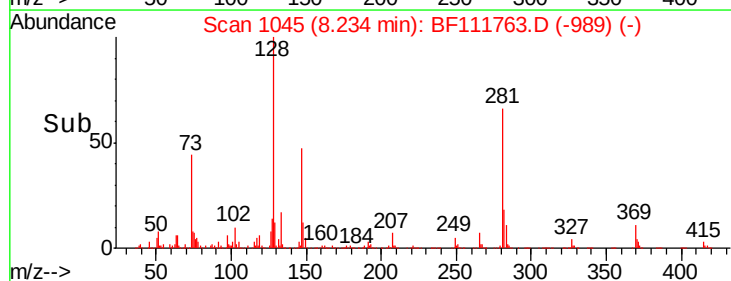
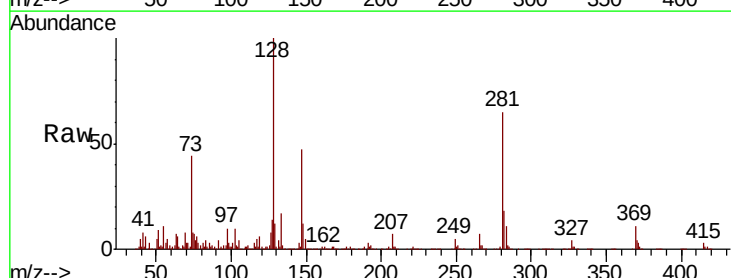
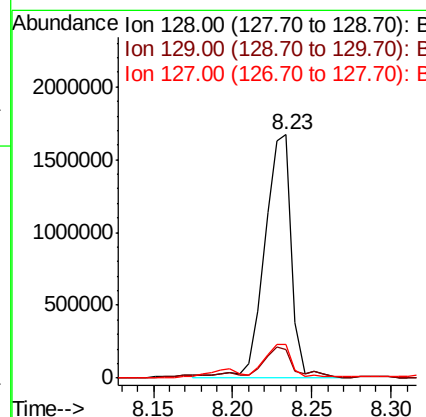
RT: 8.23 min Scan# 1045

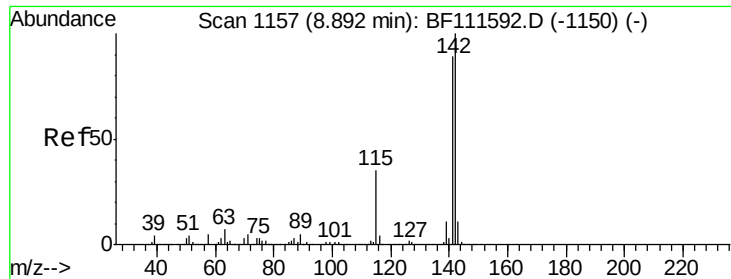
Delta R.T. 0.03 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Tgt Ion:	128	Resp:	1971836
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.8	14.8
127	14.1	12.0	18.0





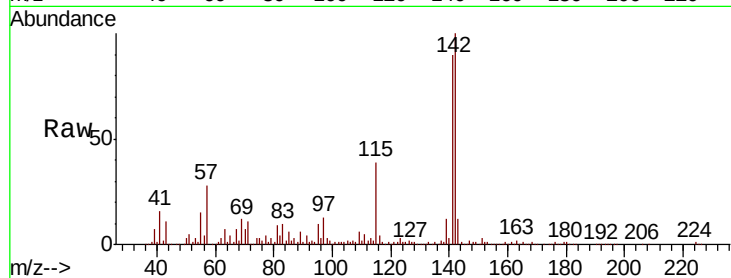
#37
2-Methylnaphthalene
Concen: 175.804 ng
RT: 8.93 min Scan# 1163
Delta R.T. 0.04 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.6	105.8
115	39.4	27.0	40.6

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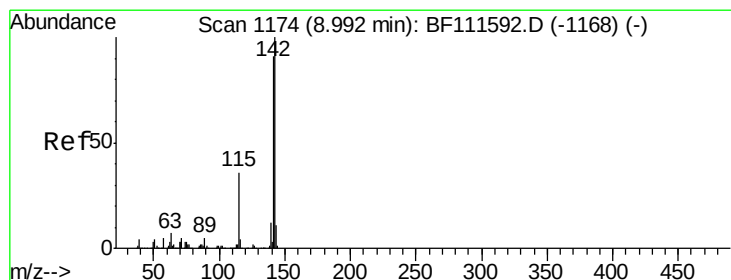
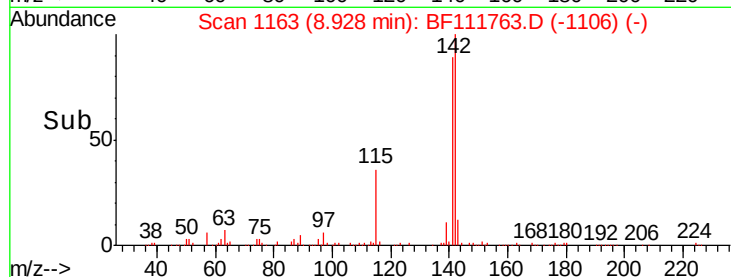
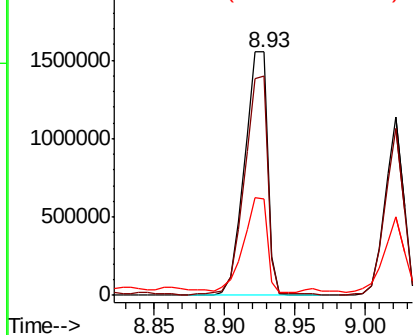


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 107.896 ng m
RT: 9.02 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

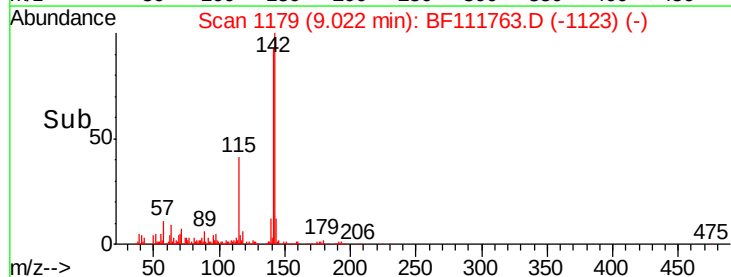
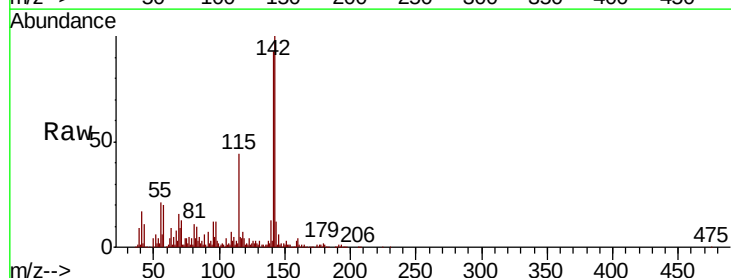
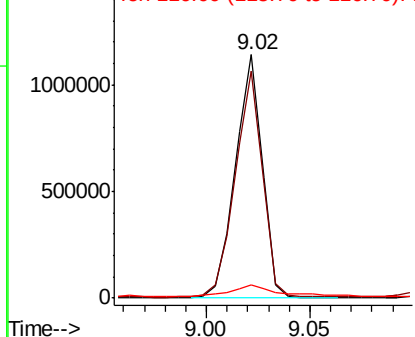
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	74.2	111.4
116	5.4	2.9	4.3#

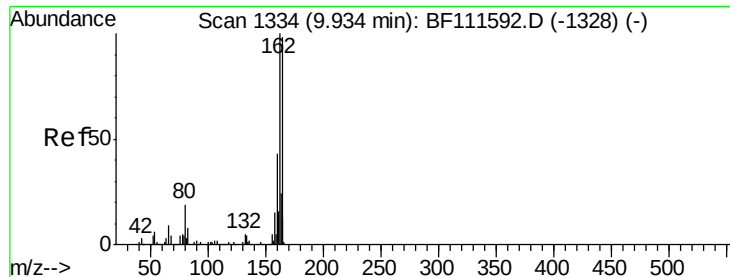
Abundance

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: 9.96 min Scan# 1339

Delta R.T. 0.03 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Instrument :

BNA_F

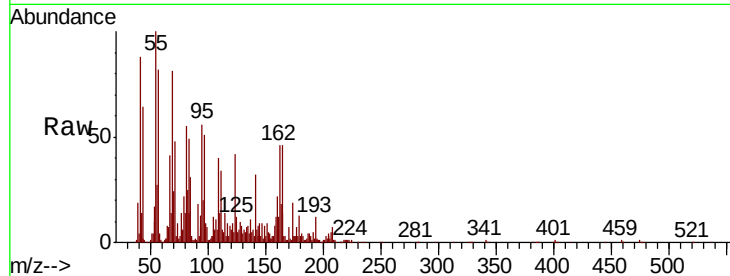
ClientSampleId :

P001-SS013-2430-01

Tot Ion:	164	Resp:	175342
Ion Ratio	Lower	Upper	
164	100		
162	99.1	81.4	122.0
160	48.4	35.7	53.5

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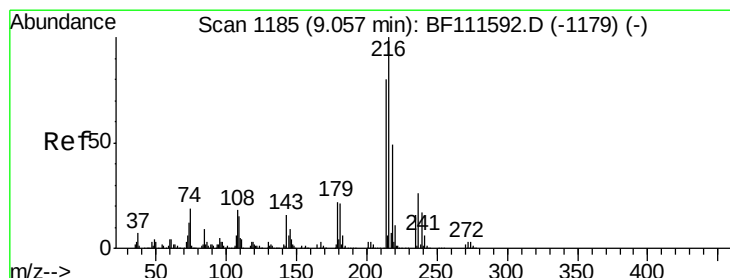
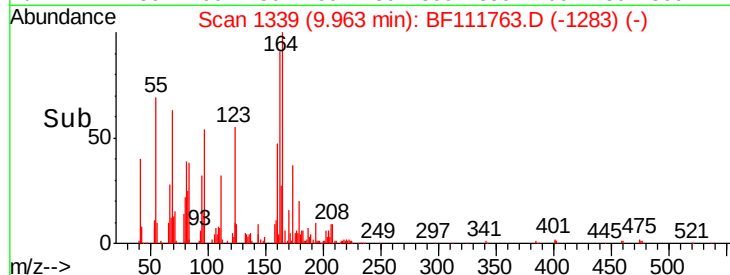
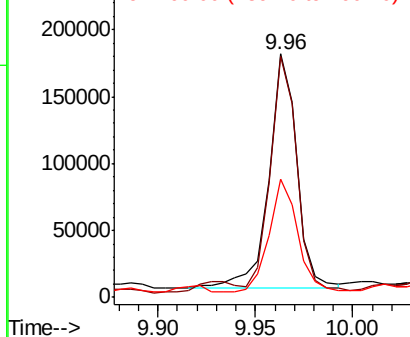


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 24.579 ng

RT: 9.09 min Scan# 1190

Delta R.T. 0.03 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Tgt Ion:	216	Resp:	141616
Ion Ratio	Lower	Upper	
216	100		
214	78.8	63.8	95.8
179	36.4	17.9	26.9#
108	21.5	18.4	27.6

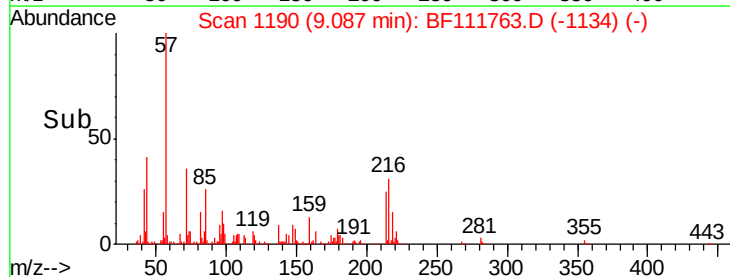
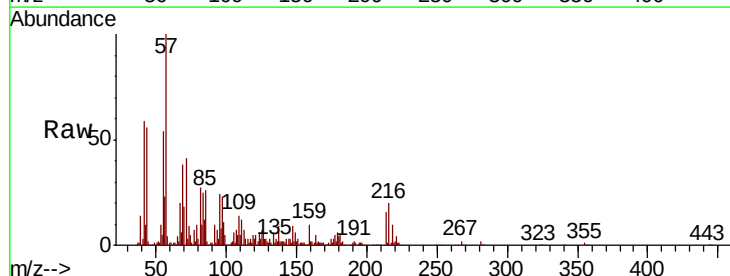
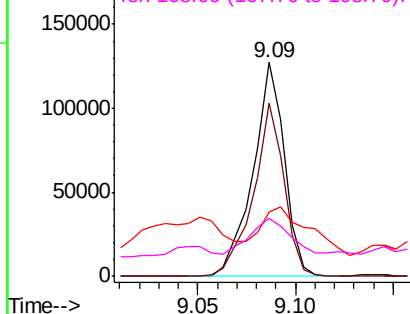
Abundance

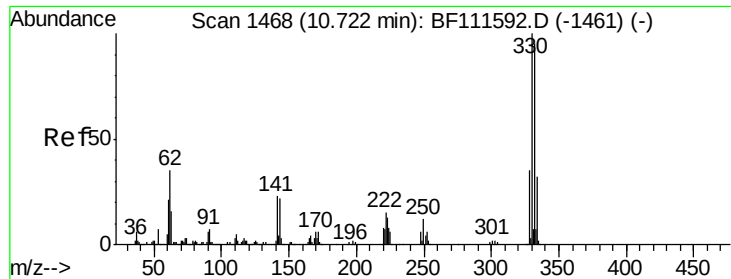
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





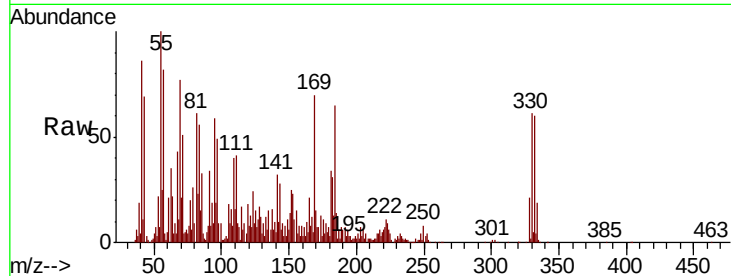
#42
 2,4,6-Tribromophenol
 Concen: 79.897 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. 0.04 min
 Lab File: BF111763.D
 Acq: 27 Dec 2018 15:37

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-2430-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.0	114.0	
141	36.4	31.0	46.6	

Manual Integrations
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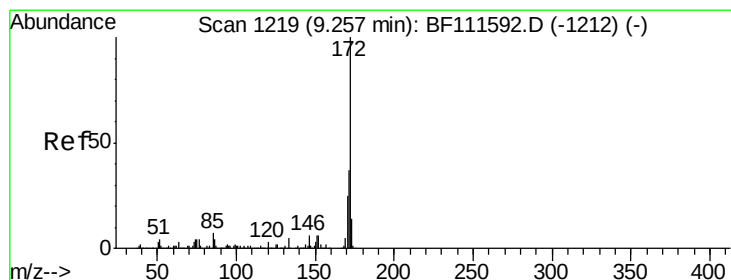
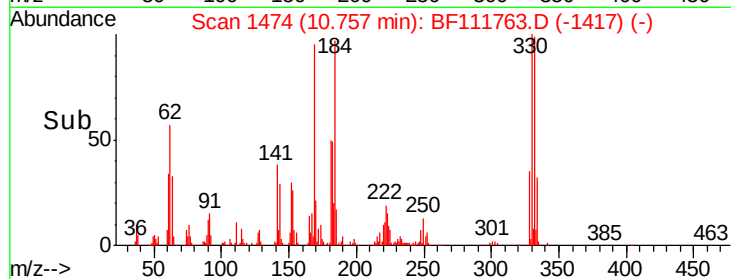
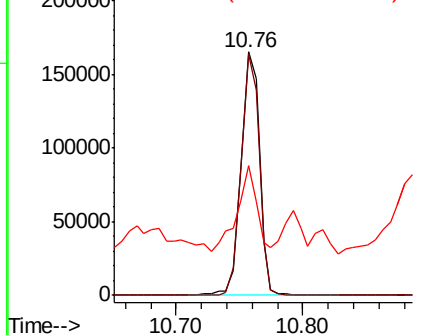


Abundance

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: 60.755 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. 0.02 min
 Lab File: BF111763.D
 Acq: 27 Dec 2018 15:37

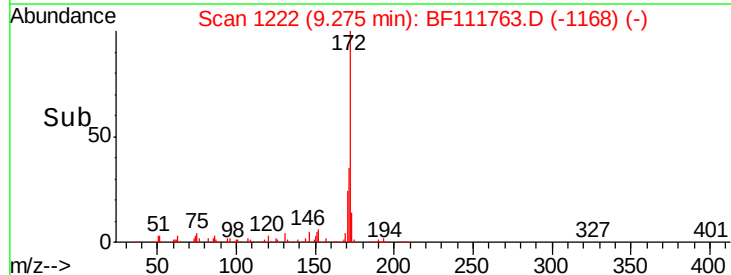
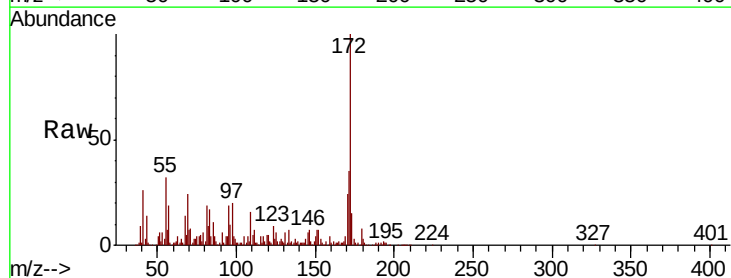
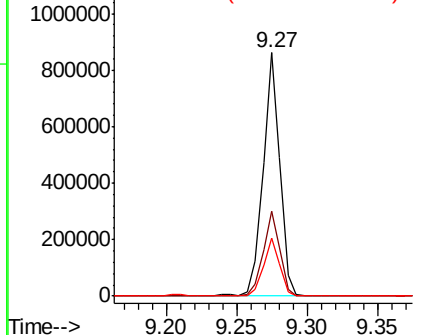
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	33.0	49.4	
170	23.7	22.3	33.5	

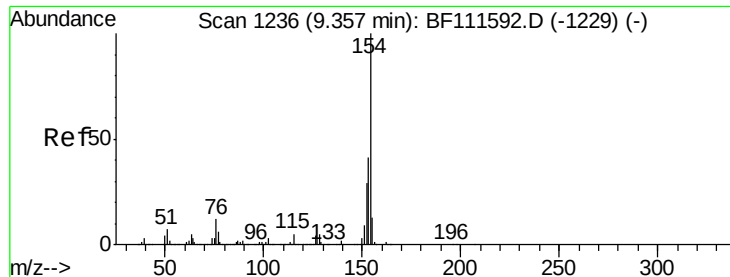
Abundance

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





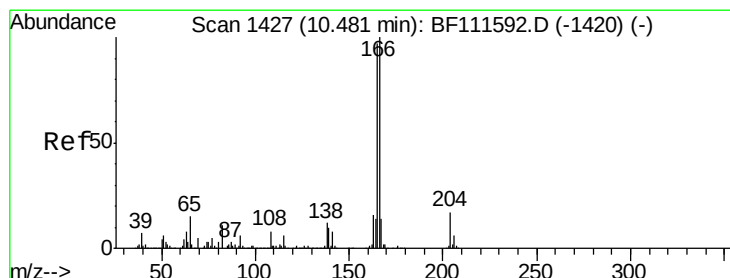
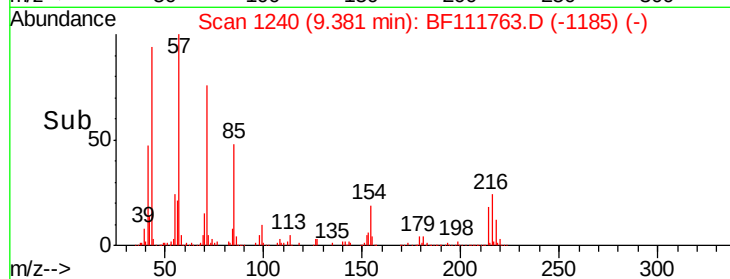
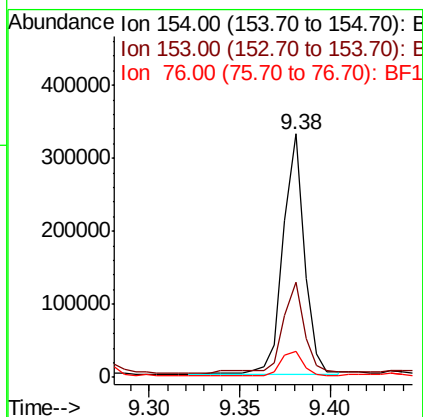
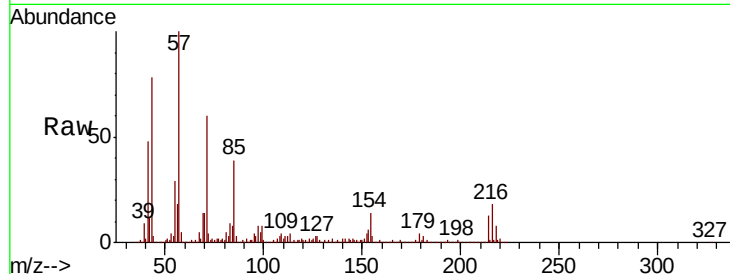
#46
 1,1'-Biphenyl
 Concen: 18.205 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. 0.02 min
 Lab File: BF111763.D
 Acq: 27 Dec 2018 15:37

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-2430-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.1	23.7	63.7
76	10.4	0.0	35.0

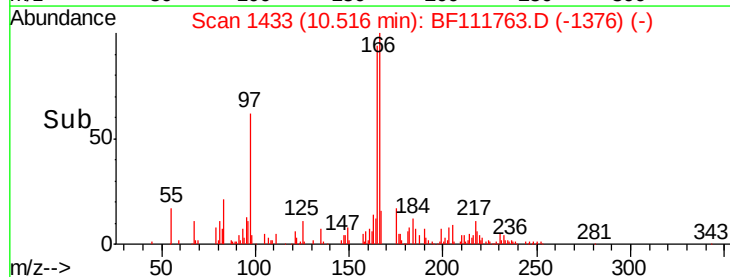
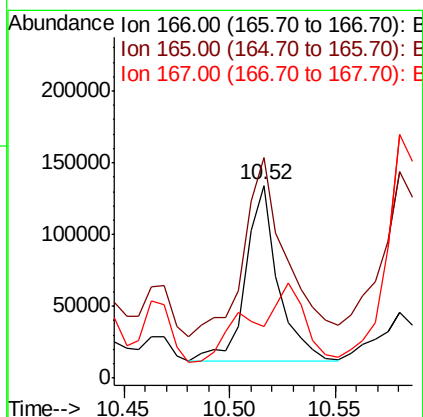
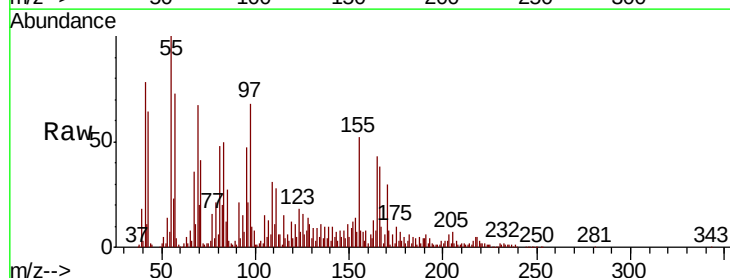
Manual Integrations
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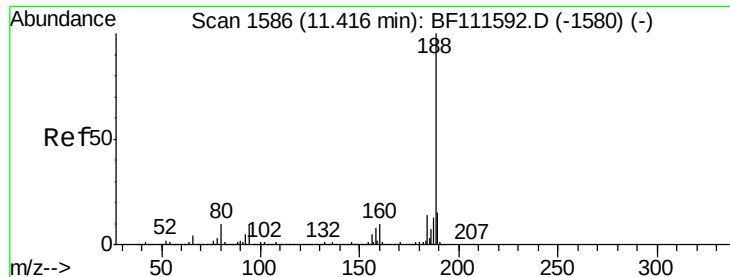
Sohil
 12/28/2018 10:37:25 AM



#58
 Fluorene
 Concen: 11.455 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.04 min
 Lab File: BF111763.D
 Acq: 27 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.7	78.4	117.6
167	26.8	11.2	16.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.04 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Instrument :

BNA_F

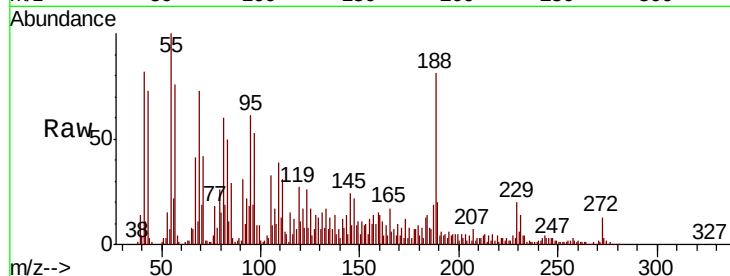
ClientSampleId :

P001-SS013-2430-01

Tot Ion:	188	Resp:	269227
Ion Ratio	Lower	Upper	
188	100		
94	22.4	9.6	14.4#
80	19.1	9.8	14.6#

Manual Integrations
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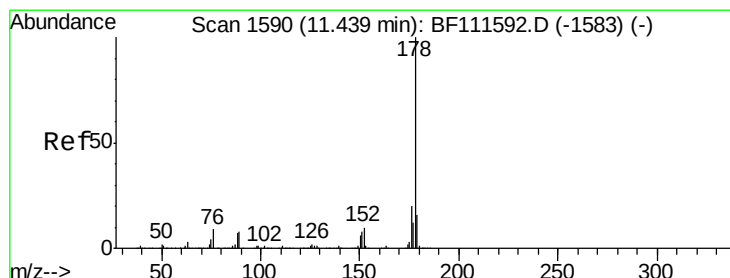
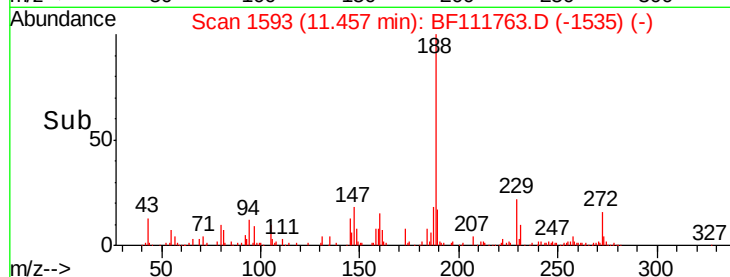
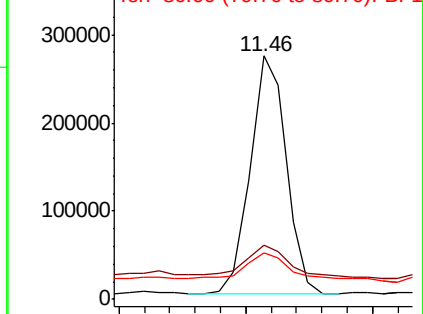
Sohil
12/28/2018 10:37:25 AM



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



#71

Phenanthrene

Concen: 46.537 ng

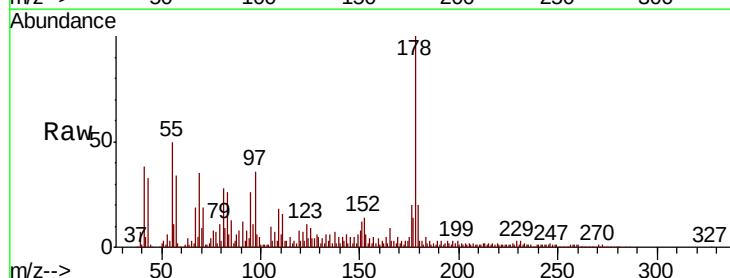
RT: 11.49 min Scan# 1598

Delta R.T. 0.05 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

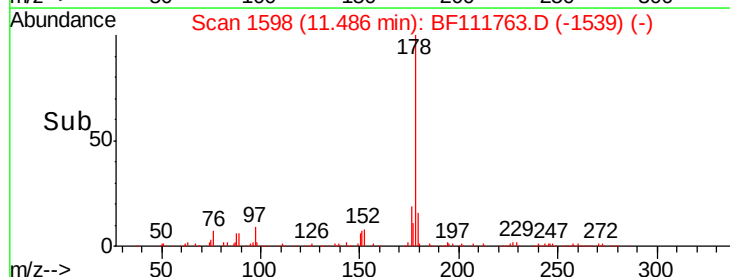
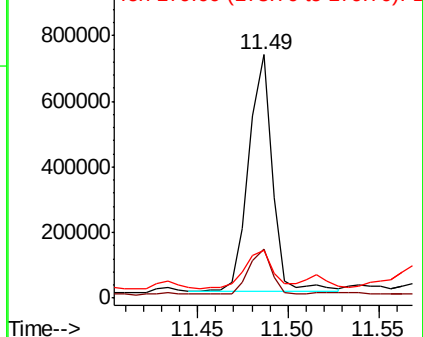
Tgt Ion:	178	Resp:	664466
Ion Ratio	Lower	Upper	
178	100		
176	20.3	18.1	27.1
179	19.6	14.0	21.0

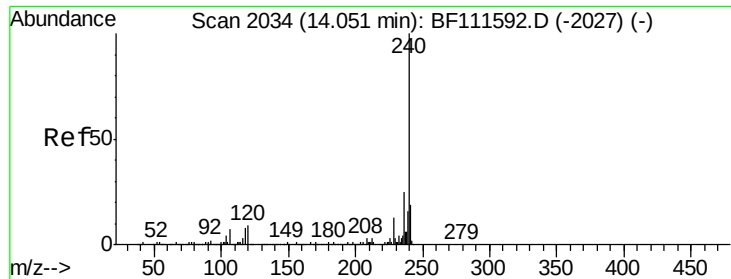


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.06 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Instrument :

BNA_F

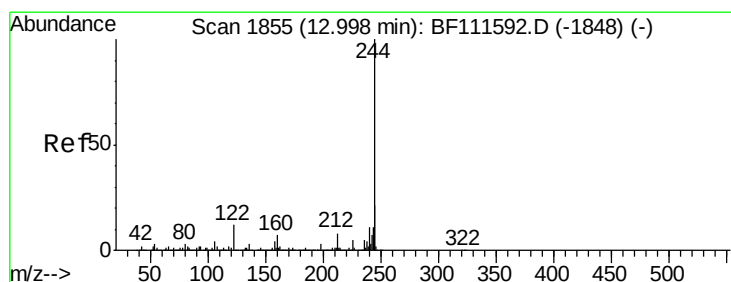
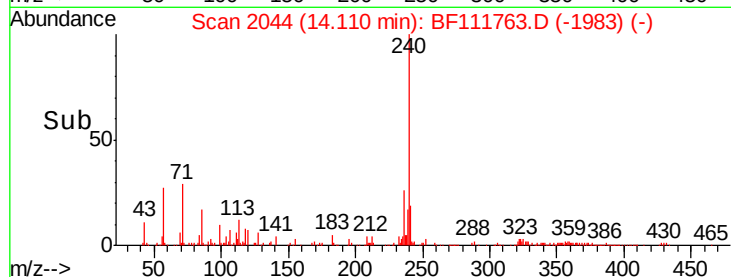
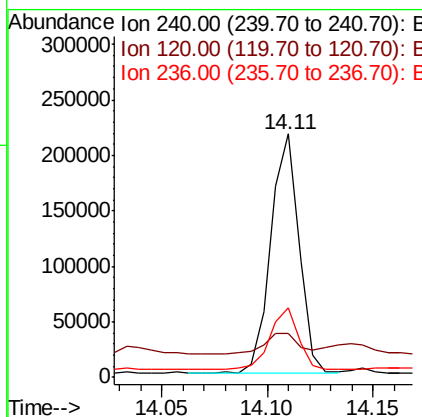
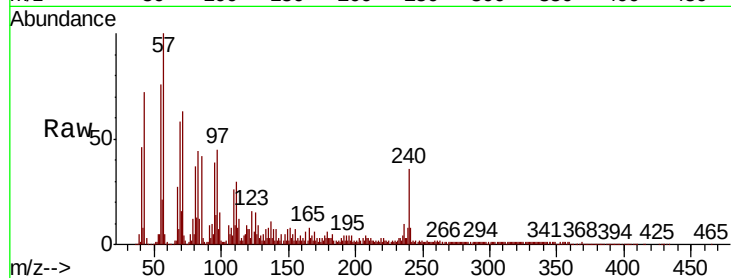
ClientSampleId :

P001-SS013-2430-01

Tot Ion:	240	Resp:	201995
Ion Ratio	Lower	Upper	
240	100		
120	18.0	12.2	18.2
236	28.4	20.2	30.2

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#79

Terphenyl-d14

Concen: 58.210 ng

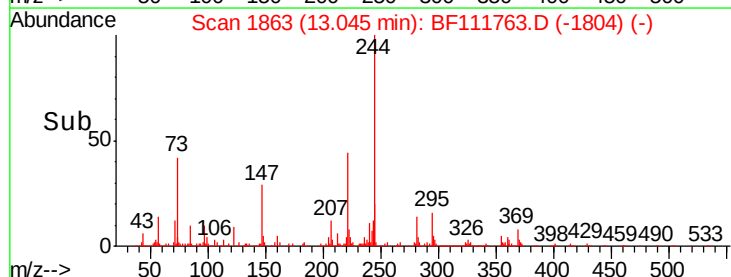
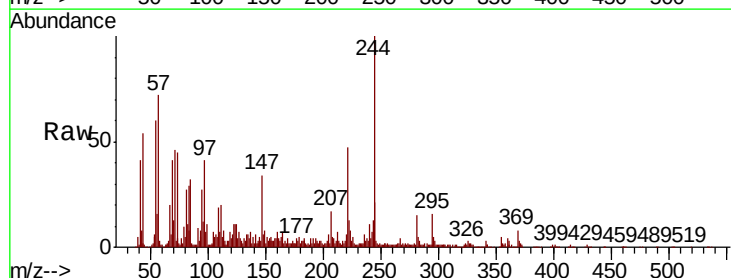
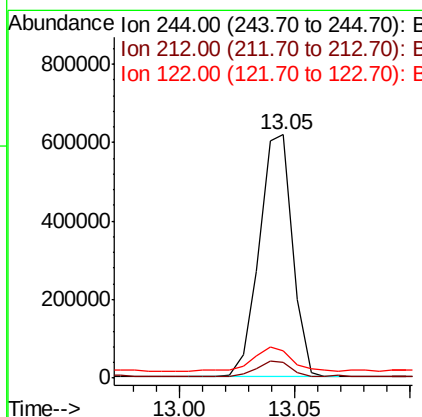
RT: 13.05 min Scan# 1863

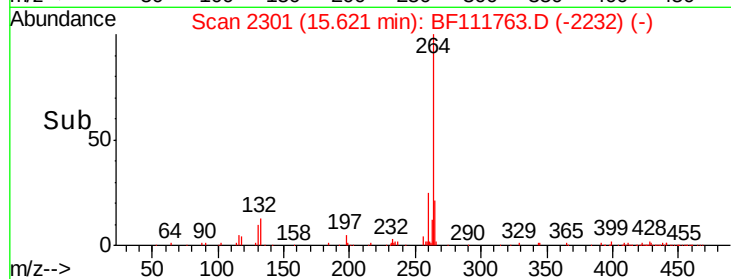
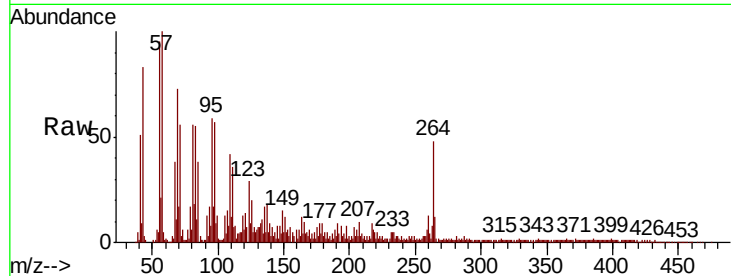
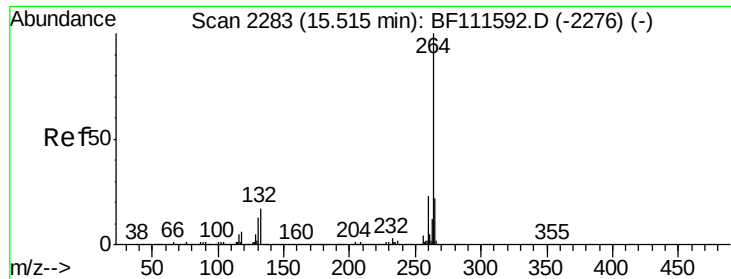
Delta R.T. 0.05 min

Lab File: BF111763.D

Acq: 27 Dec 2018 15:37

Tgt Ion:	244	Resp:	620017
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.7	8.5
122	11.4	13.1	19.7#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.11 min
Lab File: BF111763.D
Acq: 27 Dec 2018 15:37

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	27.6	18.3	27.5#
265	25.7	17.7	26.5

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01

Manual Integrations
APPROVED

Sohil
12/28/2018 10:37:25 AM

