

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
 Data File : BF113505.D
 Acq On : 2 Apr 2019 14:59
 Operator : JU/SJ
 Sample : K2050-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-5

Manual Integrations
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 4/3/2019 4:27:26 AM

Quant Time: Apr 02 15:40:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	139355	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	539184	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	262325	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	510895	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	329896	20.00	ng	-0.01
87) Perylene-d12	15.24	264	373055	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	236085	27.70	ng	-0.02
7) Phenol-d6	6.33	99	330033	30.61	ng	-0.02
23) Nitrobenzene-d5	7.25	82	194384	21.40	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	90830	28.03	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	367606	5.46	ng	-0.02
79) Terphenyl-d14	12.78	244	338125	22.59	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.58	152	104796	3.842	ng	98
52) Acenaphthene	9.75	154	83861	5.460	ng	99
55) Dibenzofuran	9.92	168	92625	4.011	ng	96
58) Fluorene	10.26	166	100475	5.601	ng	98
71) Phenanthrene	11.23	178	1444361	56.929	ng	100
72) Anthracene	11.27	178	202584	7.861	ng	99
73) Carbazole	11.43	167	326367	13.272	ng	98
75) Fluoranthene	12.43	202	3755278	130.930	ng	97
78) Pyrene	12.65	202	2994412	130.985	ng	98
81) Benzo(a)anthracene	13.82	228	563806	29.857	ng	96
83) Chrysene	13.86	228	1465396	76.399	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	322313	19.580	ng	96
88) Benzo(b)fluoranthene	14.85	252	1295754m	55.914	ng	
89) Benzo(k)fluoranthene	14.87	252	433032m	21.278	ng	
90) Benzo(a)pyrene	15.18	252	335801	16.345	ng	97
91) Dibenzo(a,h)anthracene	16.59	278	71305m	4.014	ng	
92) Benzo(a,h,i)perylene	17.00	276	276517	15.438	ng	98

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

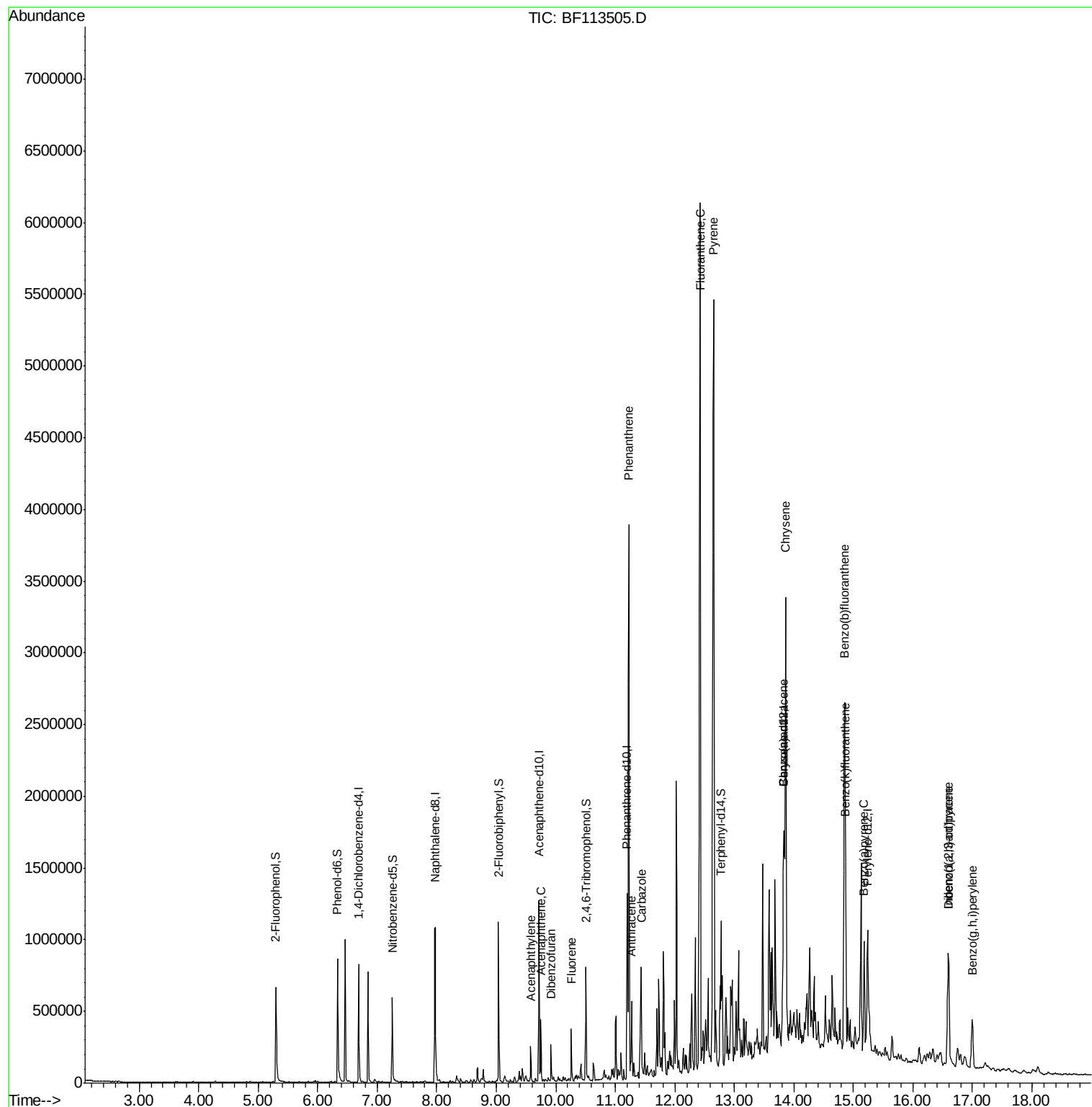
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
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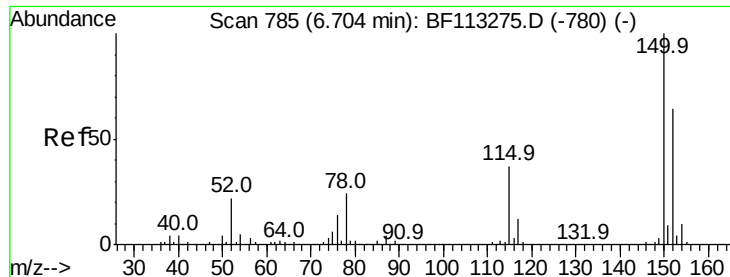
Instrument :
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CS-5

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
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#1

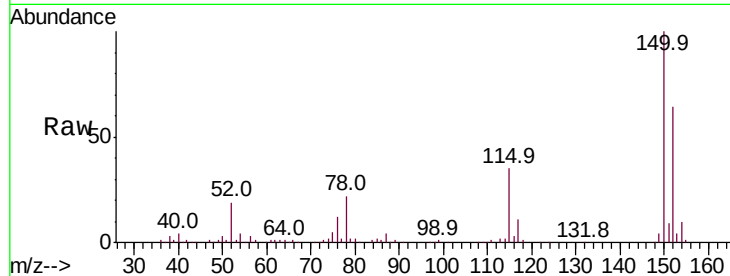
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampleId :
CS-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.7	187.1
115	54.3	46.0	69.0

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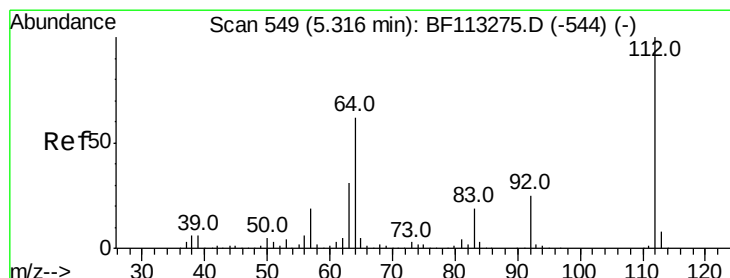
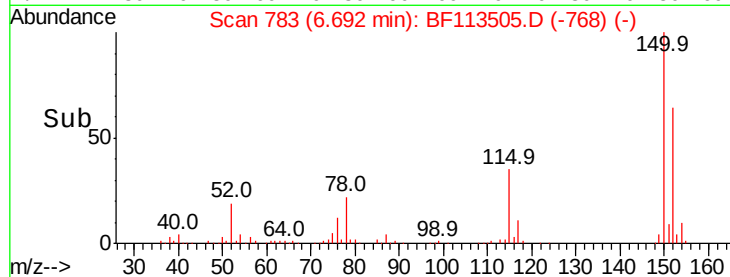
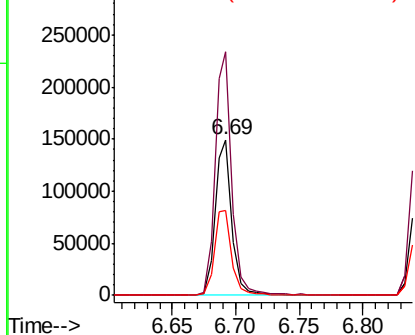


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

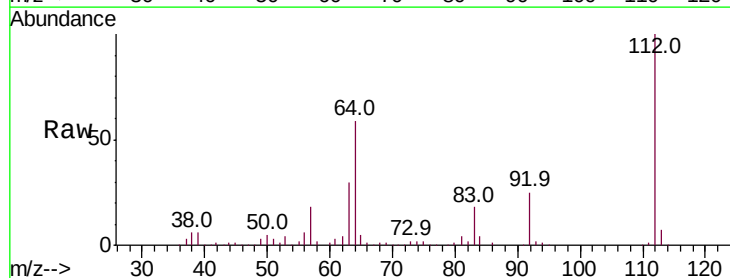
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.701 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.2	73.8
63	29.9	24.9	37.3

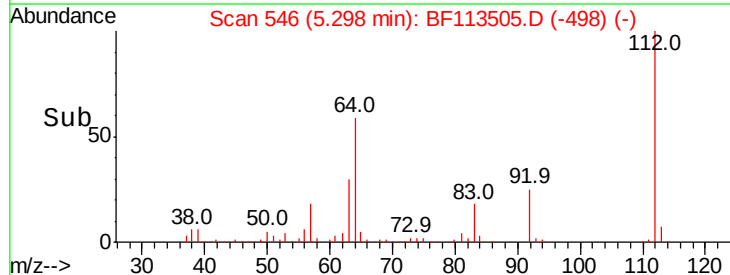
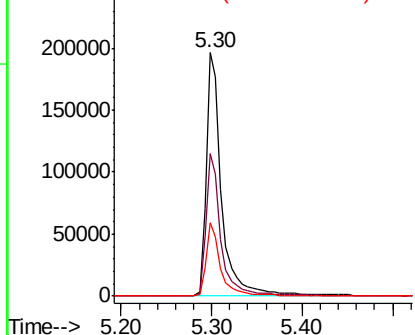


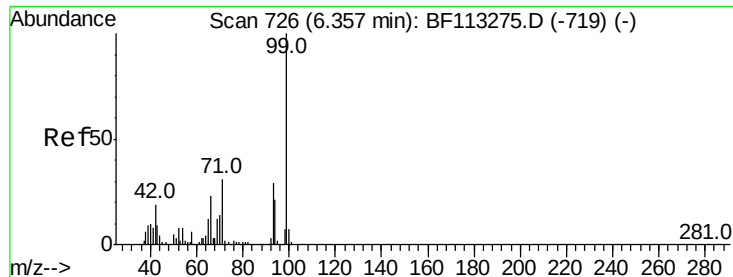
Abundance

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: 30.611 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Instrument :

BNA_F

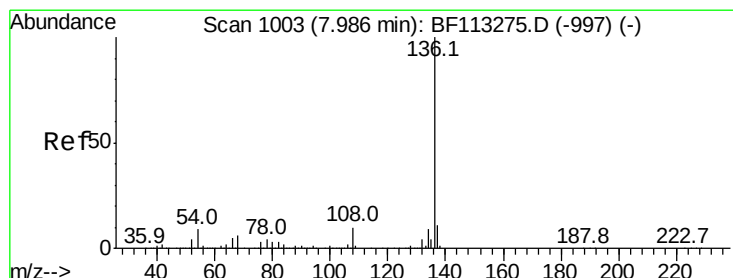
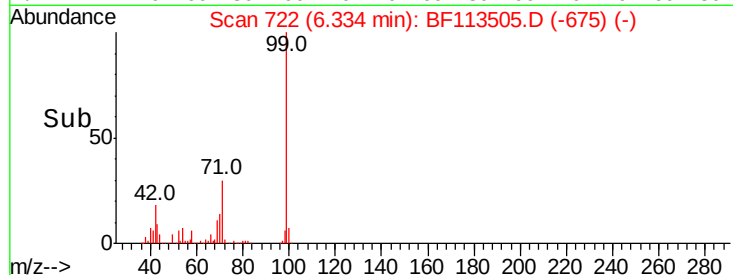
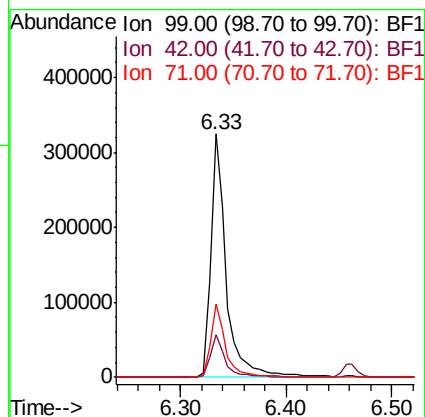
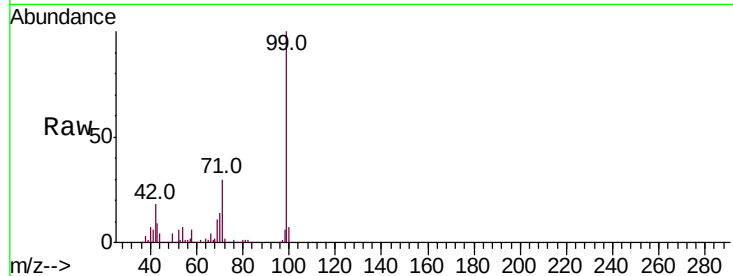
ClientSampleId :

CS-5

Tot Ion:	99	Resp:	330033
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.8	22.2
71	30.4	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

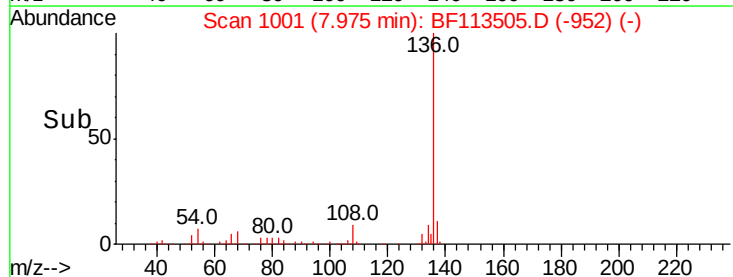
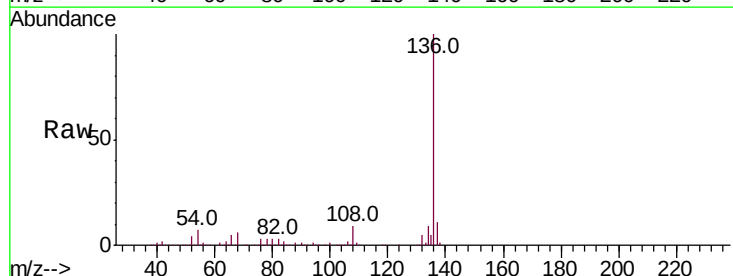
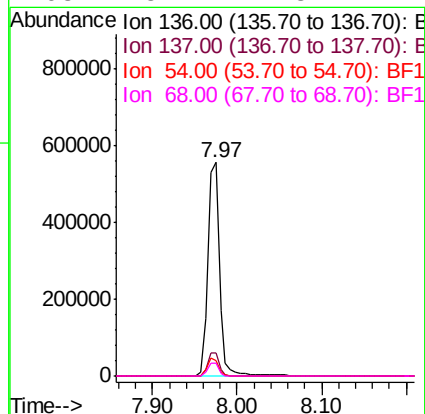
RT: 7.97 min Scan# 1001

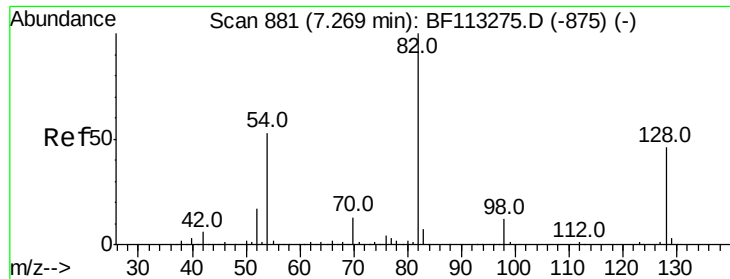
Delta R.T. -0.01 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Tgt Ion:	136	Resp:	539184
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.2	7.0	10.6
68	5.7	4.8	7.2





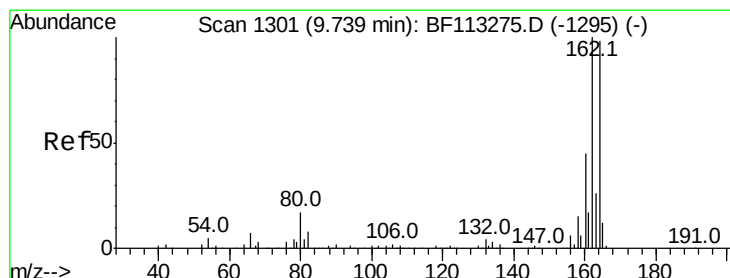
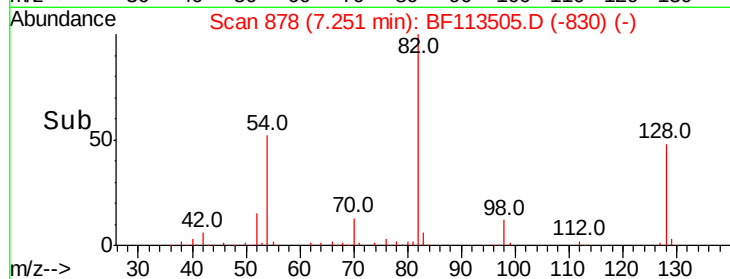
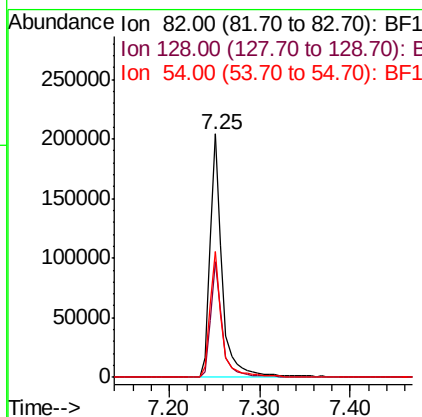
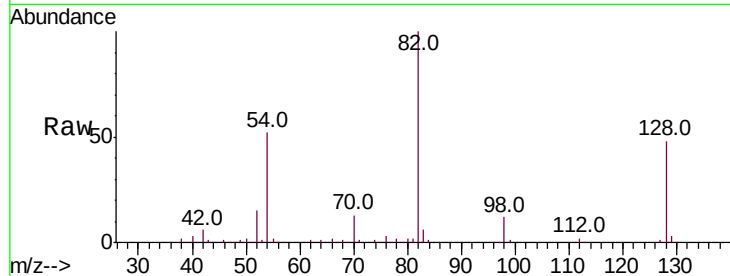
#23
Nitrobenzene-d5
Concen: 21.398 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.5	54.7
54	51.8	42.2	63.2

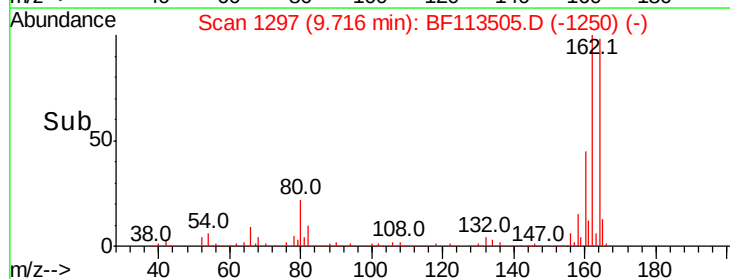
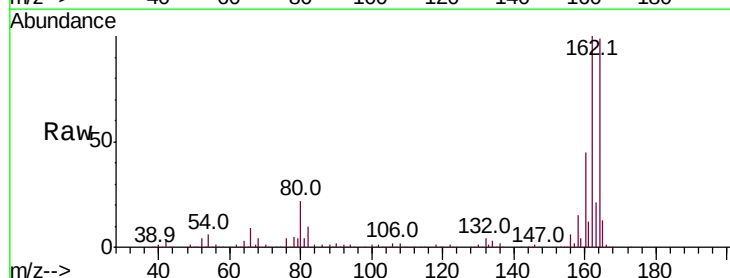
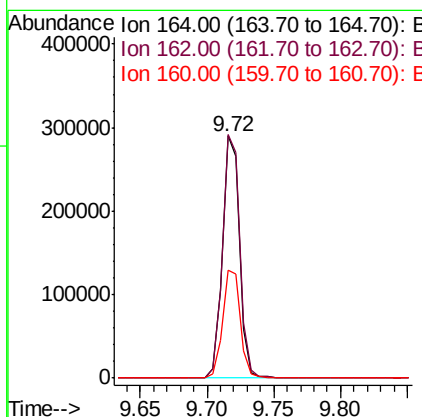
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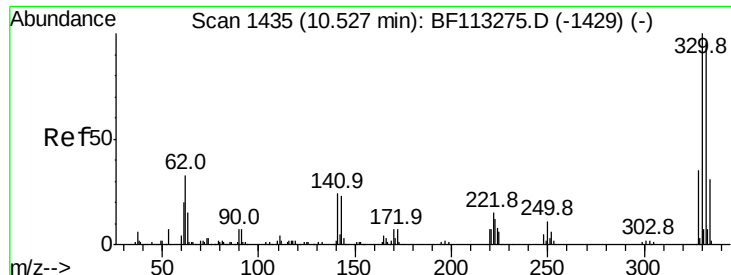
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.6
160	44.8	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 28.031 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Instrument :

BNA_F

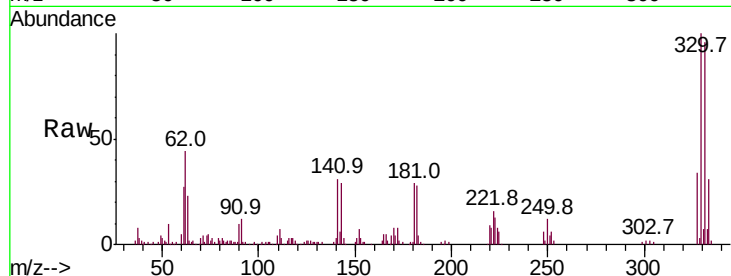
ClientSampled :

CS-5

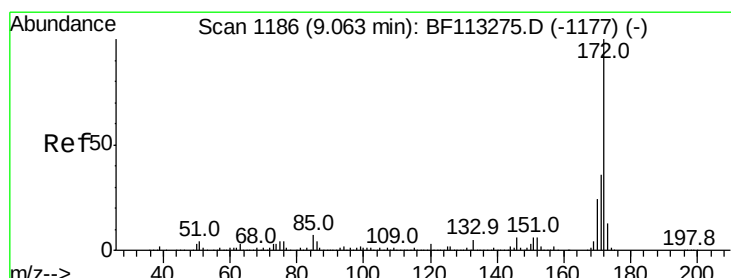
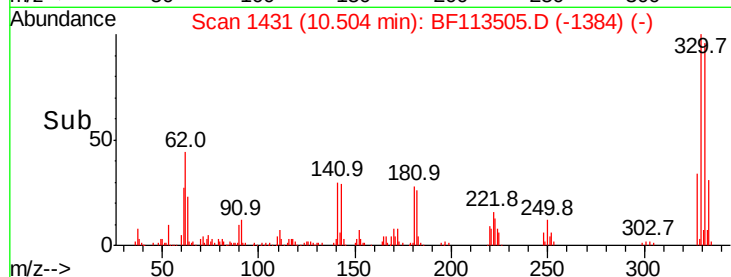
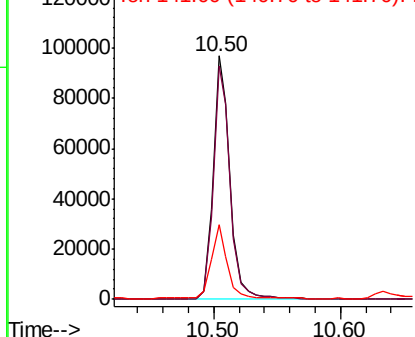
Tot Ion:	330	Resp:	90830
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.8	116.6
141	31.0	22.7	34.1

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 5.460 ng

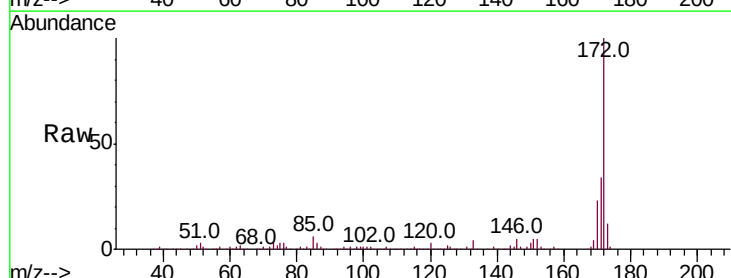
RT: 9.05 min Scan# 1183

Delta R.T. -0.02 min

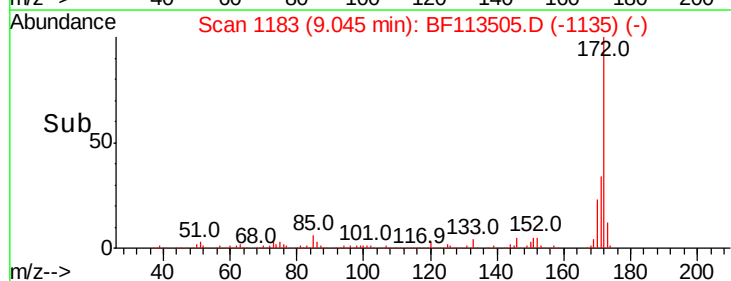
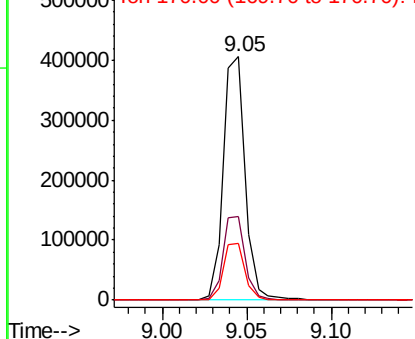
Lab File: BF113505.D

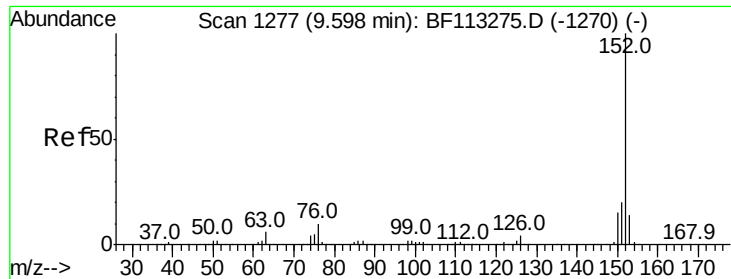
Acq: 2 Apr 2019 14:59

Tgt Ion:	172	Resp:	367606
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.0	43.6
170	23.4	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





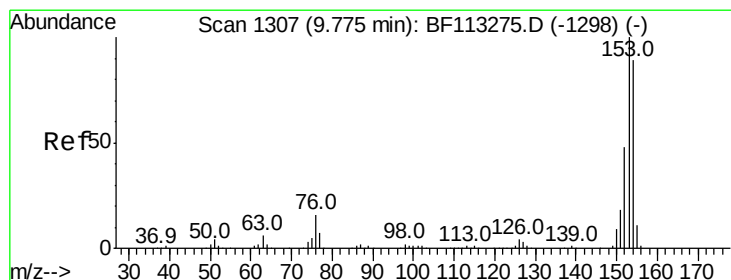
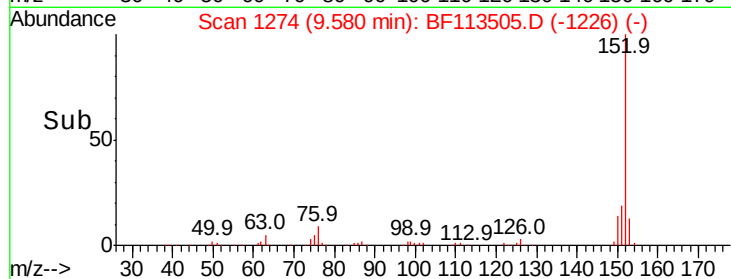
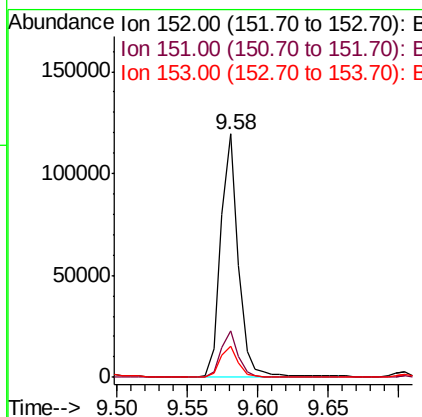
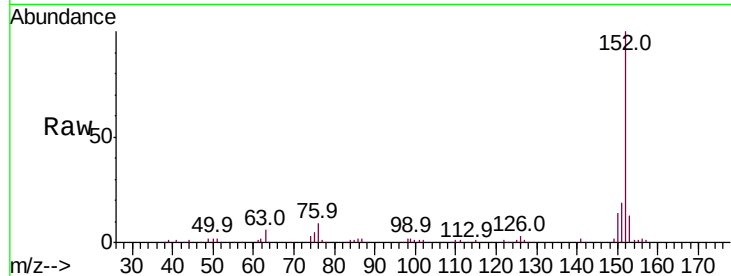
#49
Acenaphthylene
Concen: 3.842 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion:	152	Resp:	104796
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.2	24.4
153	13.0	11.0	16.6

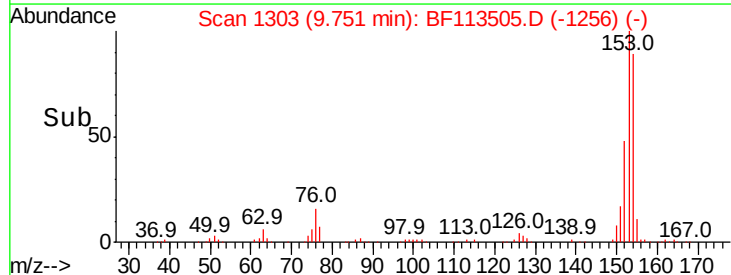
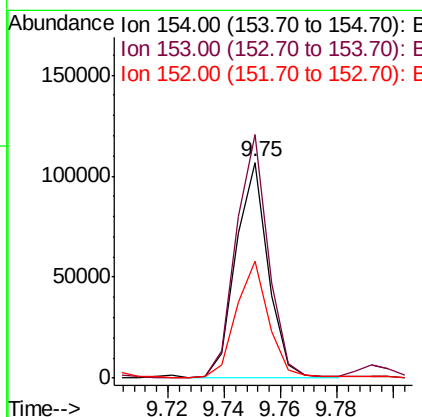
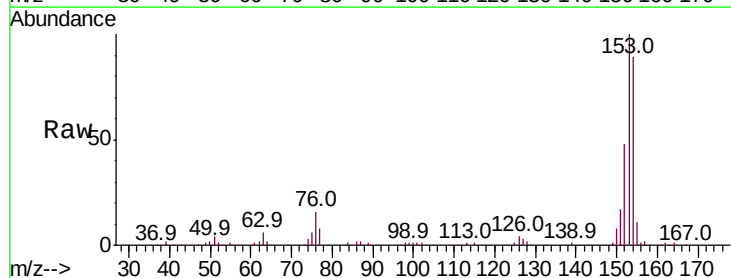
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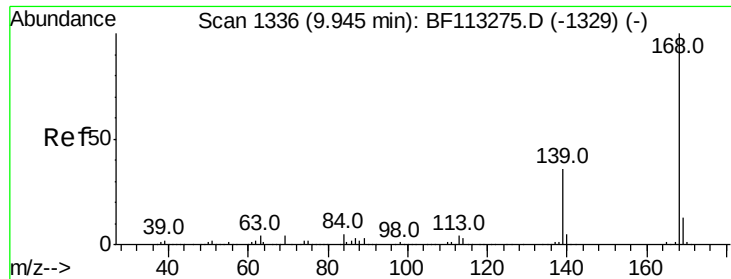
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#52
Acenaphthene
Concen: 5.460 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion:	154	Resp:	83861
Ion Ratio	Lower	Upper	
154	100		
153	112.9	89.5	134.3
152	54.1	43.3	64.9





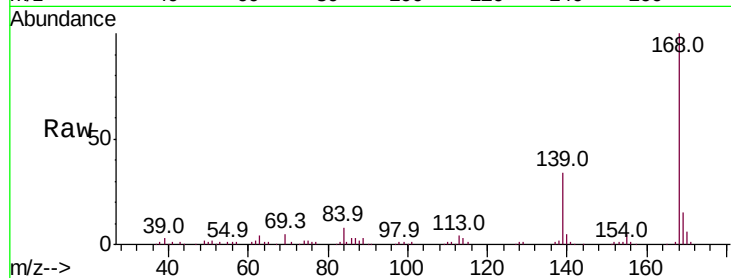
#55
Dibenzenofuran
Concen: 4.011 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.2	29.7	44.5
169	14.5	10.7	16.1

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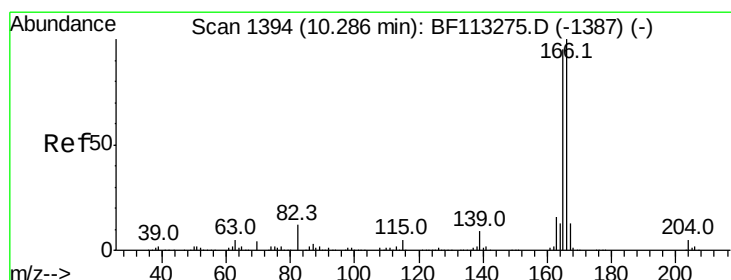
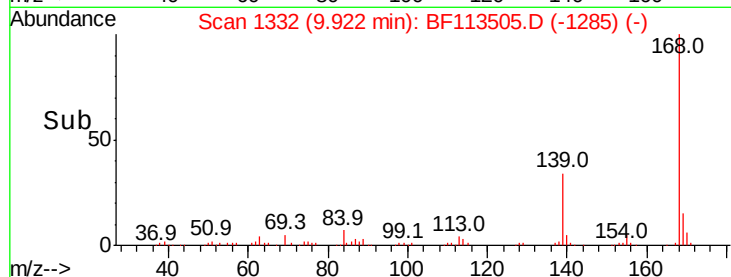
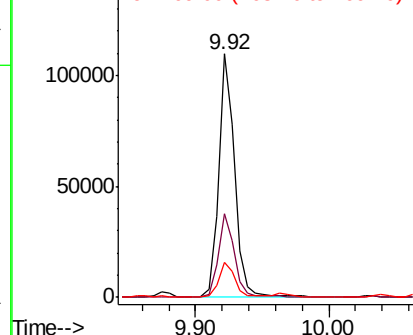


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 5.601 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

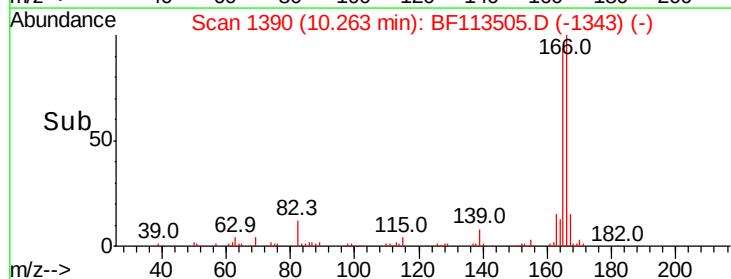
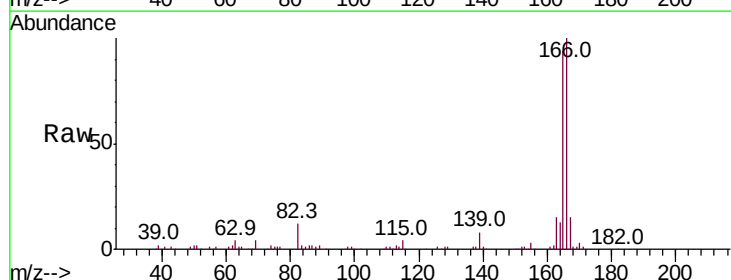
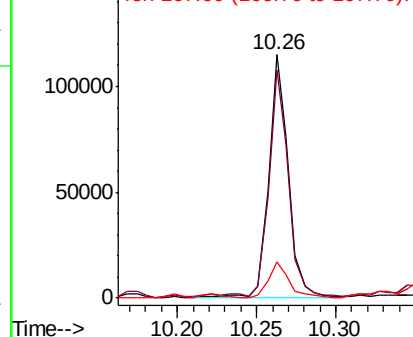
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.7	76.2	114.2
167	14.7	10.7	16.1

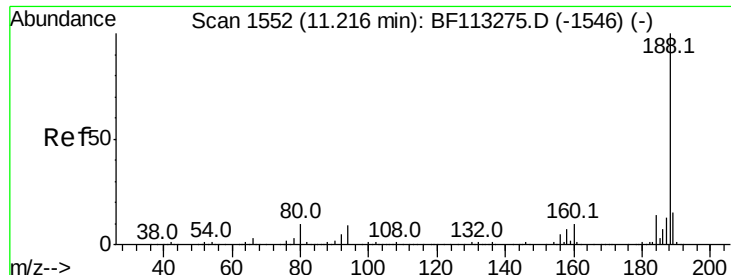
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Instrument :

BNA_F

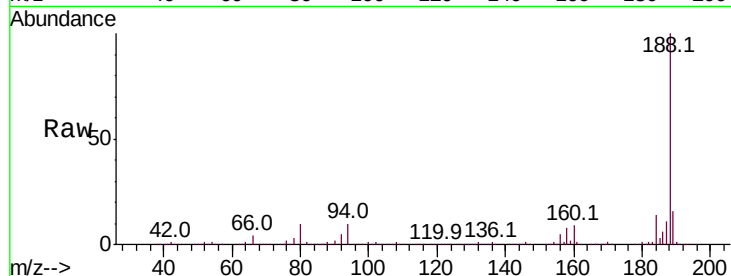
ClientSampled :

CS-5

Tot Ion:	188	Resp:	510895
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.0	10.6
80	9.9	7.7	11.5

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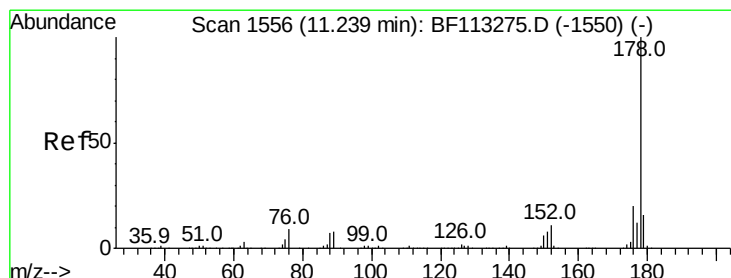
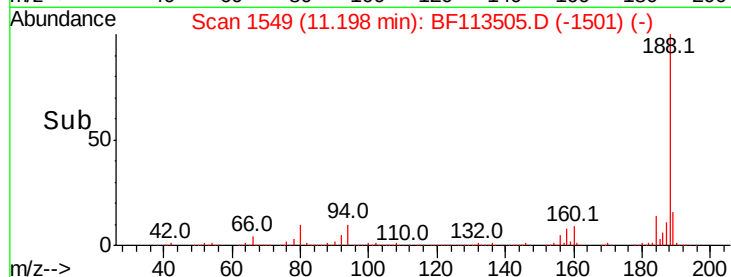
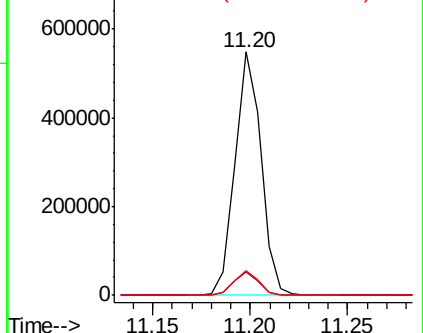
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 56.929 ng

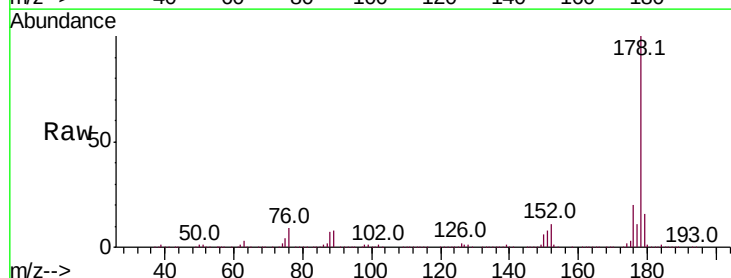
RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

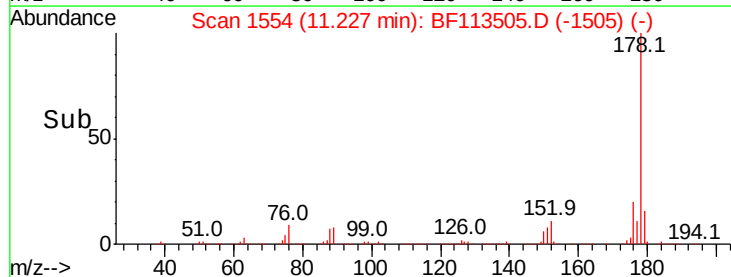
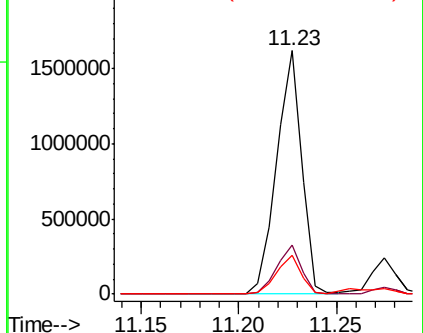
Tgt Ion:	178	Resp:	1444361
Ion Ratio	Lower	Upper	
178	100		
176	20.3	16.2	24.2
179	16.1	12.7	19.1

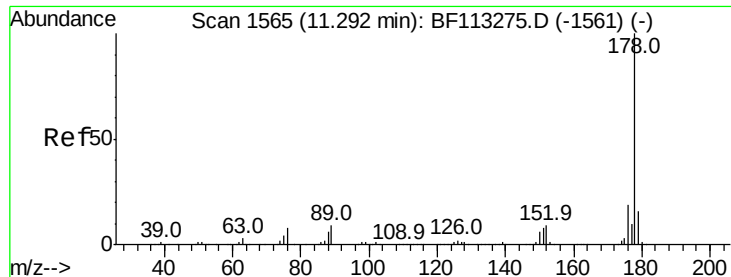


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.861 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Instrument :

BNA_F

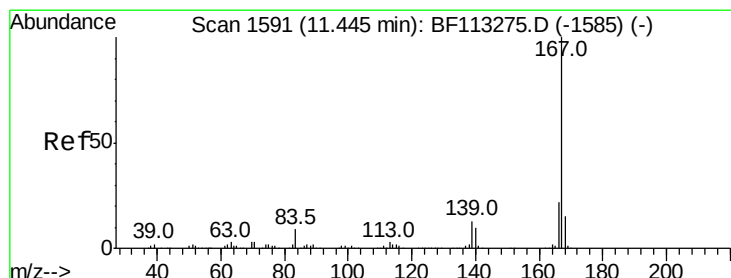
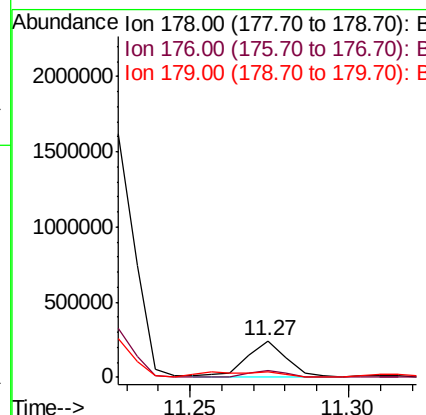
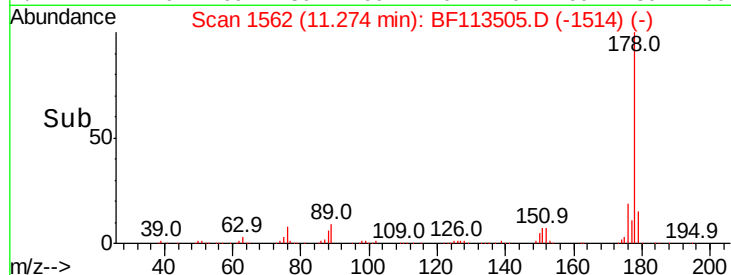
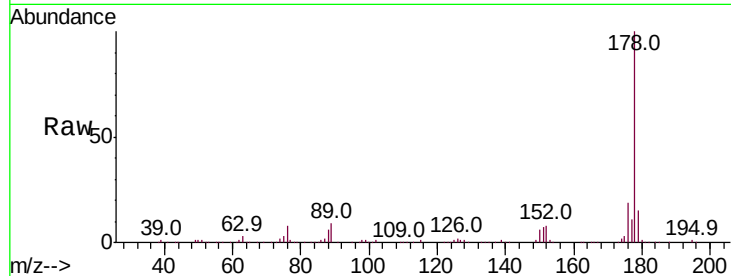
ClientSampleId :

CS-5

Tot Ion:	178	Resp:	202584
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.8	19.2

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#73

Carbazole

Concen: 13.272 ng

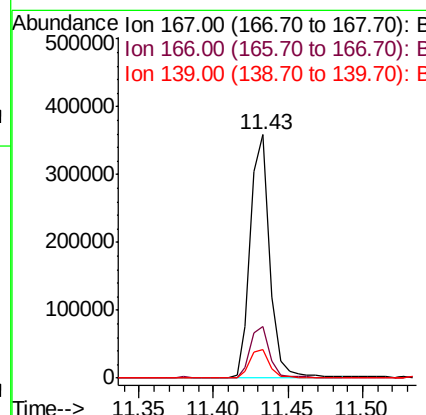
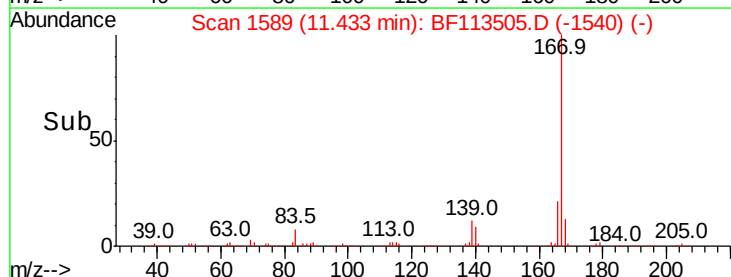
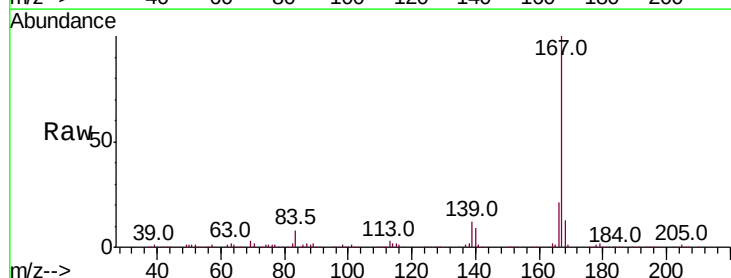
RT: 11.43 min Scan# 1589

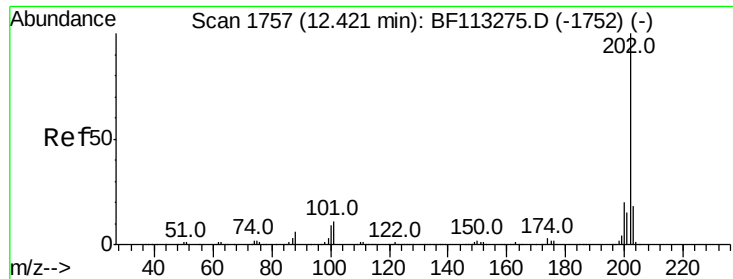
Delta R.T. -0.01 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Tgt Ion:	167	Resp:	326367
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.4	26.0
139	12.0	10.4	15.6





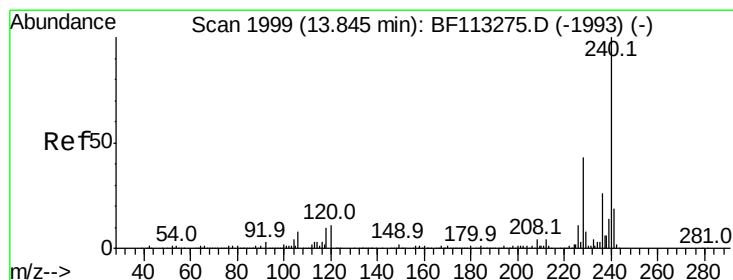
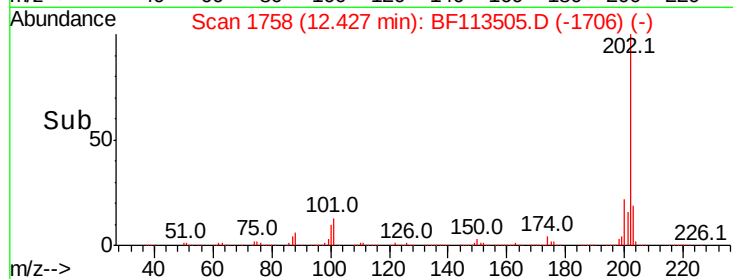
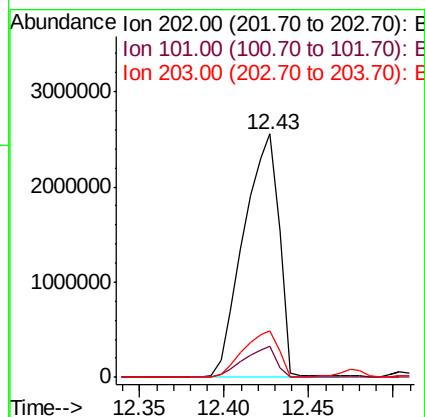
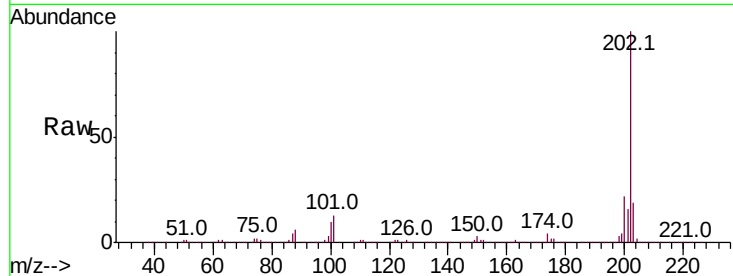
#75
Fluoranthene
Concen: 130.930 ng
RT: 12.43 min Scan# 1758
Delta R.T. 0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.4
203	19.1	0.0	38.0

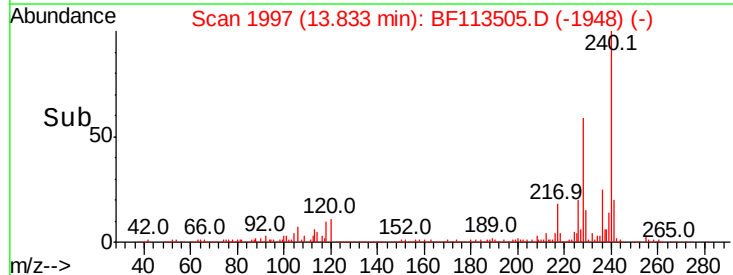
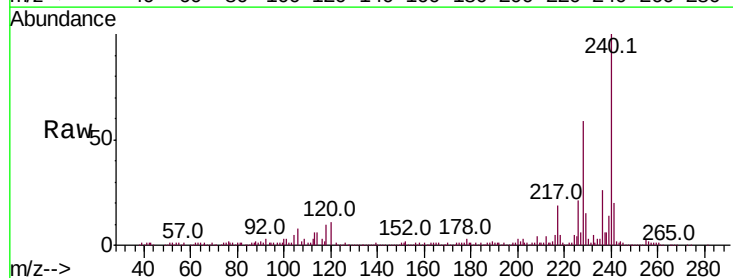
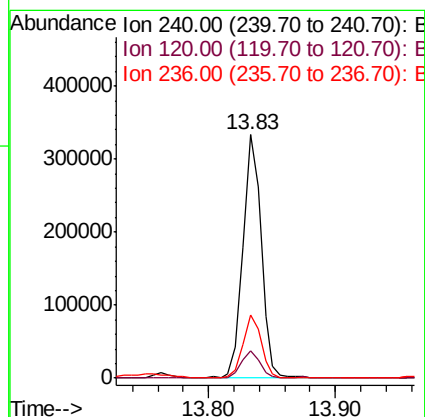
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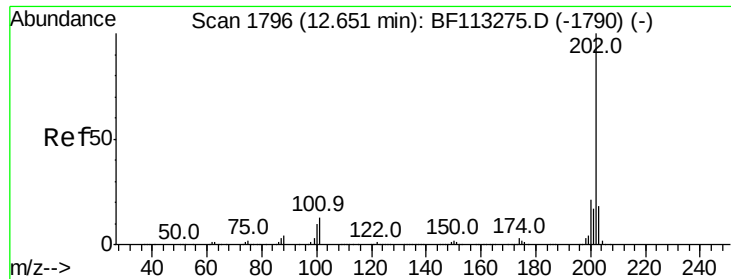
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.8	13.2
236	25.9	20.9	31.3





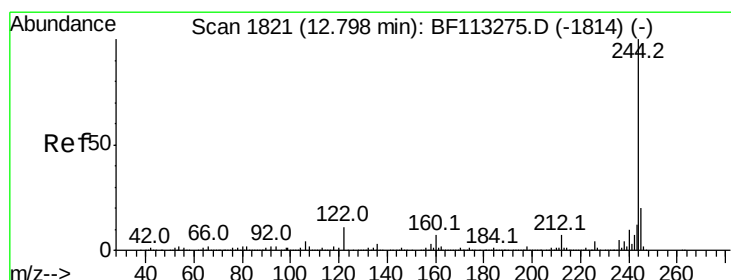
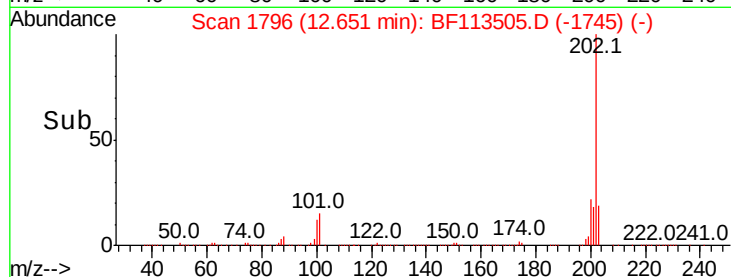
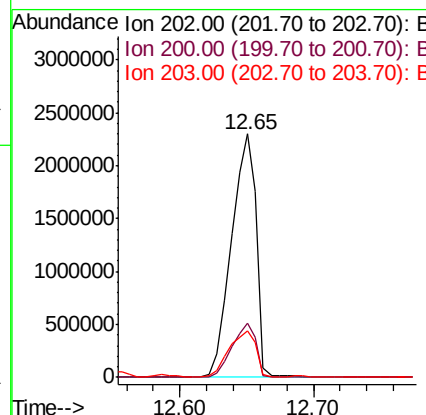
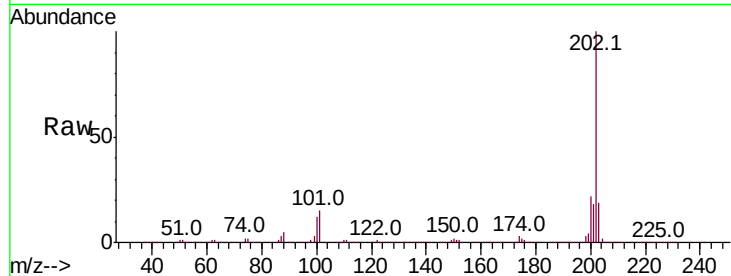
#78
Pvrene
Concen: 130.985 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampleId :
CS-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	19.2	14.4	21.6

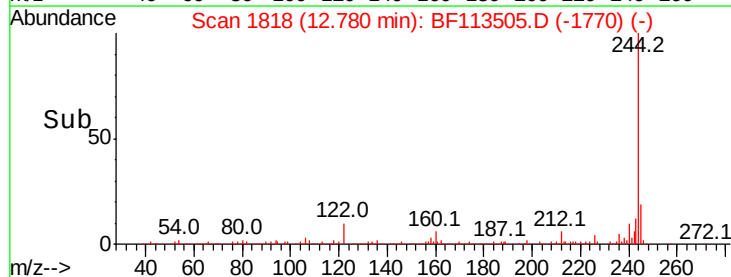
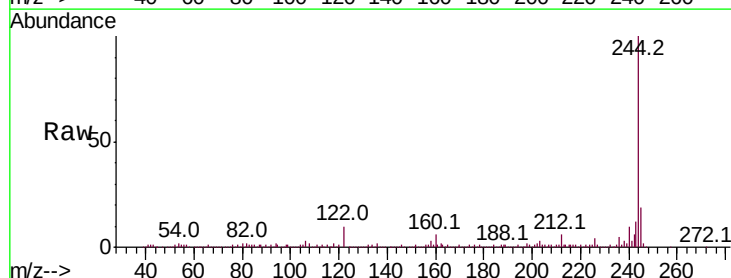
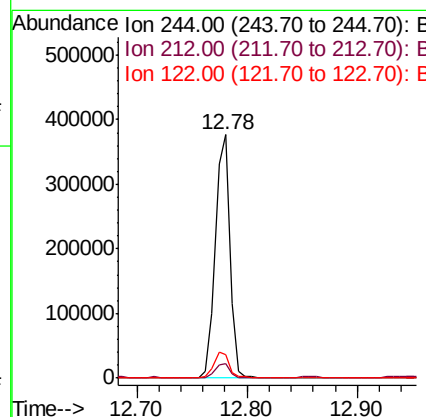
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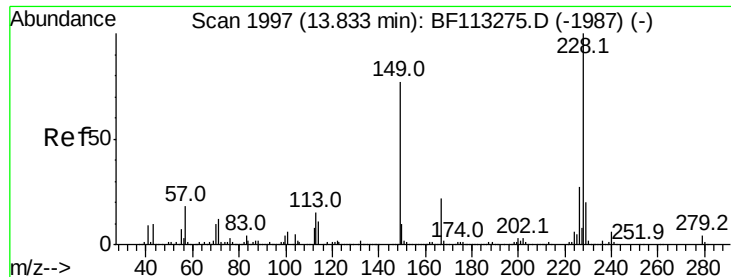
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#79
Terphenyl-d14
Concen: 22.591 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.5	8.3
122	9.6	8.6	13.0





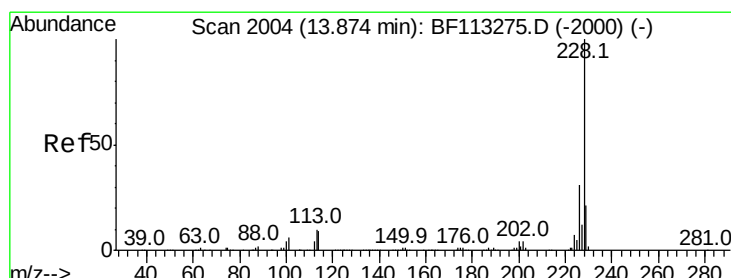
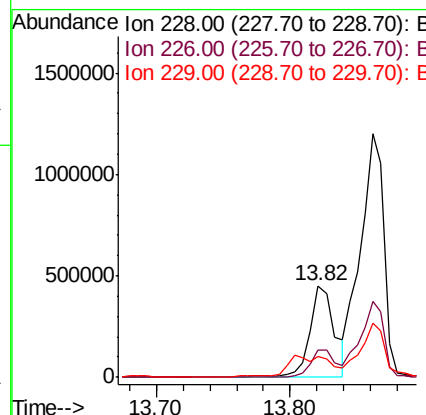
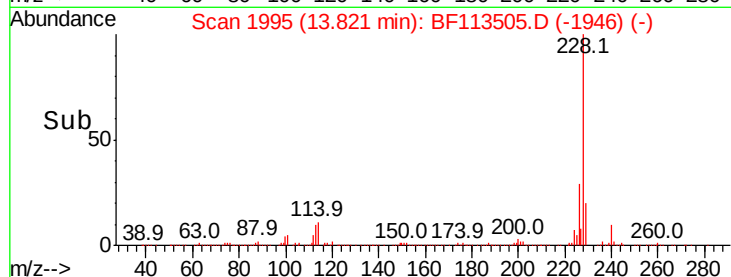
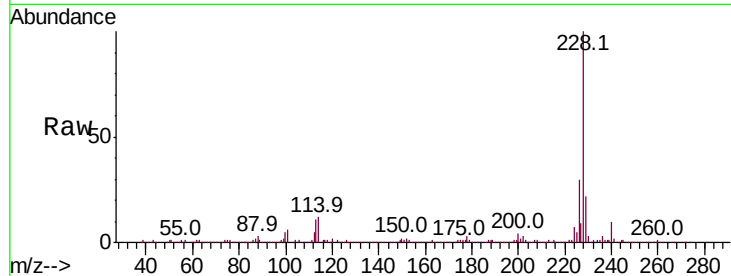
#81
Benzo(a)anthracene
Concen: 29.857 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.8	32.8
229	22.4	16.2	24.4

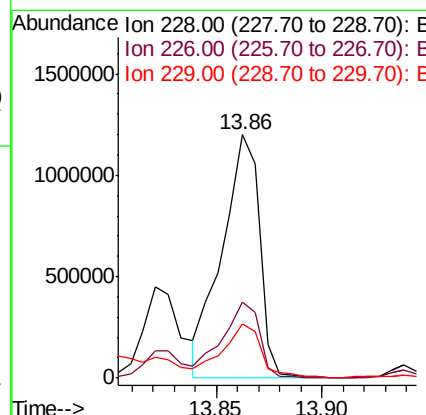
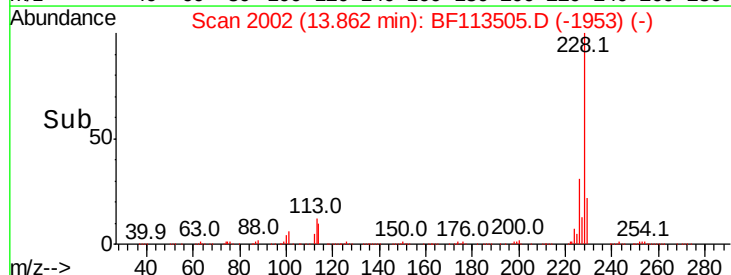
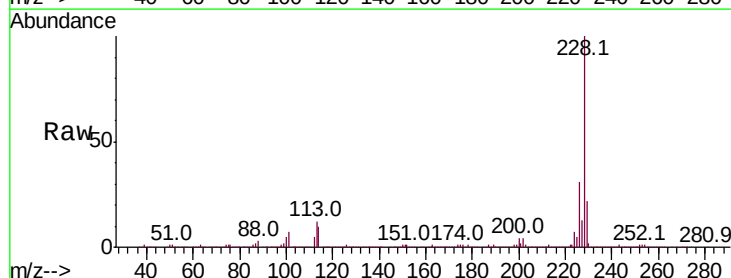
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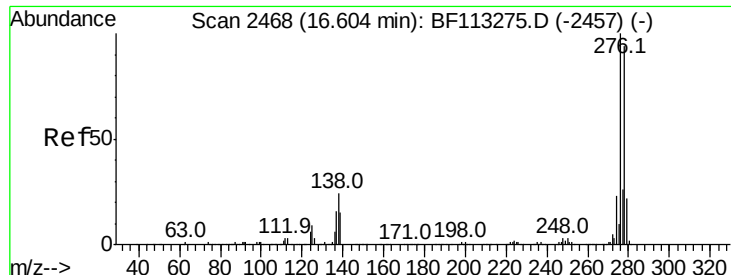
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#83
Chrysene
Concen: 76.399 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	22.4	16.3	24.5





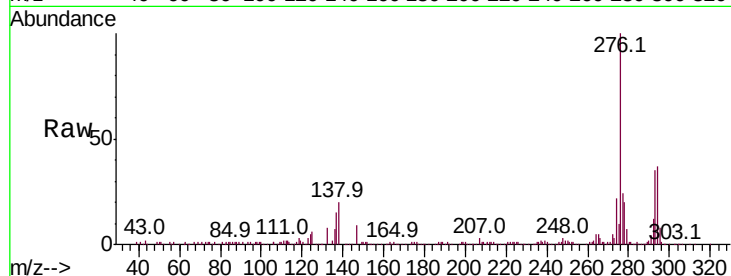
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 19.580 ng
 RT: 16.59 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BF113505.D
 Acq: 2 Apr 2019 14:59

Instrument :
 BNA_F
 ClientSampleId :
 CS-5

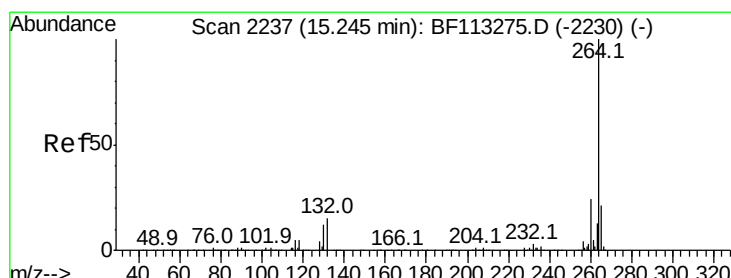
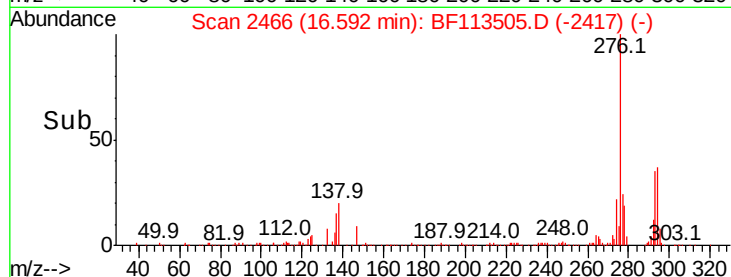
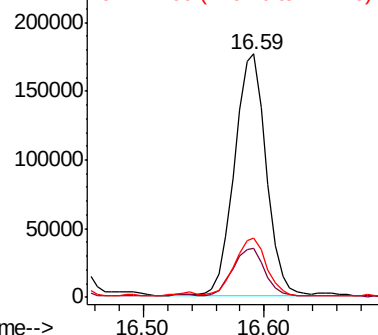
Tot Ion:	276	Resp:	322313
Ion Ratio	Lower	Upper	
276	100		
138	19.8	18.1	27.1
277	23.9	20.2	30.4

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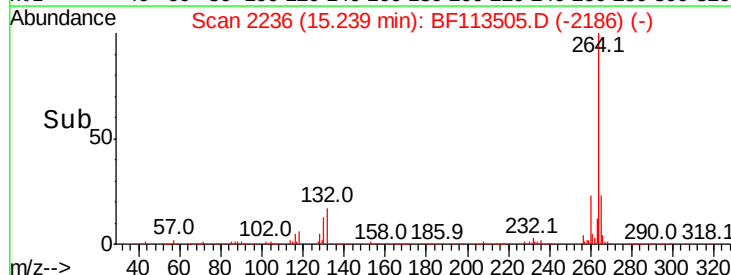
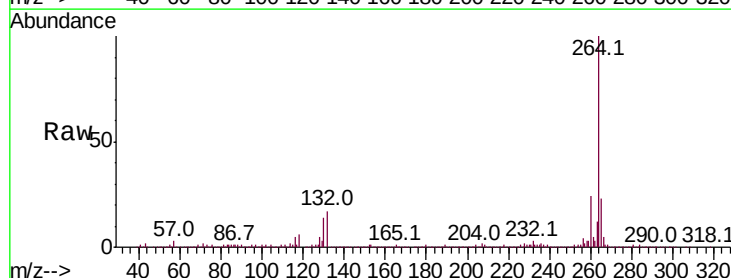
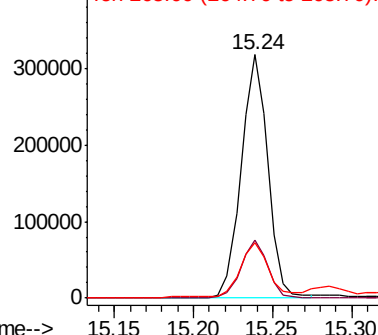
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

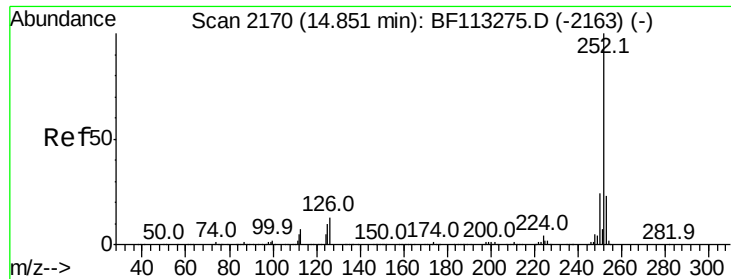


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113505.D
 Acq: 2 Apr 2019 14:59

Tgt Ion:	264	Resp:	373055
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.1	28.7
265	23.0	17.1	25.7

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





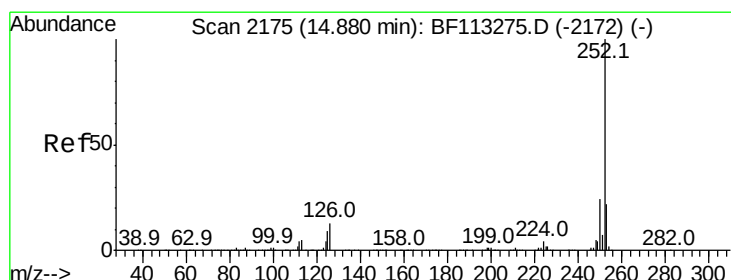
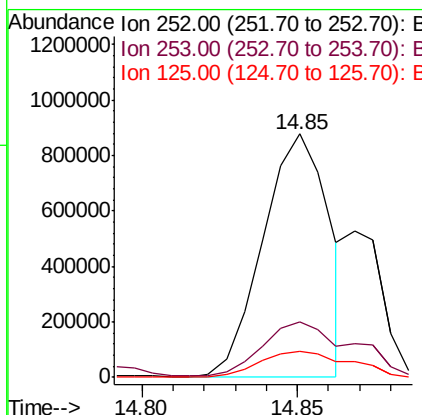
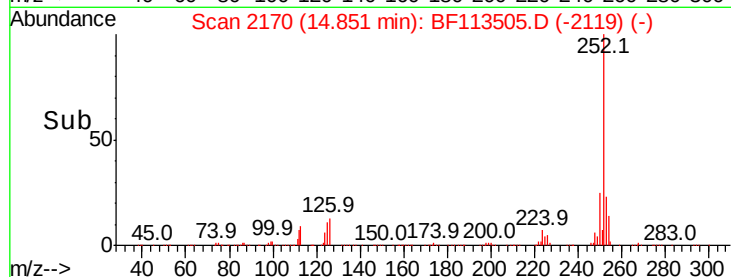
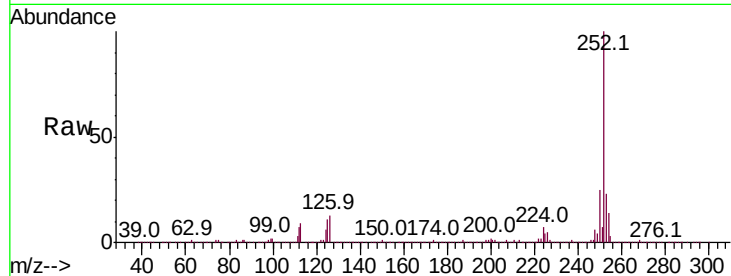
#88
Benzo(b)fluoranthene
Concen: 55.914 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.8	7.6	11.4

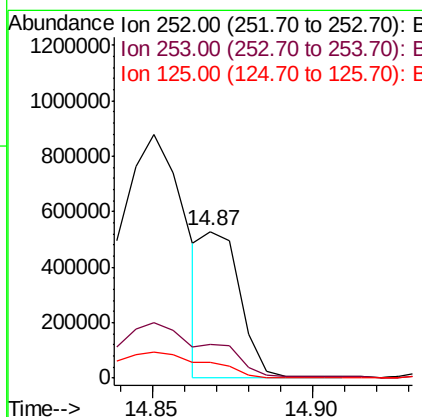
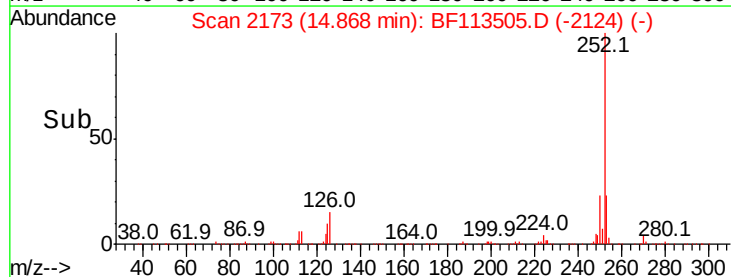
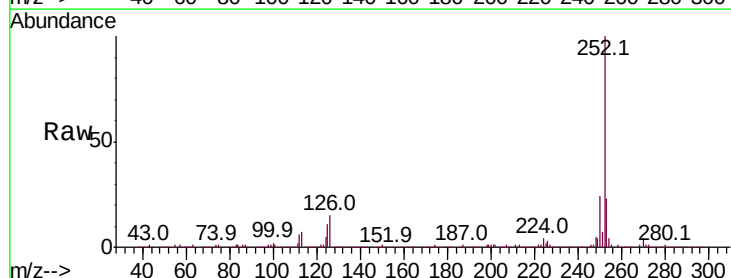
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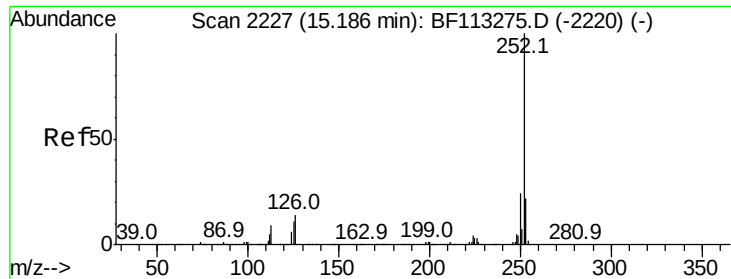
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#89
Benzo(k)fluoranthene
Concen: 21.278 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.7	7.3	10.9





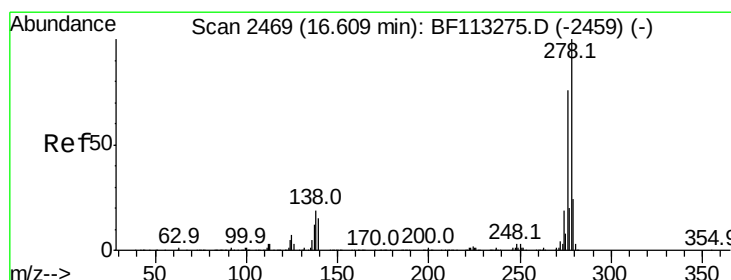
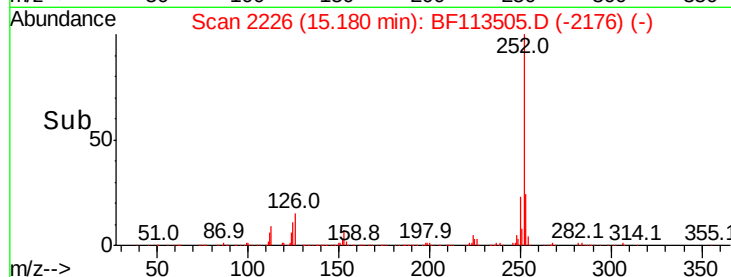
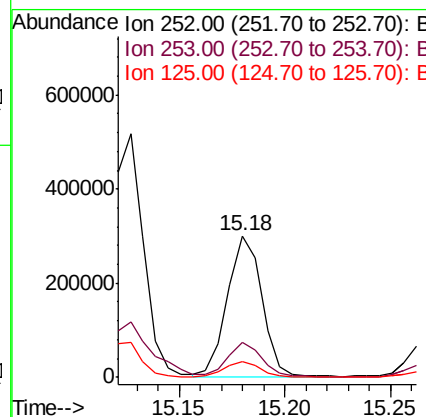
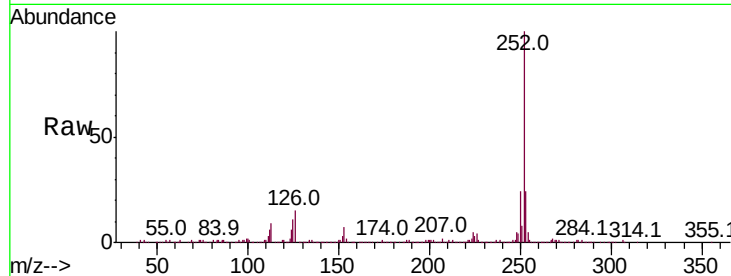
#90
Benzo(a)pyrene
Concen: 16.345 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Instrument :
BNA_F
ClientSampled :
CS-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	11.4	8.8	13.2

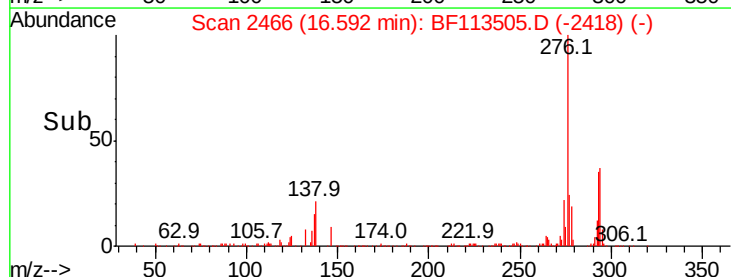
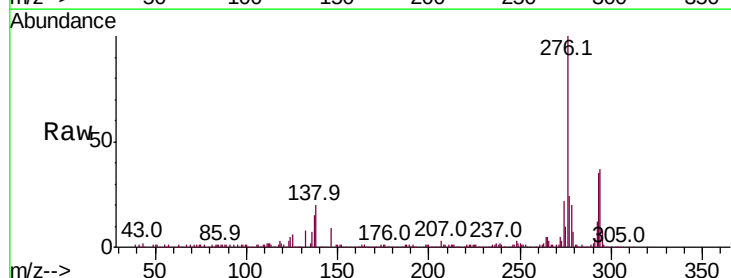
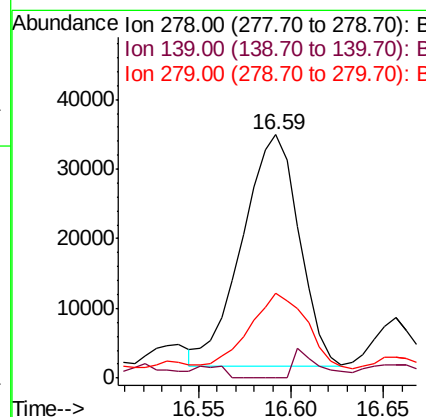
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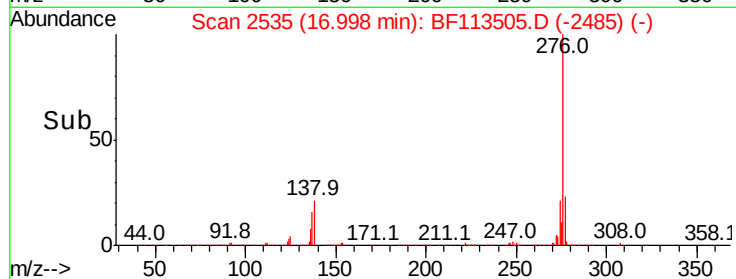
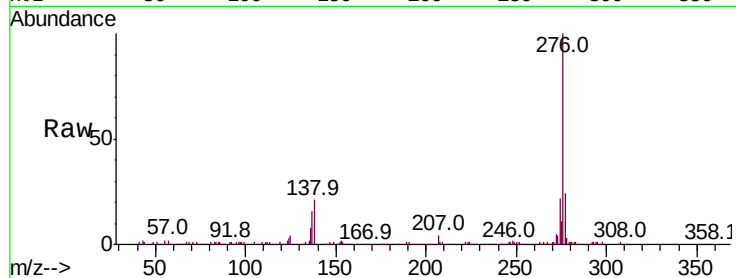
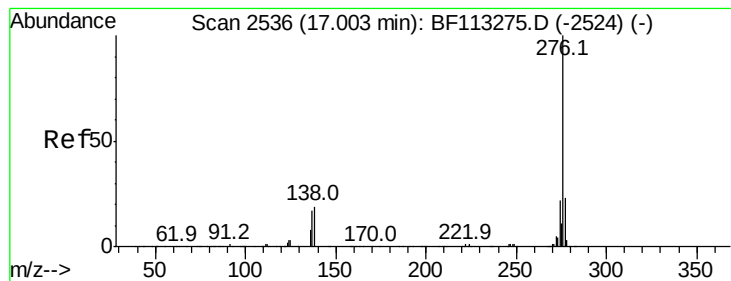
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#91
Dibenzo(a,h)anthracene
Concen: 4.014 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF113505.D
Acq: 2 Apr 2019 14:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	35.0	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 15.438 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF113505.D

Acq: 2 Apr 2019 14:59

Instrument :

BNA_F

ClientSampleId :

CS-5

Tot Ion:	276	Resp:	276517
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.8	28.2
138	21.1	15.6	23.4

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