

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011419\
 Data File : BF112054.D
 Acq On : 14 Jan 2019 16:52
 Operator : JU/SJ
 Sample : K1135-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-12(5-6)

Manual Integrations
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 1/15/2019 12:19:21 PM

Quant Time: Jan 14 21:23:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150338	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	525328	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	272466	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	482202	20.00	ng	0.00
76) Chrysene-d12	14.03	240	340107	20.00	ng	-0.01
87) Perylene-d12	15.52	264	421646	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	919939	104.69	ng	0.00
7) Phenol-d6	6.52	99	1223943	108.06	ng	0.00
23) Nitrobenzene-d5	7.43	82	602082	61.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	275193	77.65	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1116684	59.76	ng	0.00
79) Terphenyl-d14	12.98	244	987887	55.14	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.62	163	304924	14.898	ng	99
52) Acenaphthene	9.94	154	88989	5.220	ng	99
55) Dibenzofuran	10.11	168	62232	2.510	ng	95
58) Fluorene	10.45	166	102960	5.707	ng	98
71) Phenanthrene	11.42	178	830074	32.197	ng	99
72) Anthracene	11.47	178	244887	9.357	ng	97
73) Carbazole	11.62	167	83546	3.282	ng	97
75) Fluoranthene	12.62	202	856945	32.379	ng	97
78) Pyrene	12.84	202	765713	32.721	ng	99
81) Benzo(a)anthracene	14.02	228	420703	21.493	ng	99
83) Chrysene	14.06	228	344245	18.445	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	171407	12.598	ng	96
88) Benzo(b)fluoranthene	15.08	252	552172m	21.892	ng	
89) Benzo(k)fluoranthene	15.10	252	172403m	7.272	ng	
90) Benzo(a)pyrene	15.45	252	402937	18.169	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	44772	2.510	ng	94
92) Benzo(g,h,i)perylene	17.44	276	147127	8.433	ng	98

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

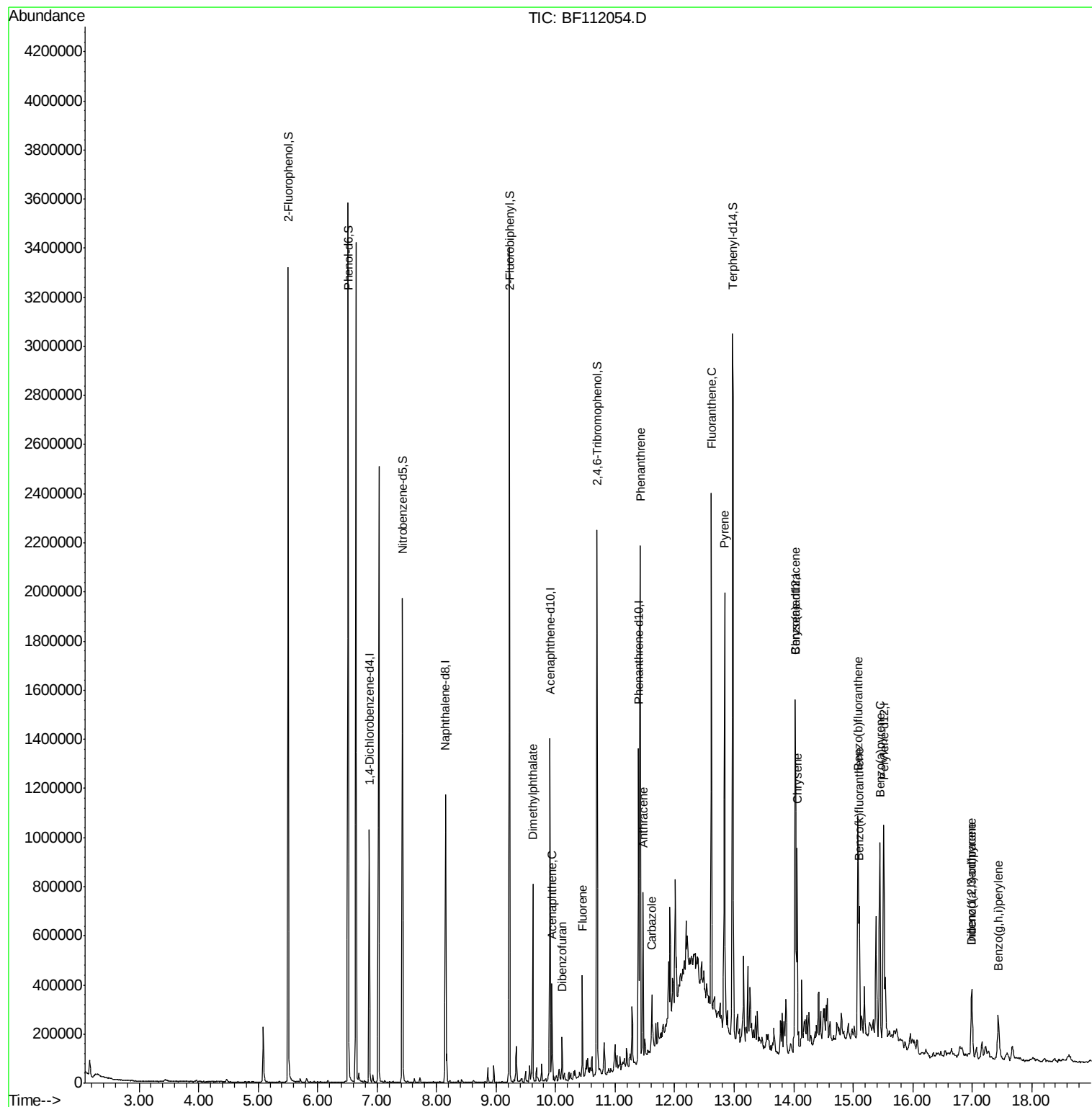
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011419\
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ALS Vial : 9 Sample Multiplier: 1

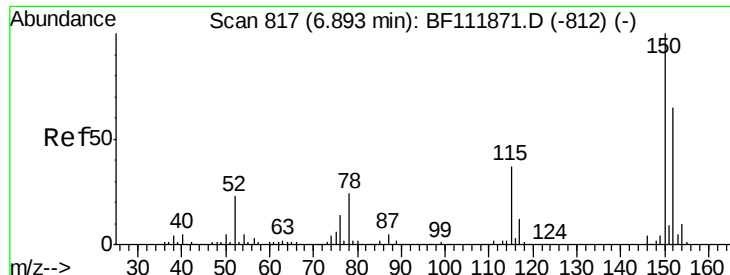
Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

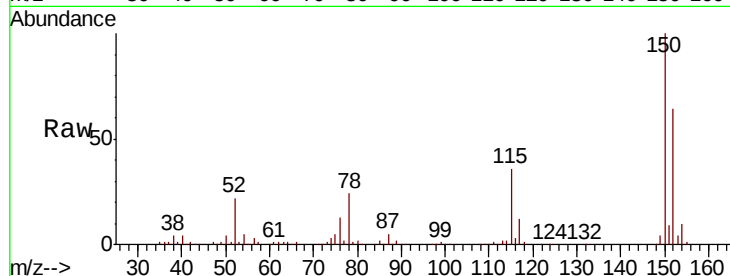
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	122.7	184.1
115	55.9	45.2	67.8

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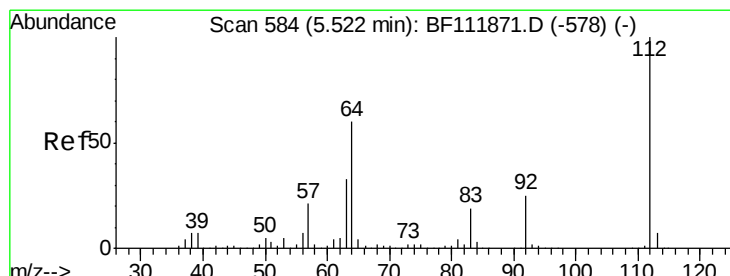
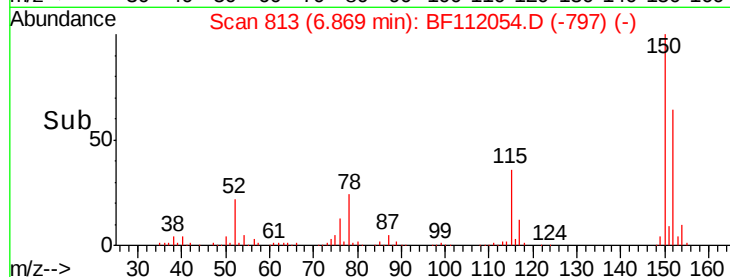
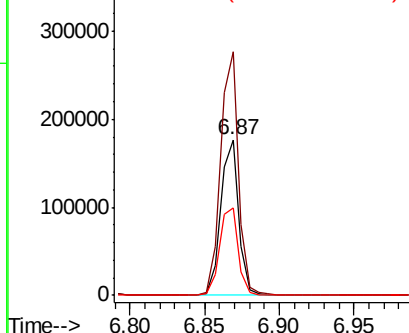


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

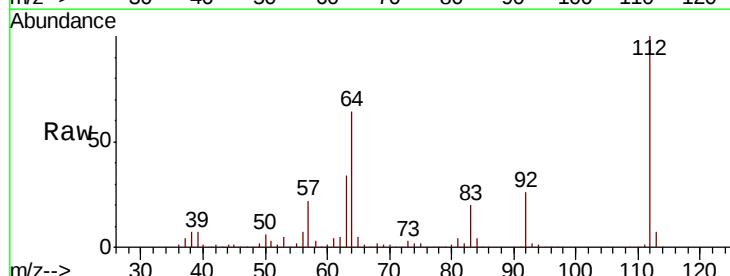
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.687 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	48.3	72.5
63	34.1	26.1	39.1

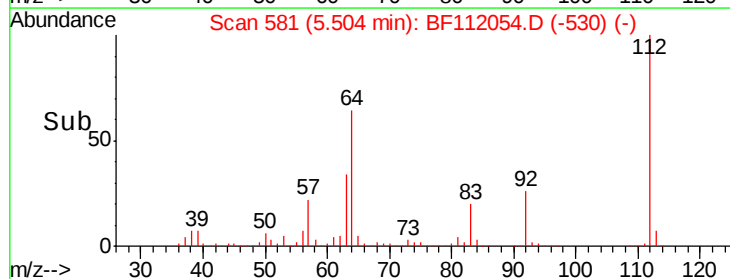
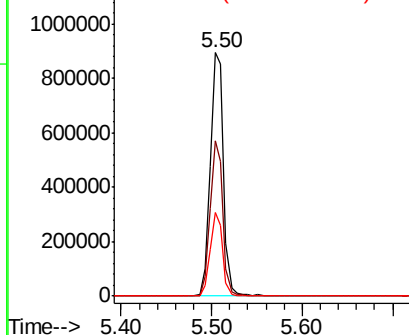


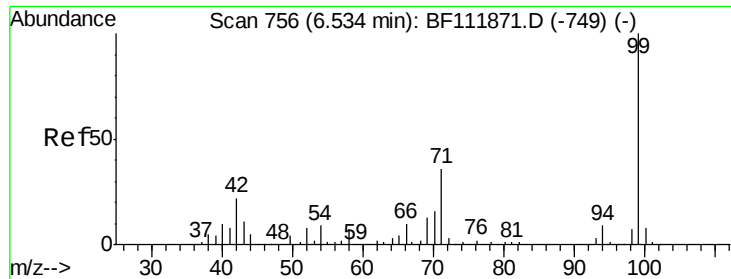
Abundance

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: 108.065 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Instrument :

BNA_F

ClientSampleId :

CPSB-12(5-6)

Tot Ion: 99 Resp: 1223943

Ion Ratio Lower Upper

99 100

42 20.1 17.9 26.9

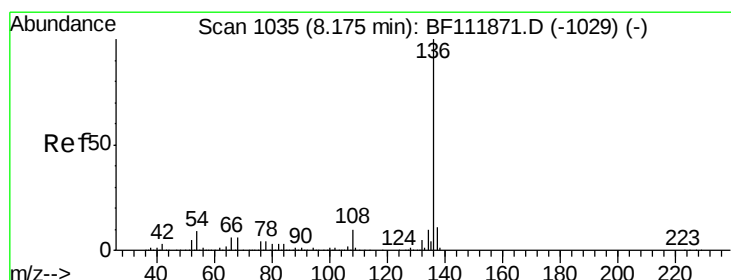
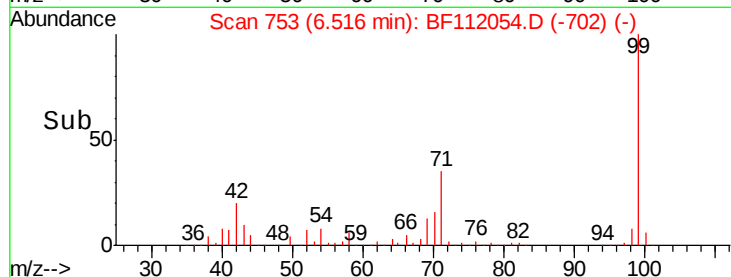
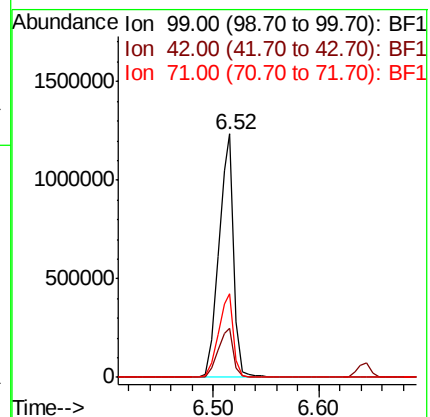
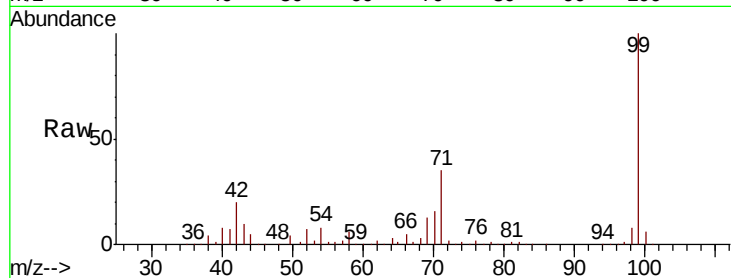
71 34.6 28.7 43.1

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Tgt Ion: 136 Resp: 525328

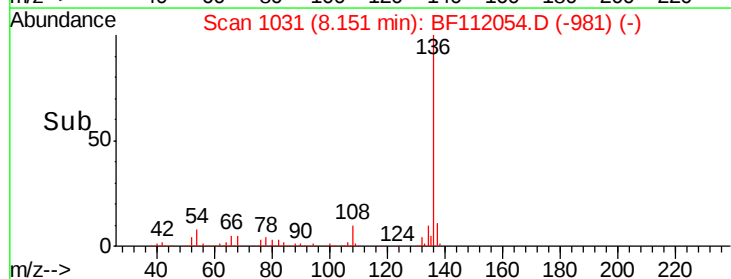
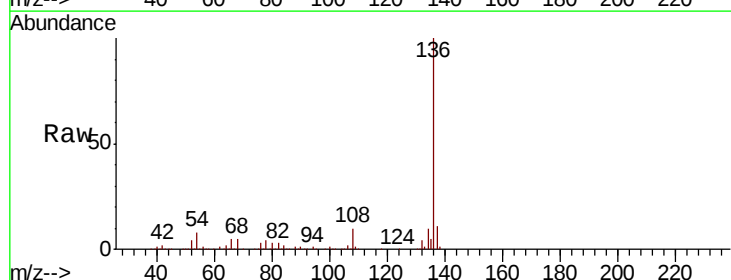
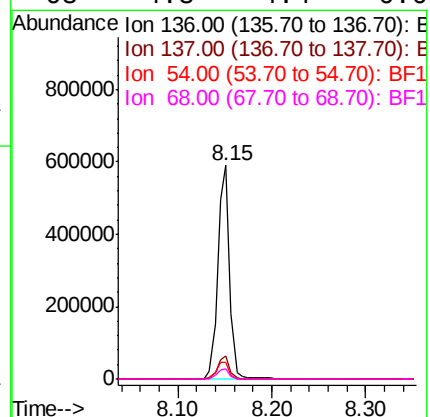
Ion Ratio Lower Upper

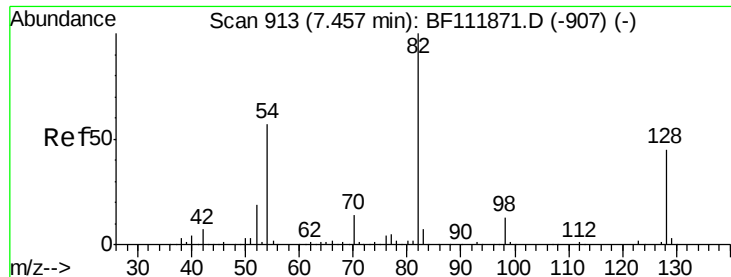
136 100

137 10.9 9.1 13.7

54 7.5 7.2 10.8

68 4.8 4.4 6.6





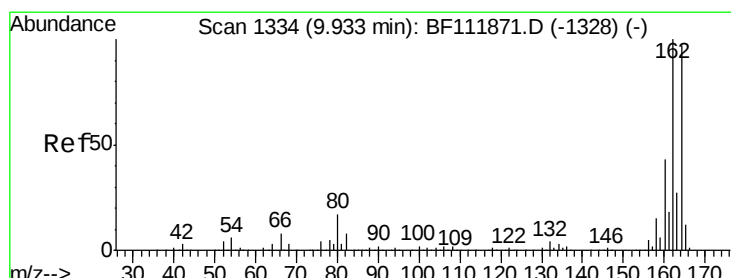
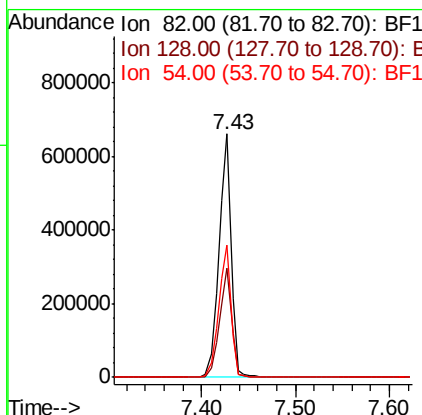
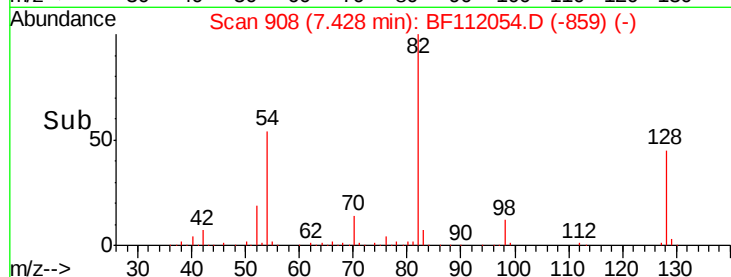
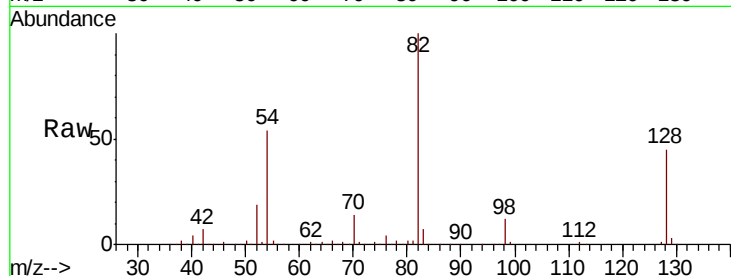
#23
Nitrobenzene-d5
Concen: 61.254 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.7	53.5
54	54.4	45.8	68.8

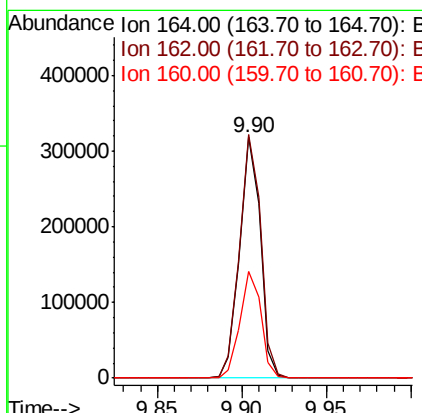
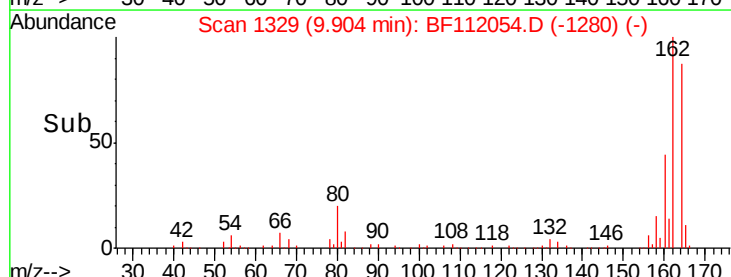
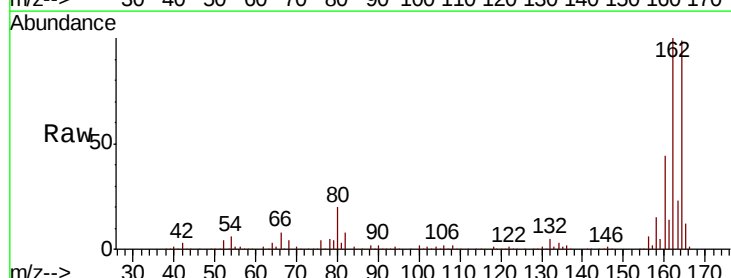
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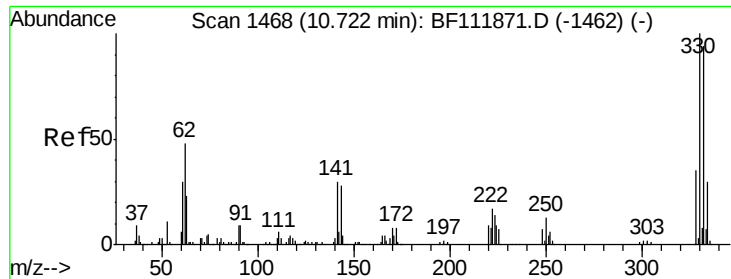
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	44.2	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 77.651 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Instrument :

BNA_F

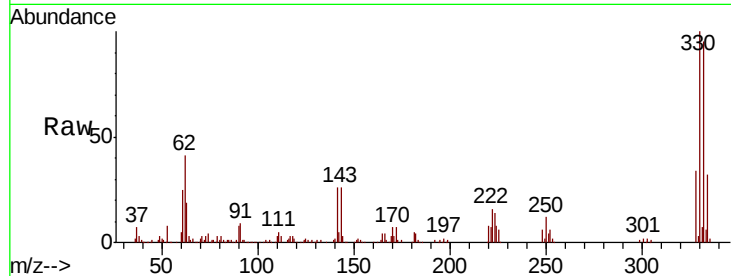
ClientSampleId :

CPSB-12(5-6)

Tot Ion:	330	Resp:	275193
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.9	115.3
141	29.1	23.7	35.5

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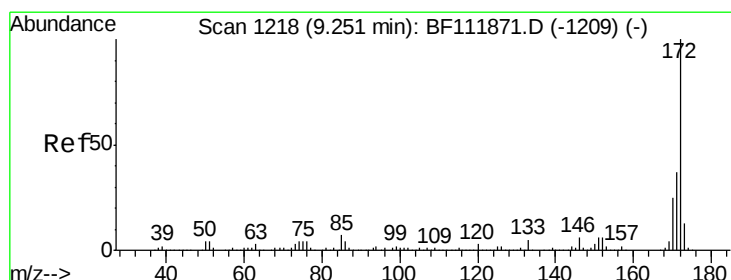
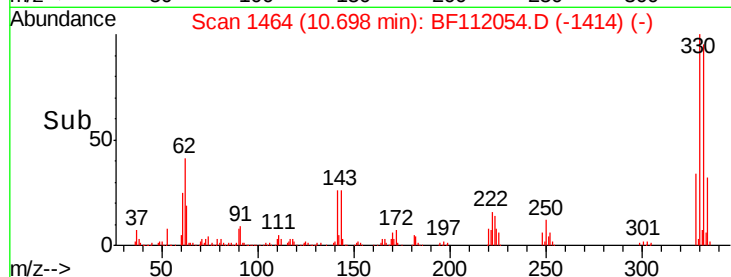
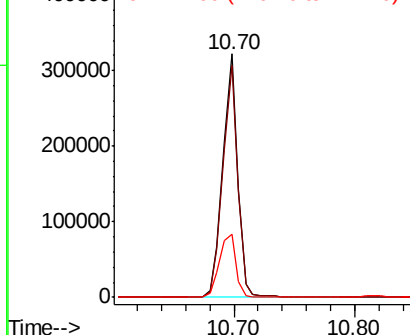


Abundance

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: 59.763 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

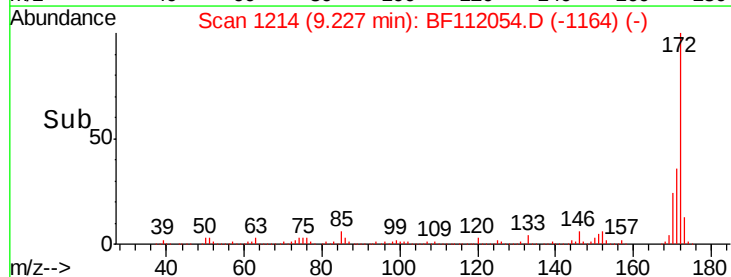
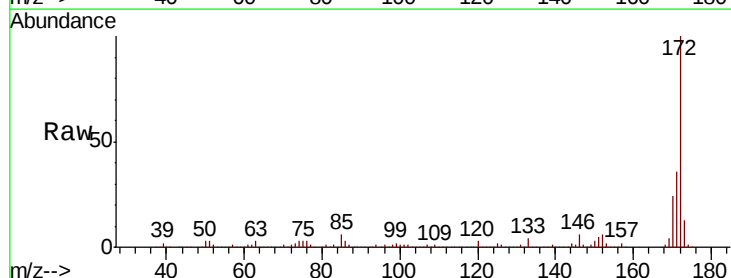
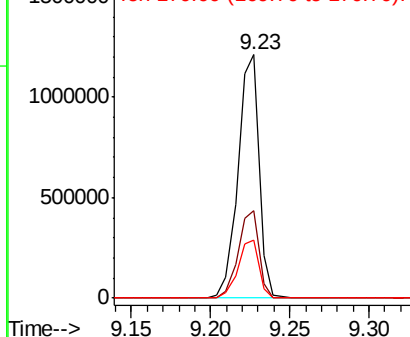
Tgt Ion:	172	Resp:	1116684
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	23.9	19.8	29.8

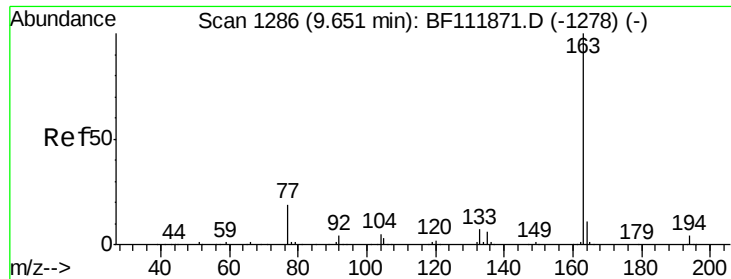
Abundance

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





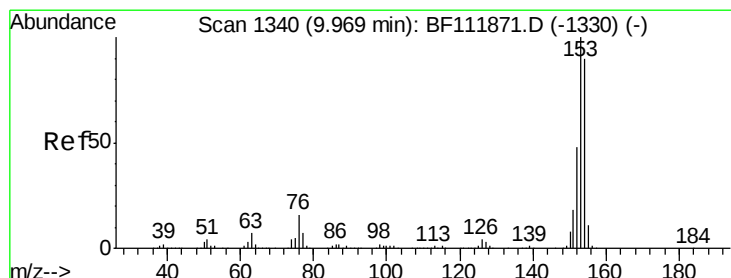
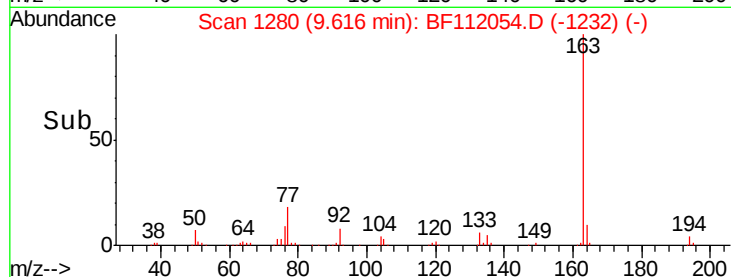
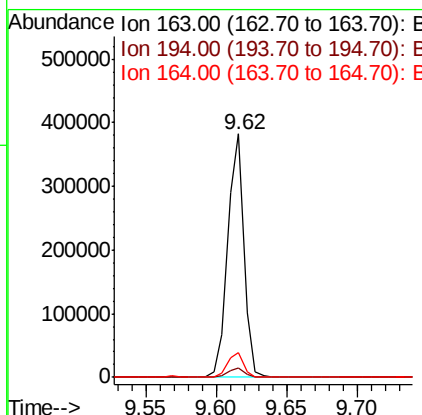
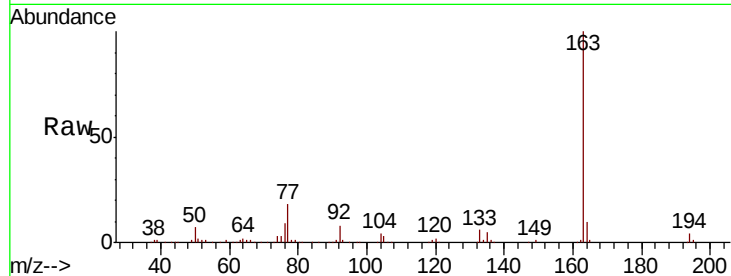
#50
Dimethylphthalate
Concen: 14.898 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	304924		
194	4.0		3.4	5.2
164	10.3		8.5	12.7

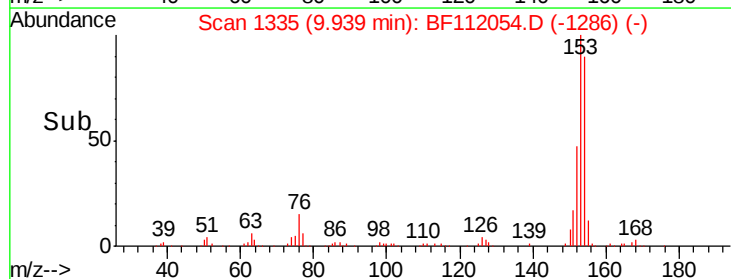
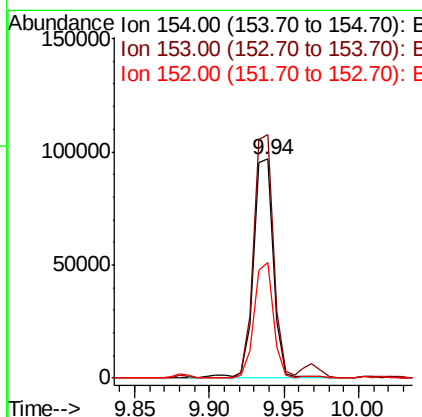
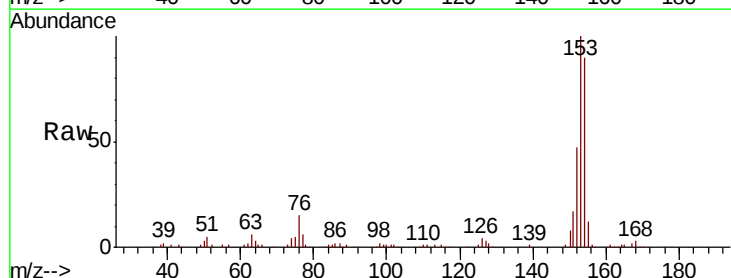
Manual Integrations
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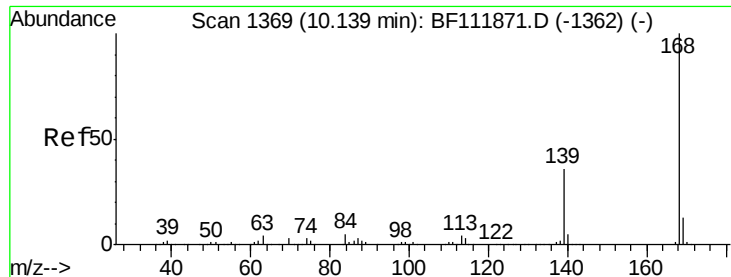
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#52
Acenaphthene
Concen: 5.220 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	88989		
153	111.2		89.4	134.0
152	52.8		43.1	64.7





#55

Dibenzofuran

Concen: 2.510 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Instrument :

BNA_F

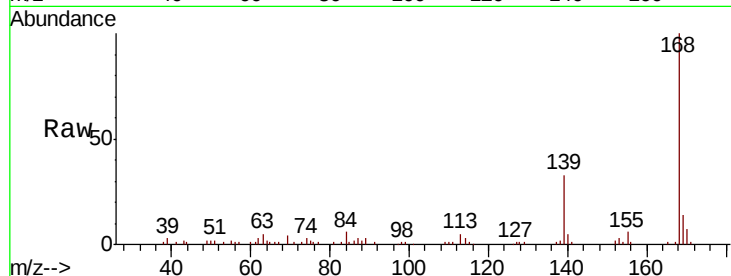
ClientSampleId :

CPSB-12(5-6)

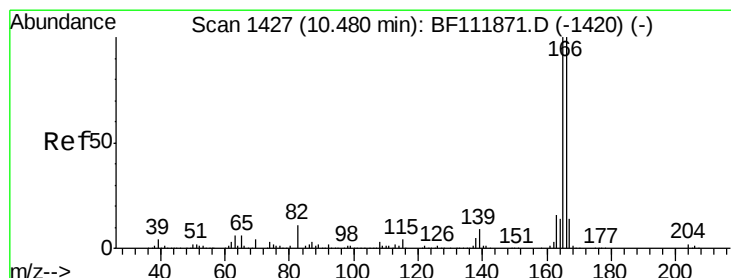
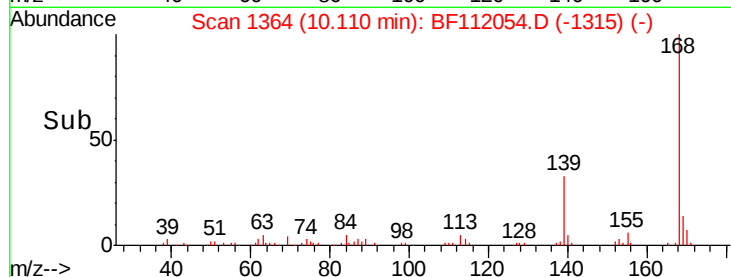
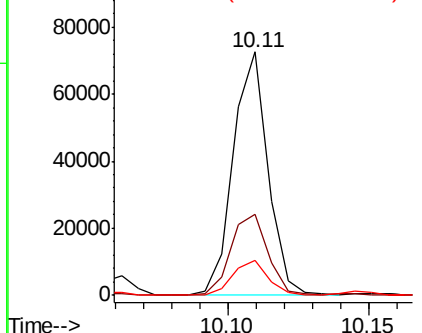
Tot Ion:	168	Resp:	62232
Ion Ratio	Lower	Upper	
168	100		
139	33.1	29.3	43.9
169	14.2	10.6	16.0

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 5.707 ng

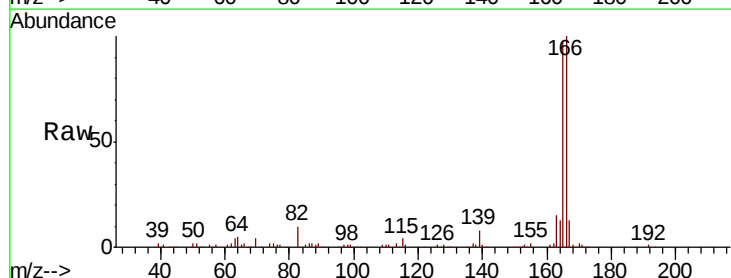
RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

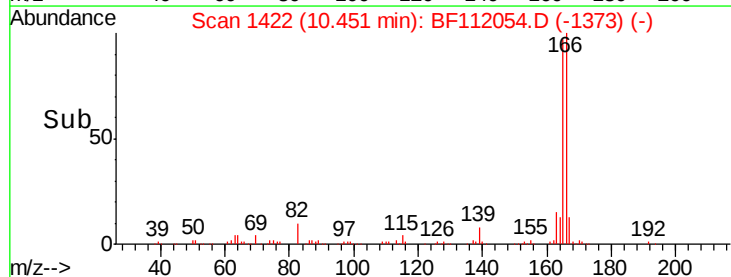
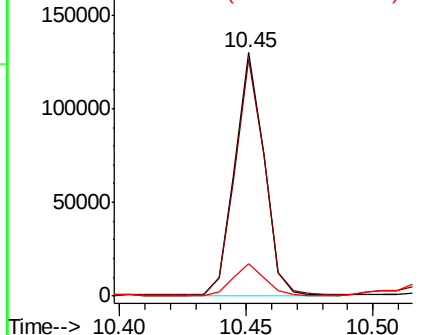
Lab File: BF112054.D

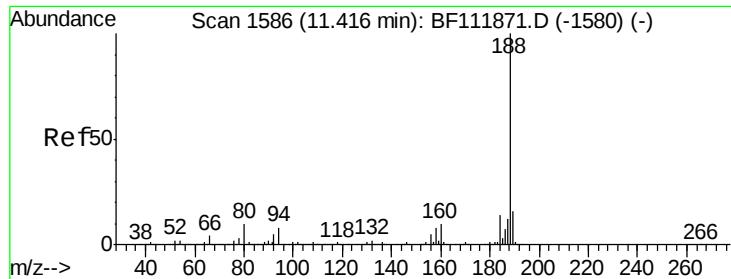
Acq: 14 Jan 2019 16:52

Tgt Ion:	166	Resp:	102960
Ion Ratio	Lower	Upper	
166	100		
165	97.3	79.7	119.5
167	13.2	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





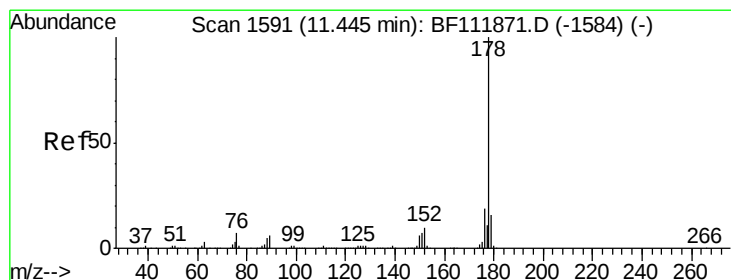
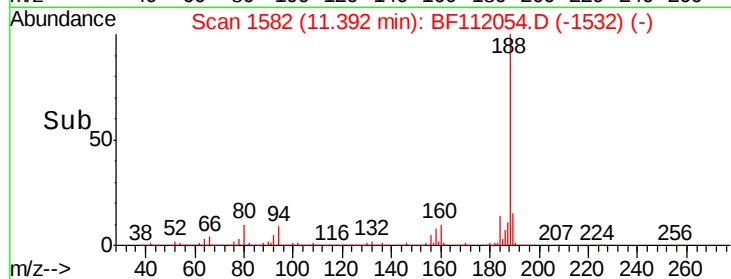
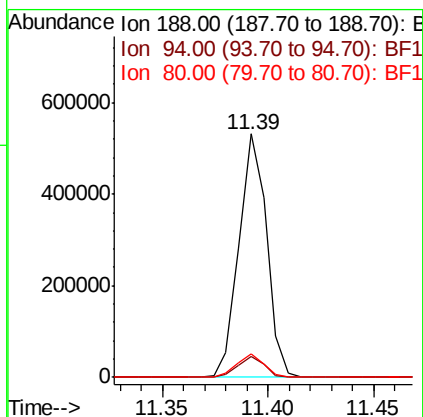
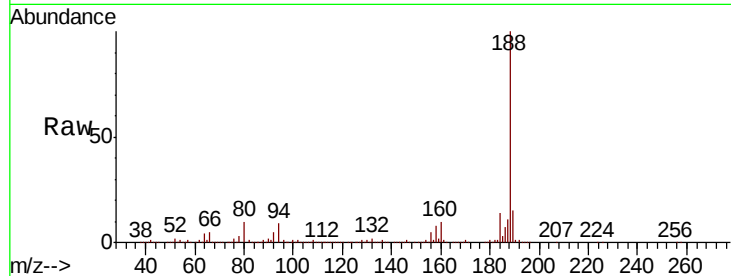
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	482202		
94	8.5		6.6	10.0
80	9.8		7.7	11.5

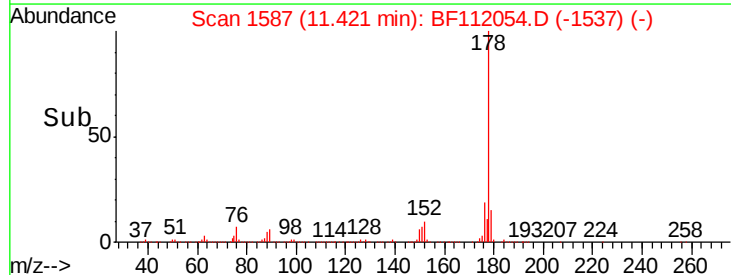
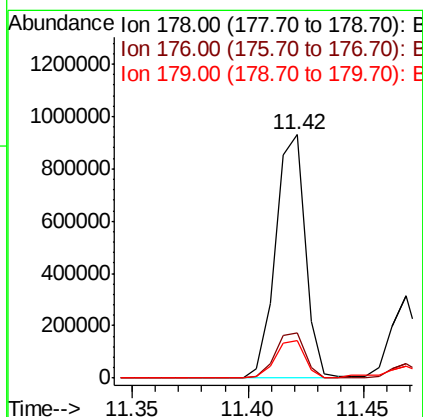
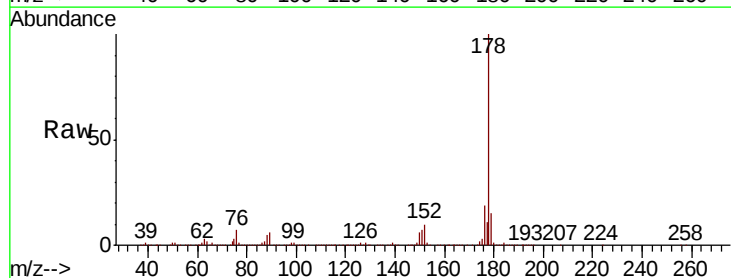
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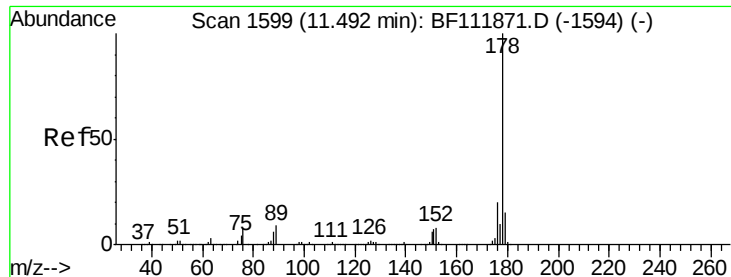
Sohil
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#71
Phenanthrene
Concen: 32.197 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	830074		
176	18.8		15.6	23.4
179	15.2		12.6	18.8





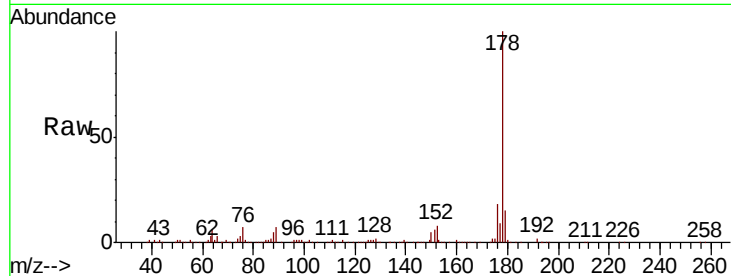
#72
 Anthracene
 Concen: 9.357 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF112054.D
 Acq: 14 Jan 2019 16:52

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-12(5-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.7	23.5
179	14.7	12.4	18.6

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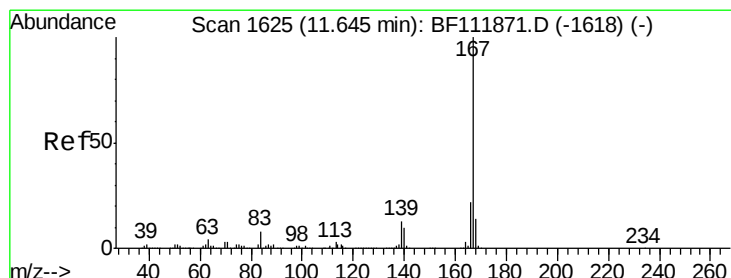
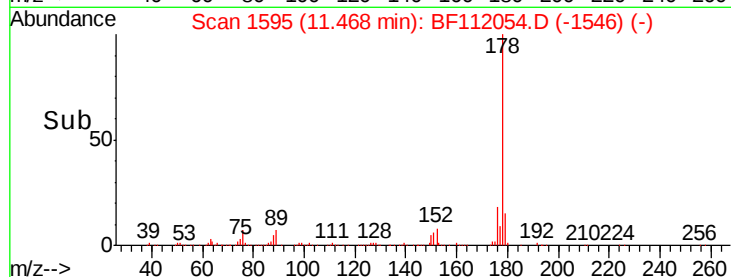
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



#73
 Carbazole
 Concen: 3.282 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BF112054.D
 Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.8	26.6
139	11.5	10.6	16.0

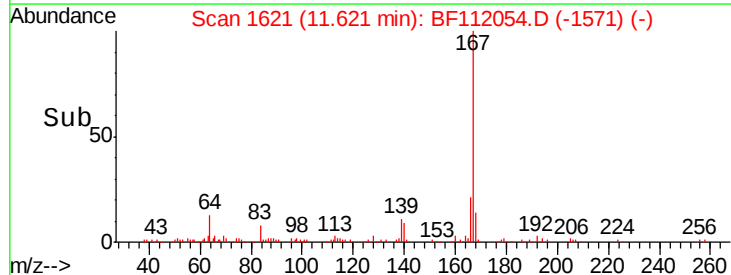
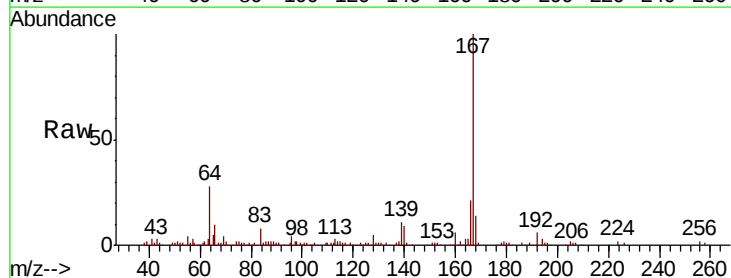
Abundance

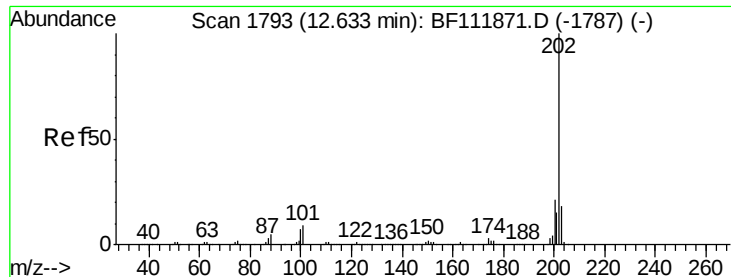
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->





#75

Fluoranthene

Concen: 32.379 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Instrument :

BNA_F

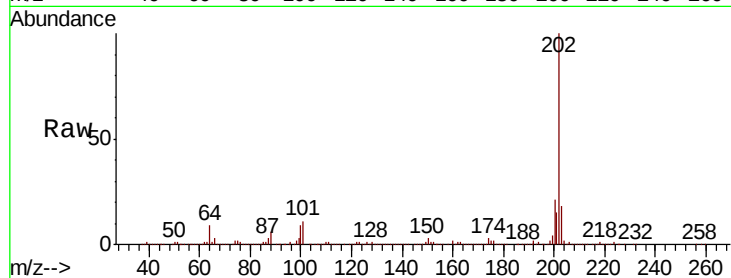
ClientSampleId :

CPSB-12(5-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		856945		
101	11.1	0.0	29.3		
203	18.4	0.0	37.6		

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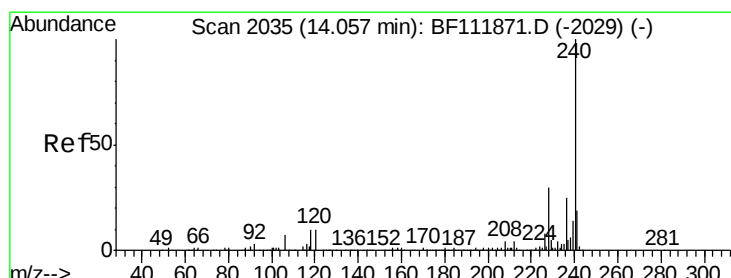
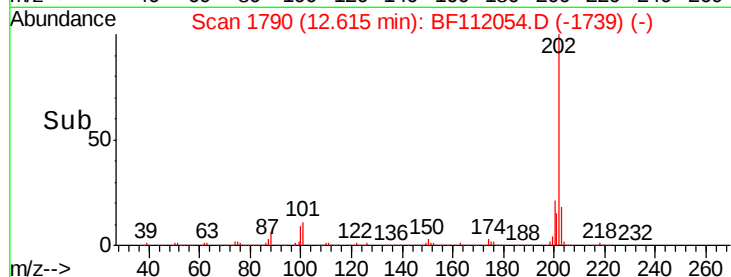
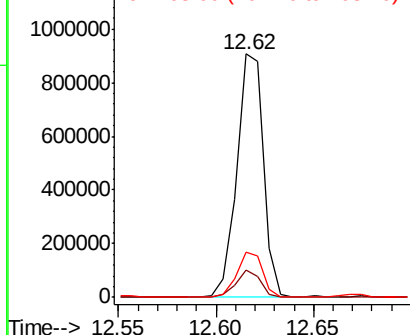


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

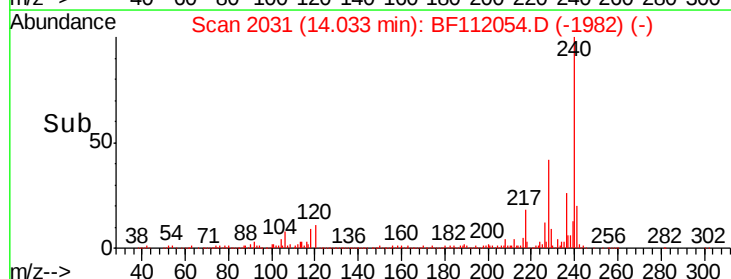
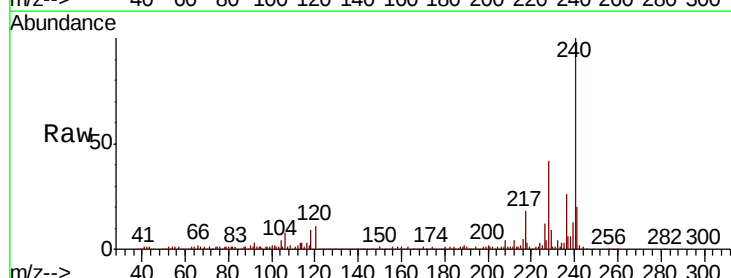
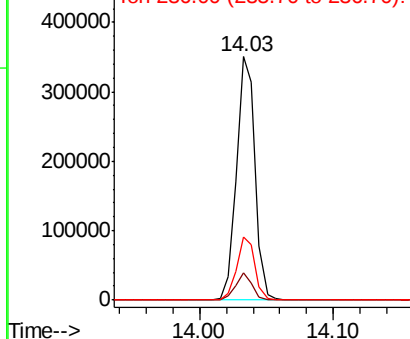
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		340107		
120	11.1	8.2	12.2		
236	25.7	20.2	30.4		

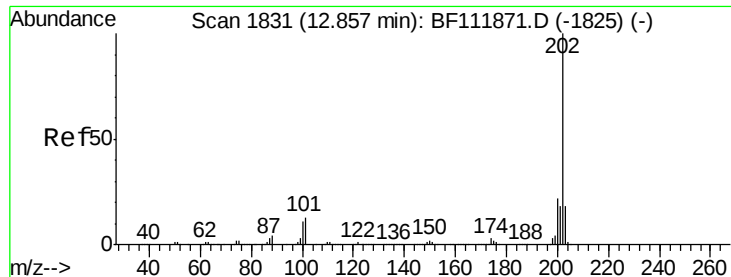
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 32.721 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Instrument :

BNA_F

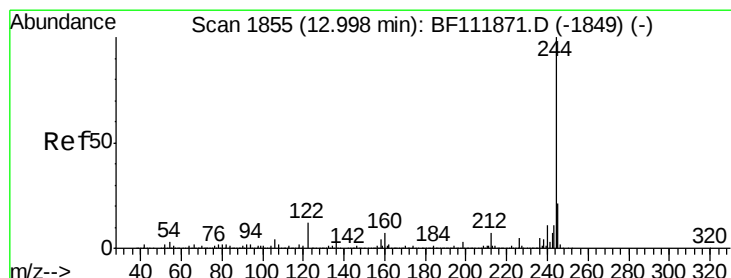
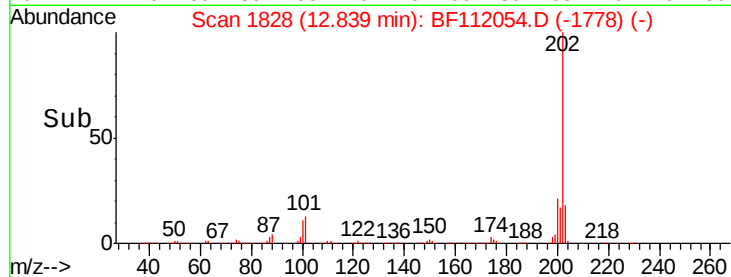
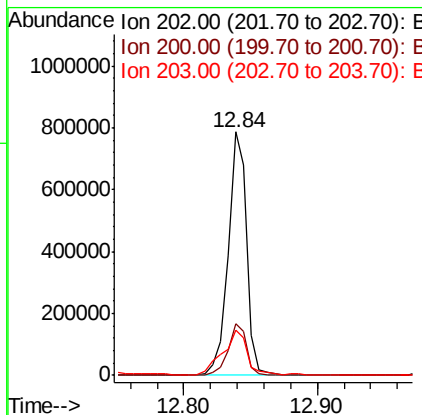
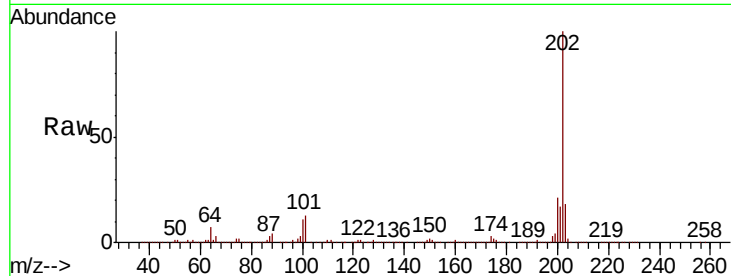
ClientSampled :

CPSB-12(5-6)

Tot Ion:	202	Resp:	765713
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.5	14.6	21.8

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#79

Terphenyl-d14

Concen: 55.136 ng

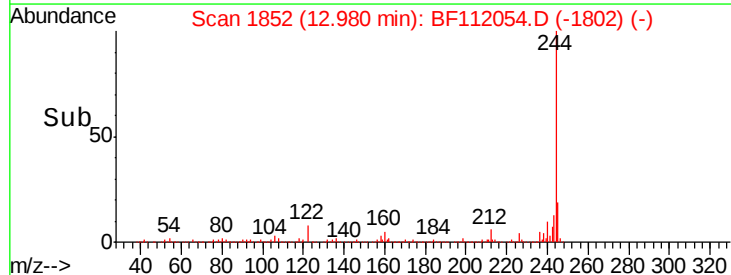
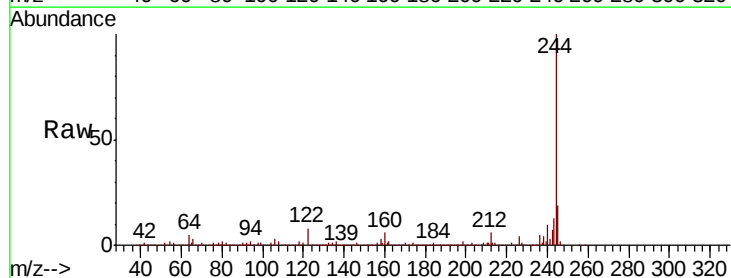
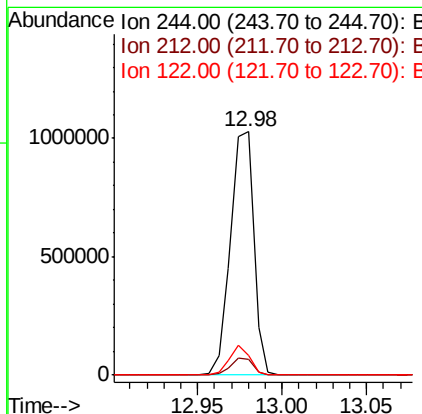
RT: 12.98 min Scan# 1852

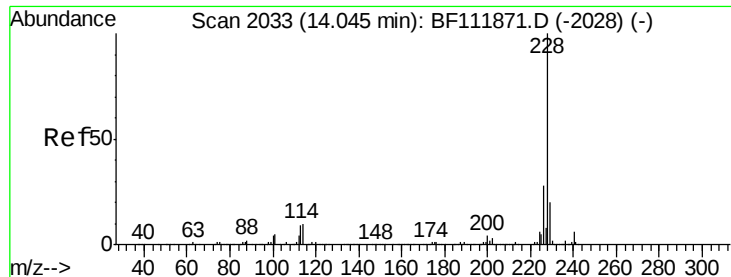
Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Tgt Ion:	244	Resp:	987887
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.8	8.8
122	8.1	9.5	14.3#





#81

Benzo(a)anthracene

Concen: 21.493 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Instrument :

BNA_F

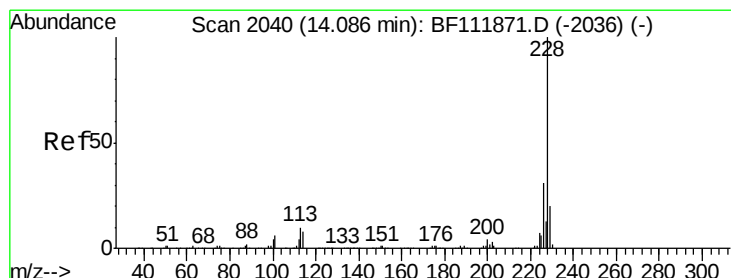
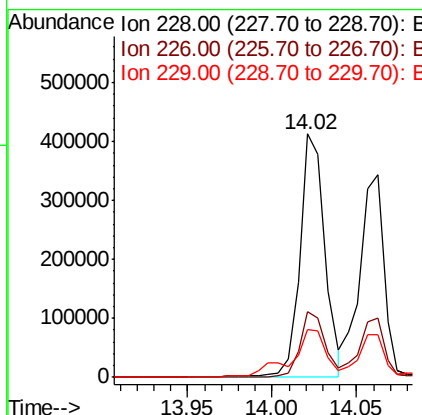
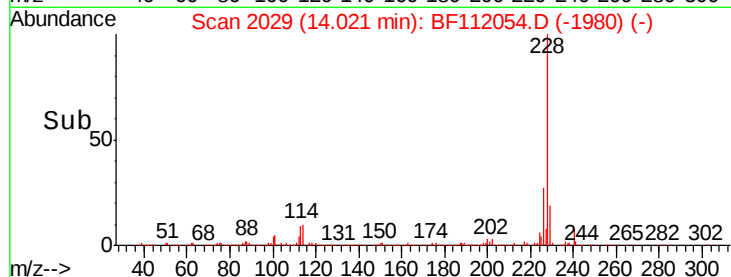
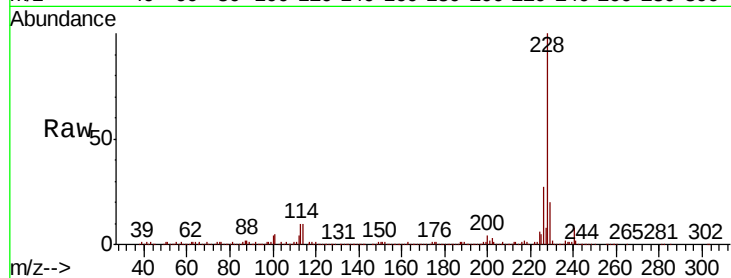
ClientSampleId :

CPSB-12(5-6)

Tot Ion:	228	Resp:	420703
Ion Ratio	Lower	Upper	
228	100		
226	26.9	22.2	33.2
229	19.6	16.2	24.2

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#83

Chrysene

Concen: 18.445 ng

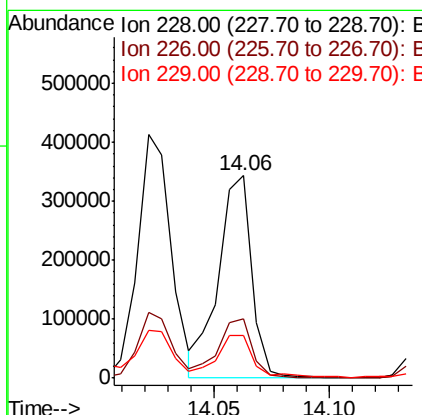
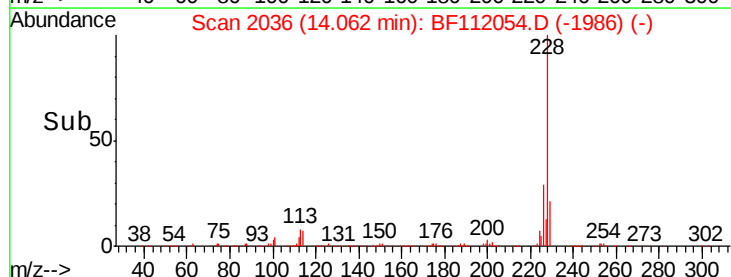
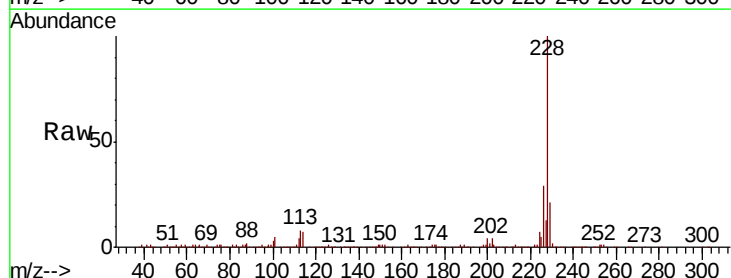
RT: 14.06 min Scan# 2036

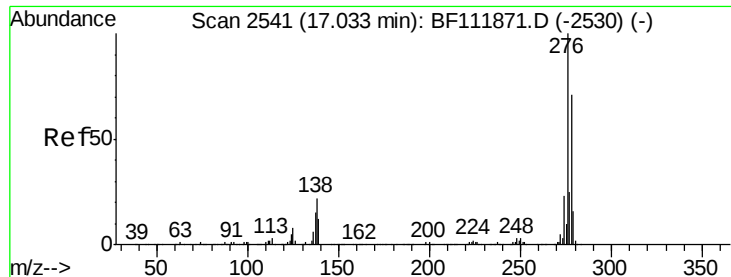
Delta R.T. -0.01 min

Lab File: BF112054.D

Acq: 14 Jan 2019 16:52

Tgt Ion:	228	Resp:	344245
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.6	37.0
229	21.2	15.7	23.5





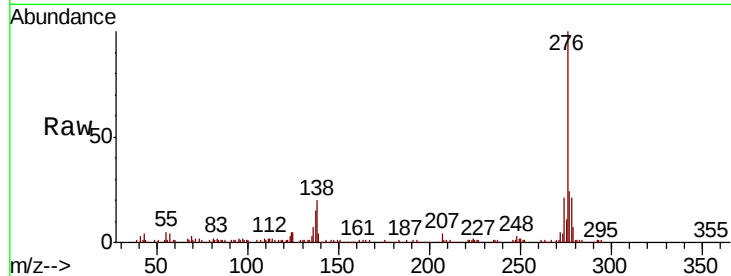
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.598 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.02 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	18.1	27.1
277	24.4	19.9	29.9

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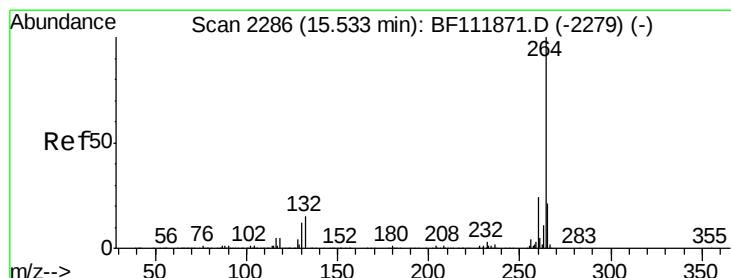
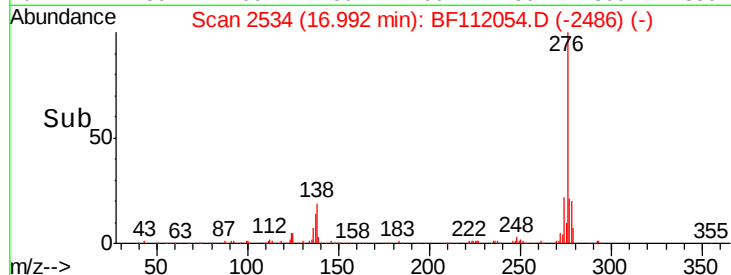
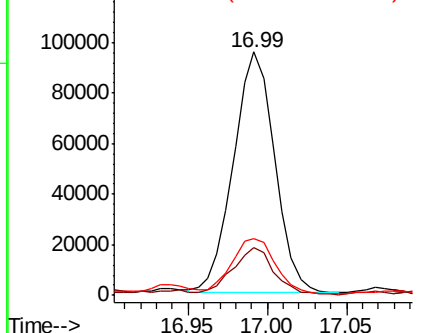


Abundance

Ion 276.00 (275.70 to 276.70): E

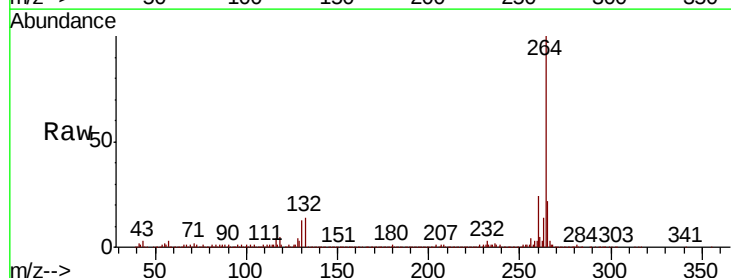
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.1	25.7

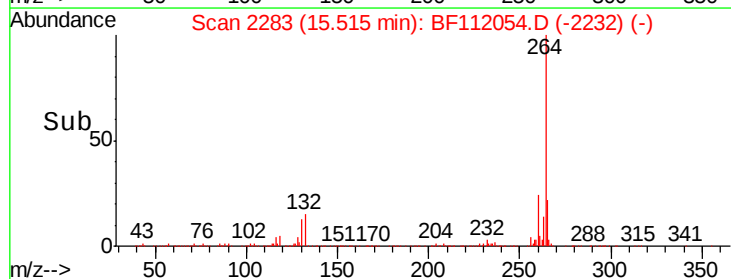
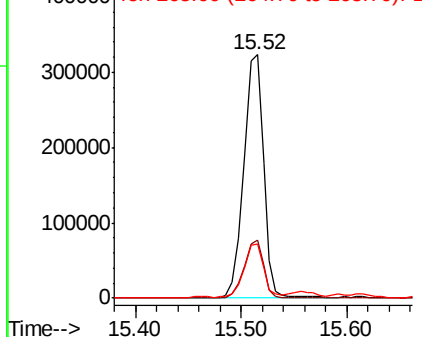


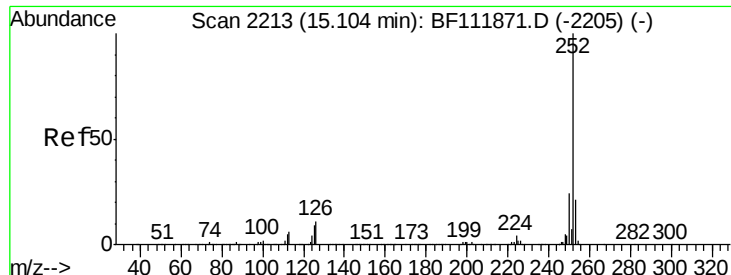
Abundance

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





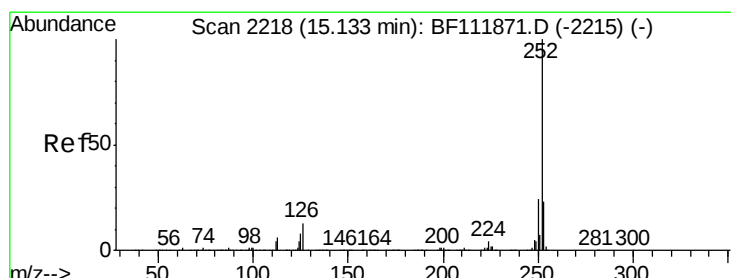
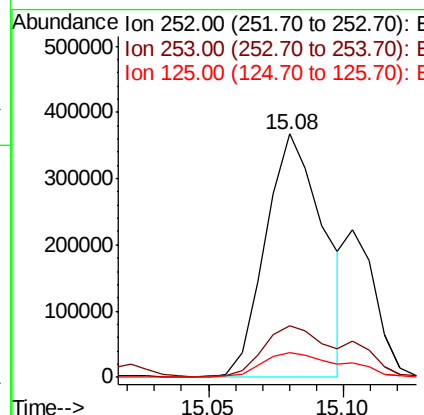
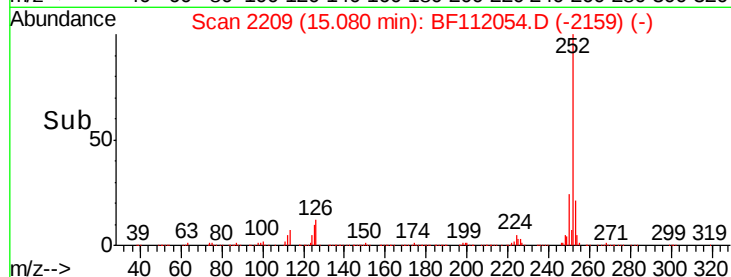
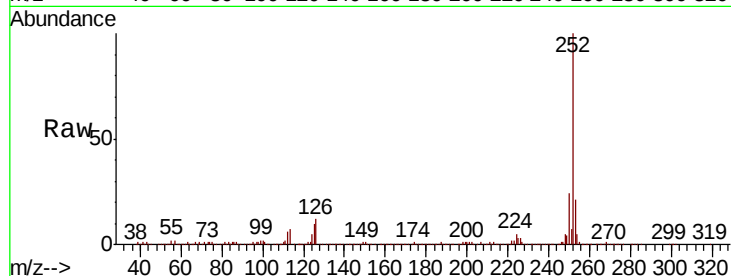
#88
Benzo(b)fluoranthene
Concen: 21.892 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampled :
CPSB-12(5-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	10.1	7.1	10.7

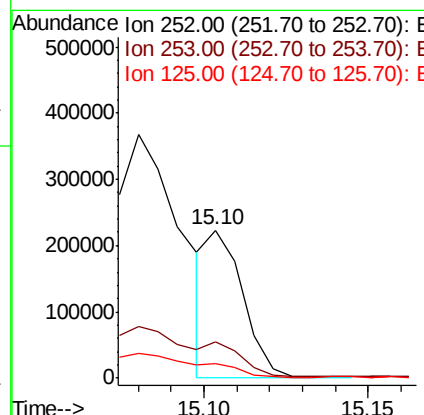
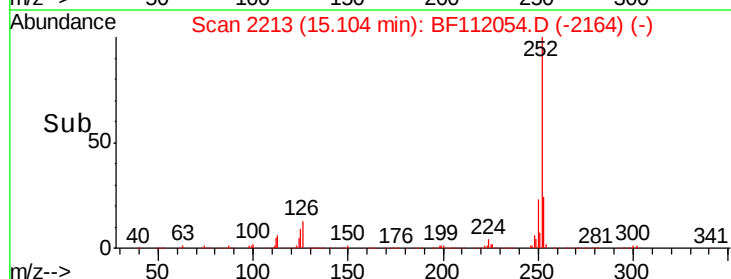
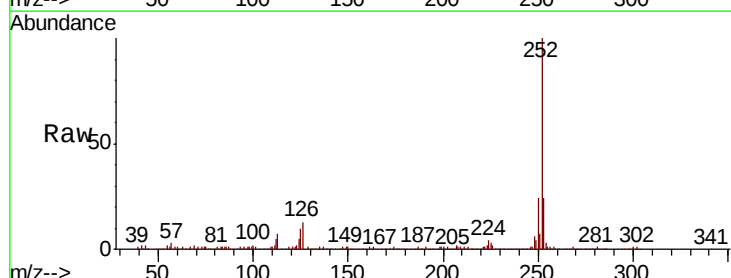
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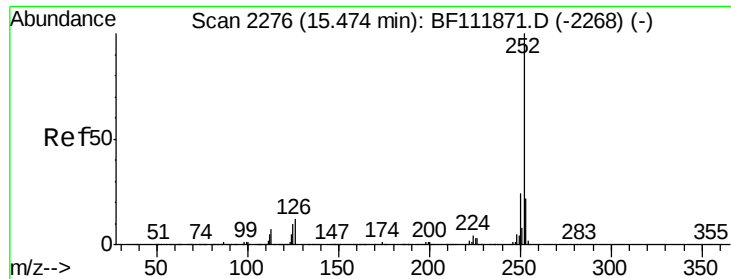
Sohil
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#89
Benzo(k)fluoranthene
Concen: 7.272 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	9.7	7.0	10.4





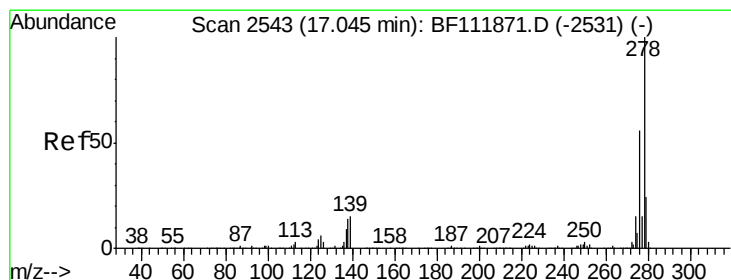
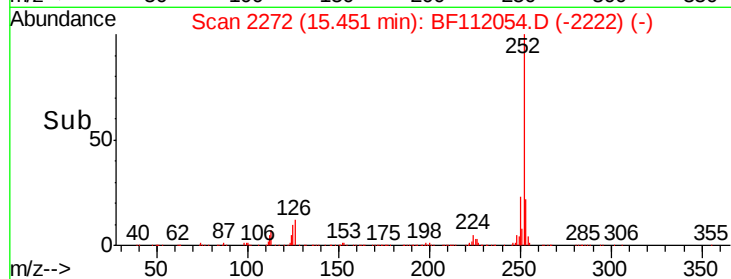
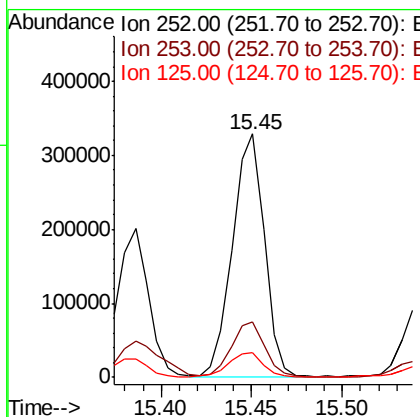
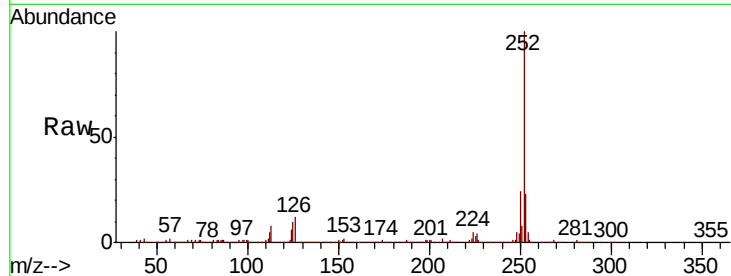
#90
Benzo(a)pyrene
Concen: 18.169 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Instrument :
BNA_F
ClientSampleId :
CPSB-12(5-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	10.3	7.9	11.9

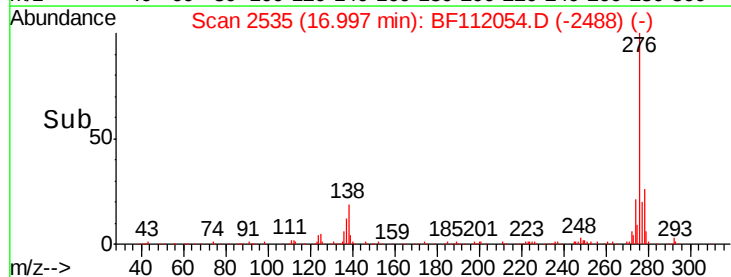
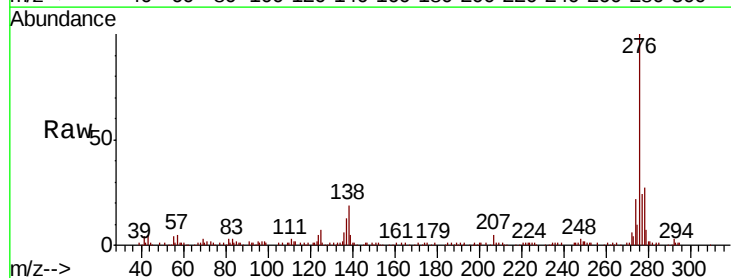
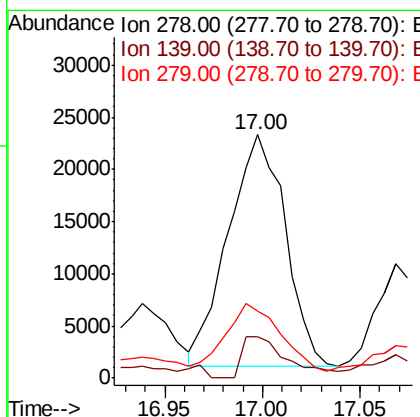
Manual Integrations
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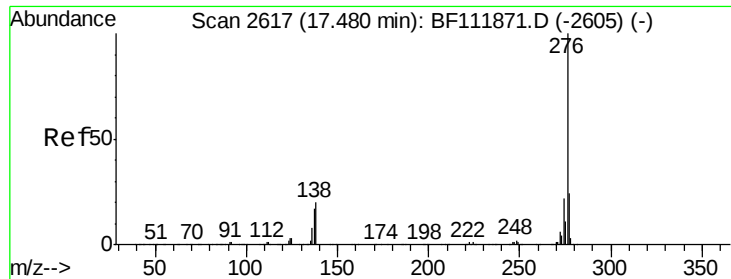
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 2.510 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.02 min
Lab File: BF112054.D
Acq: 14 Jan 2019 16:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.8	17.6
279	27.3	19.4	29.2





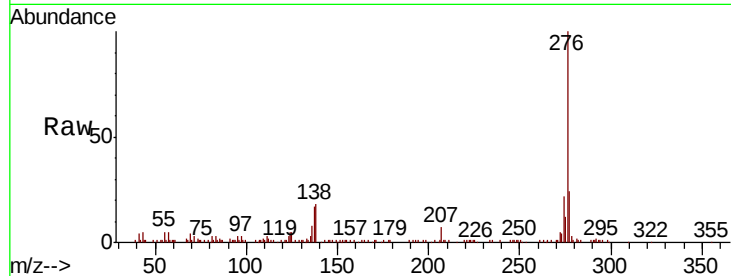
#92
 Benzo(a,h,i)perylene
 Concen: 8.433 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF112054.D
 Acq: 14 Jan 2019 16:52

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-12(5-6)

Tot Ion:	276	Resp:	147127
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.0	28.6
138	18.1	16.2	24.2

Manual Integrations
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 1/15/2019 12:19:21 PM



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

