

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108353.D
 Acq On : 21 Aug 2018 22:30
 Operator : JU/SJ
 Sample : J4497-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Manual Integrations
 APPROVED

Sohil
 8/22/2018 4:03:12 PM

Quant Time: Aug 22 00:44:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	176109	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	641768	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	292198	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	491326	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	375787	20.00	ng	-0.02
86) Perylene-d12	15.75	264	335014	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	940656	96.70	ng	0.00
7) Phenol-d6	6.63	99	1257101	97.25	ng	0.00
23) Nitrobenzene-d5	7.57	82	830204	72.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	291576	100.04	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	1491202	81.93	ng	-0.02
78) Terphenyl-d14	13.13	244	1180083	79.84	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.75	163	108155	5.314	ng	100
70) Phenanthrene	11.57	178	75412	3.254	ng	98
74) Fluoranthene	12.76	202	151394	5.986	ng	96
77) Pyrene	13.00	202	141611	5.952	ng	98
80) Benzo(a)anthracene	14.18	228	76837	3.563	ng	98
82) Chrysene	14.22	228	72952	3.690	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	41166	2.403	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	100927m	5.042	ng	
89) Benzo(a)pyrene	15.68	252	63424	3.538	ng	97
91) Benzo(g,h,i)perylene	17.85	276	39276	2.689	ng	# 90

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

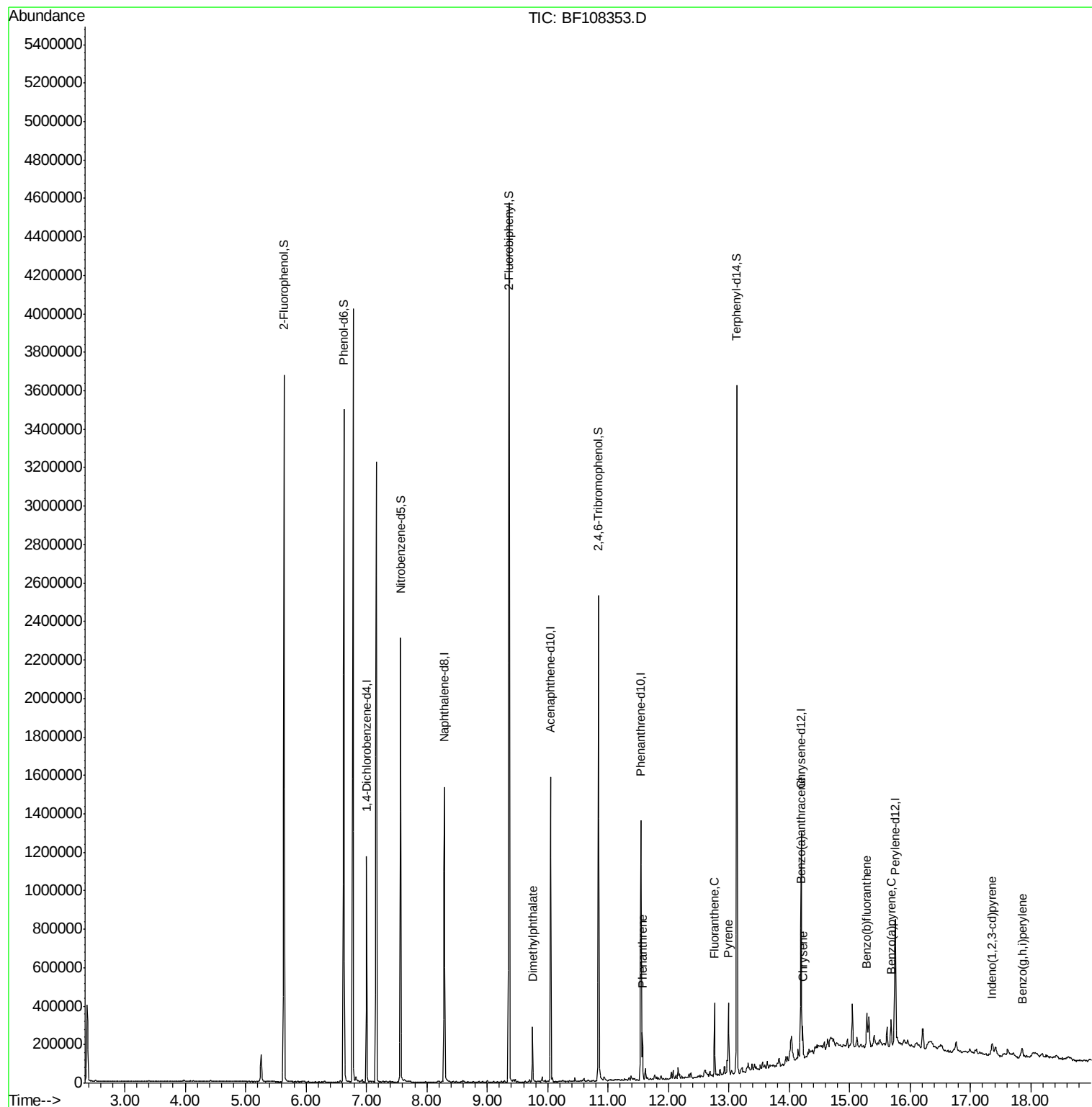
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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#1

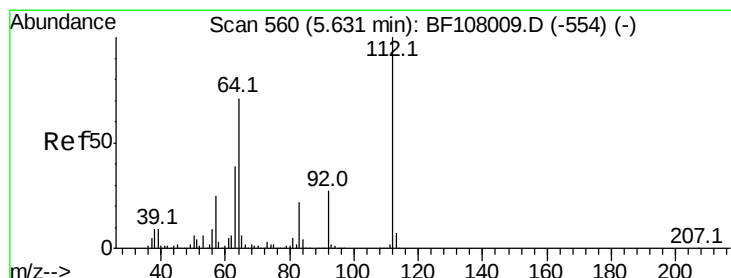
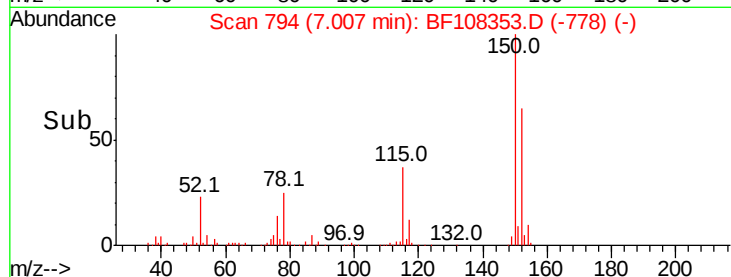
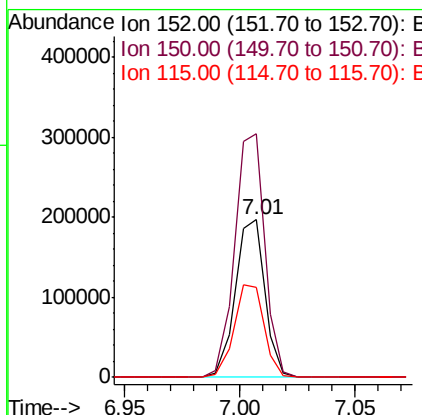
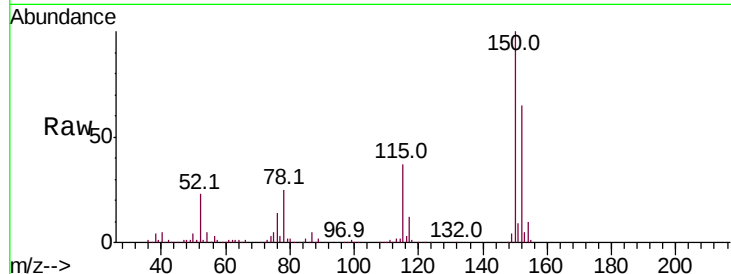
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	56.9	50.1	75.1

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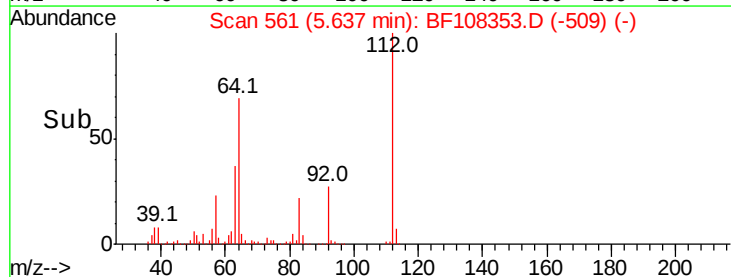
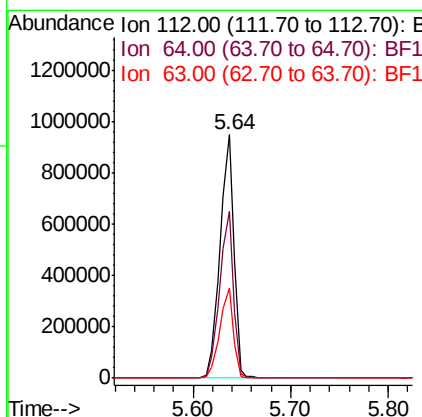
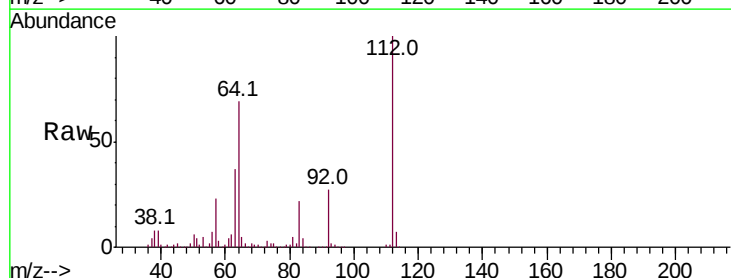
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#5

2-Fluorophenol
Concen: 96.702 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	47.9	71.9
63	36.8	23.7	35.5#





#7

Phenol-d6

Concen: 97.251 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE

Tot Ion: 99 Resp: 1257101

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7#

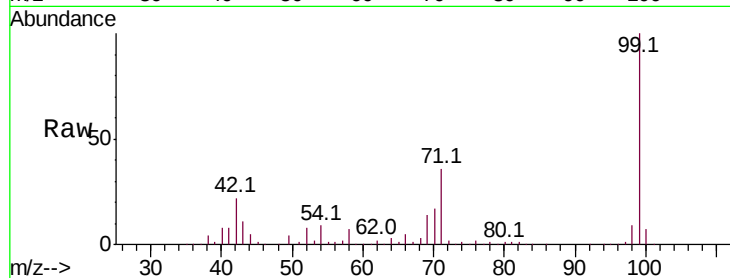
71 36.3 25.4 38.0

Manual Integrations

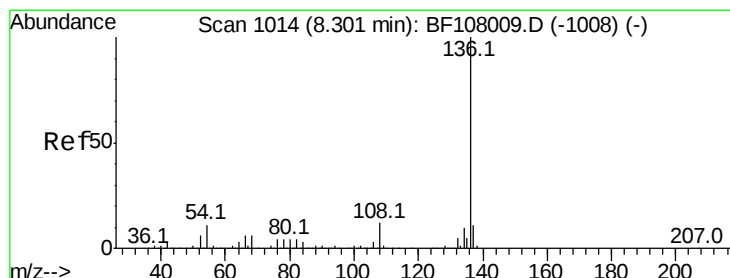
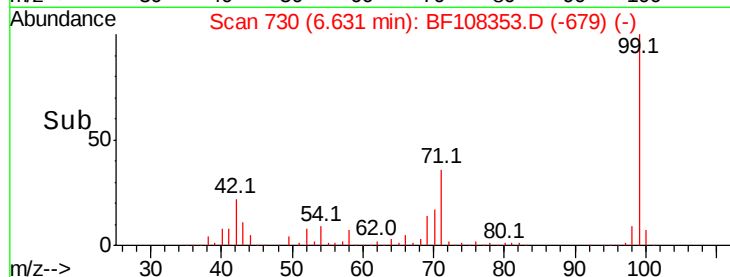
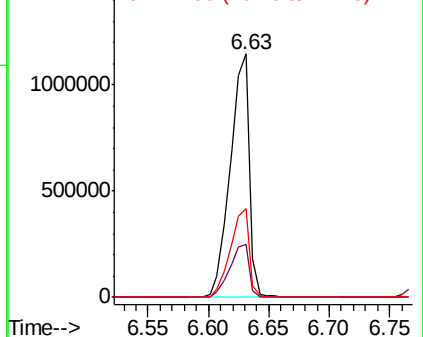
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Tgt Ion: 136 Resp: 641768

Ion Ratio Lower Upper

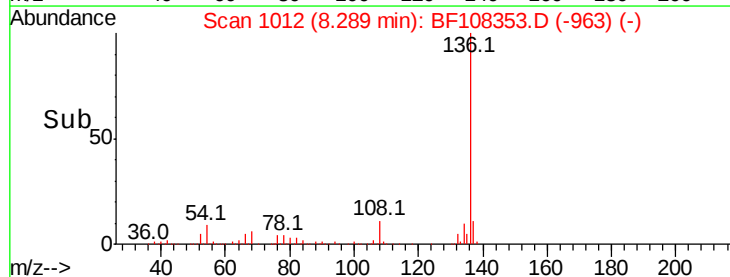
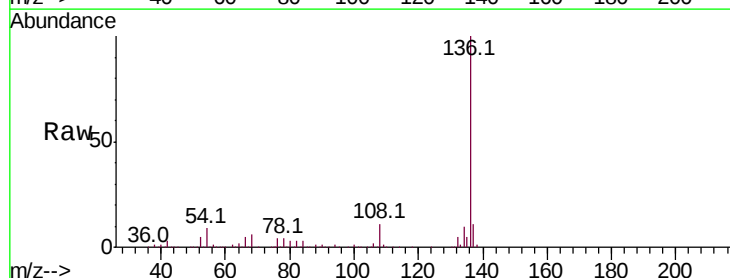
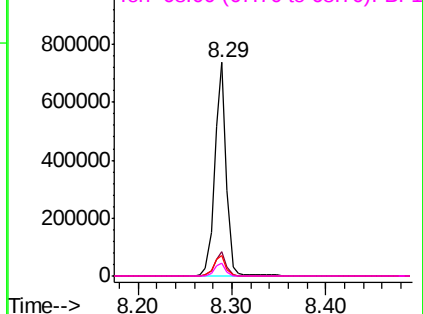
136 100

137 11.3 8.9 13.3

54 9.5 6.6 9.8

68 6.1 5.0 7.4

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





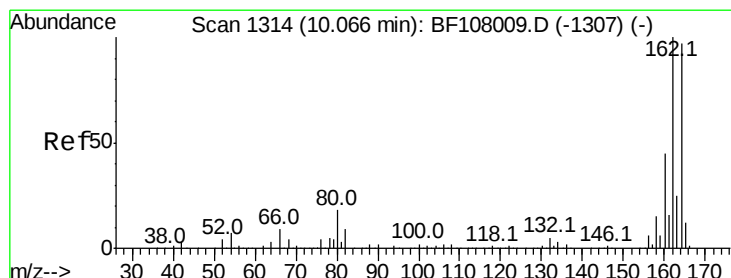
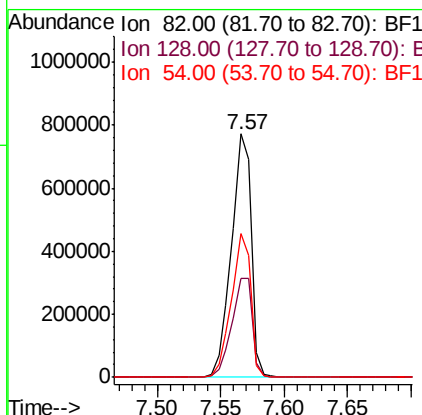
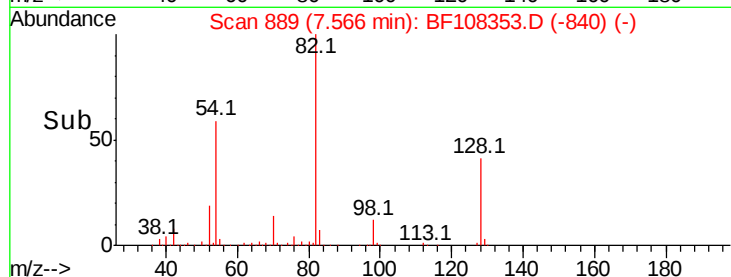
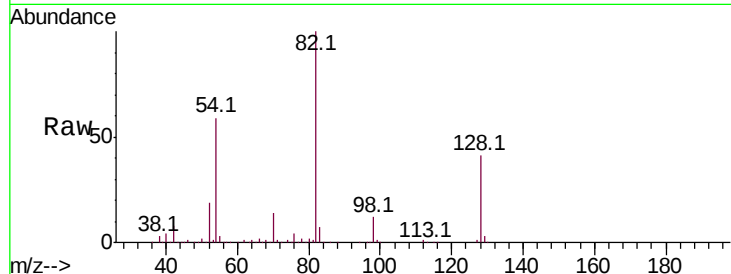
#23
 Nitrobenzene-d5
 Concen: 72.186 ng
 RT: 7.57 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	58.9	41.4	62.2

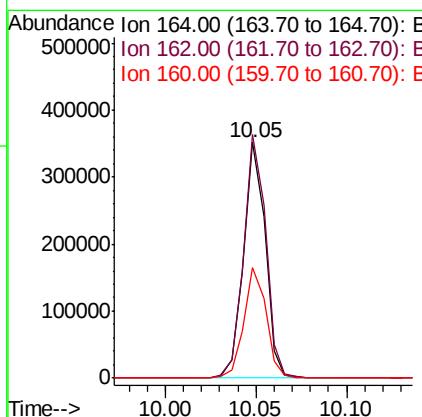
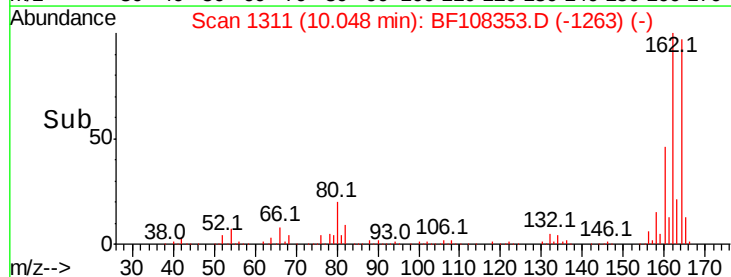
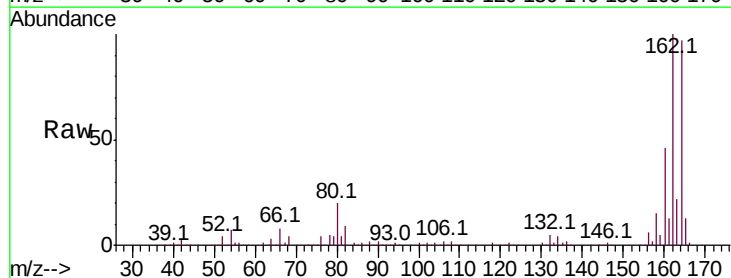
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	47.2	38.3	57.5





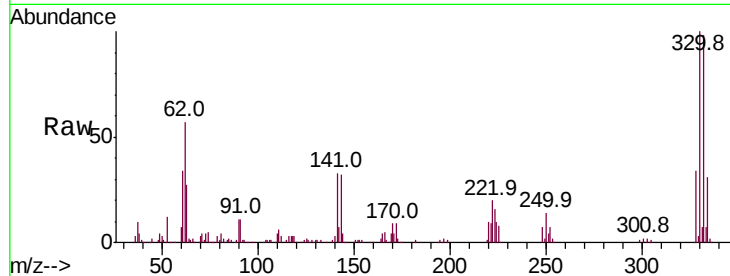
#41
 2,4,6-Tribromophenol
 Concen: 100.040 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	291576		
332	97.4	77.0	115.6	
141	32.7	29.9	44.9	

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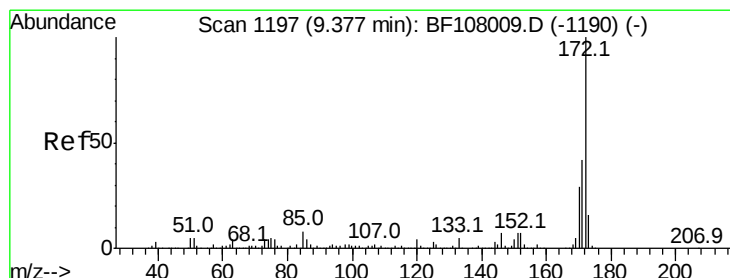
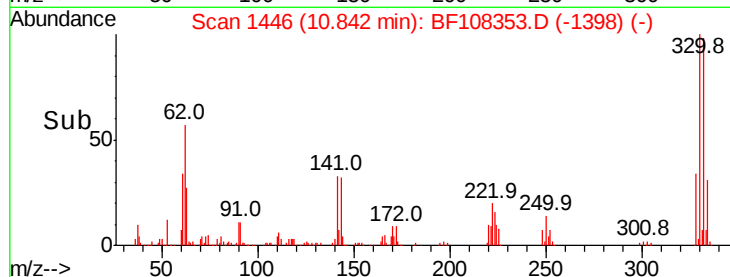
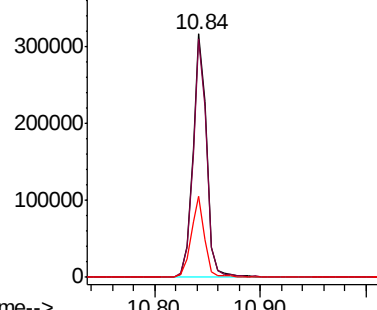


Abundance

Ion 329.80 (329.50 to 330.50): E

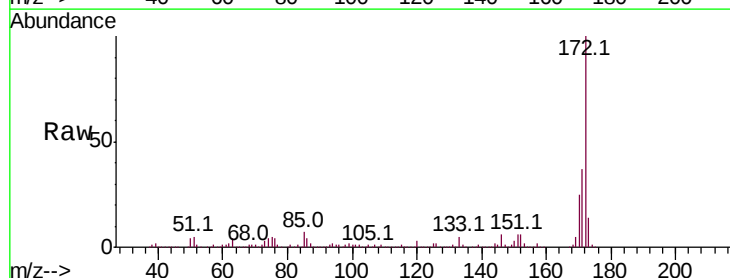
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.933 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1491202		
171	37.2	29.7	44.5	
170	25.1	19.6	29.4	

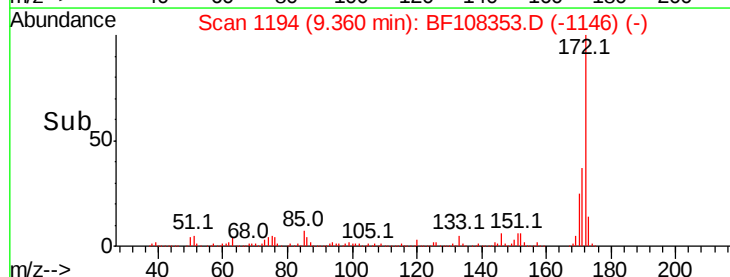
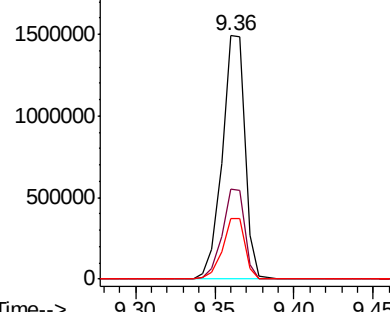


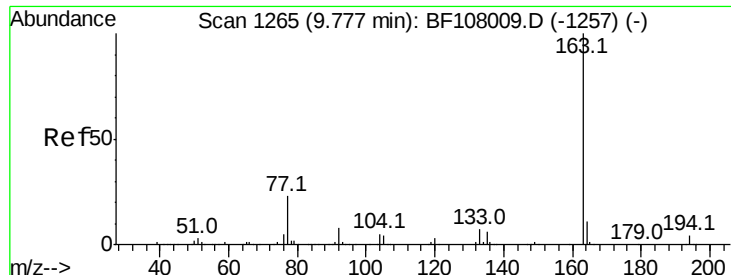
Abundance

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





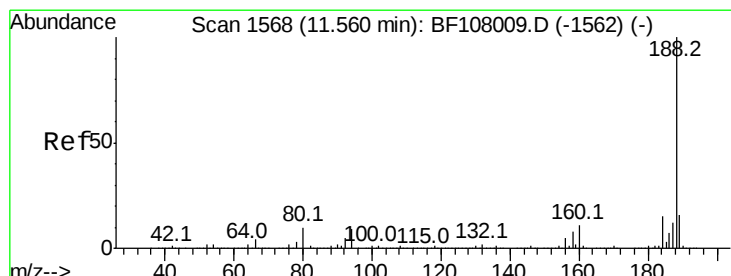
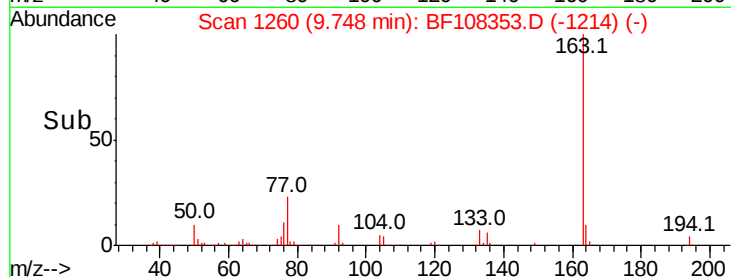
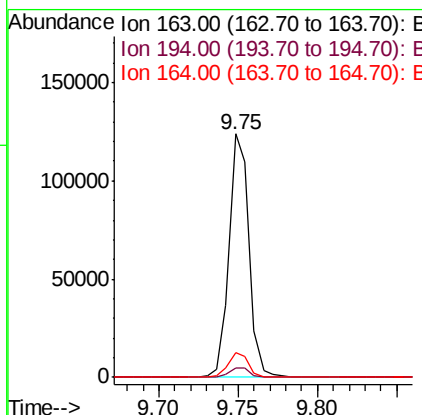
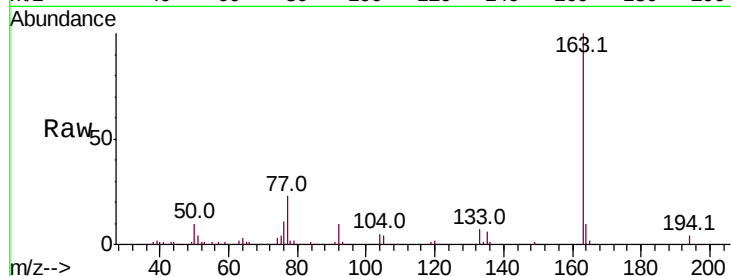
#49
Dimethylphthalate
Concen: 5.314 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.03 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.2	8.2	12.2	

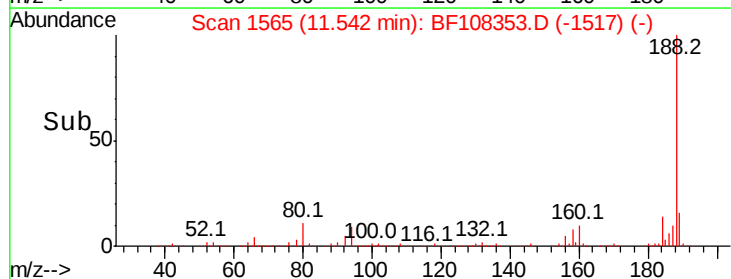
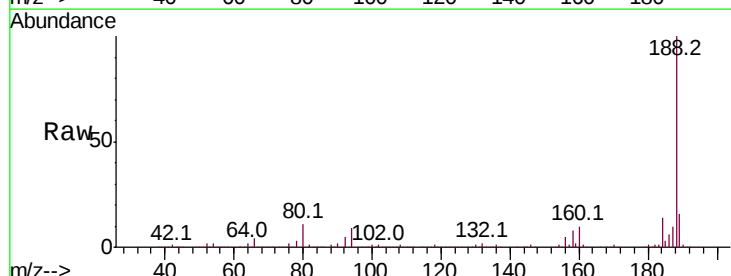
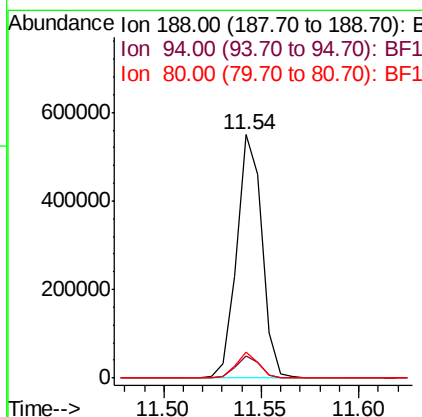
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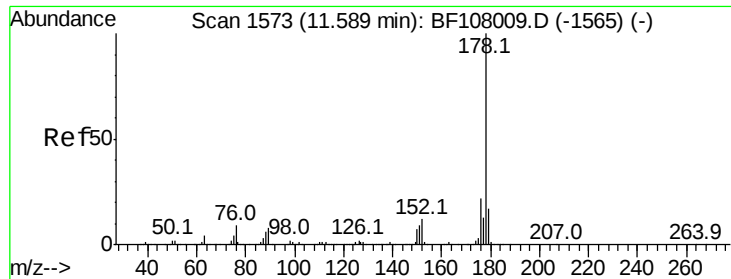
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.1	8.5	12.7	
80	10.5	9.2	13.8	





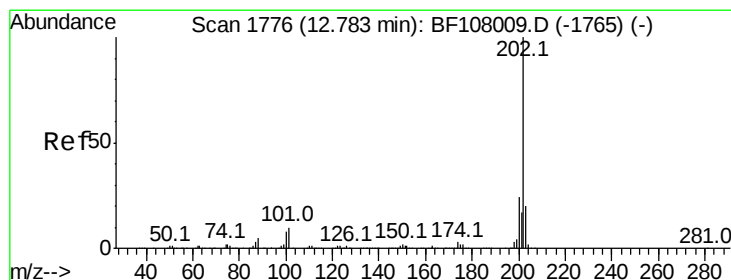
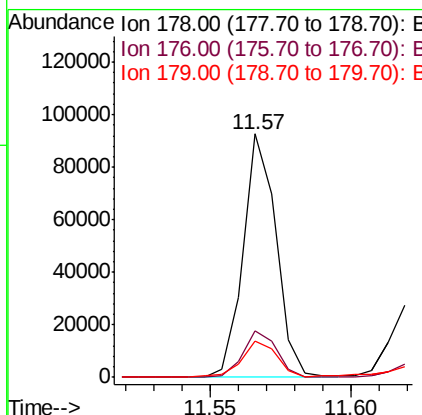
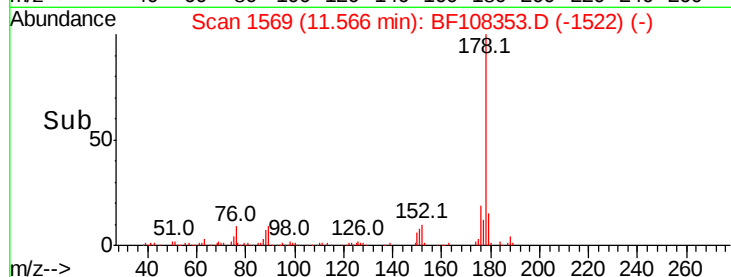
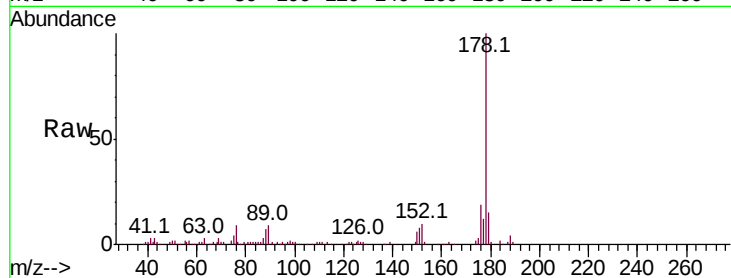
#70
Phenanthrene
Concen: 3.254 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.0	13.0	19.6

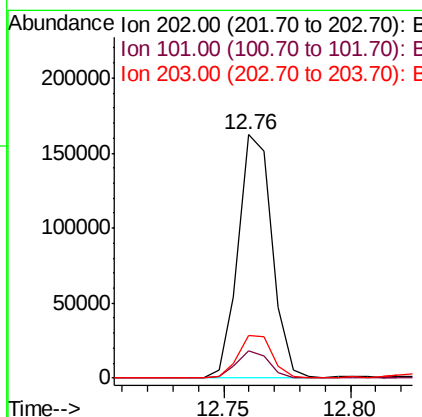
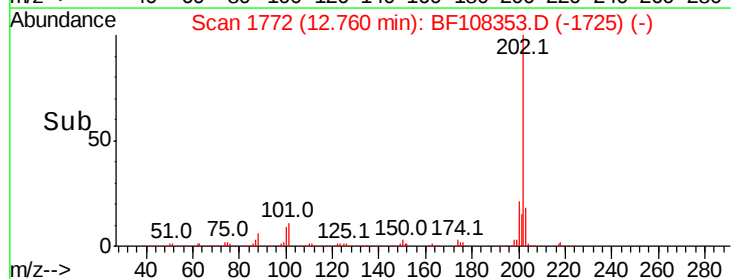
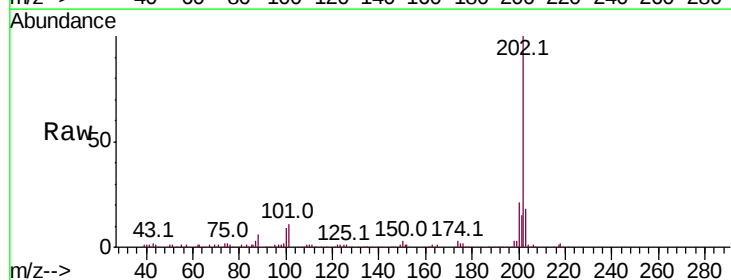
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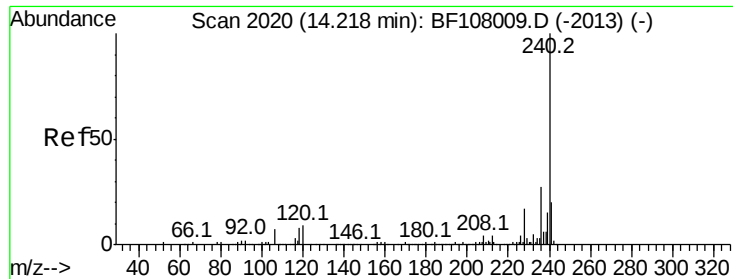
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#74
Fluoranthene
Concen: 5.986 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

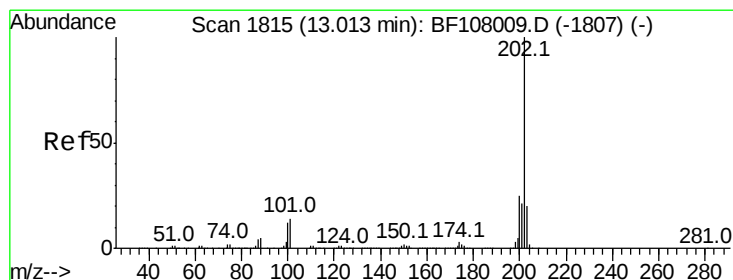
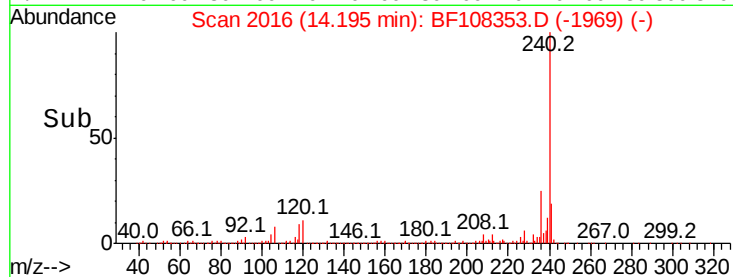
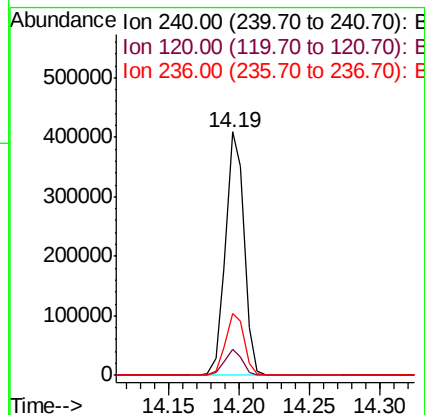
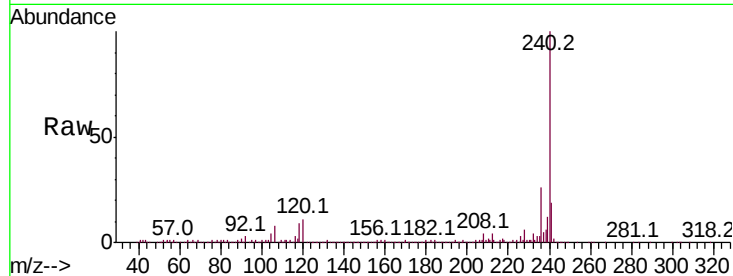
ClientSampleId :

CARLSTADT-FRONTRE

Tot Ion:	240	Resp:	375787
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 5.952 ng

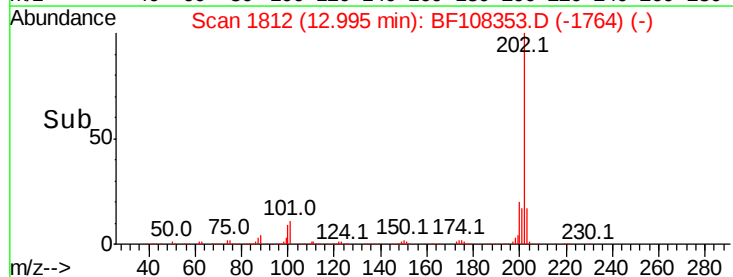
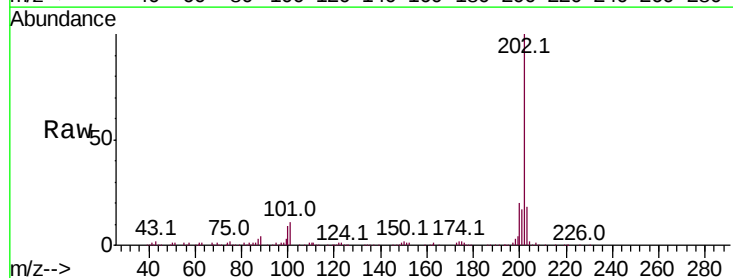
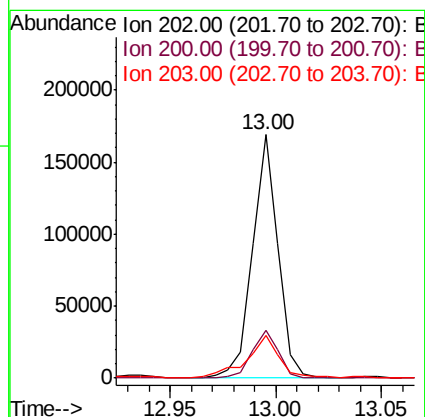
RT: 13.00 min Scan# 1812

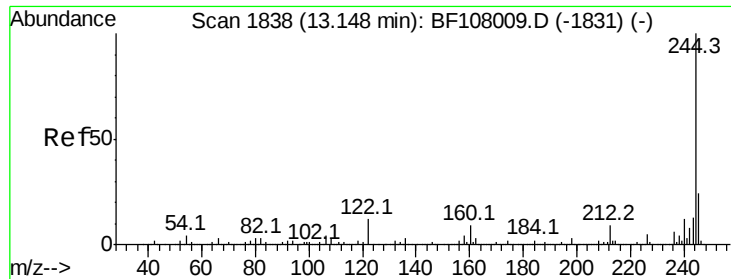
Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Tgt Ion:	202	Resp:	141611
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.4	26.2
203	17.7	14.3	21.5





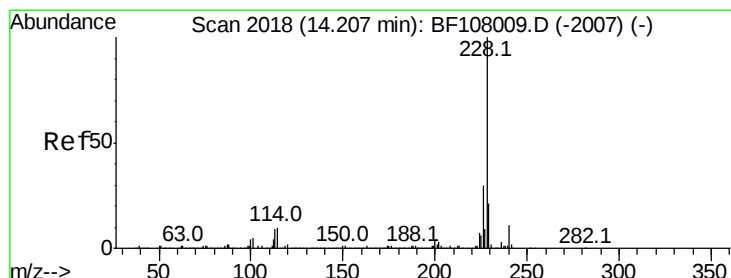
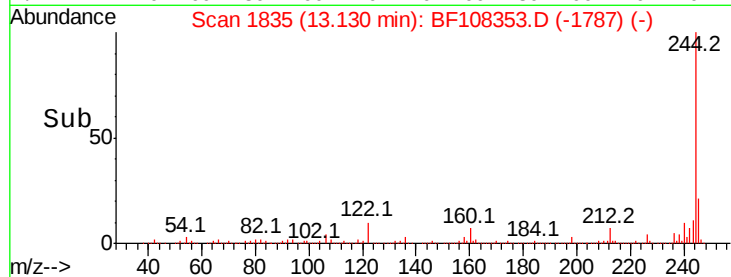
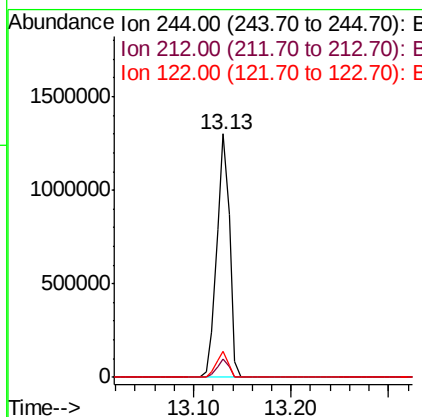
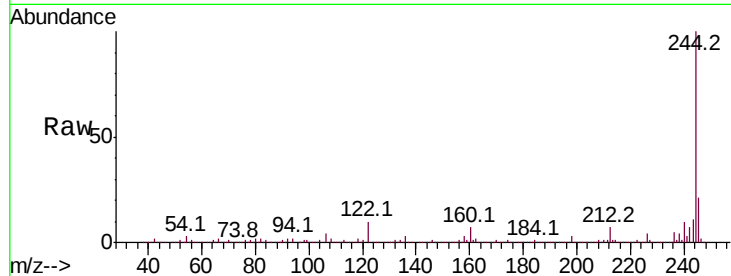
#78
 Terphenyl-d14
 Concen: 79.844 ng
 RT: 13.13 min Scan# 1835
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Tot Ion:244 Resp: 1180083
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 10.5 11.0 16.4#

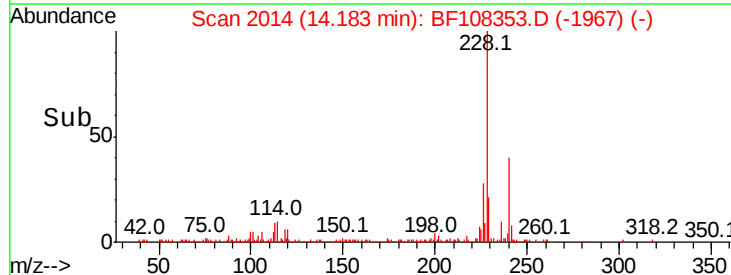
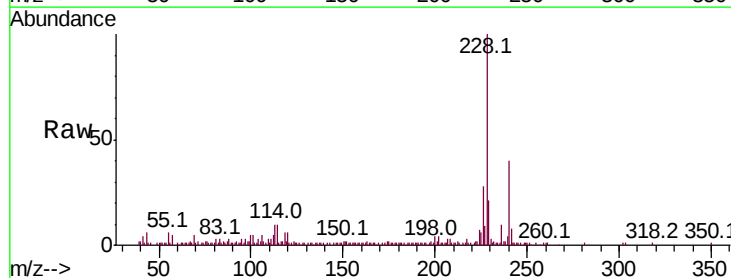
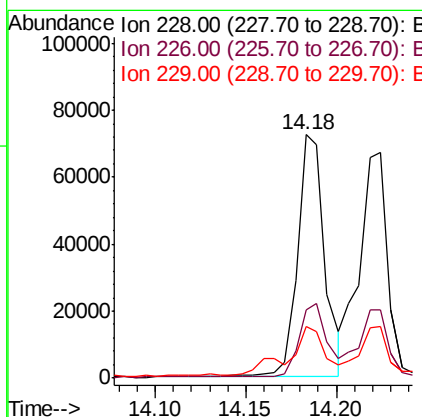
Manual Integrations
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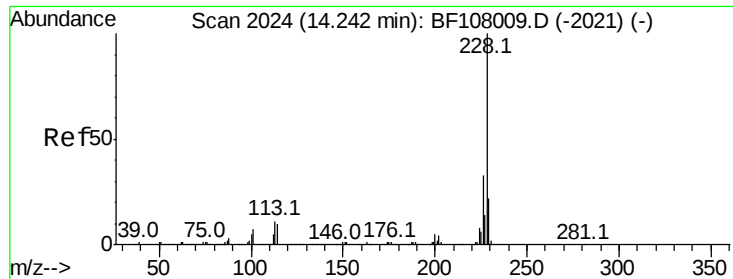
Sohil
 8/22/2018 4:03:12 PM



#80
 Benzo(a)anthracene
 Concen: 3.563 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Tgt Ion:228 Resp: 76837
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 21.4 15.8 23.6





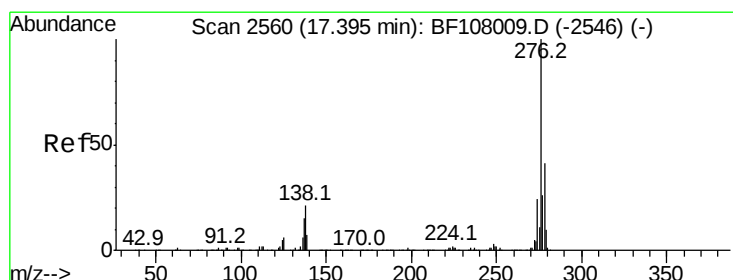
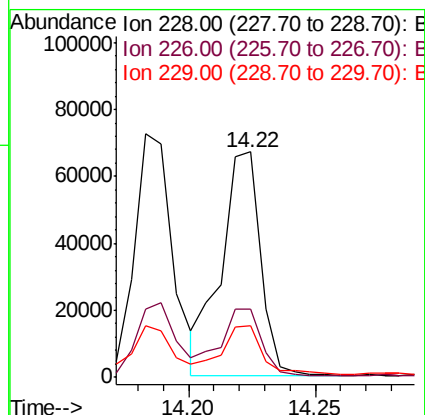
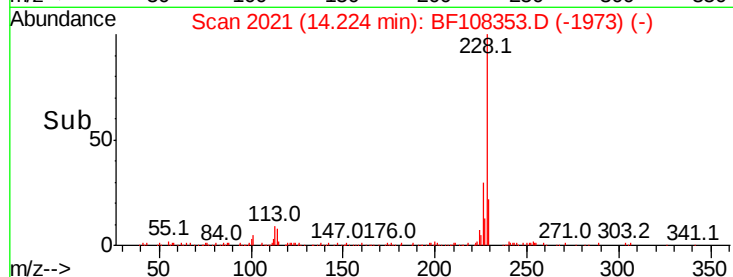
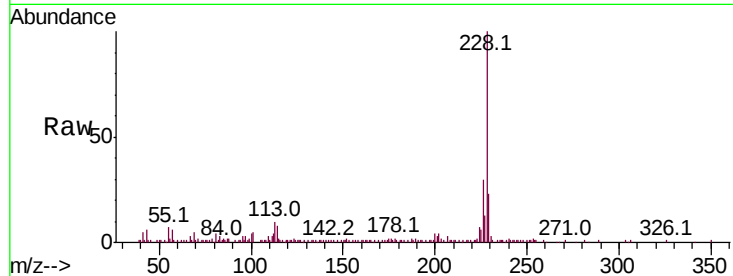
#82
Chrysene
Concen: 3.690 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tot Ion:	228	Resp:	72952
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	23.0	16.2	24.4

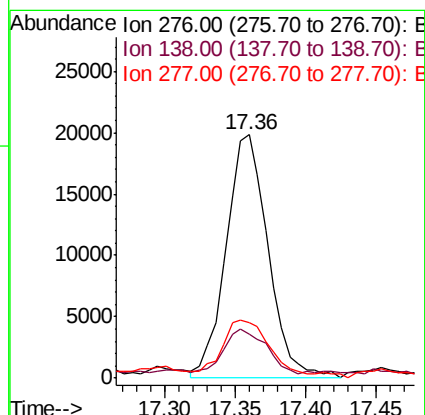
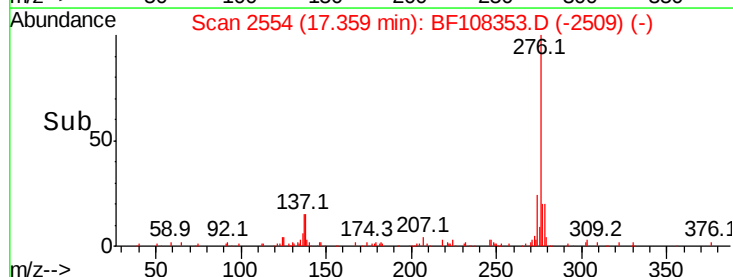
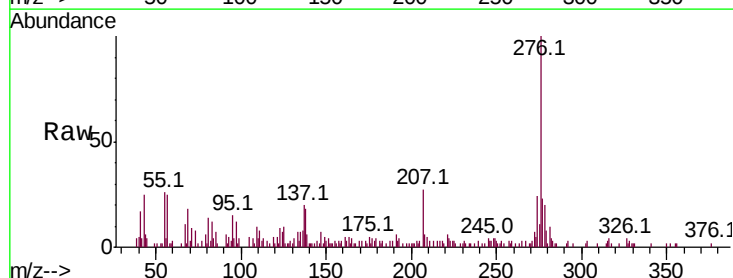
Manual Integrations
APPROVED

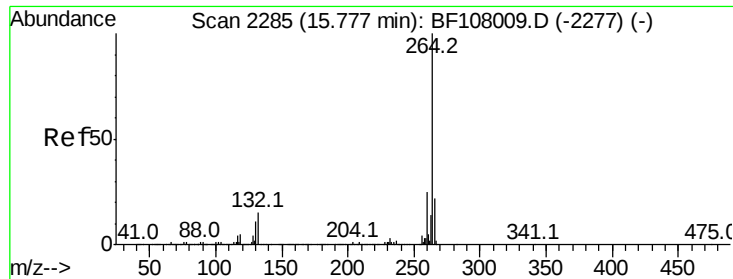
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.403 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.04 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion:	276	Resp:	41166
Ion Ratio	Lower	Upper	
276	100		
138	17.9	25.0	37.6#
277	23.2	20.1	30.1





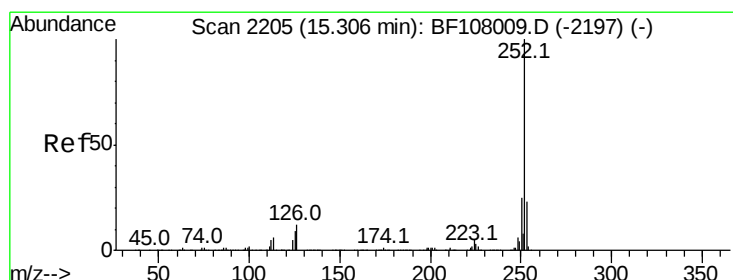
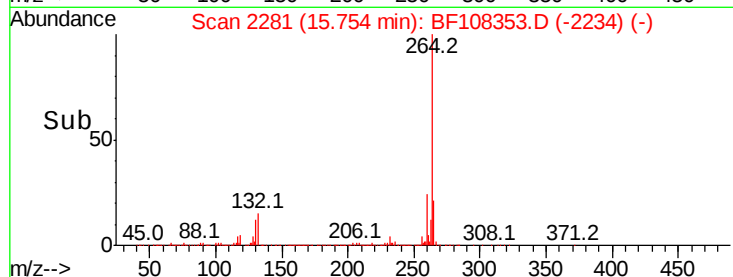
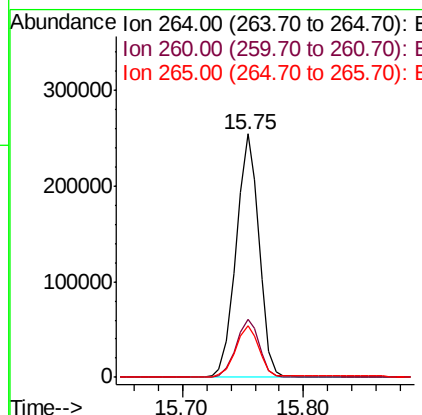
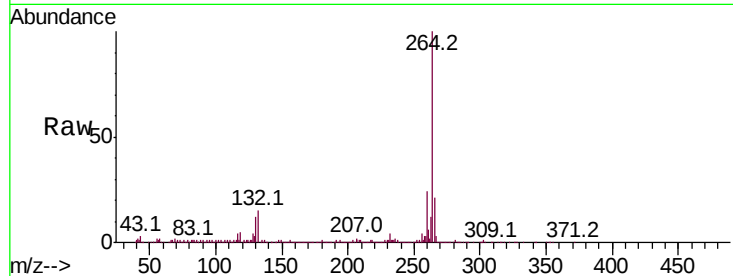
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.1	17.5	26.3

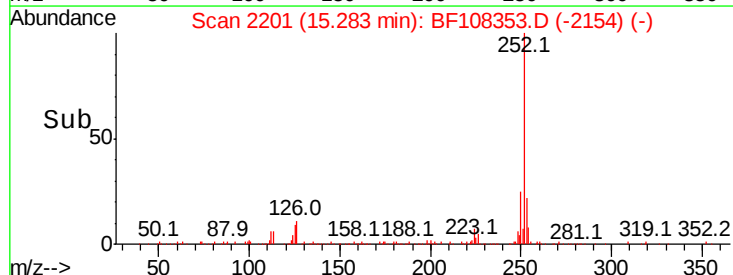
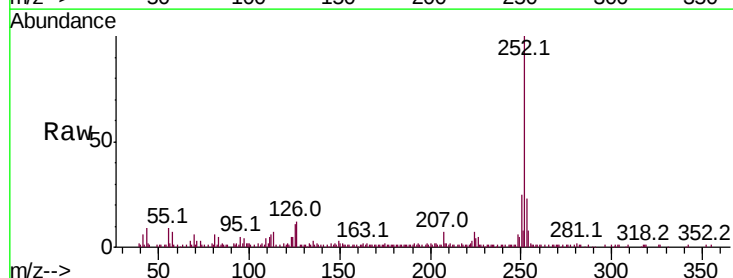
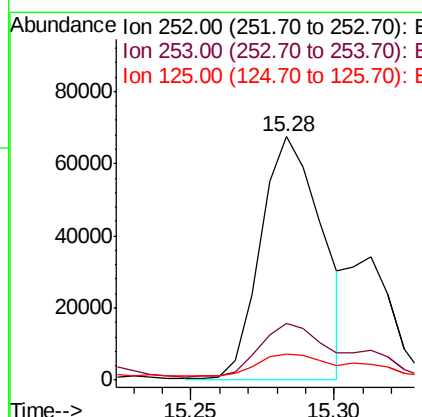
Manual Integrations
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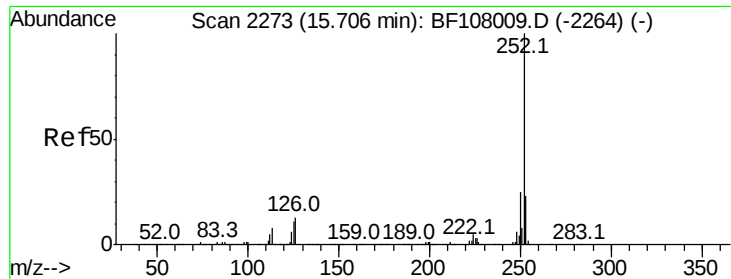
Sohil
8/22/2018 4:03:12 PM



#87
Benzo(b)fluoranthene
Concen: 5.042 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.8	9.0	13.6





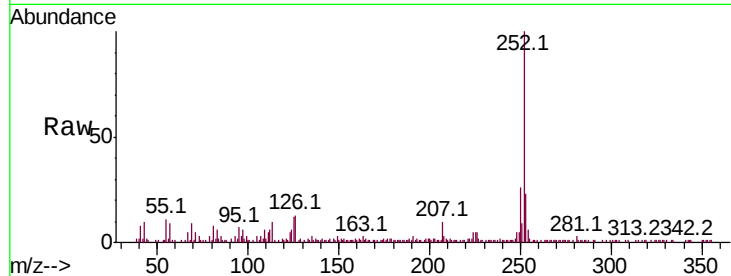
#89
Benzo(a)pyrene
Concen: 3.538 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

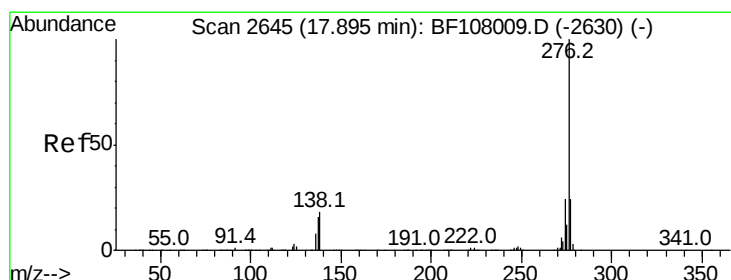
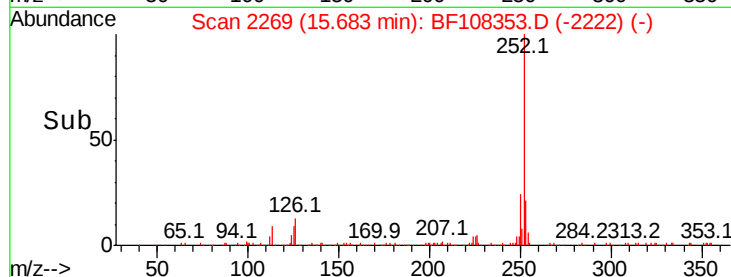
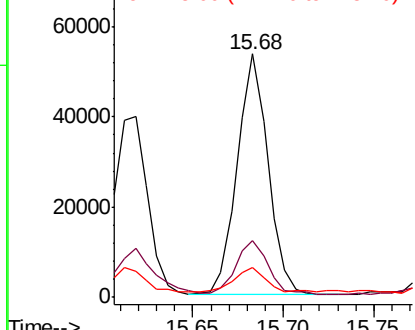
Tot Ion:	252	Resp:	63424
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	12.0	9.8	14.6

Manual Integrations
APPROVED

Sohil
8/22/2018 4:03:12 PM

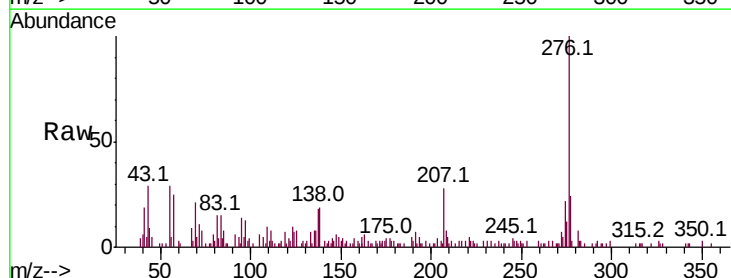


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.689 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.05 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion:	276	Resp:	39276
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.9	26.9
138	19.2	21.8	32.8#



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

