

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
 Data File : BF110792.D
 Acq On : 15 Nov 2018 17:01
 Operator : JU/SJ
 Sample : J5942-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-D1

Manual Integrations
 APPROVED

Sohil
 11/16/2018 10:07:19 AM

Quant Time: Nov 16 06:50:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	65267	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	259105	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	117435	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	186699	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	150413	20.00	ng	0.00
87) Perylene-d12	15.66	264	148387	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	424352	105.61	ng	0.00
7) Phenol-d6	6.57	99	537881	104.68	ng	0.00
23) Nitrobenzene-d5	7.50	82	334021	74.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	118663	100.28	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	560437	68.16	ng	0.00
79) Terphenyl-d14	13.06	244	424384	52.84	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	30458	5.112	ng	# 76
31) Naphthalene	8.24	128	25048	2.059	ng	# 91
49) Acenaphthylene	9.85	152	171228	15.065	ng	100
50) Dimethylphthalate	9.69	163	68702	7.840	ng	98
71) Phenanthrene	11.50	178	372231	37.214	ng	98
72) Anthracene	11.55	178	90201	8.940	ng	98
75) Fluoranthene	12.70	202	678641	67.674	ng	99
78) Pyrene	12.93	202	702890	60.691	ng	99
81) Benzo(a)anthracene	14.12	228	440676	49.017	ng	99
83) Chrysene	14.16	228	395164	46.136	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	202019	32.869	ng	97
88) Benzo(b)fluoranthene	15.21	252	530482m	59.759	ng	
89) Benzo(k)fluoranthene	15.23	252	161425m	18.403	ng	
90) Benzo(a)pyrene	15.60	252	286624	35.537	ng	99
91) Dibenzo(a,h)anthracene	17.23	278	46480m	6.810	ng	
92) Benzo(g,h,i)perylene	17.72	276	214786	31.717	ng	97

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

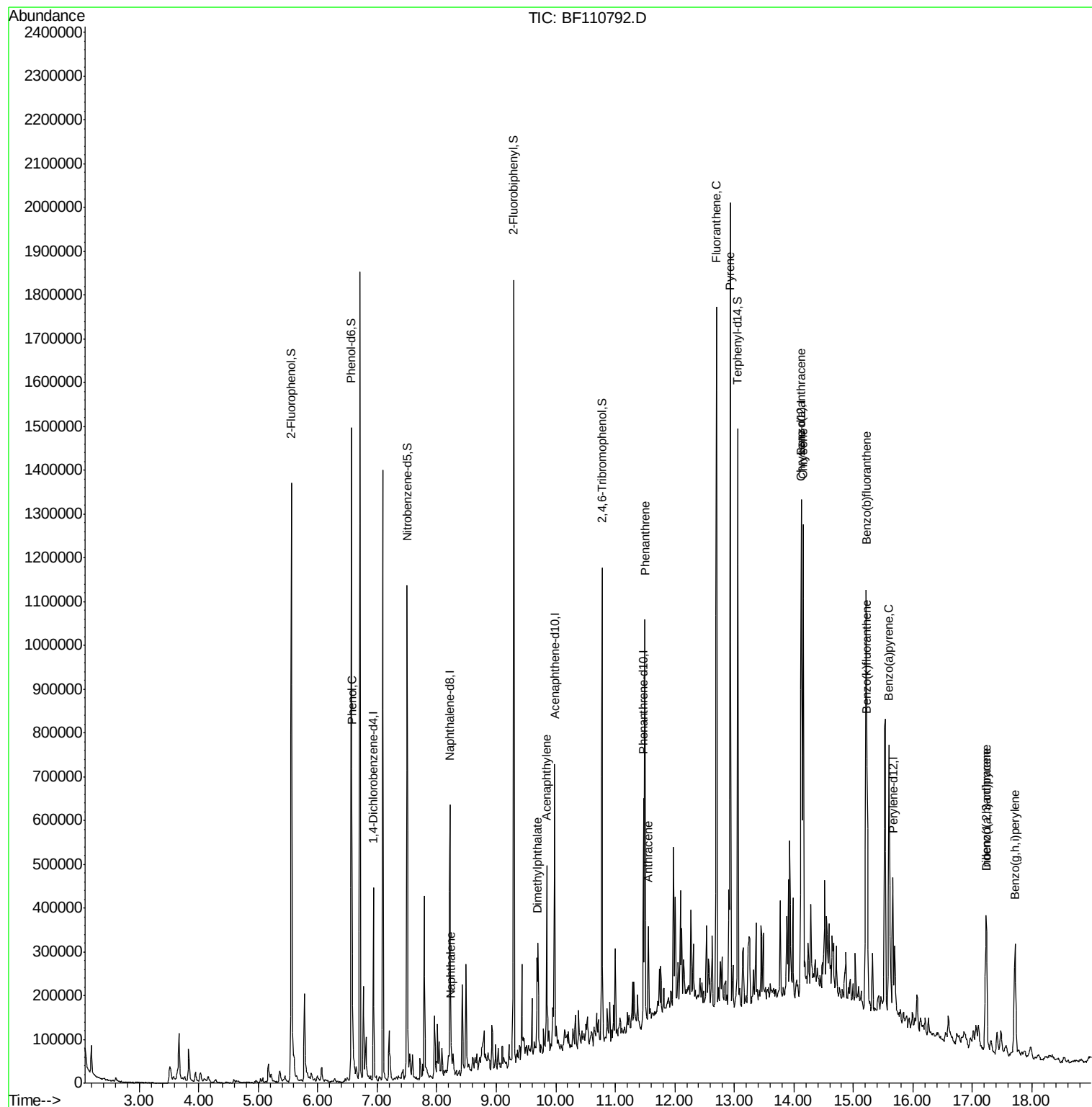
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110792.D
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ALS Vial : 10 Sample Multiplier: 1

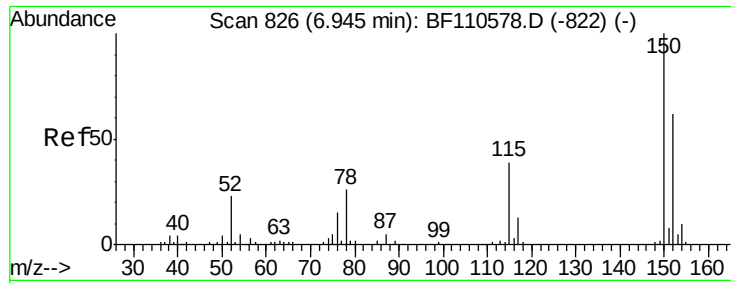
Instrument :
BNA_F
ClientSampled :
VW-D1

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Quant Time: Nov 16 06:50:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
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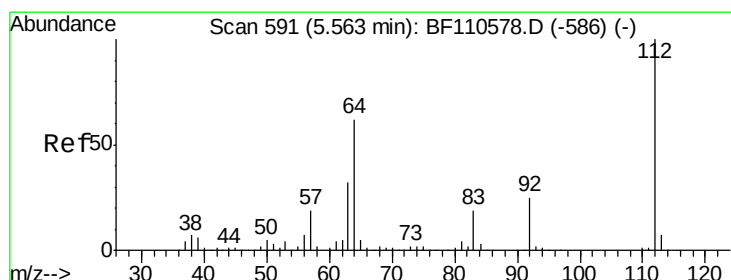
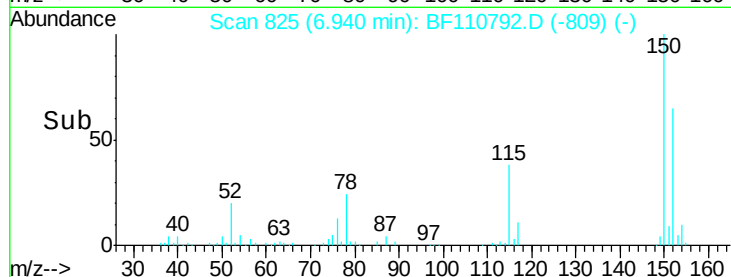
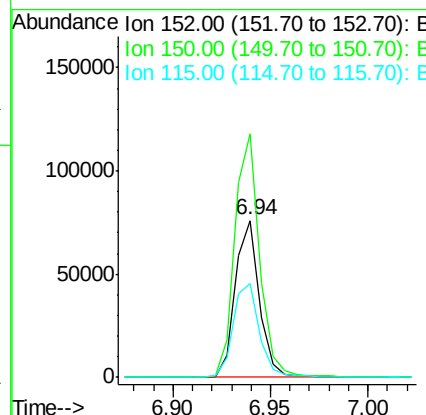
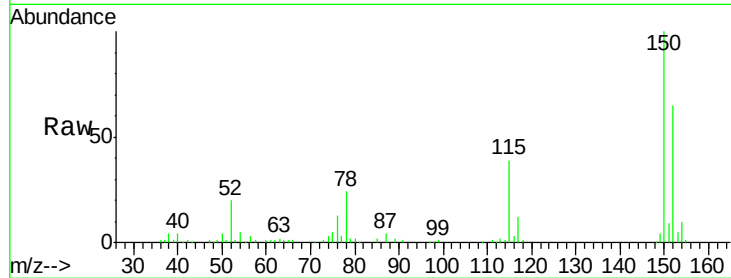
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110792.D
 Acq: 15 Nov 2018 17:01

Instrument :
 BNA_F
 ClientSampled :
 VW-D1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	122.7	184.1
115	60.0	49.1	73.7

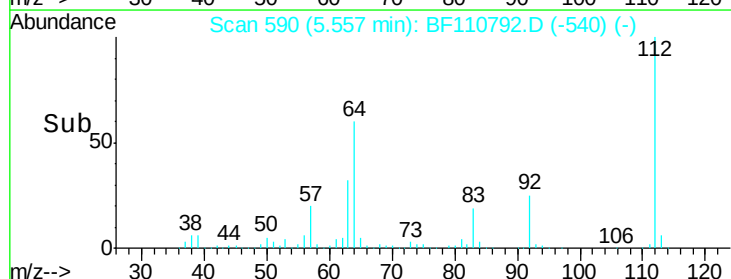
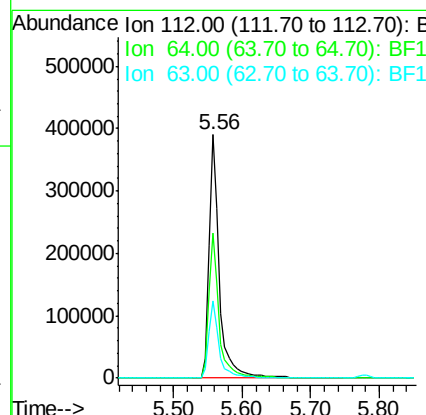
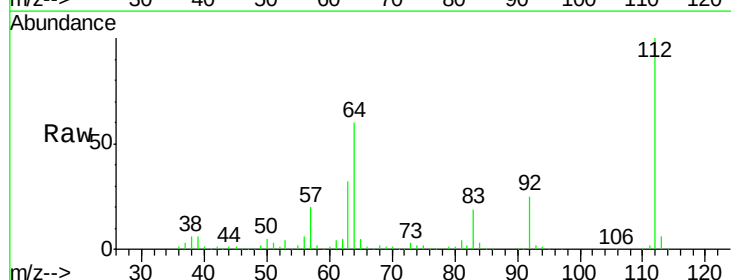
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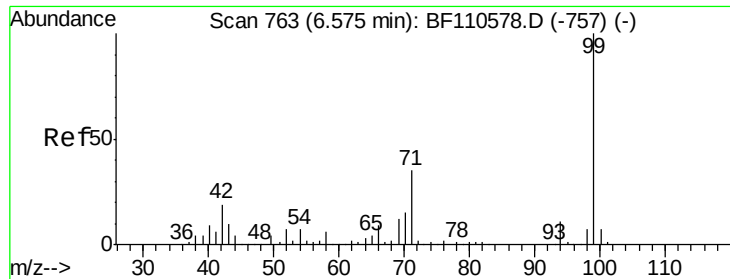
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#5
 2-Fluorophenol
 Concen: 105.609 ng
 RT: 5.56 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF110792.D
 Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	44.1	66.1
63	31.5	23.7	35.5





#7

Phenol-d6

Concen: 104.683 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Instrument :

BNA_F

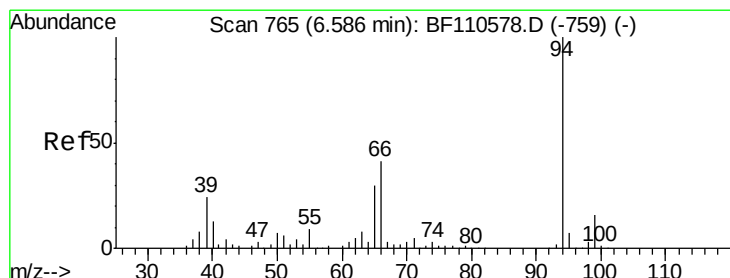
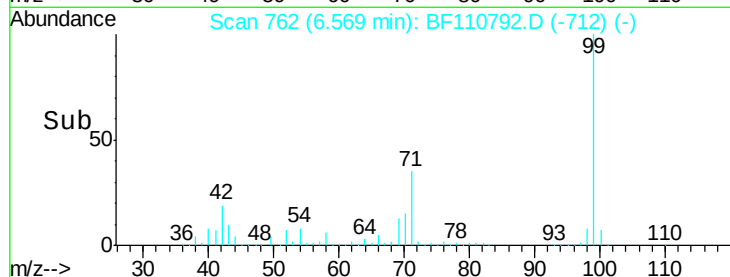
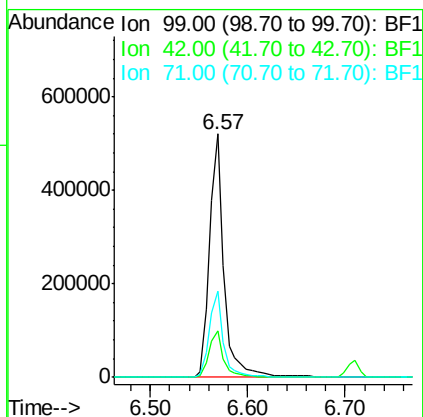
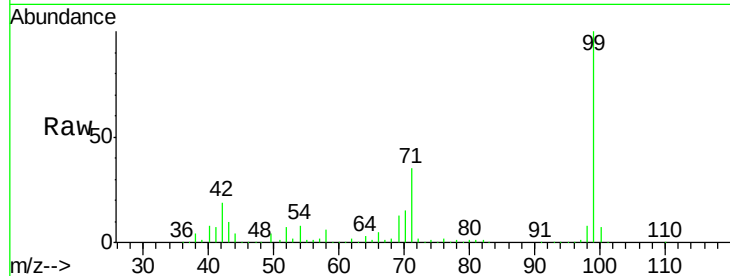
ClientSampled :

VW-D1

Tgt Ion:	99	Resp:	537881
Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.6
71	35.2	28.0	42.0

Manual Integrations
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#10

Phenol

Concen: 5.112 ng

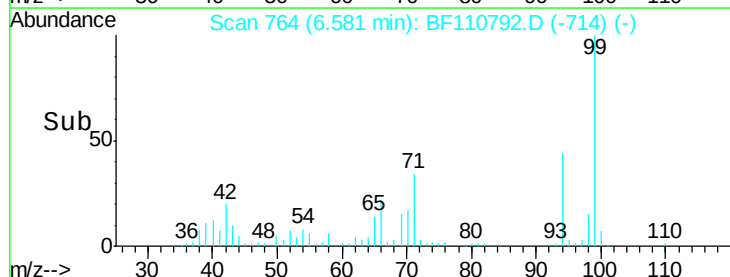
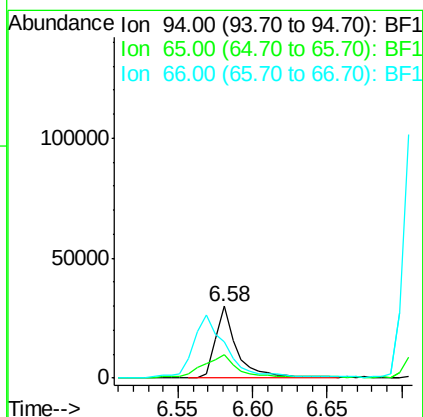
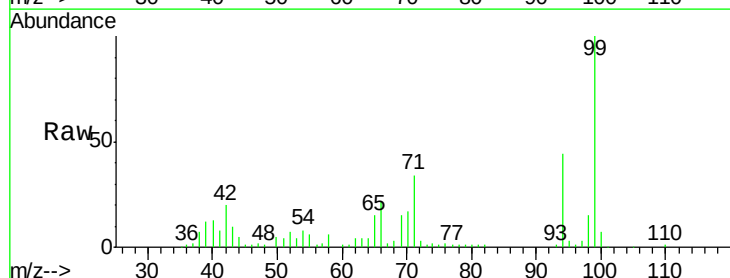
RT: 6.58 min Scan# 764

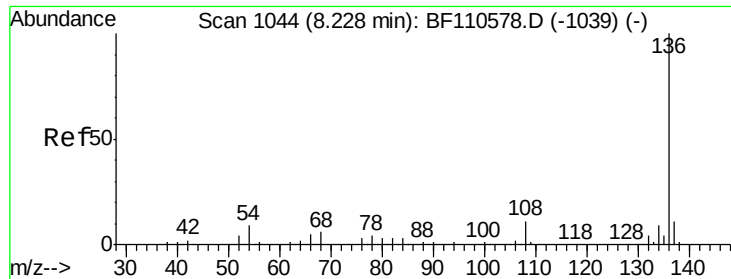
Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Tgt Ion:	94	Resp:	30458
Ion	Ratio	Lower	Upper
94	100		
65	33.3	25.3	65.3
66	50.8	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Instrument :

BNA_F

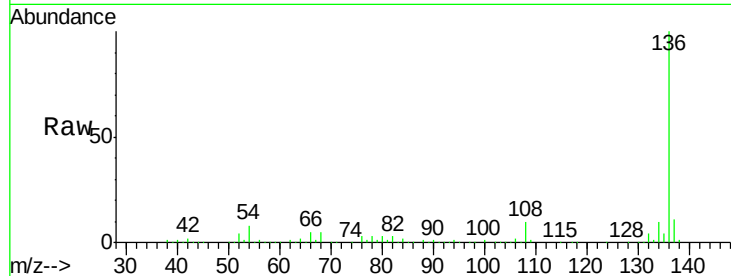
ClientSampleID :

VW-D1

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	259105		
137	10.8	8.8	13.2	
54	7.5	5.4	8.2	
68	5.0	4.2	6.2	

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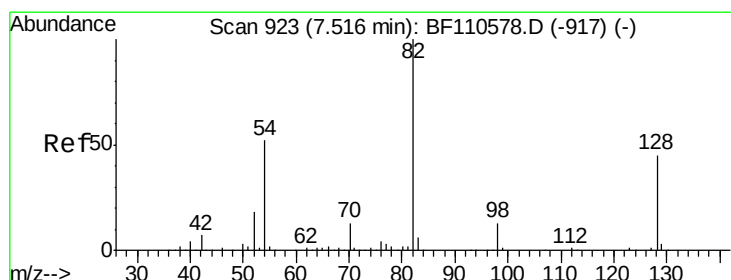
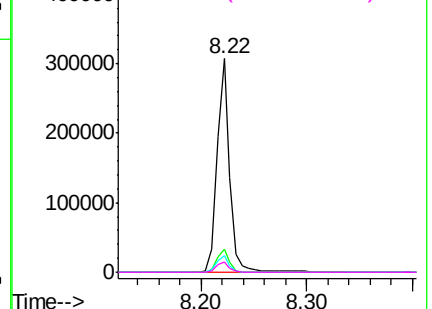
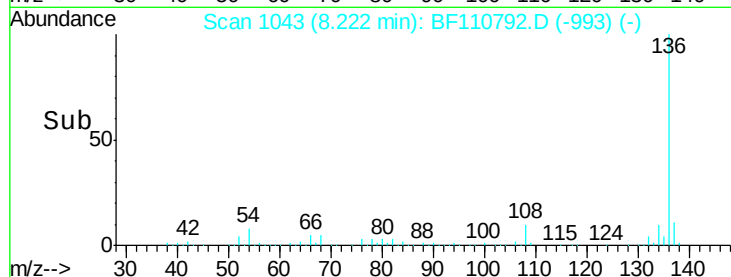


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.241 ng

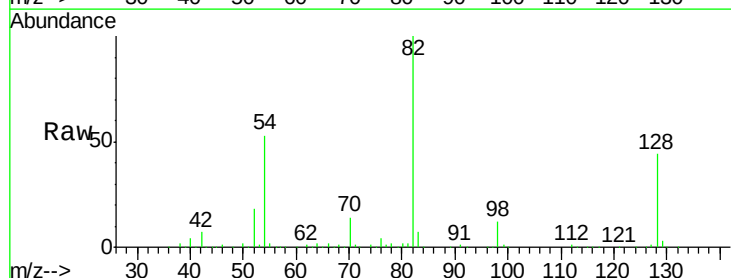
RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

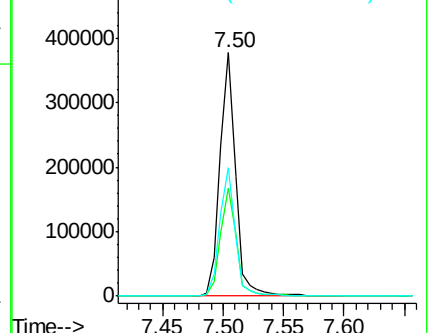
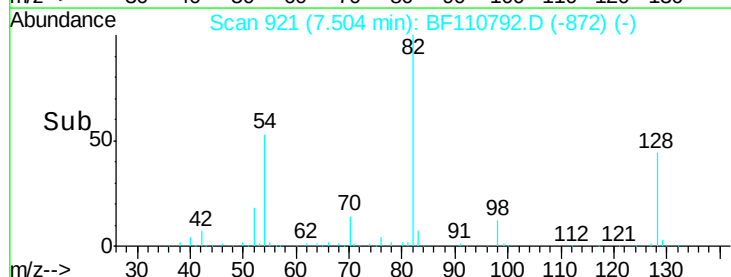
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	334021		
128	44.5	34.2	51.2	
54	53.0	38.6	58.0	

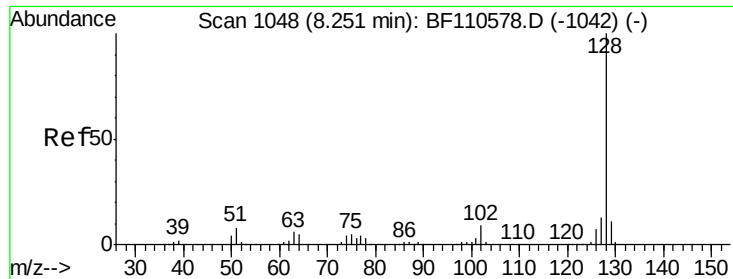


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





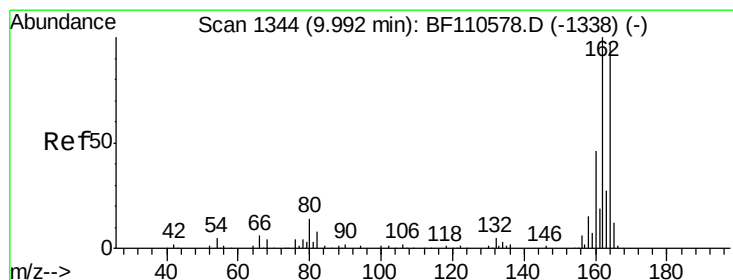
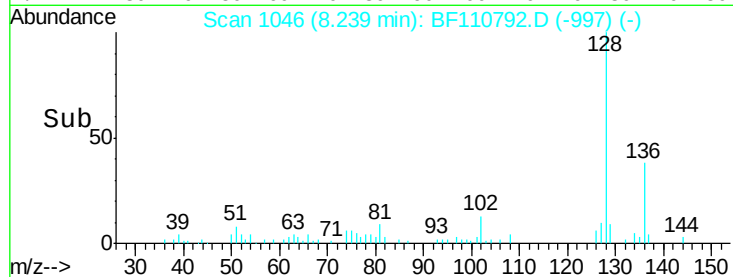
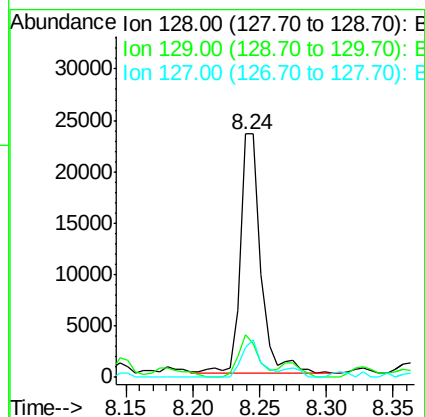
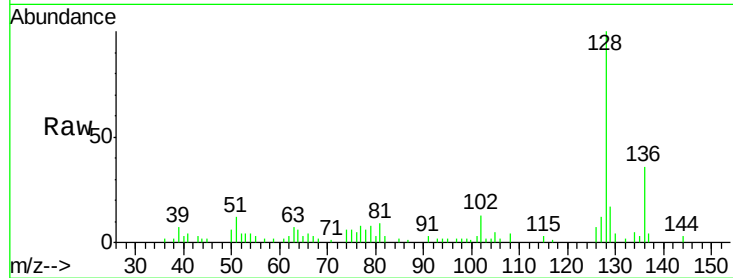
#31
Naphthalene
Concen: 2.059 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Instrument :
BNA_F
ClientSampleId :
VW-D1

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	17.4	8.8	13.2#
127	12.2	10.8	16.2

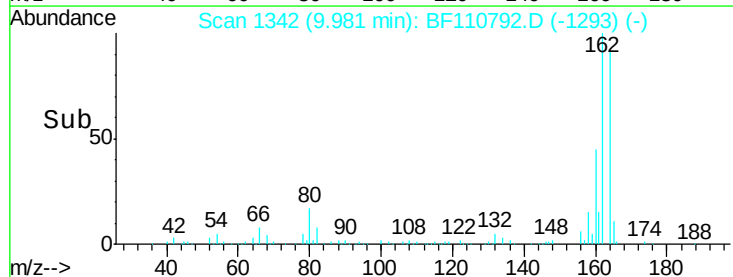
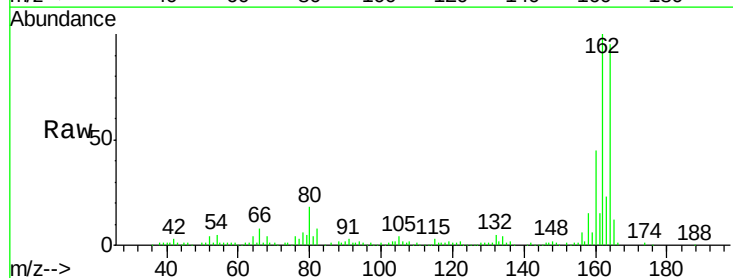
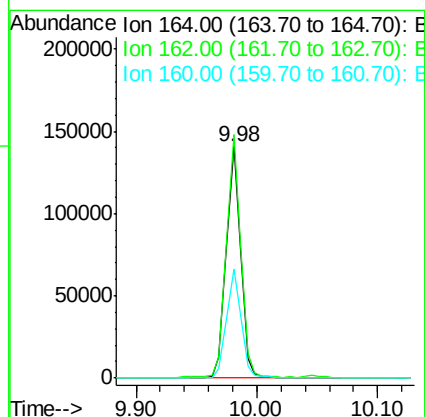
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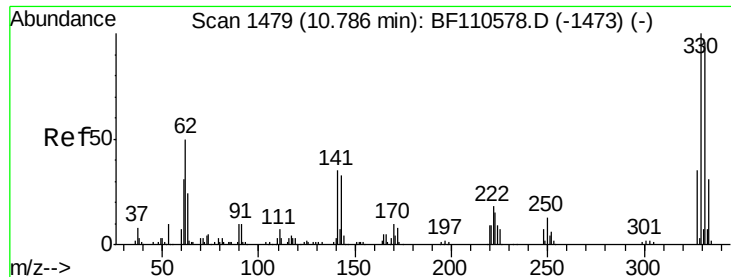
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	105.1	83.0	124.6
160	46.9	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 100.281 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Instrument :

BNA_F

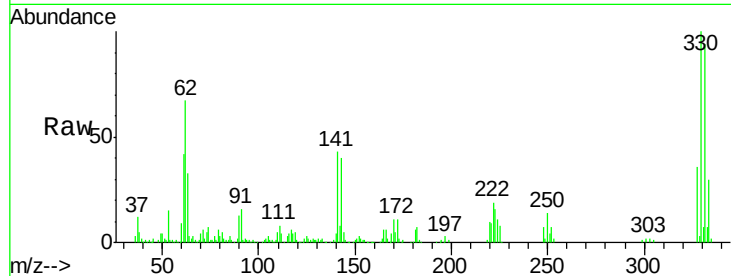
ClientSampled :

VW-D1

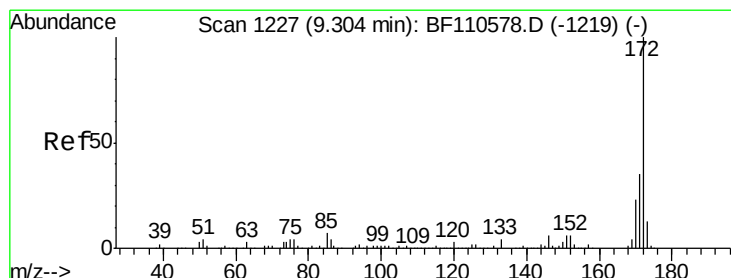
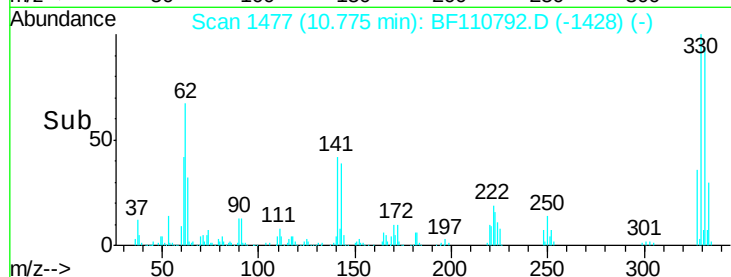
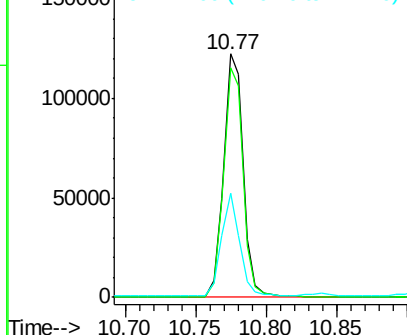
Tgt Ion:	330	Resp:	118663
Ion Ratio	Lower	Upper	
330	100		
332	94.2	77.1	115.7
141	38.6	27.0	40.4

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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: 68.157 ng

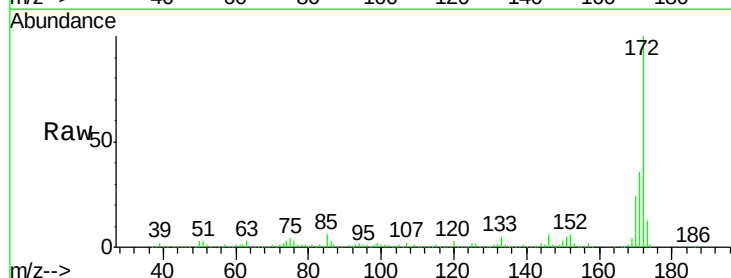
RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

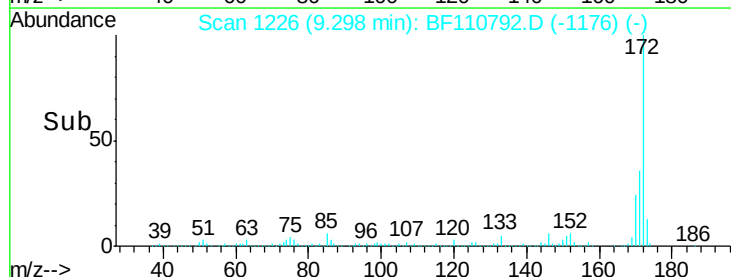
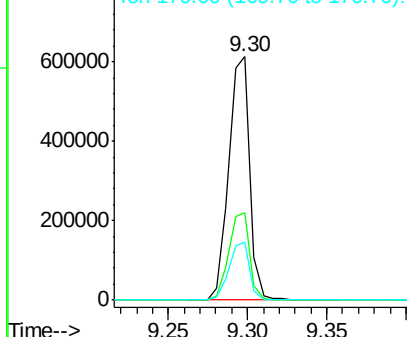
Lab File: BF110792.D

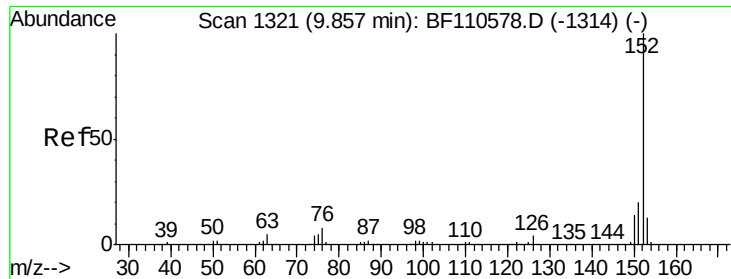
Acq: 15 Nov 2018 17:01

Tgt Ion:	172	Resp:	560437
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.6	43.0
170	23.7	19.7	29.5



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





#49

Acenaphthylene

Concen: 15.065 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Instrument :

BNA_F

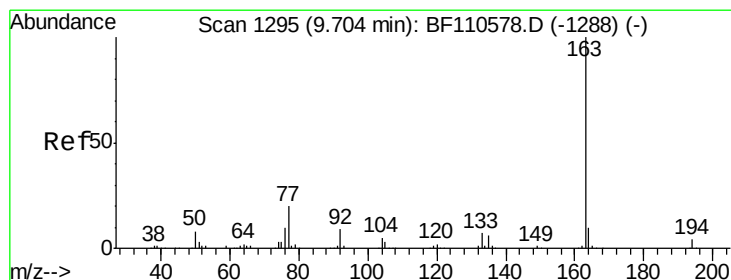
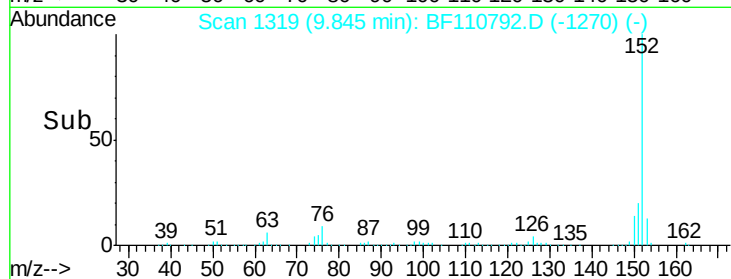
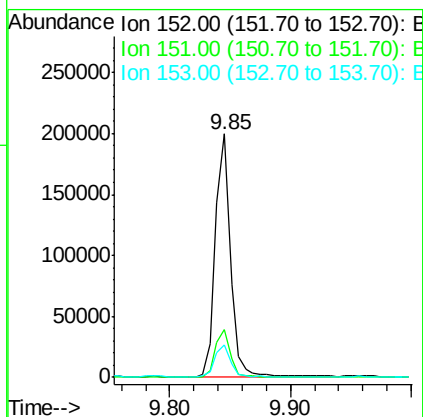
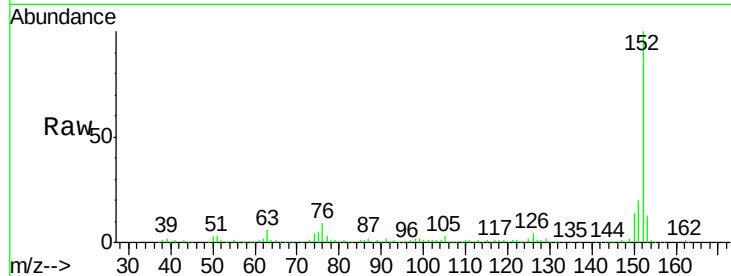
ClientSampled :

VW-D1

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.4	10.4	15.6

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#50

Dimethylphthalate

Concen: 7.840 ng

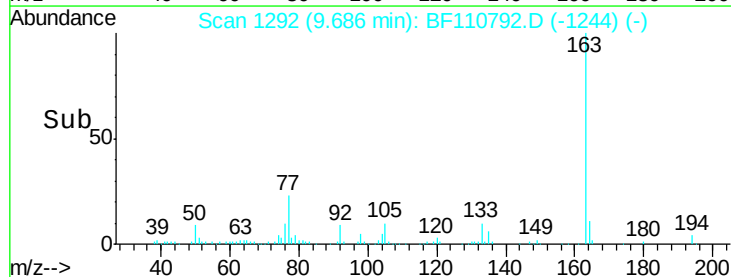
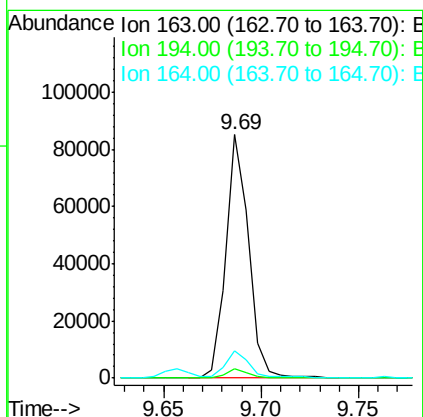
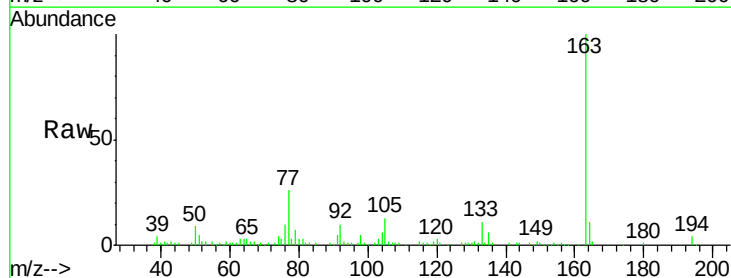
RT: 9.69 min Scan# 1292

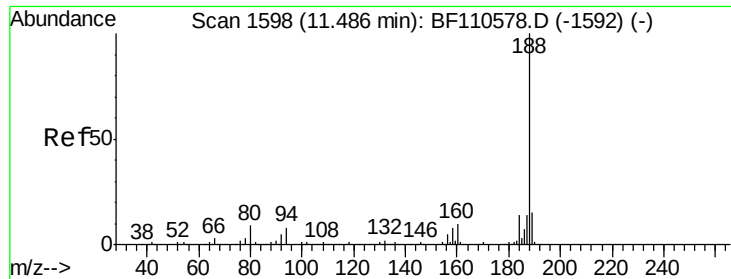
Delta R.T. -0.02 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	11.0	8.1	12.1





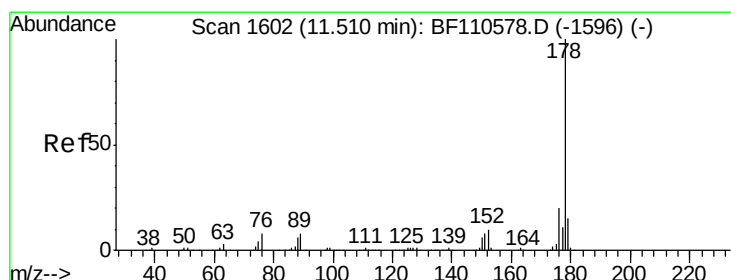
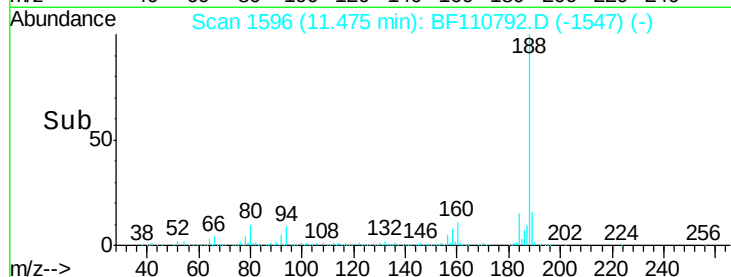
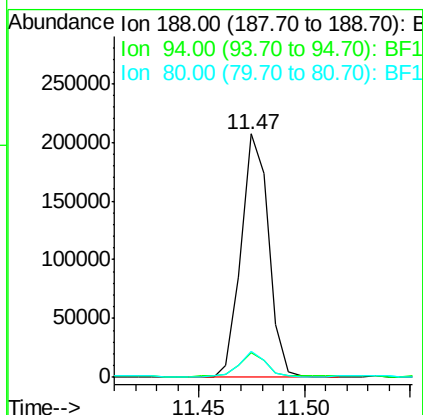
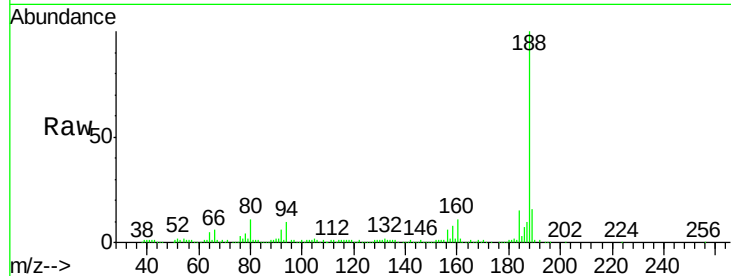
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Instrument :
BNA_F
ClientSampled :
VW-D1

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	186699		
94	9.9	7.2	10.8	
80	10.7	7.9	11.9	

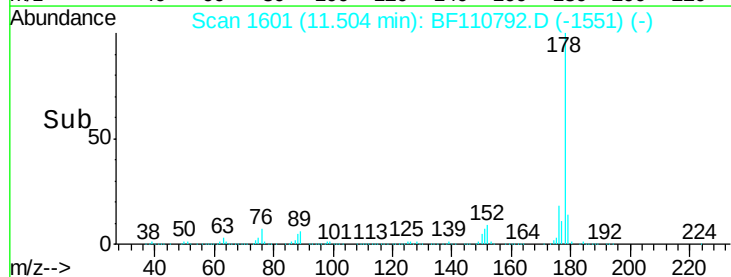
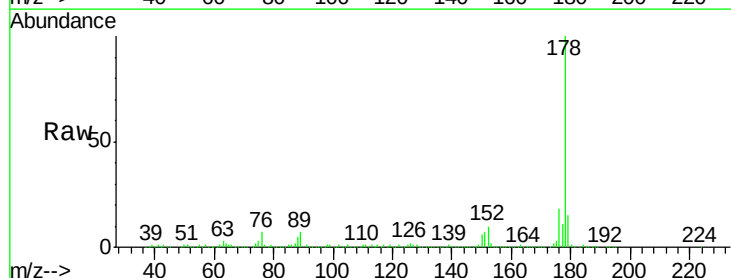
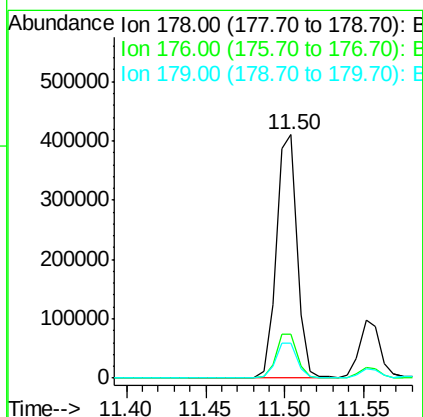
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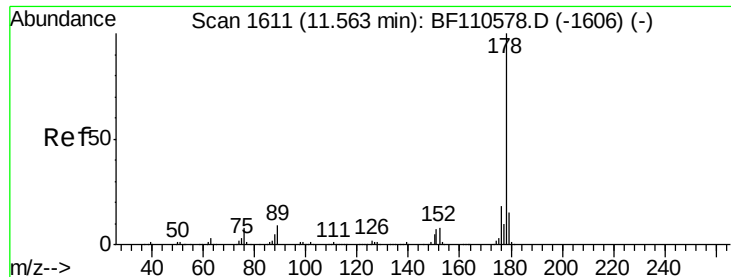
Sohil
11/16/2018 10:07:19 AM



#71
Phenanthrene
Concen: 37.214 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	372231		
176	18.3	15.5	23.3	
179	14.6	12.5	18.7	





#72

Anthracene

Concen: 8.940 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Instrument :

BNA_F

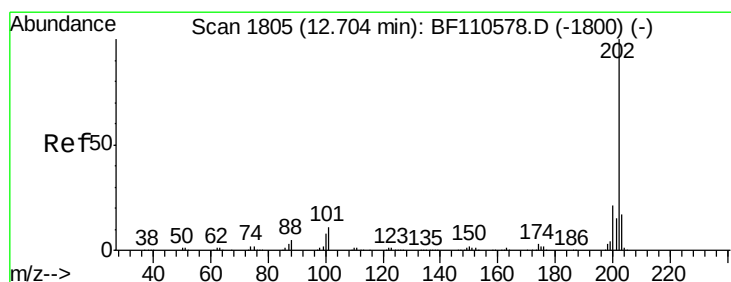
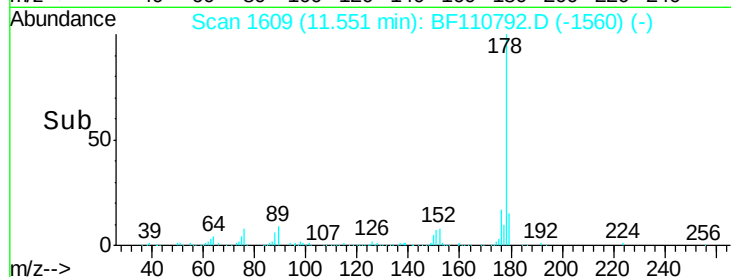
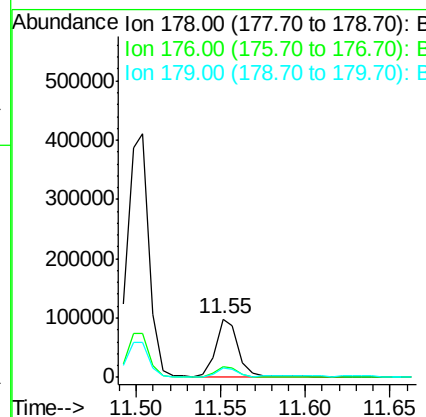
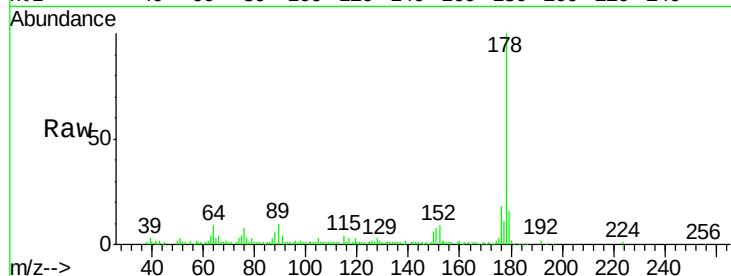
ClientSampled :

VW-D1

Tgt Ion:	178	Resp:	90201
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.2
179	15.6	12.6	18.8

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#75

Fluoranthene

Concen: 67.674 ng

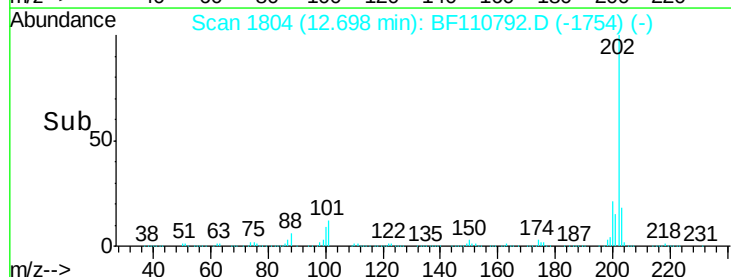
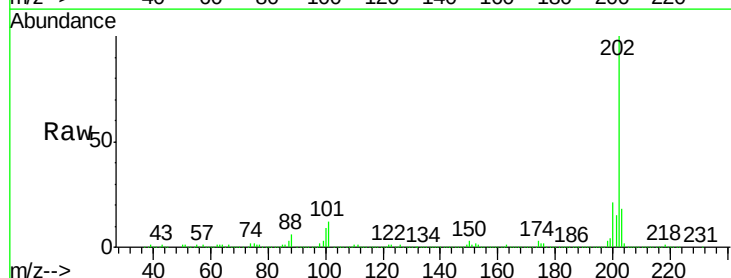
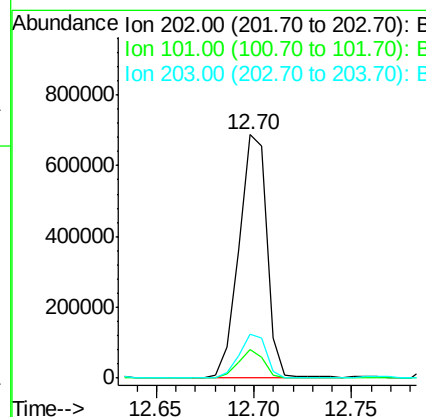
RT: 12.70 min Scan# 1804

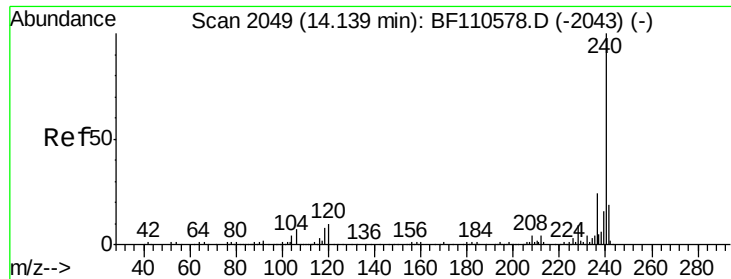
Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Tgt Ion:	202	Resp:	678641
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.4
203	18.1	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Instrument :

BNA_F

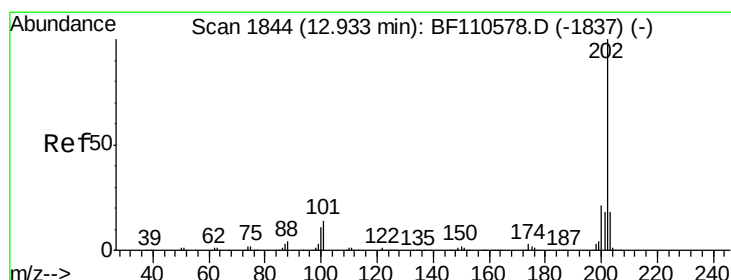
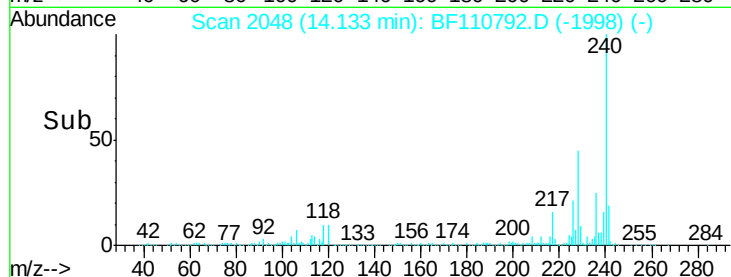
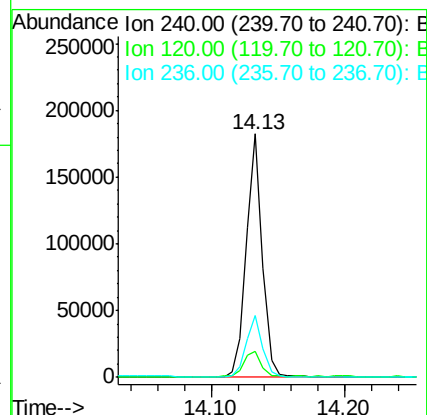
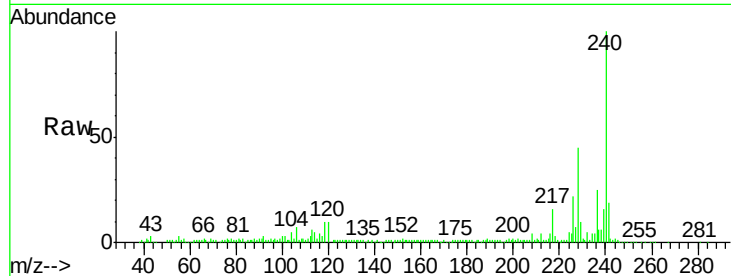
ClientSampled :

VW-D1

Tgt Ion:	240	Resp:	150413
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.3	12.5
236	25.2	21.2	31.8

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#78

Pyrene

Concen: 60.691 ng

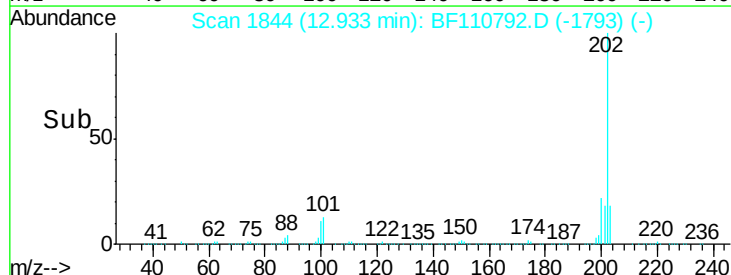
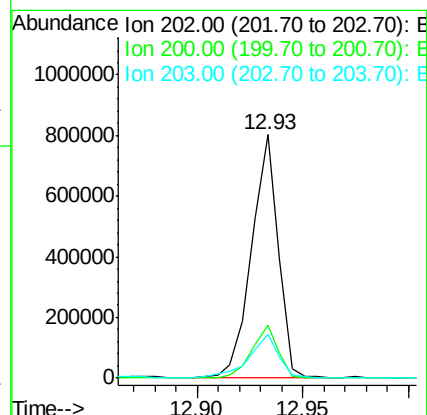
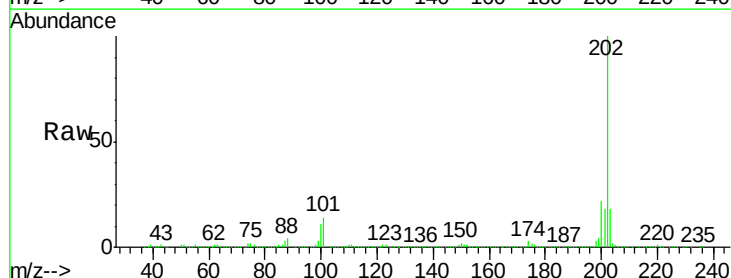
RT: 12.93 min Scan# 1844

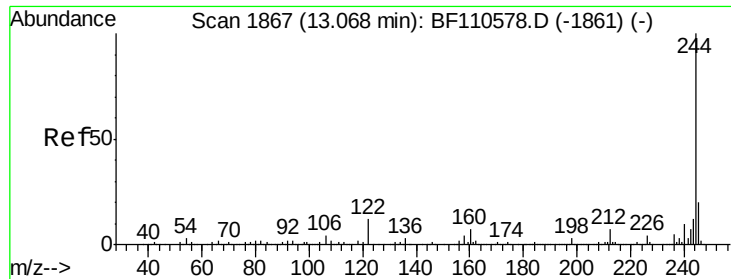
Delta R.T. 0.00 min

Lab File: BF110792.D

Acq: 15 Nov 2018 17:01

Tgt Ion:	202	Resp:	702890
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.8	26.6
203	18.2	14.2	21.4





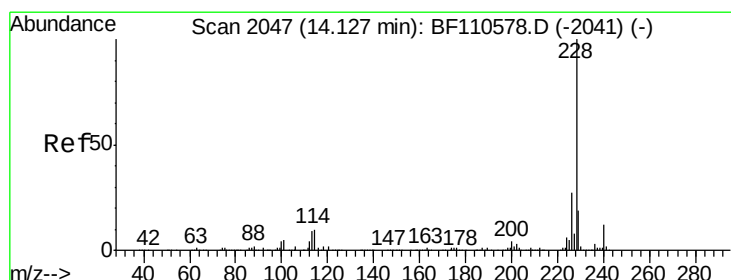
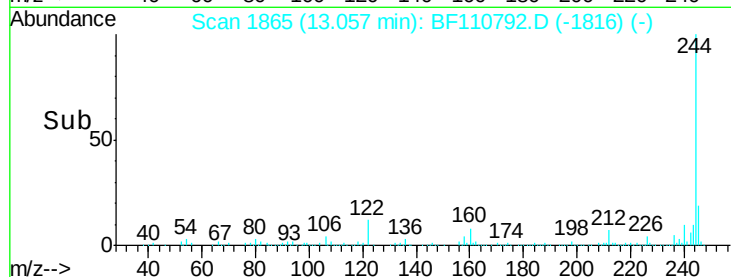
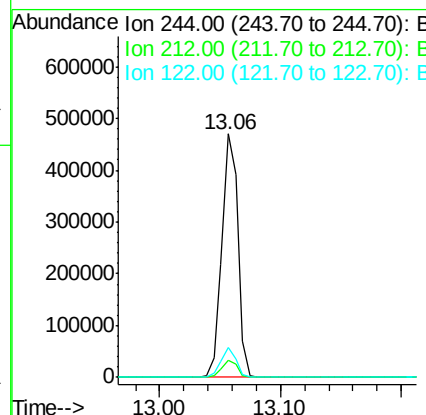
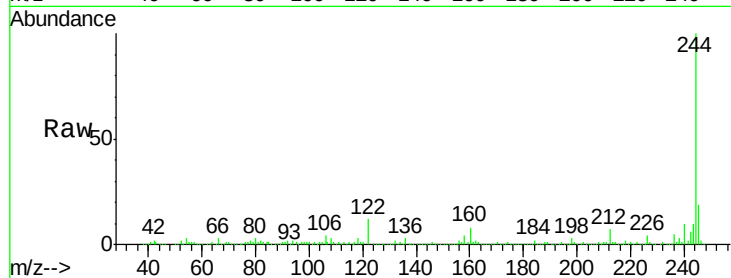
#79
 Terphenyl-d14
 Concen: 52.839 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110792.D
 Acq: 15 Nov 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 VW-D1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.1	8.7	13.1

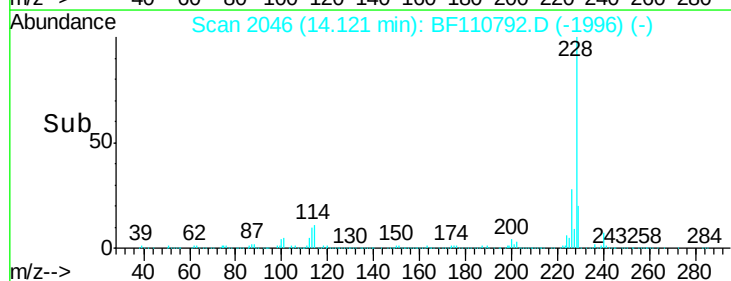
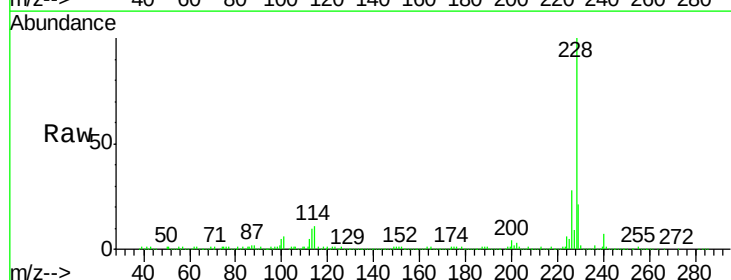
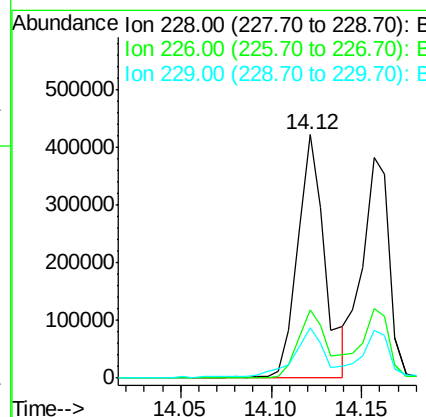
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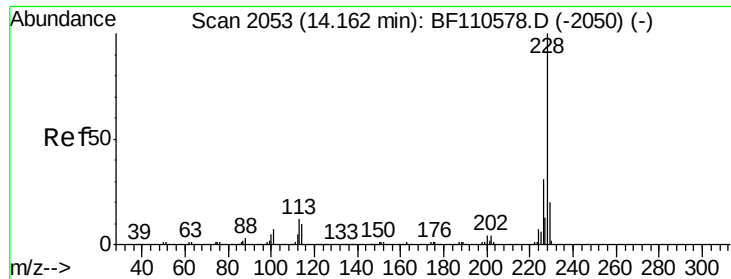
Sohil
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#81
 Benzo(a)anthracene
 Concen: 49.017 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110792.D
 Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	20.5	15.6	23.4





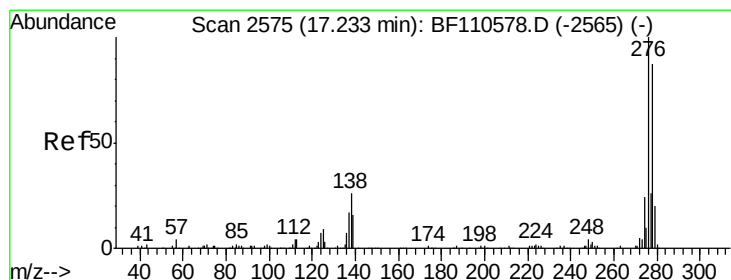
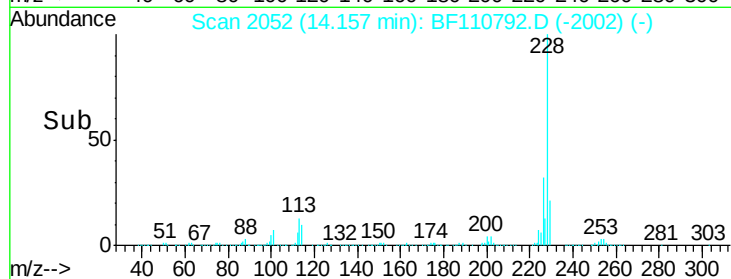
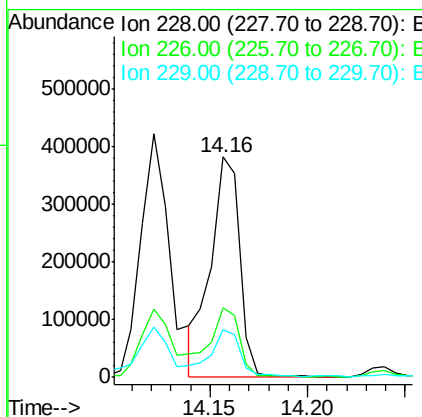
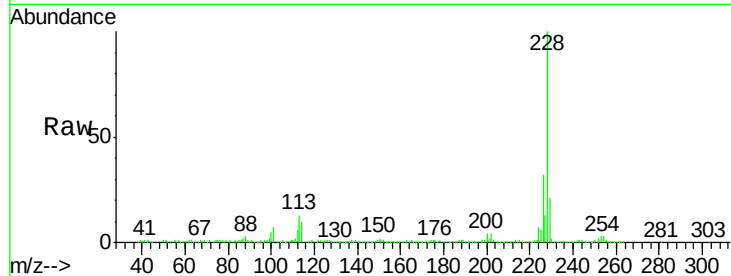
#83
Chrysene
Concen: 46.136 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Instrument :
BNA_F
ClientSampled :
VW-D1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	21.5	15.9	23.9

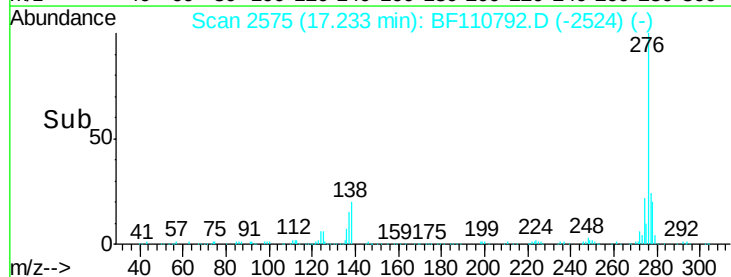
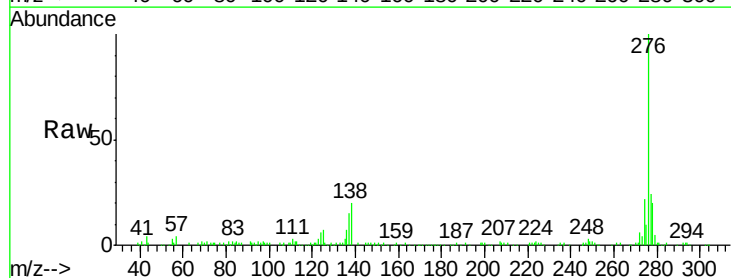
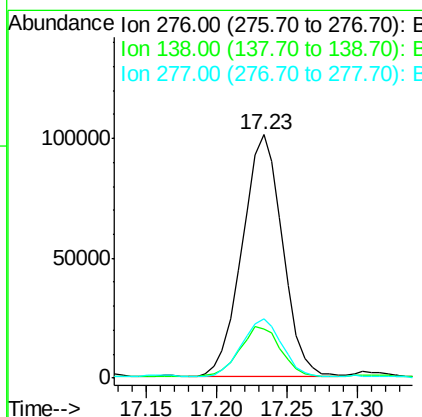
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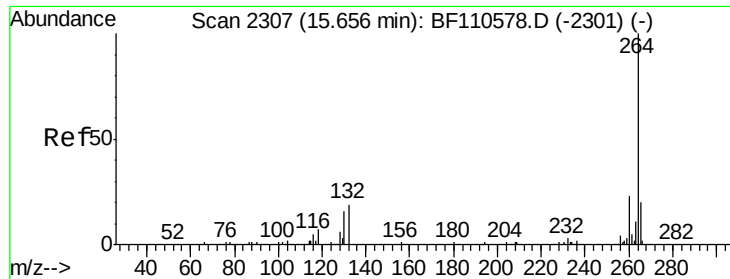
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#86
Indeno(1,2,3-cd)pyrene
Concen: 32.869 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.00 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.5	27.7
277	24.4	20.0	30.0





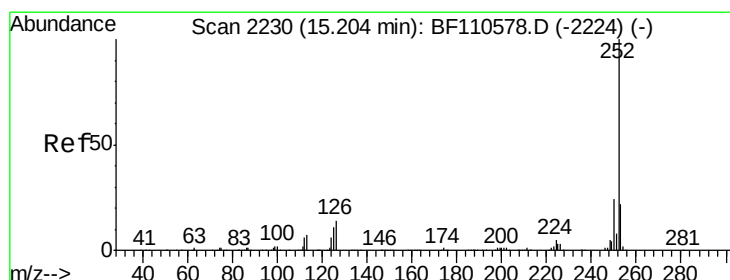
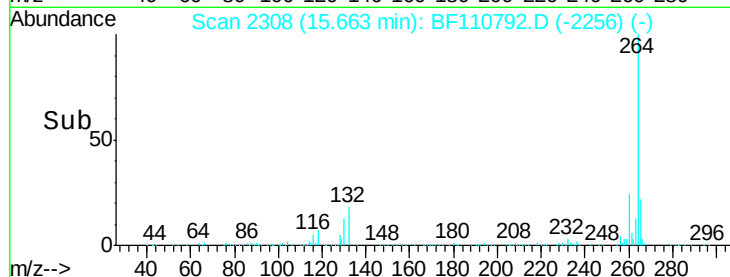
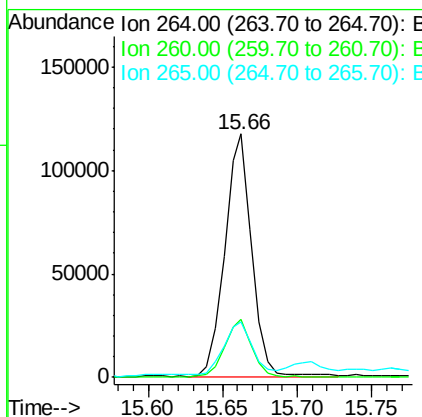
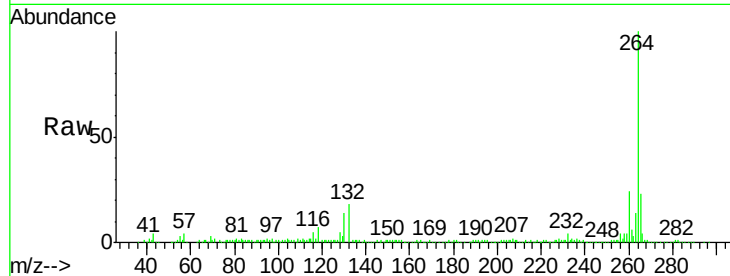
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Instrument :
BNA_F
ClientSampleId :
VW-D1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.6	16.7	25.1

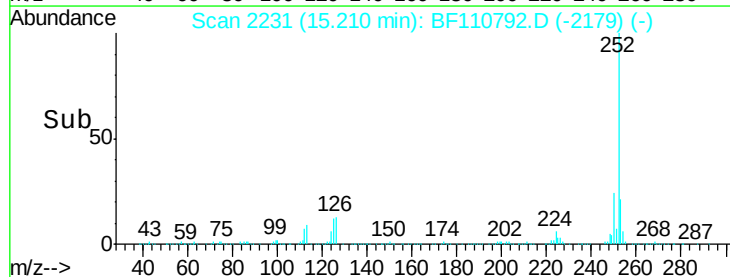
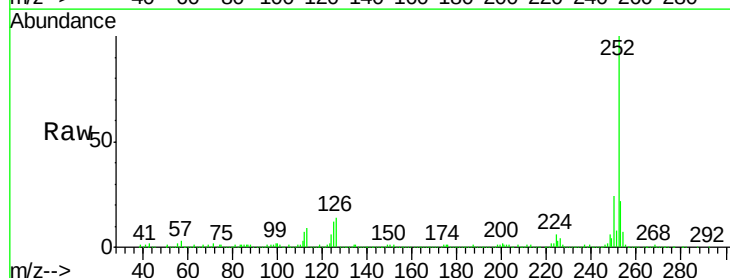
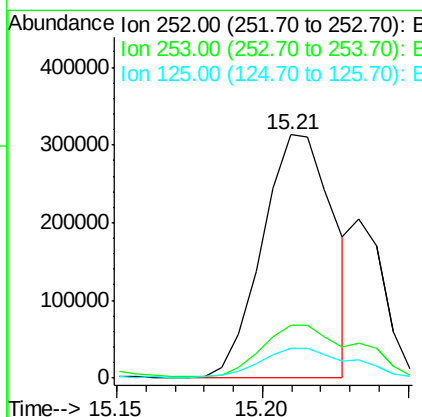
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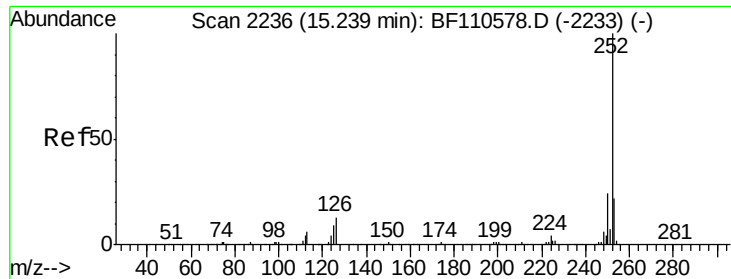
Sohil
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#88
Benzo(b)fluoranthene
Concen: 59.759 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	12.0	8.2	12.4





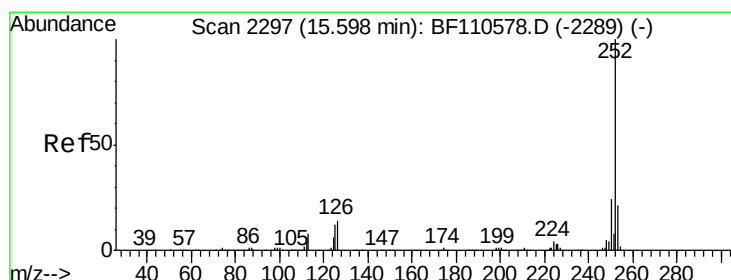
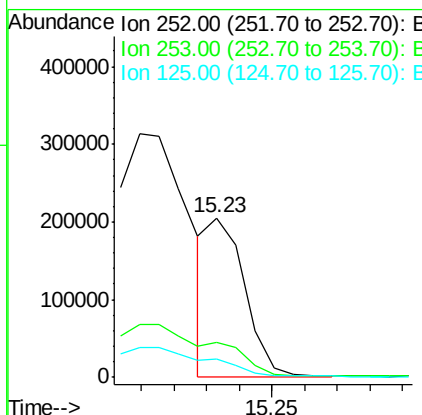
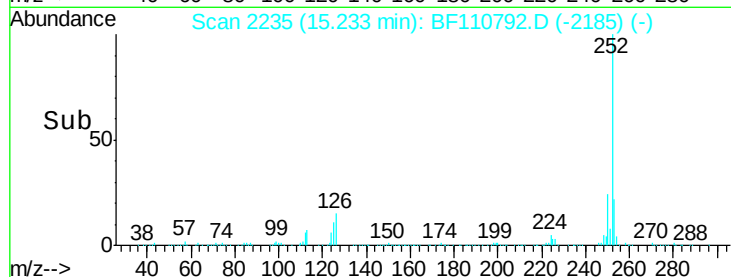
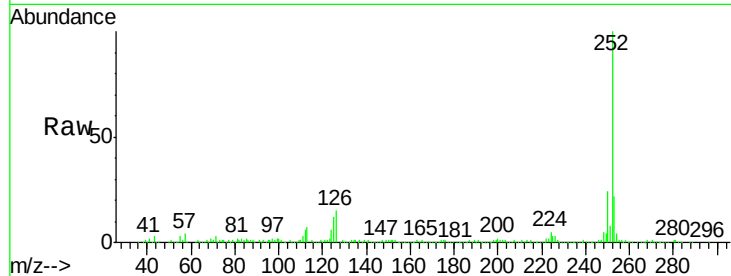
#89
Benzo(k)fluoranthene
Concen: 18.403 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Instrument :
BNA_F
ClientSampled :
VW-D1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.6	7.4	11.0

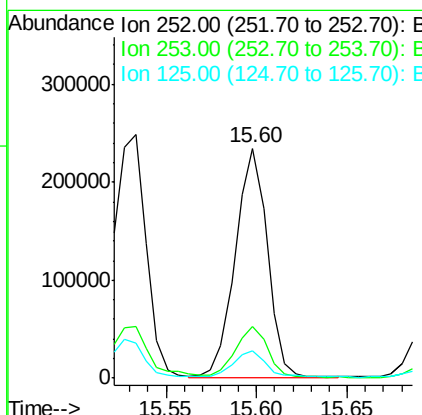
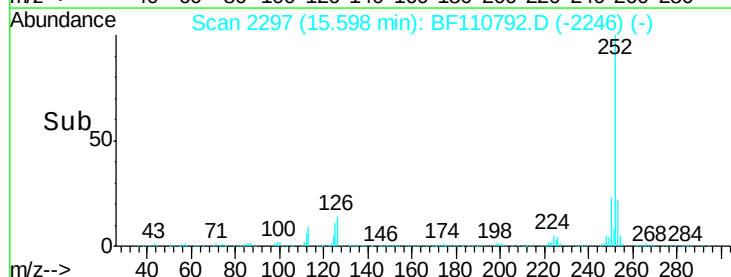
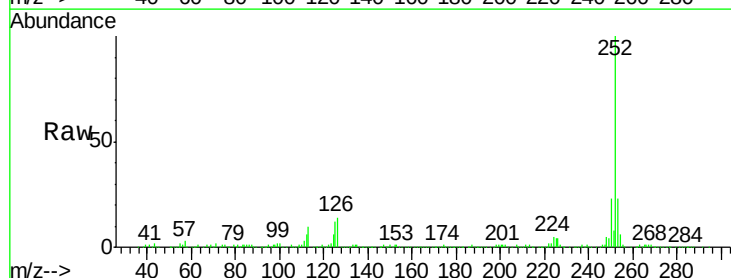
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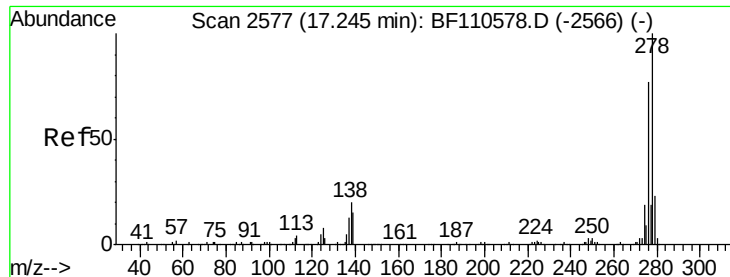
Sohil
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#90
Benzo(a)pyrene
Concen: 35.537 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.00 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	11.7	9.0	13.6





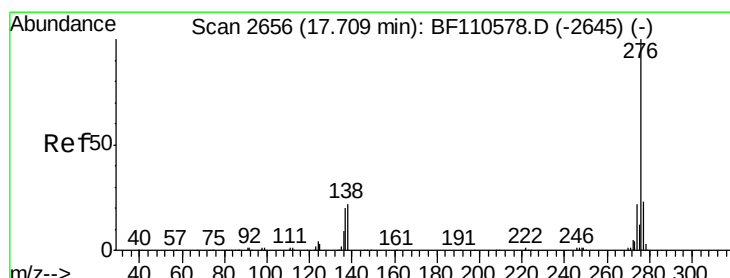
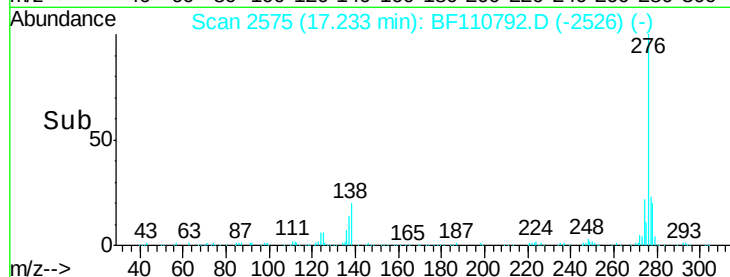
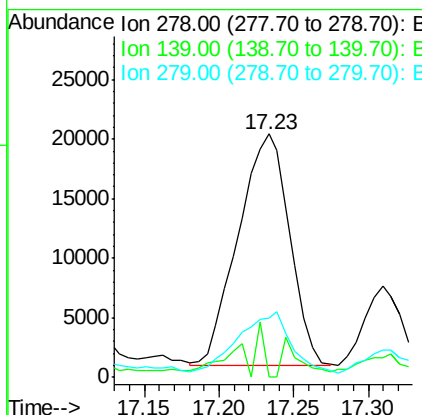
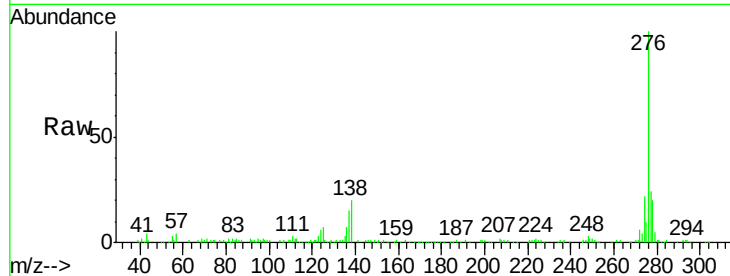
#91
Dibenzo(a,h)anthracene
Concen: 6.810 ng m
RT: 17.23 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Instrument :
BNA_F
ClientSampled :
VW-D1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	24.3	19.0	28.4

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#92
Benzo(g,h,i)perylene
Concen: 31.717 ng
RT: 17.72 min Scan# 2657
Delta R.T. 0.01 min
Lab File: BF110792.D
Acq: 15 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	22.1	16.0	24.0

