

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
 Data File : BF113066.D
 Acq On : 15 Mar 2019 15:26
 Operator : JU/SJ
 Sample : K1921-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 282-346

Manual Integrations
 APPROVED

Sohil
 3/18/2019 2:59:30 PM

Quant Time: Mar 15 23:24:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	117739	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	439469	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	228402	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	489139	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	413026	20.00	ng	0.00
87) Perylene-d12	15.27	264	428851	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	936048	123.67	ng	0.00
7) Phenol-d6	6.37	99	1159020	121.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	695348	94.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	396538	163.54	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1279398	96.11	ng	0.00
79) Terphenyl-d14	12.82	244	1490315	69.95	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.03	128	115493	5.293	ng	97
49) Acenaphthylene	9.62	152	161204	6.528	ng	97
50) Dimethylphthalate	9.47	163	87376	5.188	ng	98
52) Acenaphthene	9.79	154	38761	2.684	ng	97
58) Fluorene	10.30	166	75428	5.063	ng	98
71) Phenanthrene	11.26	178	967484	39.754	ng	99
72) Anthracene	11.31	178	596219	23.404	ng	98
73) Carbazole	11.46	167	112675	4.534	ng	99
75) Fluoranthene	12.45	202	2119471	81.287	ng	98
78) Pyrene	12.67	202	1867785	53.643	ng	99
81) Benzo(a)anthracene	13.86	228	1146496m	40.051	ng	
83) Chrysene	13.89	228	973389	34.715	ng	98
86) Indeno(1,2,3-cd)pyrene	16.64	276	750208m	31.383	ng	
88) Benzo(b)fluoranthene	14.88	252	1325827m	47.796	ng	
89) Benzo(k)fluoranthene	14.90	252	491278m	19.552	ng	
90) Benzo(a)pyrene	15.22	252	1006646m	41.028	ng	
91) Dibenzo(a,h)anthracene	16.64	278	189667	9.059	ng	98
92) Benzo(g,h,i)perylene	17.04	276	705996	33.581	ng	95

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

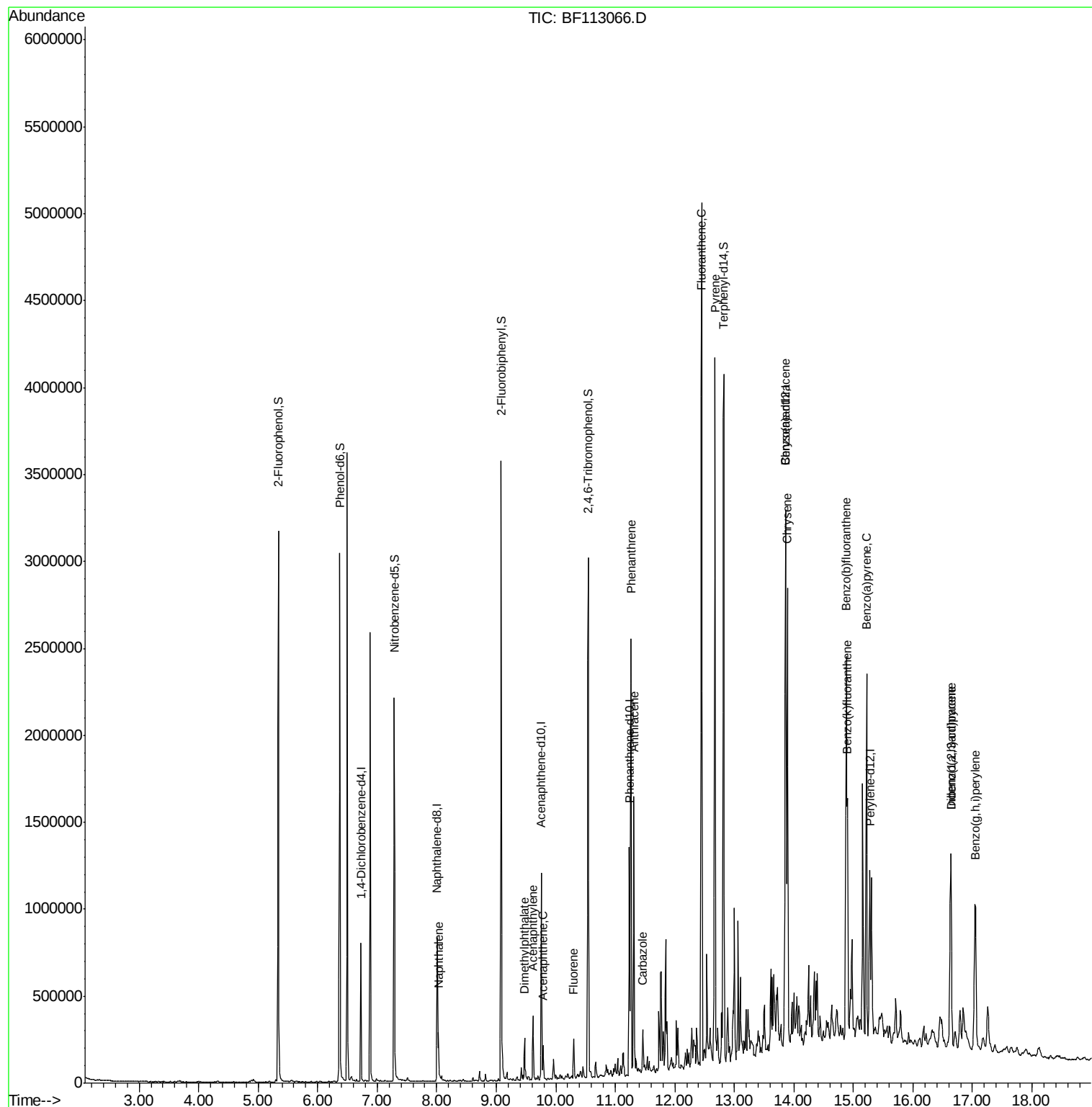
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113066.D
Acq On : 15 Mar 2019 15:26
Operator : JU/SJ
Sample : K1921-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

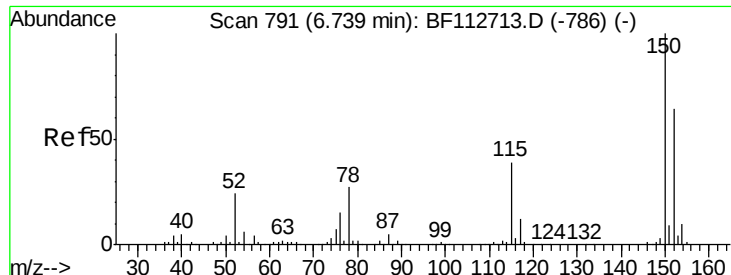
Instrument :
BNA_F
ClientSampleId :
282-346

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
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#1

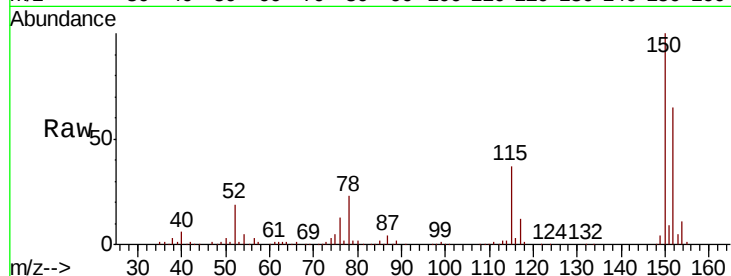
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.2	186.2
115	56.4	48.2	72.4

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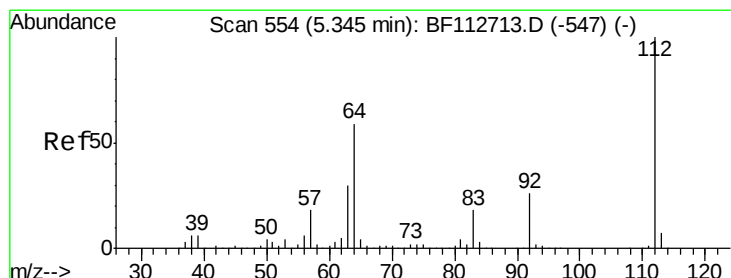
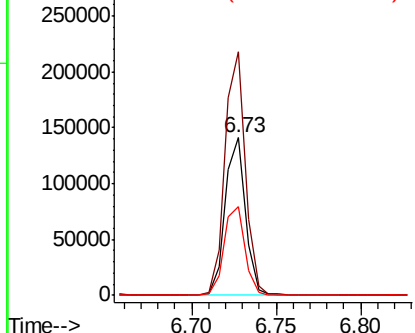
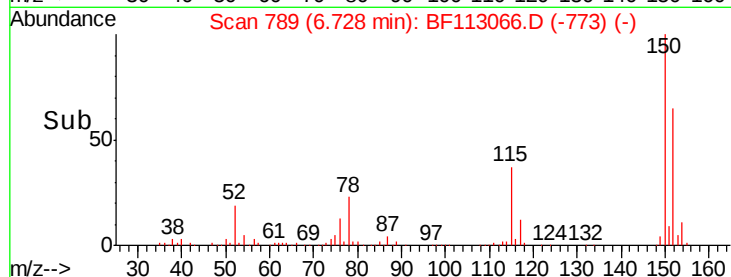


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

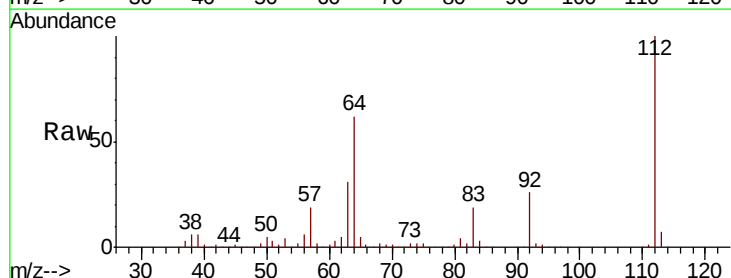
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.669 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.6	71.4
63	31.4	24.4	36.6

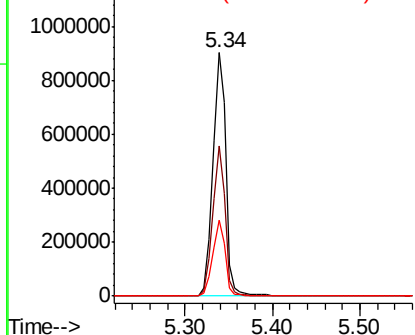
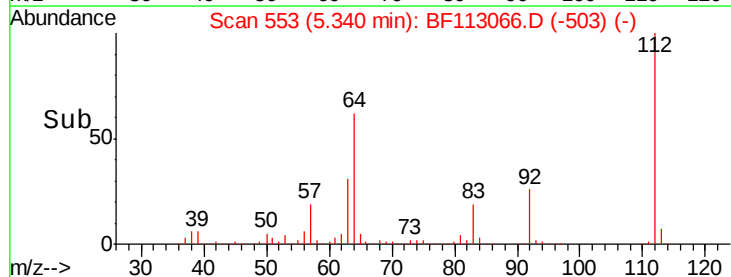


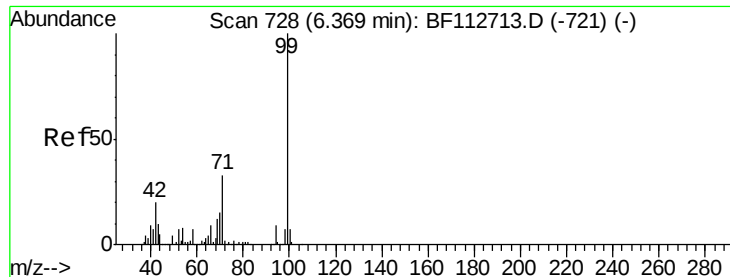
Abundance

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: 121.901 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113066.D

Acq: 15 Mar 2019 15:26

Instrument :

BNA_F

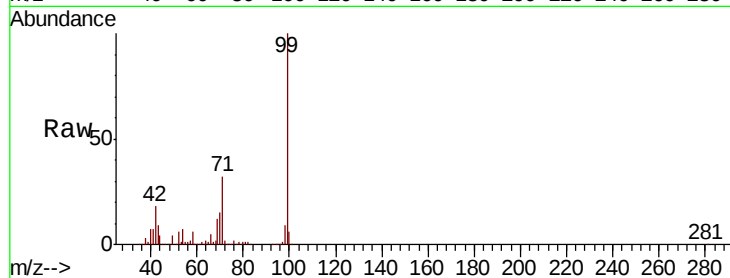
ClientSampled :

282-346

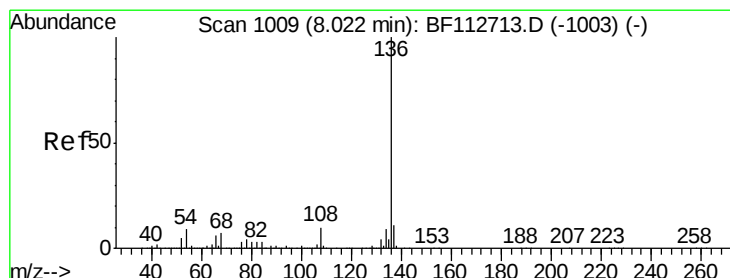
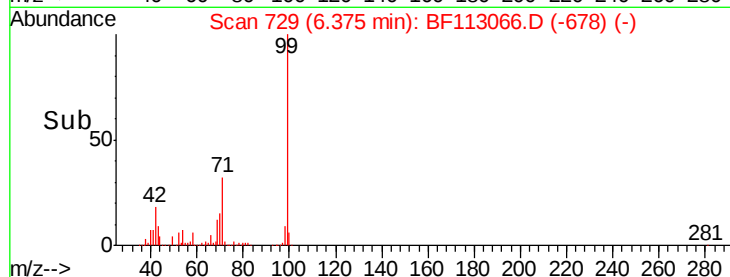
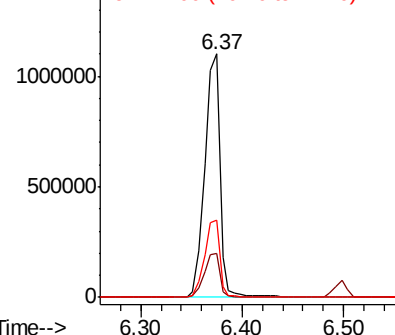
Tot Ion:	99	Resp:	1159020
Ion	Ratio	Lower	Upper
99	100		
42	18.0	16.3	24.5
71	31.7	26.2	39.4

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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

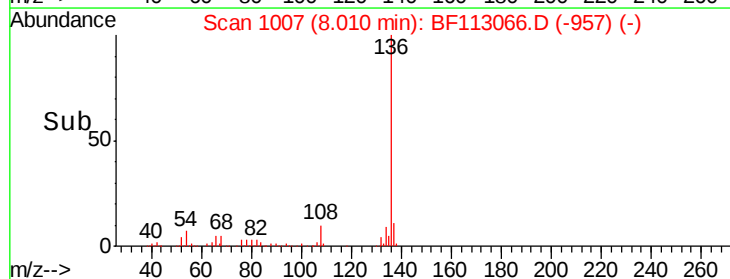
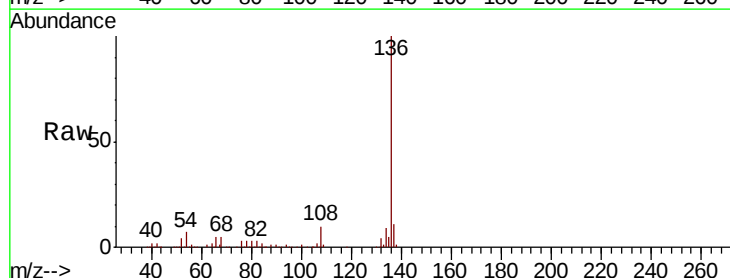
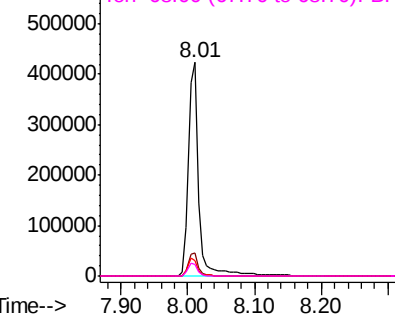
Delta R.T. -0.01 min

Lab File: BF113066.D

Acq: 15 Mar 2019 15:26

Tgt Ion:	136	Resp:	439469
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.3	7.3	10.9
68	5.3	5.4	8.2#

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





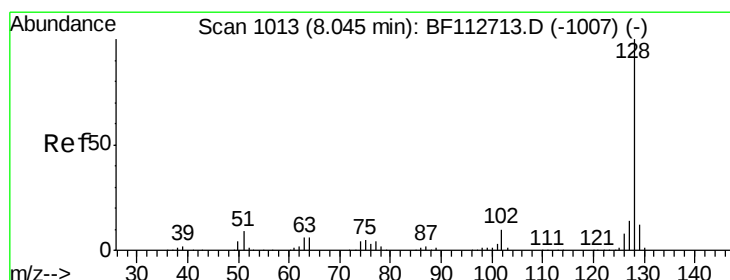
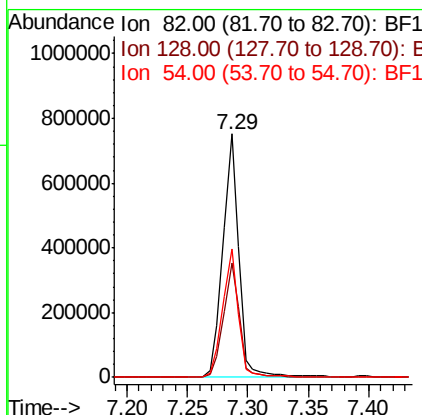
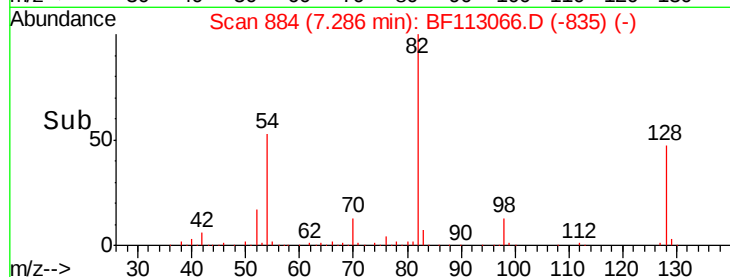
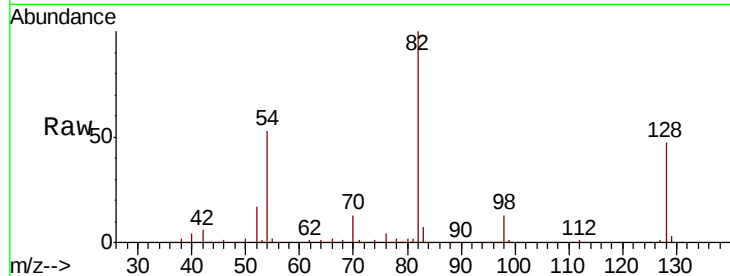
#23
Nitrobenzene-d5
Concen: 94.678 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.3	54.5
54	52.9	43.7	65.5

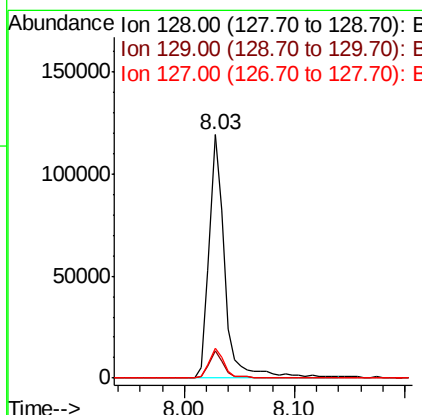
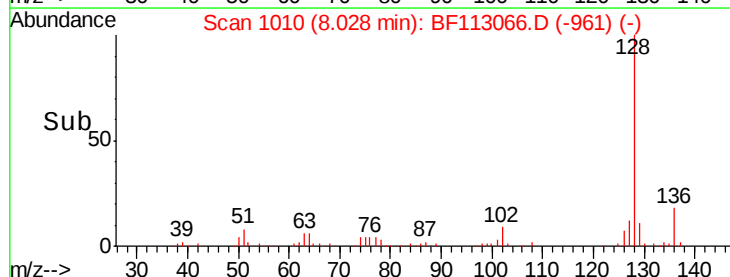
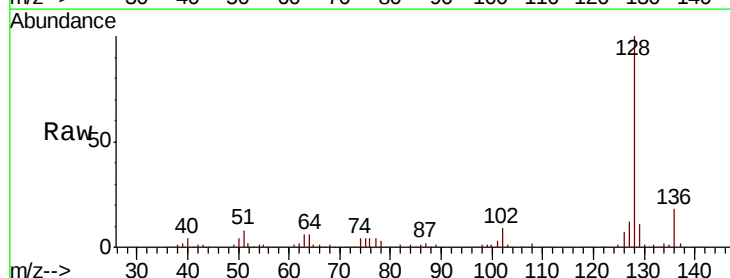
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#31
Naphthalene
Concen: 5.293 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	12.1	10.9	16.3





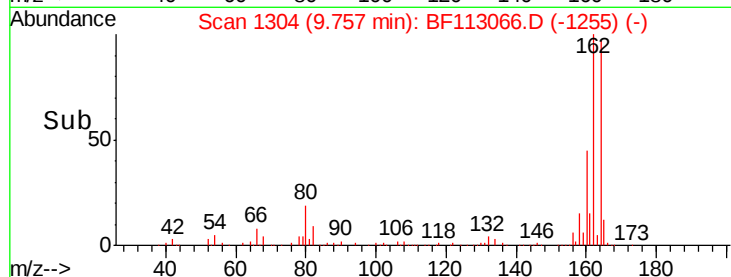
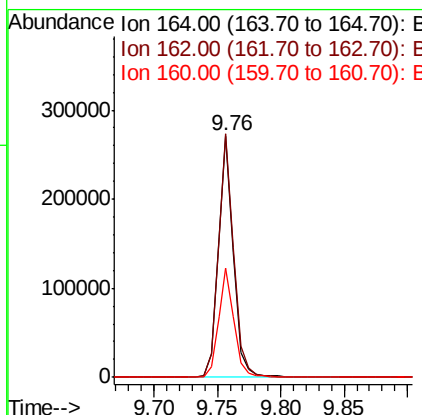
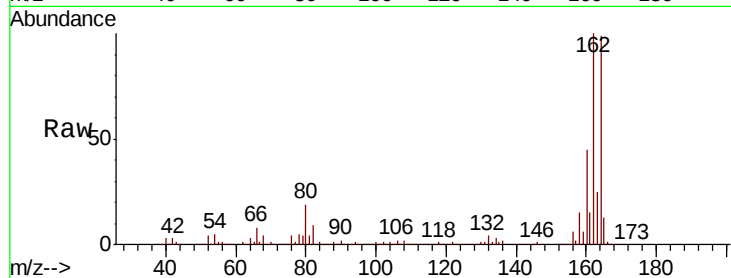
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Instrument :
 BNA_F
 ClientSampleId :
 282-346

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	80.6	120.8	
160	45.3	36.0	54.0	

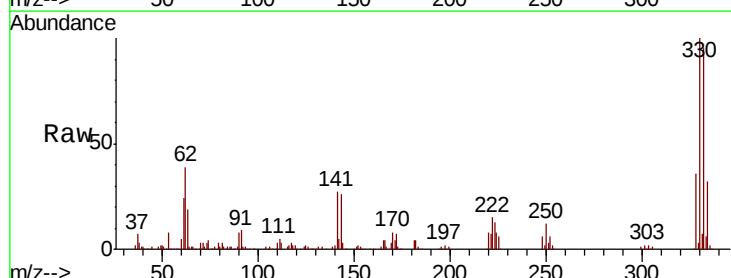
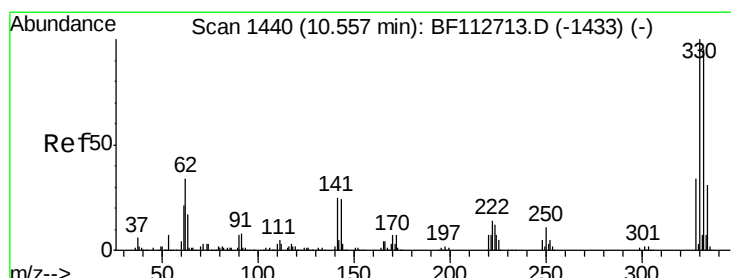
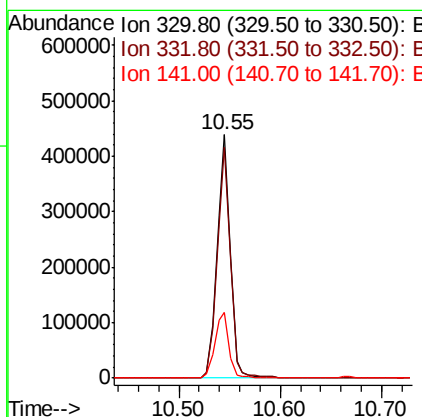
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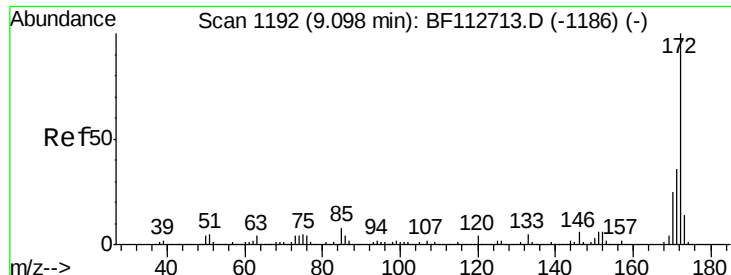
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#42
 2,4,6-Tribromophenol
 Concen: 163.536 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.2	114.4	
141	28.3	27.0	40.6	





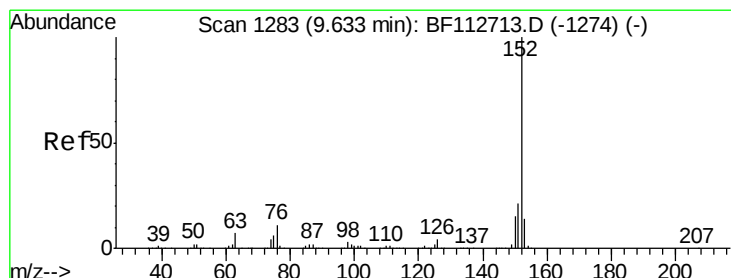
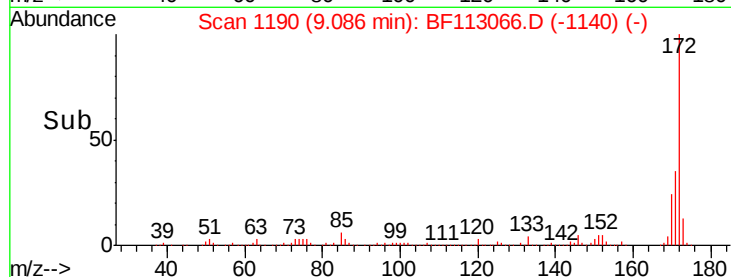
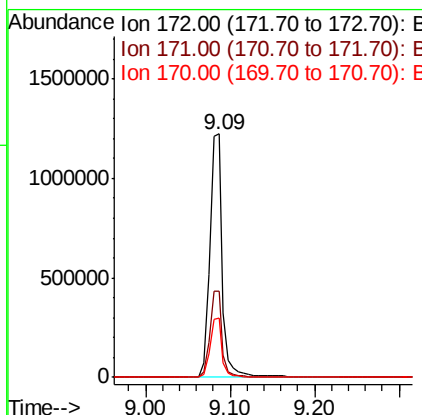
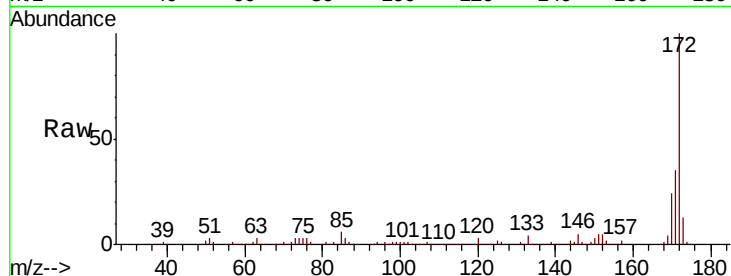
#45
2-Fluorobiphenyl
Concen: 96.108 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampleId :
282-346

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.4
170	24.2	20.0	30.0

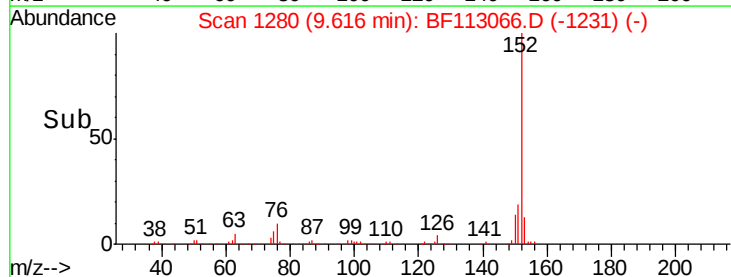
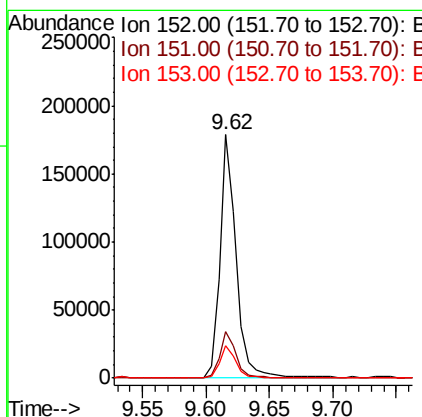
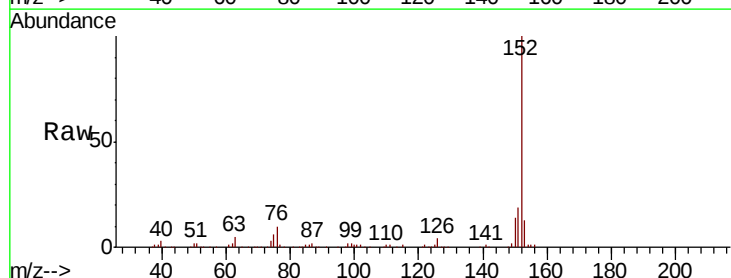
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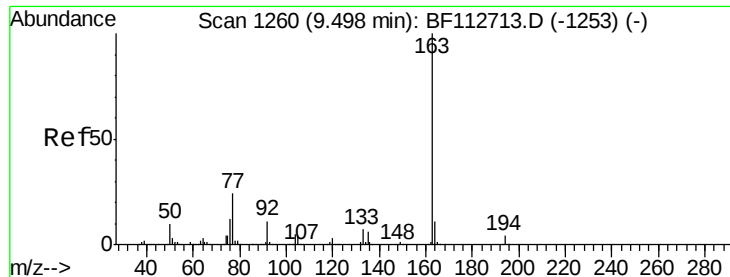
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#49
Acenaphthylene
Concen: 6.528 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.9	25.3
153	13.3	11.0	16.6





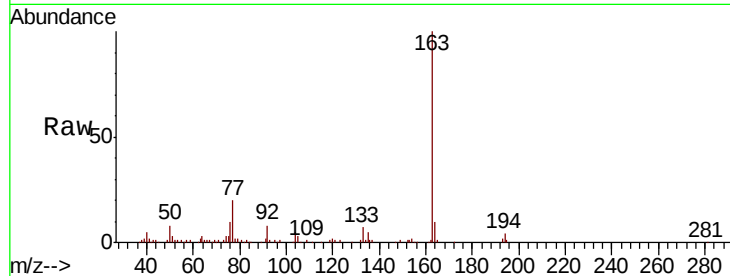
#50
Dimethylphthalate
Concen: 5.188 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.8	8.4	12.6

Manual Integrations
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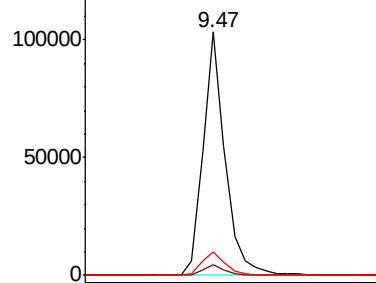


Abundance

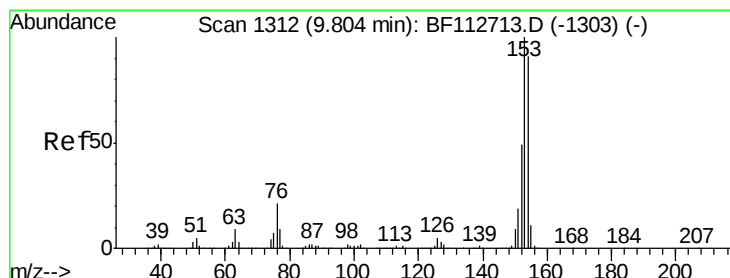
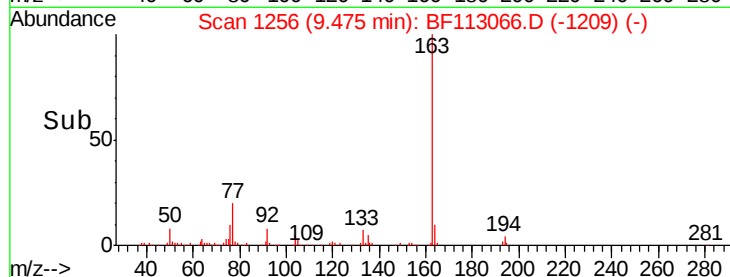
Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#52
Acenaphthene
Concen: 2.684 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

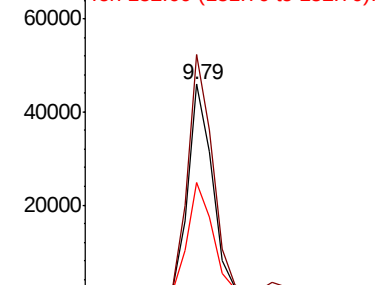
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.9	87.8	131.8
152	54.2	43.0	64.6

Abundance

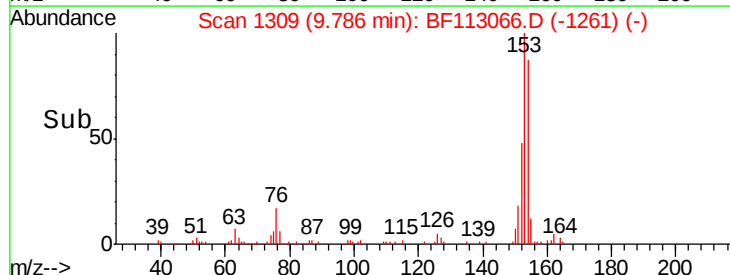
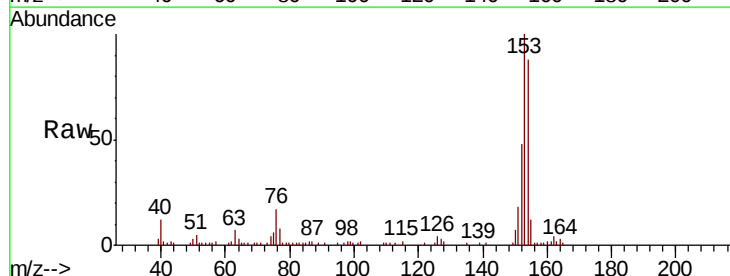
Ion 154.00 (153.70 to 154.70): E

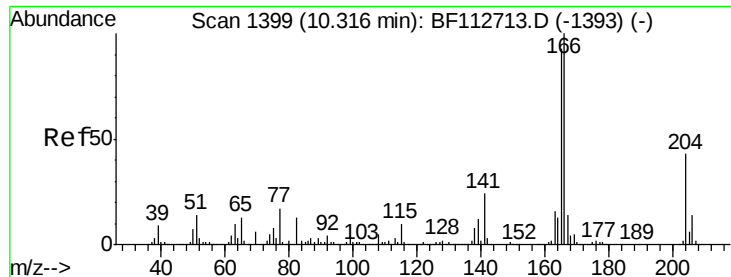
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->





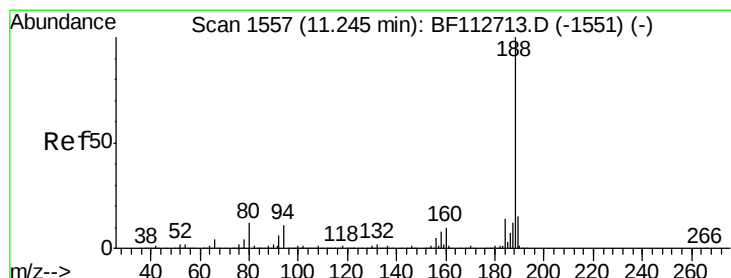
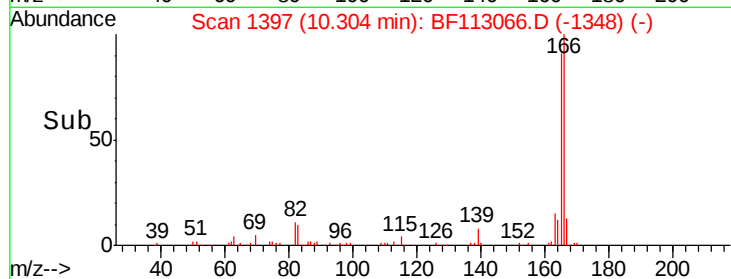
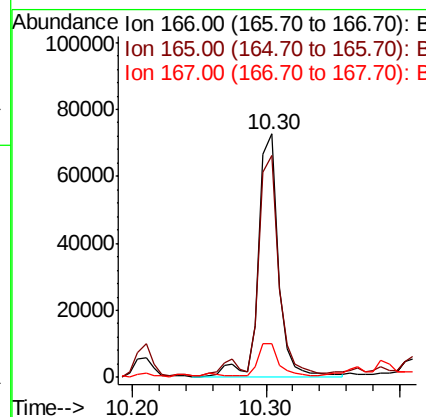
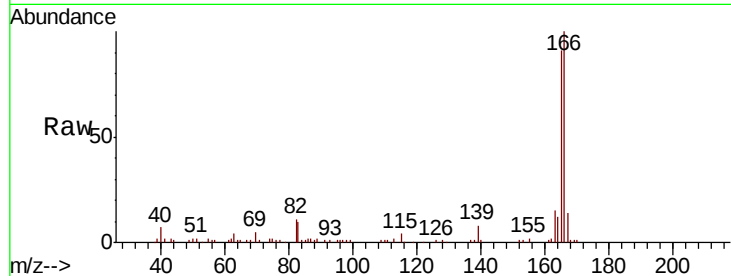
#58
 Fluorene
 Concen: 5.063 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Instrument :
 BNA_F
 ClientSampleId :
 282-346

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		75428		
165	91.1	74.7	112.1		
167	13.7	11.0	16.6		

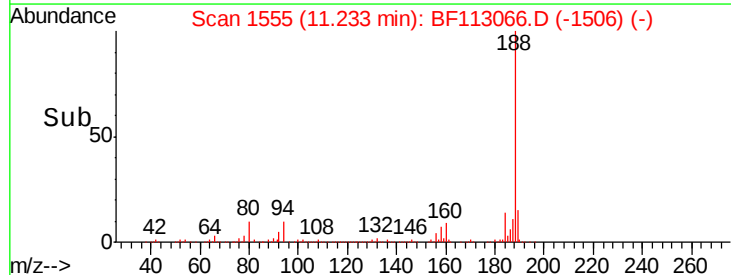
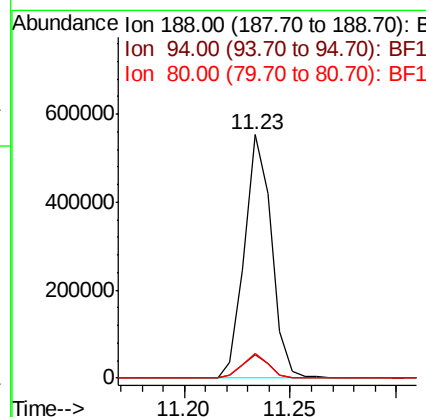
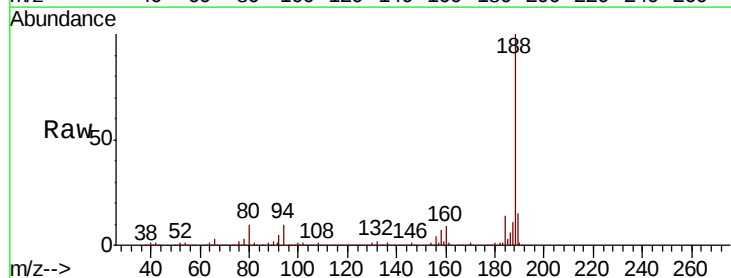
Manual Integrations
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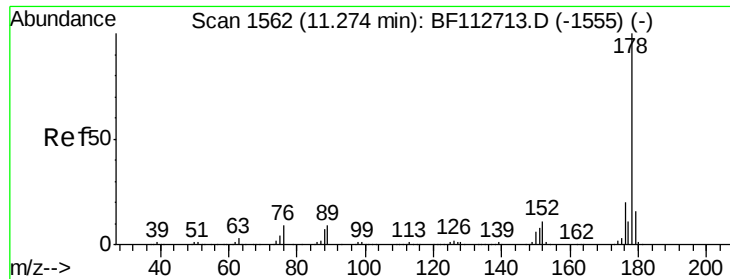
Sohil
 3/18/2019 2:59:30 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		489139		
94	9.7	9.0	13.4		
80	10.0	9.2	13.8		





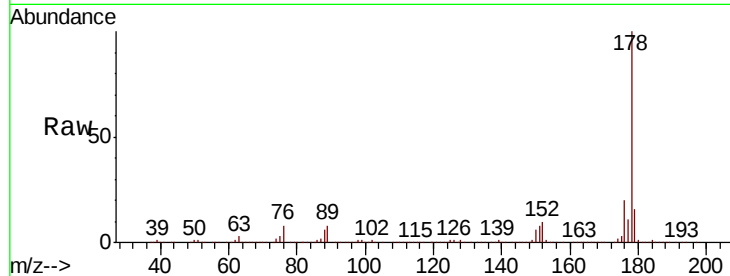
#71
Phenanthrene
Concen: 39.754 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		967484		
176	19.8	16.3	24.5		
179	15.8	12.7	19.1		

Manual Integrations
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Sohil
3/18/2019 2:59:30 PM

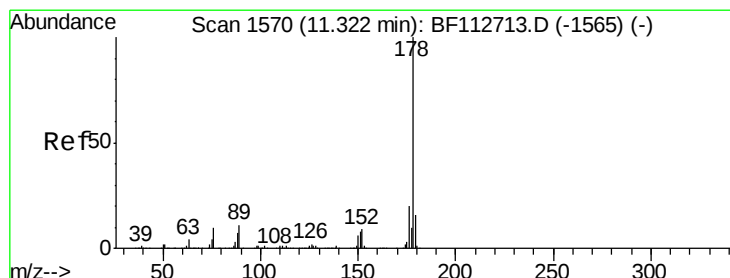
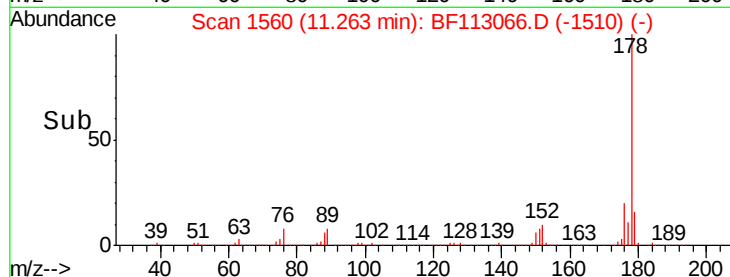
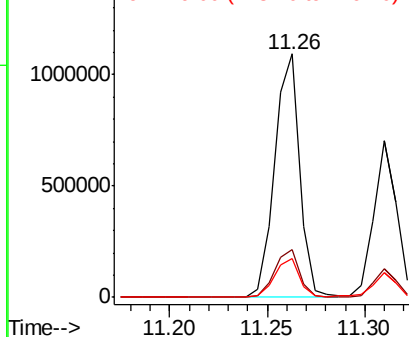


Abundance

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



#72
Anthracene
Concen: 23.404 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

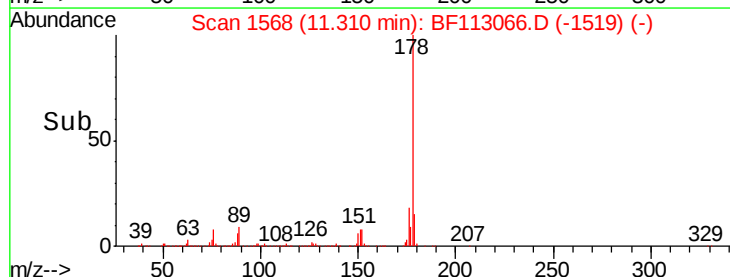
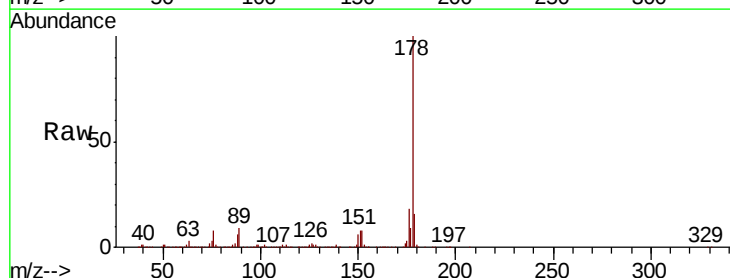
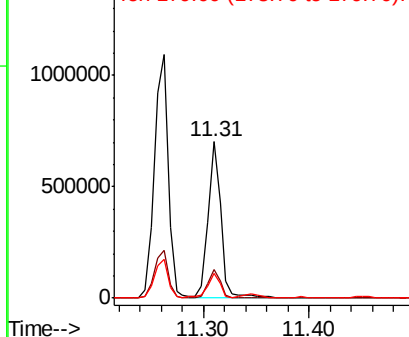
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		596219		
176	18.4	15.8	23.6		
179	15.6	13.0	19.6		

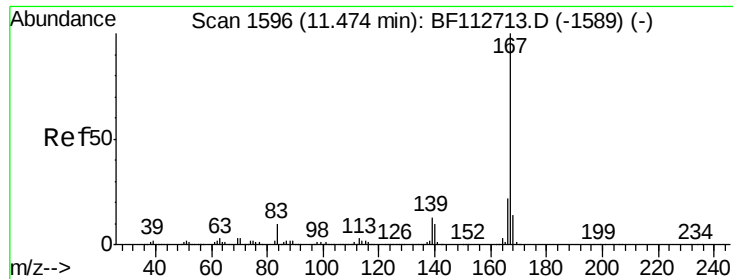
Abundance

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





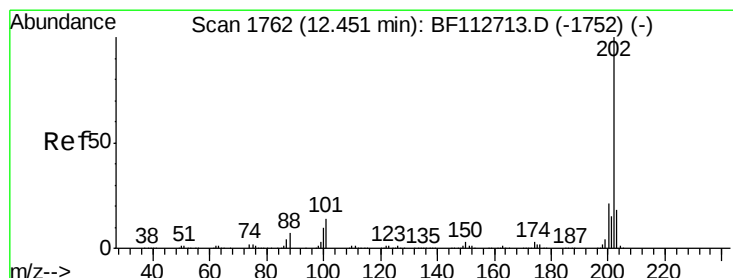
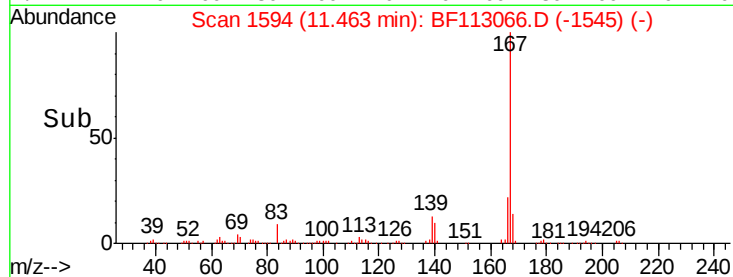
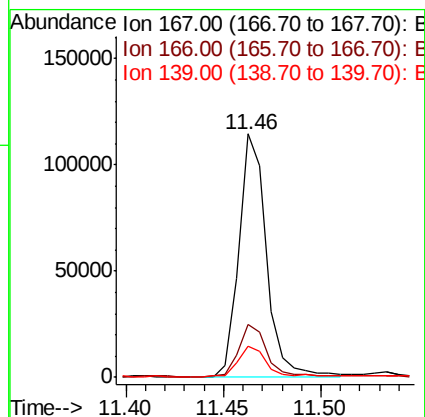
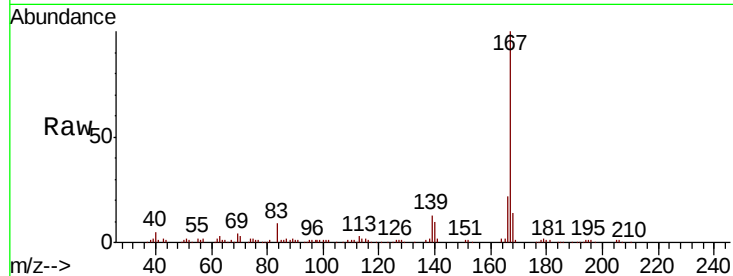
#73
 Carbazole
 Concen: 4.534 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Instrument :
 BNA_F
 ClientSampleId :
 282-346

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	12.9	10.8	16.2

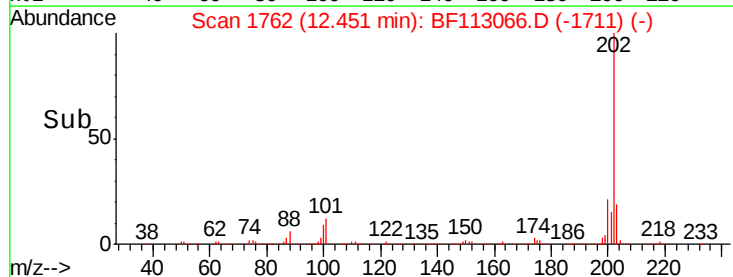
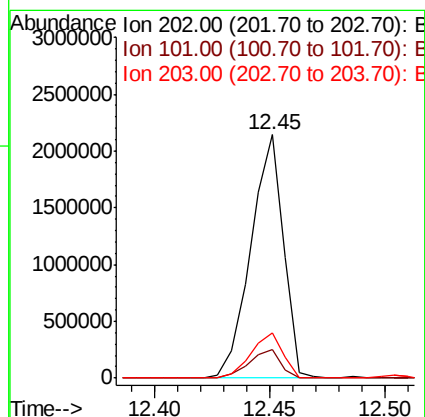
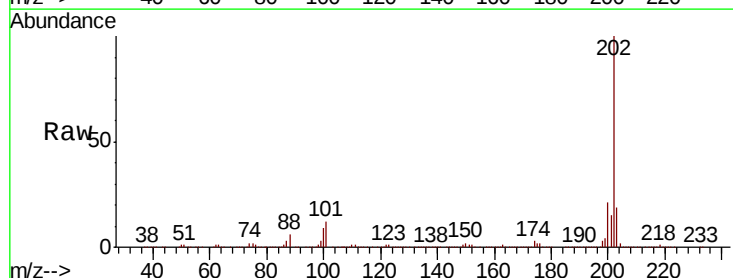
Manual Integrations
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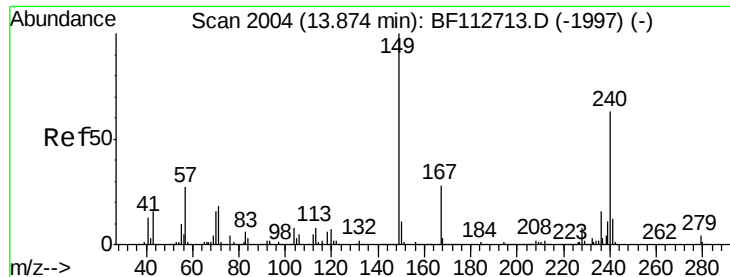
Sohil
 3/18/2019 2:59:30 PM



#75
 Fluoranthene
 Concen: 81.287 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.8
203	18.6	0.0	38.4





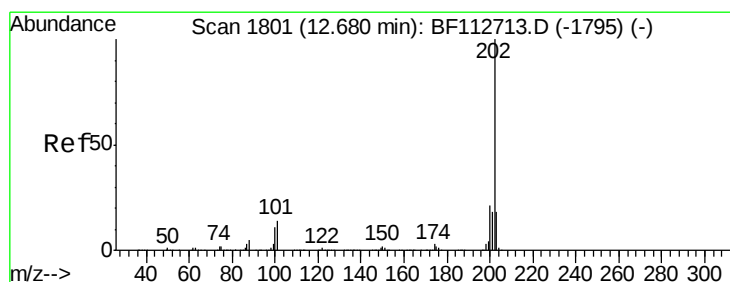
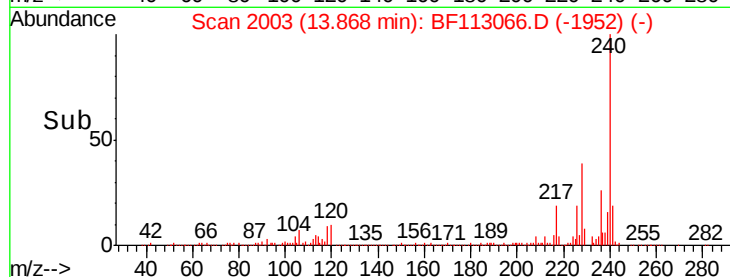
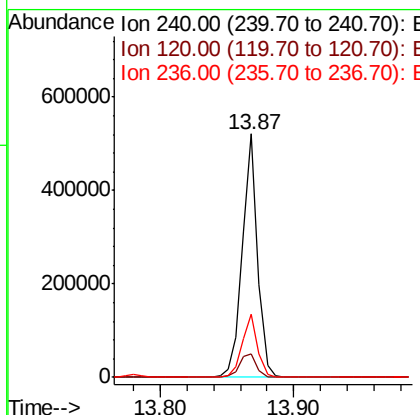
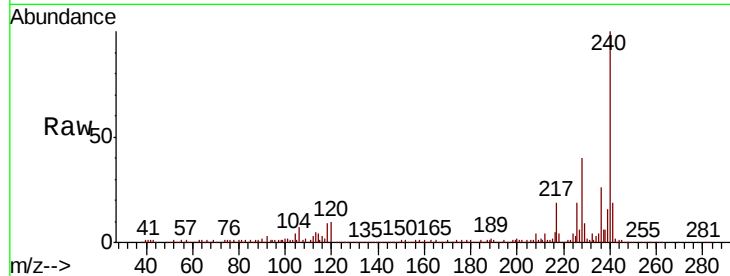
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampleId :
282-346

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	26.1	20.7	31.1

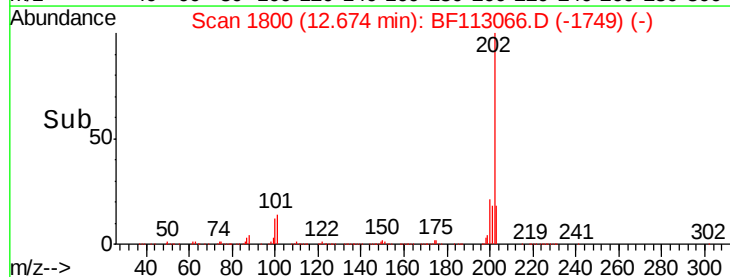
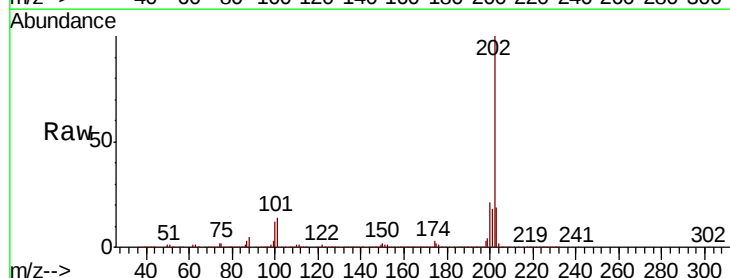
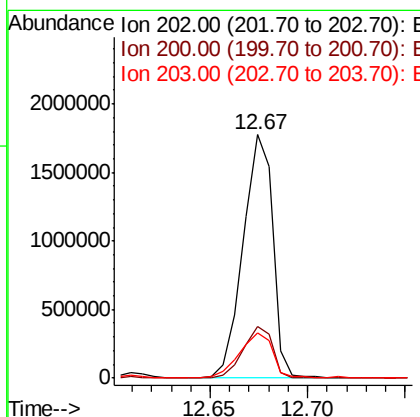
Manual Integrations
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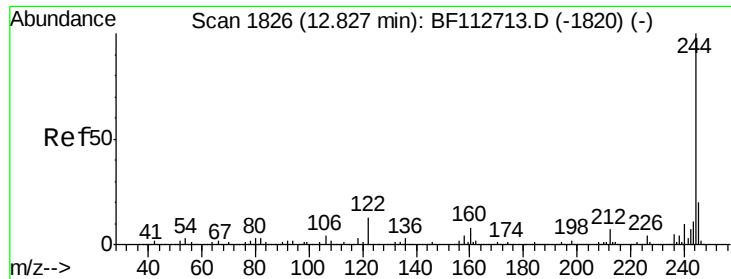
Sohil
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#78
Pyrene
Concen: 53.643 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	18.6	14.4	21.6





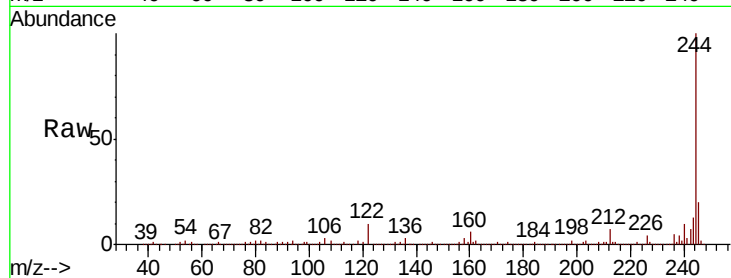
#79
 Terphenyl-d14
 Concen: 69.946 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Instrument :
 BNA_F
 ClientSampleId :
 282-346

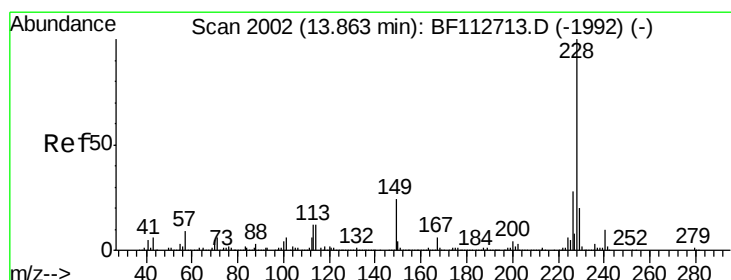
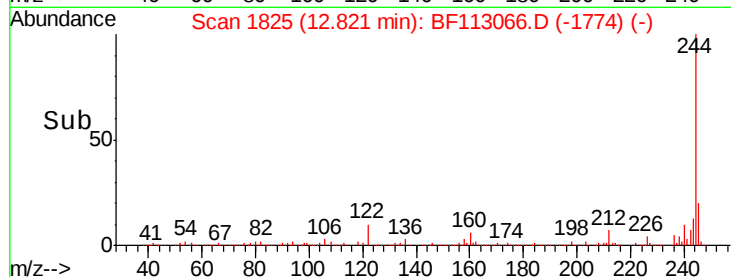
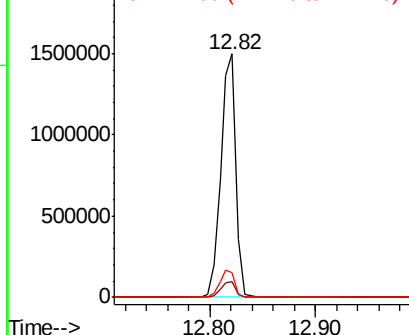
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.0	10.5	15.7

Manual Integrations
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Sohil
 3/18/2019 2:59:30 PM



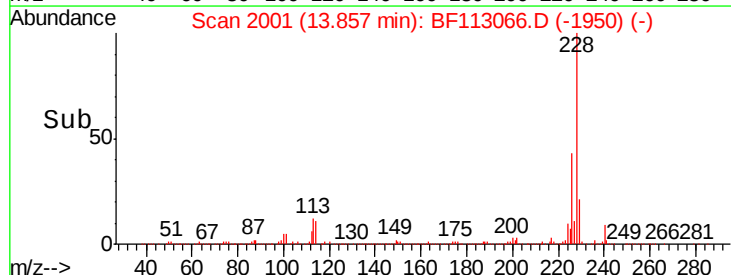
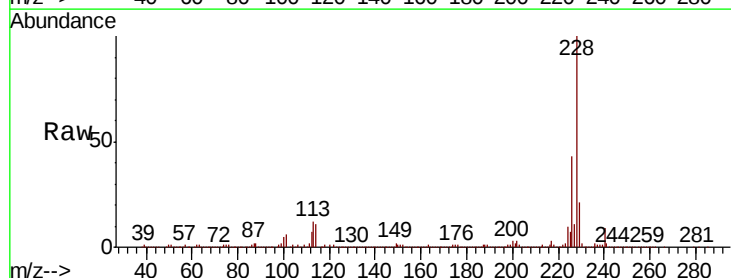
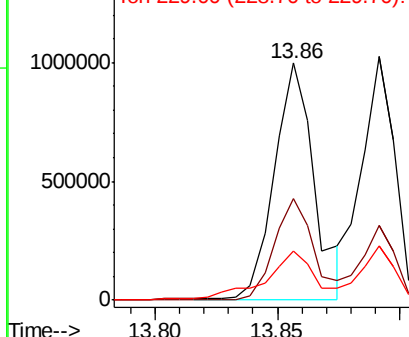
Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

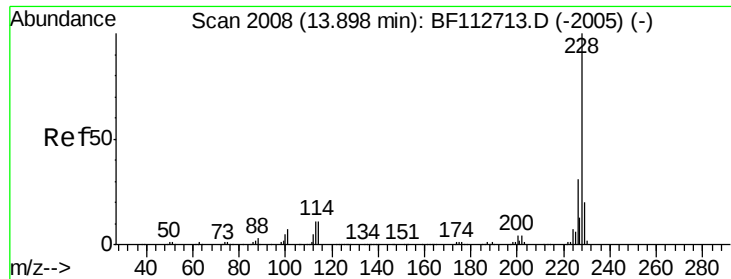


#81
 Benzo(a)anthracene
 Concen: 40.051 ng m
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF113066.D
 Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.8	22.2	33.4
229	20.8	16.0	24.0

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





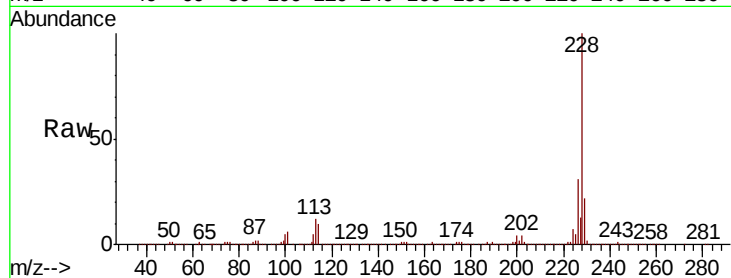
#83
Chrysene
Concen: 34.715 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.4	16.3	24.5

Manual Integrations
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3/18/2019 2:59:30 PM

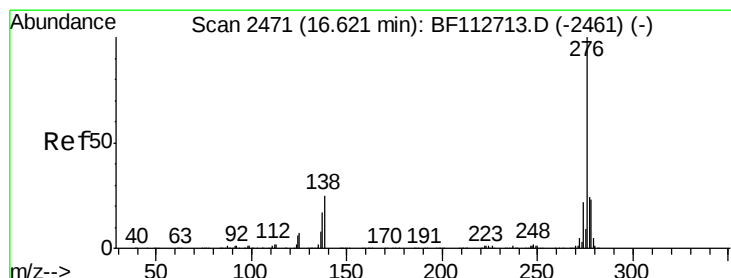
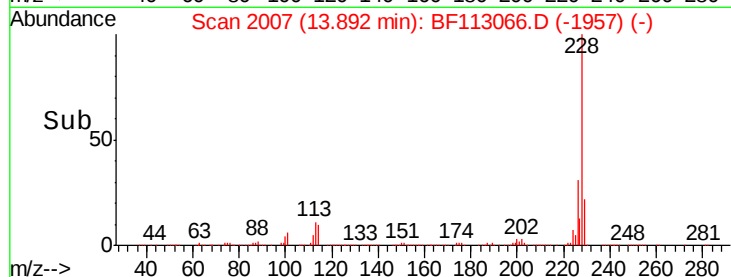
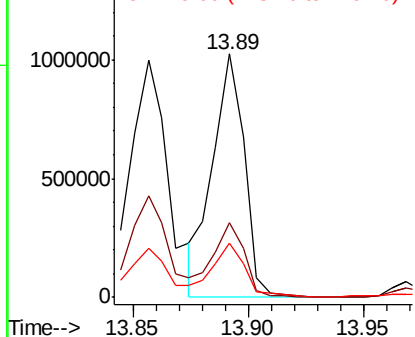


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 31.383 ng m
RT: 16.64 min Scan# 2474
Delta R.T. -0.00 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

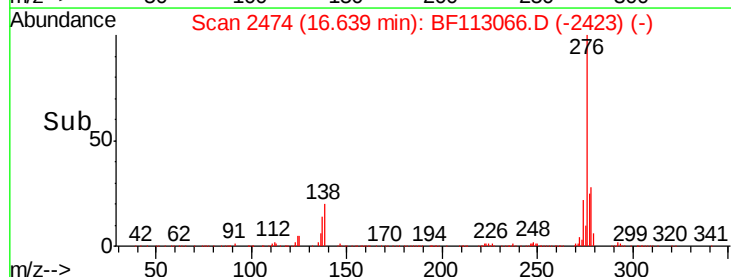
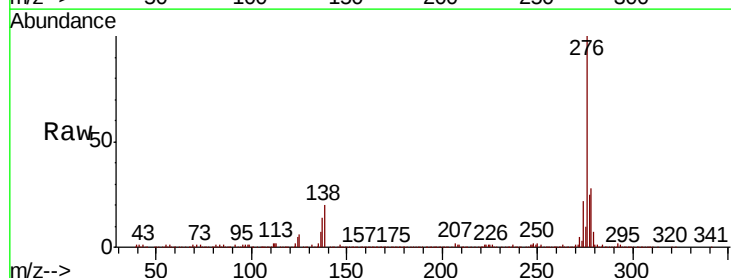
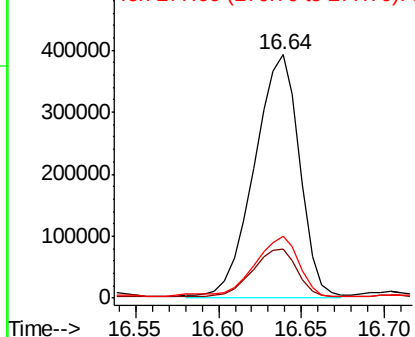
Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.9	23.2	34.8#
277	4.1	19.9	29.9#

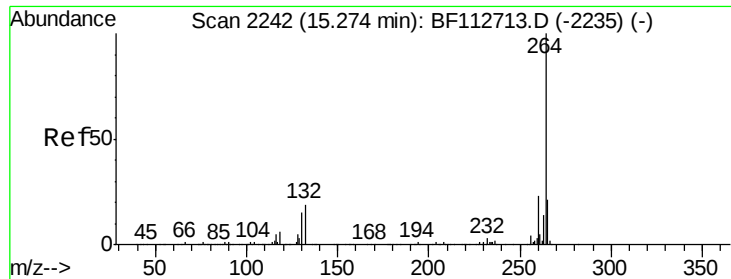
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





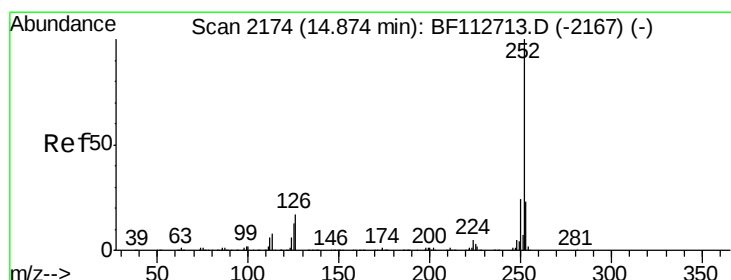
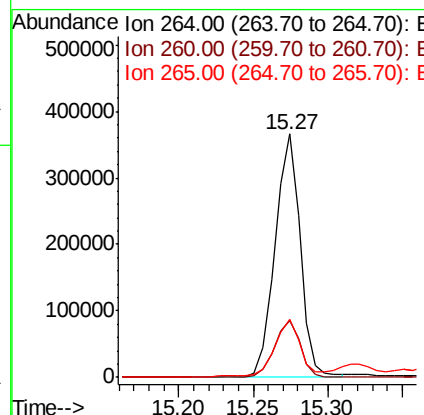
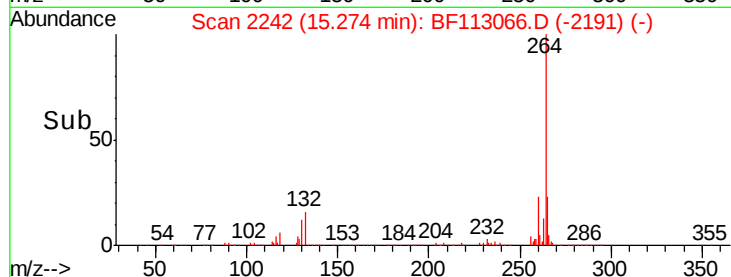
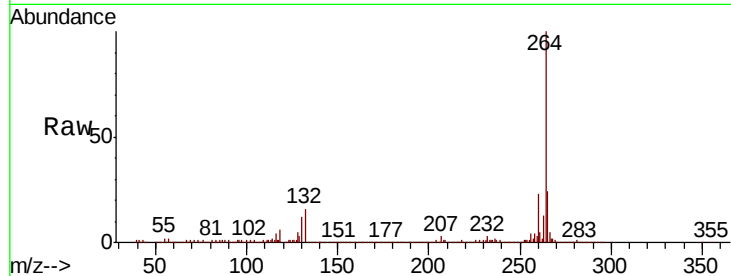
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	23.6	17.2	25.8

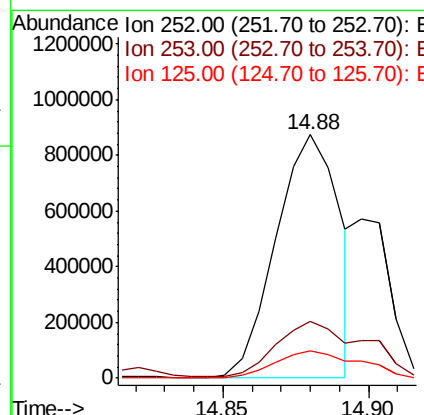
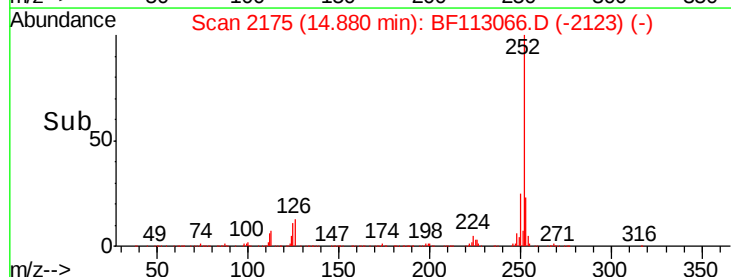
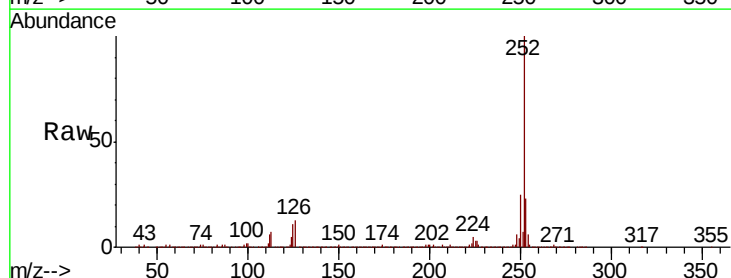
Manual Integrations
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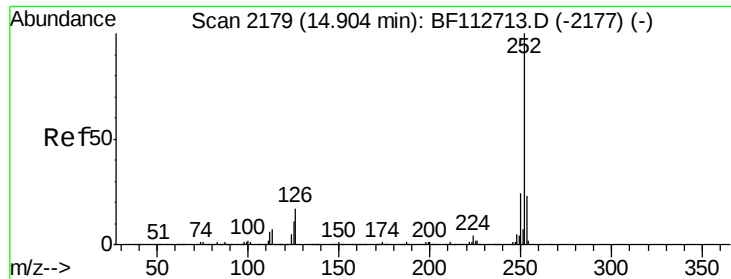
Sohil
3/18/2019 2:59:30 PM



#88
Benzo(b)fluoranthene
Concen: 47.796 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.0	10.2	15.2





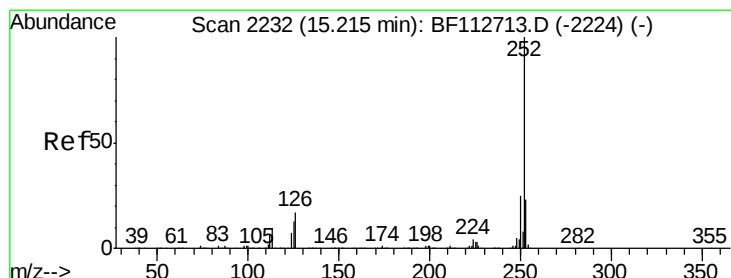
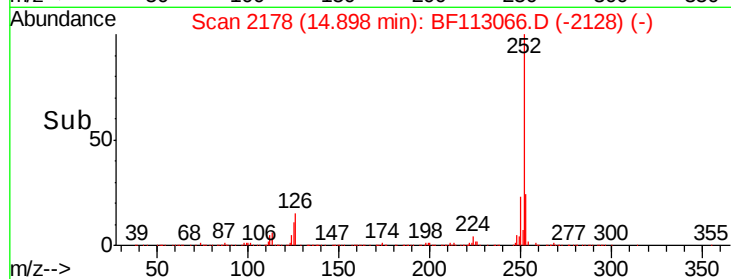
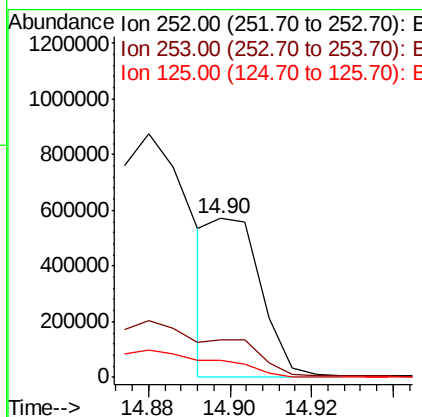
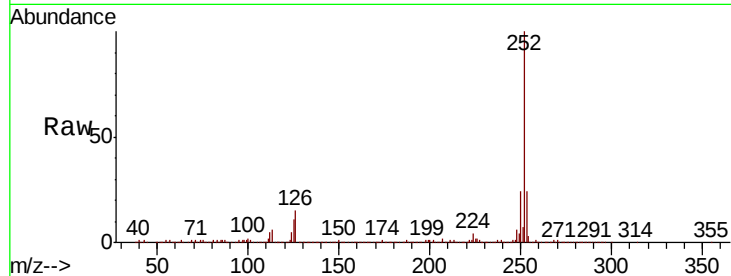
#89
Benzo(k)fluoranthene
Concen: 19.552 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.8	9.8	14.6

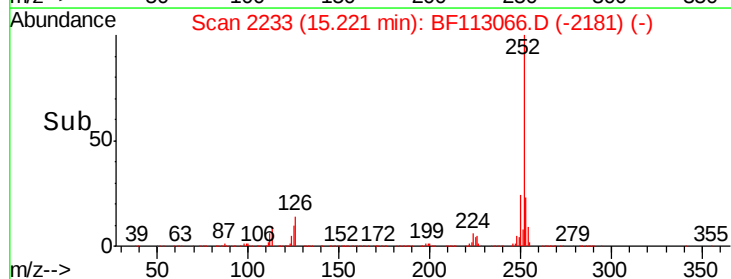
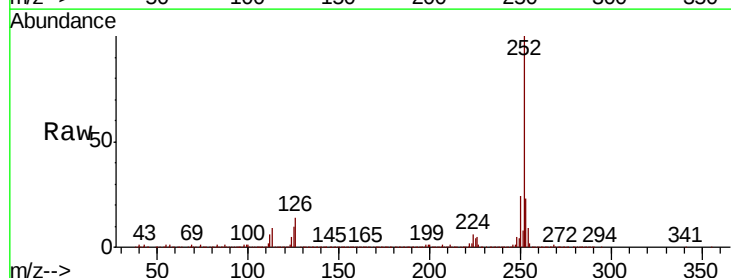
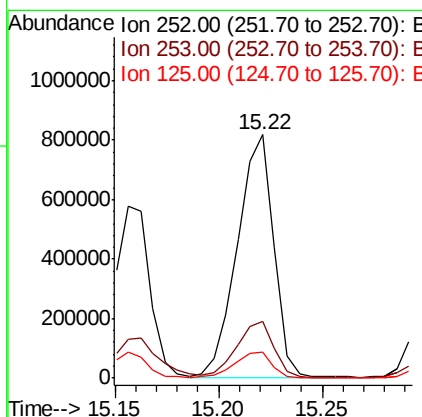
Manual Integrations
APPROVED

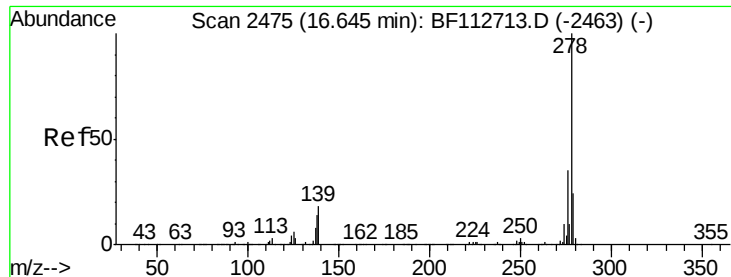
Sohil
3/18/2019 2:59:30 PM



#90
Benzo(a)pyrene
Concen: 41.028 ng m
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.5	10.7	16.1#





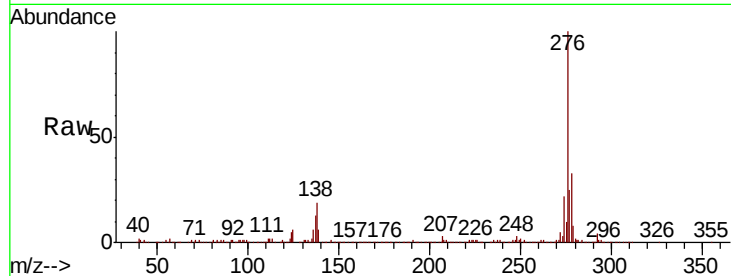
#91
Dibenzo(a,h)anthracene
Concen: 9.059 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.01 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Instrument :
BNA_F
ClientSampled :
282-346

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.3	21.5
279	25.1	19.4	29.0

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:30 PM

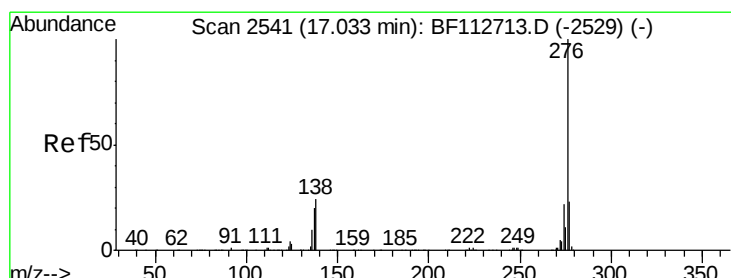
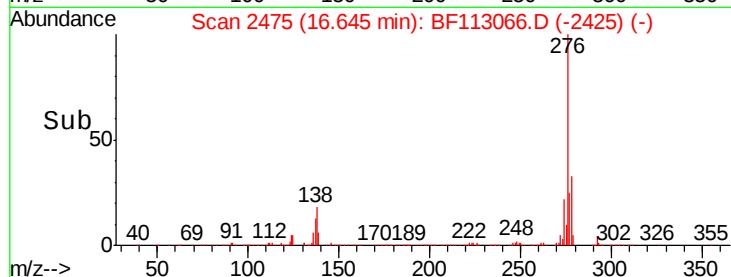
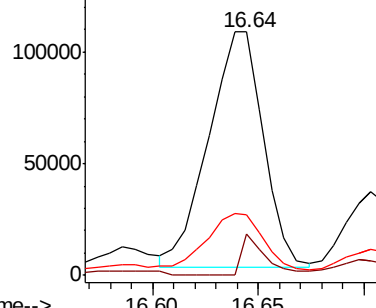


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 33.581 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF113066.D
Acq: 15 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	27.8
138	20.7	19.4	29.0

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

