

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF110998.D
 Acq On : 27 Nov 2018 9:58
 Operator : JU/SJ
 Sample : J5770-07 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Manual Integrations
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 11/28/2018 4:41:50 PM

Quant Time: Nov 27 10:40:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 06:43:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	58051	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	229748	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	91910	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	137802	20.00	ng	0.00
76) Chrysene-d12	14.13	240	132441	20.00	ng	0.00
87) Perylene-d12	15.67	264	128357	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	165485	47.27	ng	0.00
7) Phenol-d6	6.57	99	206806	45.33	ng	0.00
23) Nitrobenzene-d5	7.50	82	128420	31.99	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	32843	35.98	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	214417	33.80	ng	0.00
79) Terphenyl-d14	13.06	244	156492	23.00	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.58	94	11164	2.173	ng	95
50) Dimethylphthalate	9.69	163	28794	4.272	ng	100
52) Acenaphthene	10.01	154	25404	4.536	ng	96
55) Dibenzofuran	10.19	168	23322	2.854	ng	# 96
58) Fluorene	10.53	166	38768	6.098	ng	97
71) Phenanthrene	11.50	178	259356	35.536	ng	98
72) Anthracene	11.56	178	71527	9.623	ng	98
73) Carbazole	11.72	167	14896	2.065	ng	# 94
75) Fluoranthene	12.70	202	234725	31.292	ng	99
78) Pyrene	12.93	202	218271	22.565	ng	98
81) Benzo(a)anthracene	14.12	228	101224	12.946	ng	99
83) Chrysene	14.16	228	91474	11.884	ng	98
86) Indeno(1,2,3-cd)pyrene	17.27	276	35644	6.451	ng	94
88) Benzo(b)fluoranthene	15.22	252	100720m	13.357	ng	
89) Benzo(k)fluoranthene	15.24	252	33602m	4.329	ng	
90) Benzo(a)pyrene	15.61	252	76679	10.925	ng	# 97
92) Benzo(a,h,i)perylene	17.76	276	33362	5.975	ng	97

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

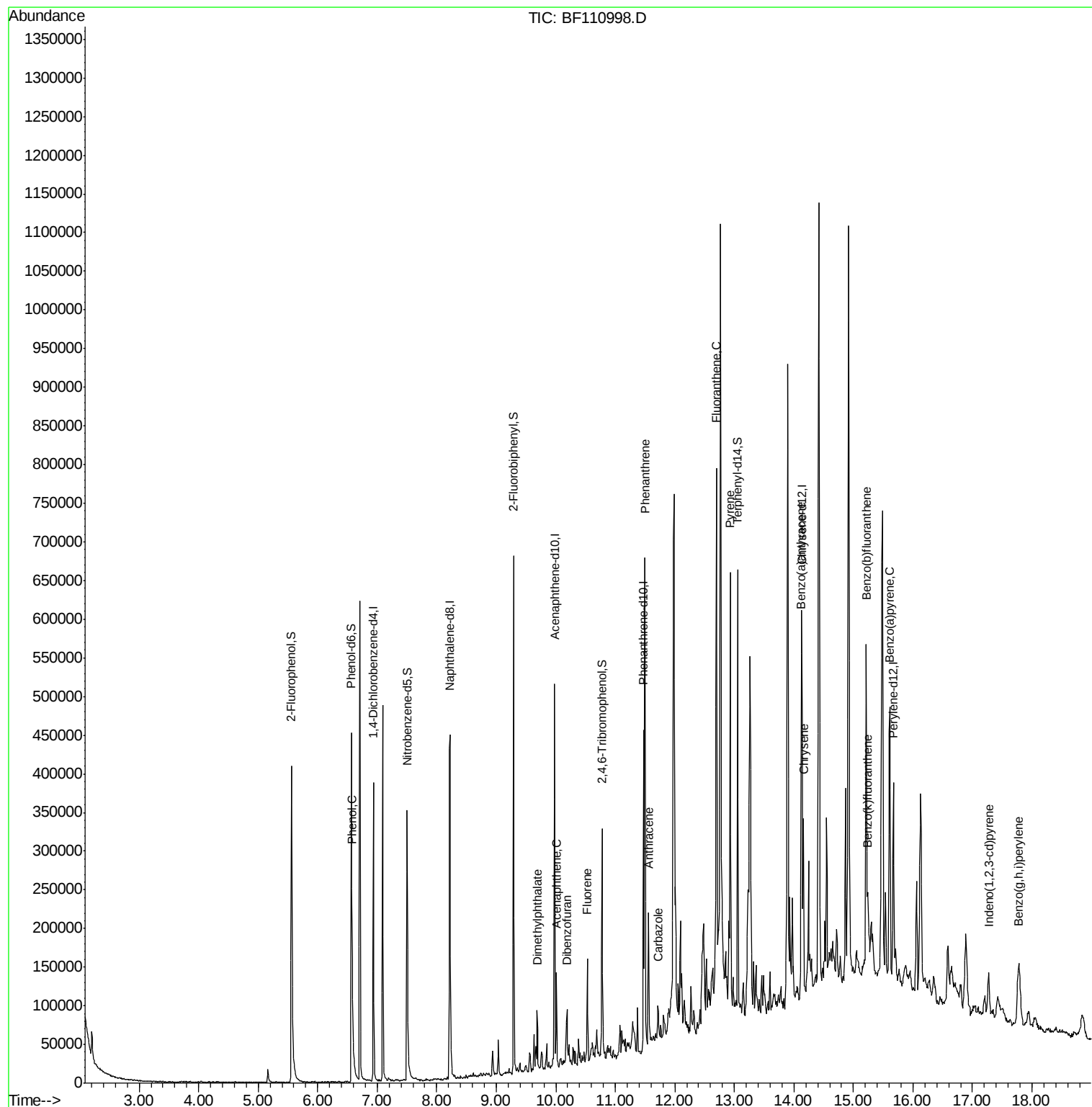
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF110998.D
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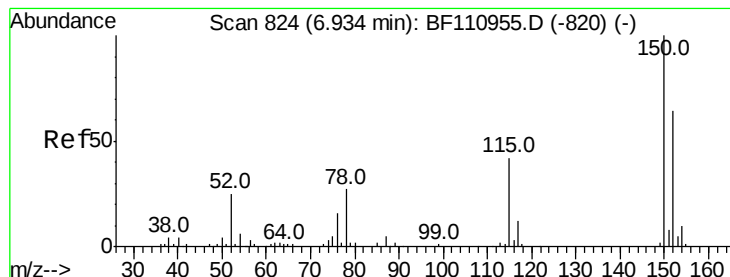
Instrument :
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Quant Time: Nov 27 10:40:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 06:43:50 2018
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#1

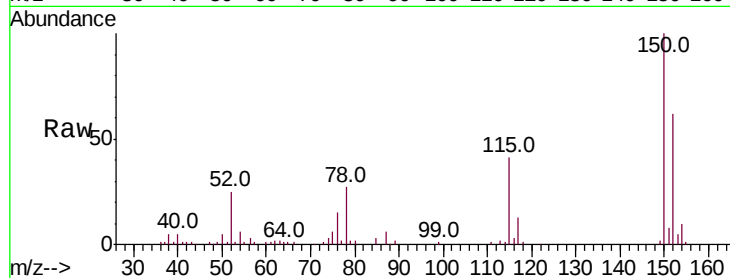
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	122.7	184.1
115	65.3	49.1	73.7

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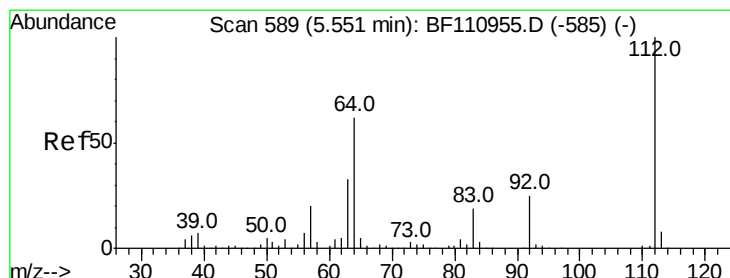
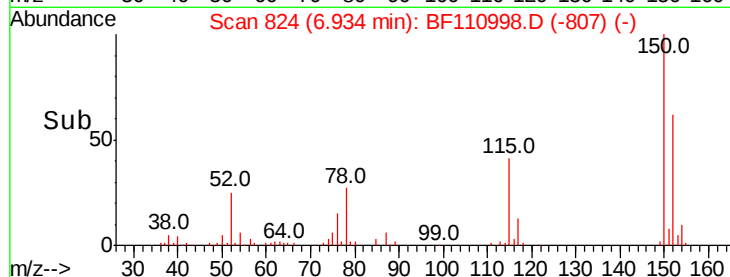
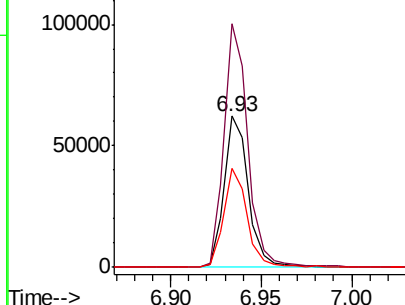


Abundance

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: 47.273 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

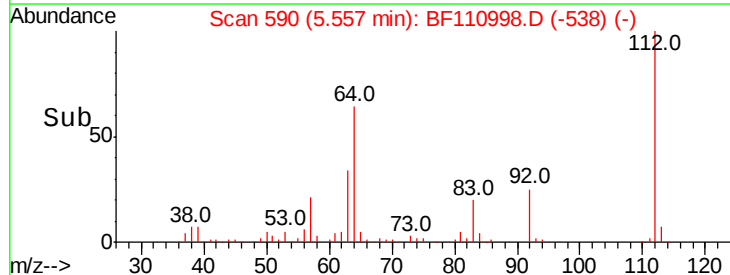
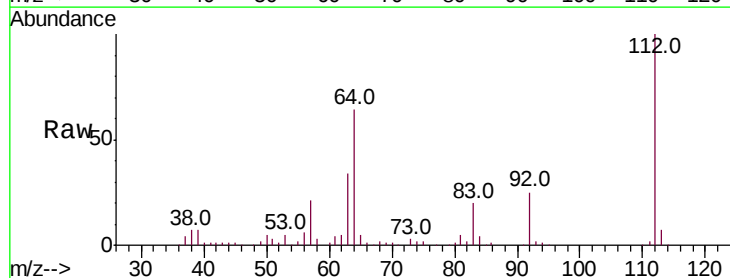
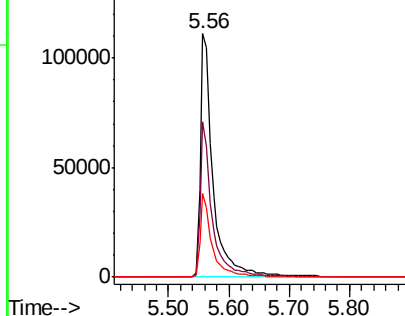
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	44.1	66.1
63	34.2	23.7	35.5

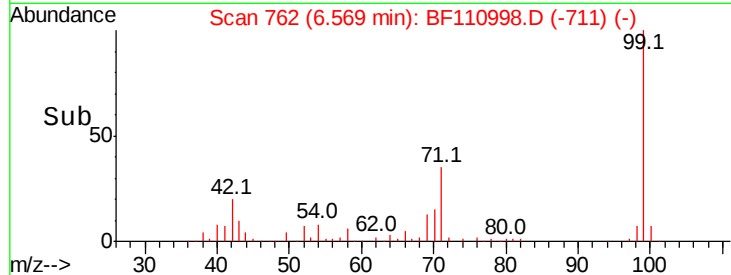
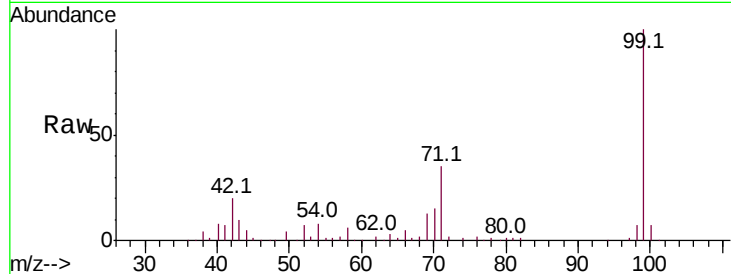
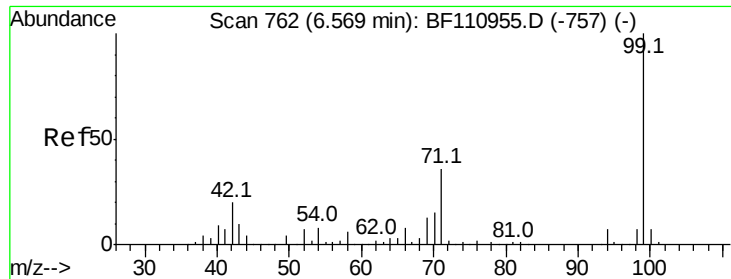
Abundance

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: 45.334 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF110998.D

Acq: 27 Nov 2018 9:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		206806		
42	20.1	15.8	23.6		
71	35.0	28.0	42.0		

Instrument :

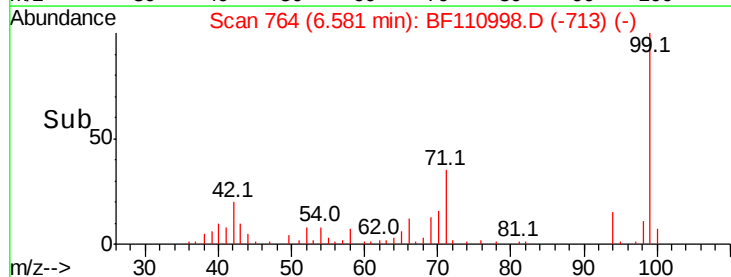
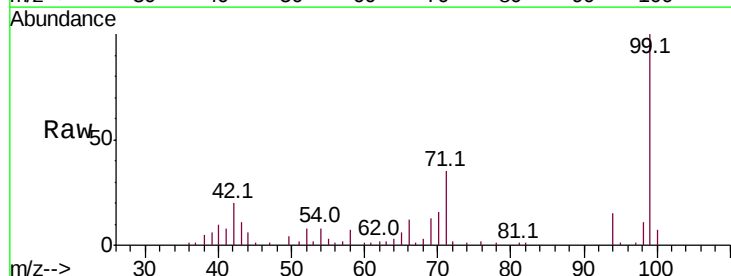
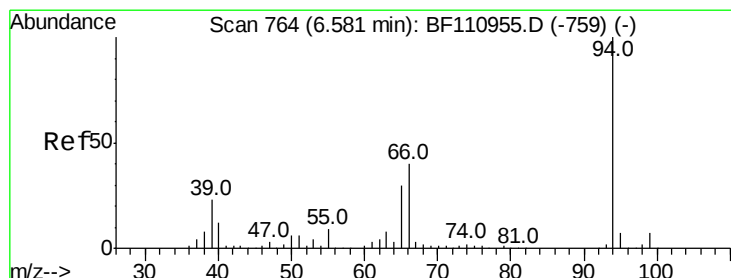
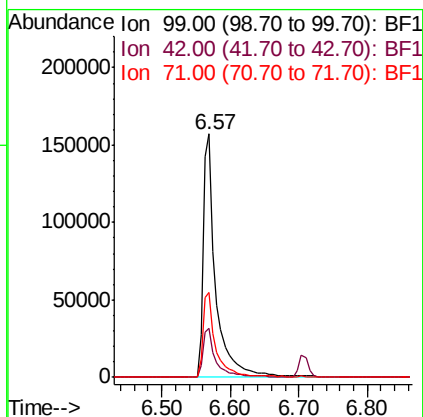
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ClientSampleId :

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#10

Phenol

Concen: 2.173 ng

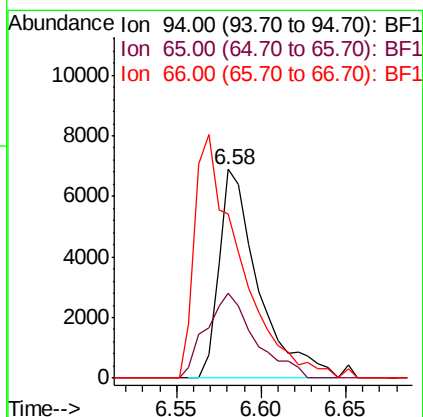
RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF110998.D

Acq: 27 Nov 2018 9:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		11164		
65	40.9	25.3	65.3		
66	78.3	54.5	94.5		





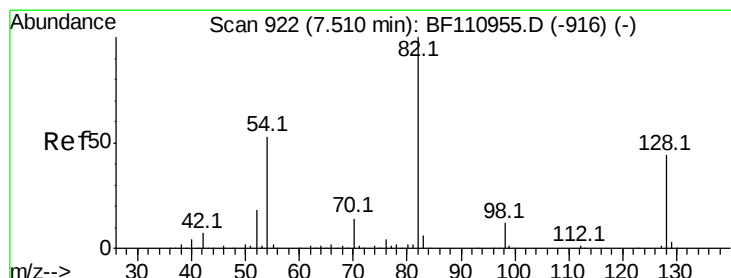
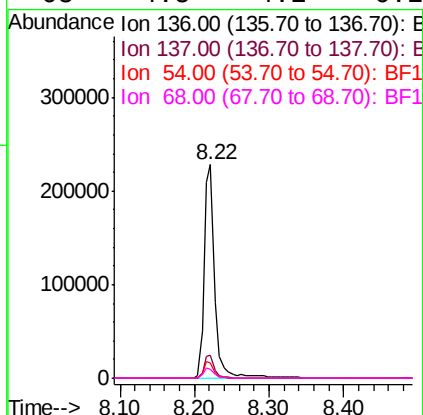
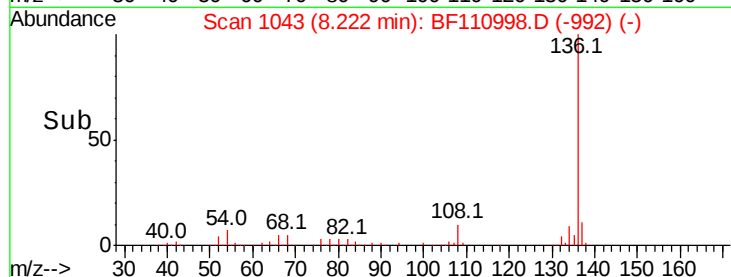
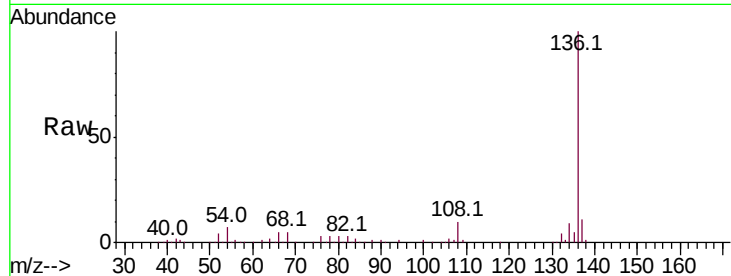
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.8	13.2	
54	7.1	5.4	8.2	
68	4.5	4.2	6.2	

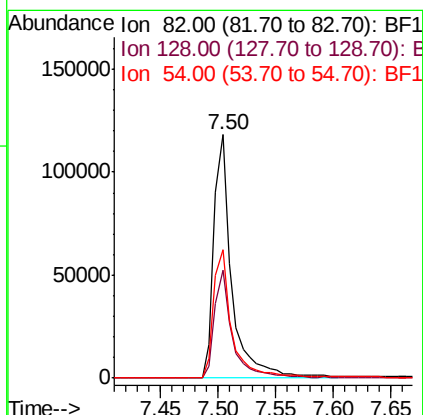
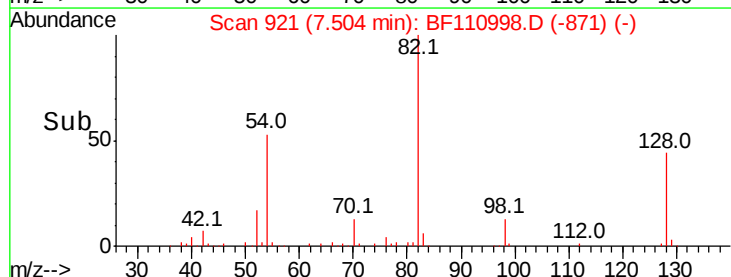
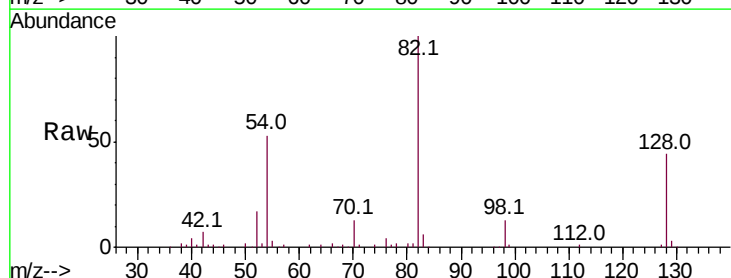
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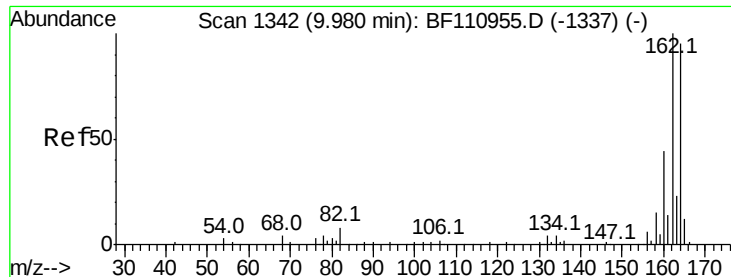
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#23
Nitrobenzene-d5
Concen: 31.990 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	34.2	51.2	
54	52.7	38.6	58.0	





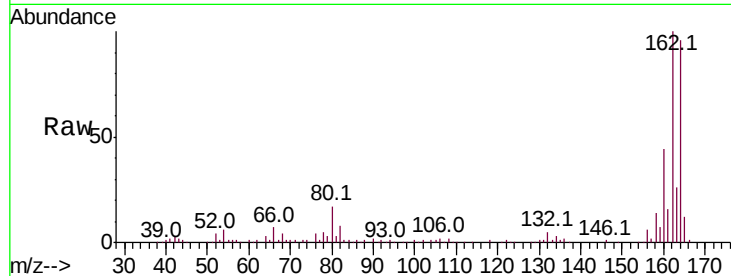
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.0	124.6
160	45.4	37.0	55.6

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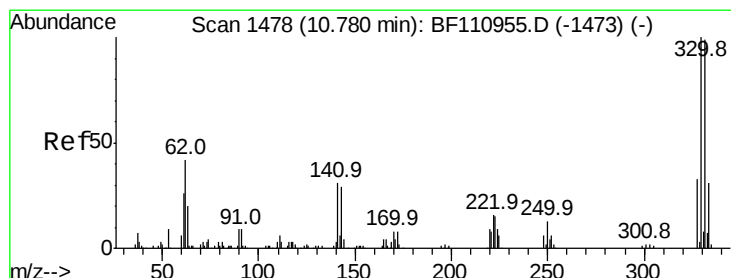
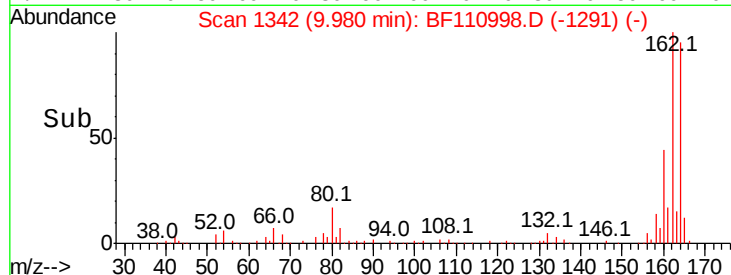
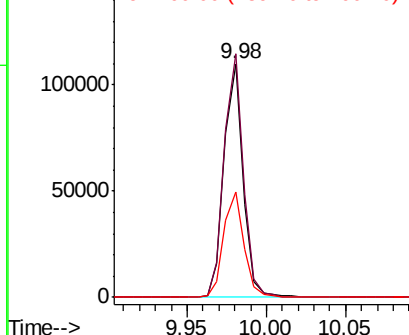


Abundance

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



#42
2,4,6-Tribromophenol
Concen: 35.981 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

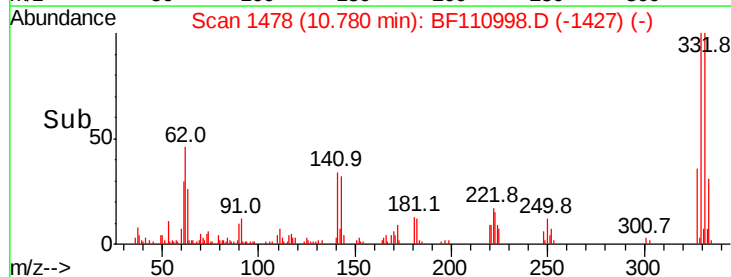
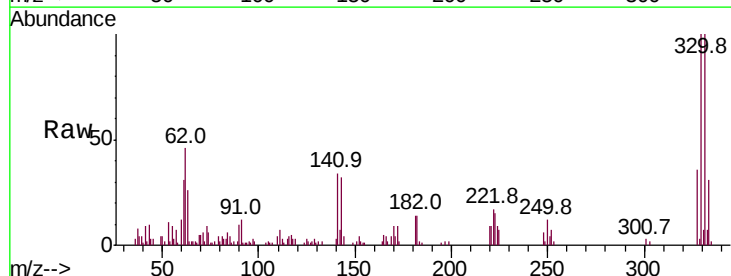
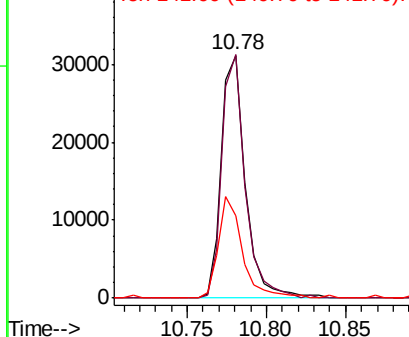
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	41.8	27.0	40.4

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





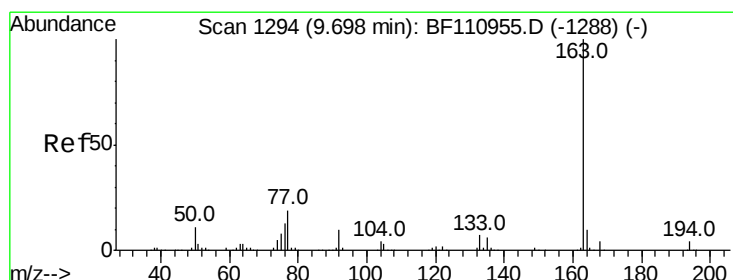
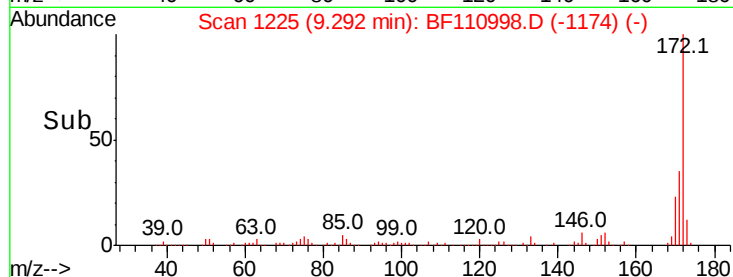
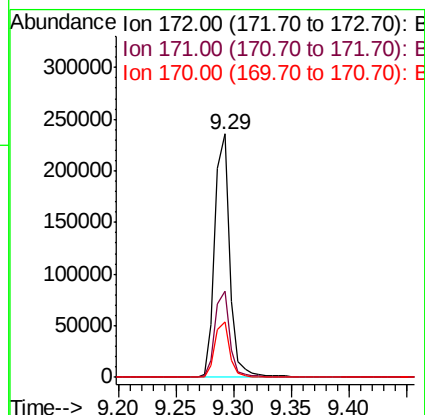
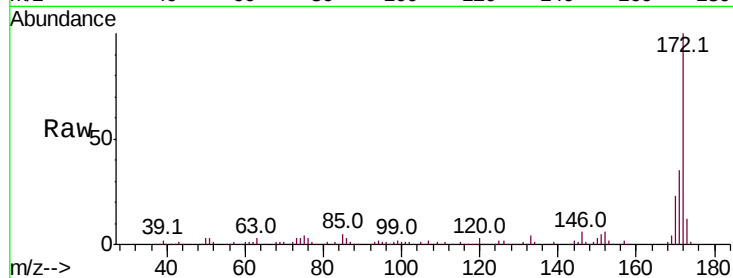
#45
2-Fluorobiphenyl
Concen: 33.798 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	214417		
171	35.3		28.6	43.0
170	23.0		19.7	29.5

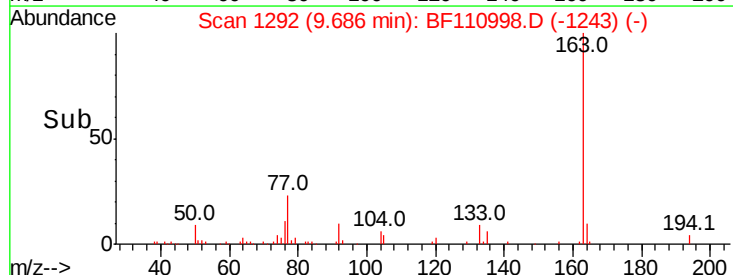
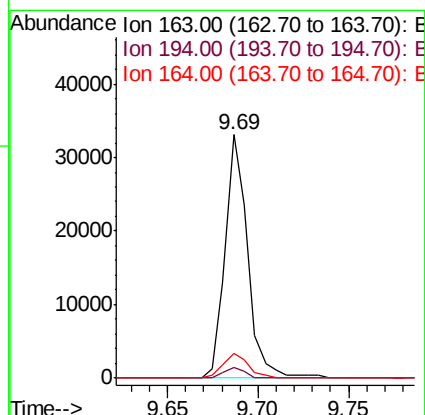
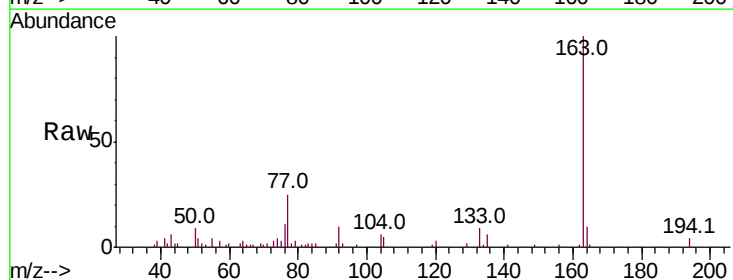
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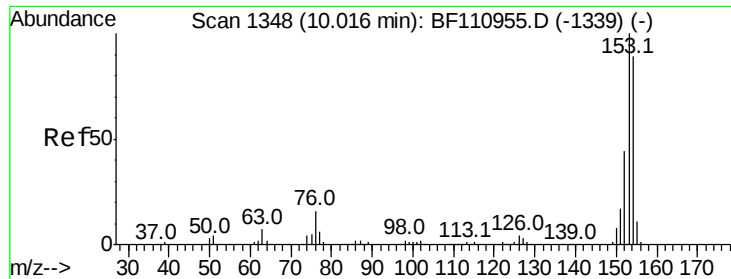
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#50
Dimethylphthalate
Concen: 4.272 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	28794		
194	4.1		3.2	4.8
164	10.0		8.1	12.1





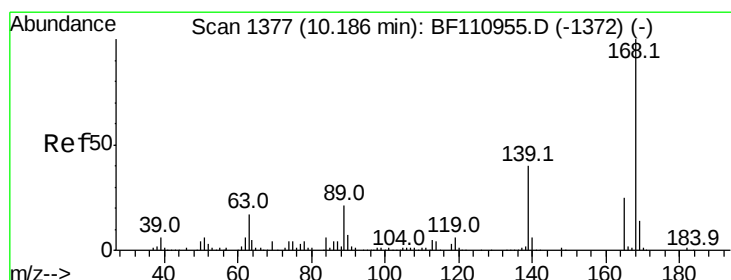
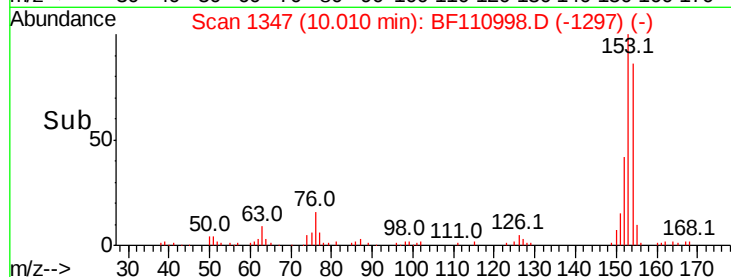
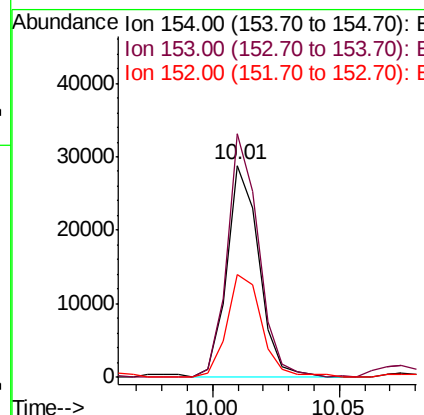
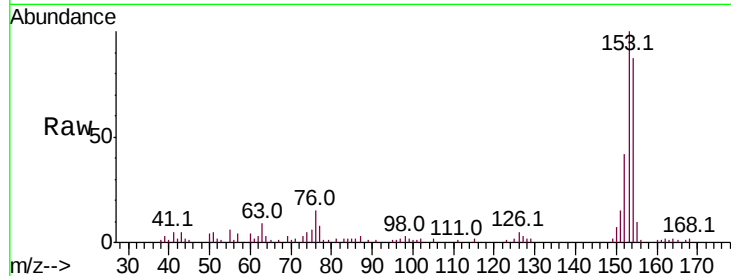
#52
Acenaphthene
Concen: 4.536 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.1	135.1
152	48.6	43.4	65.2

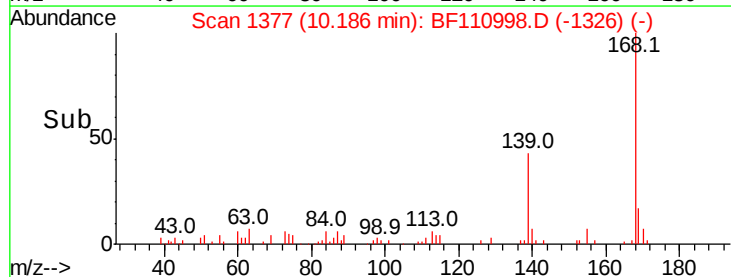
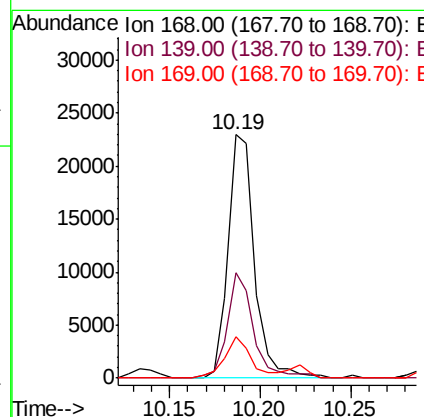
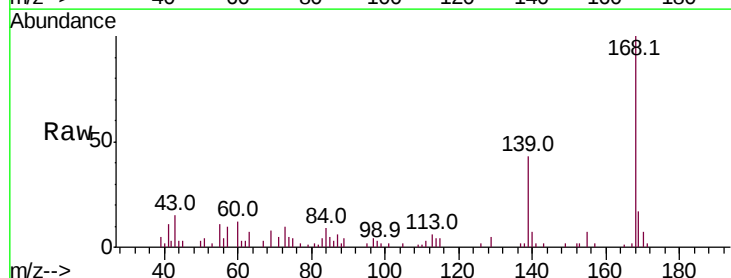
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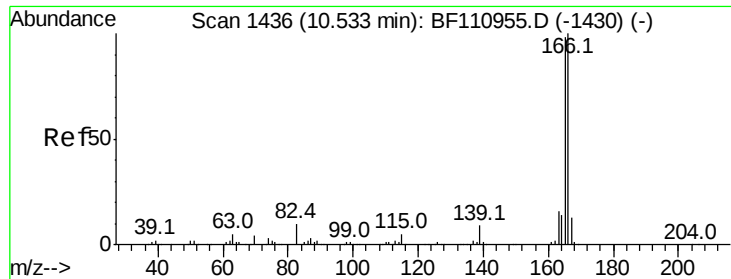
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#55
Dibenzofuran
Concen: 2.854 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.2	33.0	49.6
169	17.0	11.3	16.9#





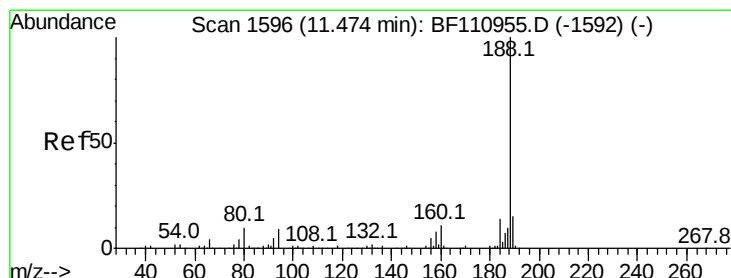
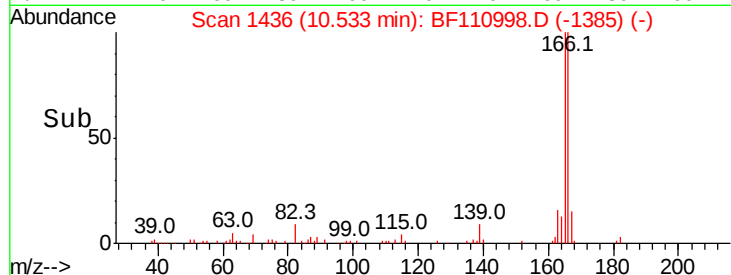
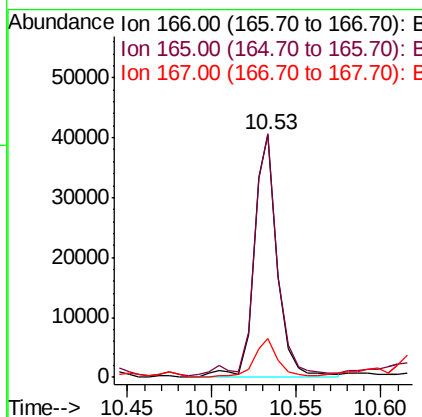
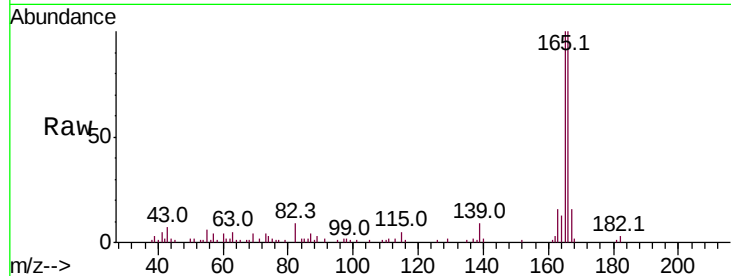
#58
 Fluorene
 Concen: 6.098 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.6	117.8
167	16.0	10.8	16.2

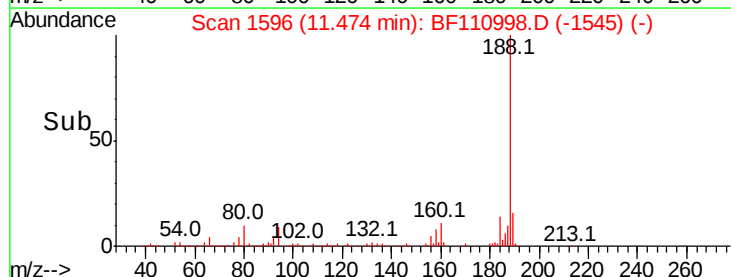
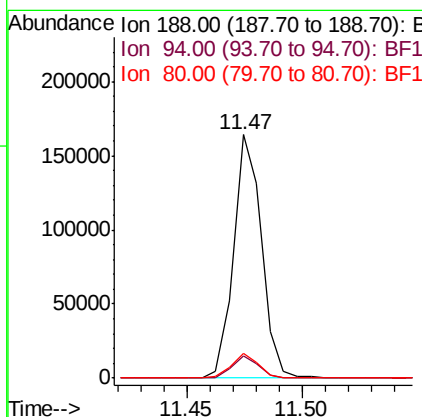
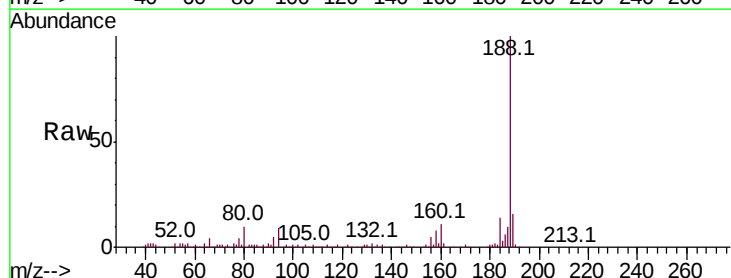
Manual Integrations
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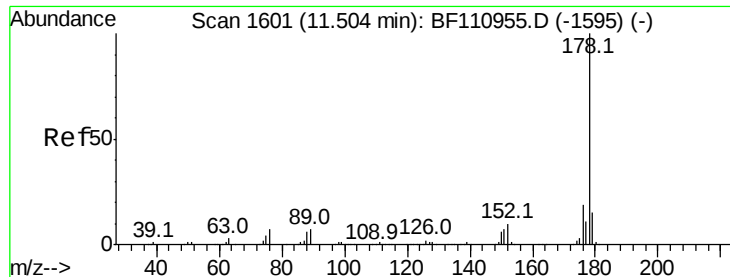
mohammad
 11/28/2018 4:41:50 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.0	7.9	11.9





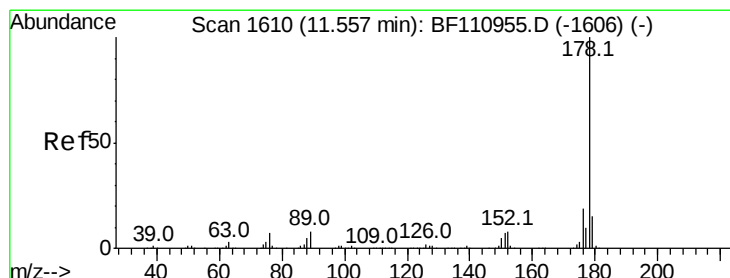
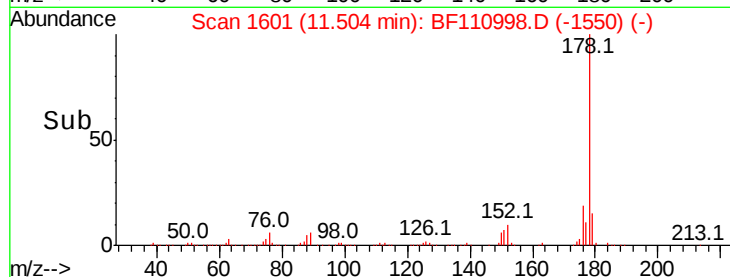
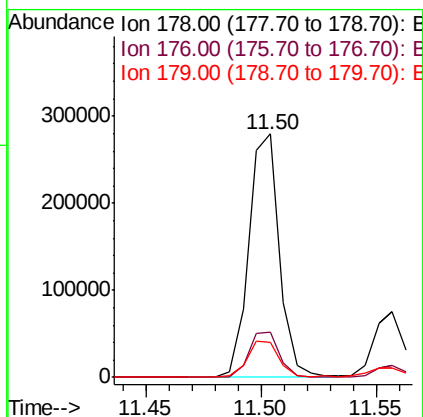
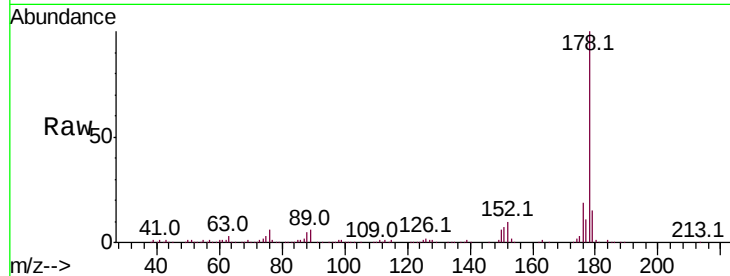
#71
 Phenanthrene
 Concen: 35.536 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	14.6	12.5	18.7

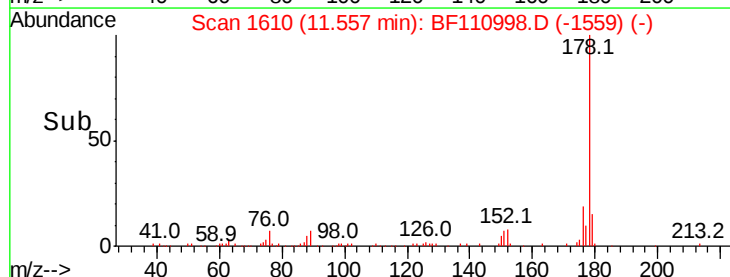
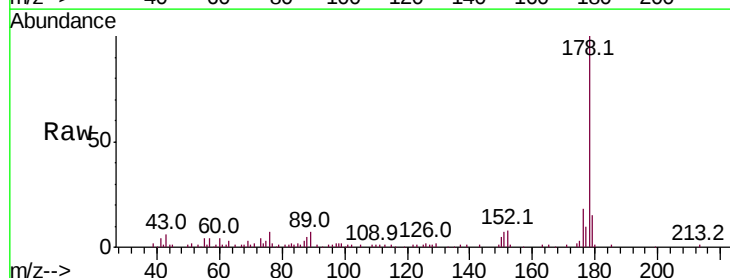
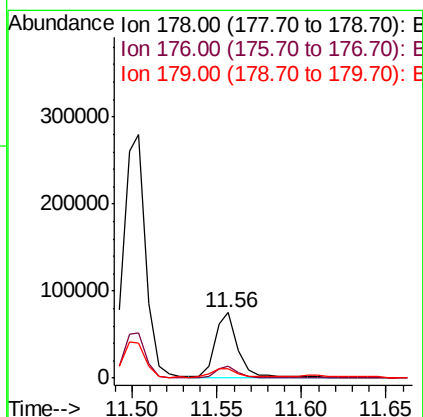
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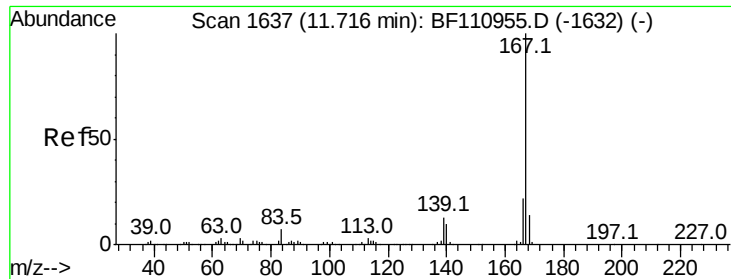
mohammad
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#72
 Anthracene
 Concen: 9.623 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.7	12.6	18.8





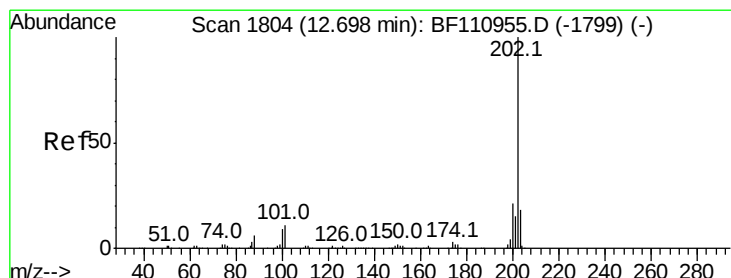
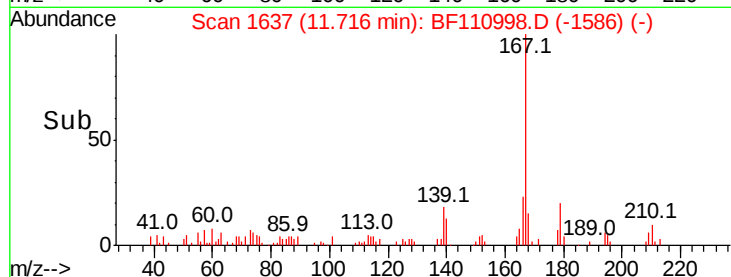
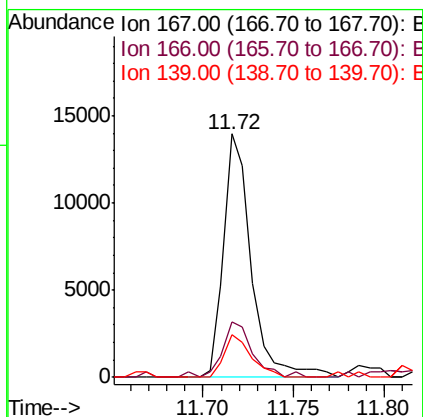
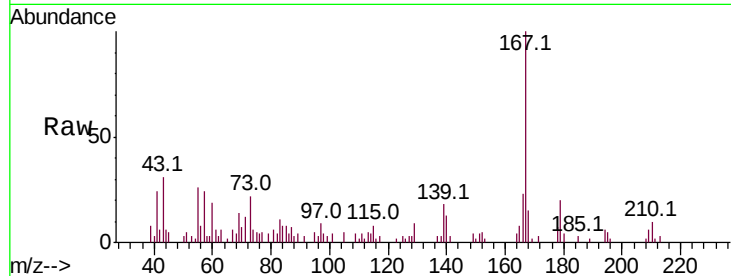
#73
 Carbazole
 Concen: 2.065 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	23.0	17.4	26.0
139	17.7	10.9	16.3#

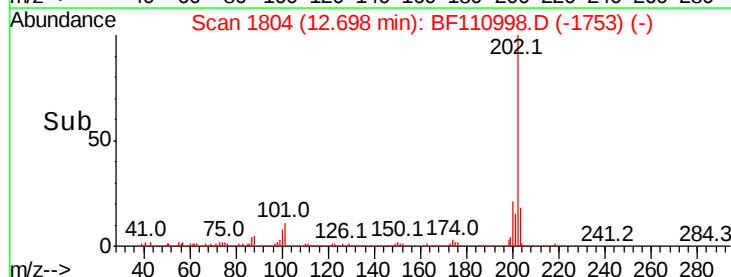
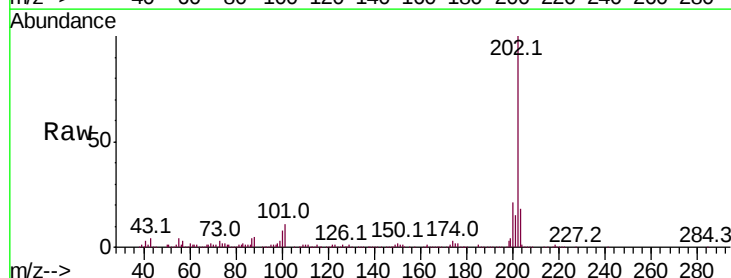
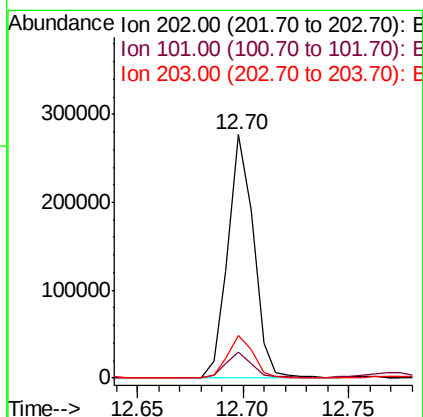
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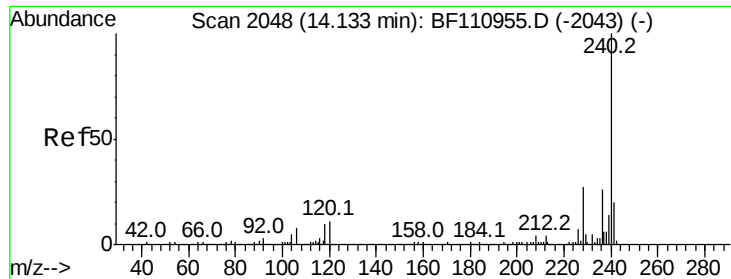
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#75
 Fluoranthene
 Concen: 31.292 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.5	0.0	37.7





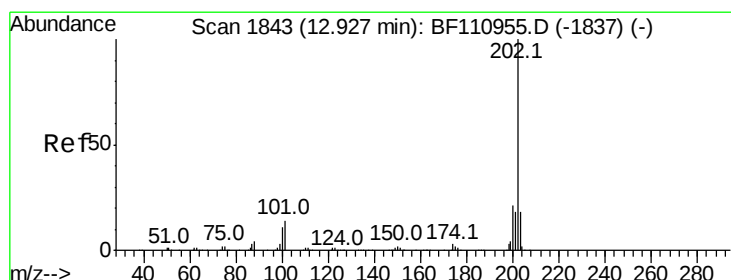
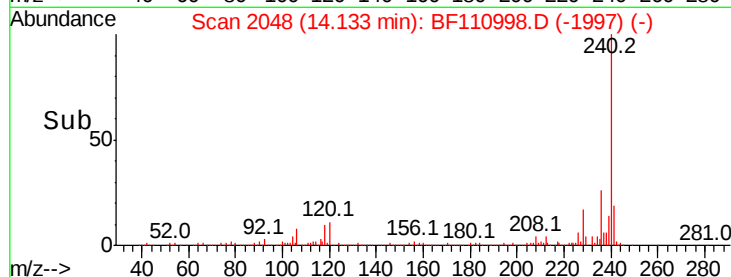
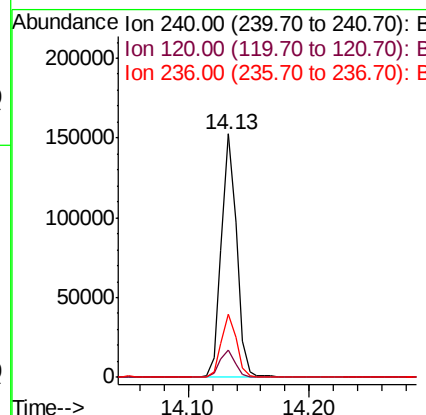
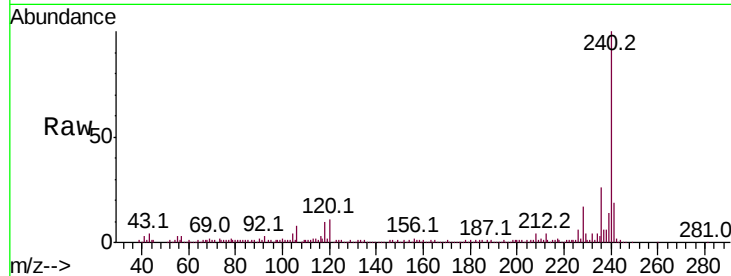
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.3	12.5
236	26.1	21.2	31.8

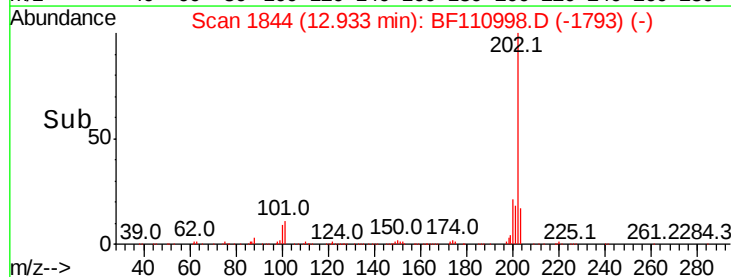
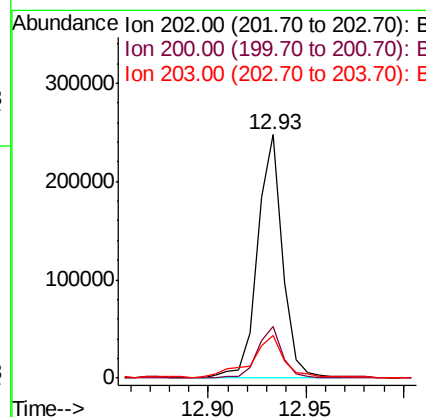
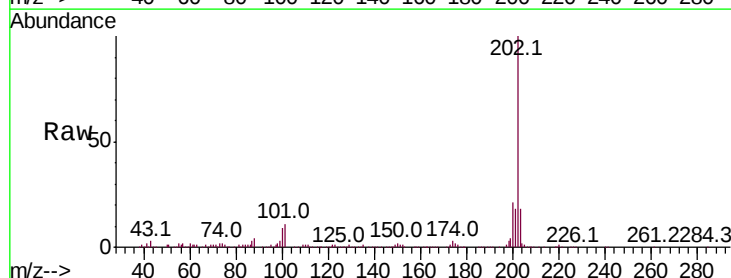
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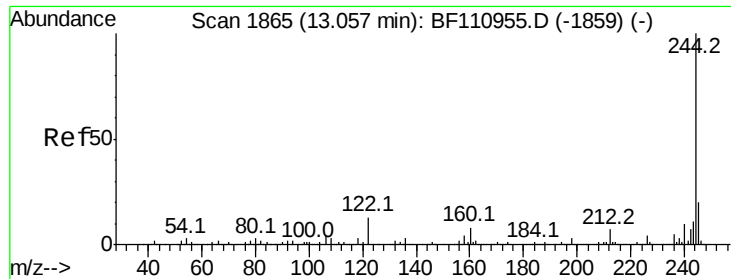
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#78
 Pyrene
 Concen: 22.565 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.7	14.2	21.4





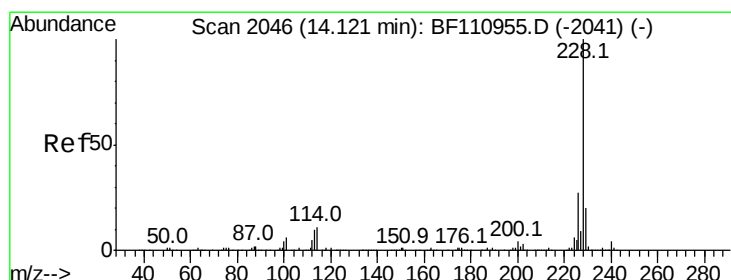
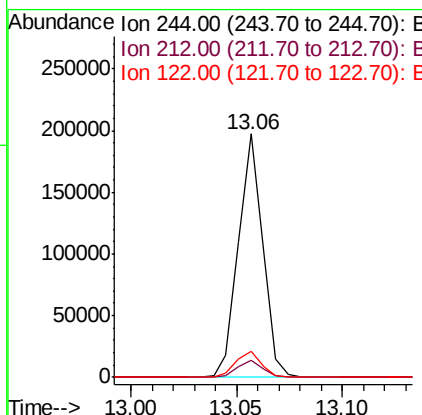
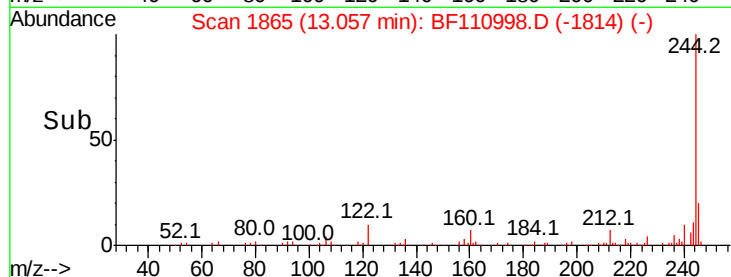
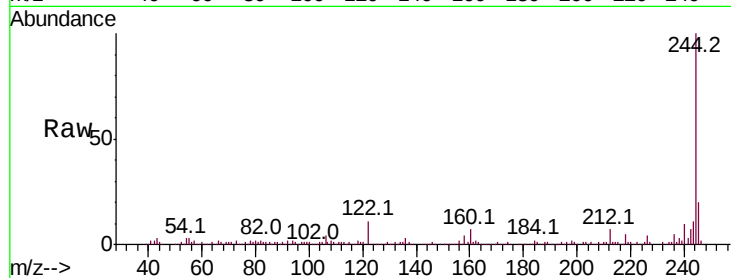
#79
 Terphenyl-d14
 Concen: 23.001 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.8	8.7	13.1

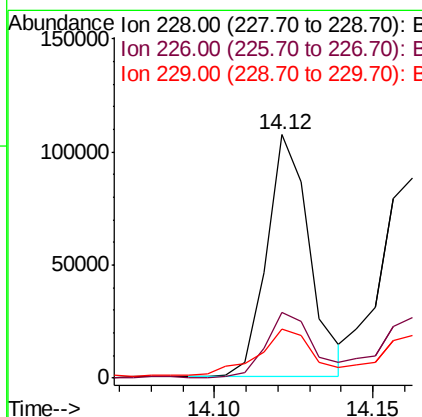
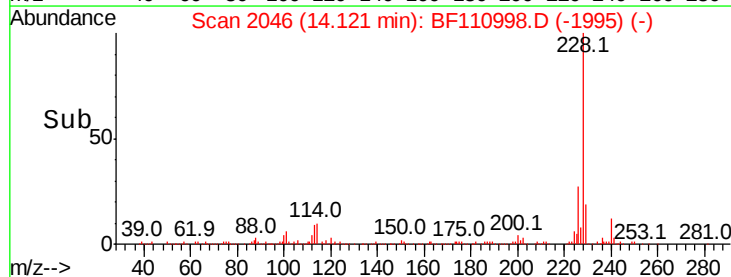
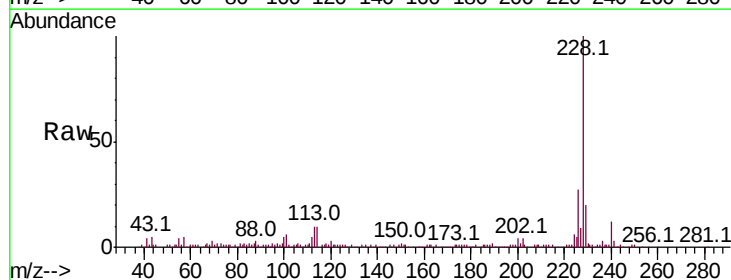
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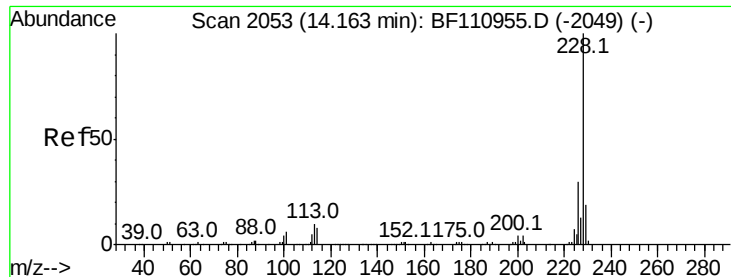
mohammad
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#81
 Benzo(a)anthracene
 Concen: 12.946 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	20.0	15.6	23.4





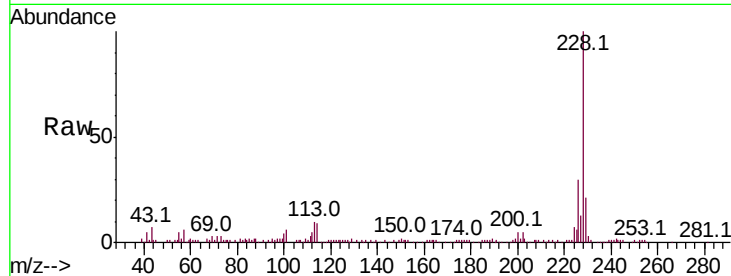
#83
Chrysene
Concen: 11.884 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	21.2	15.9	23.9

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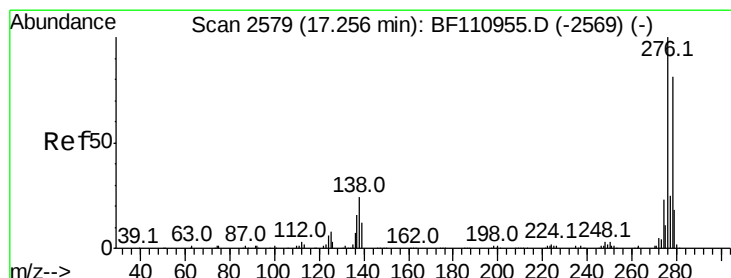
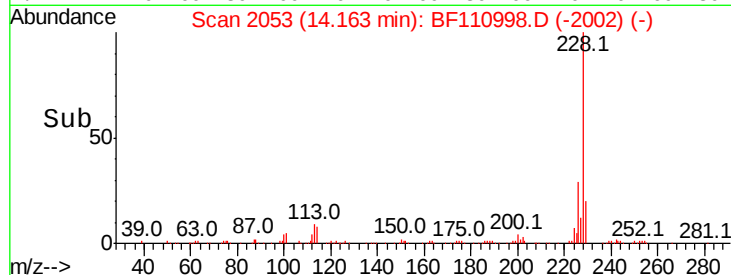
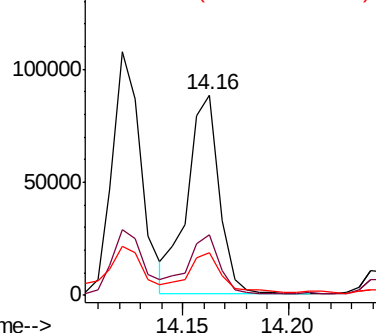


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.451 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.02 min
Lab File: BF110998.D
Acq: 27 Nov 2018 9:58

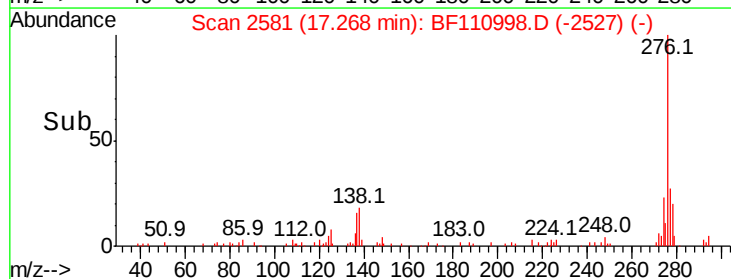
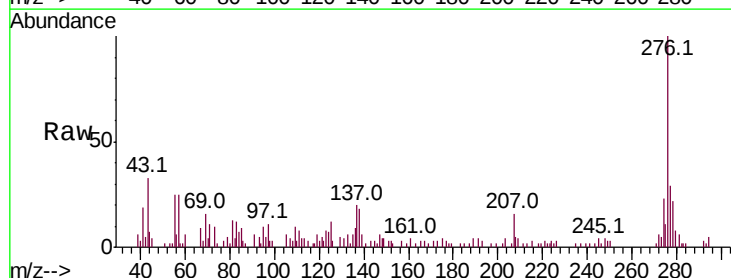
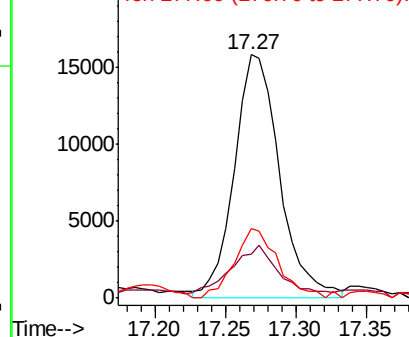
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.5	27.7
277	27.2	20.0	30.0

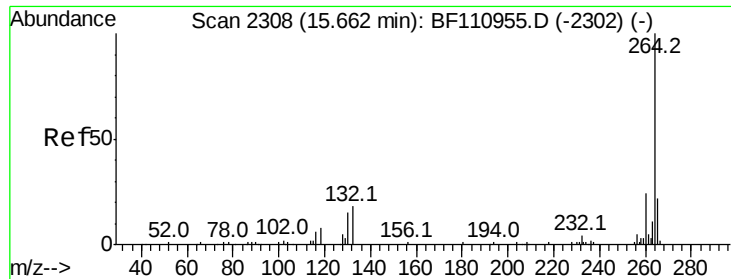
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110998.D

Acq: 27 Nov 2018 9:58

Instrument :

BNA_F

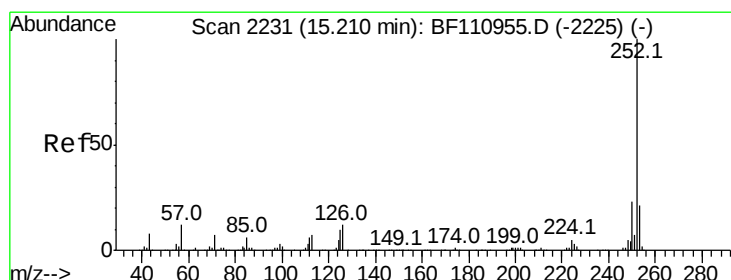
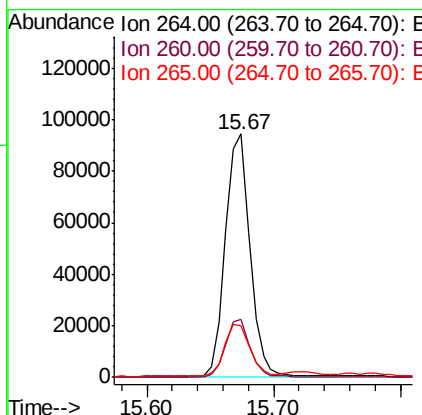
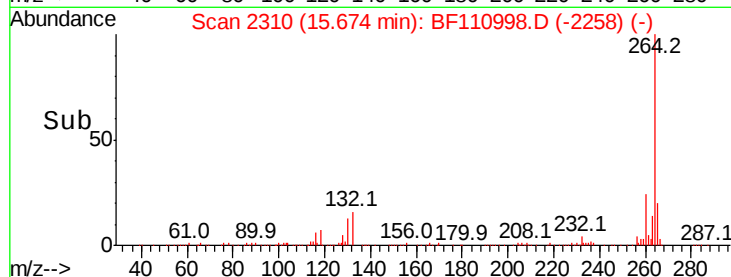
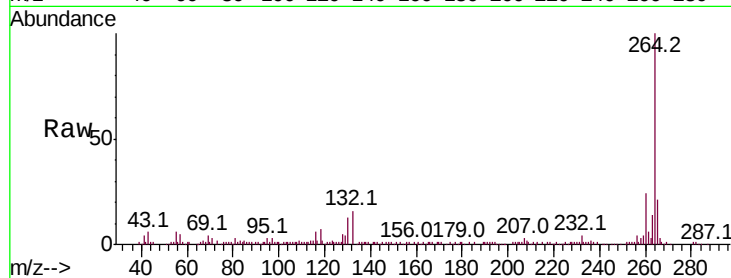
ClientSampleId :

OR-02-112118-B

Tot Ion:	264	Resp:	128357
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	20.9	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 13.357 ng m

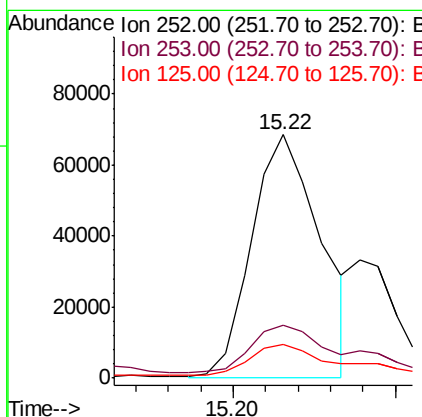
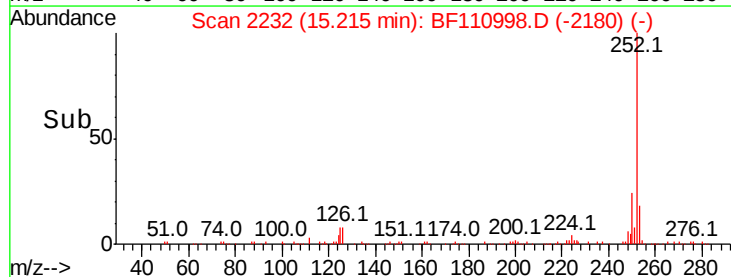
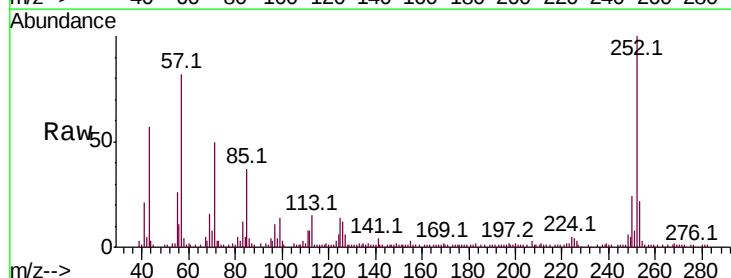
RT: 15.22 min Scan# 2232

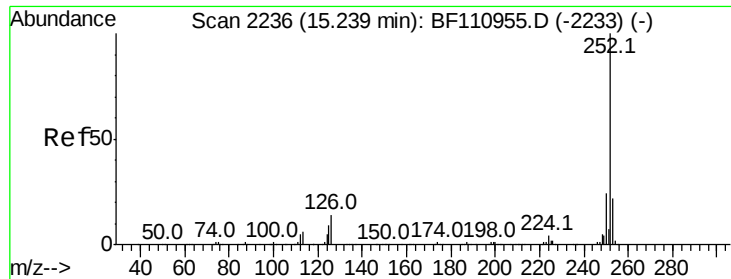
Delta R.T. 0.01 min

Lab File: BF110998.D

Acq: 27 Nov 2018 9:58

Tgt Ion:	252	Resp:	100720
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.2	25.8
125	13.9	8.2	12.4#





#89

Benzo(k)fluoranthene

Concen: 4.329 ng m

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF110998.D

Acq: 27 Nov 2018 9:58

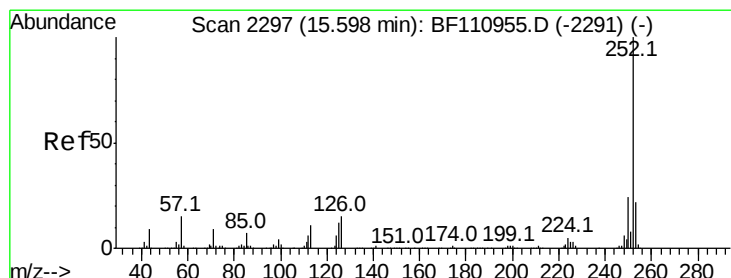
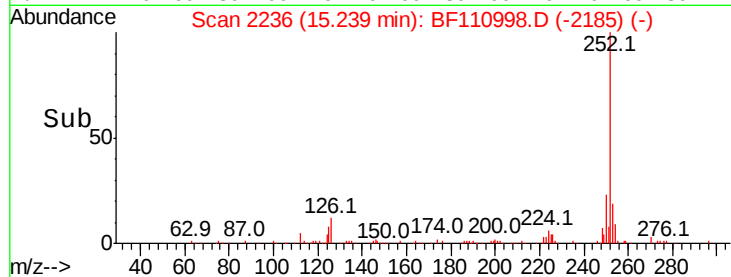
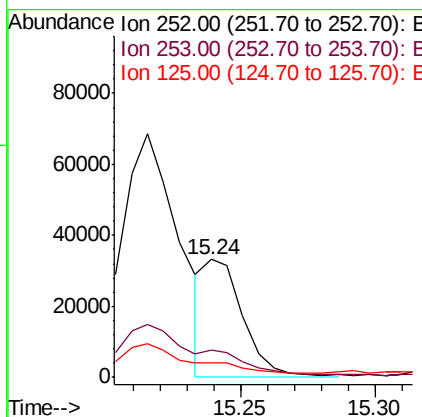
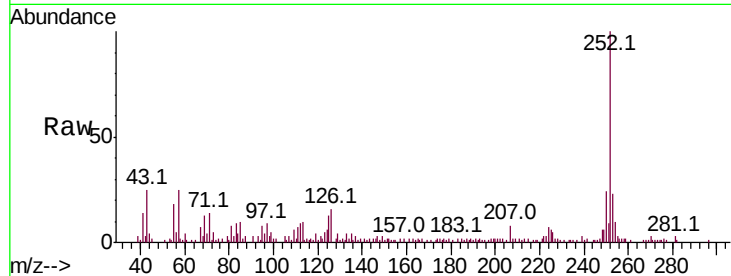
Instrument :
BNA_F

ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	12.8	7.4	11.0

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#90

Benzo(a)pyrene

Concen: 10.925 ng

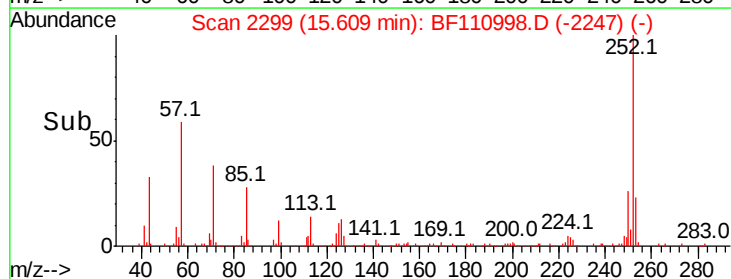
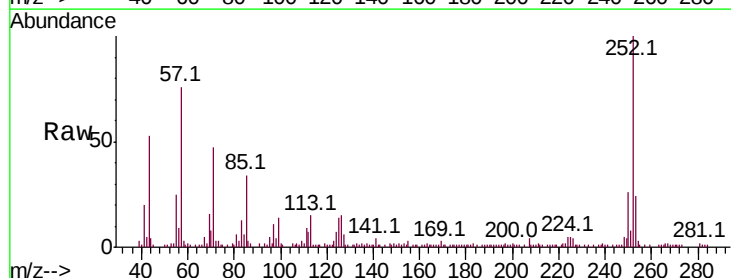
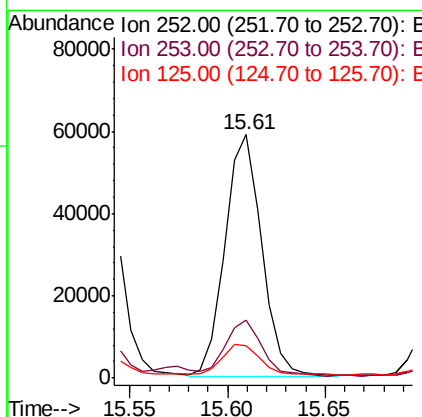
RT: 15.61 min Scan# 2299

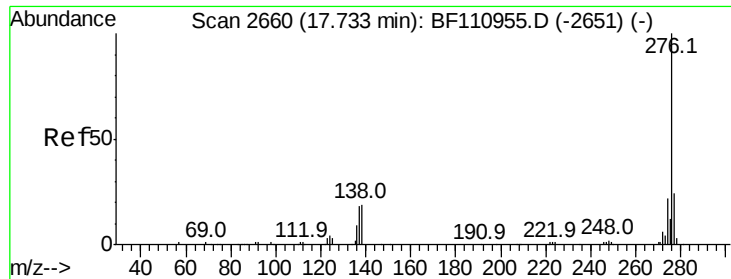
Delta R.T. 0.01 min

Lab File: BF110998.D

Acq: 27 Nov 2018 9:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	13.6	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.975 ng
 RT: 17.76 min Scan# 2665
 Delta R.T. 0.02 min
 Lab File: BF110998.D
 Acq: 27 Nov 2018 9:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.9	18.8	28.2		
138	21.2	16.0	24.0		

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