

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111558.D
 Acq On : 18 Dec 2018 00:08
 Operator : JU/SJ
 Sample : J6403-37
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-B

Manual Integrations
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 12/18/2018 12:49:43 PM

Quant Time: Dec 18 07:04:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	202576	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	829211	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	376355	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	600939	20.00	ng	0.00
76) Chrysene-d12	13.94	240	388168	20.00	ng	0.00
87) Perylene-d12	15.39	264	350138	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1046741	85.98	ng	0.00
7) Phenol-d6	6.44	99	1699733	104.97	ng	0.00
23) Nitrobenzene-d5	7.35	82	1024485	73.57	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	322904	95.78	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1551410	63.67	ng	-0.01
79) Terphenyl-d14	12.89	244	1111794	67.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	98207	5.444	ng	89
50) Dimethylphthalate	9.54	163	265430	9.793	ng	97
52) Acenaphthene	9.86	154	175123	7.701	ng	97
58) Fluorene	10.37	166	108832	4.546	ng	96
71) Phenanthrene	11.33	178	616389	19.906	ng	94
72) Anthracene	11.38	178	124017	3.916	ng	95
75) Fluoranthene	12.52	202	640781	21.153	ng	98
78) Pyrene	12.75	202	581121	21.234	ng	95
81) Benzo(a)anthracene	13.93	228	263003	12.461	ng	99
83) Chrysene	13.97	228	251198	11.298	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	95290	5.938	ng	96
88) Benzo(b)fluoranthene	14.97	252	290403m	14.226	ng	
89) Benzo(k)fluoranthene	14.99	252	107364m	5.504	ng	
90) Benzo(a)pyrene	15.32	252	212836	11.562	ng	99
92) Benzo(a,h,i)perylene	17.22	276	87820	6.161	ng	96

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

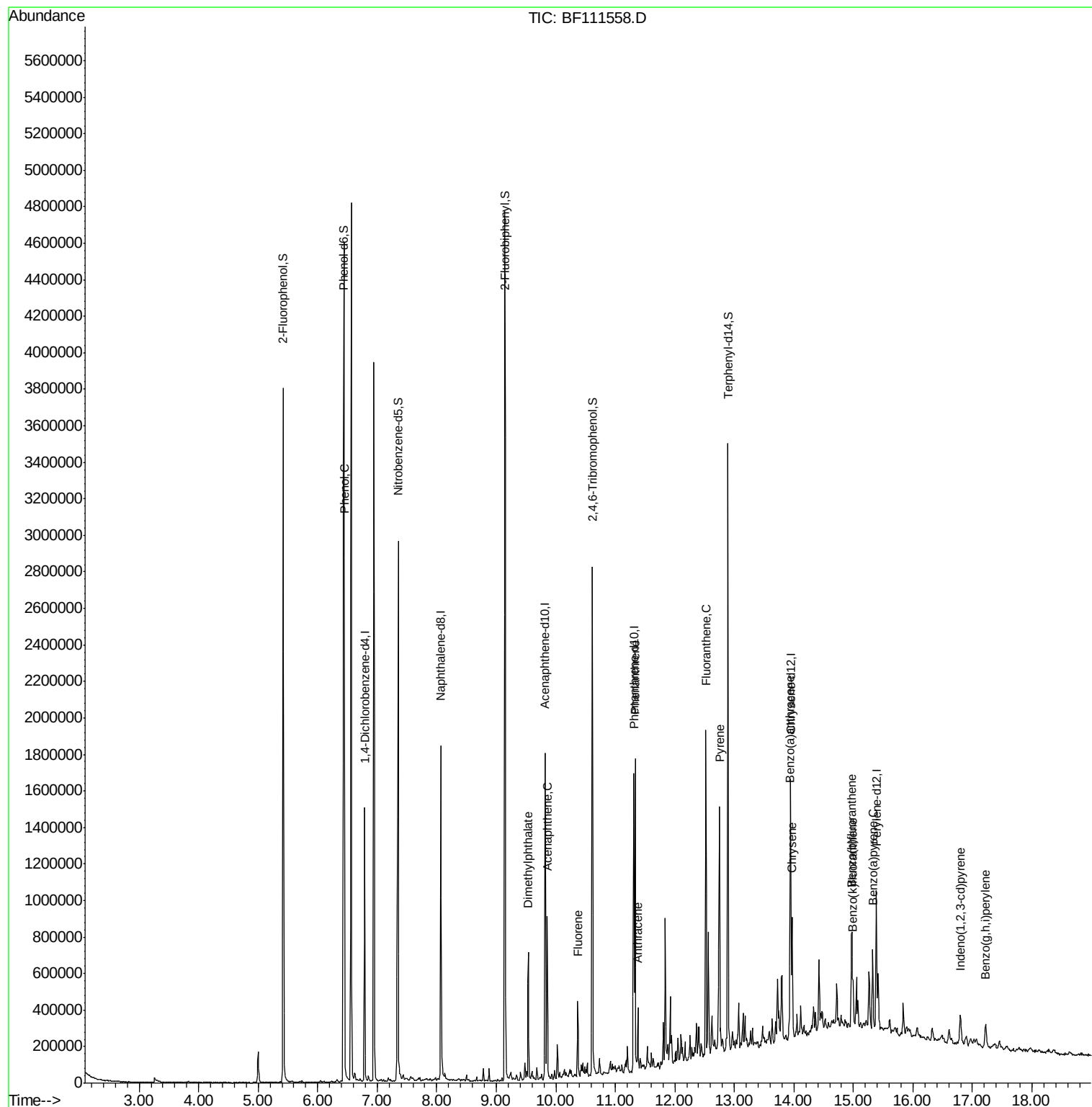
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111558.D
Acq On : 18 Dec 2018 00:08
Operator : JU/SJ
Sample : J6403-37
Misc :
ALS Vial : 19 Sample Multiplier: 1

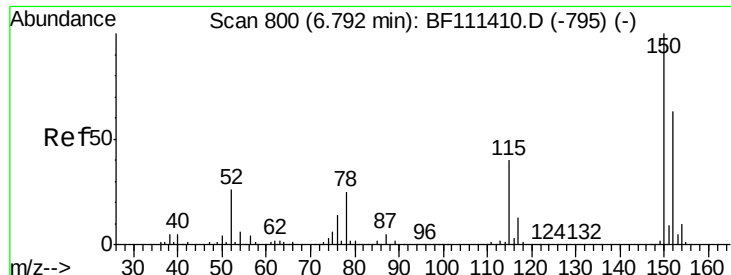
Instrument :
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TP-5-B

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

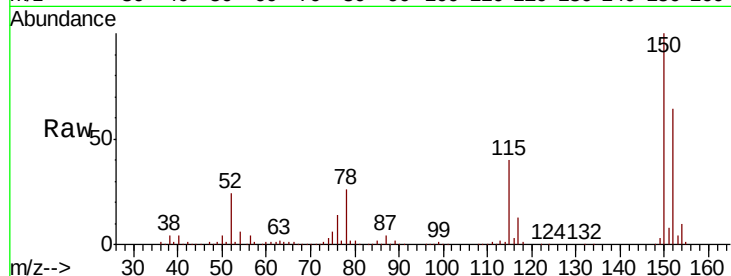
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Instrument :
BNA_F
ClientSampleId :
TP-5-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.6	189.8
115	62.0	50.7	76.1

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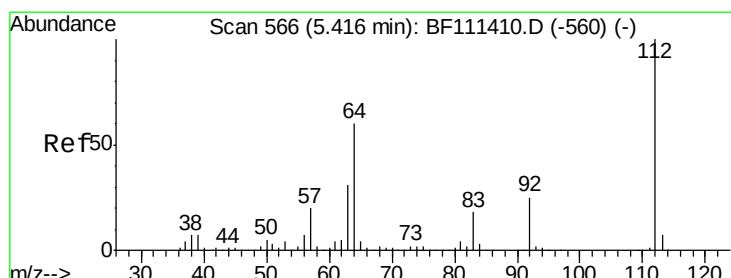
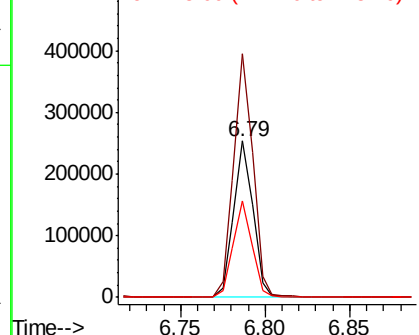
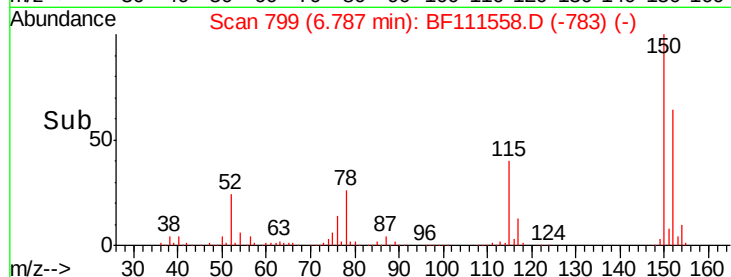


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

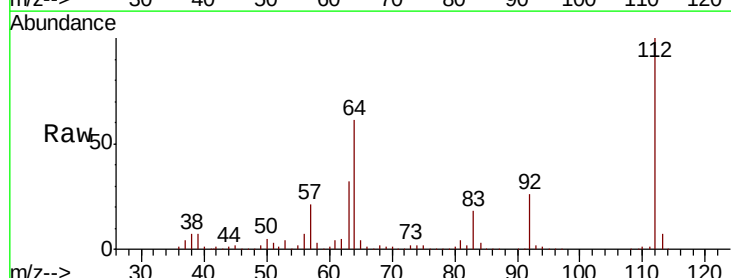
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.984 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	51.8	77.6
63	32.2	26.8	40.2

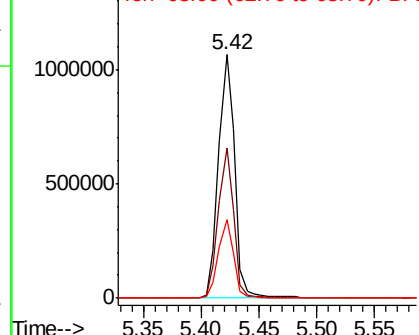
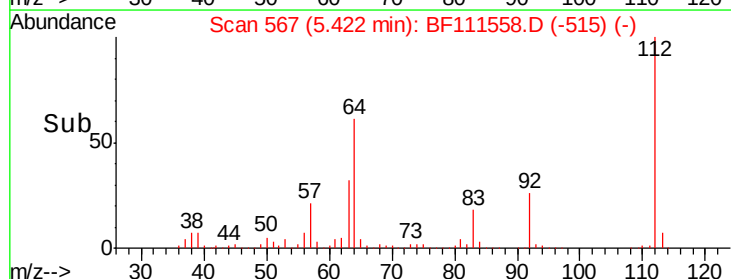


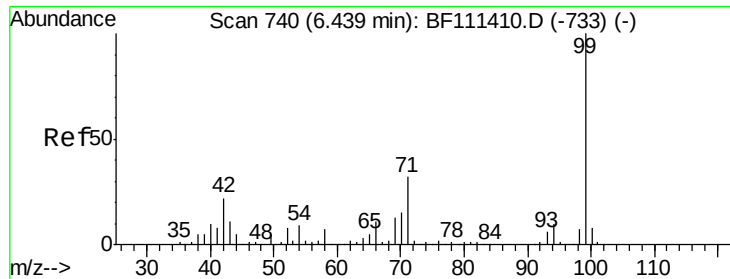
Abundance

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: 104.967 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampled :

TP-5-B

Tot Ion: 99 Resp: 1699733

Ion Ratio Lower Upper

99 100

42 20.4 17.4 26.0

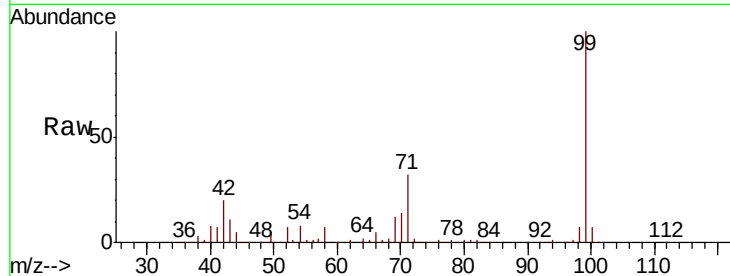
71 32.3 26.1 39.1

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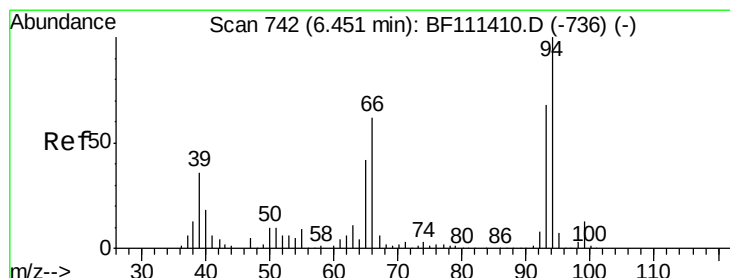
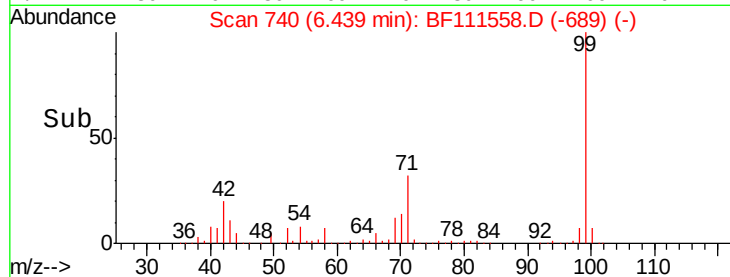
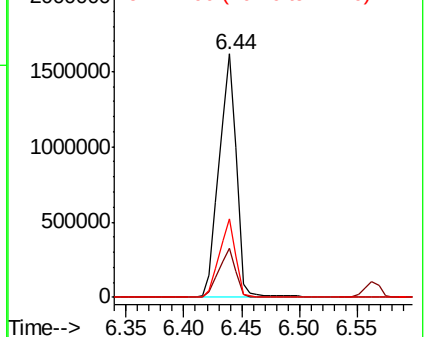
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.444 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

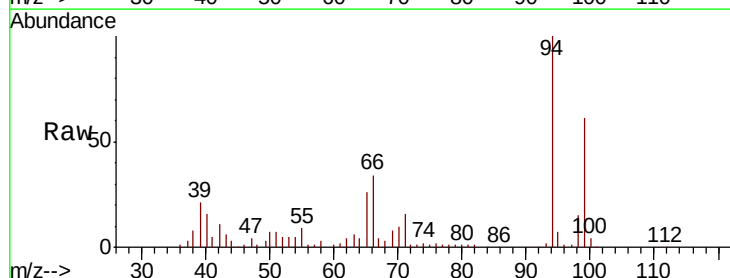
Tgt Ion: 94 Resp: 98207

Ion Ratio Lower Upper

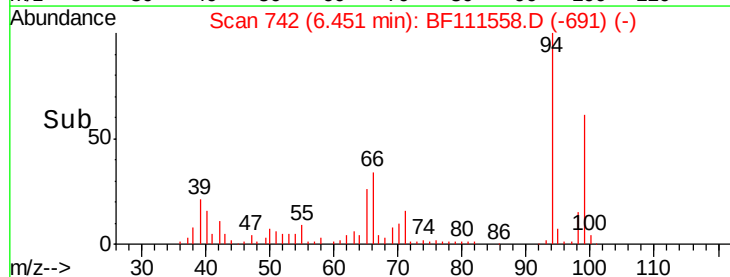
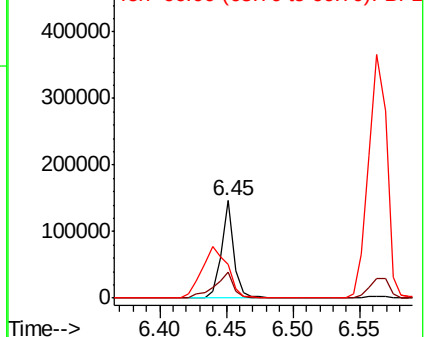
94 100

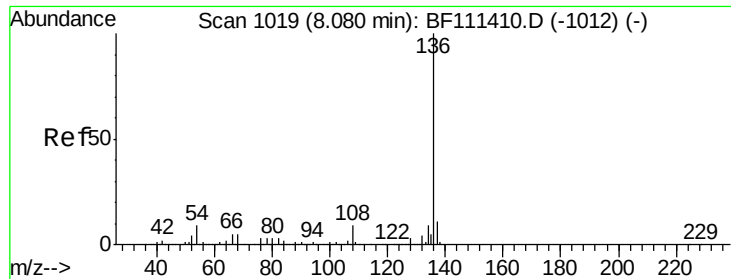
65 26.3 11.7 51.7

66 34.0 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





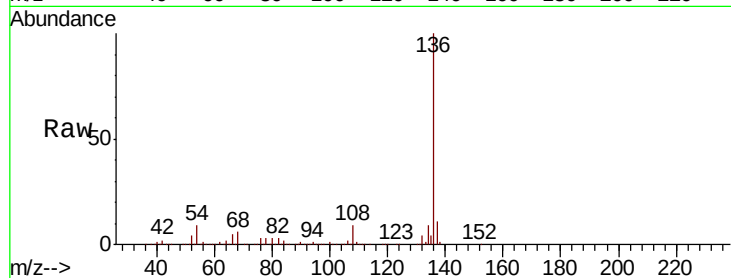
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Instrument :
BNA_F
ClientSampleId :
TP-5-B

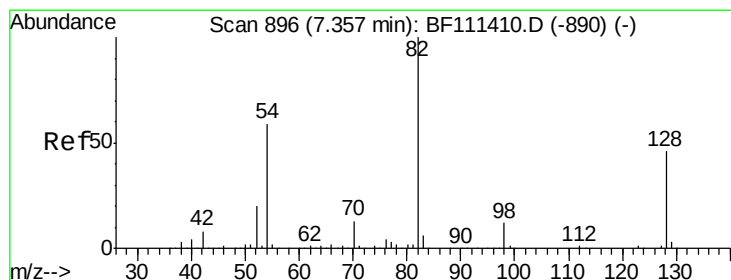
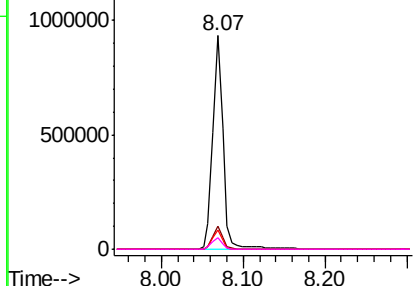
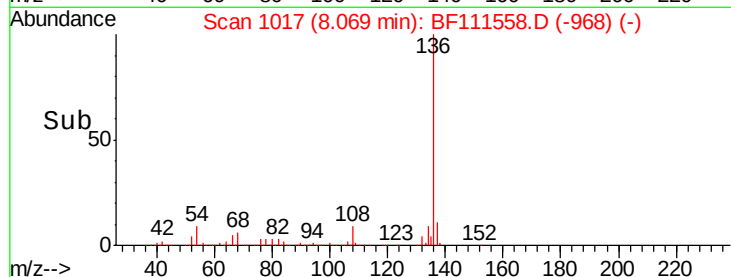
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.8	7.7	11.5
68	5.7	4.9	7.3

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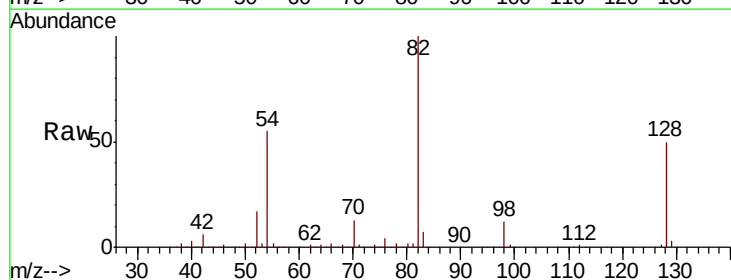


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

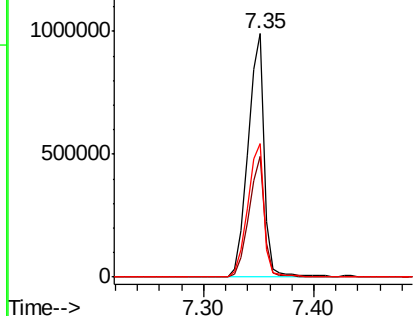
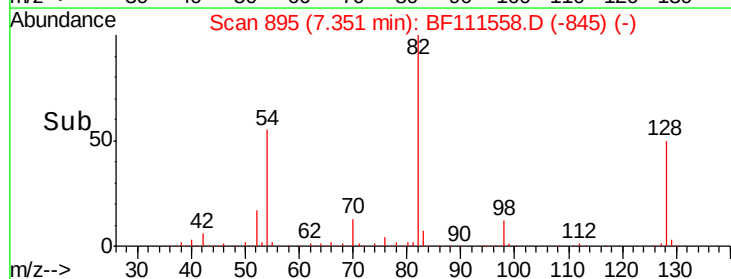


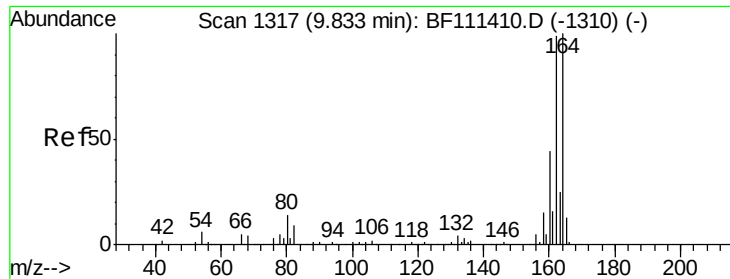
#23
Nitrobenzene-d5
Concen: 73.572 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.6	37.4	56.2
54	54.8	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





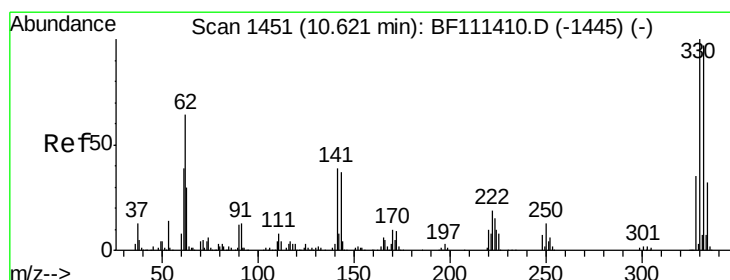
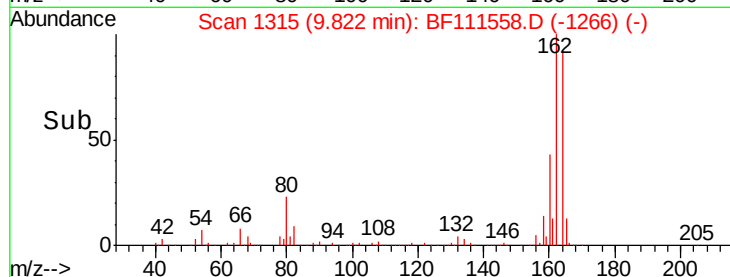
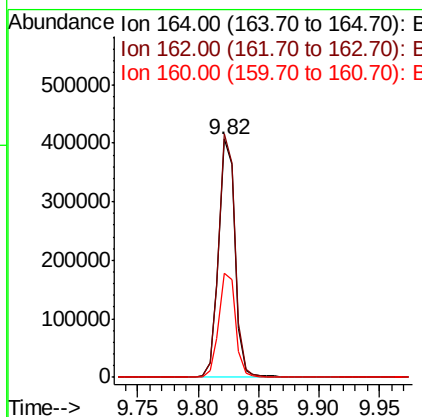
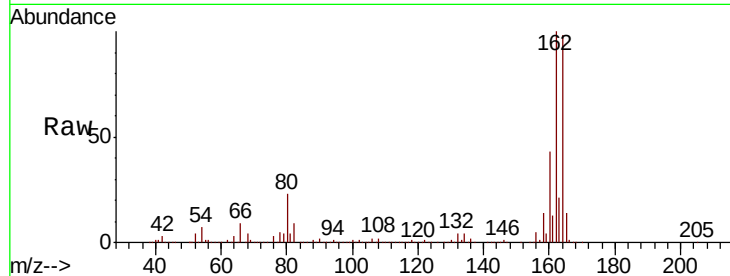
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Instrument :
BNA_F
ClientSampled :
TP-5-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	81.4	122.0	
160	43.5	35.7	53.5	

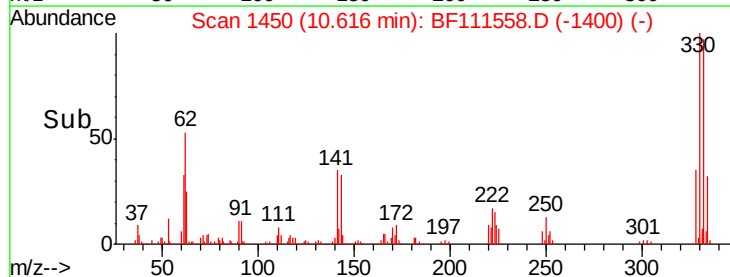
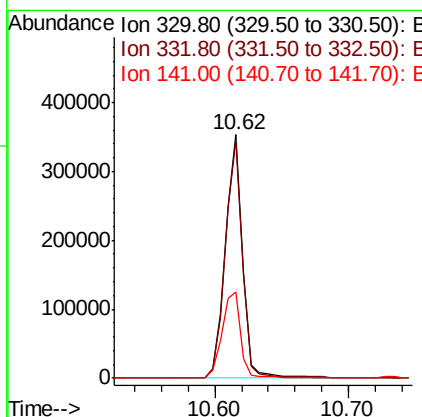
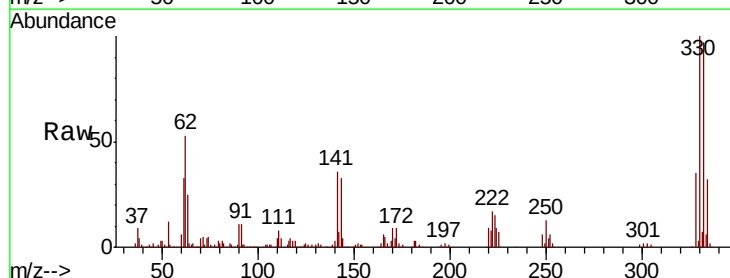
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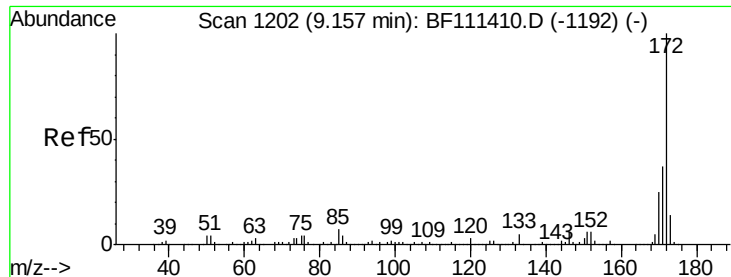
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#42
2,4,6-Tribromophenol
Concen: 95.779 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.0	114.0	
141	39.1	31.0	46.6	





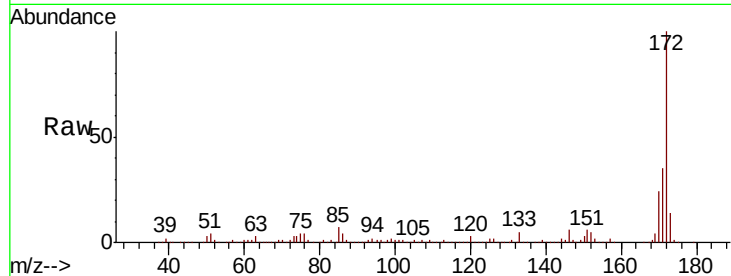
#45
2-Fluorobiphenyl
Concen: 63.673 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Instrument :
BNA_F
ClientSampleId :
TP-5-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	33.0	49.4
170	23.9	22.3	33.5

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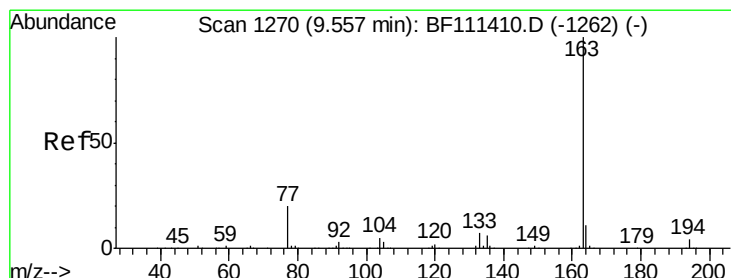
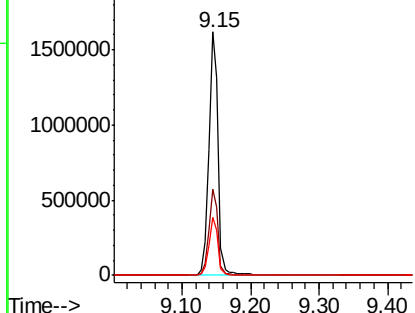
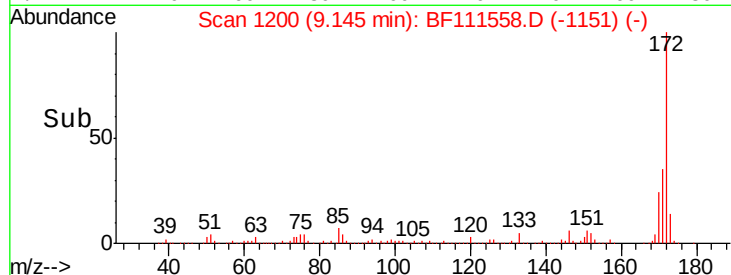


Abundance

Ion 172.00 (171.70 to 172.70): E

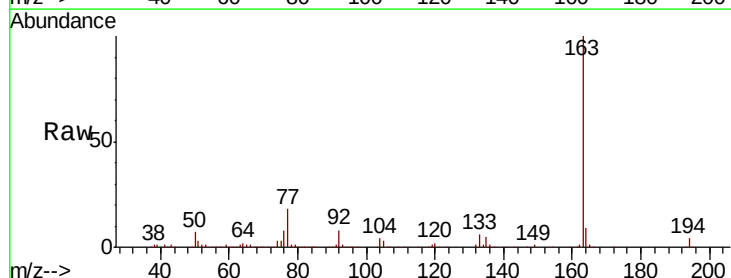
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.793 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.4	8.9	13.3

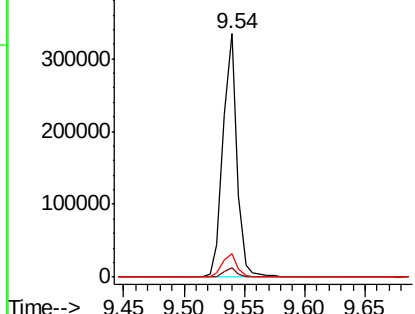
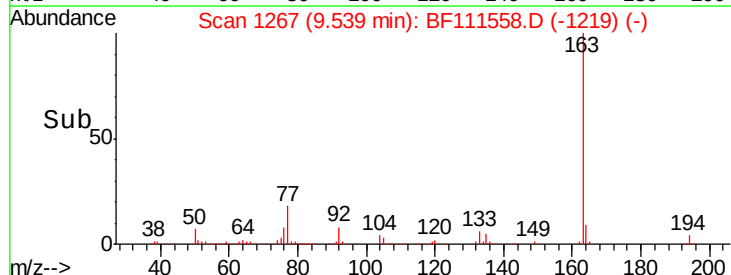


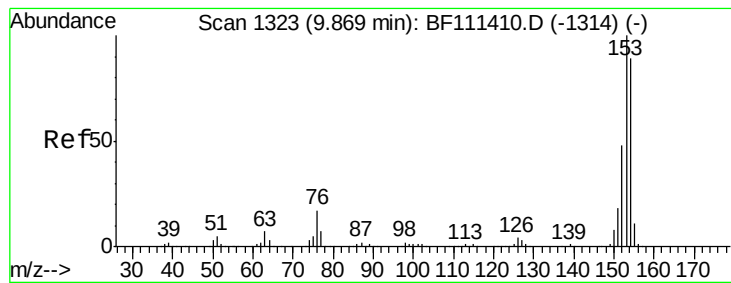
Abundance

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: 7.701 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

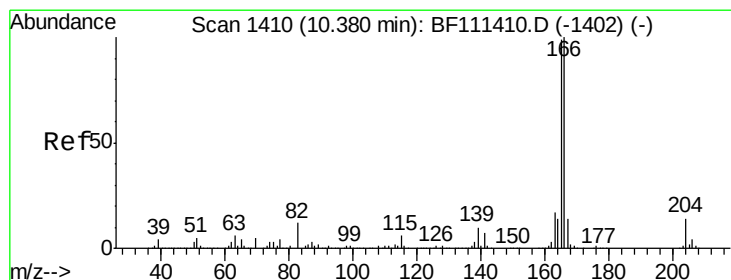
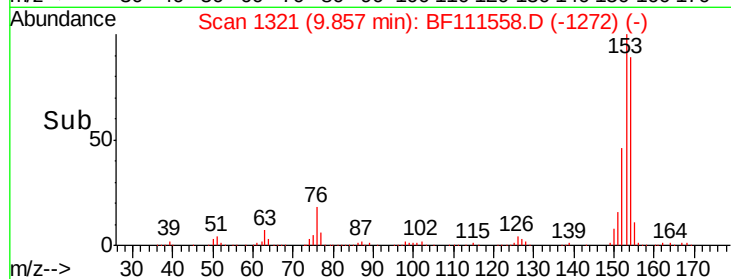
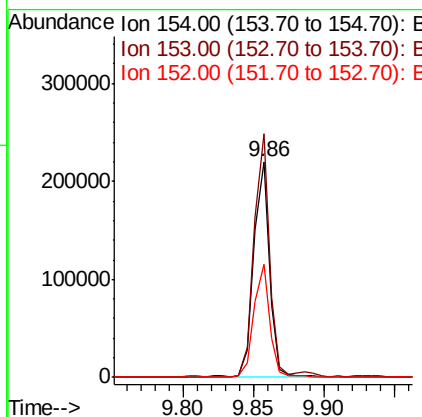
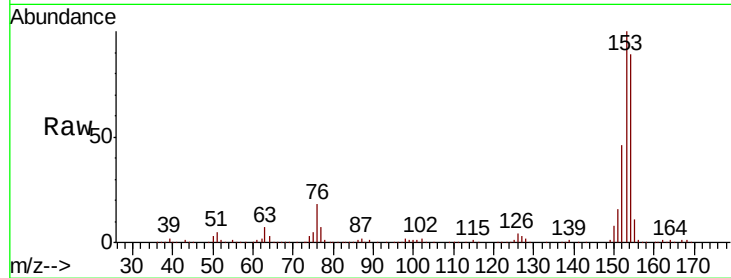
ClientSampled :

TP-5-B

Tot Ion:	154	Resp:	175123
Ion Ratio	Lower	Upper	
154	100		
153	112.8	87.8	131.8
152	52.3	43.4	65.2

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#58

Fluorene

Concen: 4.546 ng

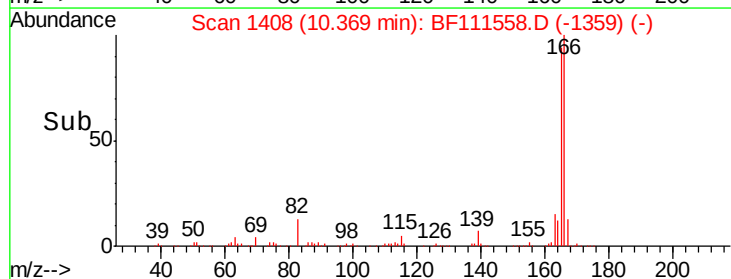
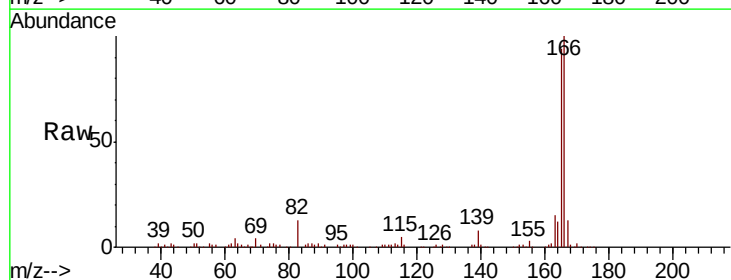
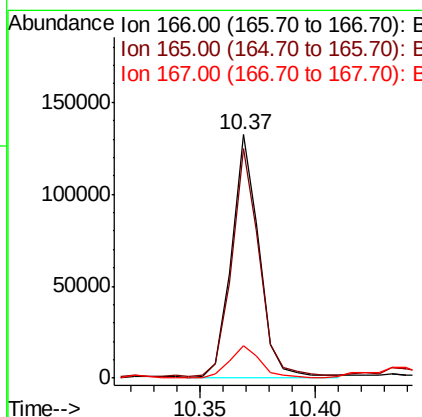
RT: 10.37 min Scan# 1408

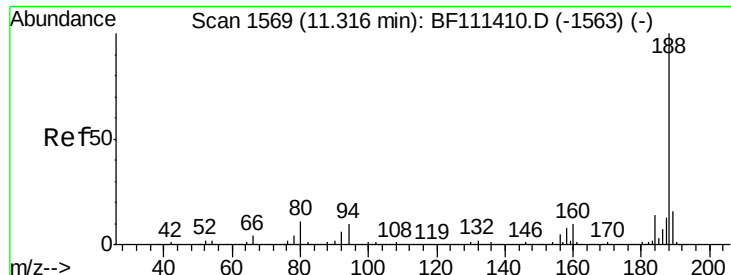
Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Tgt Ion:	166	Resp:	108832
Ion Ratio	Lower	Upper	
166	100		
165	94.1	78.4	117.6
167	13.5	11.2	16.8





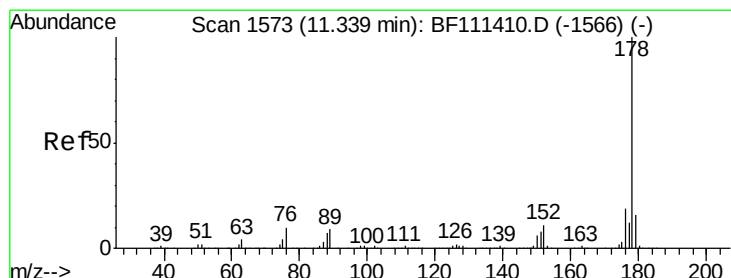
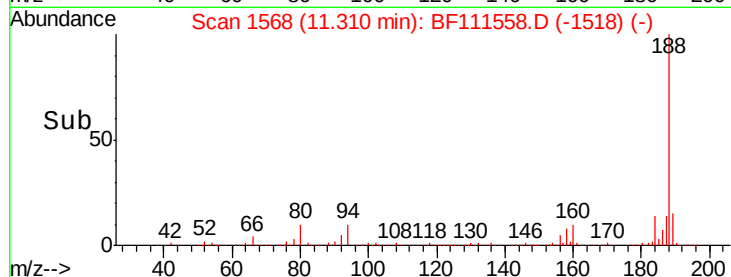
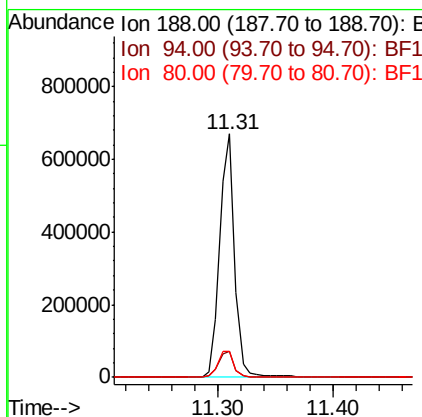
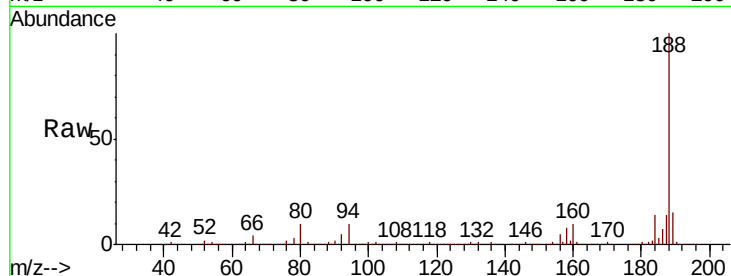
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Instrument :
BNA_F
ClientSampleId :
TP-5-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	600939		
94	10.5		9.6	14.4
80	10.5		9.8	14.6

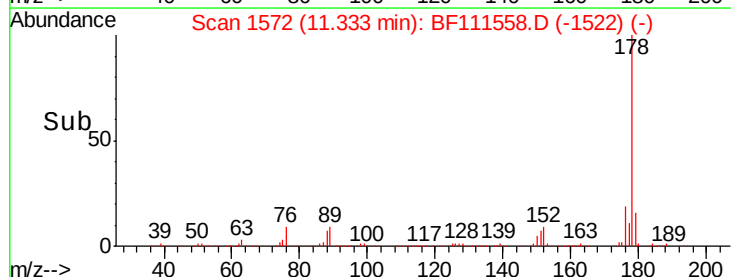
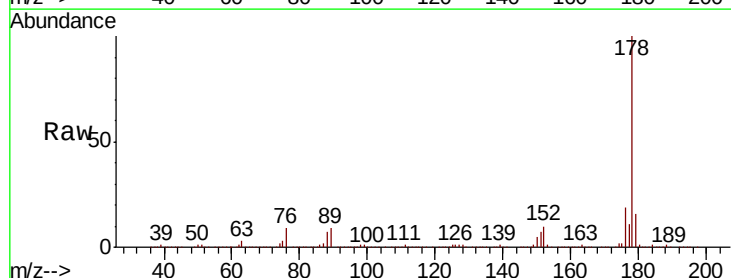
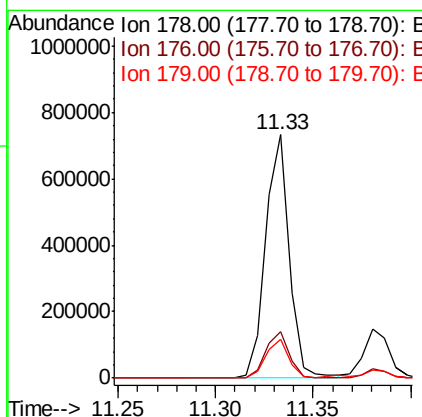
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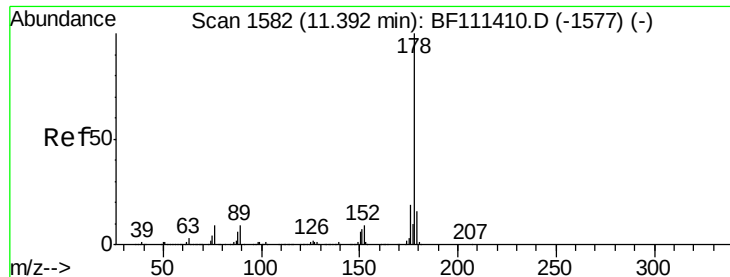
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#71
Phenanthrene
Concen: 19.906 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	616389		
176	18.9		18.1	27.1
179	15.8		14.0	21.0





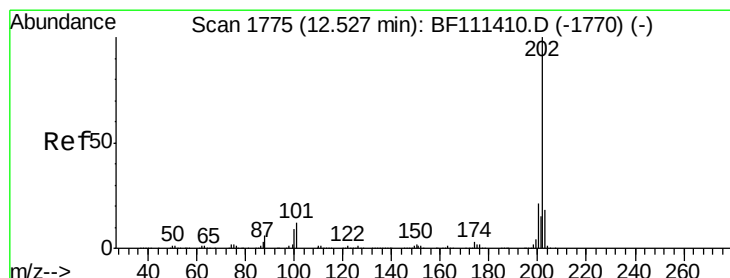
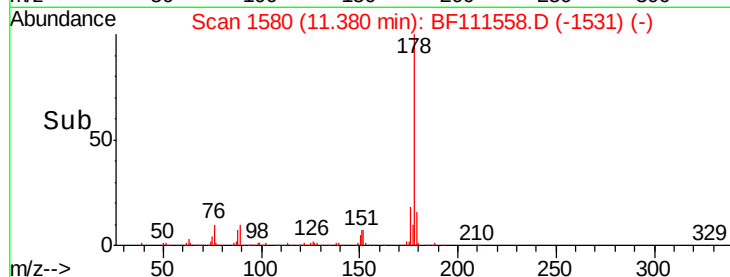
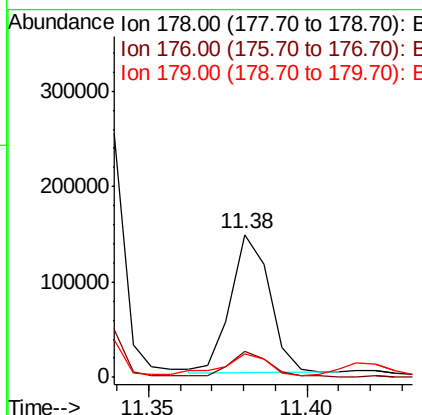
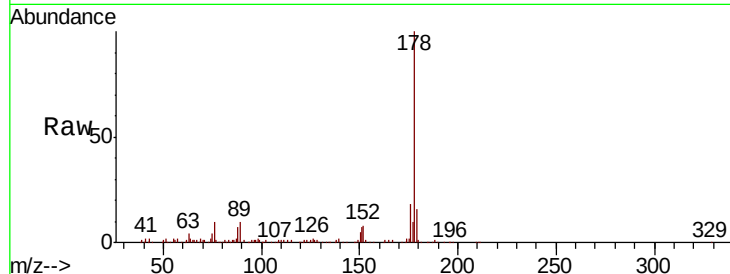
#72
 Anthracene
 Concen: 3.916 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Instrument :
 BNA_F
 ClientSampled :
 TP-5-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	17.2	25.8
179	16.1	13.8	20.8

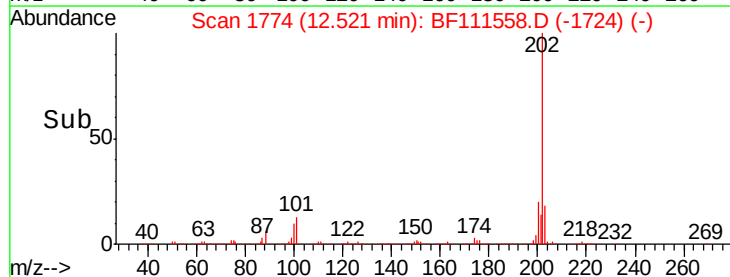
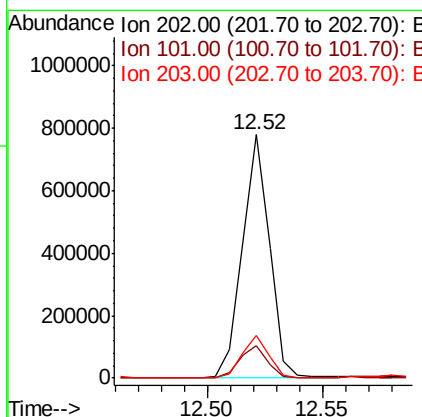
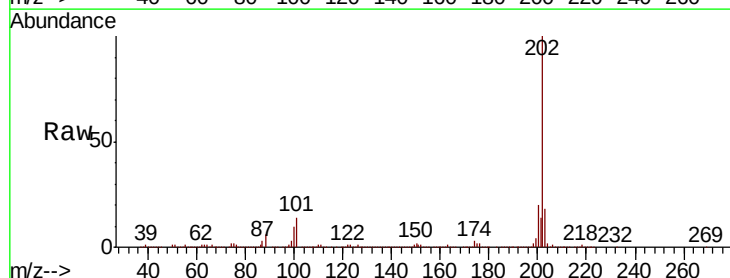
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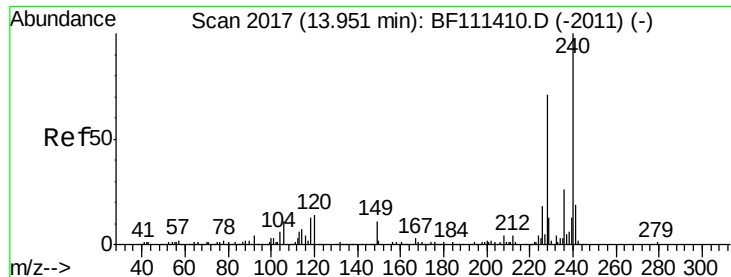
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#75
 Fluoranthene
 Concen: 21.153 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.8
203	17.6	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

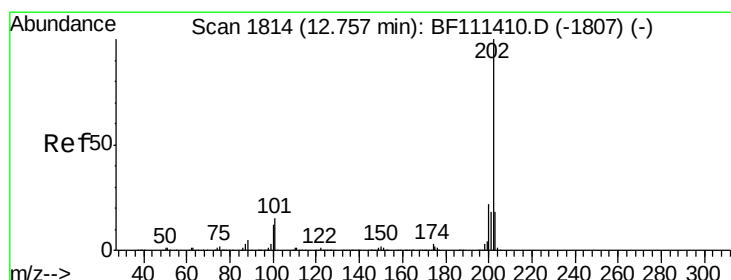
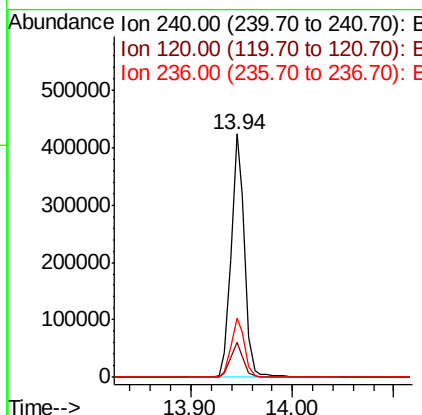
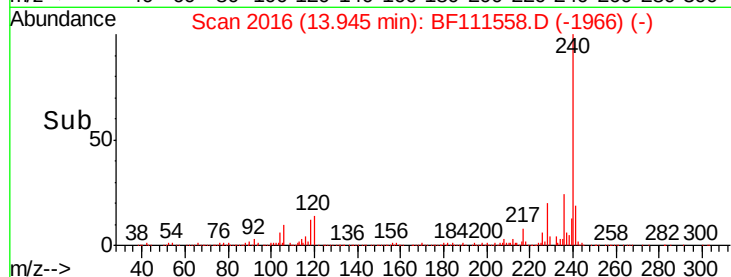
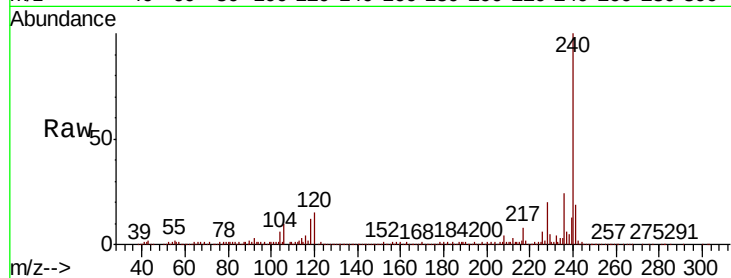
ClientSampleId :

TP-5-B

Tot Ion:	240	Resp:	388168
Ion Ratio		Lower	Upper
240	100		
120	14.6	12.2	18.2
236	24.3	20.2	30.2

Manual Integrations
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#78

Pyrene

Concen: 21.234 ng

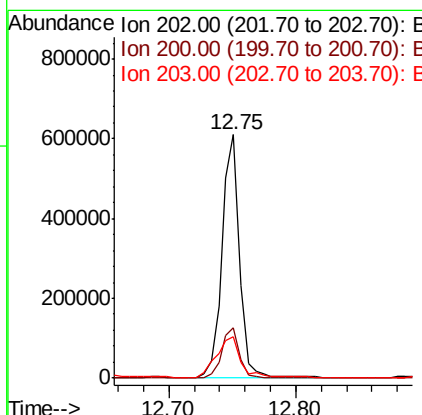
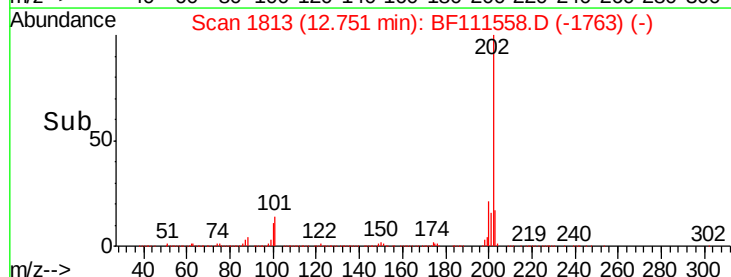
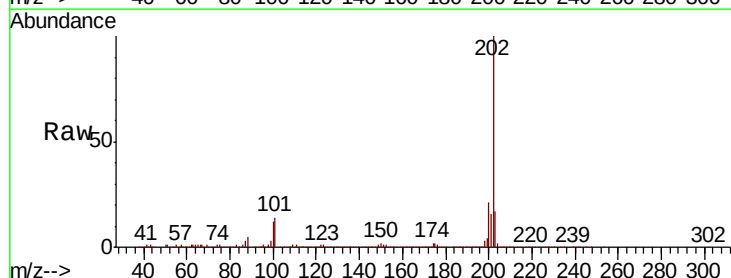
RT: 12.75 min Scan# 1813

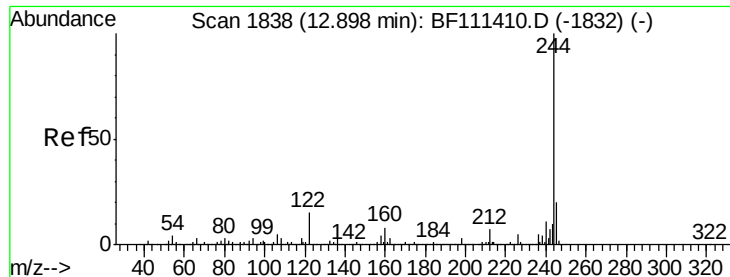
Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Tgt Ion:	202	Resp:	581121
Ion Ratio		Lower	Upper
202	100		
200	20.6	19.0	28.4
203	17.2	15.2	22.8





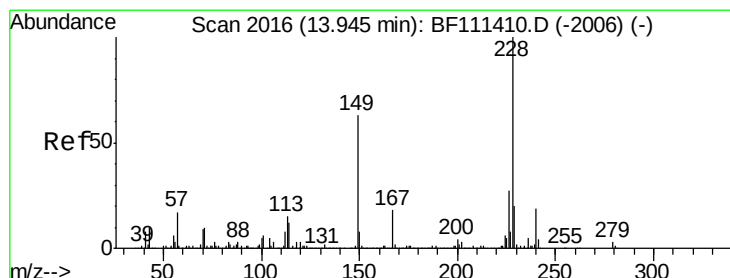
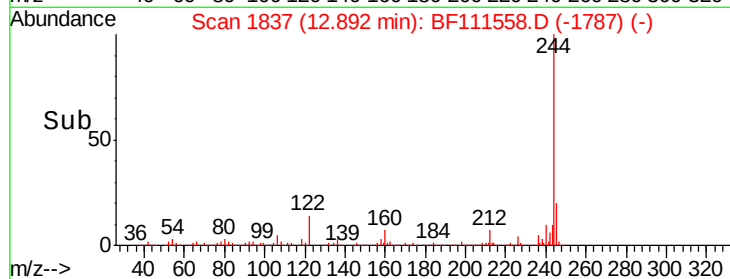
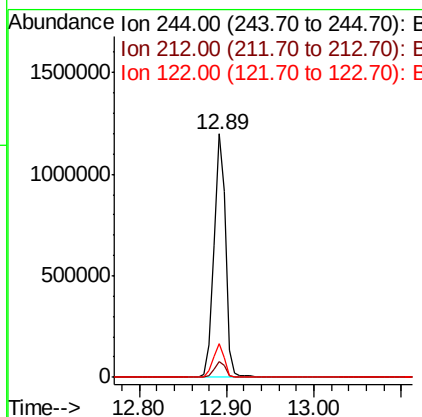
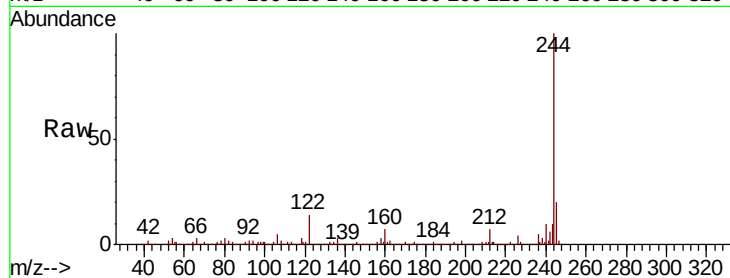
#79
 Terphenyl-d14
 Concen: 67.258 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	14.0	13.1	19.7

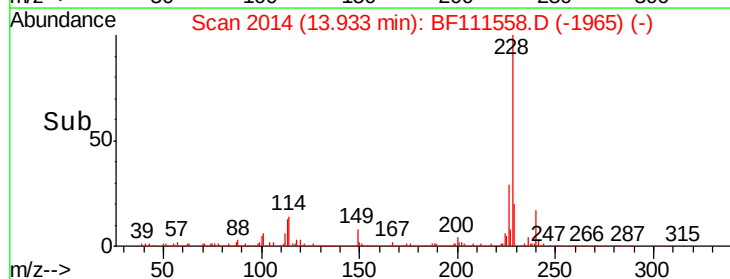
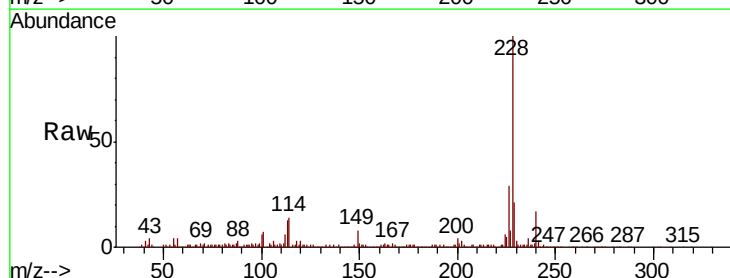
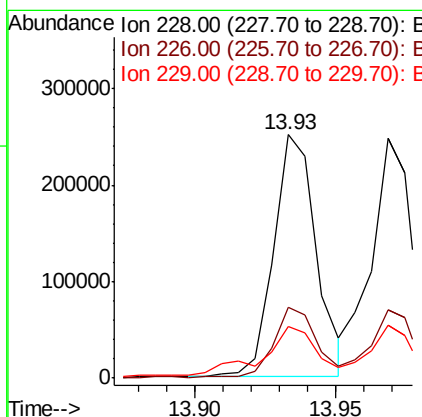
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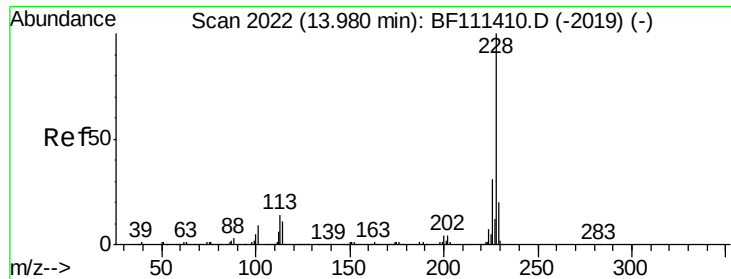
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#81
 Benzo(a)anthracene
 Concen: 12.461 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	21.0	16.3	24.5





#83

Chrysene

Concen: 11.298 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

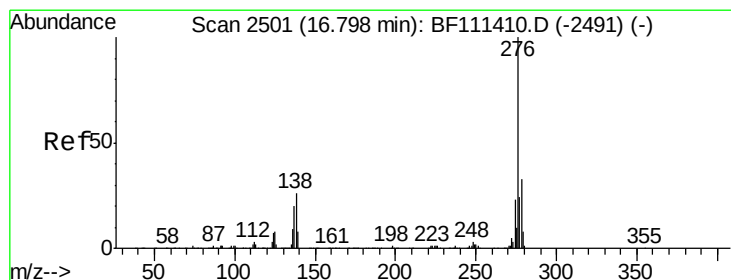
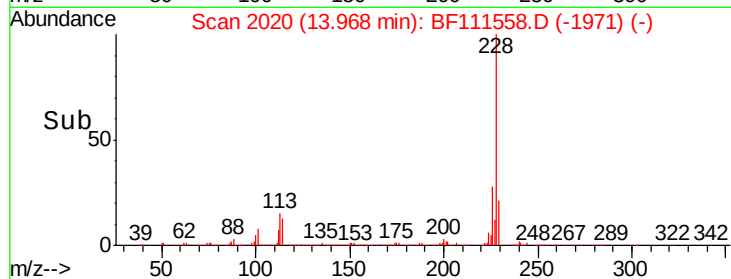
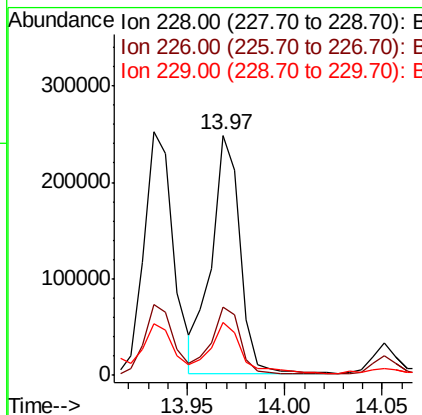
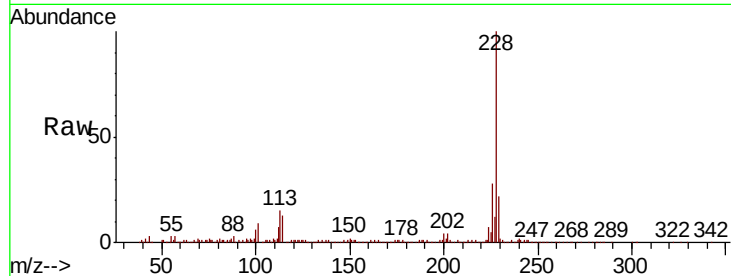
ClientSampleId :

TP-5-B

Tot Ion:	228	Resp:	251198
Ion Ratio		Lower	Upper
228	100		
226	28.2	25.3	37.9
229	21.8	17.2	25.8

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.938 ng

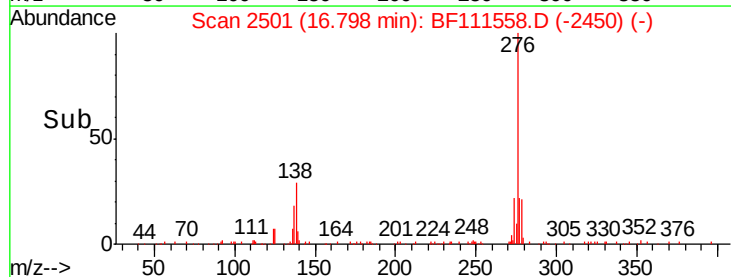
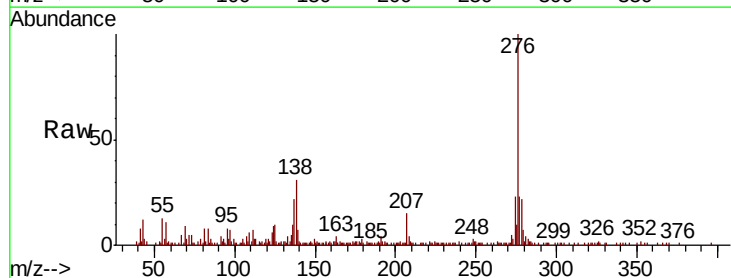
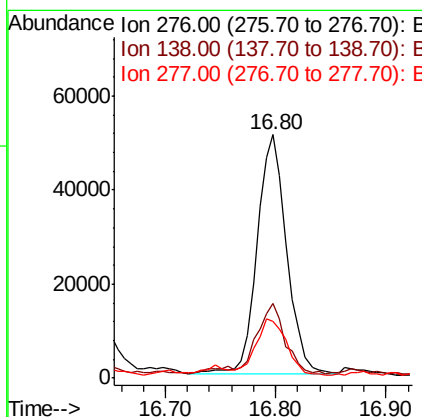
RT: 16.80 min Scan# 2501

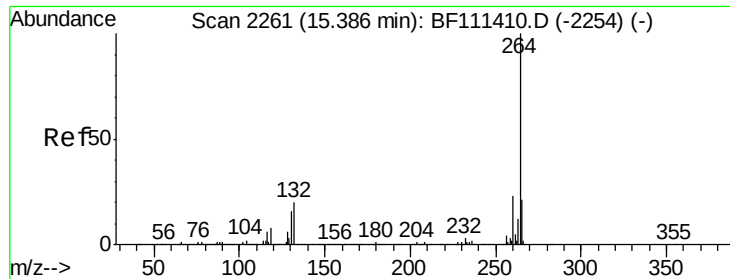
Delta R.T. 0.00 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Tgt Ion:	276	Resp:	95290
Ion Ratio		Lower	Upper
276	100		
138	30.8	27.8	41.6
277	24.7	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

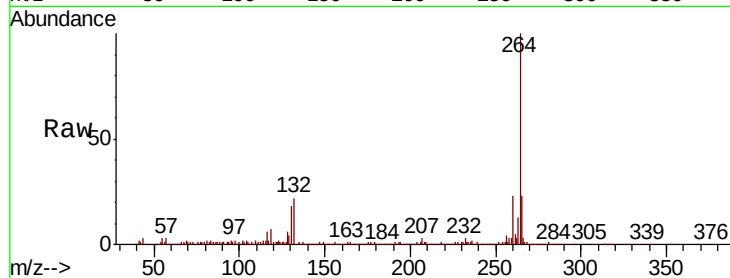
ClientSampled :

TP-5-B

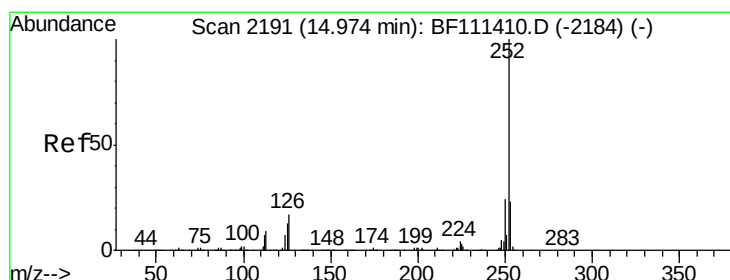
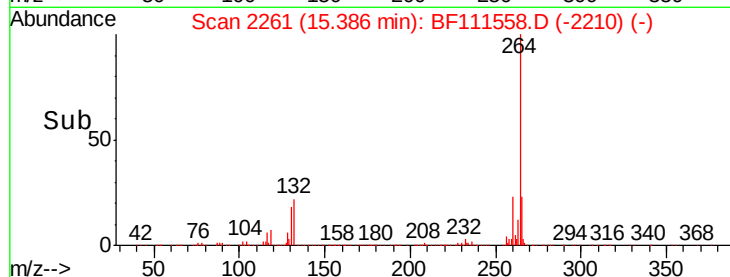
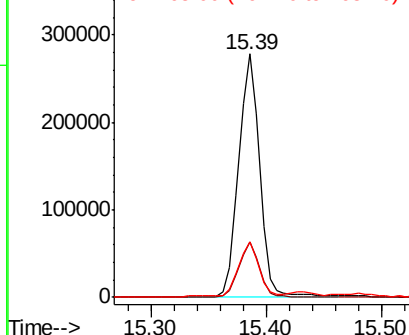
Tot Ion:	264	Resp:	350138
Ion Ratio		Lower	Upper
264	100		
260	23.0	18.3	27.5
265	22.9	17.7	26.5

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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



#88

Benzo(b)fluoranthene

Concen: 14.226 ng m

RT: 14.97 min Scan# 2191

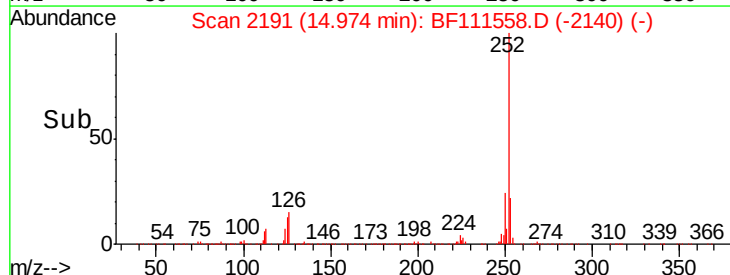
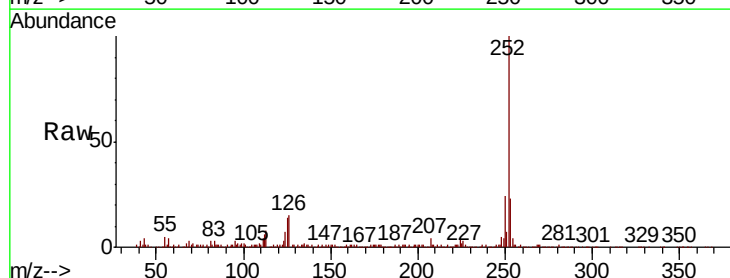
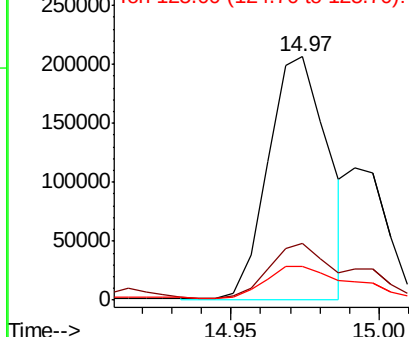
Delta R.T. 0.00 min

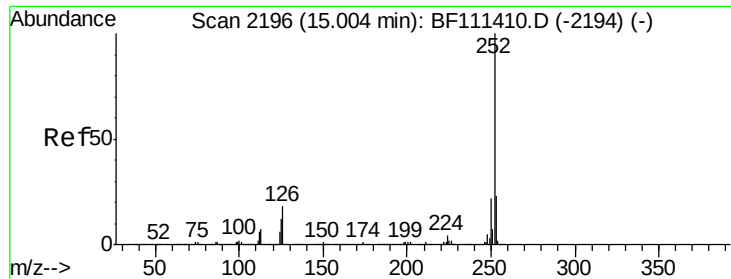
Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Tgt Ion:	252	Resp:	290403
Ion Ratio		Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.9	10.4	15.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





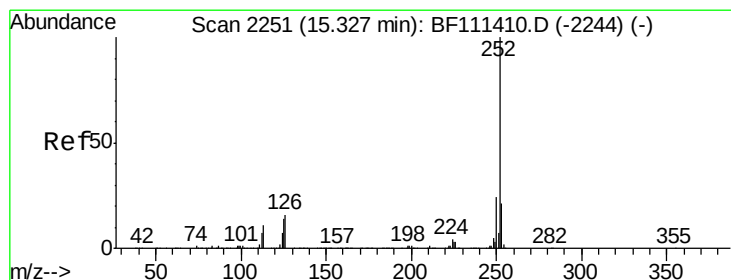
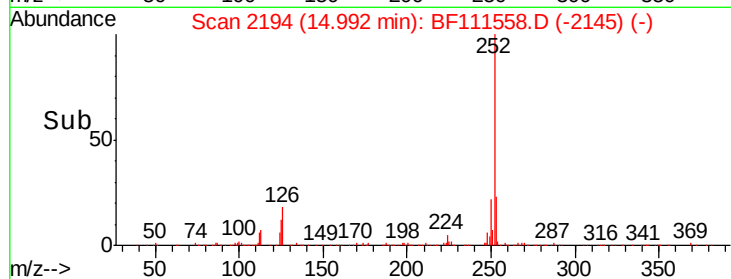
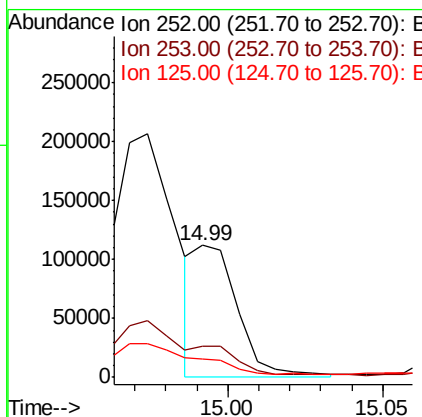
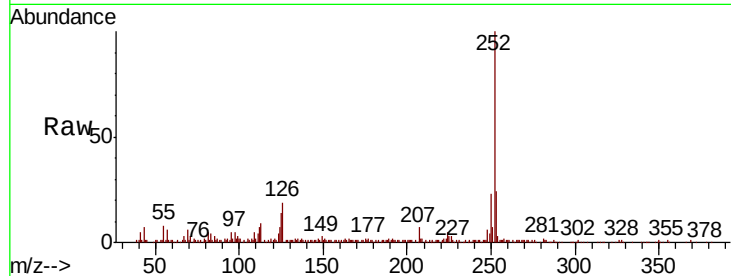
#89
Benzo(k)fluoranthene
Concen: 5.504 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Instrument :
BNA_F
ClientSampled :
TP-5-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.1	9.8	14.8

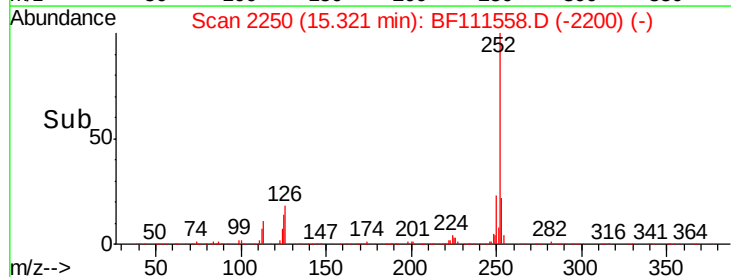
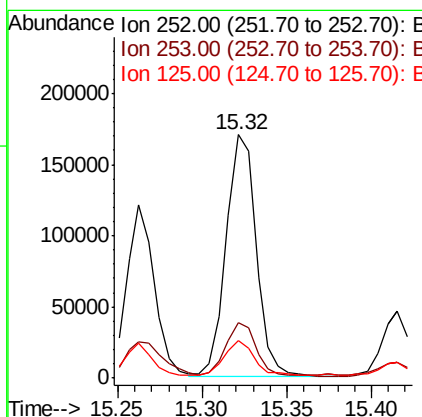
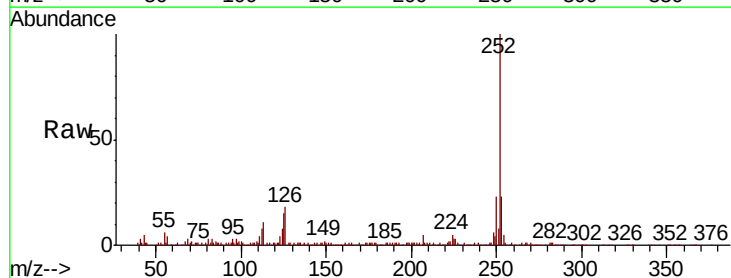
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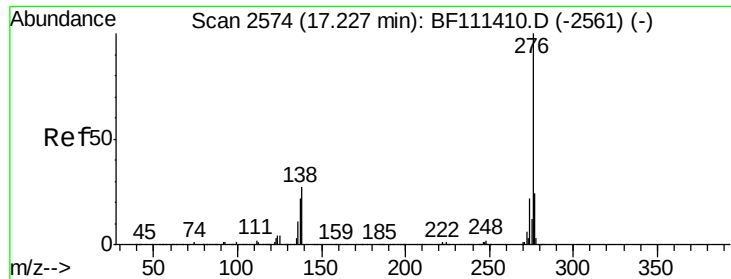
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#90
Benzo(a)pyrene
Concen: 11.562 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	15.4	12.3	18.5





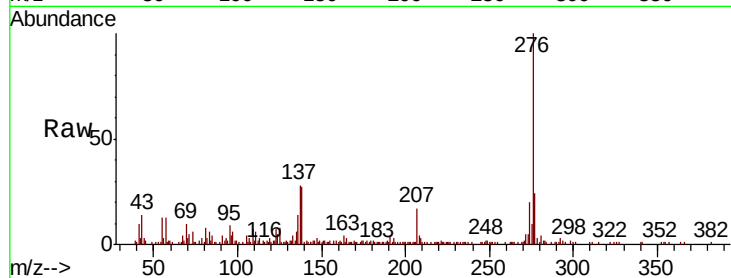
#92
 Benzo(a,h,i)perylene
 Concen: 6.161 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-B

Tot Ion:	276	Resp:	87820
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.2	28.8
138	27.4	24.9	37.3

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

