

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096441.D
 Acq On : 3 Jul 2017 15:14
 Operator : SJ/MA
 Sample : I3930-08 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-0-2

Manual Integrations
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Quant Time: Jul 03 17:59:31 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	123184	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	475042	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	193632	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	270247	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	231078	20.00	ng	-0.01
86) Perylene-d12	15.29	264	162760	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	341040	40.86	ng	-0.02
7) Phenol-d6	6.36	99	358968	34.99	ng	-0.02
23) Nitrobenzene-d5	7.28	82	219391	27.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	54134	35.79	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	397283	35.08	ng	-0.02
78) Terphenyl-d14	12.82	244	243335	22.50	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.03	128	82526	3.680	ng	99
37) 2-Methylnaphthalene	8.72	142	67984	4.762	ng	98
48) Acenaphthylene	9.62	152	65843	3.361	ng	97
49) Dimethylphthalate	9.47	163	61157	4.231	ng	# 95
54) Dibenzofuran	9.96	168	37104	2.327	ng	99
70) Phenanthrene	11.26	178	111434	7.628	ng	97
71) Anthracene	11.31	178	79709	5.354	ng	96
74) Fluoranthene	12.44	202	184271	12.865	ng	99
77) Pyrene	12.67	202	163831	8.833	ng	98
80) Benzo(a)anthracene	13.86	228	142442	10.645	ng	93
82) Chrysene	13.89	228	141025	10.064	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	60018	5.426	ng	97
87) Benzo(b)fluoranthene	14.88	252	184125m	18.054	ng	
88) Benzo(k)fluoranthene	14.90	252	62799m	6.884	ng	
89) Benzo(a)pyrene	15.22	252	86904m	9.544	ng	
90) Dibenzo(a,h)anthracene	16.66	278	16940	2.365	ng	# 44
91) Benzo(g,h,i)perylene	17.06	276	54783	7.381	ng	91

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

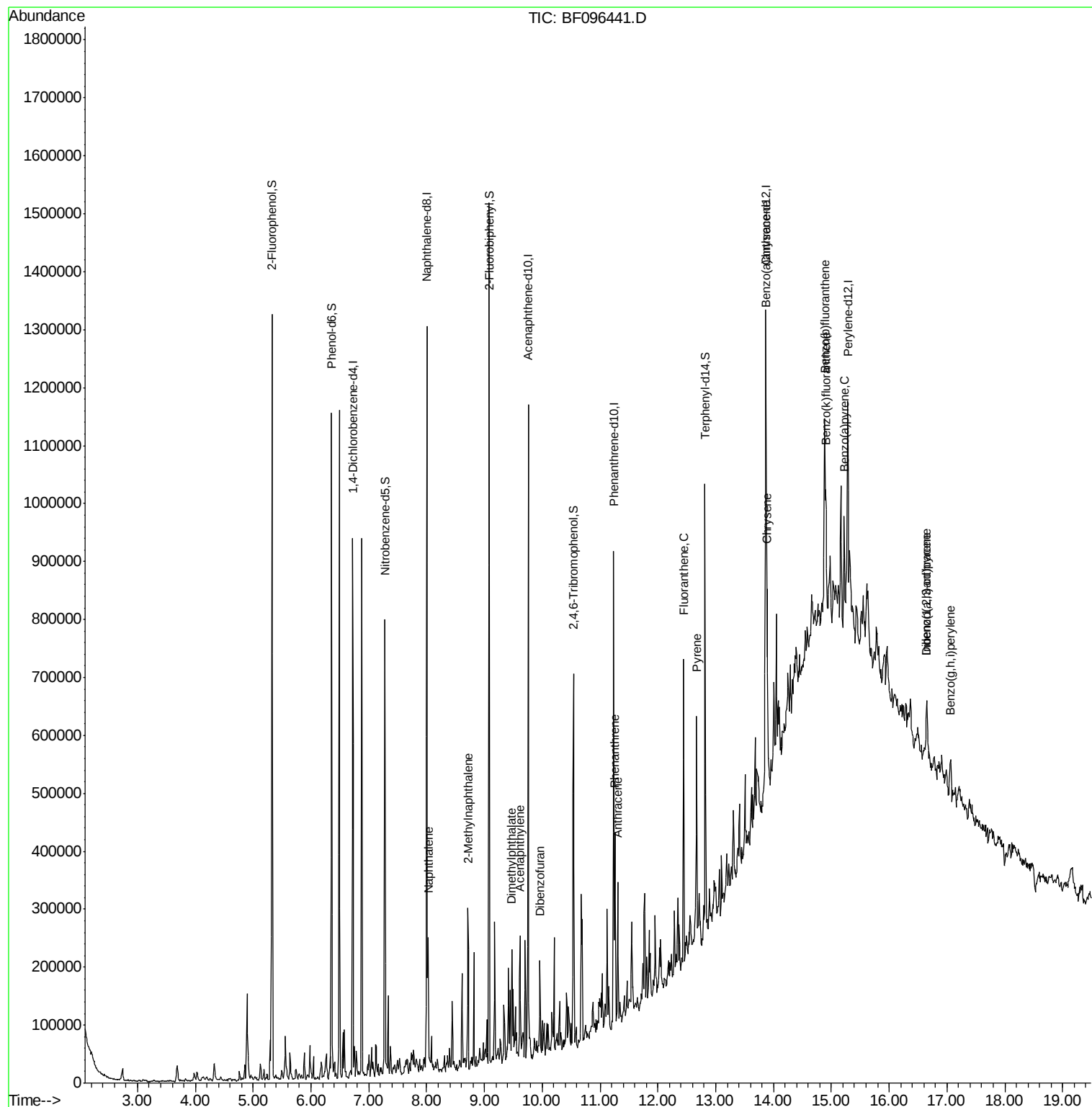
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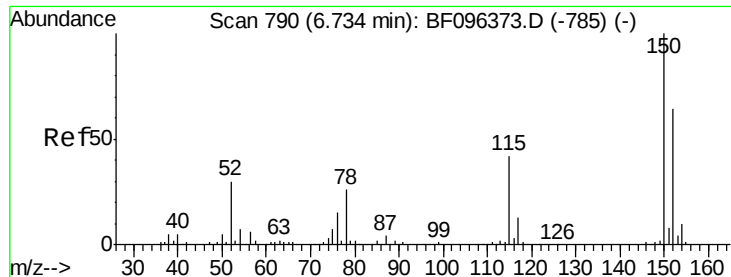
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

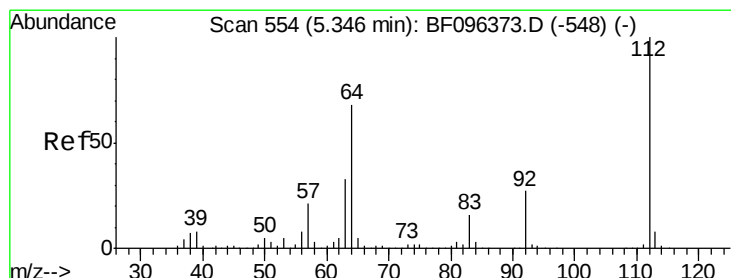
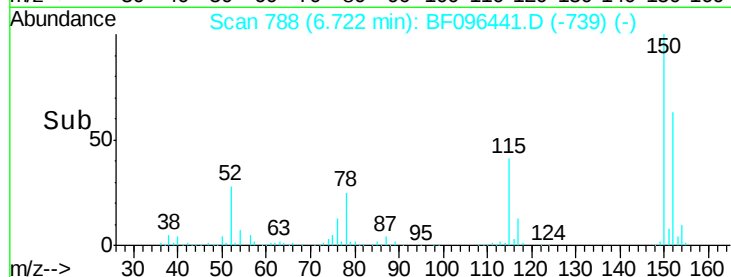
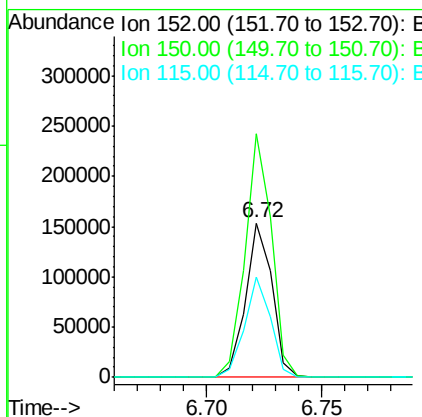
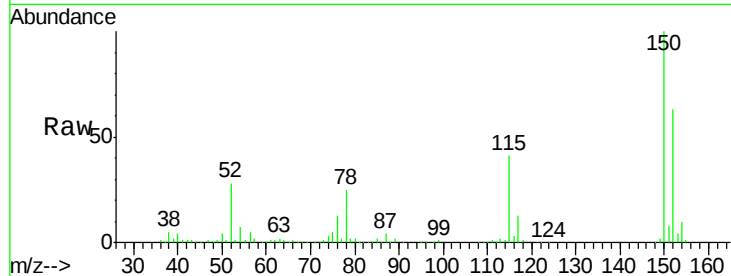
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tgt	Ion	Resp	Lower	Upper
152	100			
150	157.8	123184	126.2	189.2
115	65.4		52.2	78.2

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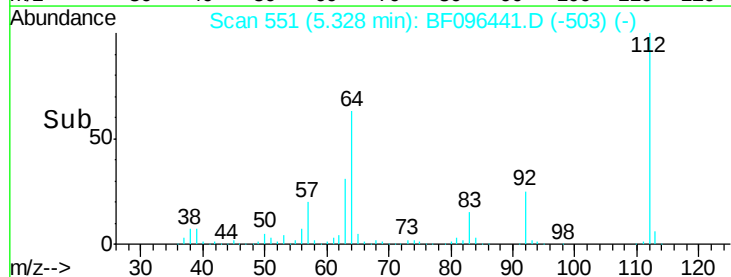
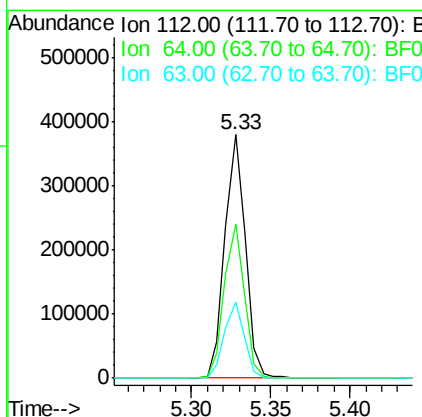
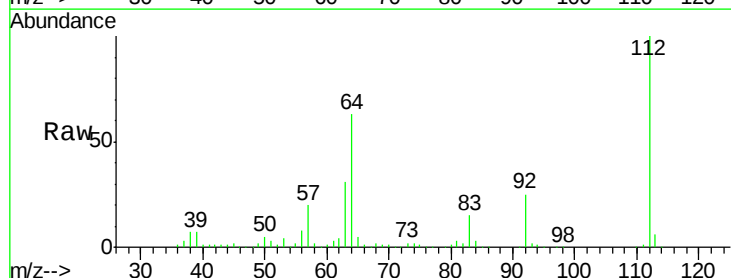
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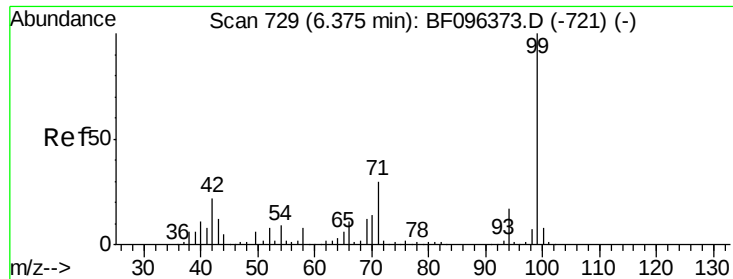


#5

2-Fluorophenol
Concen: 40.863 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt	Ion	Resp	Lower	Upper
112	100	341040		
64	63.2		46.0	69.0
63	31.3		23.4	35.0





#7

Phenol-d6

Concen: 34.986 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Instrument :

BNA_F

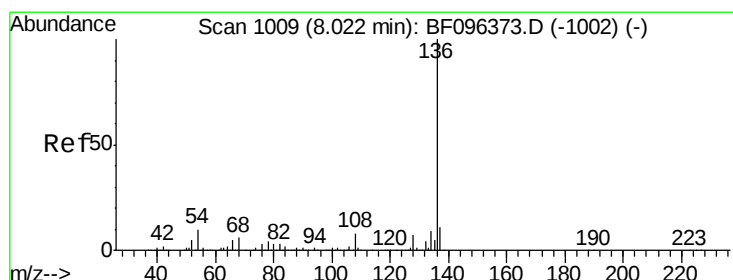
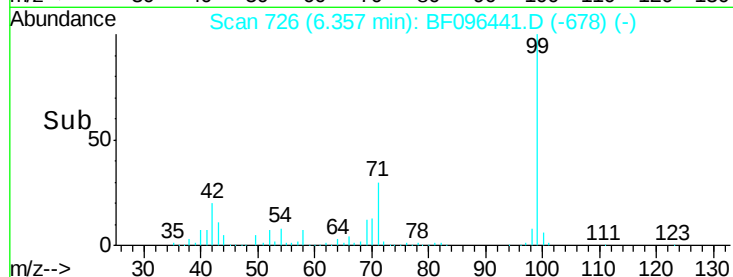
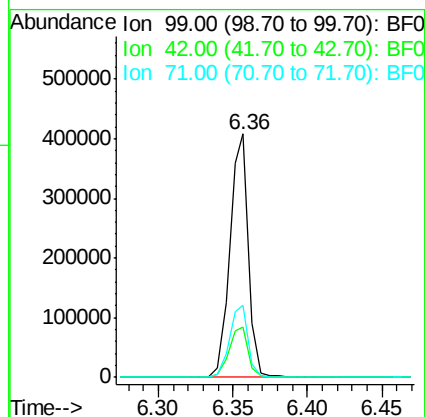
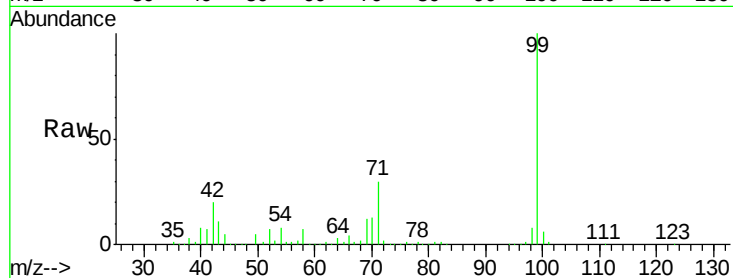
ClientSampleId :

B3-0-2

Tgt Ion:	99	Resp:	358968
Ion Ratio	Lower	Upper	
99	100		
42	20.5	13.5	20.3#
71	29.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

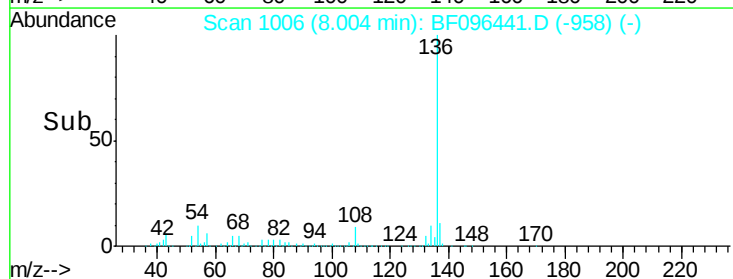
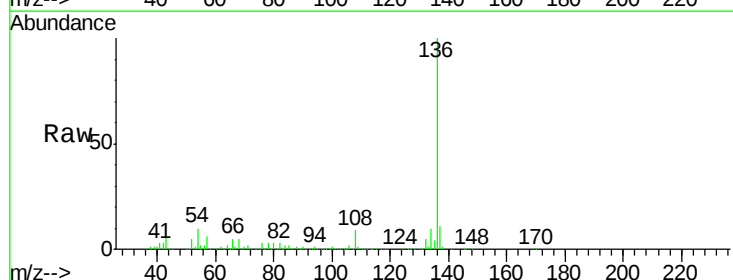
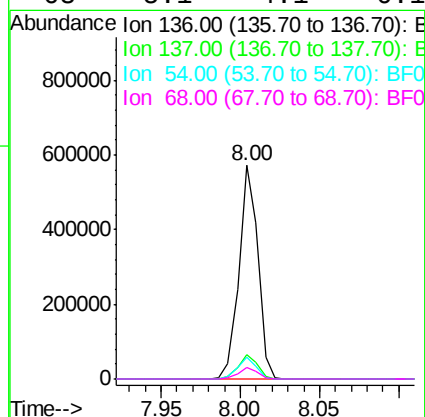
RT: 8.00 min Scan# 1006

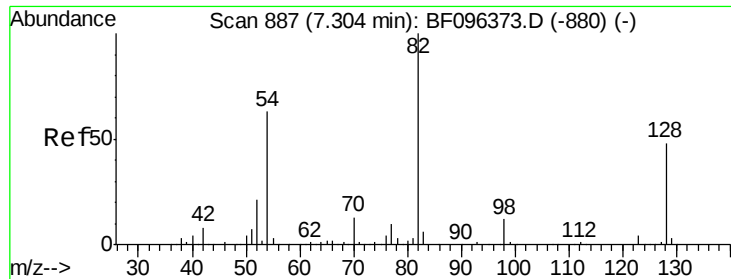
Delta R.T. -0.02 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Tgt Ion:	136	Resp:	475042
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	10.5	4.9	7.3#
68	5.1	4.1	6.1





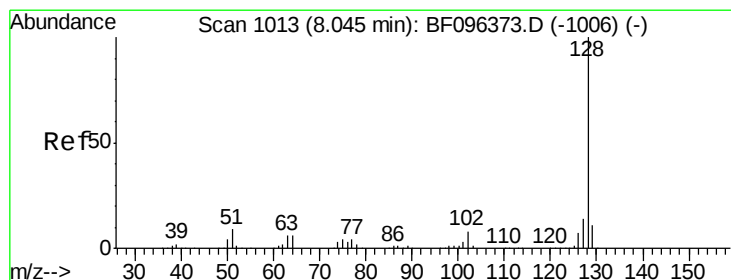
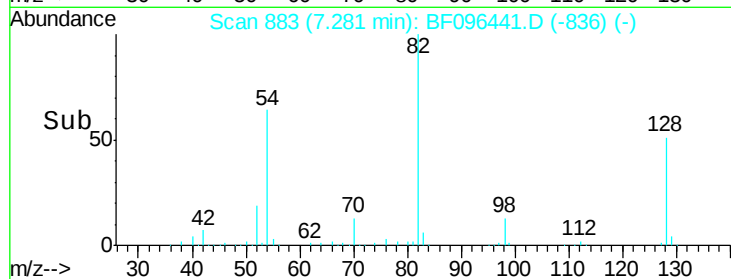
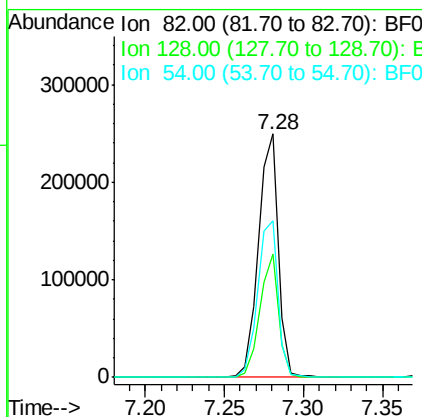
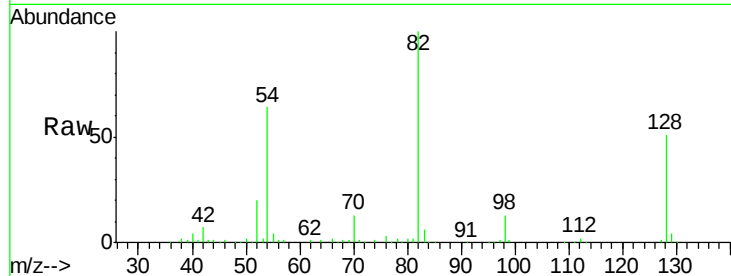
#23
 Nitrobenzene-d5
 Concen: 27.752 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 B3-0-2

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	219391		
128	50.6	34.0	51.0	
54	64.3	42.2	63.2	

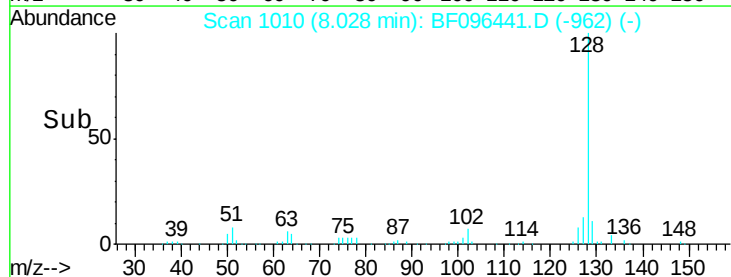
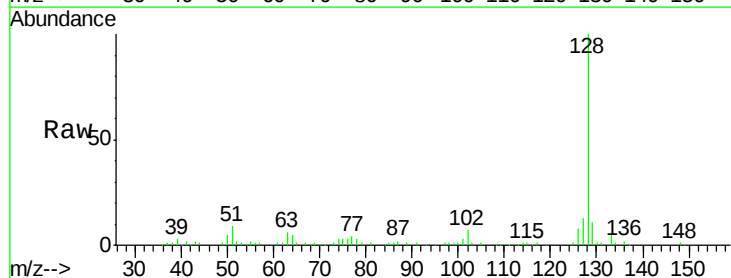
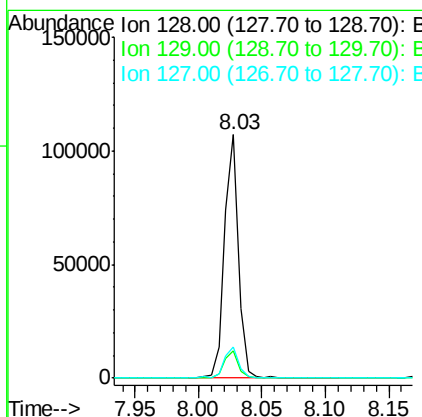
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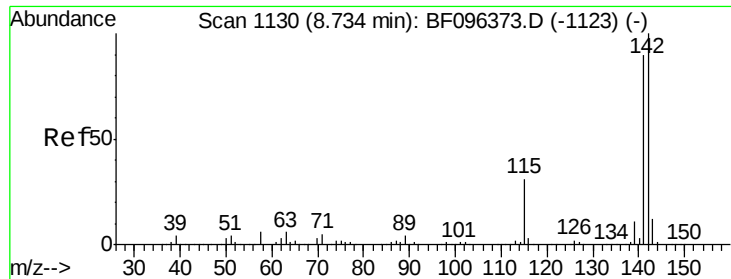
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#31
 Naphthalene
 Concen: 3.680 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	82526		
129	11.0	9.0	13.6	
127	12.8	10.8	16.2	





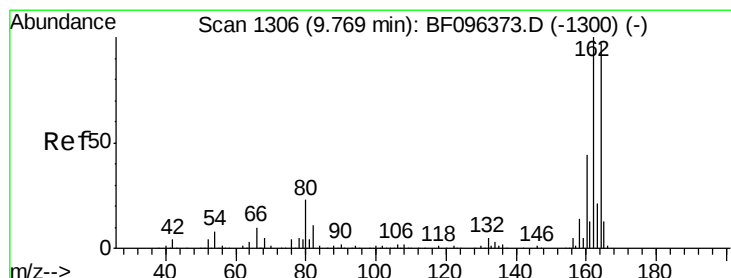
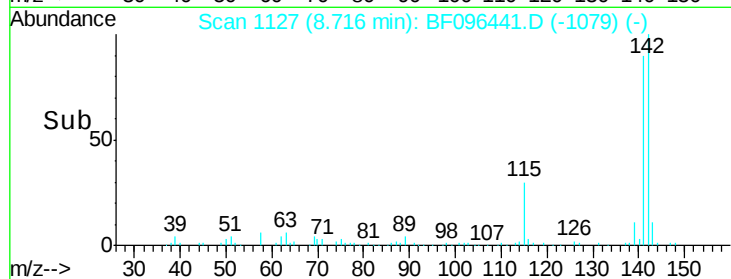
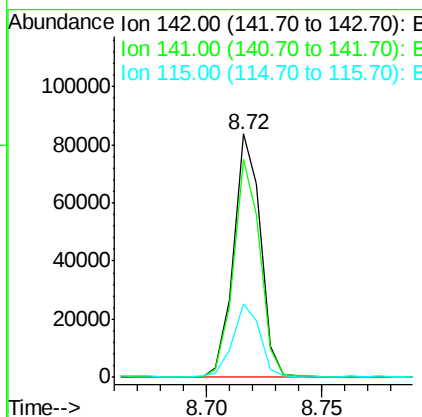
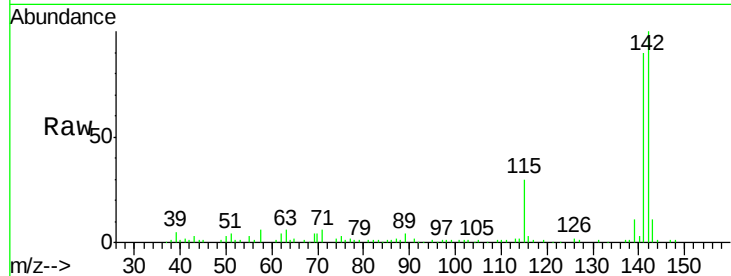
#37
2-Methylnaphthalene
Concen: 4.762 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	30.1	27.1	40.7

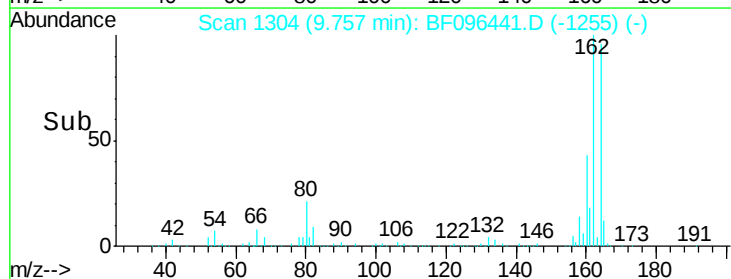
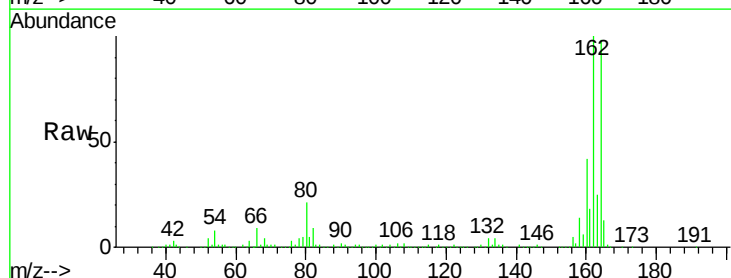
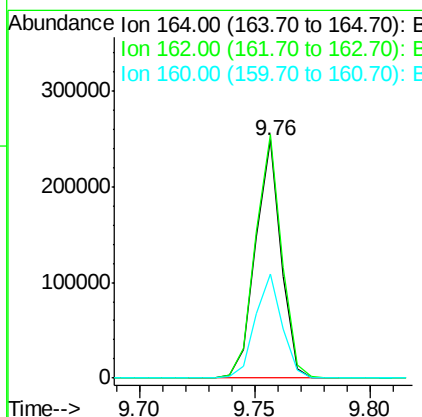
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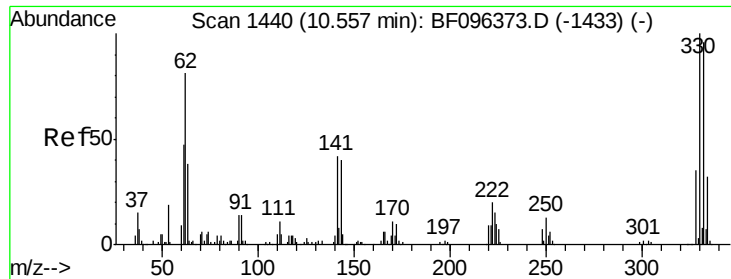
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	43.4	36.2	54.2





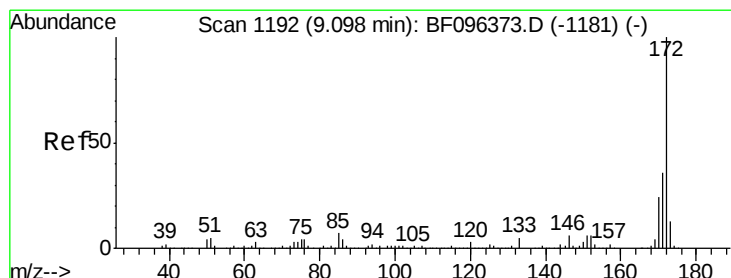
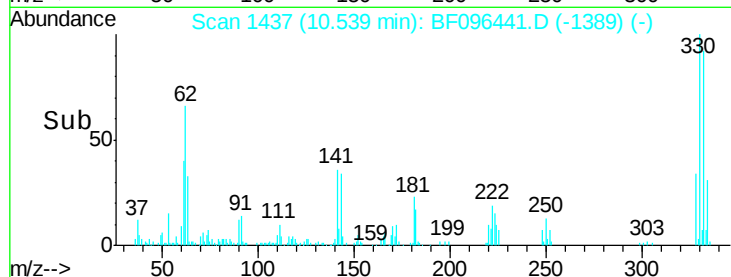
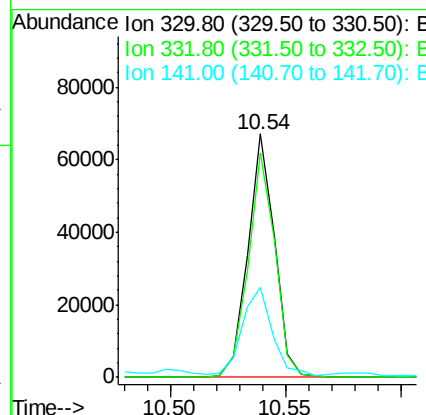
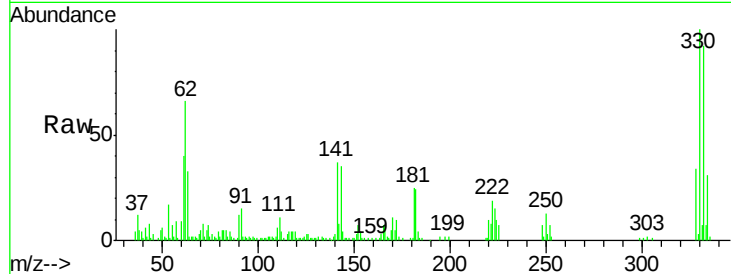
#41
 2,4,6-Tribromophenol
 Concen: 35.791 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampled :
 B3-0-2

Tgt Ion: 330 Resp: 54134
 Ion Ratio Lower Upper
 330 100
 332 93.0 76.6 115.0
 141 42.0 31.4 47.2

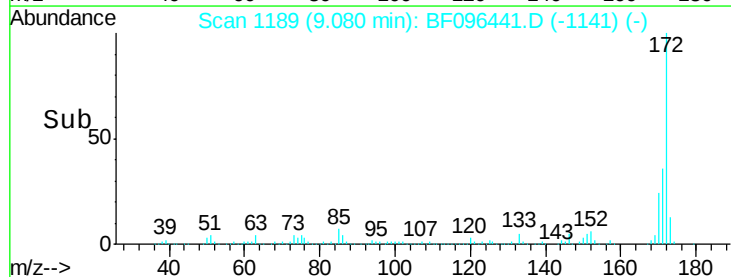
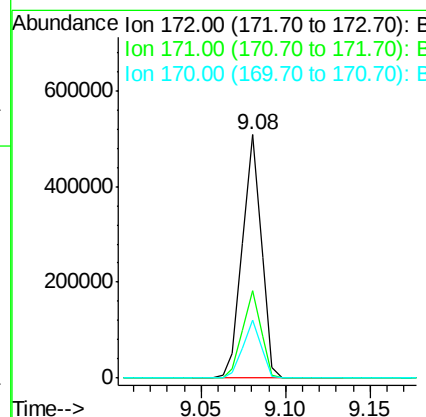
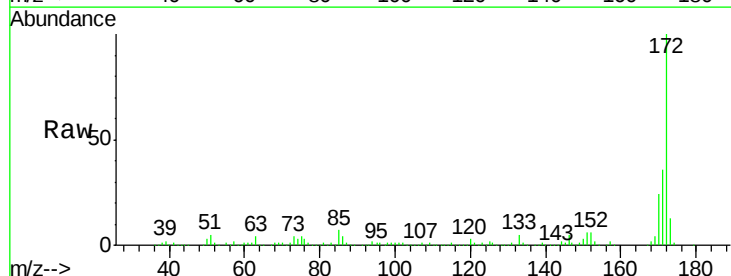
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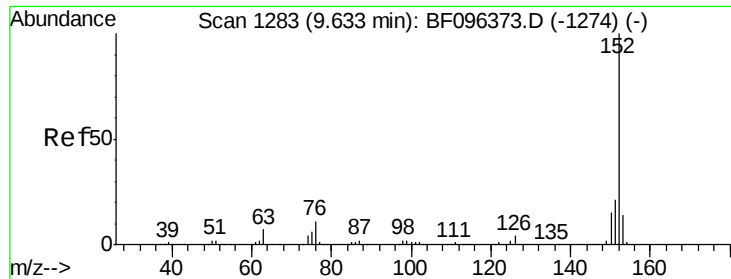
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#44
 2-Fluorobiphenyl
 Concen: 35.080 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Tgt Ion: 172 Resp: 397283
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.8 19.8 29.8





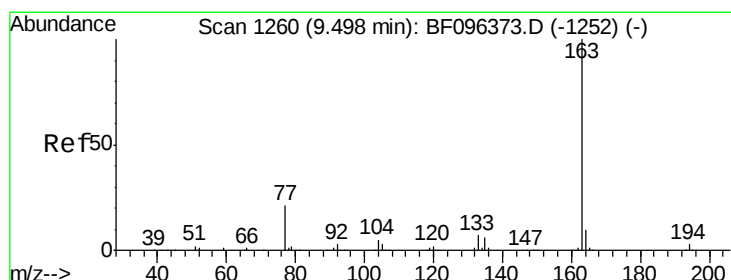
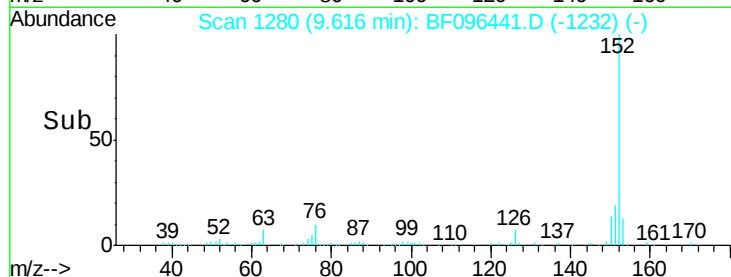
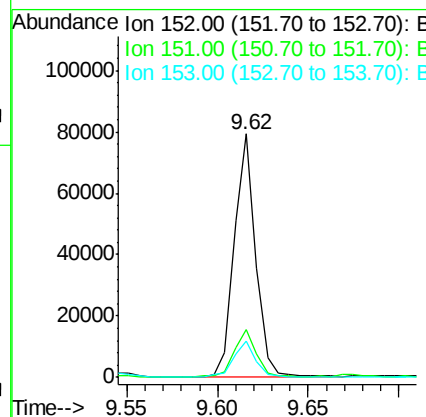
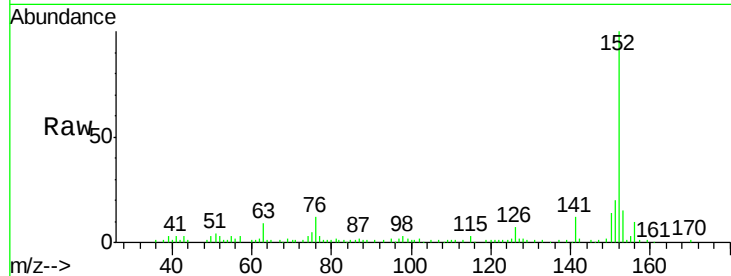
#48
Acenaphthylene
Concen: 3.361 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	65843		
151	19.7		16.8	25.2
153	14.9		10.8	16.2

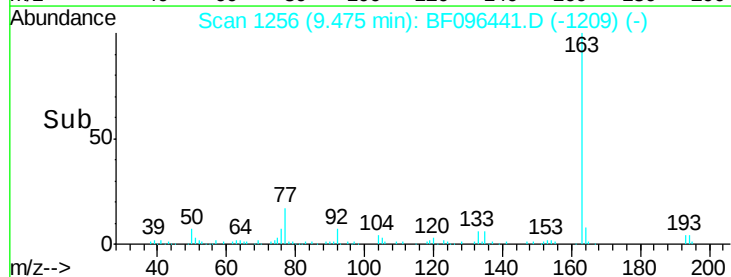
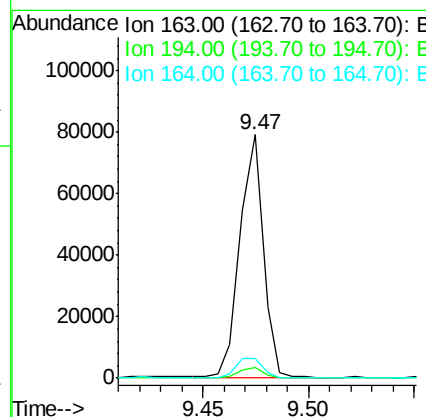
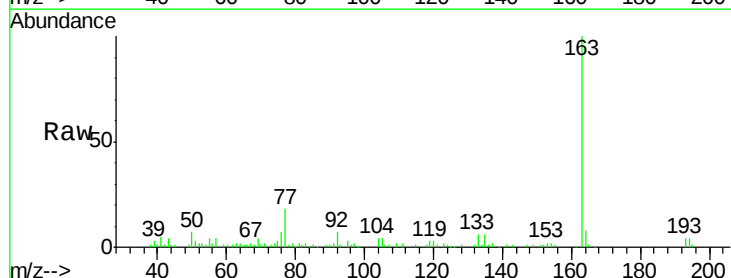
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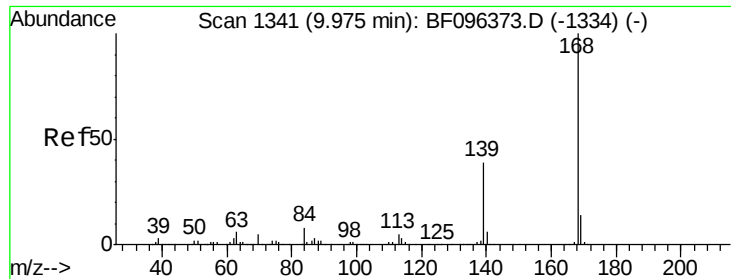
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#49
Dimethylphthalate
Concen: 4.231 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	61157		
194	4.3		2.6	4.0#
164	8.2		8.4	12.6#





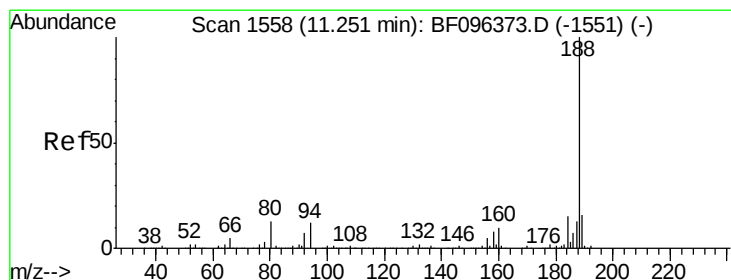
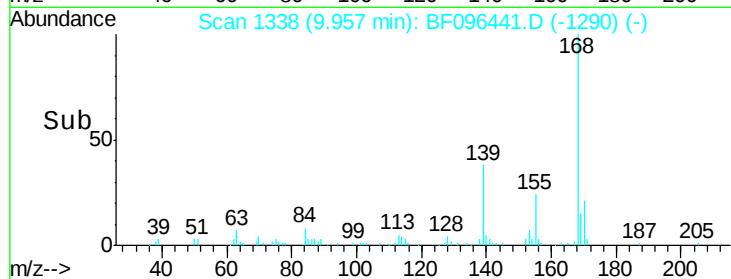
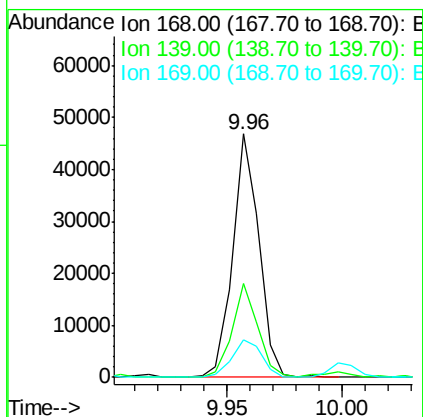
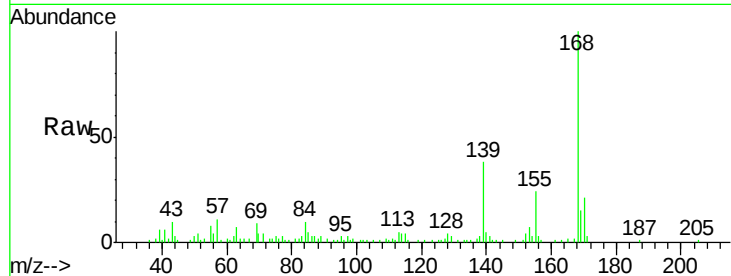
#54
Dibenzofuran
Concen: 2.327 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.6	45.8
169	15.5	10.8	16.2

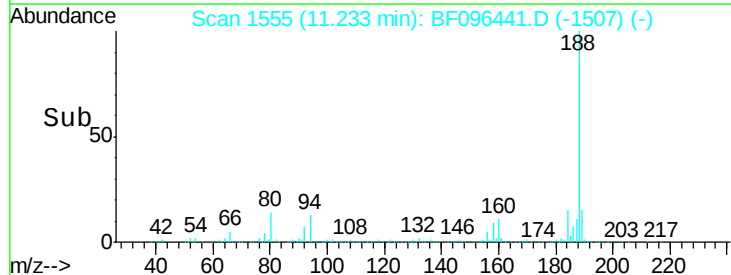
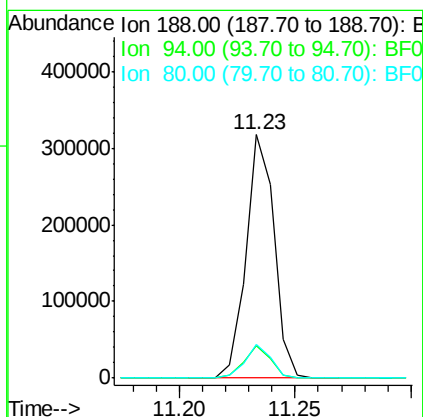
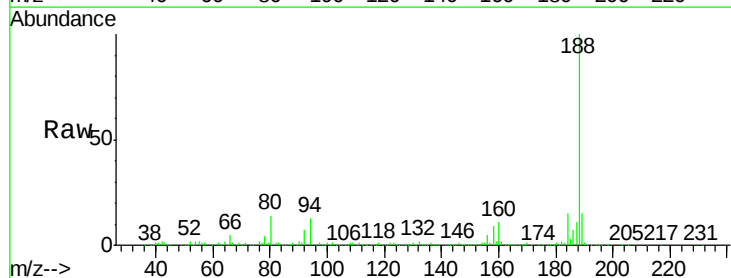
Manual Integrations
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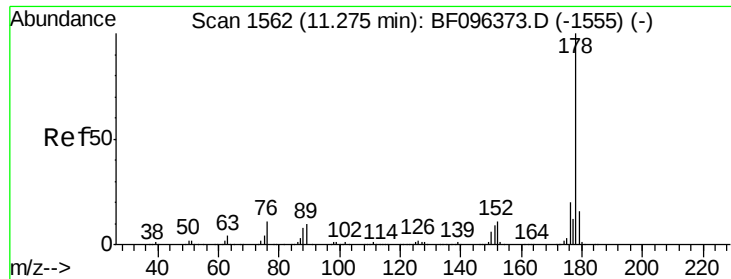
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.1	9.4	14.2
80	13.8	10.2	15.2





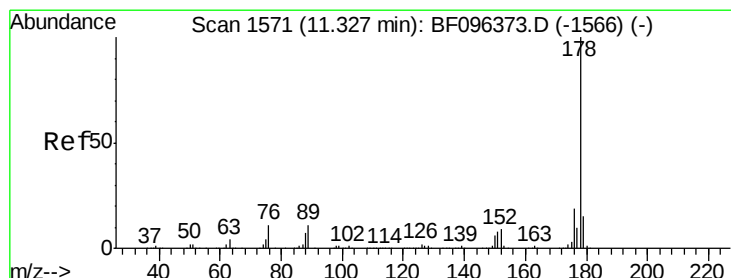
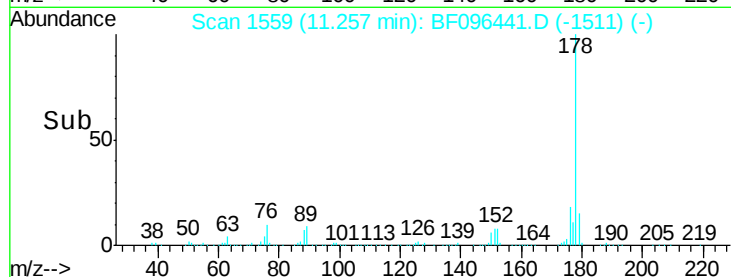
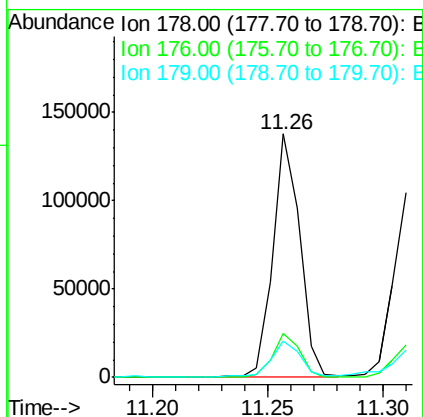
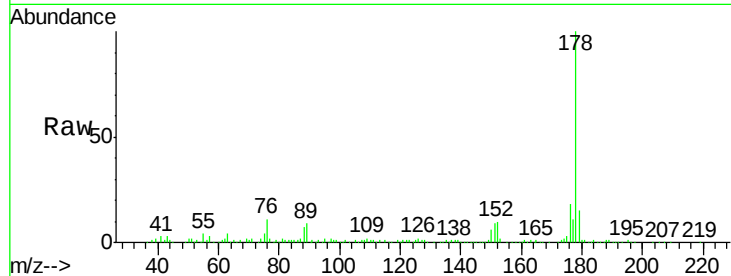
#70
Phenanthrene
Concen: 7.628 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampled :
B3-0-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	14.9	12.6	19.0

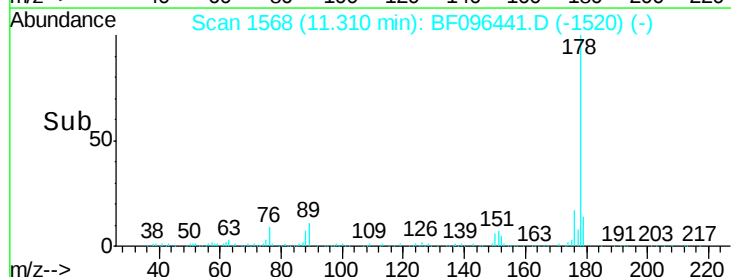
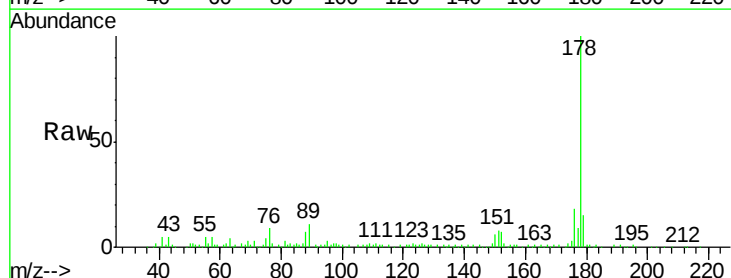
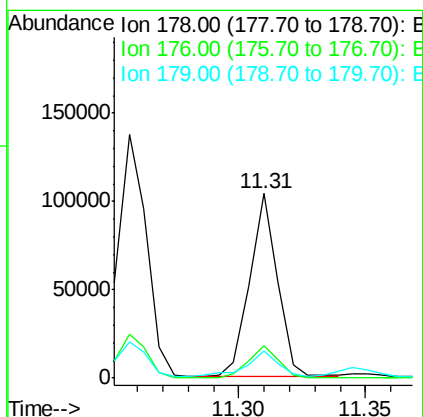
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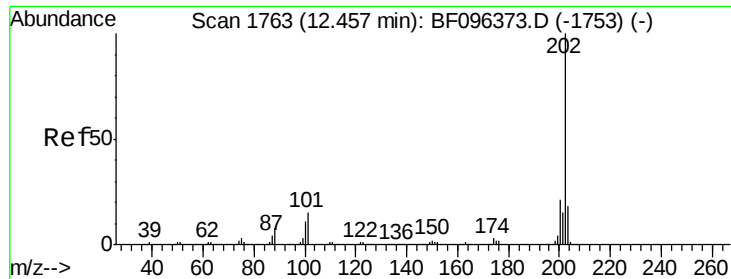
mohammad
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#71
Anthracene
Concen: 5.354 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	14.6	12.7	19.1





#74

Fluoranthene

Concen: 12.865 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Instrument :

BNA_F

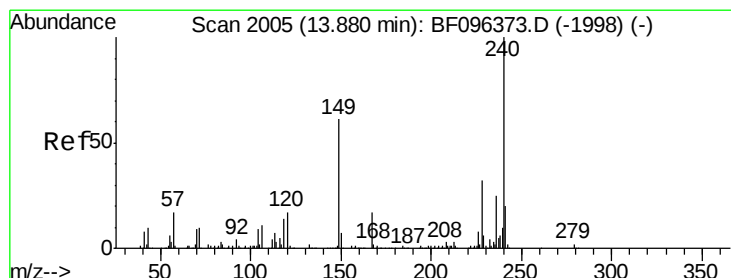
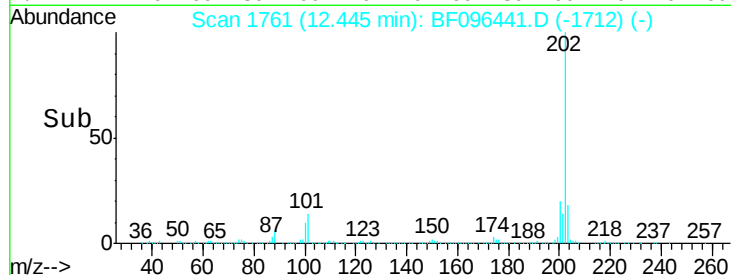
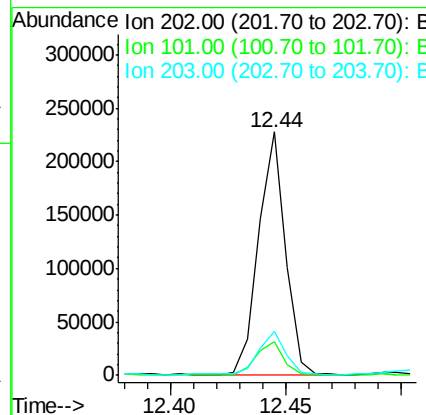
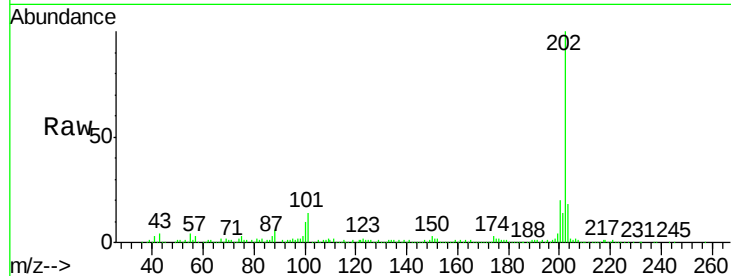
ClientSampleId :

B3-0-2

Tgt Ion:	202	Resp:	184271
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

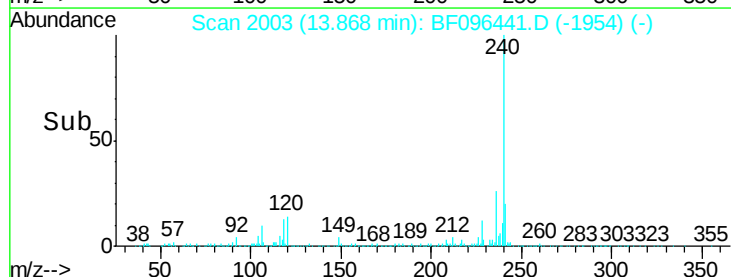
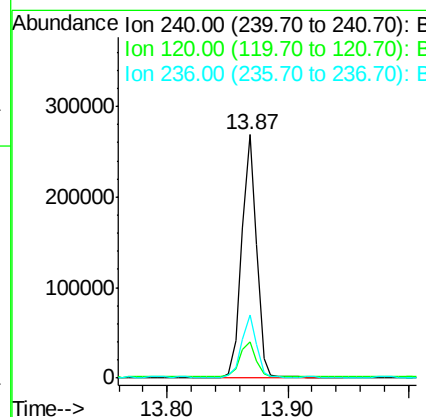
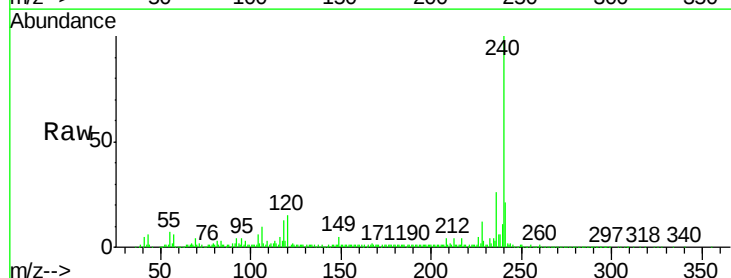
RT: 13.87 min Scan# 2003

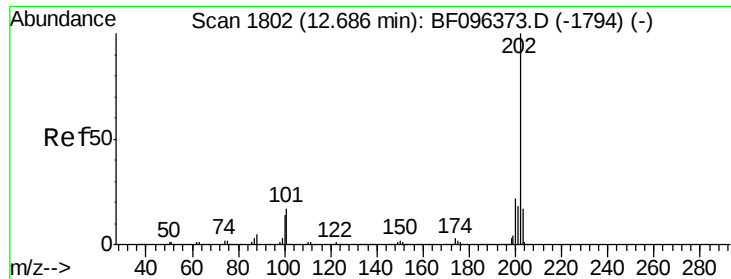
Delta R.T. -0.01 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Tgt Ion:	240	Resp:	231078
Ion Ratio	Lower	Upper	
240	100		
120	14.7	5.8	8.8#
236	25.9	20.5	30.7





#77

Pyrene

Concen: 8.833 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Instrument :

BNA_F

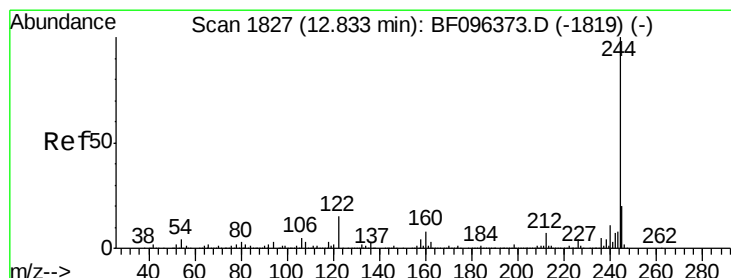
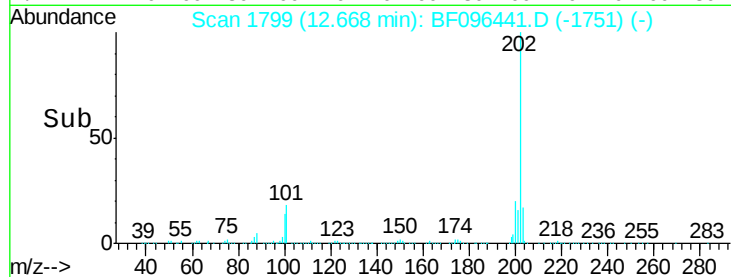
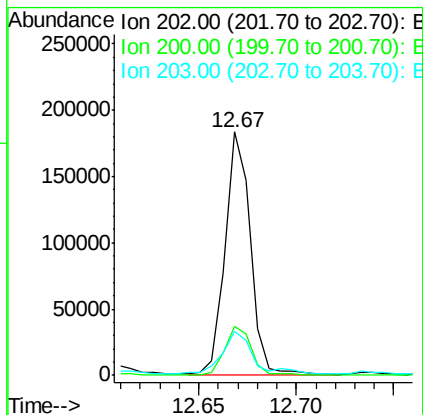
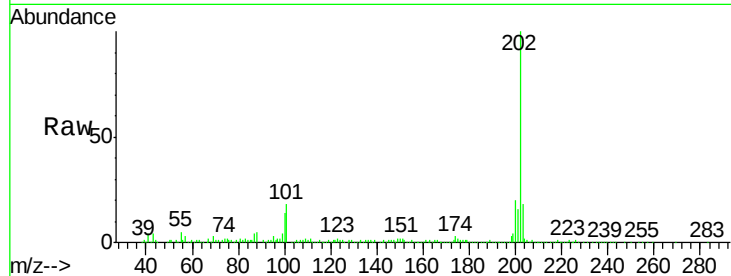
ClientSampled :

B3-0-2

Tgt	Ion	Resp	Lower	Upper
202	100			
200	20.3	17.6	26.4	
203	18.2	14.4	21.6	

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#78

Terphenyl-d14

Concen: 22.502 ng

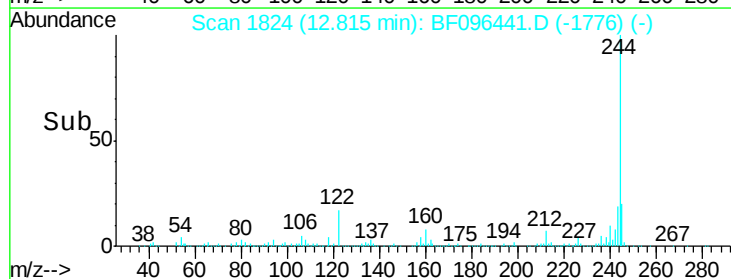
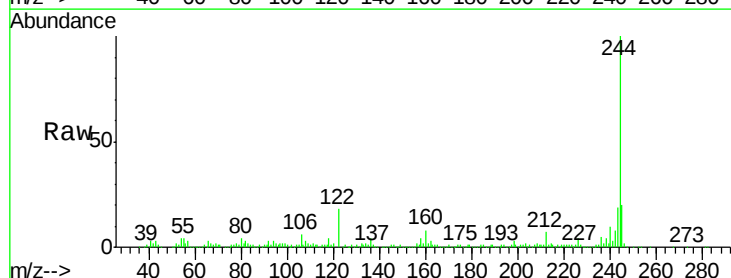
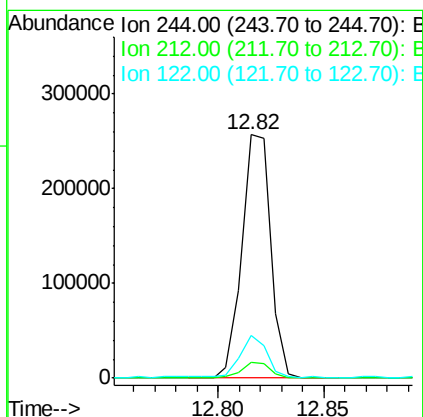
RT: 12.82 min Scan# 1824

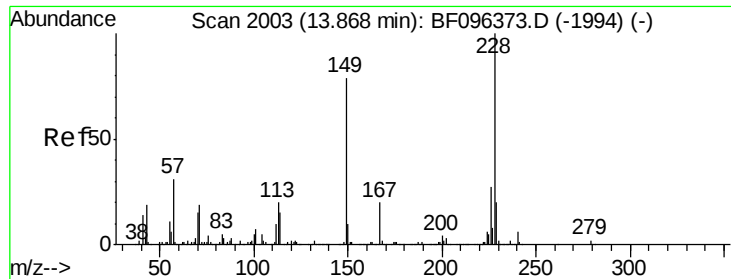
Delta R.T. -0.02 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Tgt	Ion	Resp	Lower	Upper
244	100			
212	6.6	6.0	9.0	
122	17.6	10.3	15.5#	





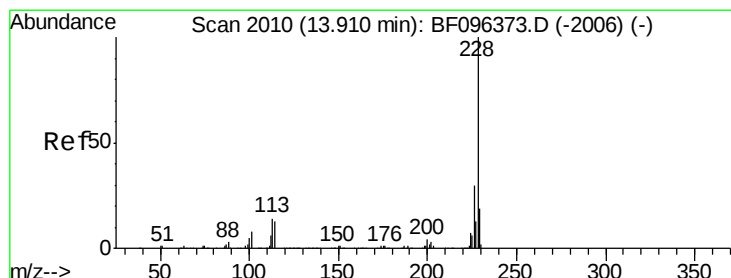
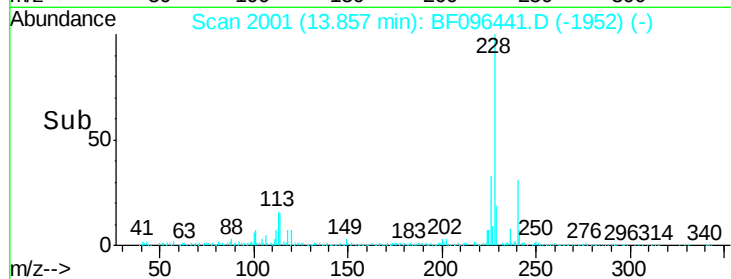
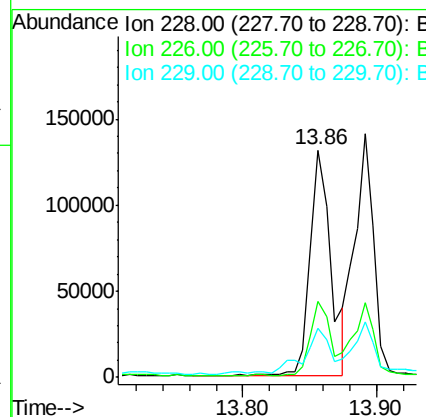
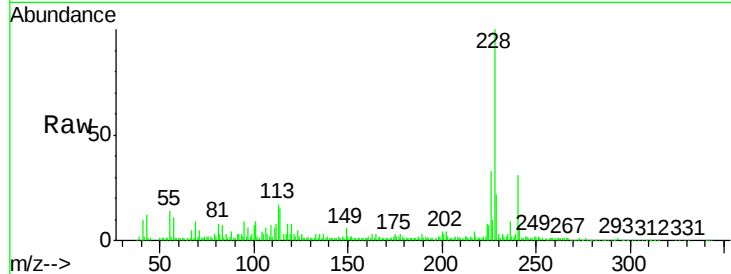
#80
Benzo(a)anthracene
Concen: 10.645 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	21.6	16.3	24.5

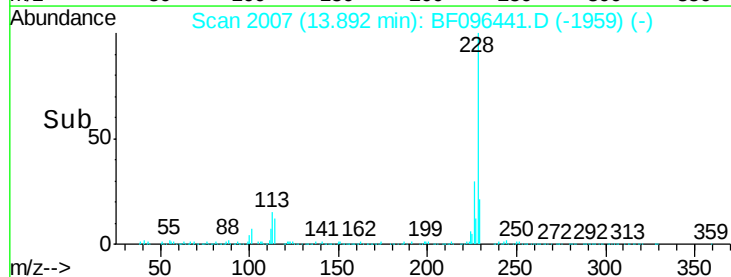
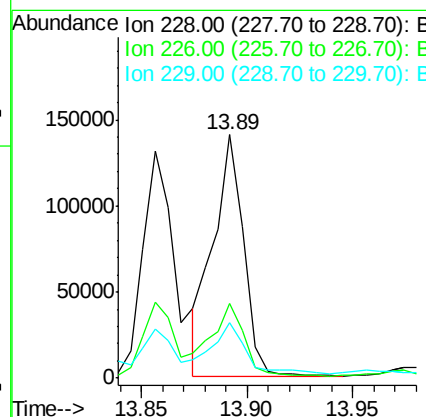
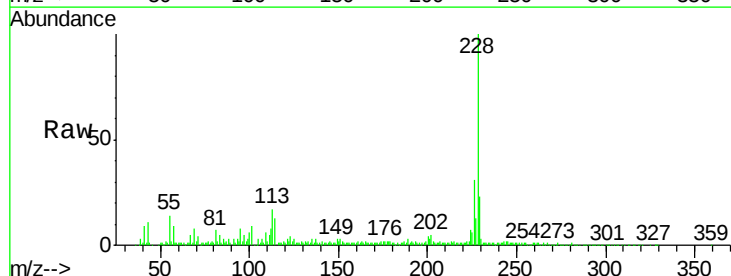
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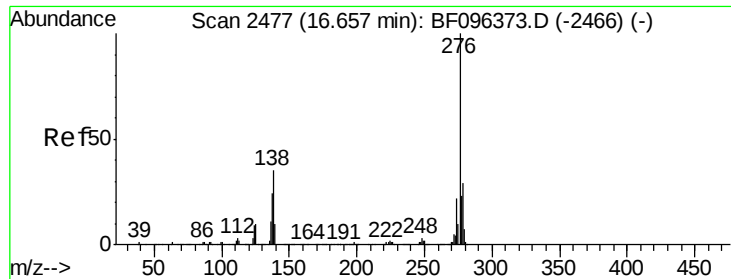
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#82
Chrysene
Concen: 10.064 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	22.8	15.8	23.6





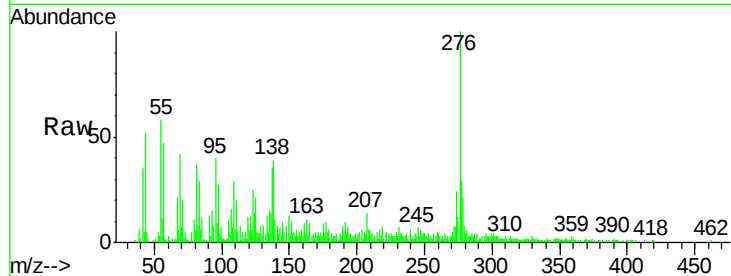
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.426 ng
 RT: 16.65 min Scan# 2476
 Delta R.T. -0.01 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 B3-0-2

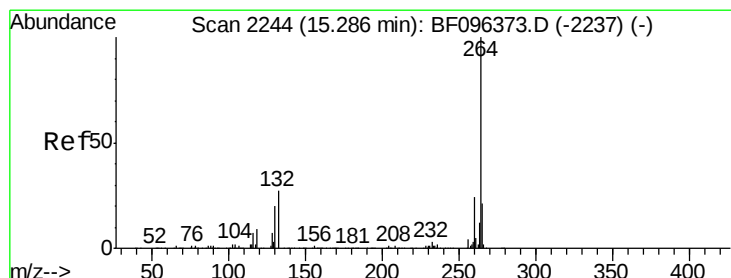
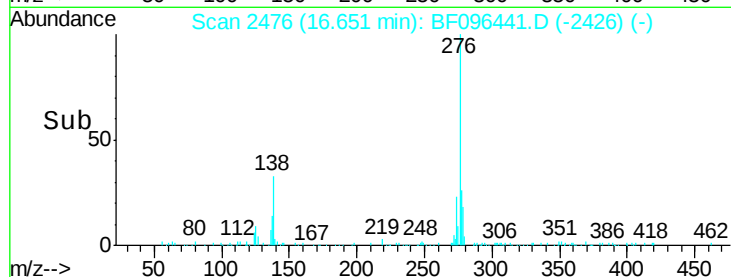
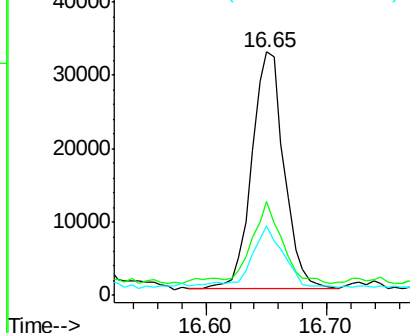
Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	26.2	20.2	30.4

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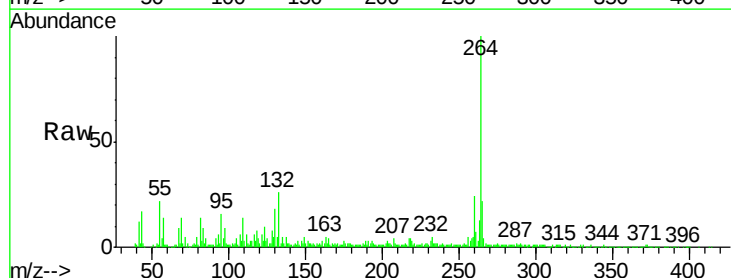


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

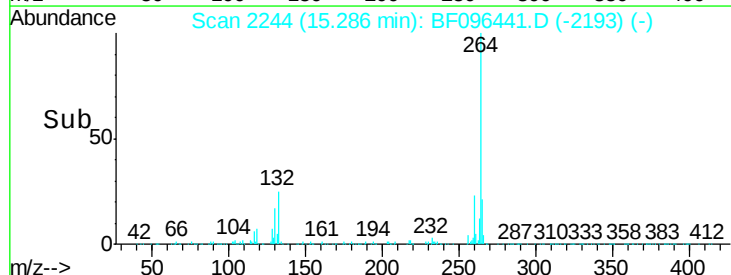
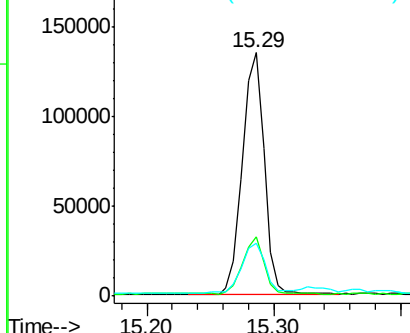


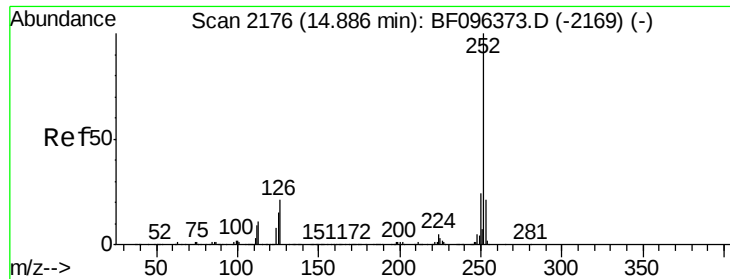
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.9	17.2	25.8



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





#87

Benzo(b)fluoranthene

Concen: 18.054 ng m

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Instrument :

BNA_F

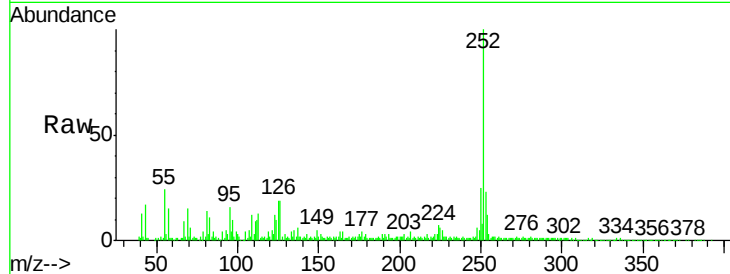
ClientSampleId :

B3-0-2

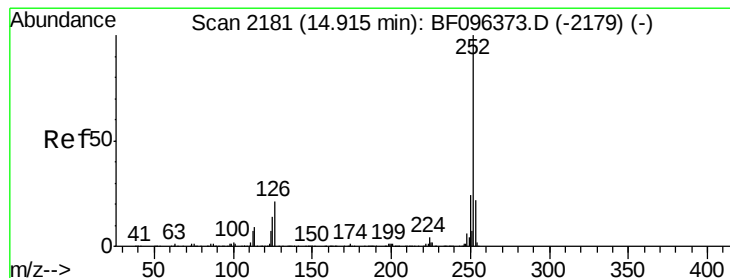
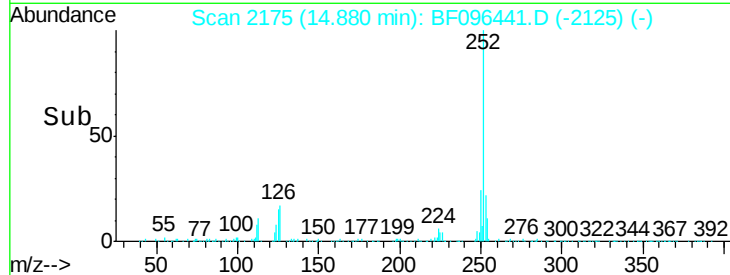
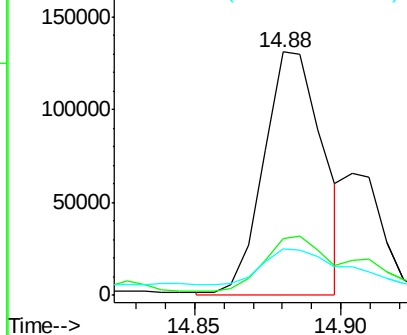
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	184125		
253	23.5	18.1	27.1	
125	19.3	9.8	14.8#	

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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



#88

Benzo(k)fluoranthene

Concen: 6.884 ng m

RT: 14.90 min Scan# 2179

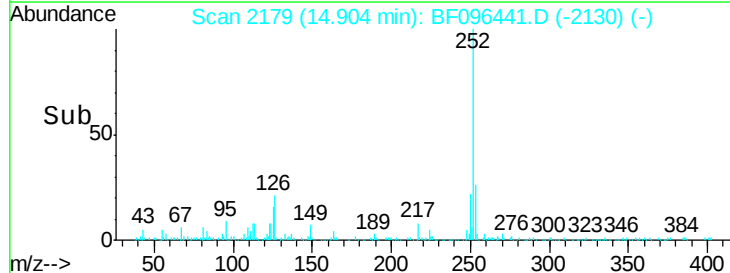
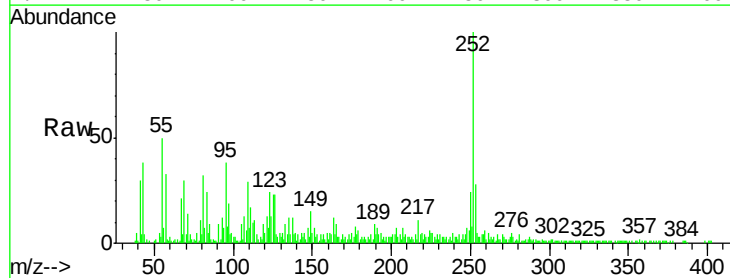
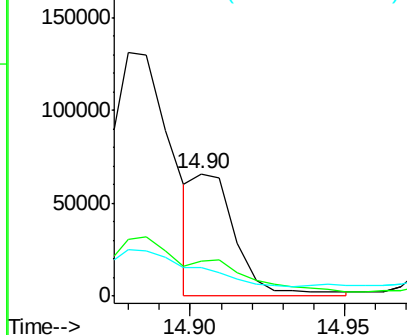
Delta R.T. -0.01 min

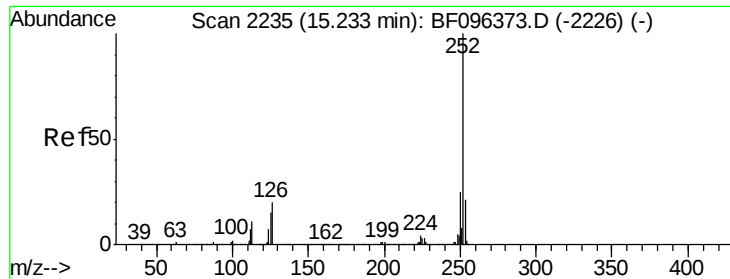
Lab File: BF096441.D

Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	62799		
253	28.3	18.4	27.6#	
125	23.4	13.1	19.7#	

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





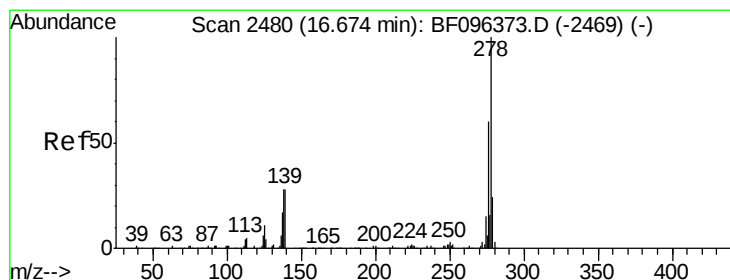
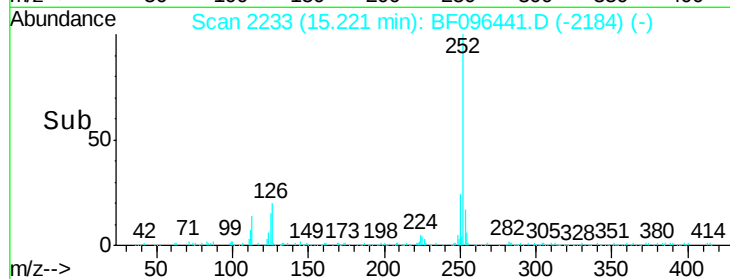
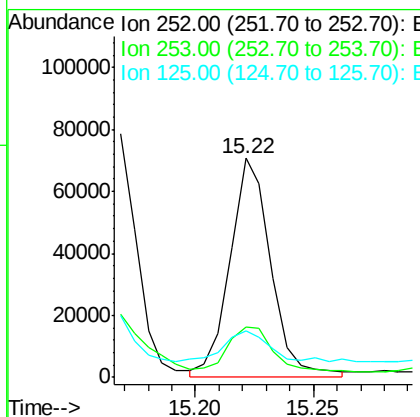
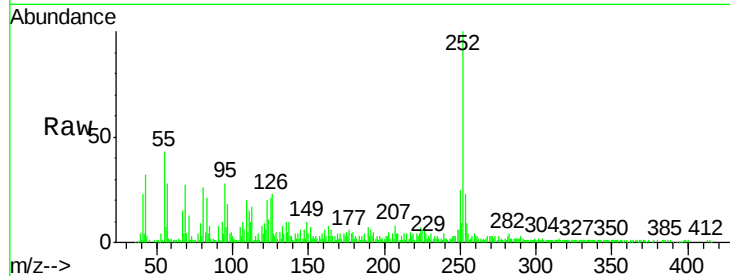
#89
Benzo(a)pyrene
Concen: 9.544 ng m
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Instrument :
BNA_F
ClientSampled :
B3-0-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	21.5	11.0	16.4

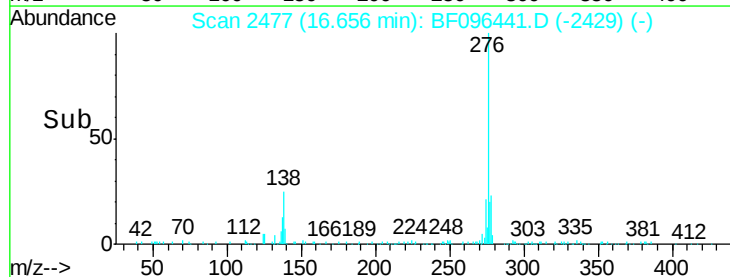
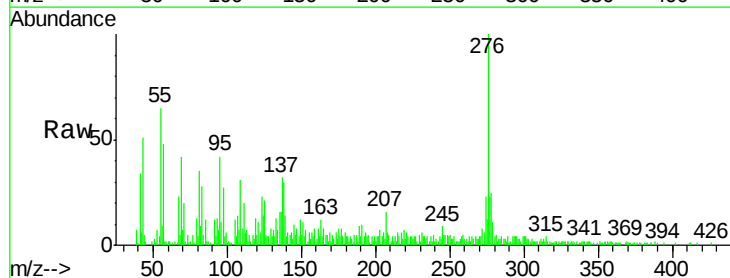
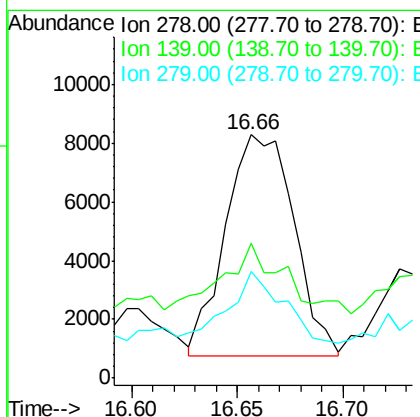
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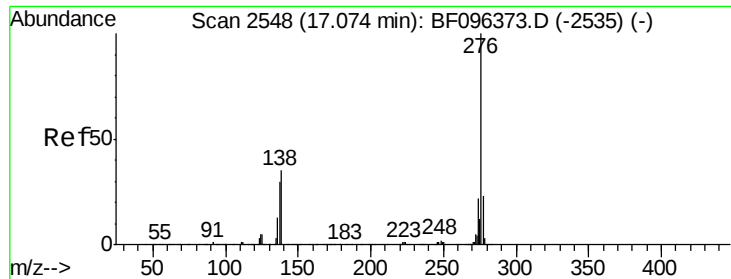
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#90
Dibenzo(a,h)anthracene
Concen: 2.365 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.02 min
Lab File: BF096441.D
Acq: 3 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	55.3	16.6	24.8
279	43.6	19.3	28.9





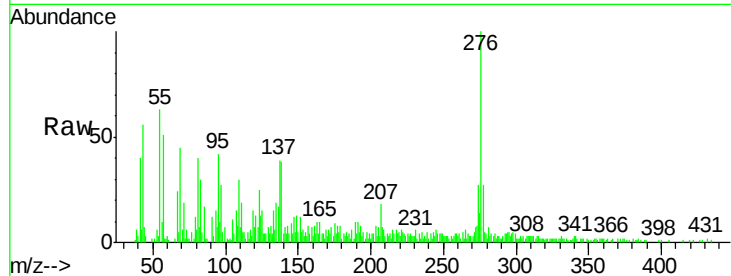
#91
 Benzo(g,h,i)perylene
 Concen: 7.381 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096441.D
 Acq: 3 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 B3-0-2

Tgt Ion:	276	Resp:	54783
Ion Ratio	Lower	Upper	
276	100		
277	26.6	18.6	28.0
138	37.6	25.4	38.0

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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

