

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113315.D
 Acq On : 27 Mar 2019 2:46
 Operator : JU/SJ
 Sample : K2078-01RE 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Manual Integrations
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 3/27/2019 4:49:56 PM

Quant Time: Mar 27 08:28:51 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	6.70	152	160582	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	590904	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	250345	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	410892	20.00	ng	0.00
76) Chrysene-d12	13.83	240	405724	20.00	ng	-0.01
87) Perylene-d12	15.24	264	402565	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	83044	8.46	ng	0.00
7) Phenol-d6	6.34	99	421676	33.94	ng	-0.02
23) Nitrobenzene-d5	7.26	82	330339	33.18	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	12969	4.19	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	620959	26.80	ng	0.00
79) Terphenyl-d14	12.79	244	523147	28.42	ng	-0.01
Target Compounds						
71) Phenanthrene	11.23	178	241683	11.844	ng	Qvalue 98
72) Anthracene	11.29	178	60579	2.923	ng	98
75) Fluoranthene	12.42	202	280938	12.179	ng	99
78) Pyrene	12.64	202	252924	8.996	ng	98
81) Benzo(a)anthracene	13.83	228	131315	5.654	ng	98
83) Chrysene	13.86	228	126518	5.363	ng	97
86) Indeno(1,2,3-cd)pyrene	16.59	276	55176	2.725	ng	98
88) Benzo(b)fluoranthene	14.84	252	158676m	6.345	ng	
90) Benzo(a)pyrene	15.18	252	103582	4.672	ng	# 93
92) Benzo(g,h,i)perylene	17.00	276	52001	2.690	ng	# 94

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

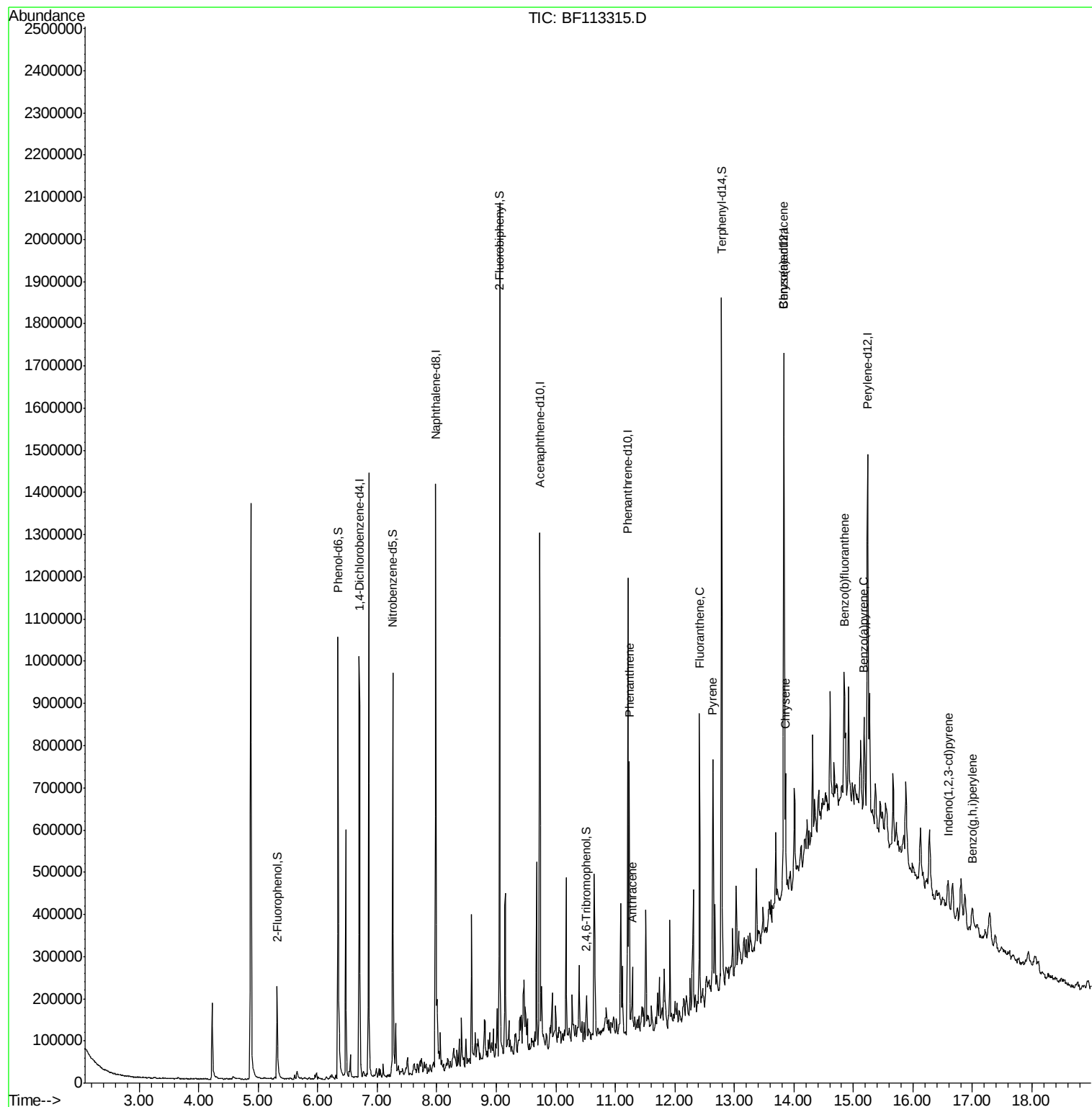
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
Data File : BF113315.D
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#1

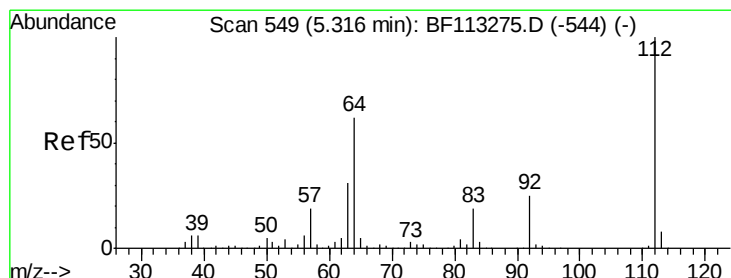
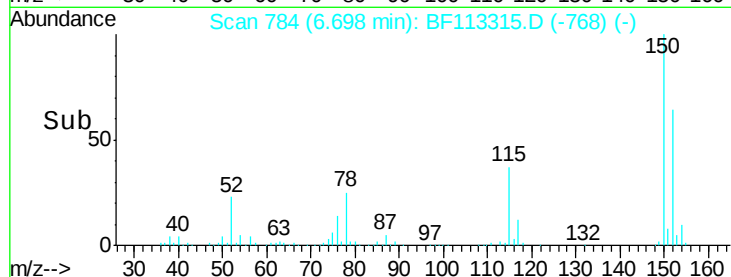
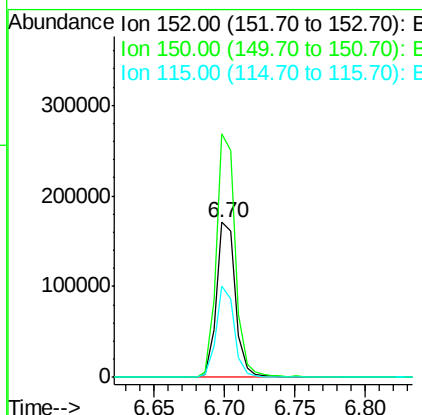
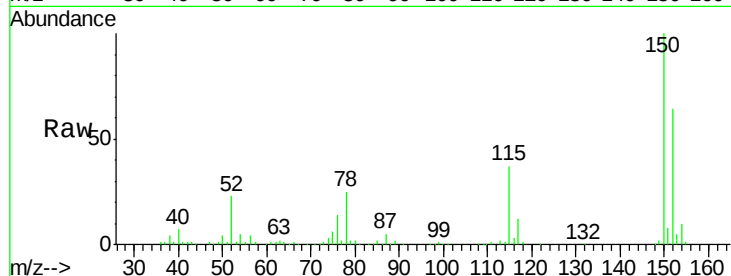
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.7	187.1
115	58.7	46.0	69.0

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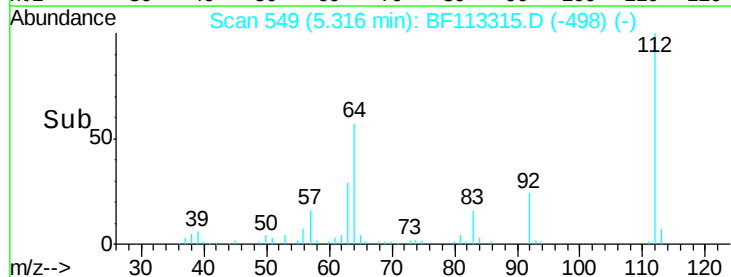
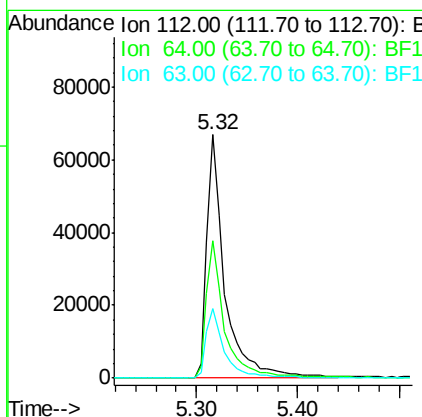
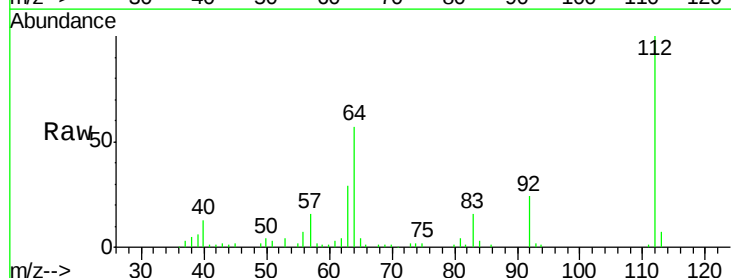
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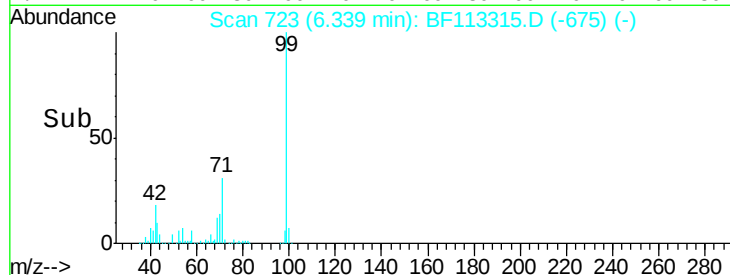
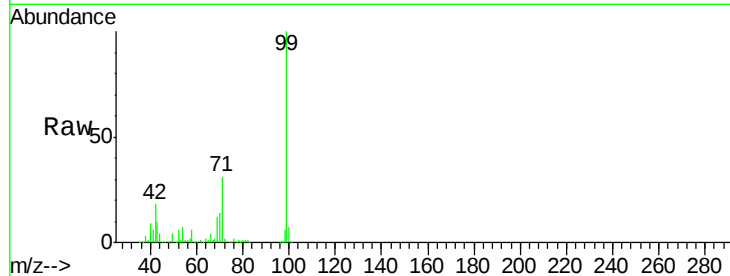


#5

2-Fluorophenol
Concen: 8.456 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	49.2	73.8
63	28.7	24.9	37.3





#7

Phenol-d6

Concen: 33.941 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Tgt Ion:	99	Resp:	421676
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.8	22.2
71	31.0	24.9	37.3

Instrument :

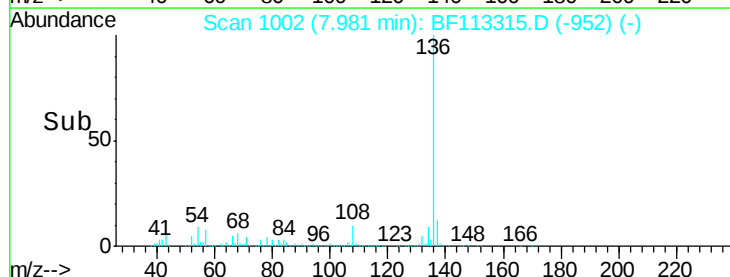
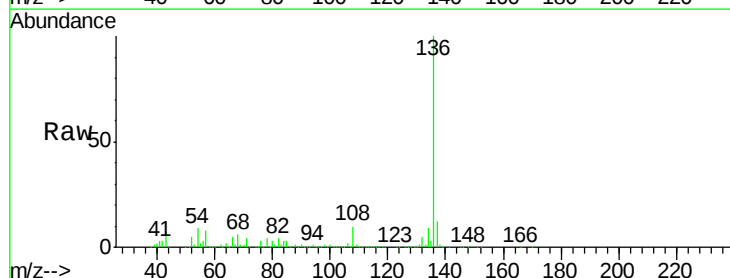
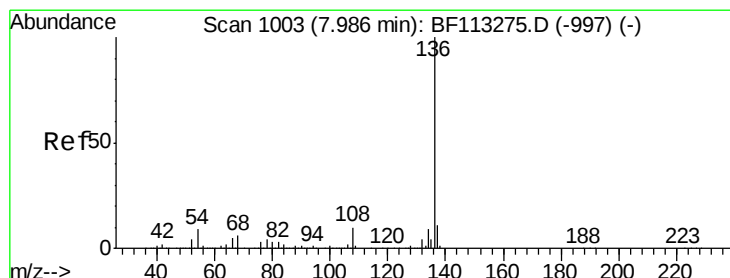
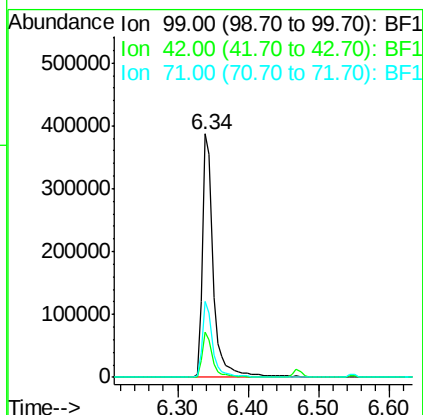
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

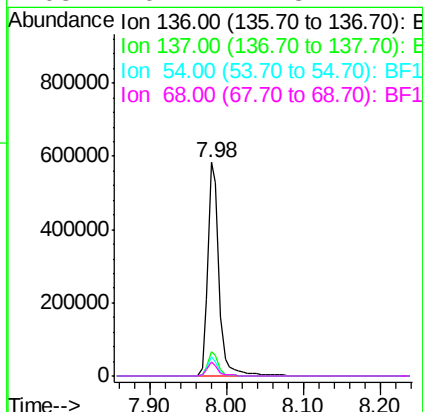
RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Tgt Ion:	136	Resp:	590904
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	8.8	7.0	10.6
68	6.4	4.8	7.2





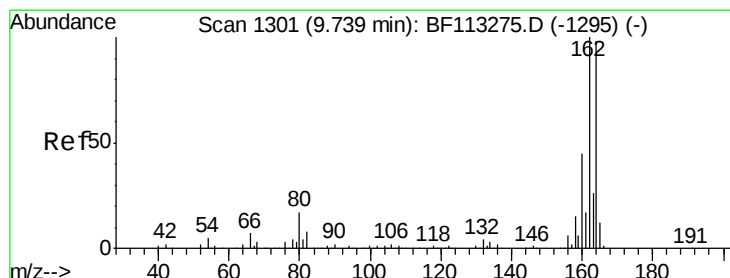
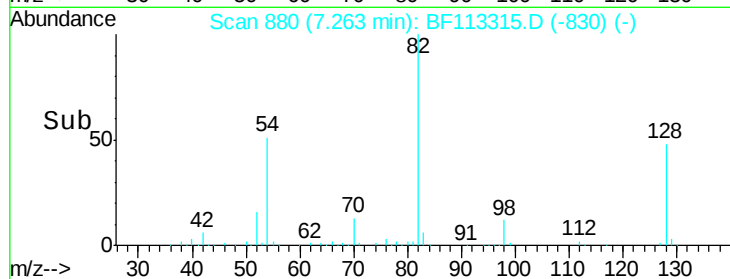
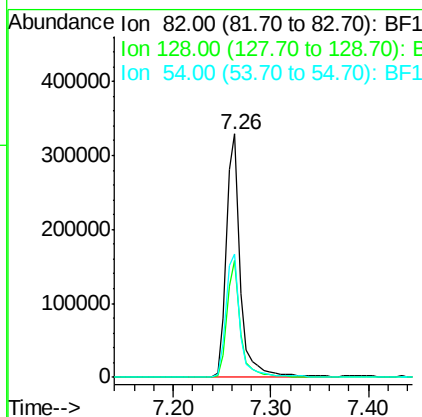
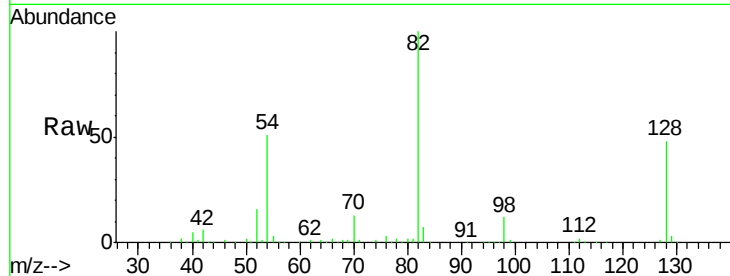
#23
 Nitrobenzene-d5
 Concen: 33.181 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	330339		
128	47.9	36.5	54.7	
54	50.5	42.2	63.2	

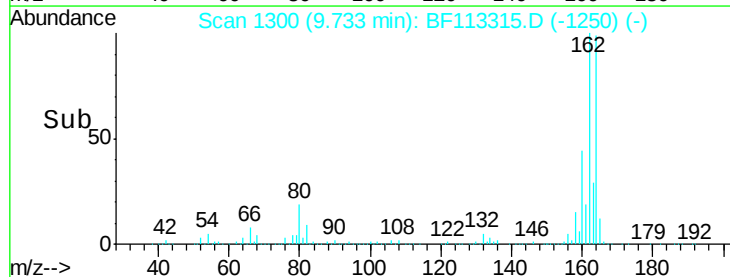
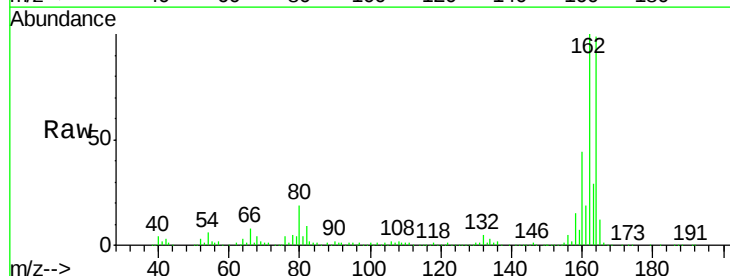
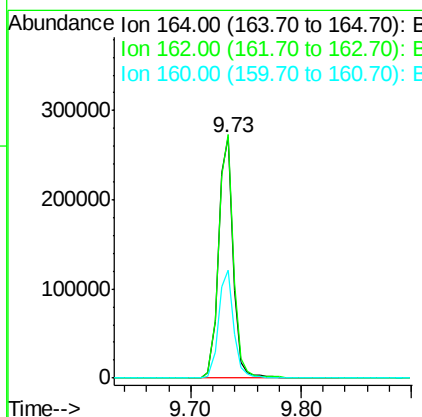
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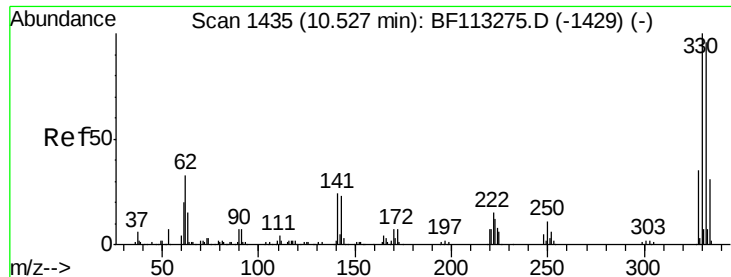
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	250345		
162	101.2	81.8	122.6	
160	44.8	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 4.194 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

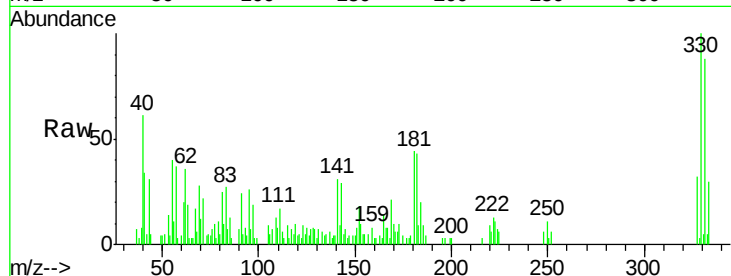
ClientSampleId :

FK-SF-01-005-ARE

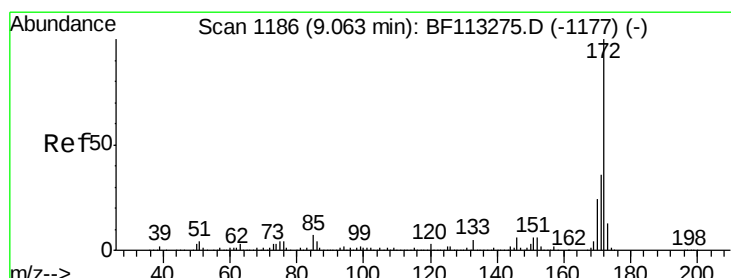
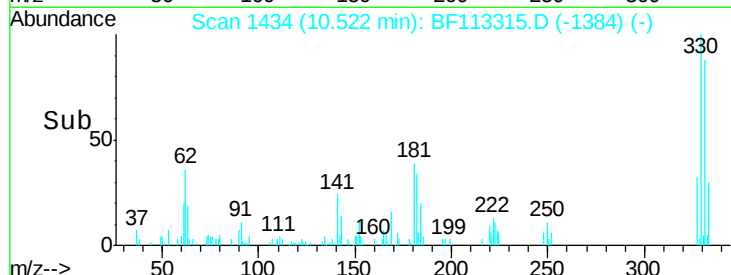
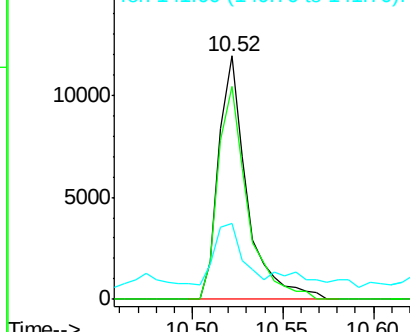
Tgt Ion:	330	Resp:	12969
Ion Ratio	Lower	Upper	
330	100		
332	90.7	77.8	116.6
141	23.4	22.7	34.1

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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: 26.801 ng

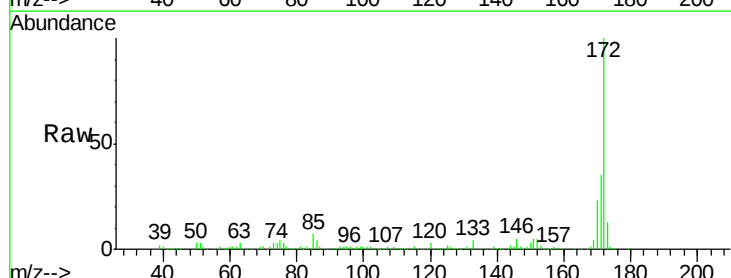
RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

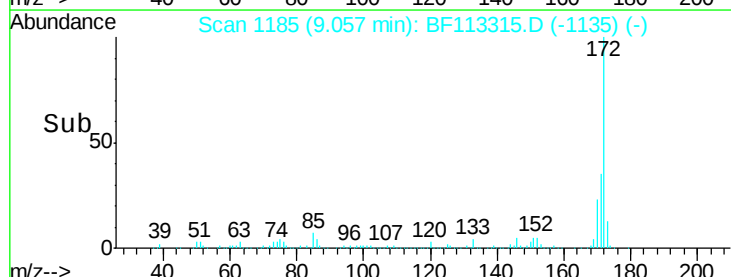
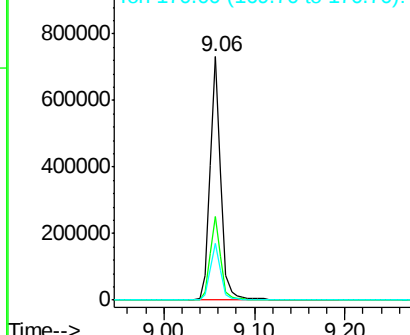
Lab File: BF113315.D

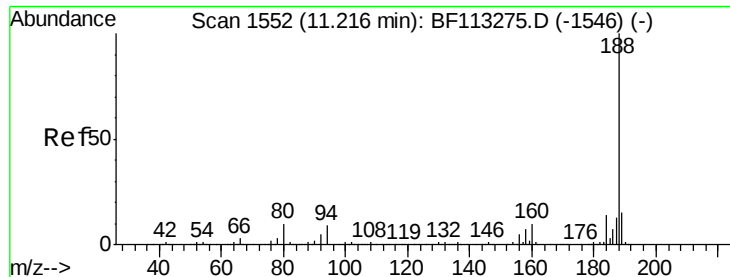
Acq: 27 Mar 2019 2:46

Tgt Ion:	172	Resp:	620959
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.0	43.6
170	23.1	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





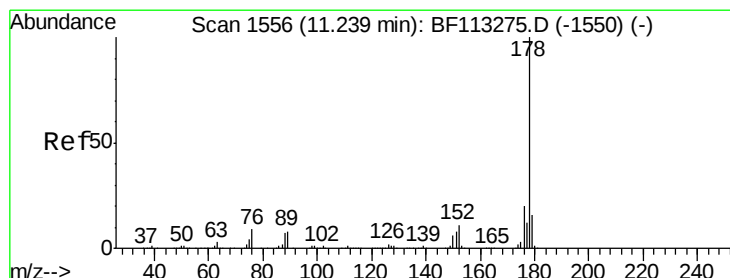
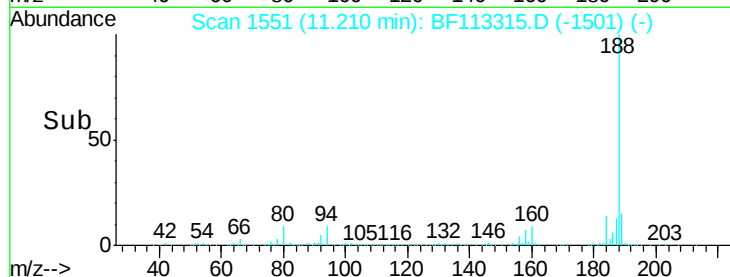
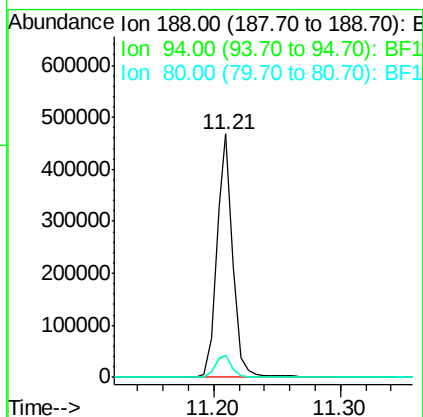
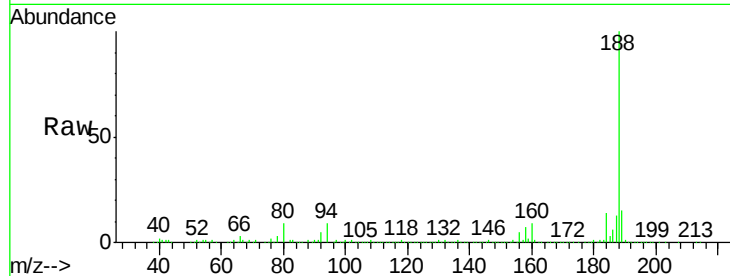
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	410892		
94	8.9	7.0	10.6	
80	9.1	7.7	11.5	

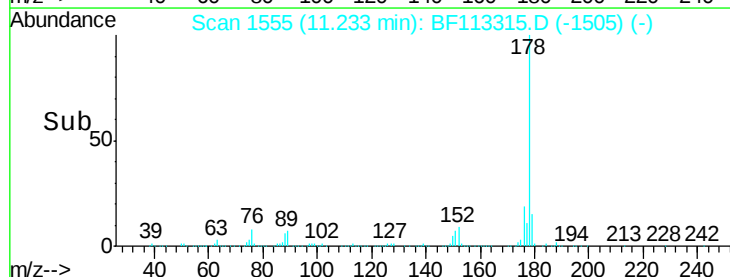
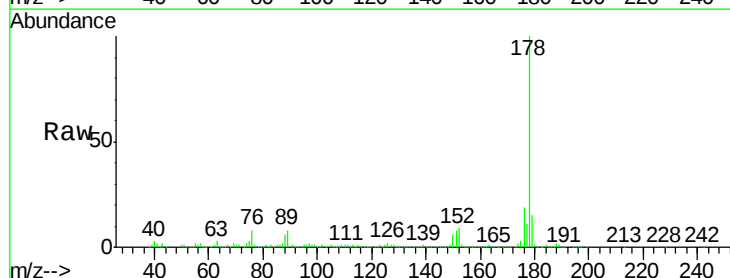
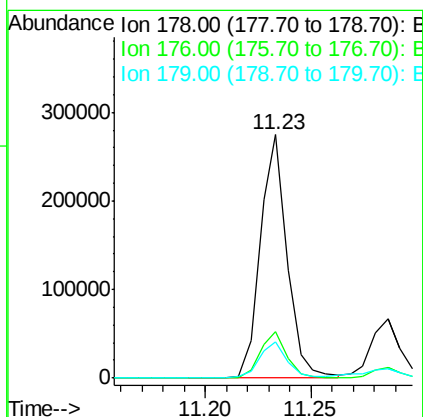
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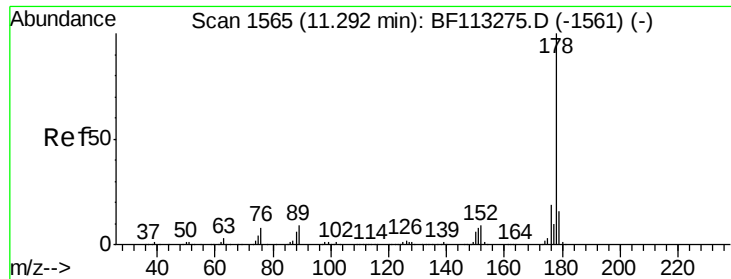
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#71
Phenanthrene
Concen: 11.844 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	241683		
176	19.2	16.2	24.2	
179	14.8	12.7	19.1	





#72

Anthracene

Concen: 2.923 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

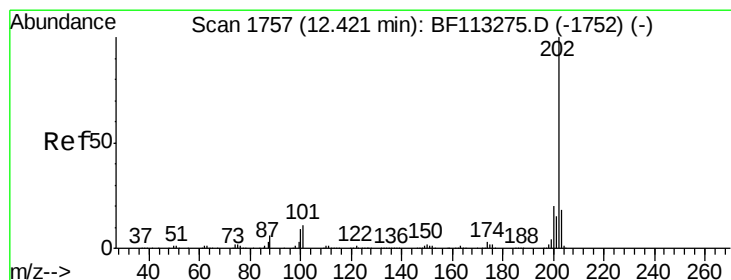
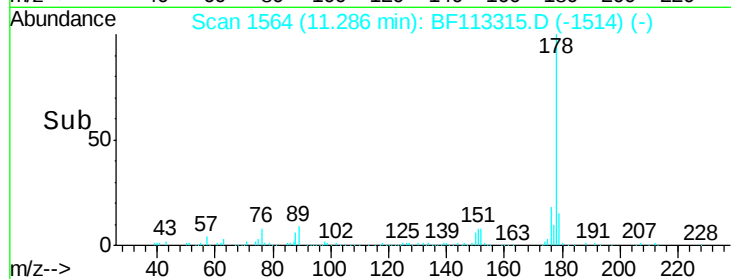
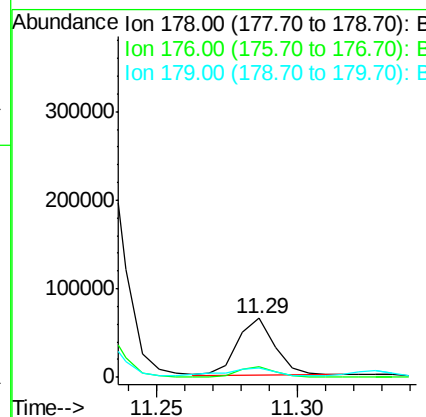
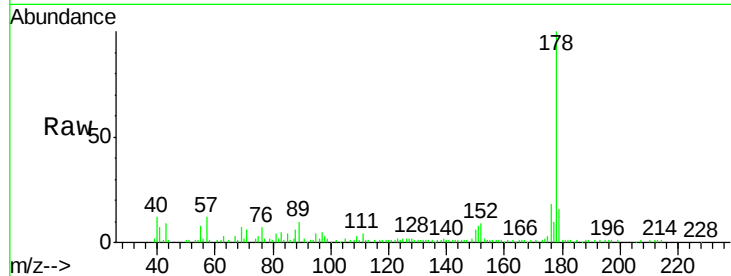
ClientSampleId :

FK-SF-01-005-ARE

Tgt Ion:	178	Resp:	60579
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	15.8	12.8	19.2

Manual Integrations
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#75

Fluoranthene

Concen: 12.179 ng

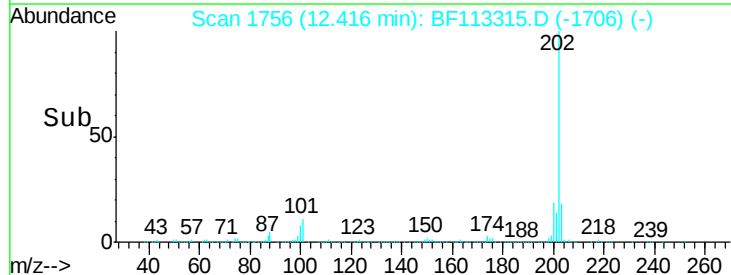
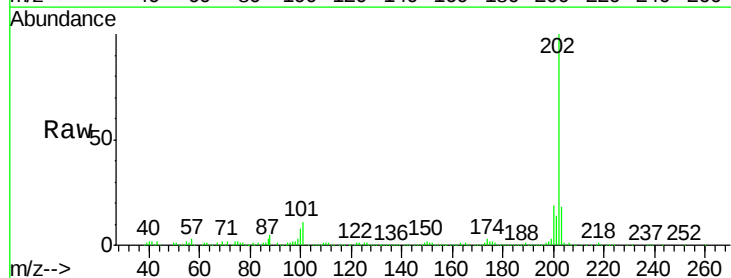
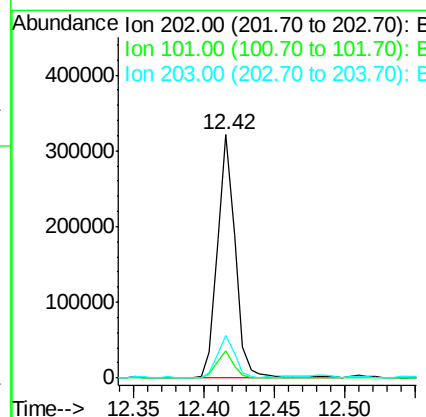
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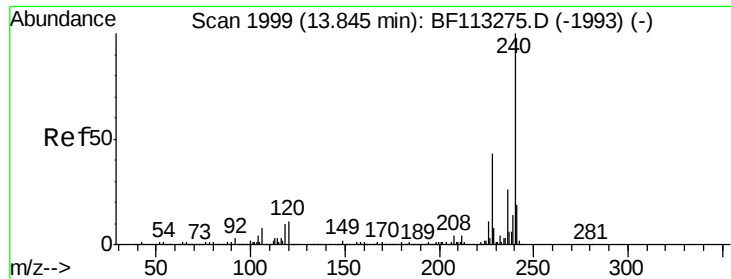
Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Tgt Ion:	202	Resp:	280938
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.4
203	17.7	0.0	38.0





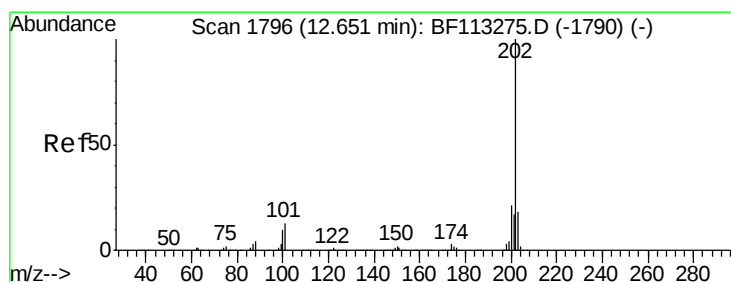
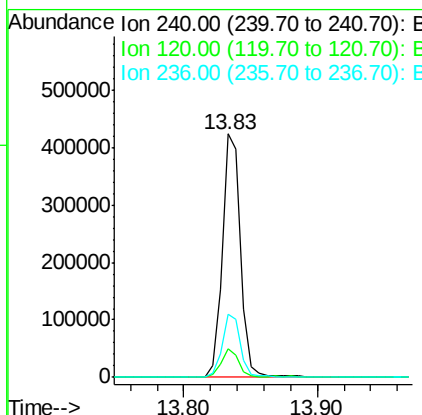
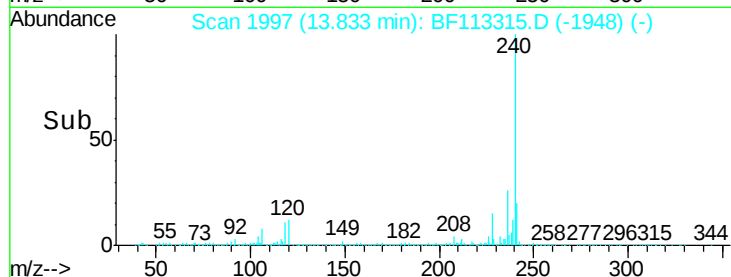
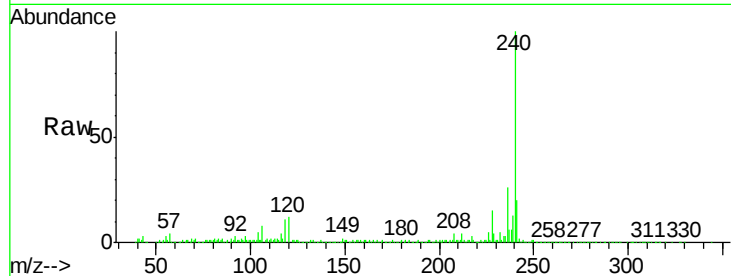
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.8	13.2
236	25.9	20.9	31.3

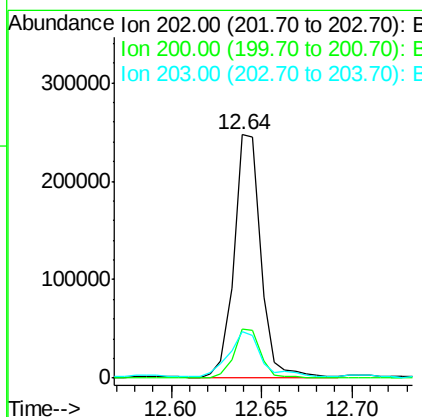
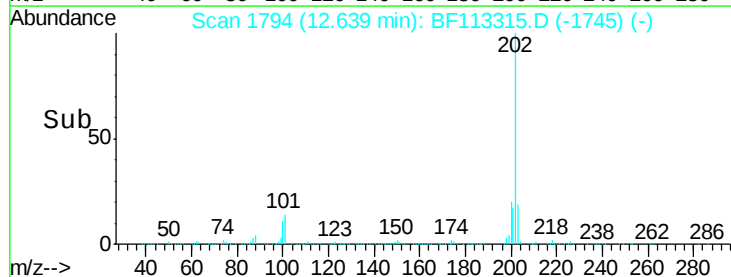
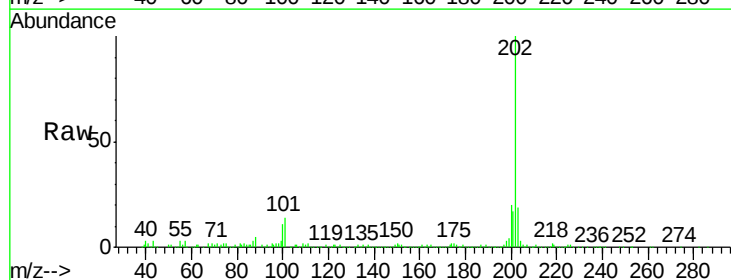
Manual Integrations
APPROVED

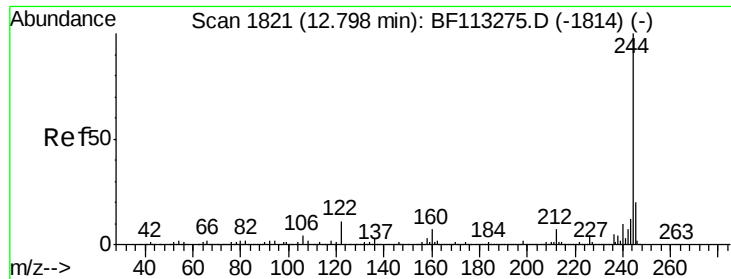
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#78
Pyrene
Concen: 8.996 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	19.2	14.4	21.6





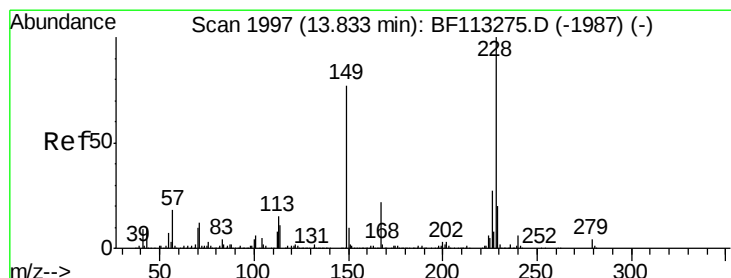
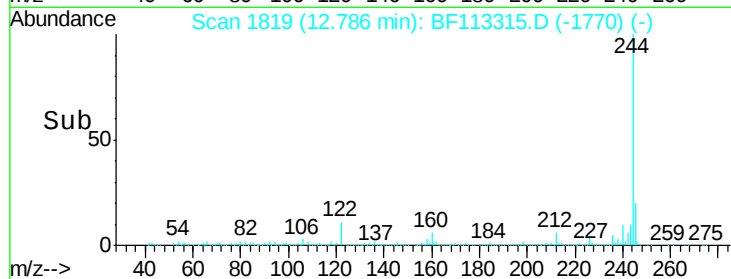
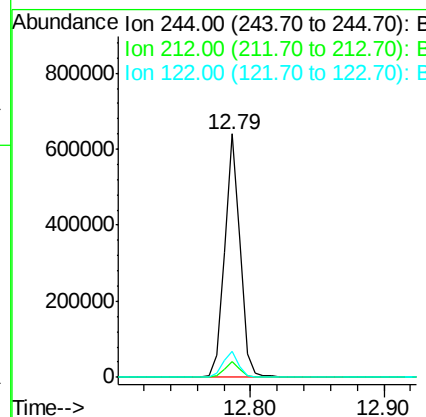
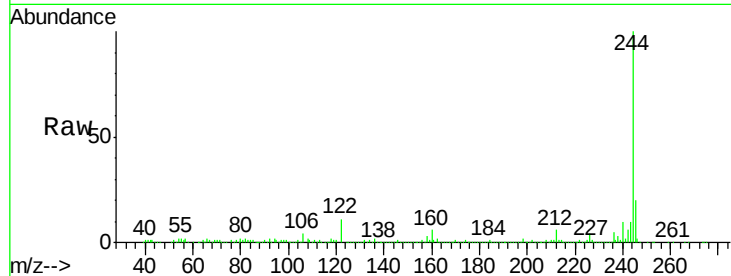
#79
 Terphenyl-d14
 Concen: 28.421 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	10.7	8.6	13.0

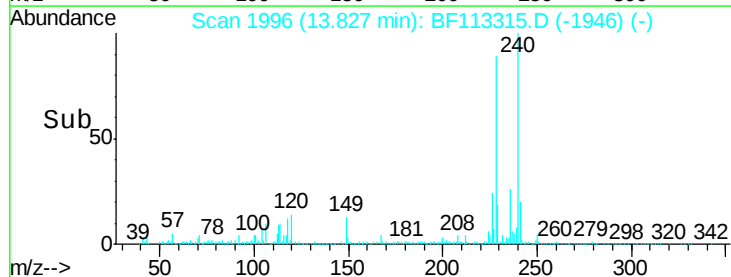
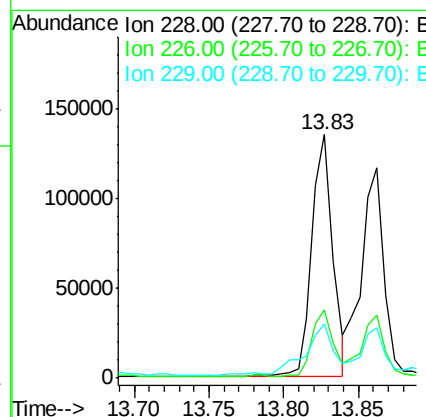
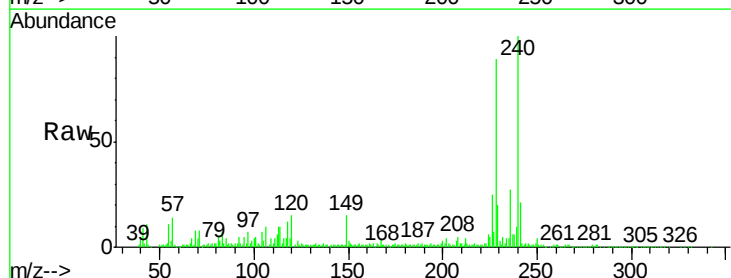
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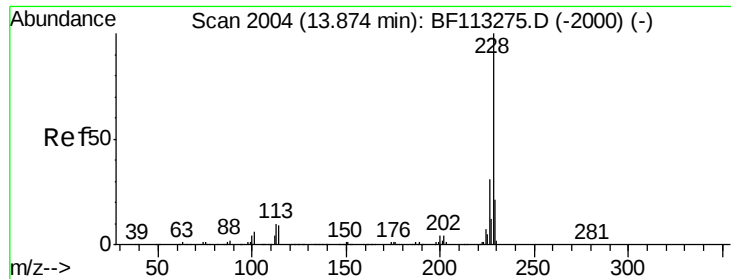
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#81
 Benzo(a)anthracene
 Concen: 5.654 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	22.1	16.2	24.4





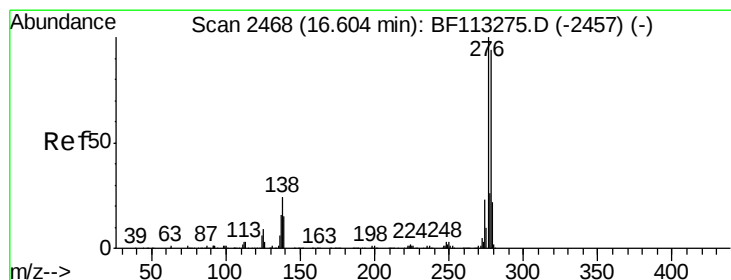
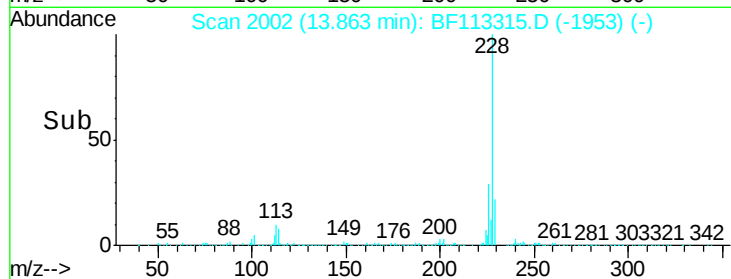
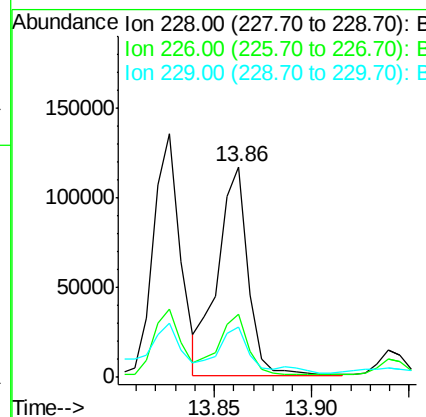
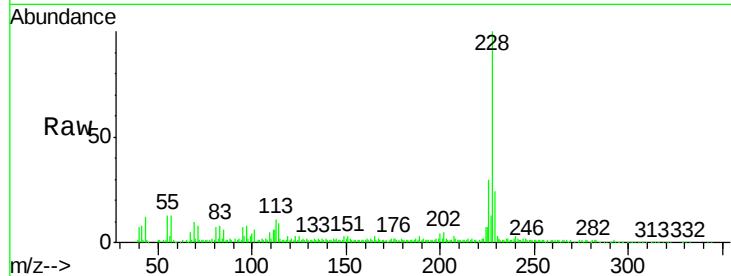
#83
Chrysene
Concen: 5.363 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	126518		
226	30.1	24.3	36.5	
229	23.9	16.3	24.5	

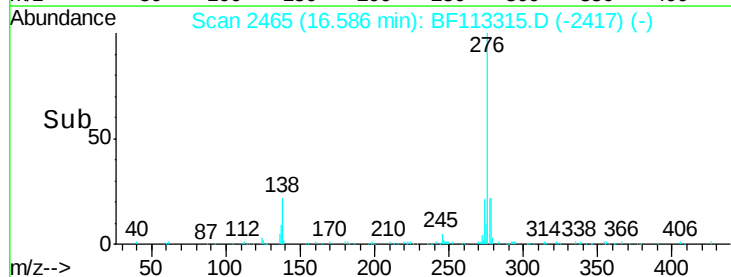
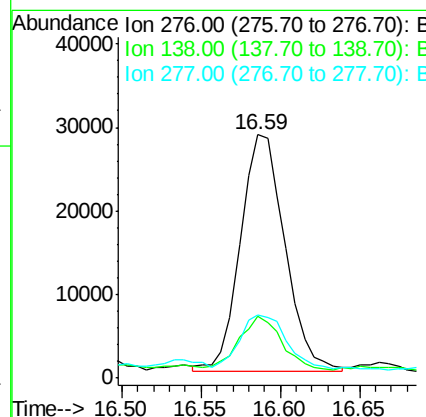
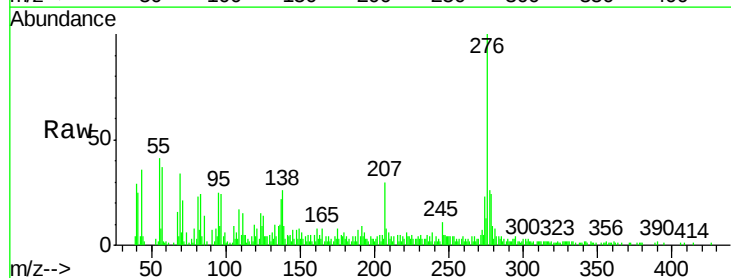
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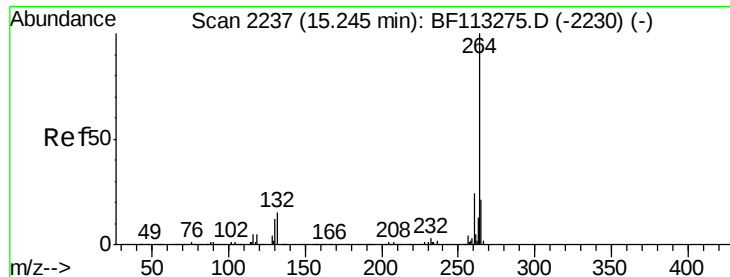
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.725 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	55176		
138	22.0	18.1	27.1	
277	23.5	20.2	30.4	





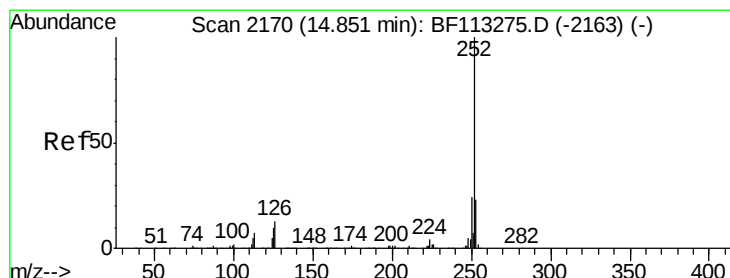
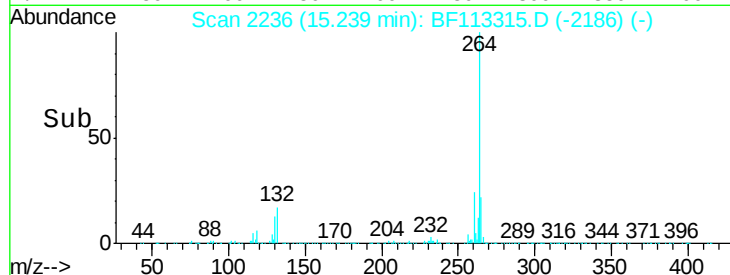
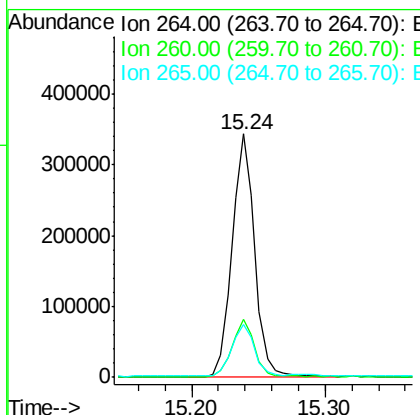
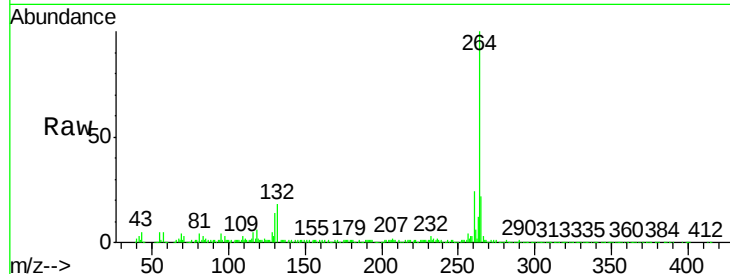
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	402565		
260	23.9	19.1	28.7	
265	22.0	17.1	25.7	

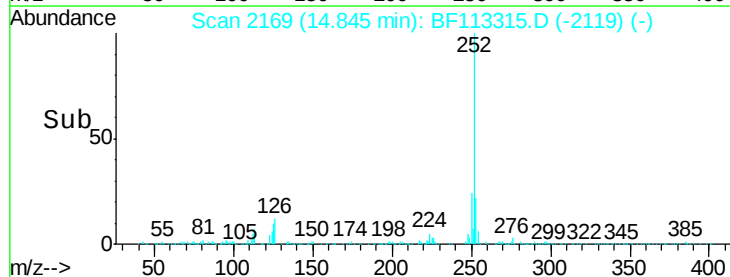
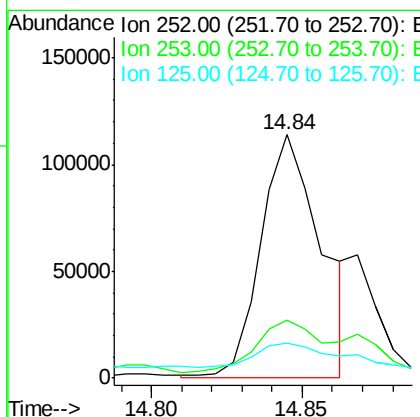
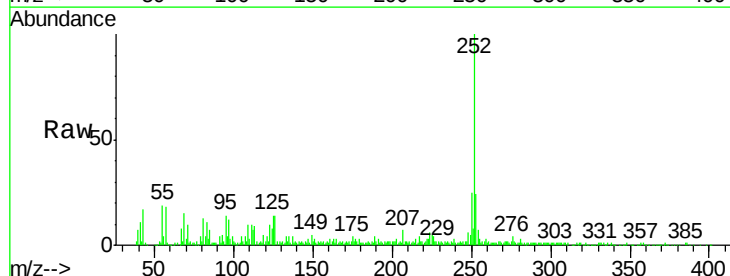
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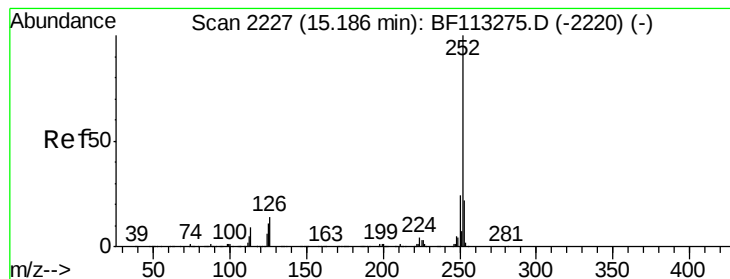
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#88
Benzo(b)fluoranthene
Concen: 6.345 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	158676		
253	23.6	18.0	27.0	
125	14.2	7.6	11.4	





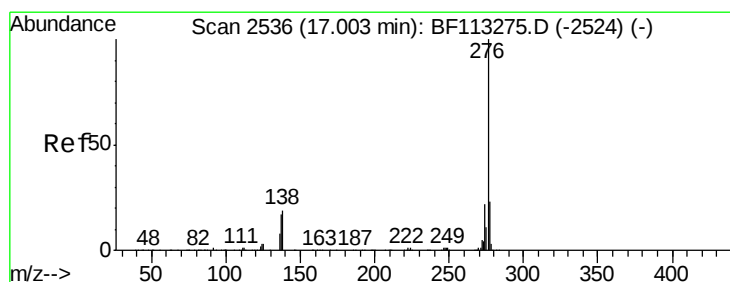
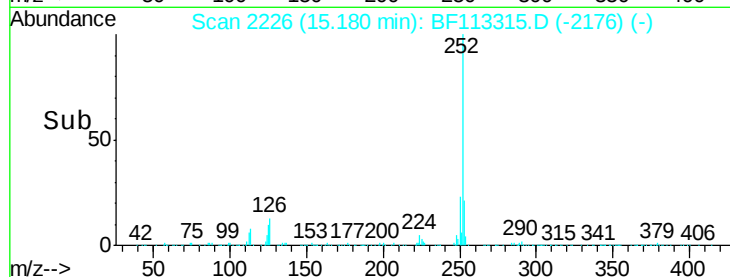
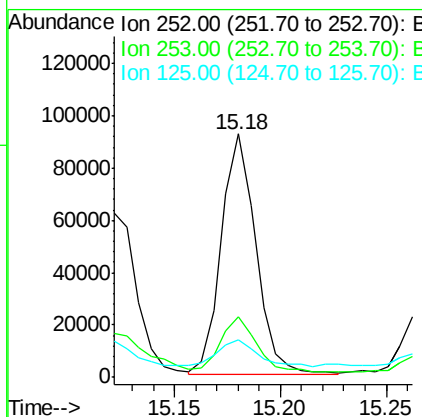
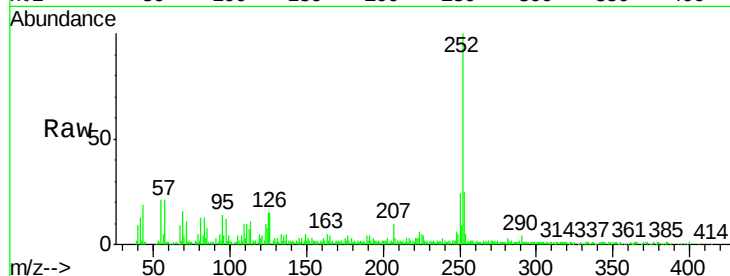
#90
Benzo(a)pyrene
Concen: 4.672 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	15.3	8.8	13.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.690 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.8	28.2
138	23.5	15.6	23.4

