

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110124.D
 Acq On : 24 Oct 2018 19:28
 Operator : JU/SJ
 Sample : J5198-27 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-D

Manual Integrations
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Sohil
 10/25/2018 11:15:24 AM

Quant Time: Oct 25 04:27:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	123608	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	442262	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	177879	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	326514	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	265960	20.00	ng	-0.01
87) Perylene-d12	15.69	264	181286	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	381917	50.31	ng	-0.02
7) Phenol-d6	6.58	99	449569	46.31	ng	-0.02
23) Nitrobenzene-d5	7.53	82	244736	32.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	79349	45.03	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	432964	38.22	ng	-0.02
79) Terphenyl-d14	13.09	244	440758	34.47	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	27015	2.603	ng	Qvalue # 69
49) Acenaphthylene	9.87	152	53731	3.153	ng	98
50) Dimethylphthalate	9.72	163	52323	3.985	ng	99
52) Acenaphthene	10.05	154	30526	2.708	ng	96
55) Dibenzofuran	10.22	168	42284	2.679	ng	95
58) Fluorene	10.56	166	71582	6.093	ng	100
71) Phenanthrene	11.53	178	401135	23.479	ng	100
72) Anthracene	11.58	178	120905	7.060	ng	97
75) Fluoranthene	12.72	202	410051	23.649	ng	99
78) Pyrene	12.95	202	329024	17.256	ng	98
81) Benzo(a)anthracene	14.14	228	165398	10.487	ng	98
83) Chrysene	14.18	228	153792	10.266	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	54346	4.373	ng	97
88) Benzo(b)fluoranthene	15.23	252	147818m	14.120	ng	
89) Benzo(k)fluoranthene	15.25	252	50105m	4.868	ng	
90) Benzo(a)pyrene	15.62	252	89692	9.311	ng	# 92
92) Benzo(a,h,i)perylene	17.72	276	49466	6.039	ng	94

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

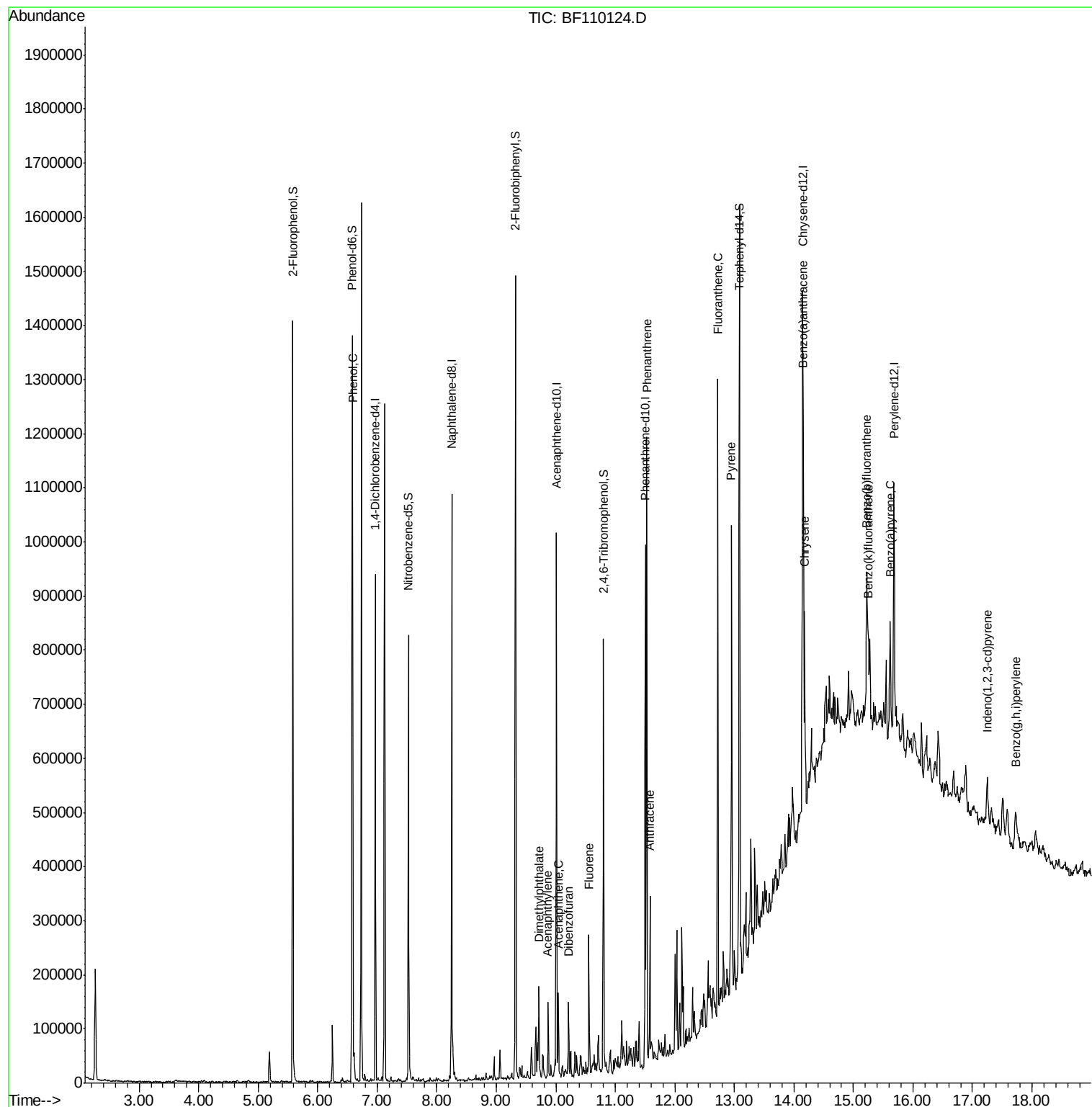
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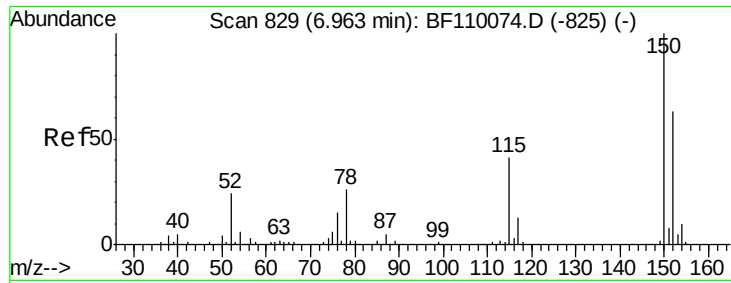
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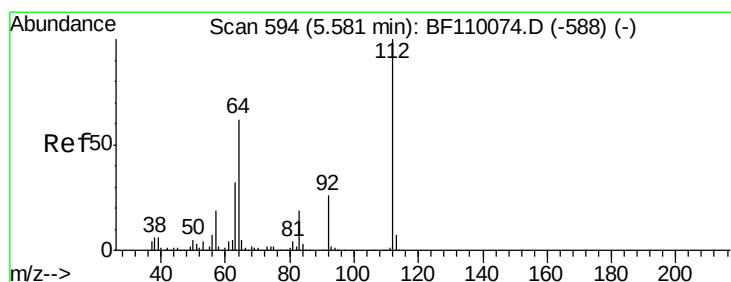
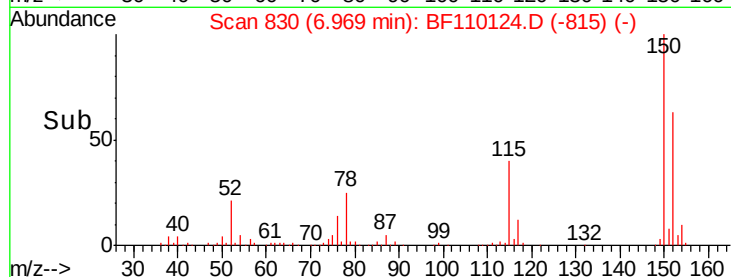
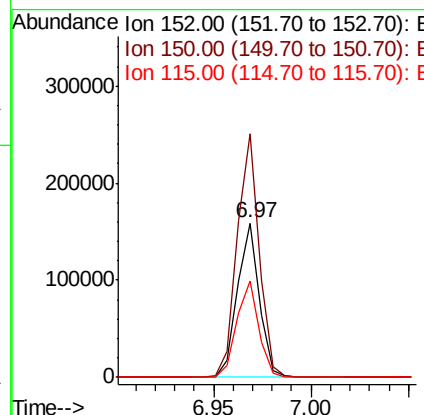
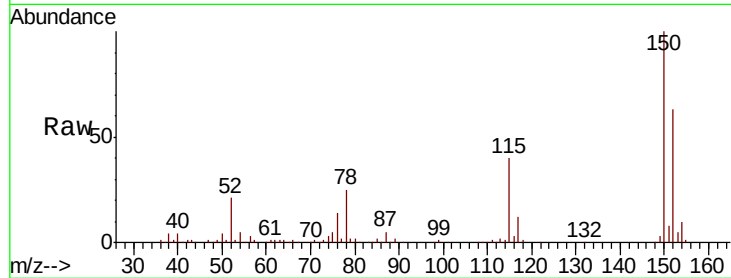
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110124.D
 Acq: 24 Oct 2018 19:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.7	184.1
115	62.4	49.1	73.7

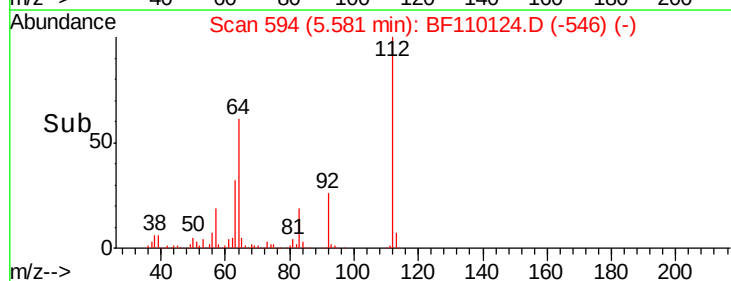
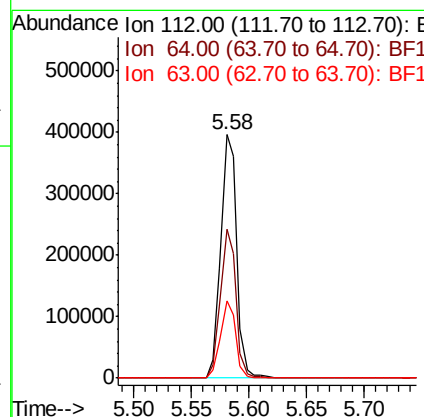
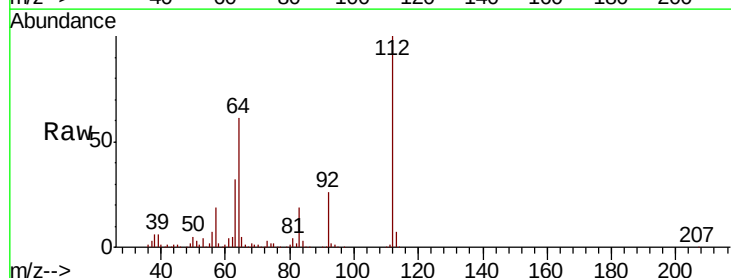
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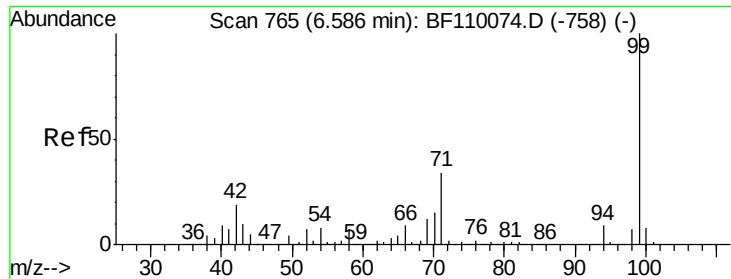
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#5
 2-Fluorophenol
 Concen: 50.315 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110124.D
 Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	44.1	66.1
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 46.305 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Instrument :

BNA_F

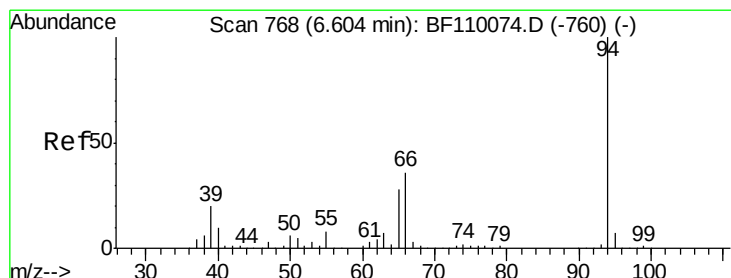
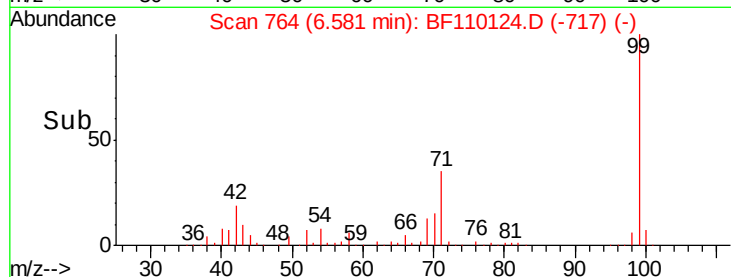
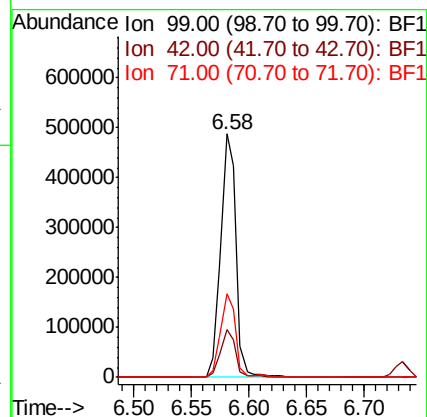
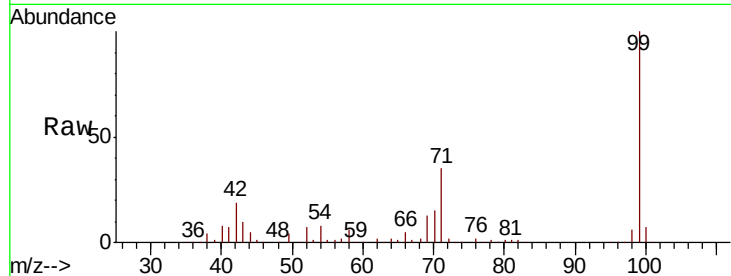
ClientSampleId :

CL-01-102318-D

Tot Ion:	99	Resp:	449569
Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.8	23.6
71	34.5	28.0	42.0

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#10

Phenol

Concen: 2.603 ng

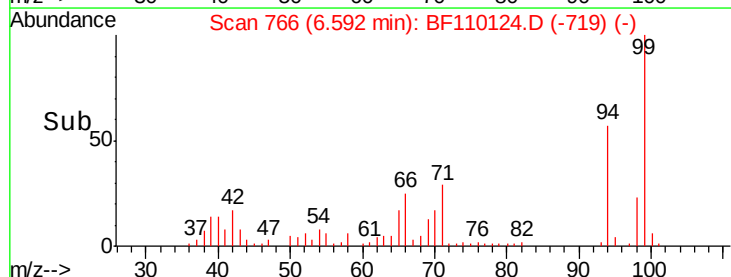
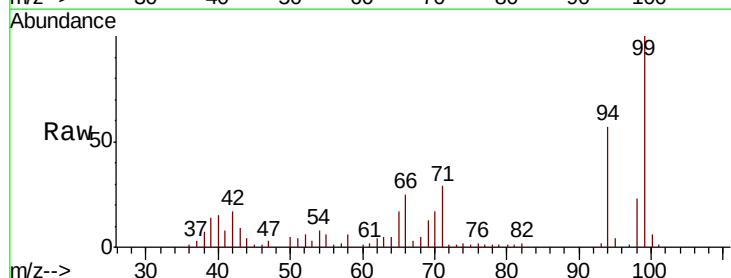
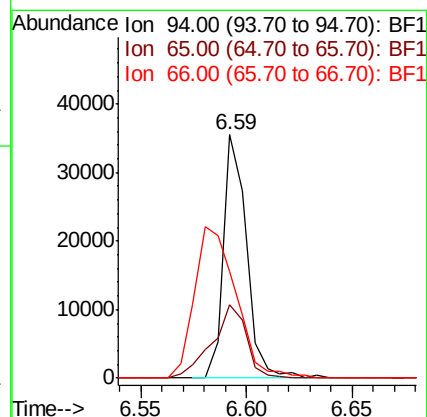
RT: 6.59 min Scan# 766

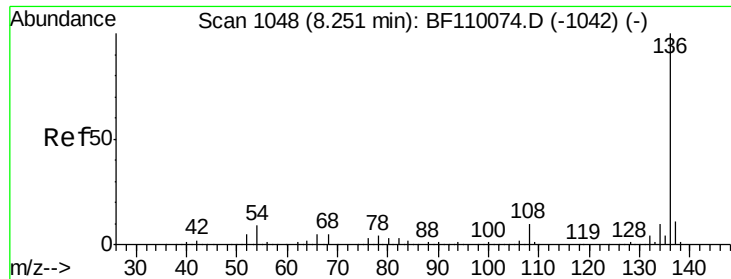
Delta R.T. -0.02 min

Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Tgt Ion:	94	Resp:	27015
Ion	Ratio	Lower	Upper
94	100		
65	30.1	25.3	65.3
66	43.6	54.5	94.5#





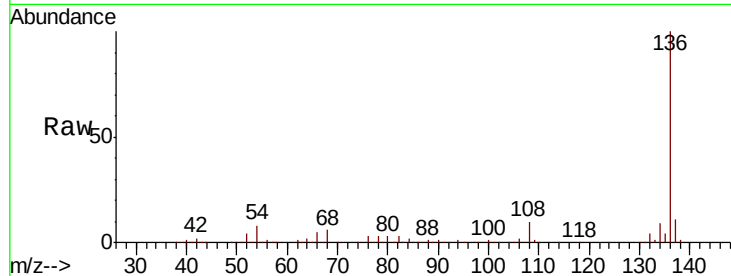
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		442262		
137	10.7		8.8	13.2	
54	8.2		5.4	8.2	
68	5.7		4.2	6.2	

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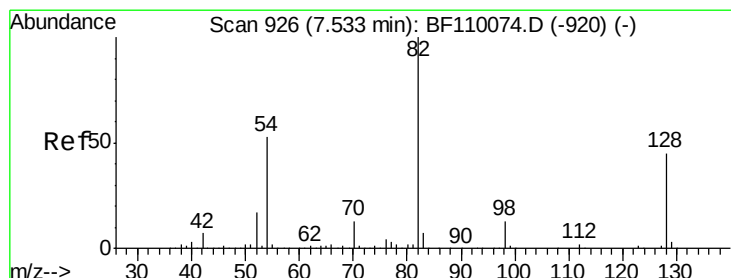
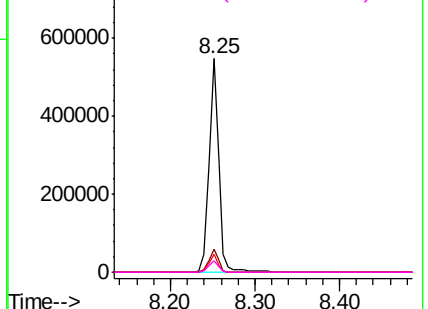
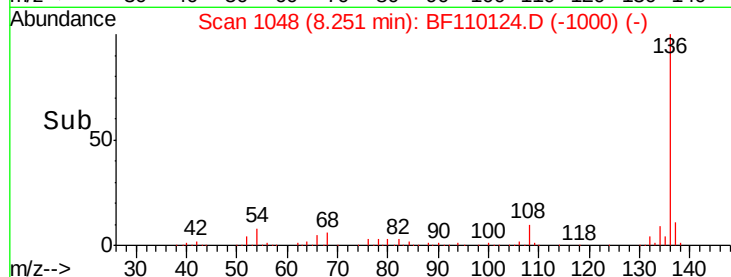
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

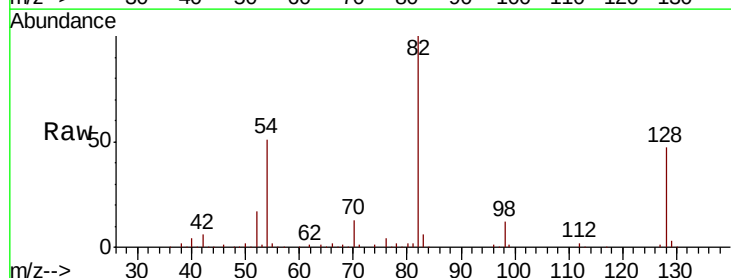
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 32.822 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		244736		
128	47.3		34.2	51.2	
54	51.2		38.6	58.0	

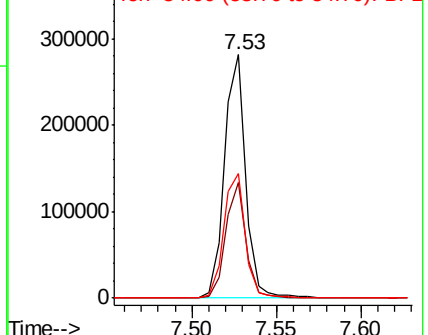
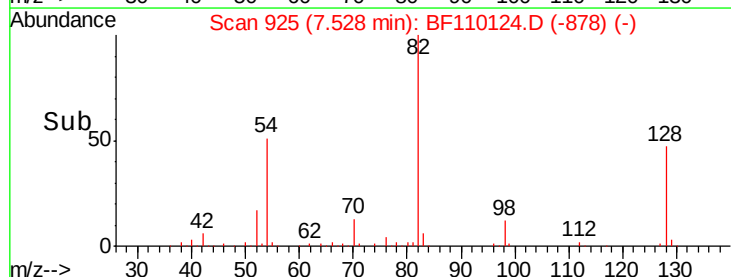


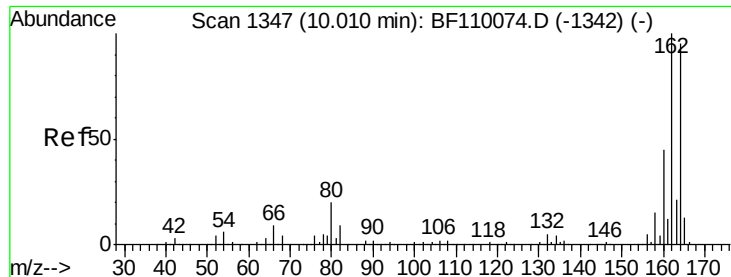
Abundance

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





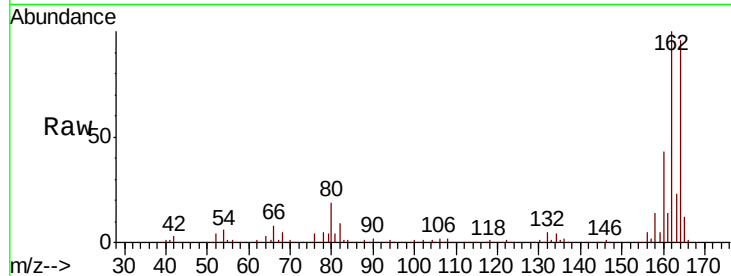
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.0	124.6
160	44.5	37.0	55.6

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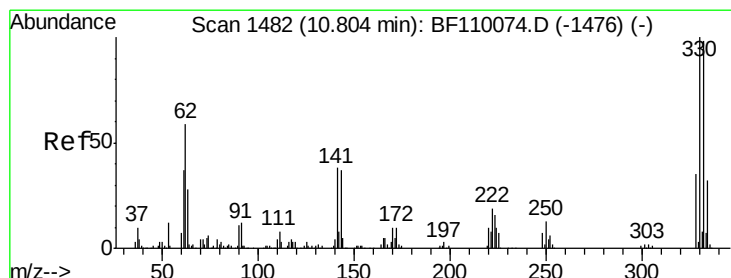
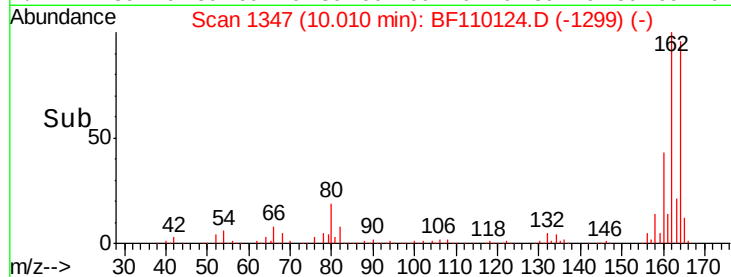
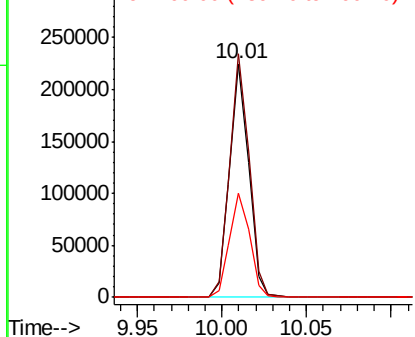


Abundance

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: 45.033 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

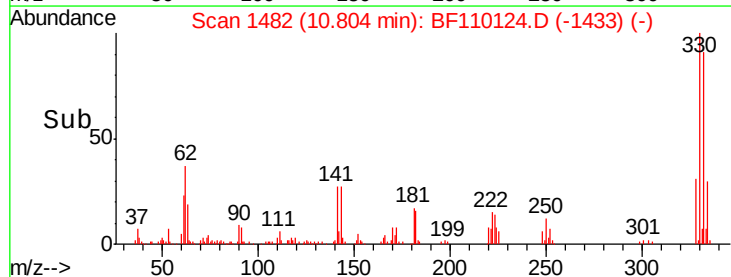
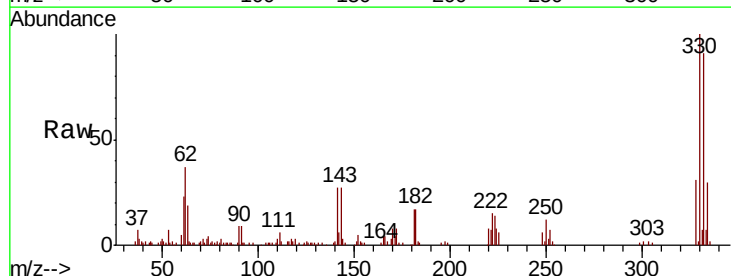
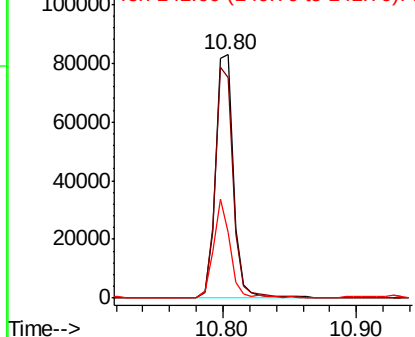
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.1	115.7
141	37.2	27.0	40.4

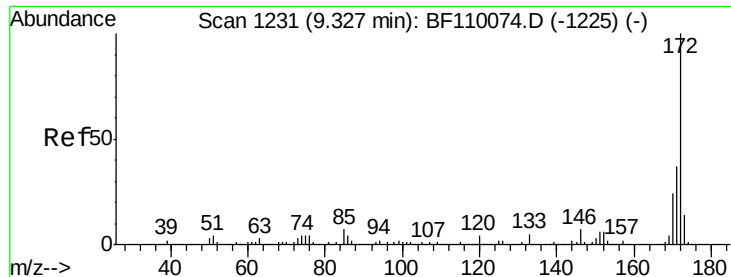
Abundance

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





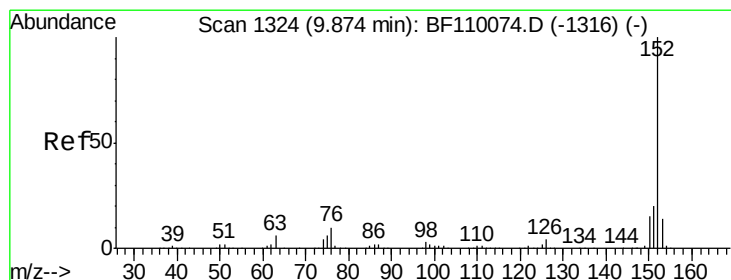
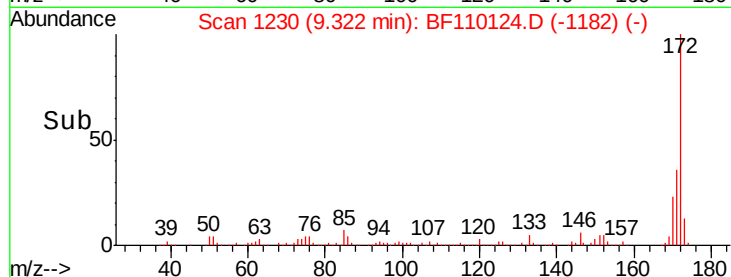
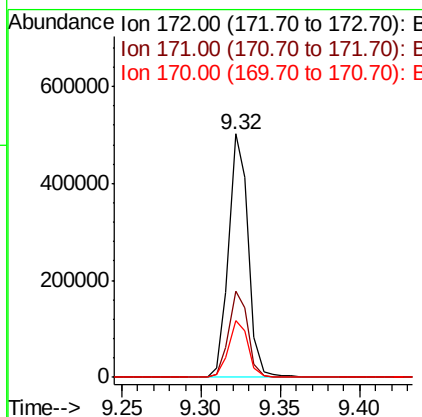
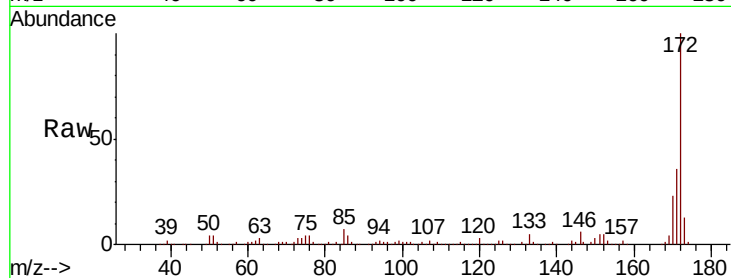
#45
2-Fluorobiphenyl
Concen: 38.221 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
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CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.5	19.7	29.5

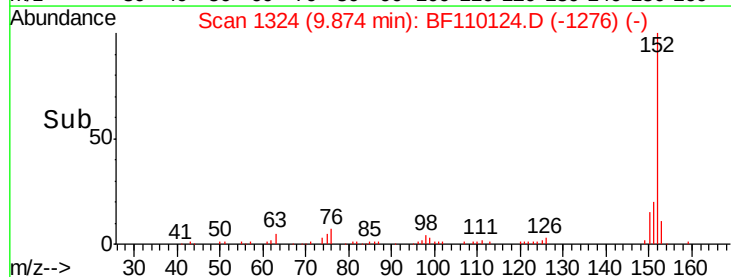
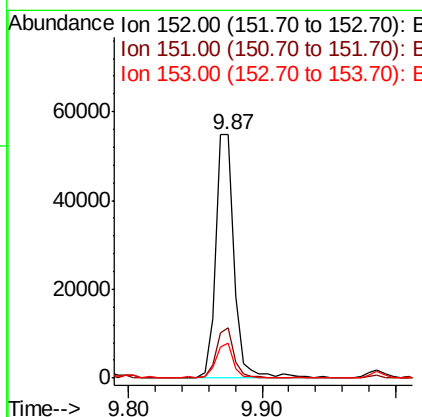
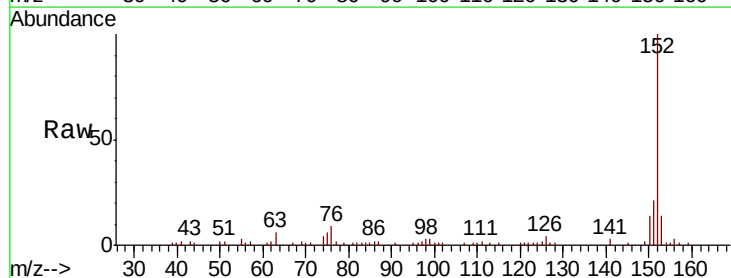
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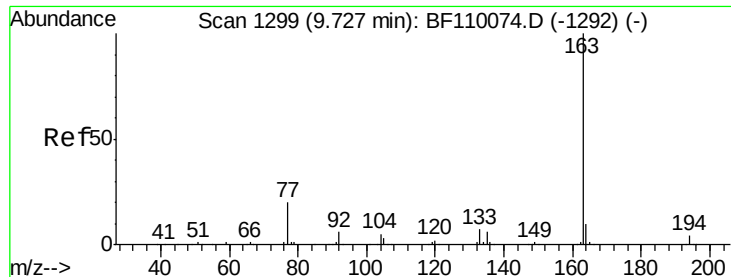
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#49
Acenaphthylene
Concen: 3.153 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.8
153	14.3	10.4	15.6





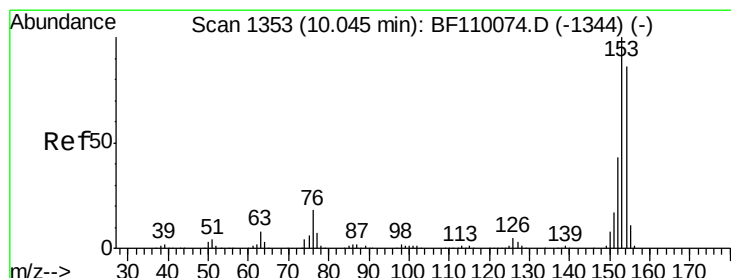
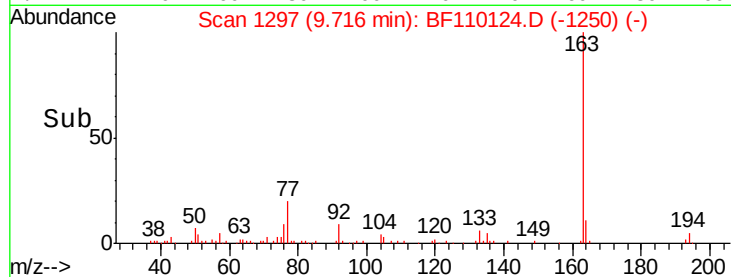
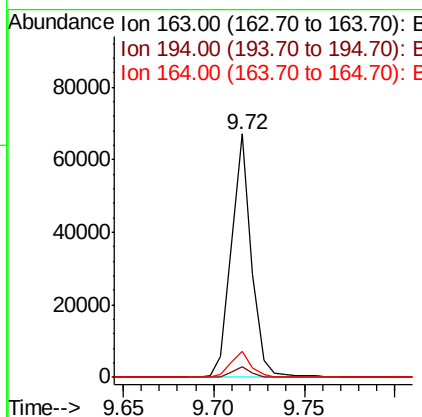
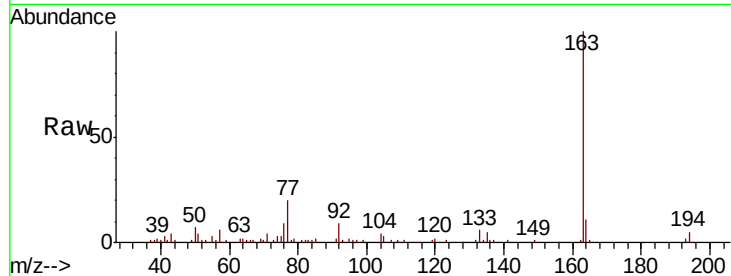
#50
Dimethylphthalate
Concen: 3.985 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.2	4.8
164	10.6	8.1	12.1

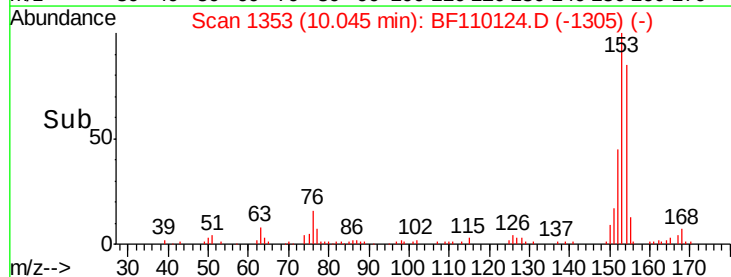
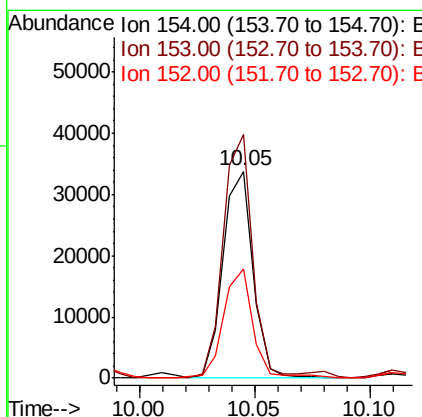
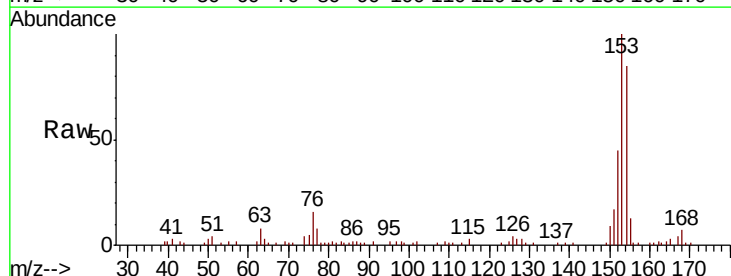
Manual Integrations
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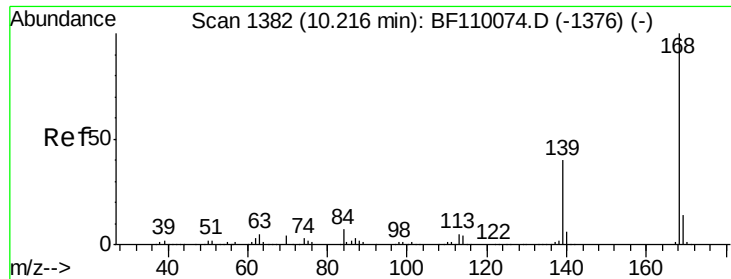
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#52
Acenaphthene
Concen: 2.708 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.8	90.1	135.1
152	52.9	43.4	65.2





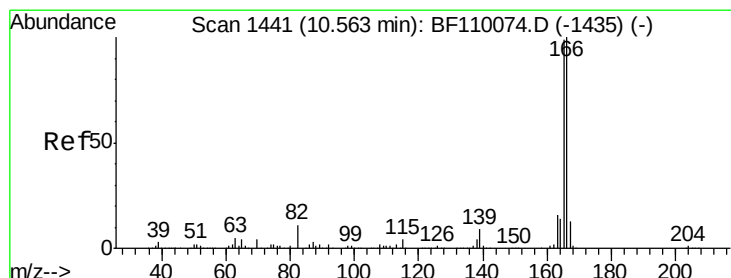
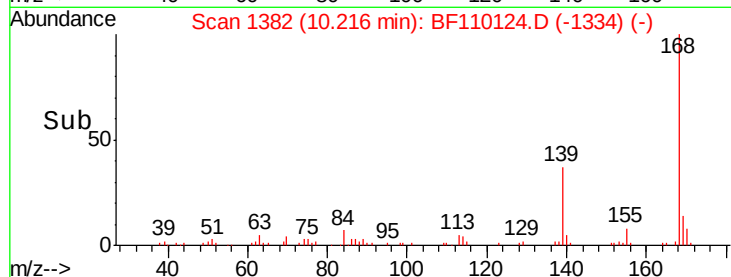
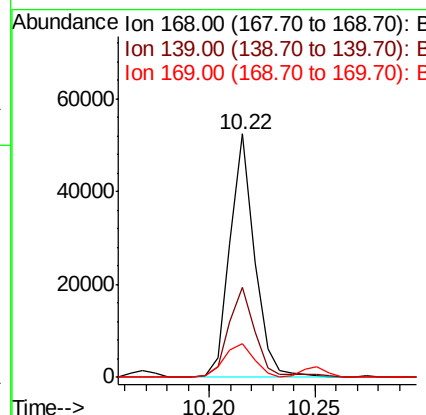
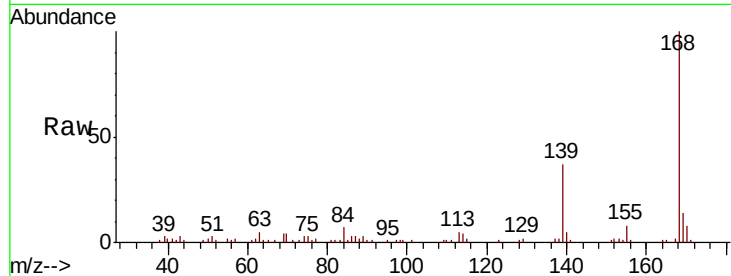
#55
Dibenzenofuran
Concen: 2.679 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	33.0	49.6
169	13.8	11.3	16.9

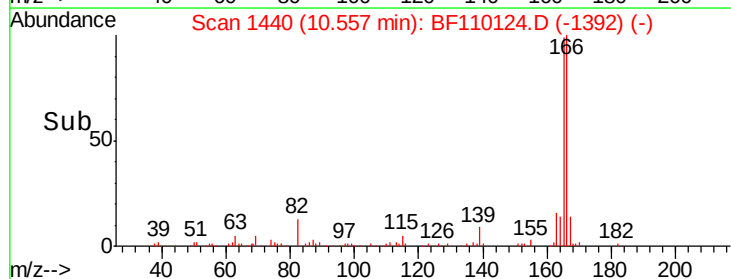
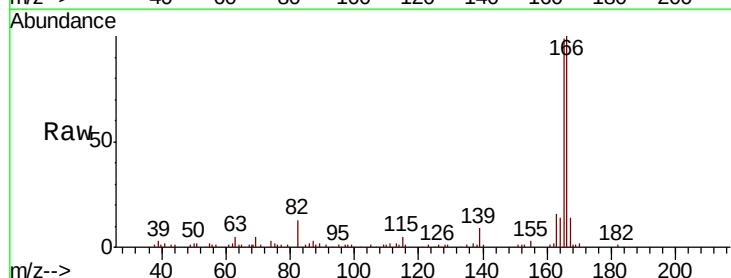
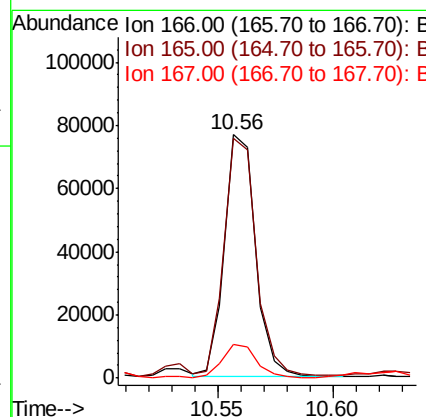
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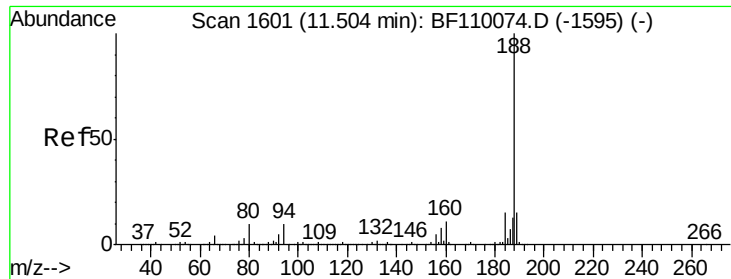
Sohil
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#58
Fluorene
Concen: 6.093 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.6	117.8
167	13.6	10.8	16.2





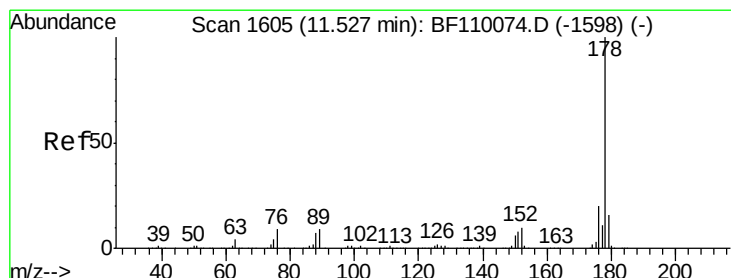
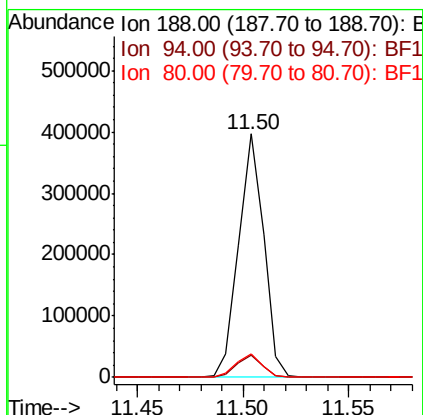
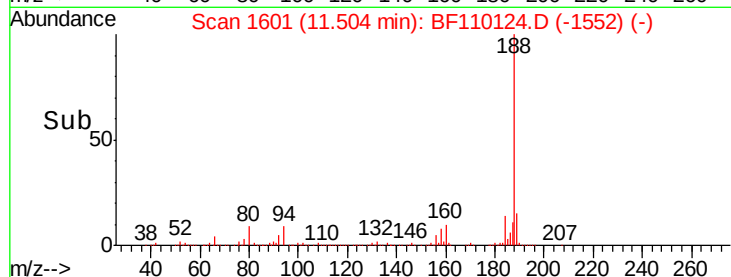
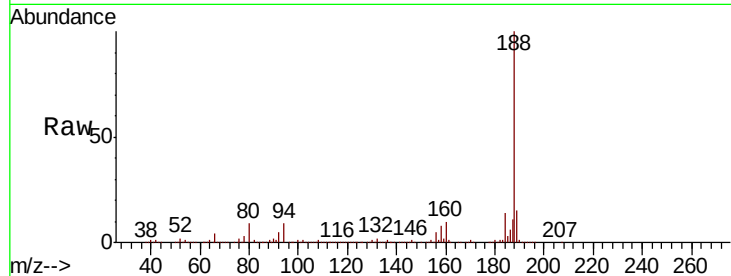
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	326514		
94	9.2		7.2	10.8
80	9.4		7.9	11.9

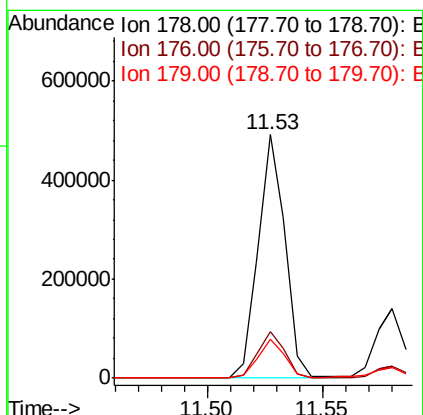
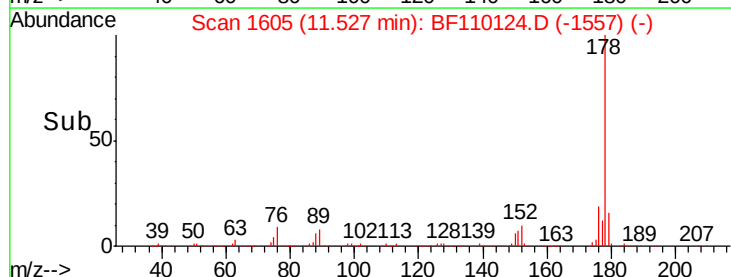
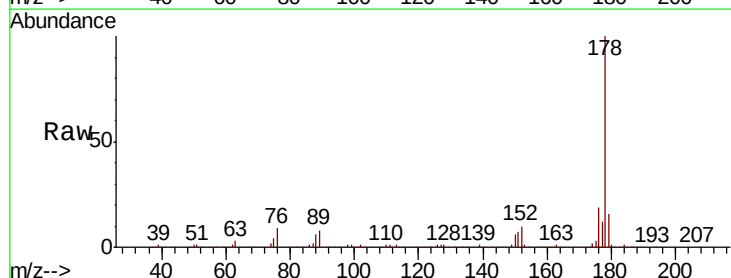
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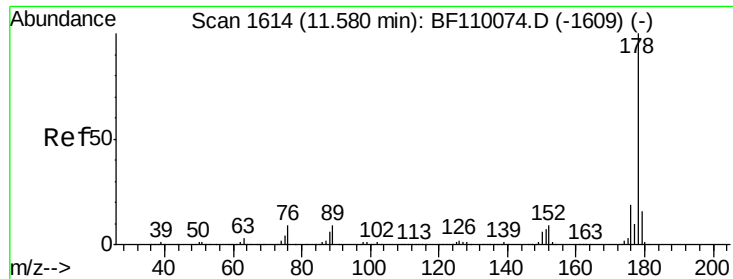
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#71
Phenanthrene
Concen: 23.479 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	401135		
176	19.3		15.5	23.3
179	15.9		12.5	18.7





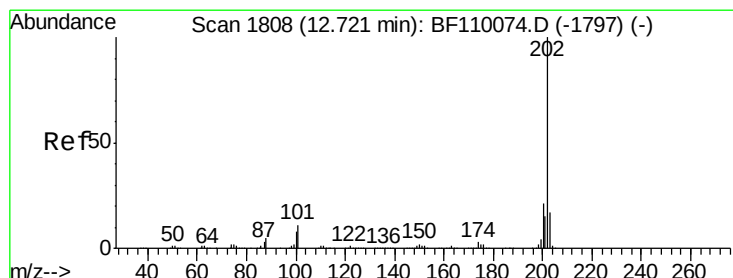
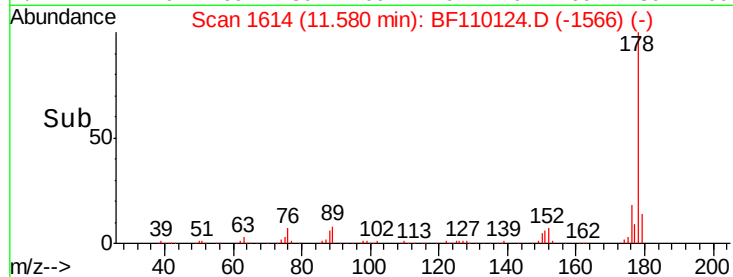
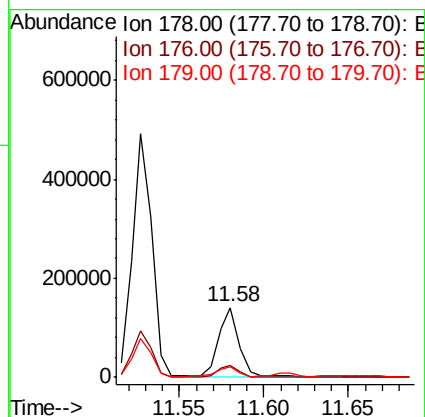
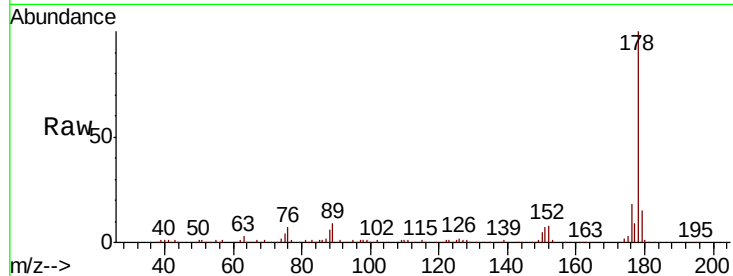
#72
 Anthracene
 Concen: 7.060 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.02 min
 Lab File: BF110124.D
 Acq: 24 Oct 2018 19:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.6	12.6	18.8

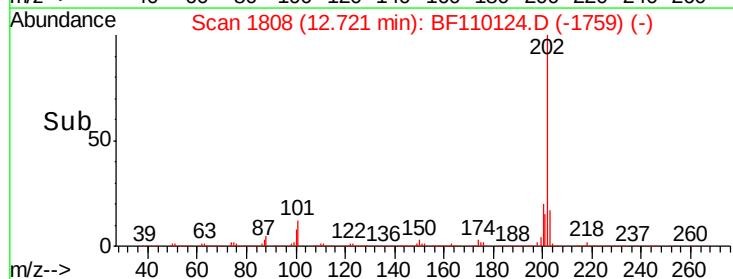
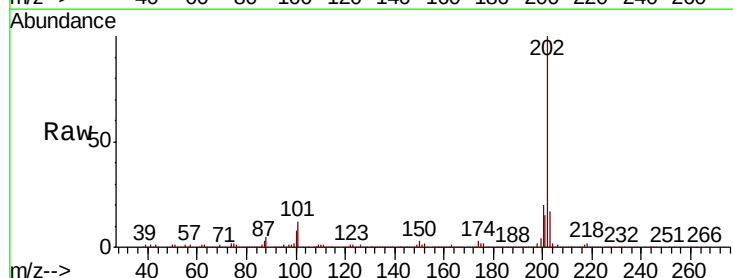
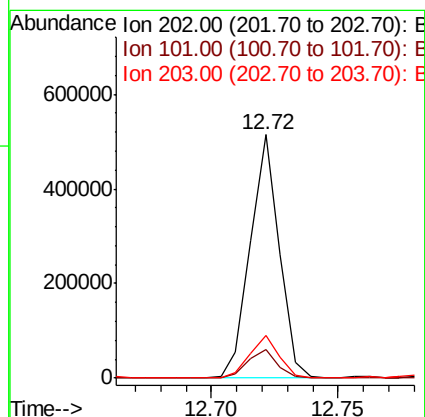
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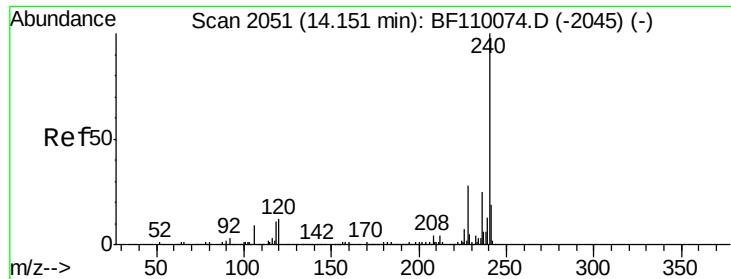
Sohil
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#75
 Fluoranthene
 Concen: 23.649 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110124.D
 Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	17.4	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Instrument :

BNA_F

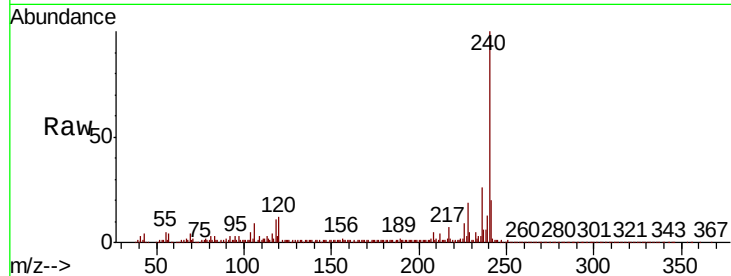
ClientSampleId :

CL-01-102318-D

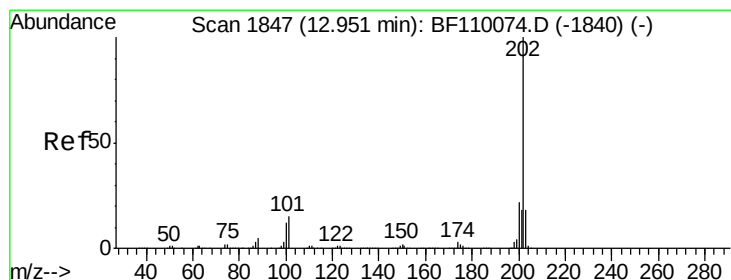
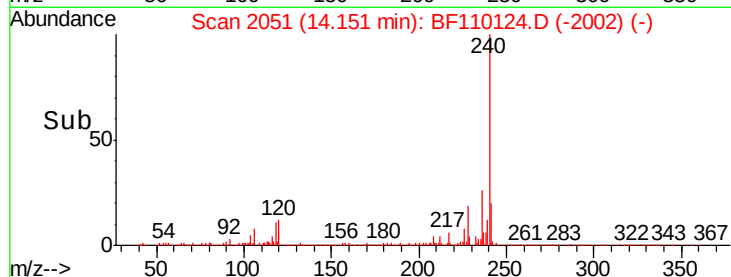
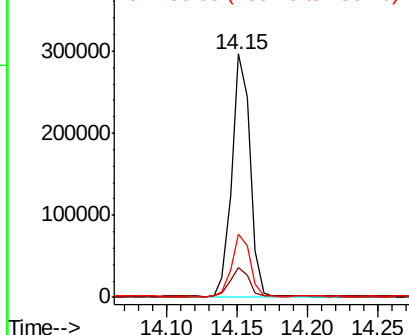
Tot Ion:	240	Resp:	265960
Ion Ratio		Lower	Upper
240	100		
120	12.5	8.3	12.5
236	25.8	21.2	31.8

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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

Pyrene

Concen: 17.256 ng

RT: 12.95 min Scan# 1847

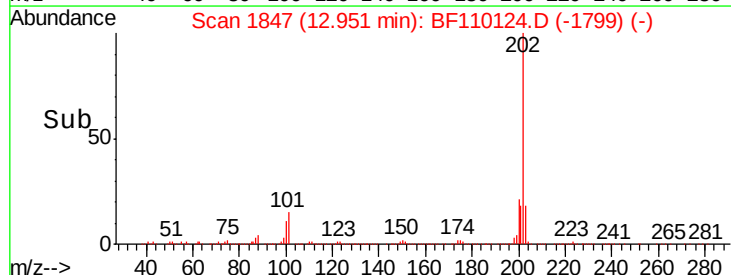
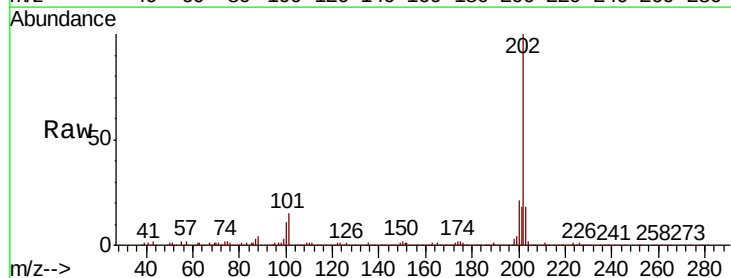
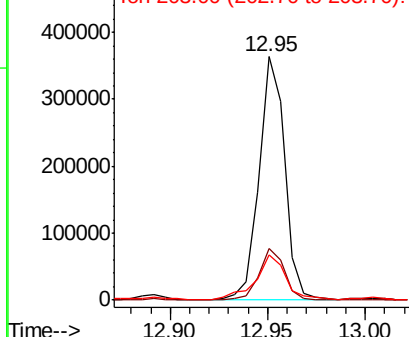
Delta R.T. -0.02 min

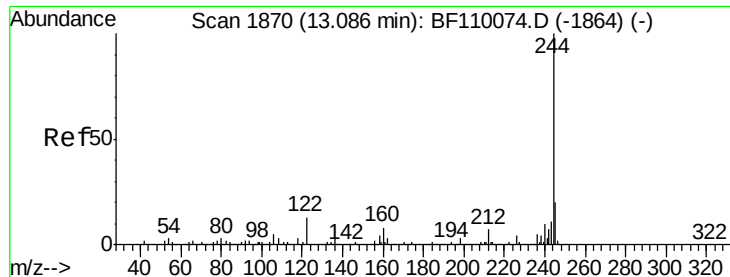
Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Tgt Ion:	202	Resp:	329024
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.8	26.6
203	18.3	14.2	21.4

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 34.466 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Instrument :

BNA_F

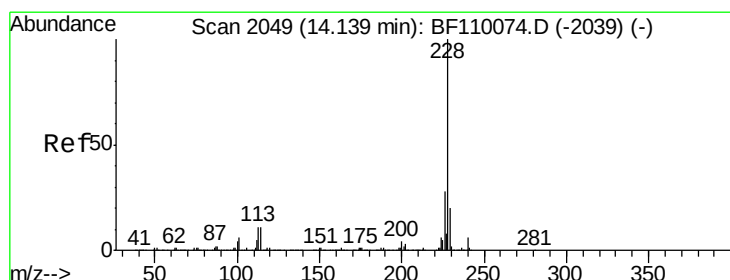
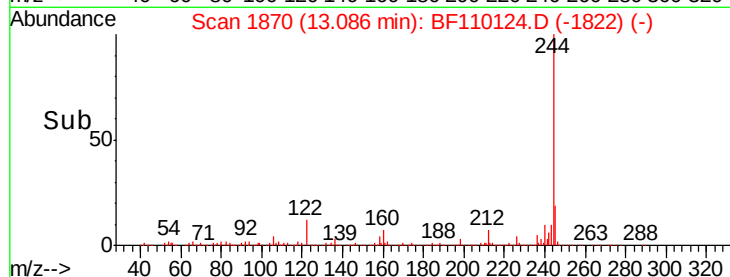
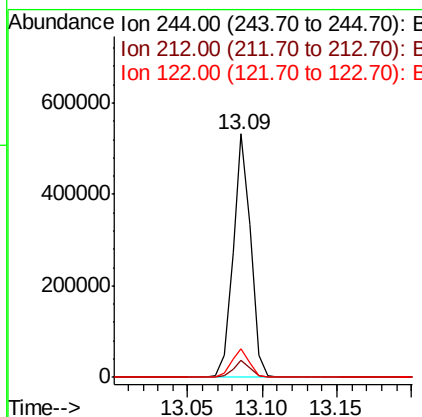
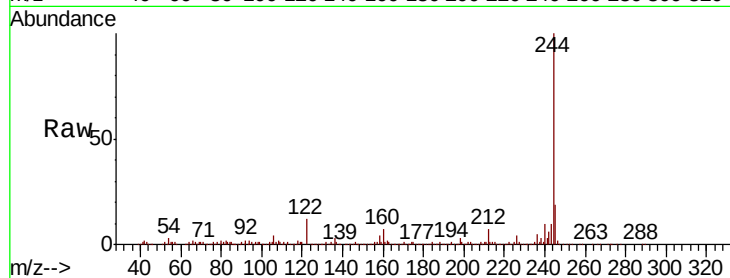
ClientSampleId :

CL-01-102318-D

Tot Ion:	244	Resp:	440758
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.6	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 10.487 ng

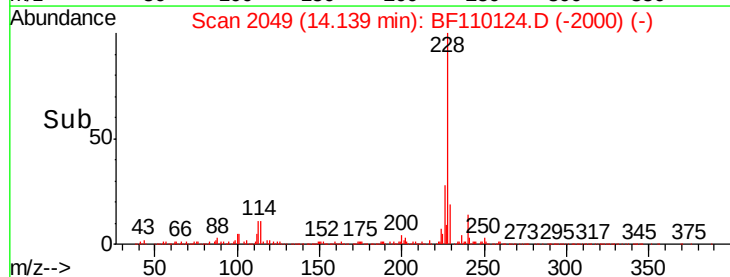
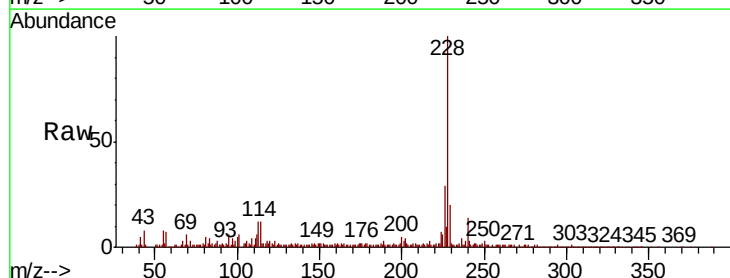
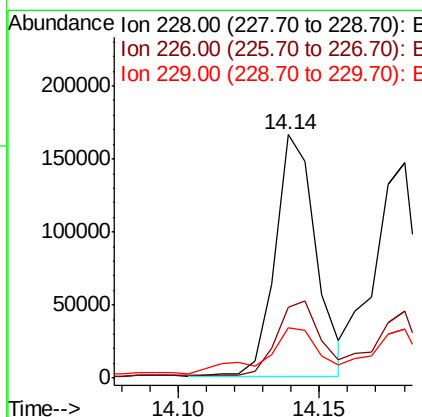
RT: 14.14 min Scan# 2049

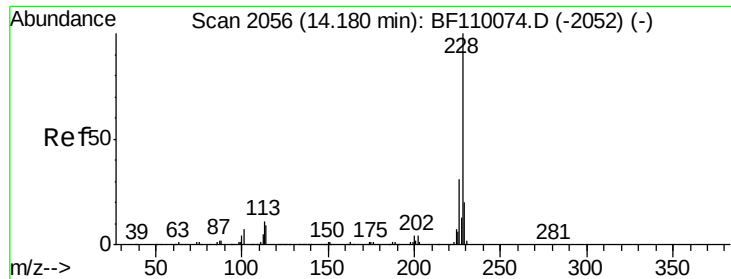
Delta R.T. -0.01 min

Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Tgt Ion:	228	Resp:	165398
Ion Ratio		Lower	Upper
228	100		
226	29.0	22.1	33.1
229	20.5	15.6	23.4





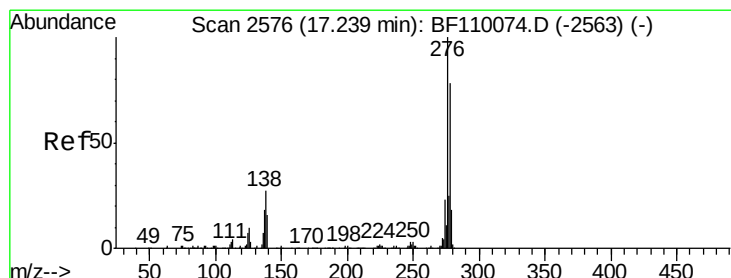
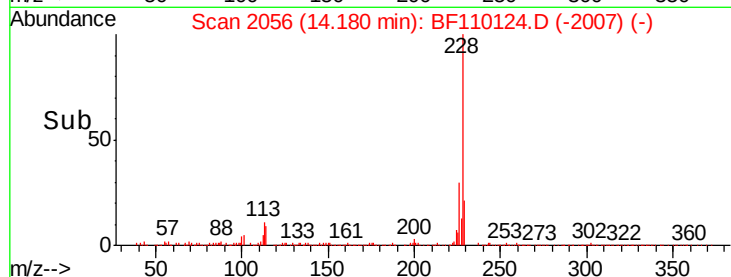
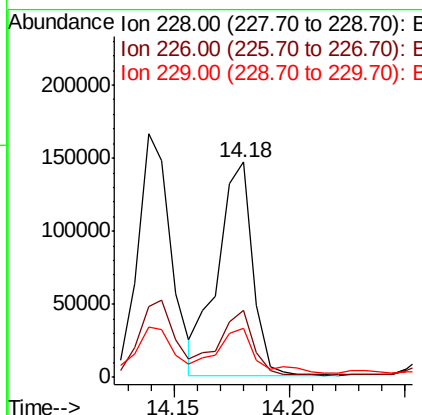
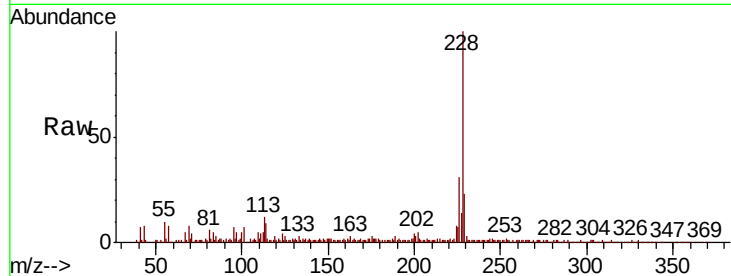
#83
Chrysene
Concen: 10.266 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion:	228	Resp:	153792
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.7	37.1
229	23.1	15.9	23.9

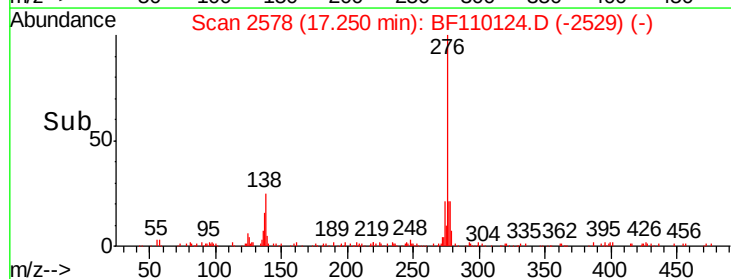
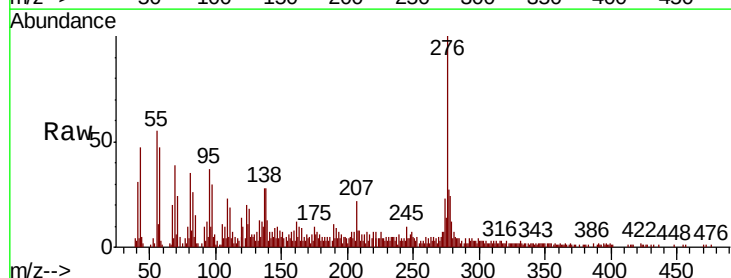
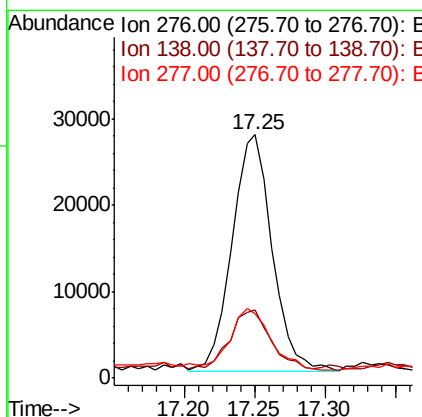
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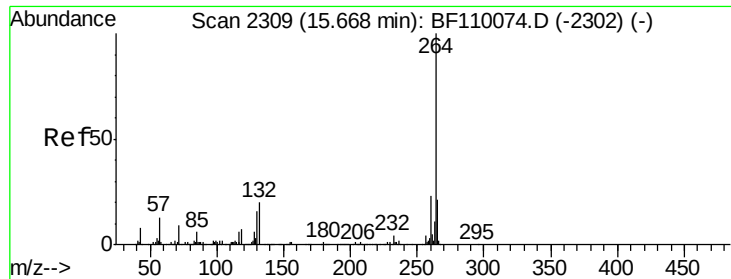
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.373 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion:	276	Resp:	54346
Ion Ratio	Lower	Upper	
276	100		
138	24.9	18.5	27.7
277	25.7	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BF110124.D

Acq: 24 Oct 2018 19:28

Instrument :

BNA_F

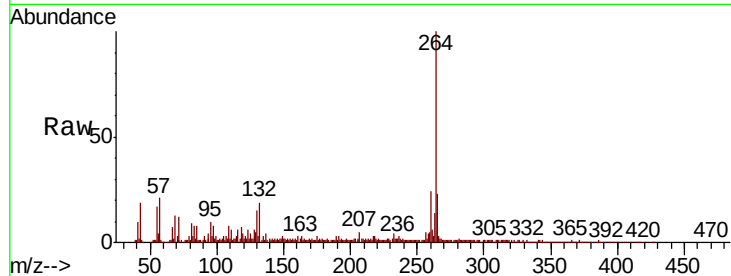
ClientSampleId :

CL-01-102318-D

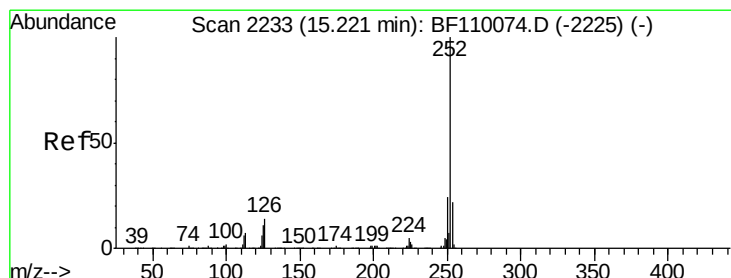
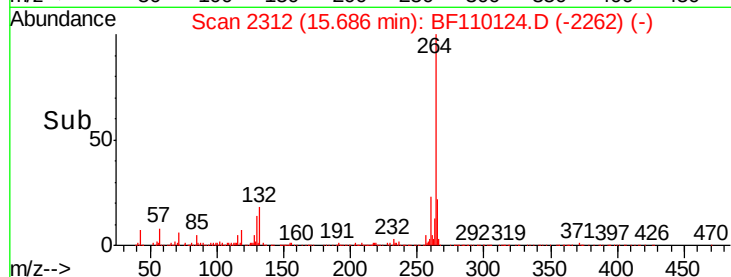
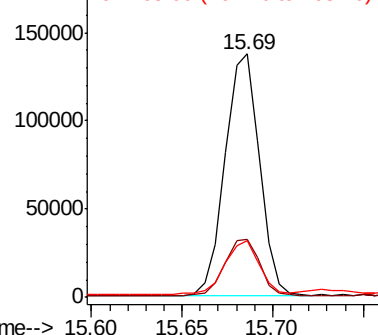
Tot Ion:	264	Resp:	181286
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	23.2	16.7	25.1

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 14.120 ng m

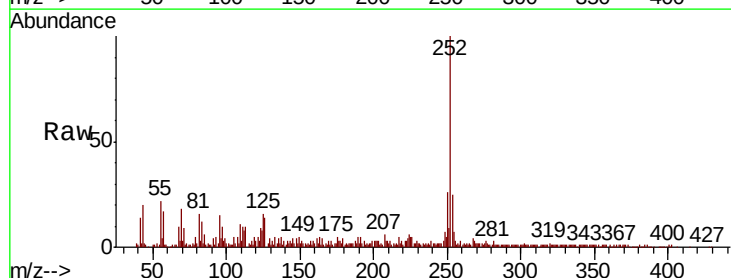
RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

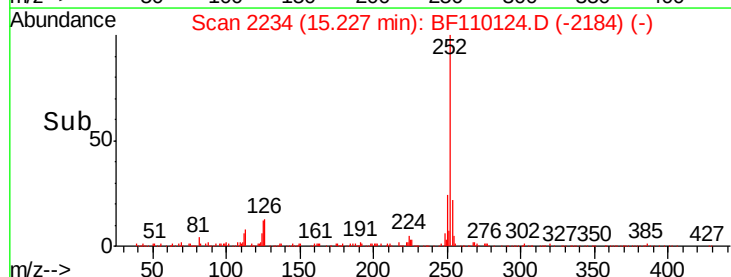
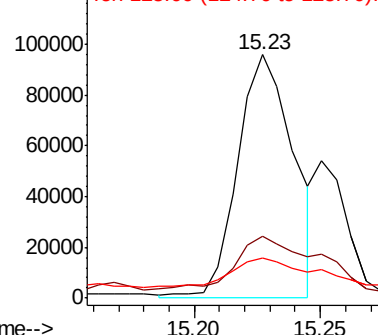
Lab File: BF110124.D

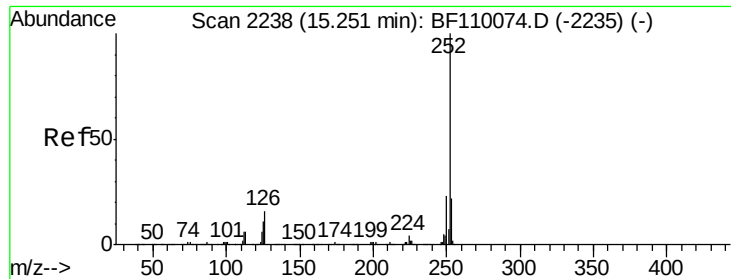
Acq: 24 Oct 2018 19:28

Tgt Ion:	252	Resp:	147818
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.2	25.8
125	16.3	8.2	12.4#



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





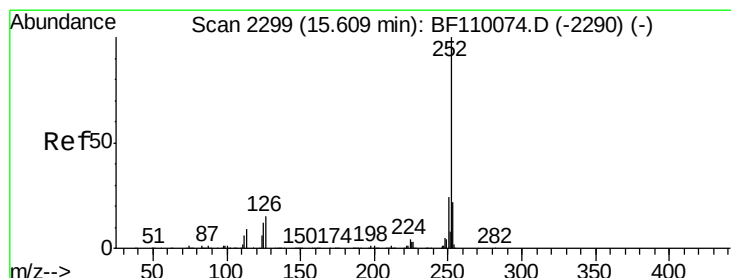
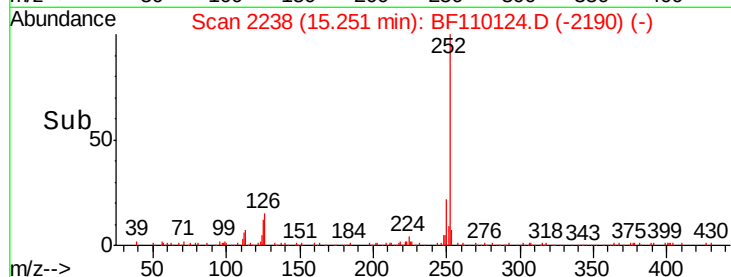
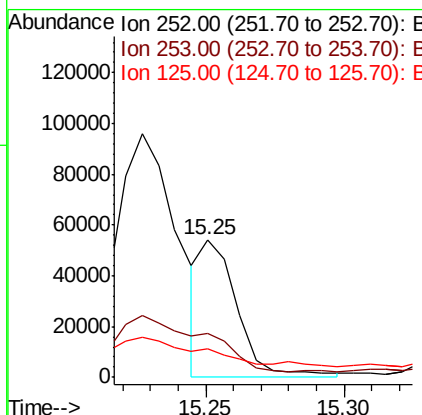
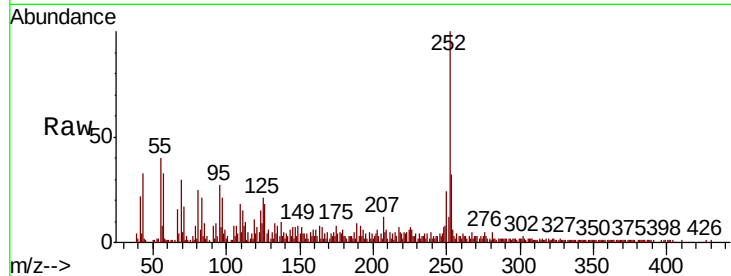
#89
Benzo(k)fluoranthene
Concen: 4.868 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.2	25.8#
125	21.1	7.4	11.0#

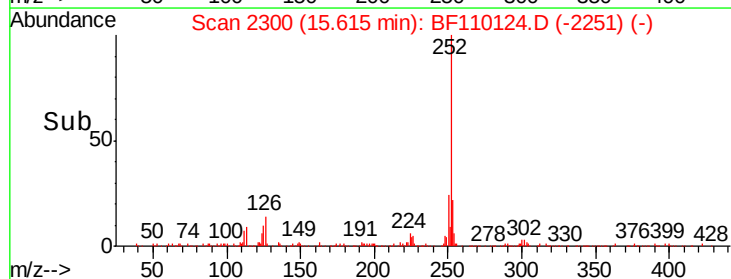
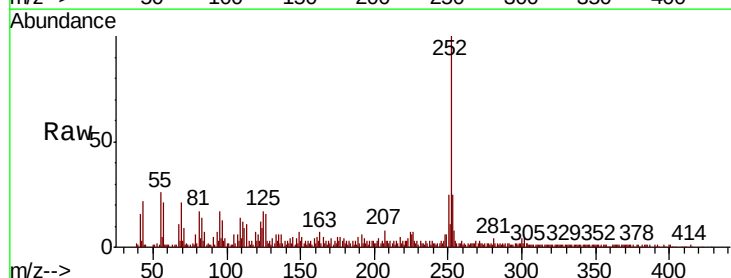
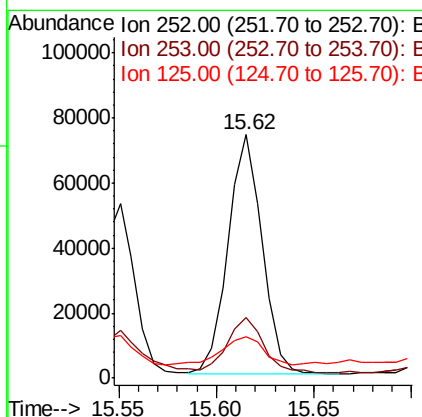
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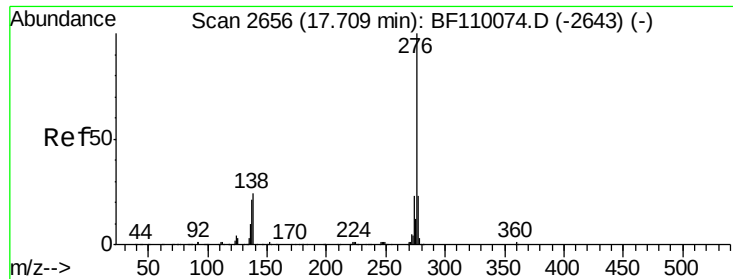
Sohil
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#90
Benzo(a)pyrene
Concen: 9.311 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110124.D
Acq: 24 Oct 2018 19:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	16.9	9.0	13.6#





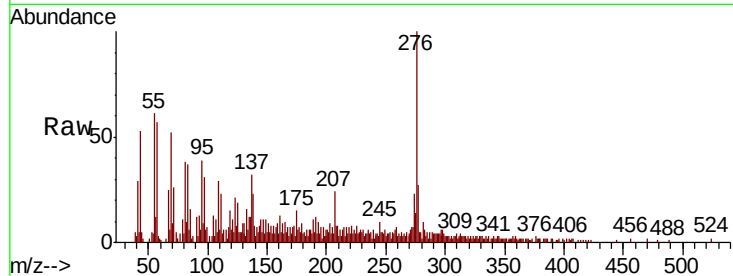
#92
 Benzo(a,h,i)perylene
 Concen: 6.039 ng
 RT: 17.72 min Scan# 2658
 Delta R.T. -0.02 min
 Lab File: BF110124.D
 Acq: 24 Oct 2018 19:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-D

Tot Ion:	276	Resp:	49466
Ion Ratio	Lower	Upper	
276	100		
277	26.8	18.8	28.2
138	22.5	16.0	24.0

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

