

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111340.D
 Acq On : 12 Dec 2018 23:50
 Operator : JU/SJ
 Sample : J6189-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Manual Integrations
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 12/13/2018 6:06:51 PM

Quant Time: Dec 13 04:32:29 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	232676	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	754526	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	333233	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	587622	20.00	ng	0.00
76) Chrysene-d12	13.96	240	366586	20.00	ng	0.00
87) Perylene-d12	15.40	264	297166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	893337	64.93	ng	0.00
7) Phenol-d6	6.43	99	1085576	58.52	ng	0.00
23) Nitrobenzene-d5	7.35	82	600053	44.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	168185	57.25	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	972169	46.84	ng	0.00
79) Terphenyl-d14	12.90	244	828815	49.76	ng	0.00
Target Compounds						
10) Phenol	6.44	94	85200	4.054	ng	89
37) 2-Methylnaphthalene	8.79	142	89159	3.923	ng	96
38) 1-Methylnaphthalene	8.89	142	59684	2.721	ng	# 96
50) Dimethylphthalate	9.55	163	71120	2.968	ng	# 95
52) Acenaphthene	9.86	154	44567	2.221	ng	98
58) Fluorene	10.37	166	80833	3.901	ng	# 98
71) Phenanthrene	11.34	178	828282	27.270	ng	94
72) Anthracene	11.39	178	242689	7.847	ng	95
75) Fluoranthene	12.53	202	1100345	37.110	ng	98
78) Pyrene	12.76	202	971935	34.354	ng	97
81) Benzo(a)anthracene	13.95	228	379409	18.498	ng	98
83) Chrysene	13.98	228	333070	15.916	ng	96
86) Indeno(1,2,3-cd)pyrene	16.82	276	119373	7.294	ng	93
88) Benzo(b)fluoranthene	14.98	252	331361m	19.610	ng	
89) Benzo(k)fluoranthene	15.00	252	126719m	7.513	ng	
90) Benzo(a)pyrene	15.33	252	242336	15.402	ng	# 94
91) Dibenzo(a,h)anthracene	16.82	278	34716	2.652	ng	# 47
92) Benzo(g,h,i)perylene	17.24	276	105463	8.058	ng	93

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

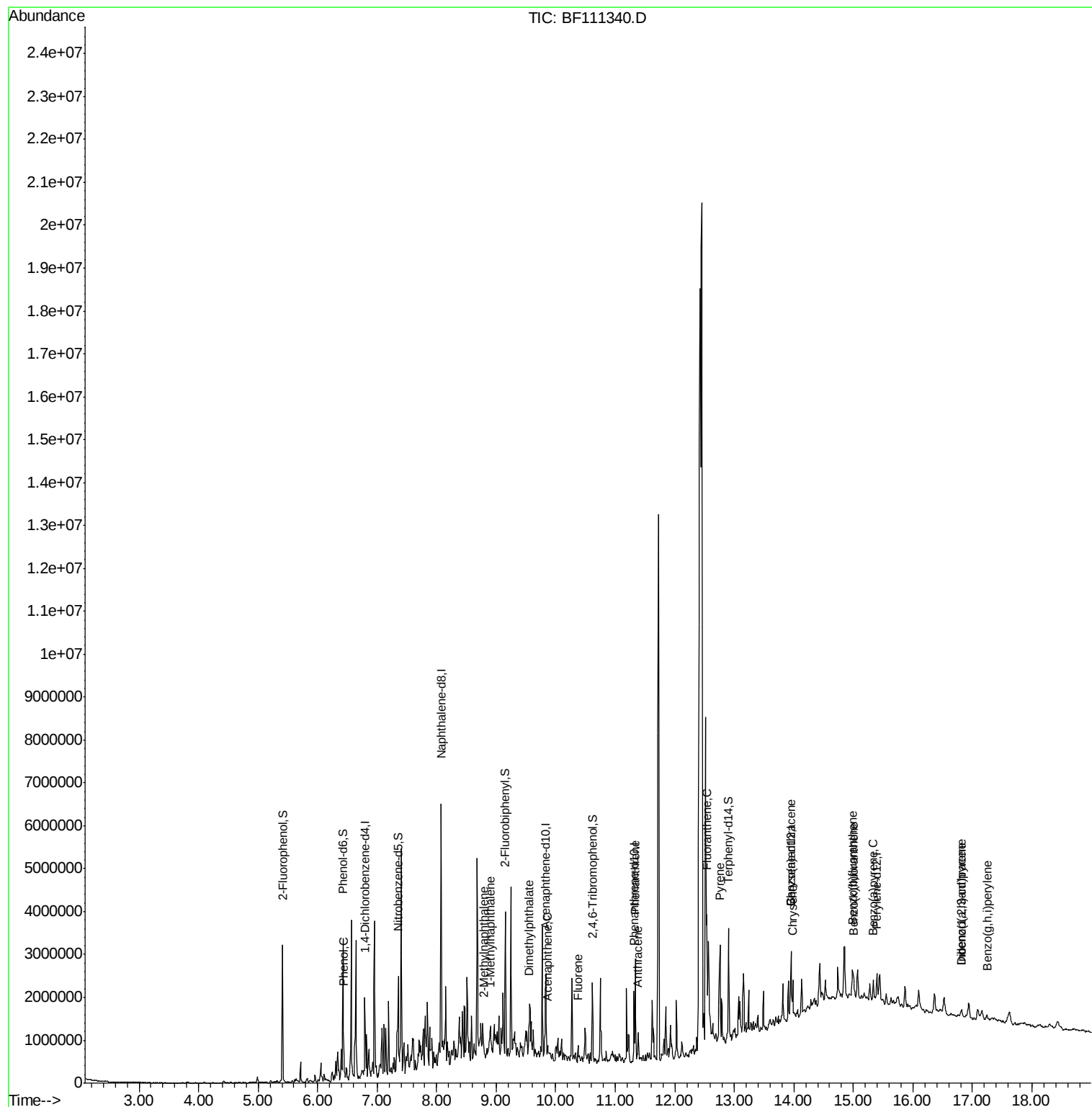
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

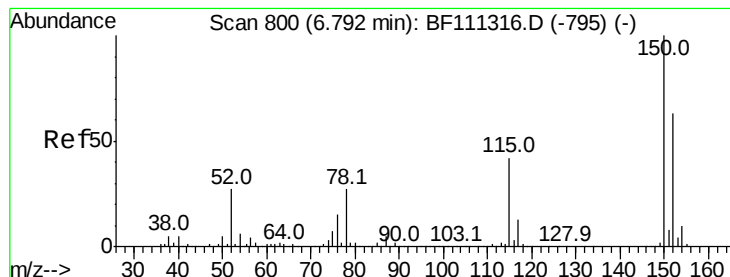
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
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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: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampled :

HR-05-121118-C

Tot Ion:152 Resp: 232676

Ion Ratio Lower Upper

152 100

150 157.9 126.6 189.8

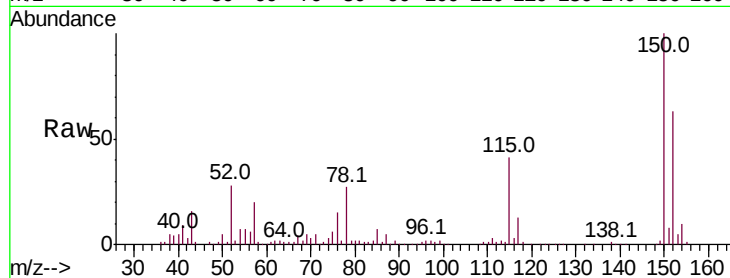
115 65.2 50.7 76.1

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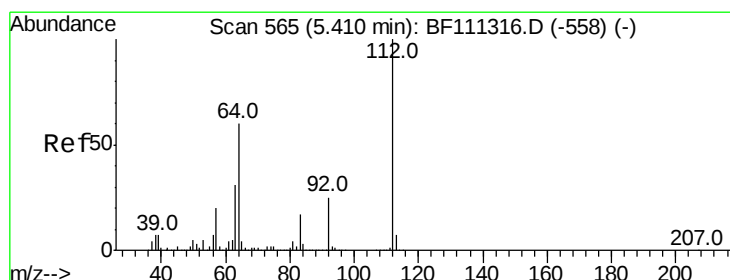
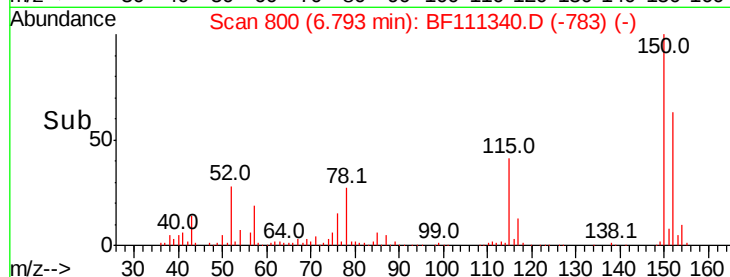
Abundance

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

Time-->



#5

2-Fluorophenol

Concen: 64.925 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

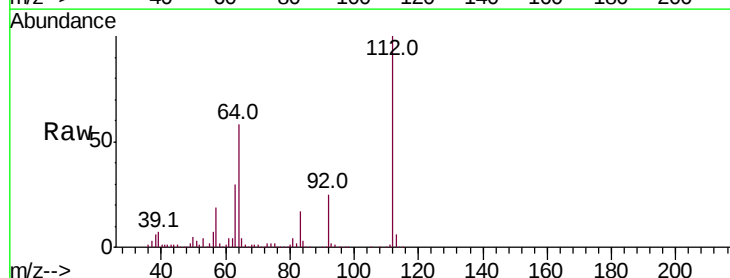
Tgt Ion:112 Resp: 893337

Ion Ratio Lower Upper

112 100

64 58.0 51.8 77.6

63 30.3 26.8 40.2



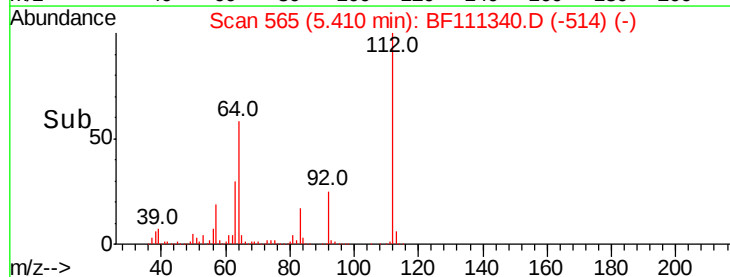
Abundance

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

Time-->





#7

Phenol-d6

Concen: 58.517 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

Tot Ion: 99 Resp: 1085576

Ion Ratio Lower Upper

99 100

42 20.5 17.4 26.0

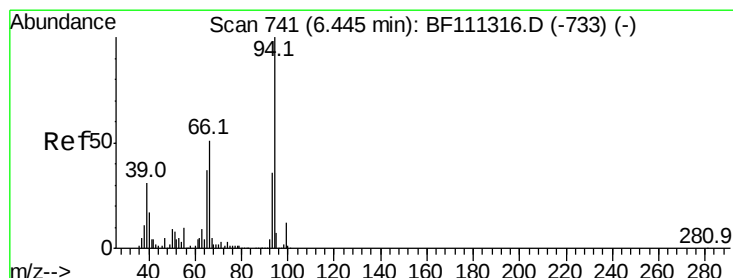
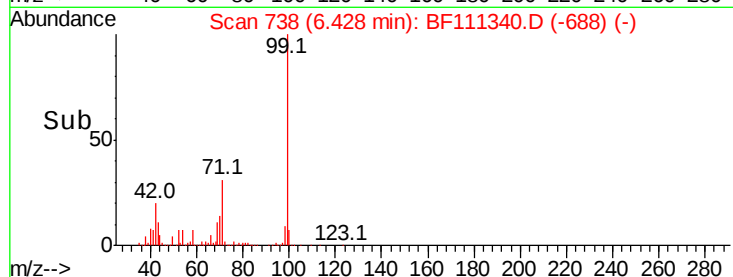
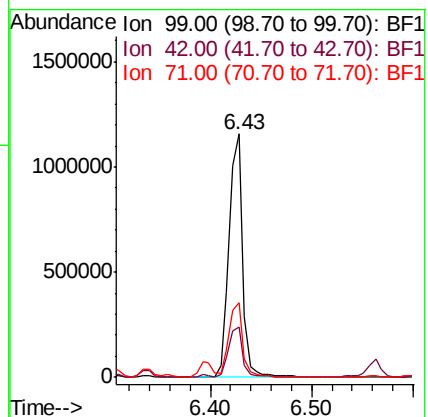
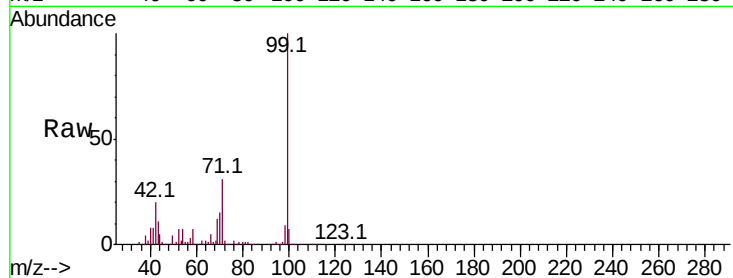
71 30.7 26.1 39.1

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#10

Phenol

Concen: 4.054 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

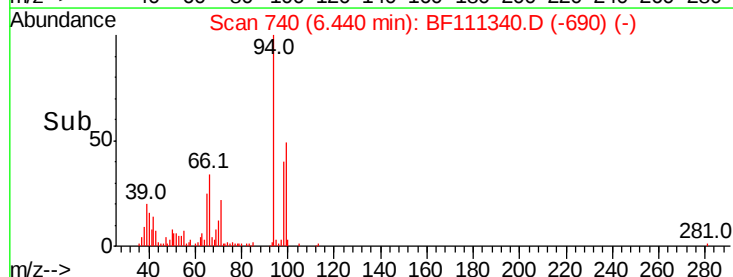
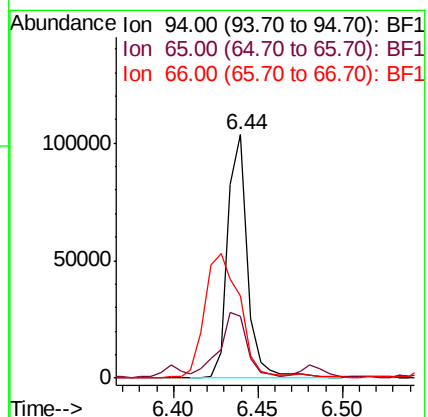
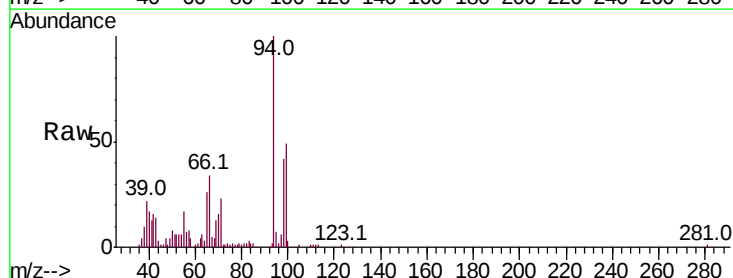
Tgt Ion: 94 Resp: 85200

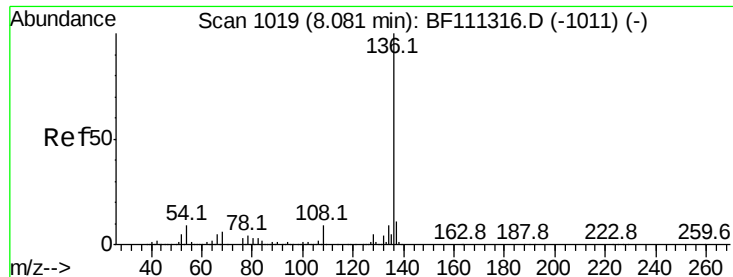
Ion Ratio Lower Upper

94 100

65 25.6 11.7 51.7

66 34.0 21.0 61.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

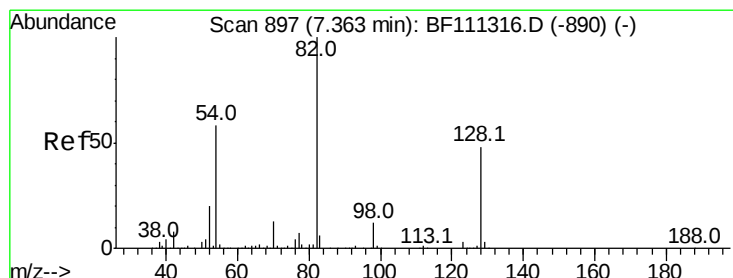
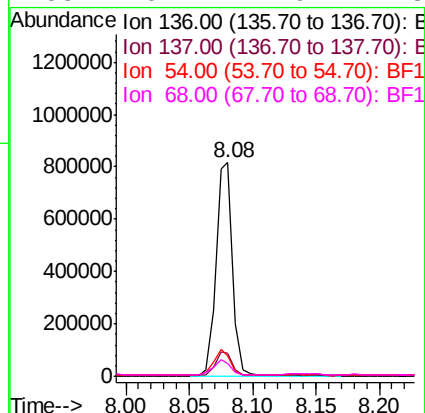
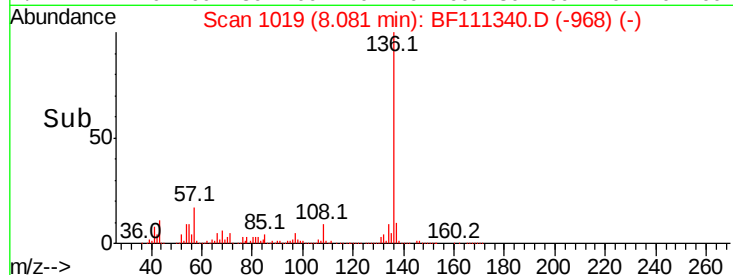
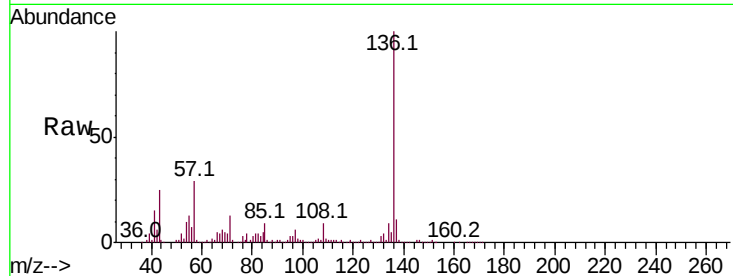
ClientSampleId :

HR-05-121118-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		754526		
137	10.5	9.1	13.7		
54	9.5	7.7	11.5		
68	6.1	4.9	7.3		

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#23

Nitrobenzene-d5

Concen: 44.824 ng

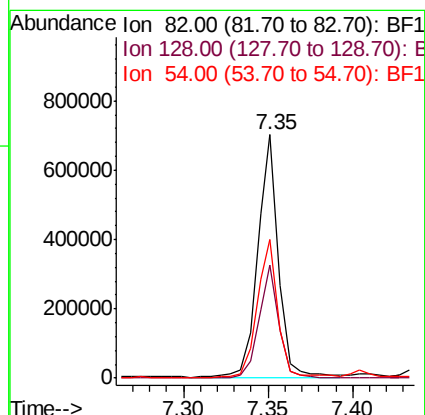
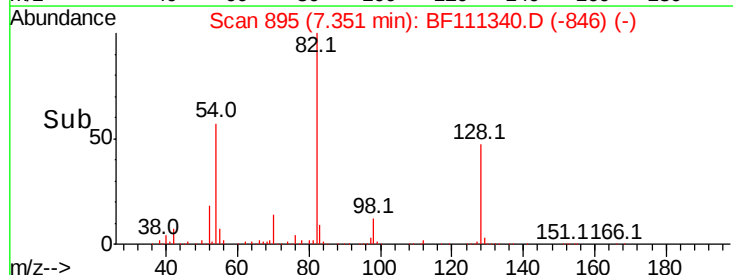
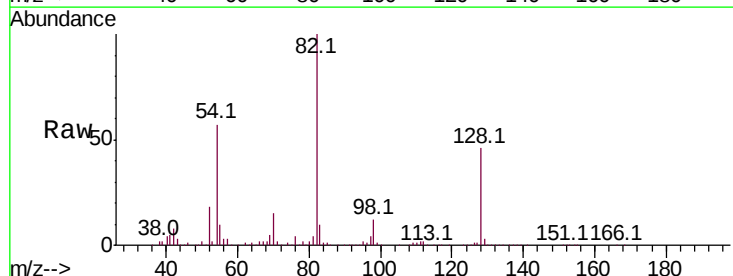
RT: 7.35 min Scan# 895

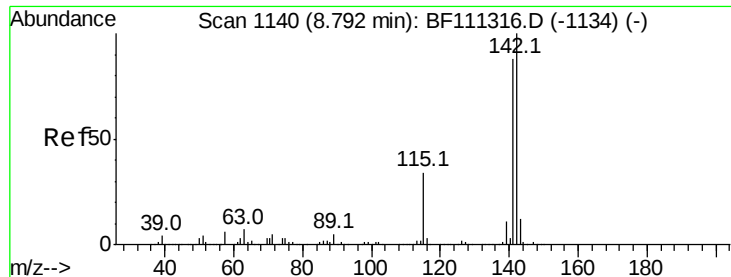
Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		600053		
128	46.3	37.4	56.2		
54	57.2	47.6	71.4		





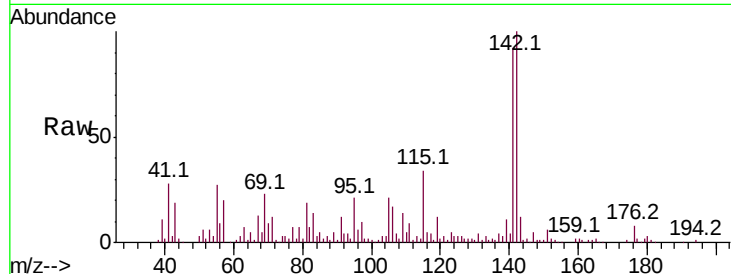
#37
2-Methylnaphthalene
Concen: 3.923 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	70.6	105.8
115	34.3	27.0	40.6

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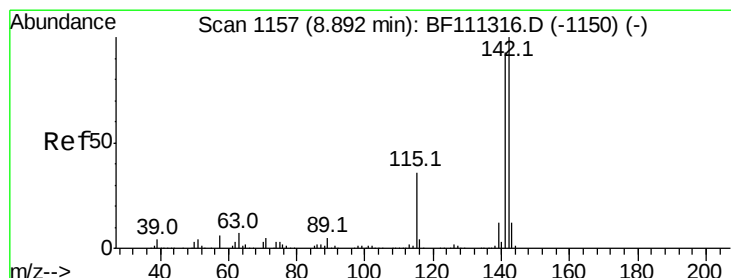
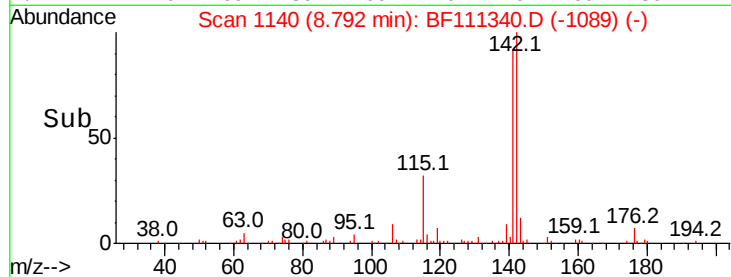
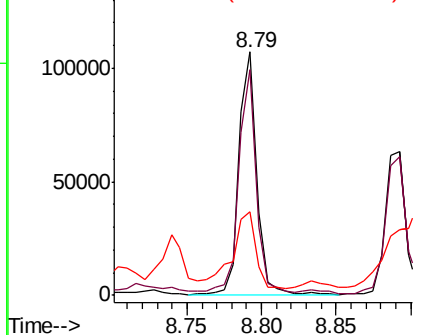


Abundance

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: 2.721 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

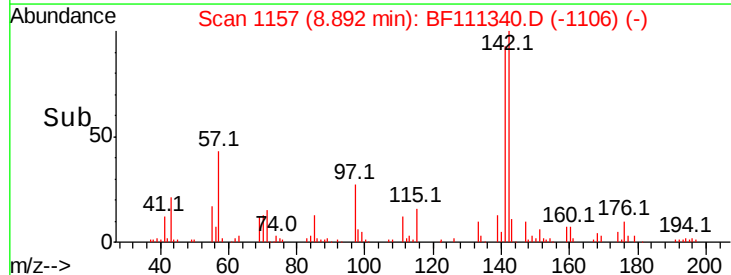
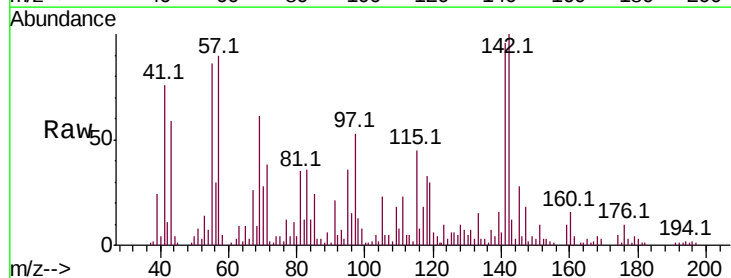
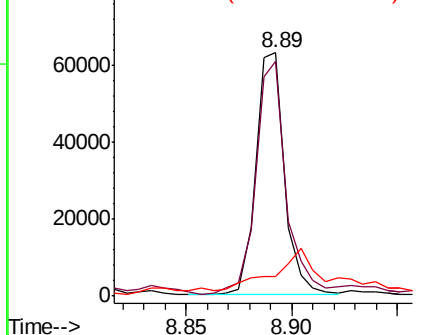
Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.4	74.2	111.4
116	7.9	2.9	4.3#

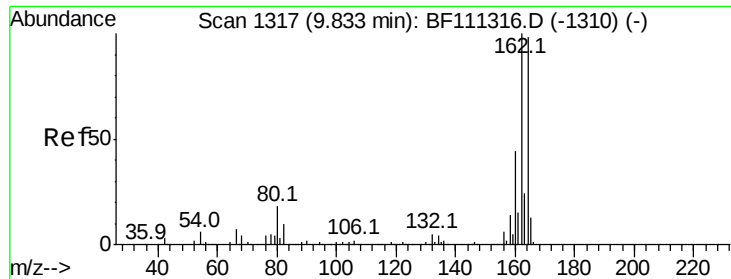
Abundance

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





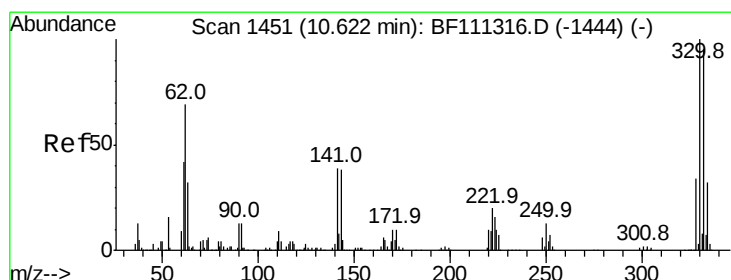
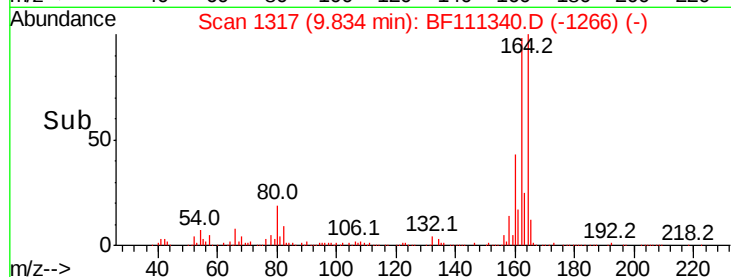
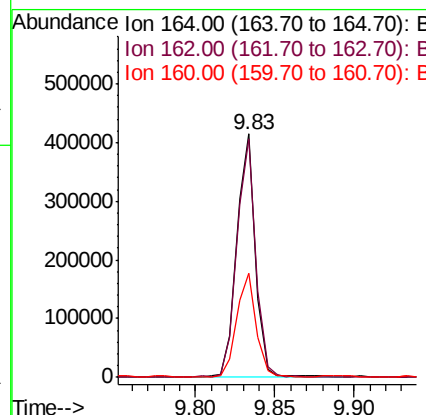
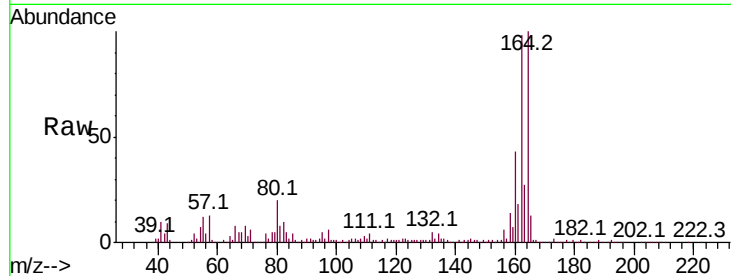
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.4	122.0
160	42.8	35.7	53.5

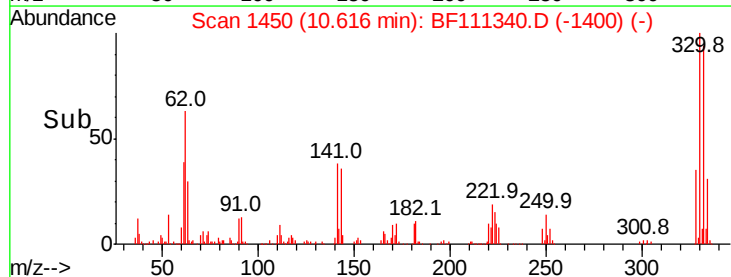
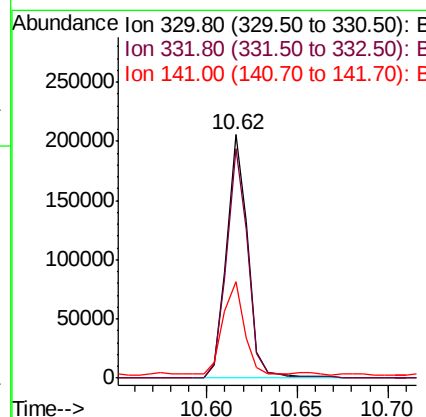
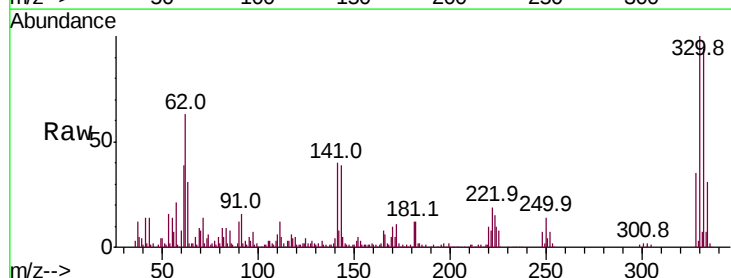
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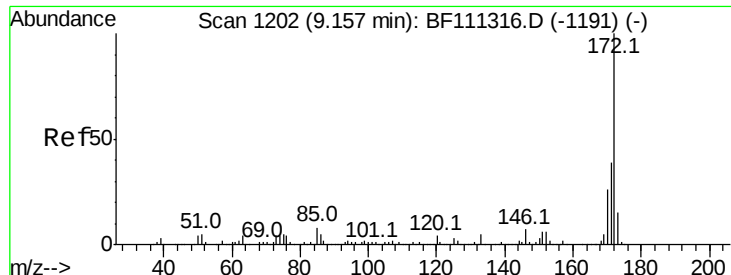
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#42
 2,4,6-Tribromophenol
 Concen: 57.255 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.0	114.0
141	37.7	31.0	46.6





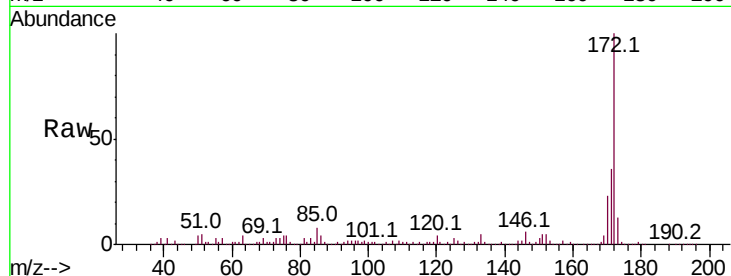
#45
2-Fluorobiphenyl
Concen: 46.838 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

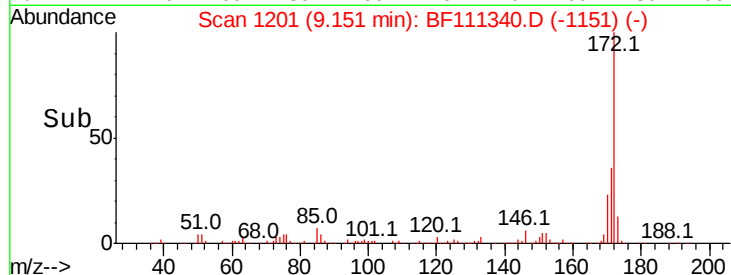
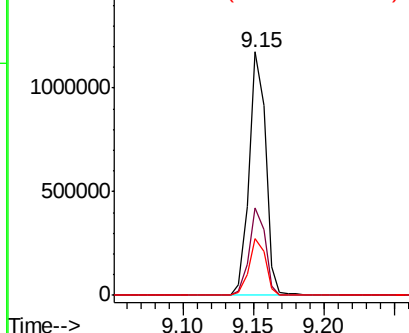
Tot Ion:	172	Resp:	972169
Ion Ratio	Lower	Upper	
172	100		
171	36.1	33.0	49.4
170	23.1	22.3	33.5

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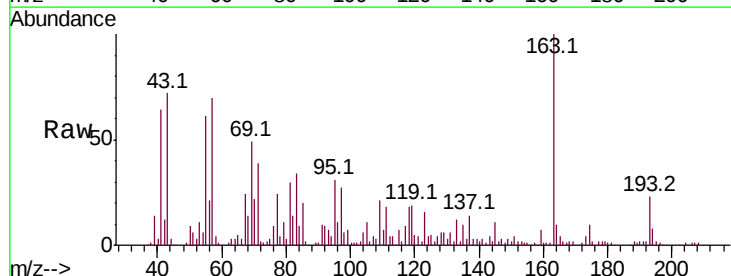
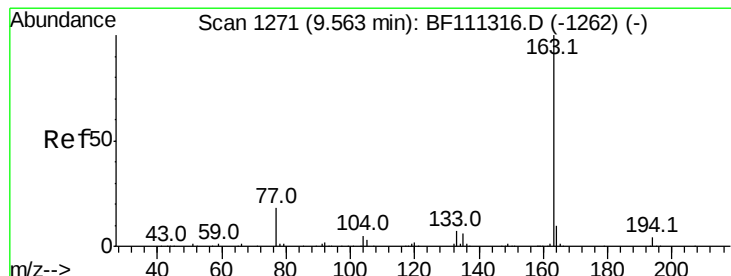
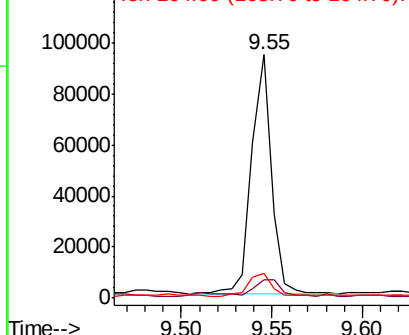
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

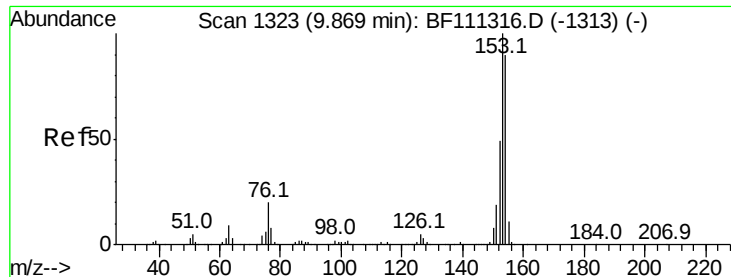


#50
Dimethylphthalate
Concen: 2.968 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:	163	Resp:	71120
Ion Ratio	Lower	Upper	
163	100		
194	7.7	3.0	4.6#
164	10.2	8.9	13.3

Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.221 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

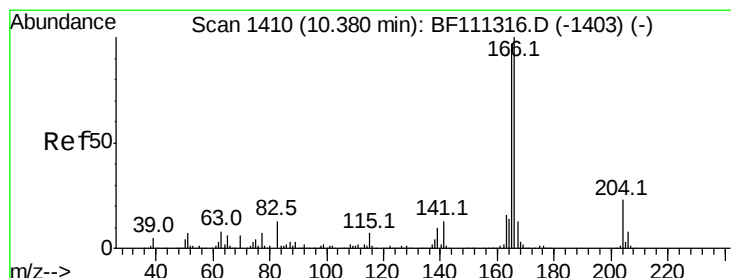
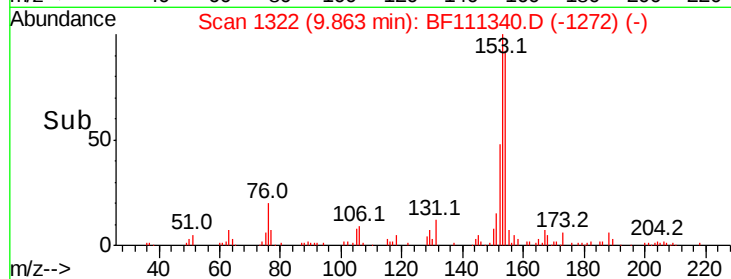
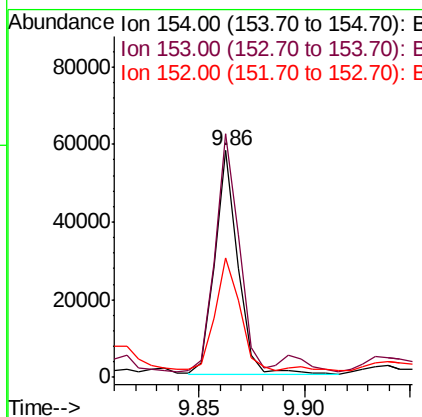
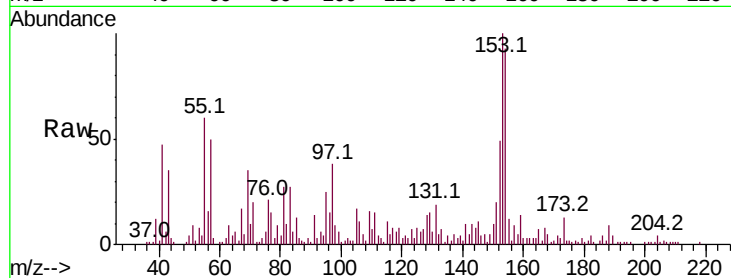
ClientSampleId :

HR-05-121118-C

Tot Ion:	154	Resp:	44567
Ion Ratio	Lower	Upper	
154	100		
153	107.4	87.8	131.8
152	53.0	43.4	65.2

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#58

Fluorene

Concen: 3.901 ng

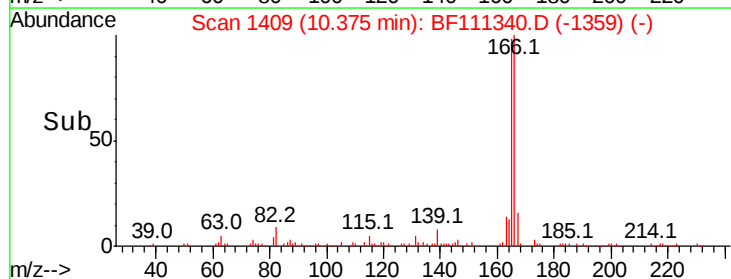
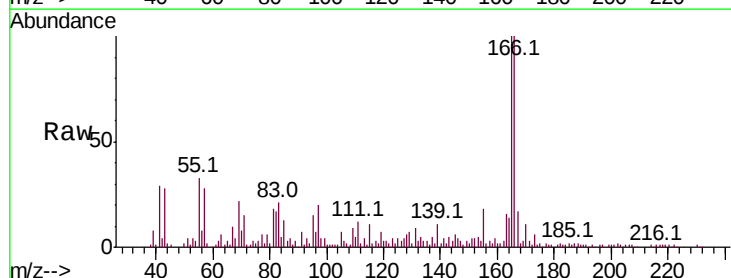
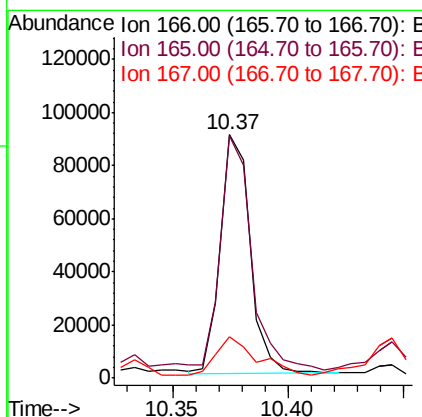
RT: 10.37 min Scan# 1409

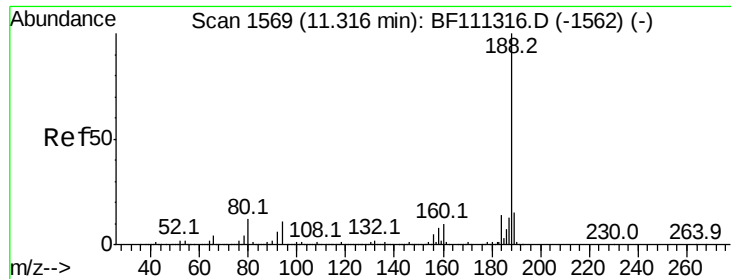
Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Tgt Ion:	166	Resp:	80833
Ion Ratio	Lower	Upper	
166	100		
165	99.7	78.4	117.6
167	17.1	11.2	16.8#





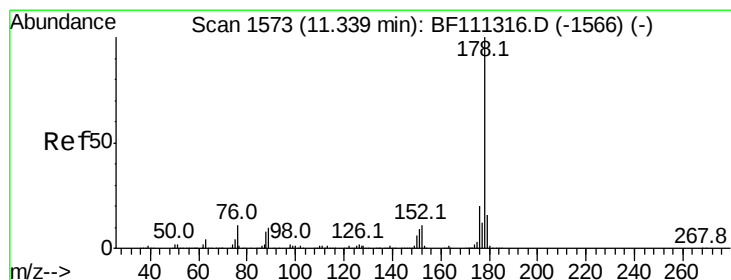
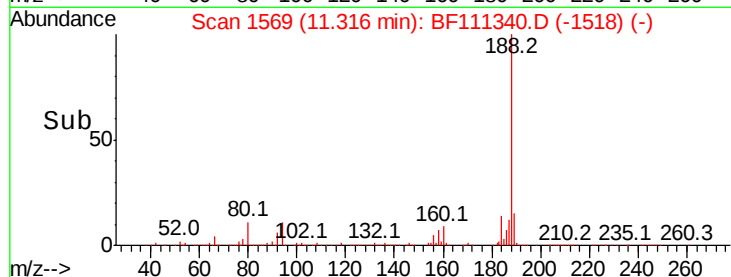
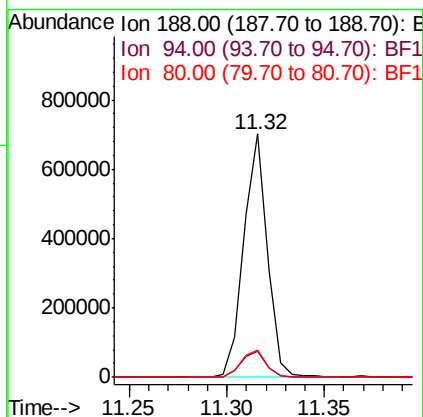
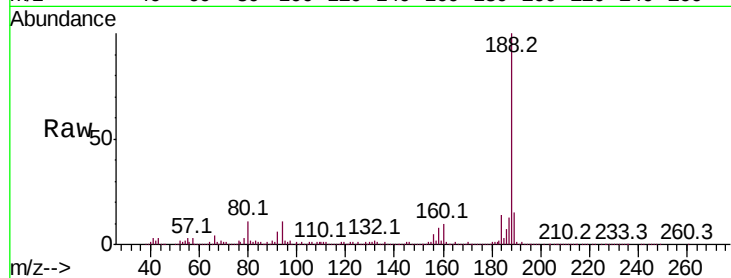
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	9.6	14.4
80	11.2	9.8	14.6

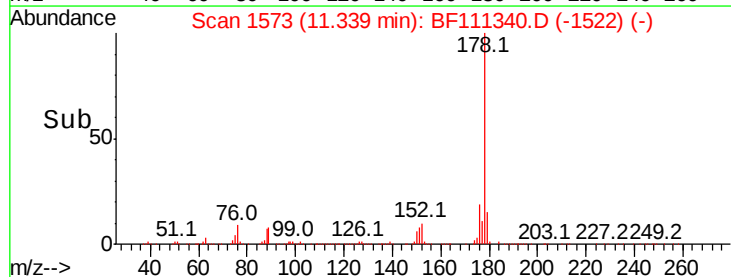
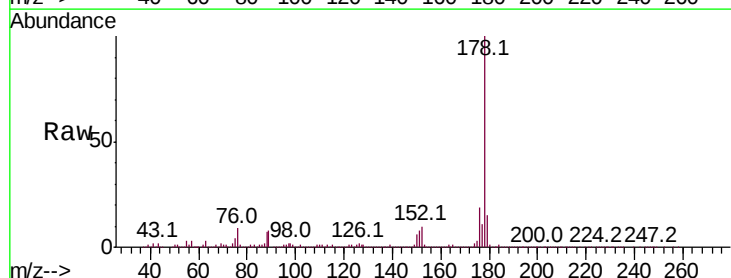
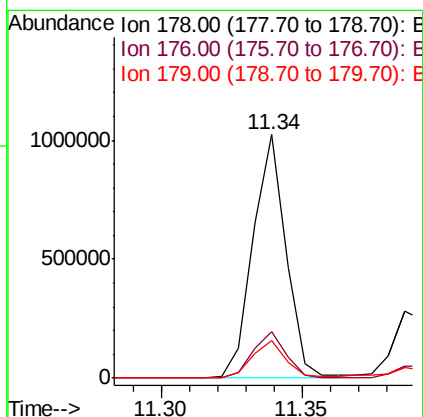
Manual Integrations
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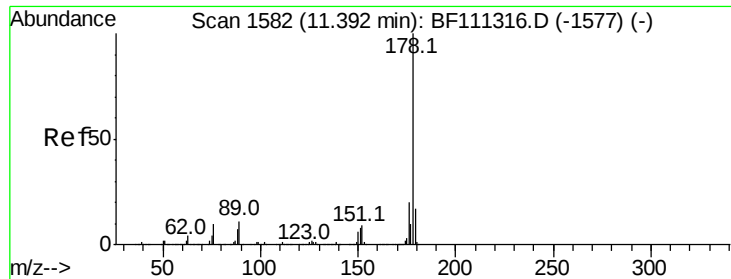
Sohil
12/13/2018 6:06:51 PM



#71
Phenanthrene
Concen: 27.270 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	18.1	27.1
179	15.3	14.0	21.0





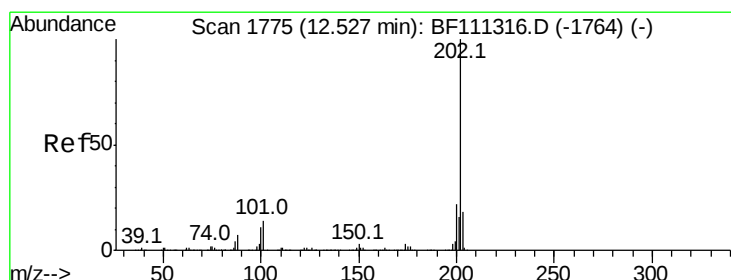
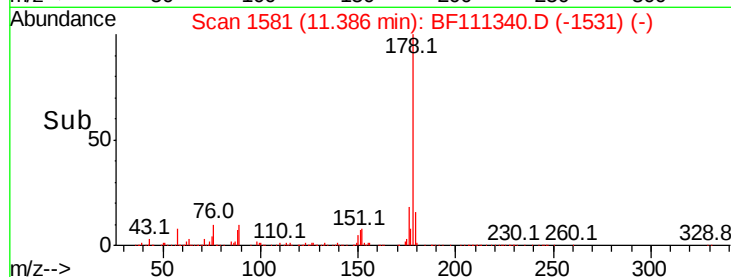
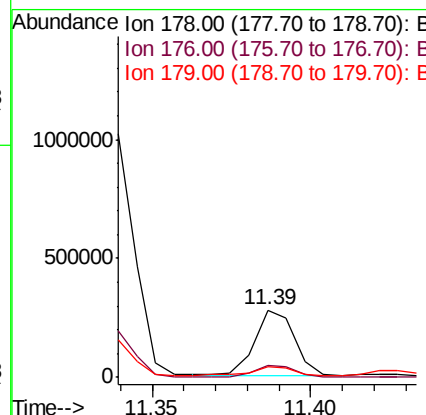
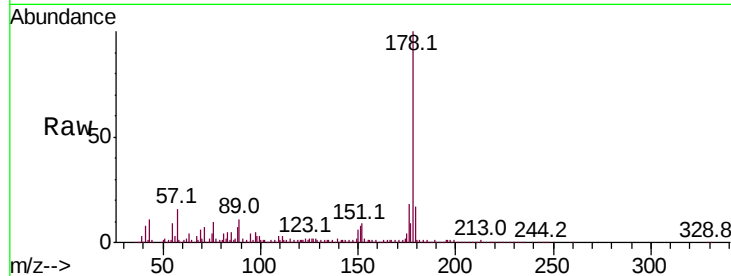
#72
 Anthracene
 Concen: 7.847 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	17.2	25.8
179	16.6	13.8	20.8

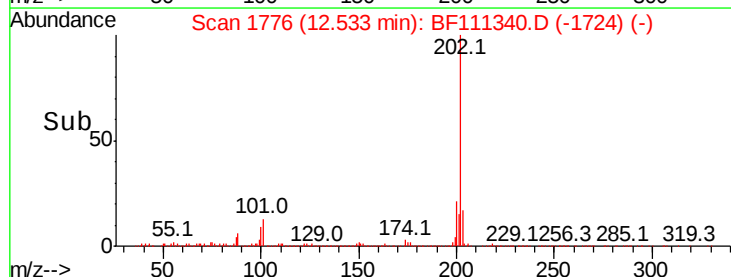
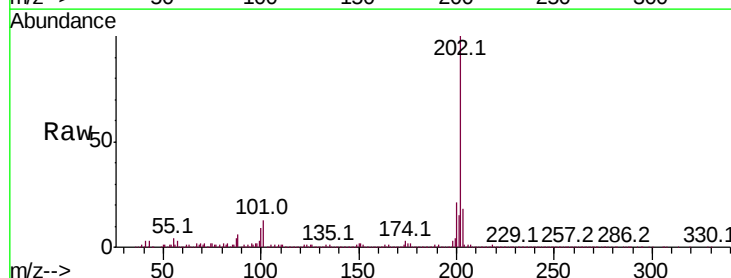
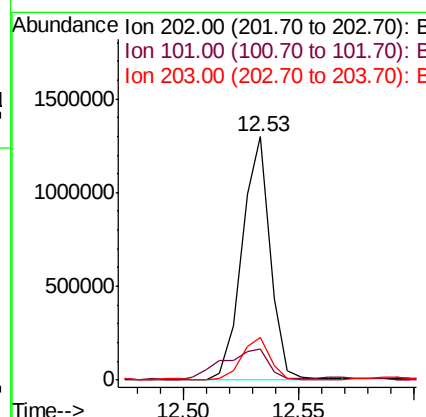
Manual Integrations
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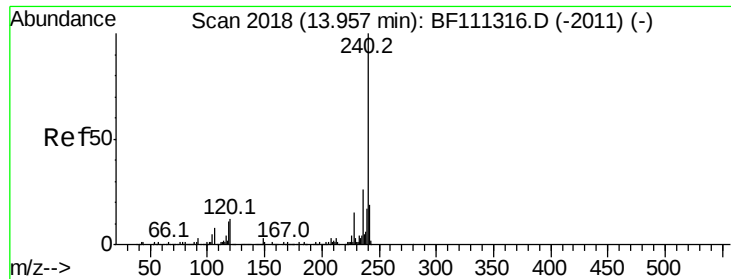
Sohil
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#75
 Fluoranthene
 Concen: 37.110 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.8
203	17.6	0.0	38.6





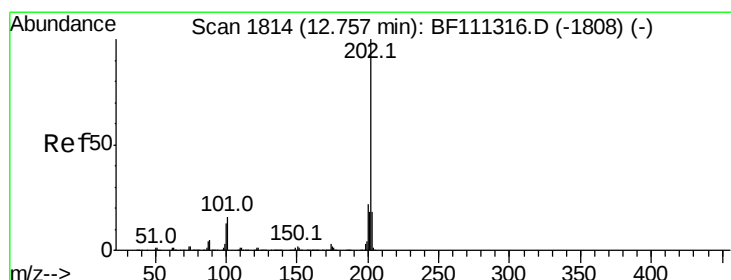
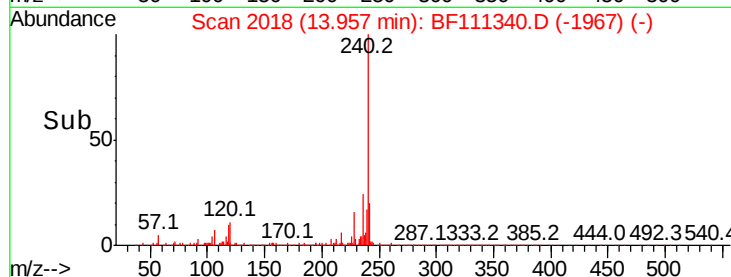
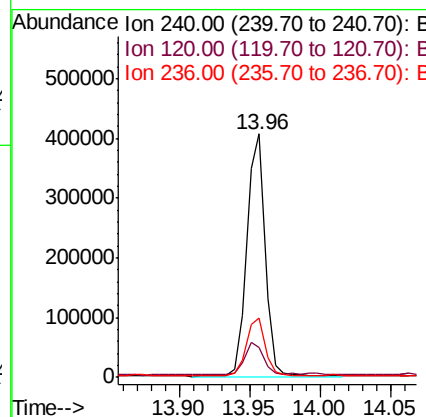
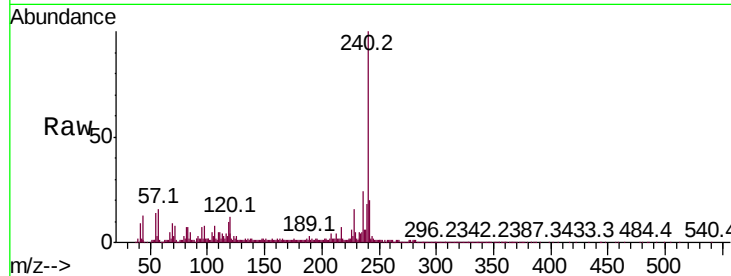
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	12.2	18.2
236	24.1	20.2	30.2

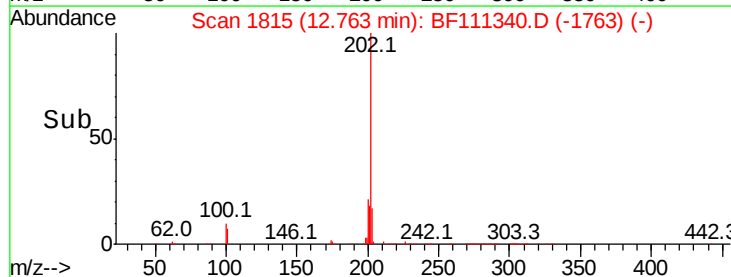
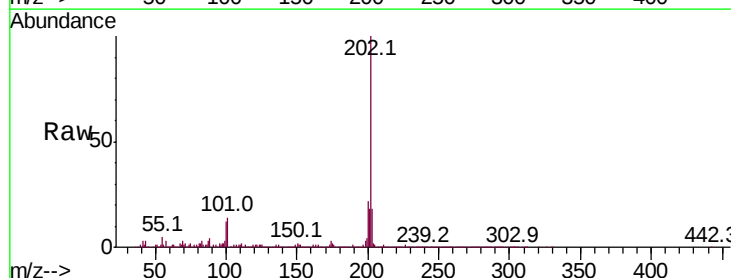
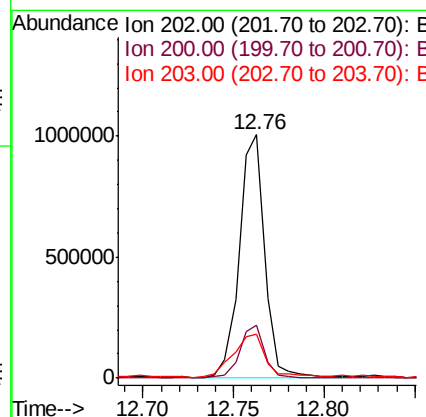
Manual Integrations
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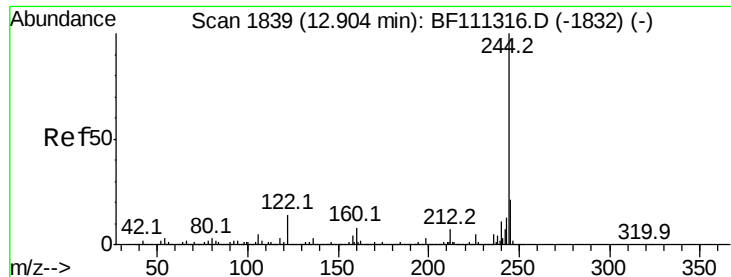
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#78
Pyrene
Concen: 34.354 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	19.0	28.4
203	18.0	15.2	22.8





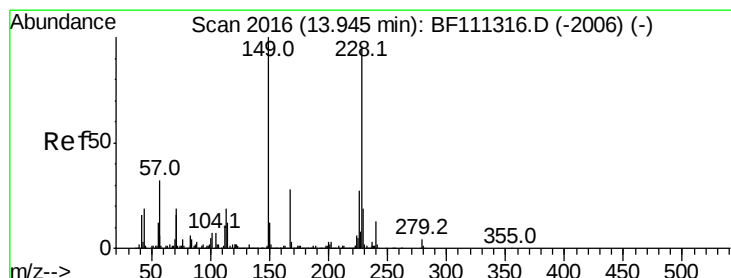
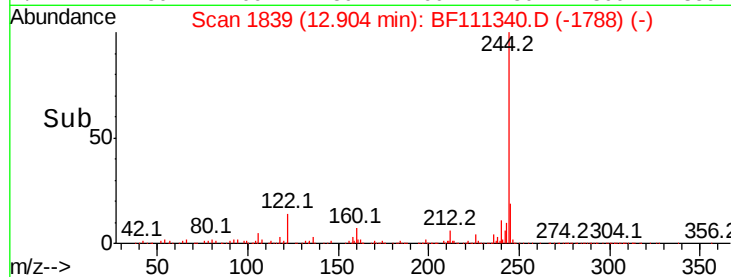
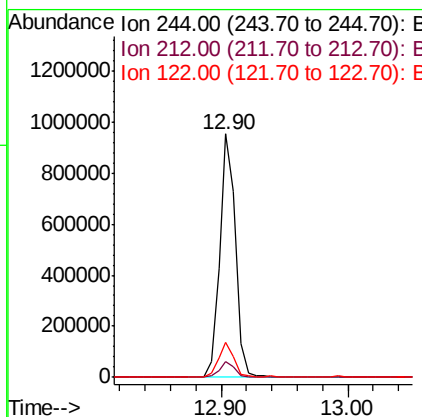
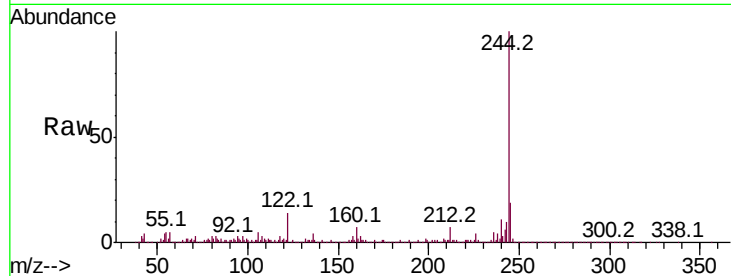
#79
 Terphenyl-d14
 Concen: 49.761 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	14.2	13.1	19.7

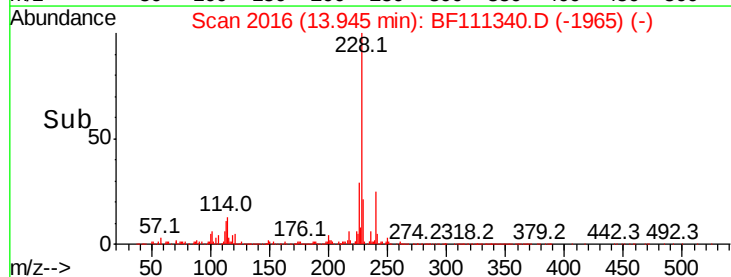
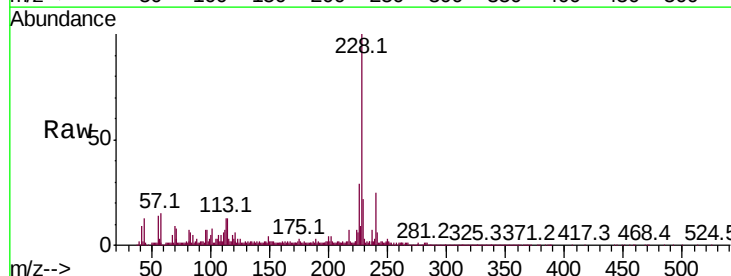
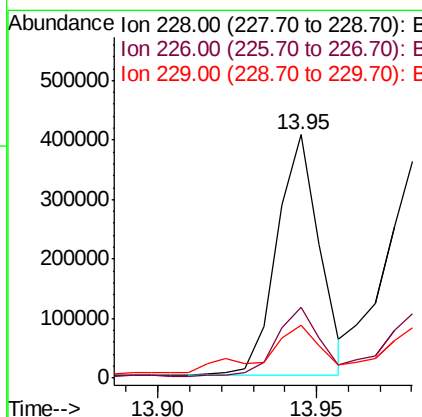
Manual Integrations
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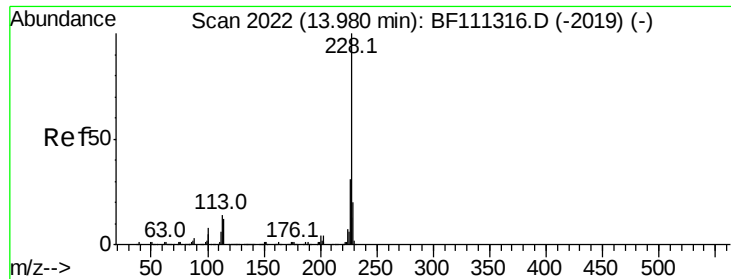
Sohil
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#81
 Benzo(a)anthracene
 Concen: 18.498 ng
 RT: 13.95 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	34.0
229	21.9	16.3	24.5





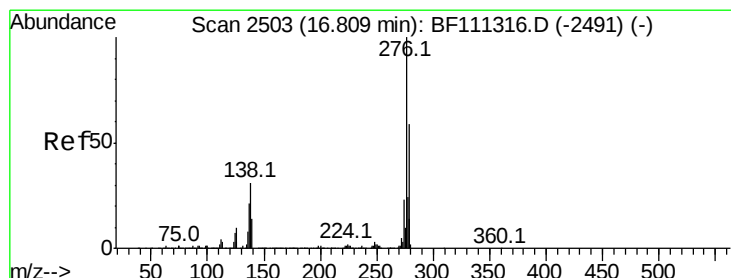
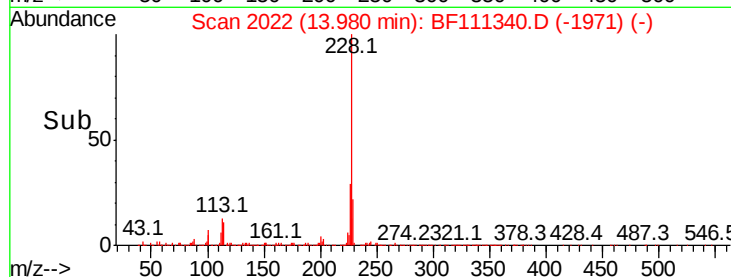
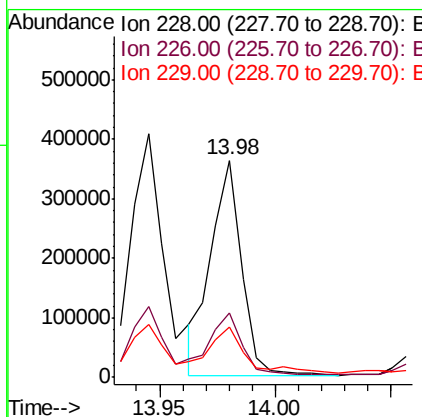
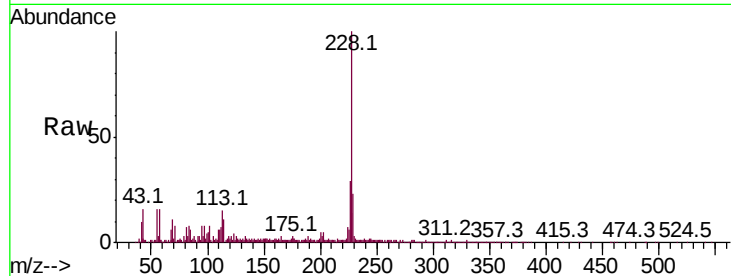
#83
Chrysene
Concen: 15.916 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.3	37.9
229	23.4	17.2	25.8

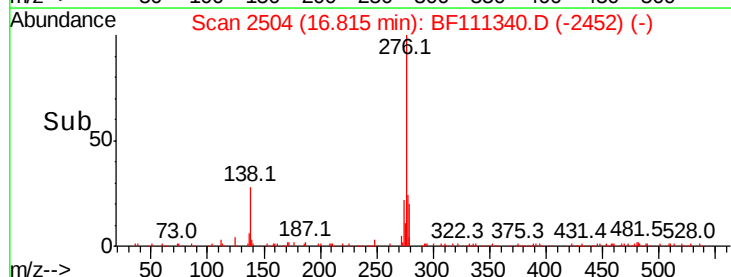
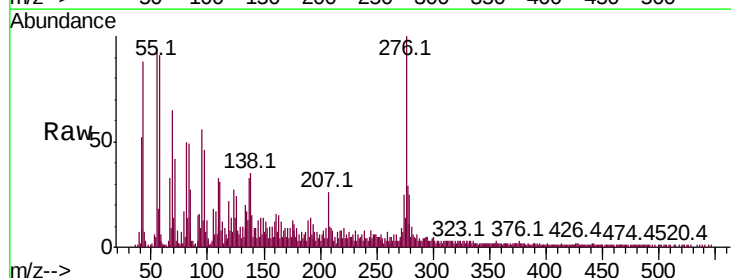
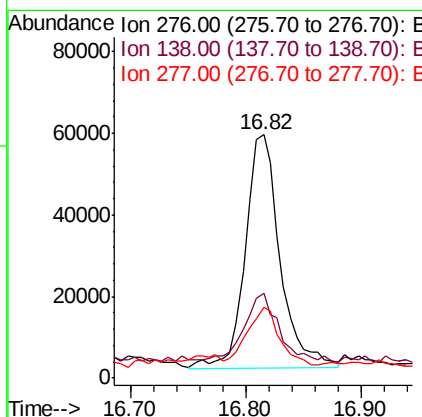
Manual Integrations
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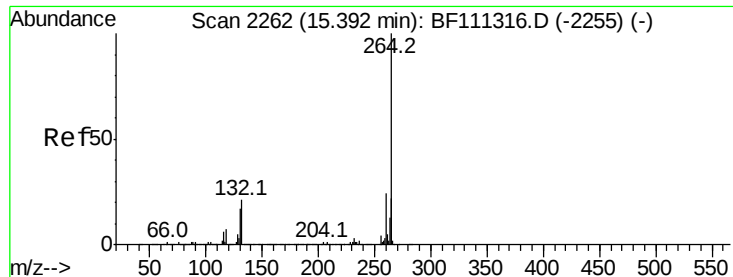
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.294 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	22.8	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

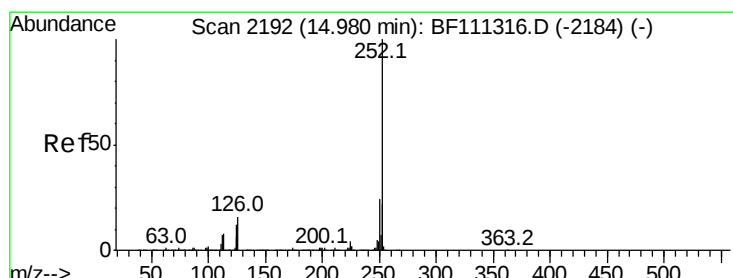
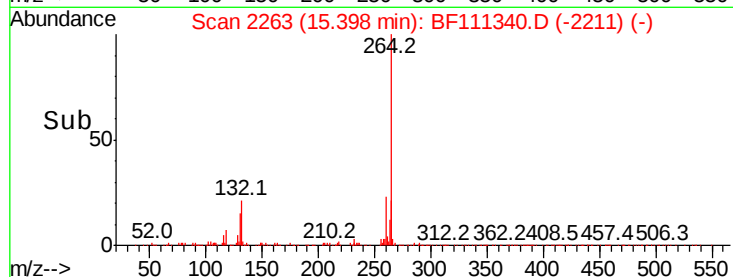
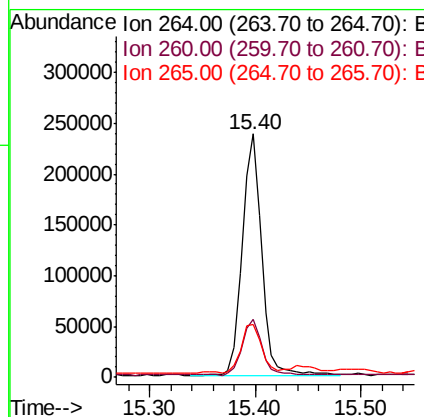
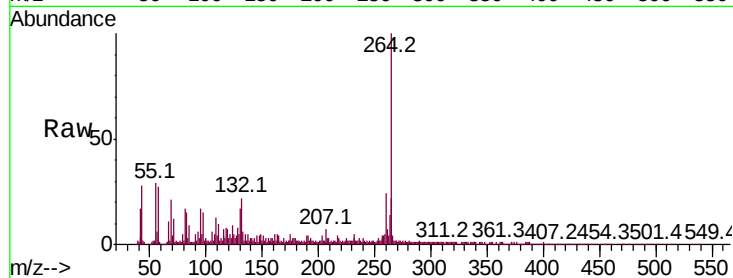
ClientSampleId :

HR-05-121118-C

Tot Ion:	264	Resp:	297166
Ion Ratio		Lower	Upper
264	100		
260	23.6	18.3	27.5
265	22.0	17.7	26.5

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 19.610 ng m

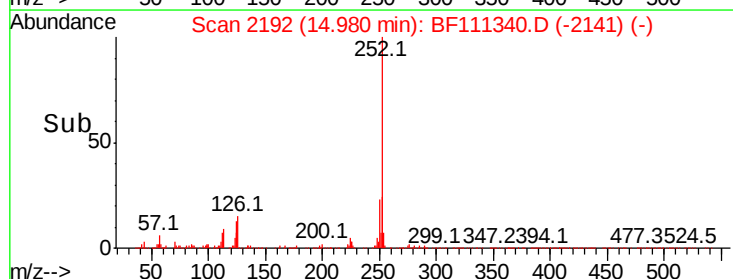
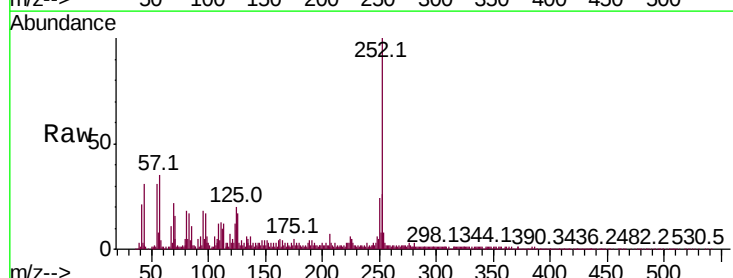
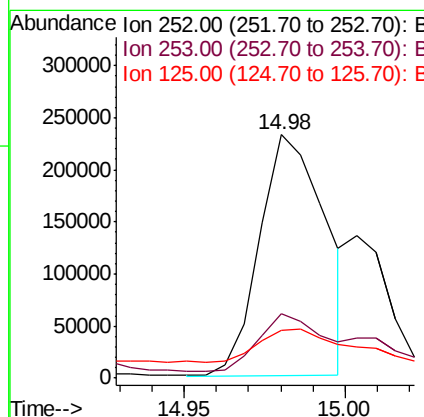
RT: 14.98 min Scan# 2192

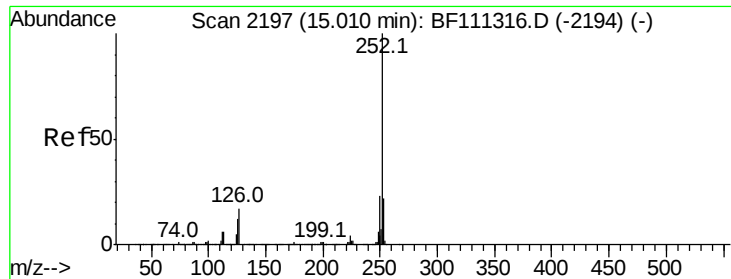
Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Tgt Ion:	252	Resp:	331361
Ion Ratio		Lower	Upper
252	100		
253	26.2	18.2	27.2
125	19.7	10.4	15.6#





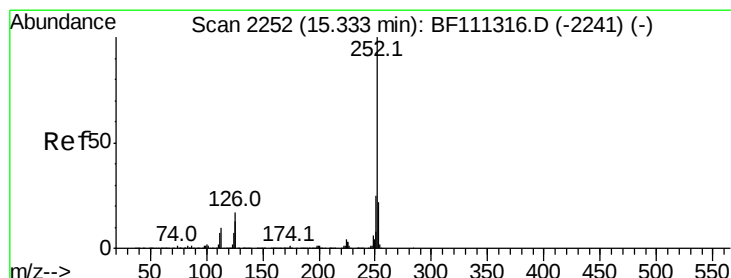
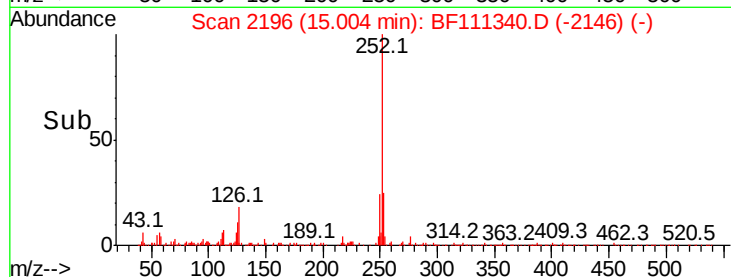
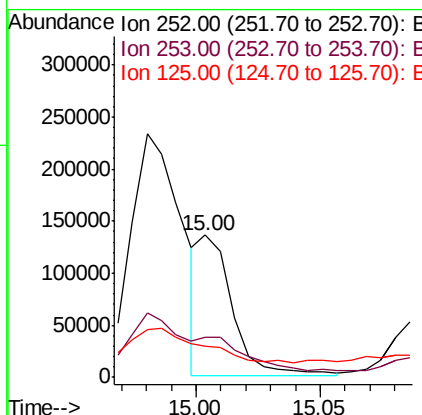
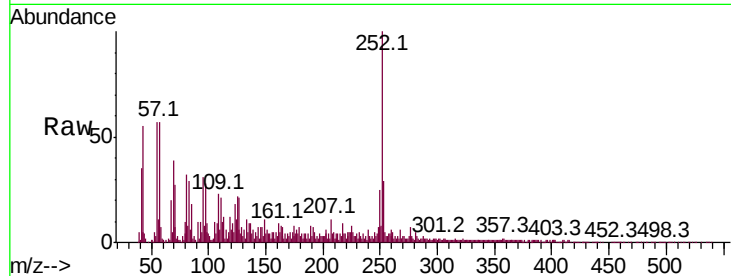
#89
Benzo(k)fluoranthene
Concen: 7.513 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.1	27.1#
125	21.8	9.8	14.8#

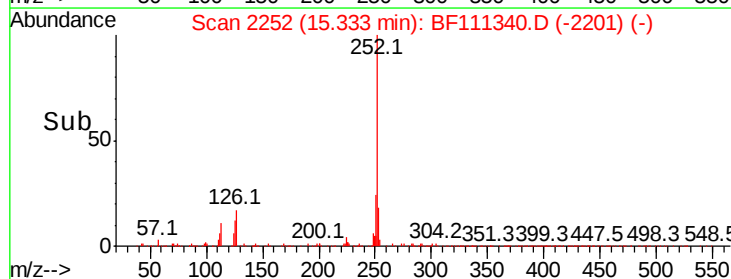
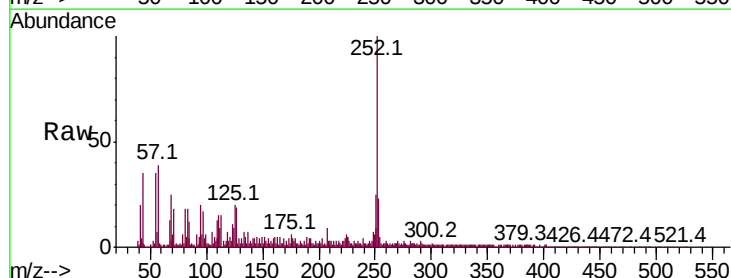
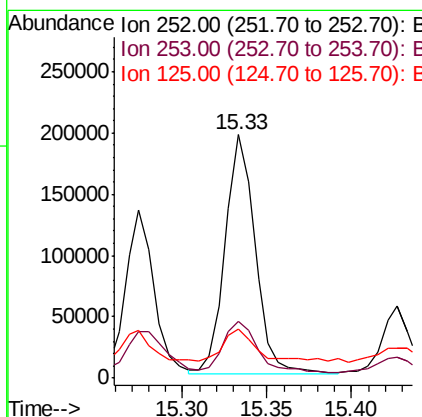
Manual Integrations
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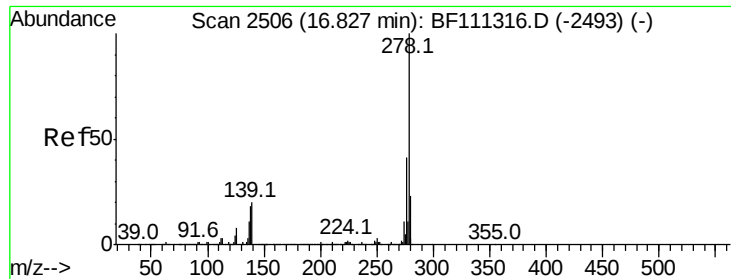
Sohil
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#90
Benzo(a)pyrene
Concen: 15.402 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	20.2	12.3	18.5#





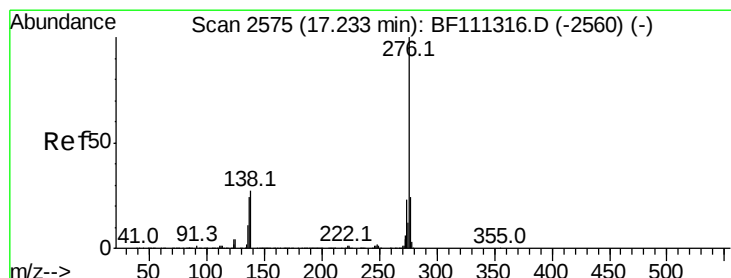
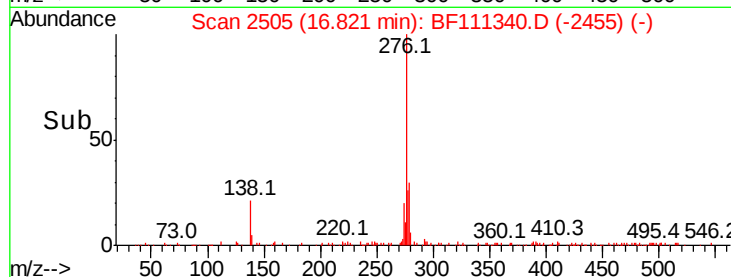
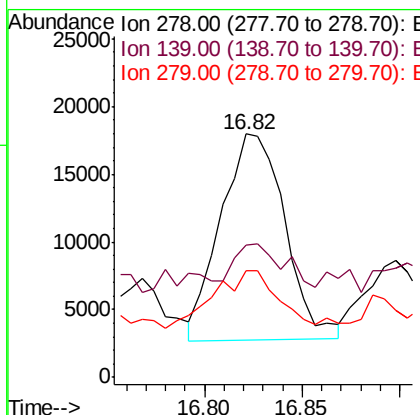
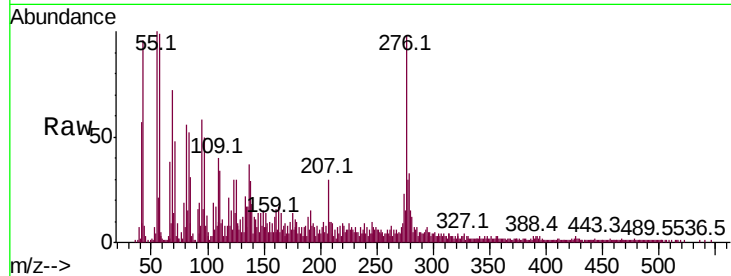
#91
Dibenzo(a,h)anthracene
Concen: 2.652 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	54.5	18.2	27.4#
279	44.0	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.058 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.2	28.8
138	35.0	24.9	37.3

