

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101656.D
 Acq On : 22 Dec 2017 16:32
 Operator : SJ/JU
 Sample : I6890-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-10-OW(2-2.5)

Manual Integrations
 APPROVED

Sohil
 12/26/2017 1:37:19 PM

Quant Time: Dec 22 23:09:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	148796	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	588986	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	252384	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	456426	20.00	ng	0.00
75) Chrysene-d12	13.96	240	323786	20.00	ng	0.00
86) Perylene-d12	15.43	264	313448	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	243787	24.41	ng	0.00
7) Phenol-d6	6.43	99	308928	24.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	178762	16.90	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	55561	22.85	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	270637	16.63	ng	0.00
78) Terphenyl-d14	12.89	244	198725	14.80	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.34	178	78407	3.09	ng	97
74) Fluoranthene	12.53	202	216785	8.14	ng	96
77) Pyrene	12.76	202	184339	7.59	ng	97
80) Benzo(a)anthracene	13.95	228	80025	3.74	ng	97
82) Chrysene	13.99	228	74460	3.69	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	36260	2.02	ng	# 92
87) Benzo(b)fluoranthene	15.00	252	92017m	4.82	ng	
89) Benzo(a)pyrene	15.37	252	61301	3.48	ng	97
91) Benzo(g,h,i)perylene	17.35	276	36429	2.43	ng	94

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

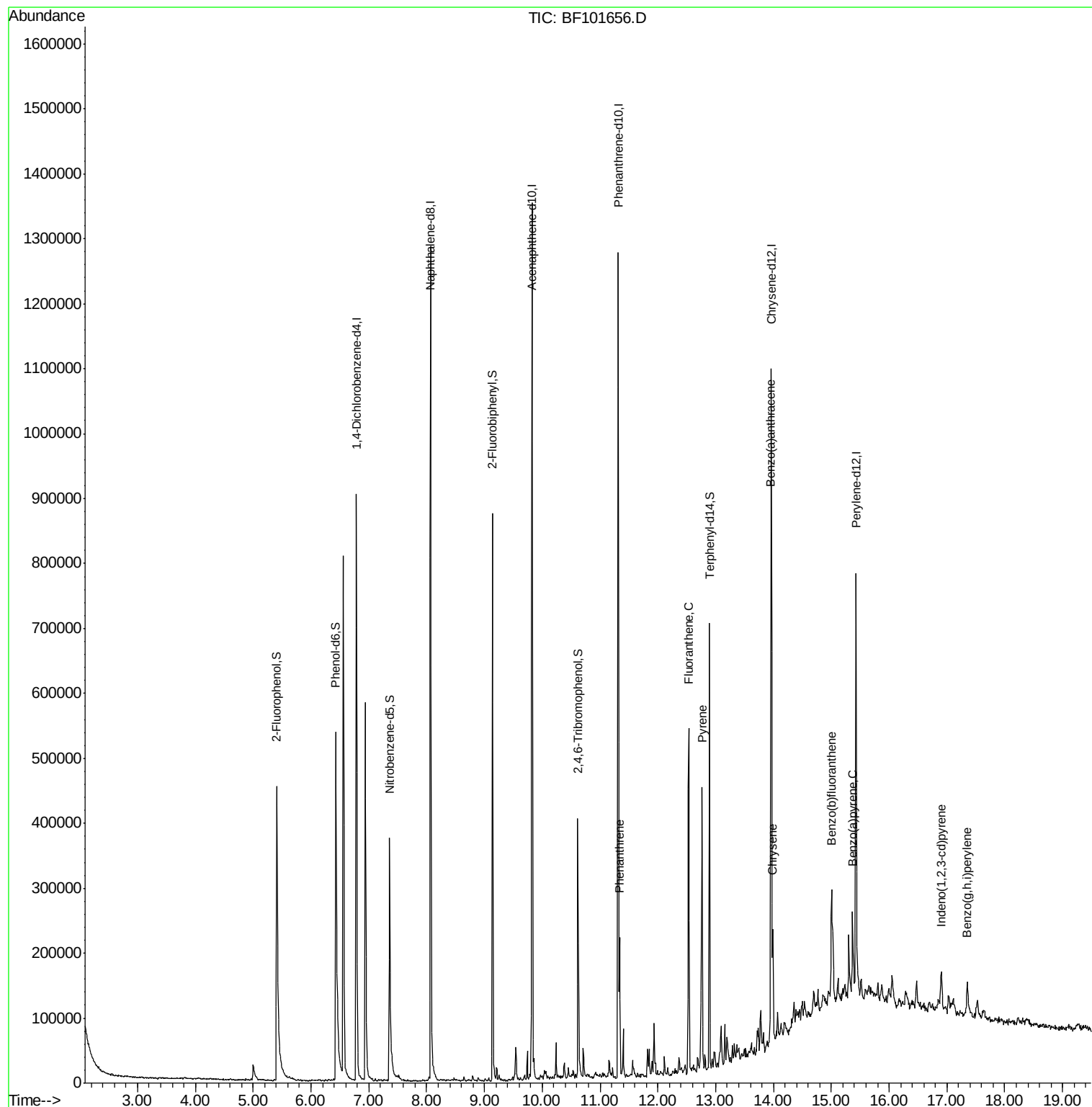
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101656.D
Acq On : 22 Dec 2017 16:32
Operator : SJ/JU
Sample : I6890-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

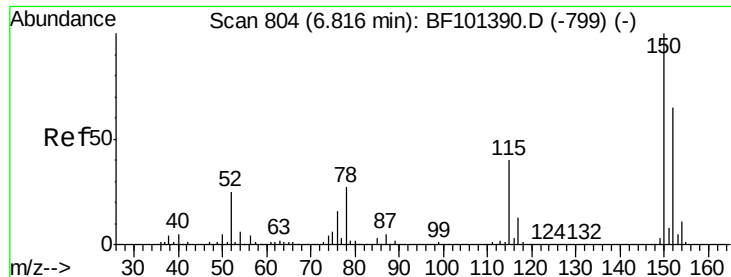
Instrument :
BNA_F
ClientSampled :
PB-10-OW(2-2.5)

Manual Integrations
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Quant Time: Dec 22 23:09:09 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration





#1

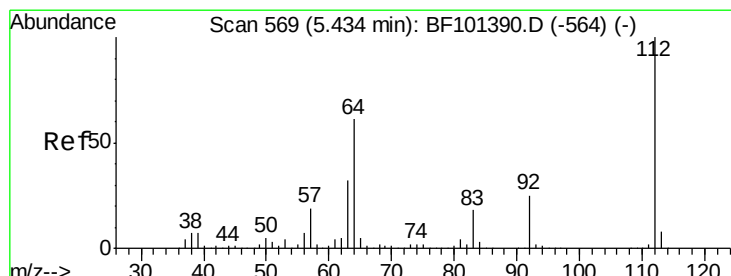
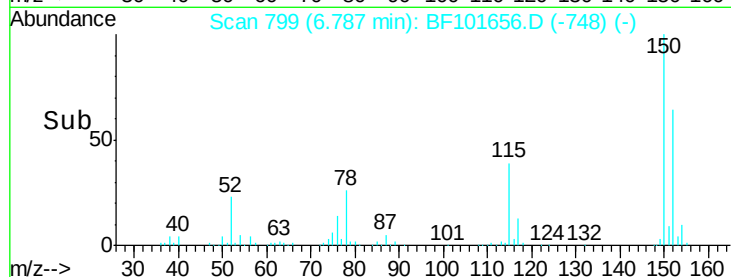
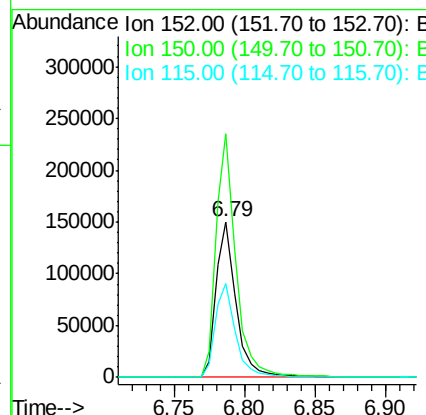
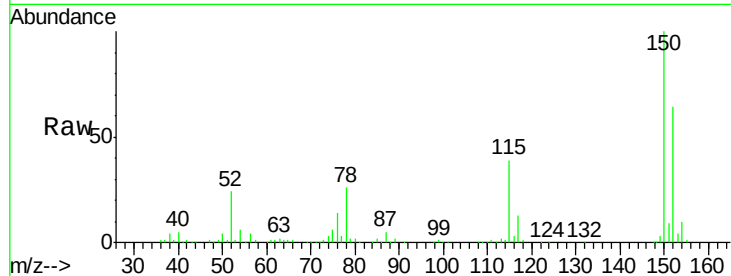
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	60.3	50.1	75.1

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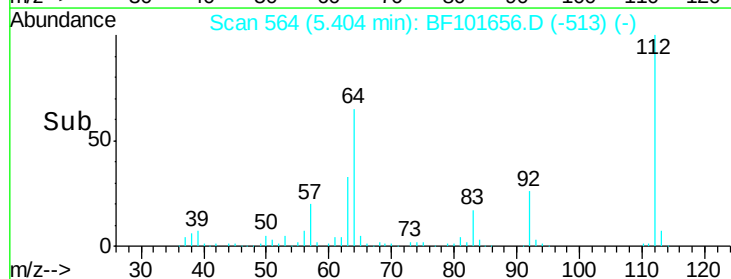
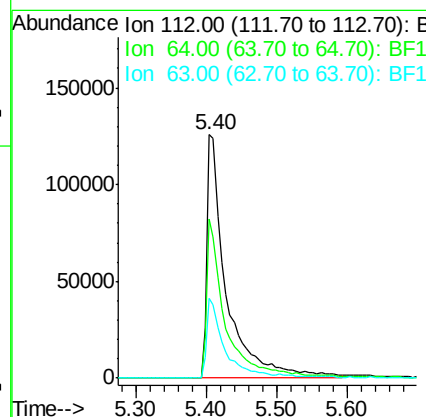
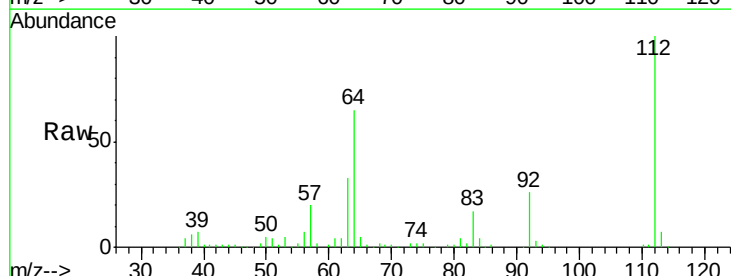
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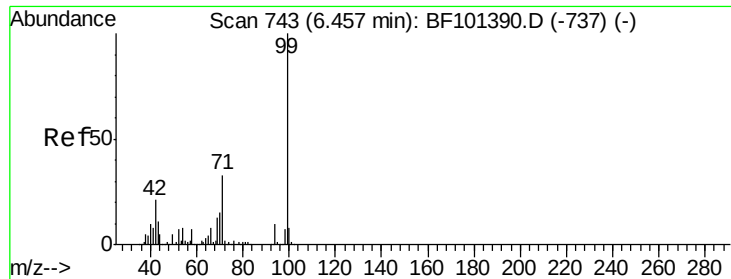


#5

2-Fluorophenol
Concen: 24.41 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 24.85 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101656.D

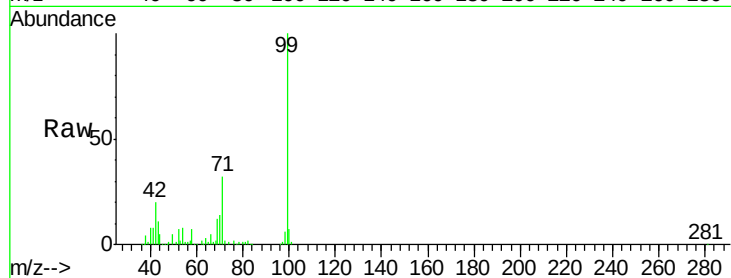
Acq: 22 Dec 2017 16:32

Instrument :

BNA_F

ClientSampleId :

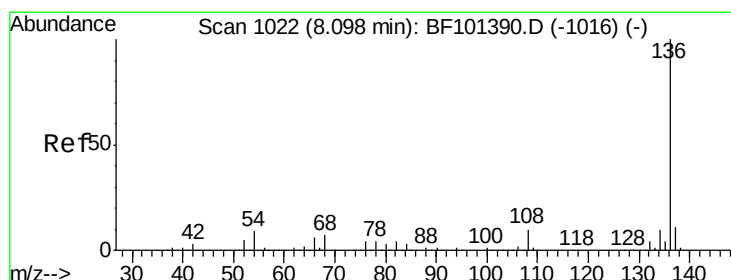
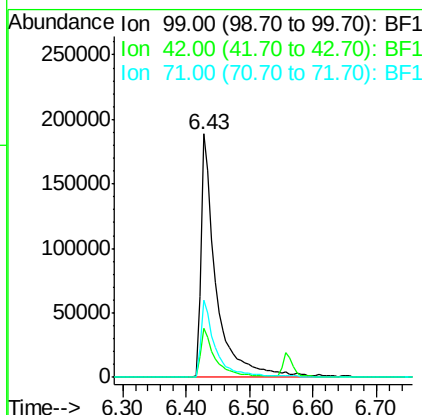
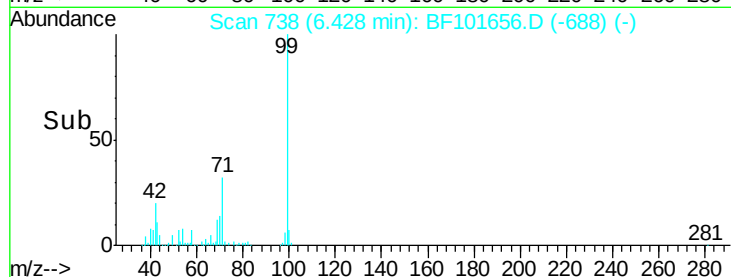
PB-10-OW(2-2.5)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		308928		
42	20.3	14.5	21.7		
71	31.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

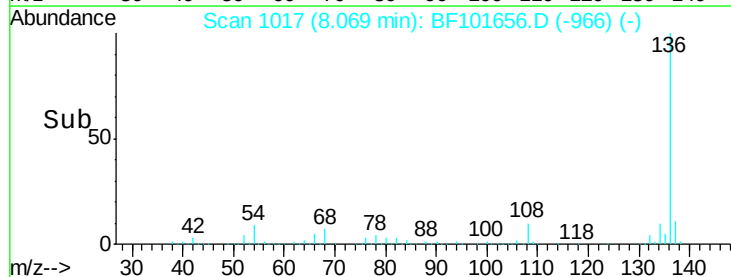
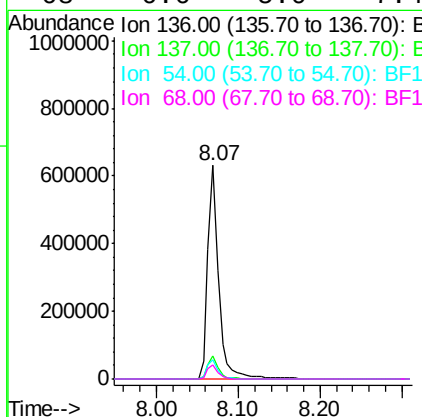
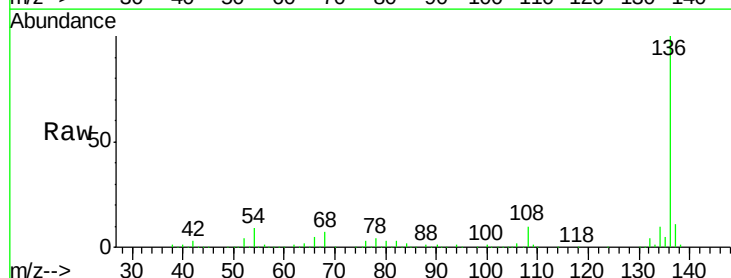
RT: 8.07 min Scan# 1017

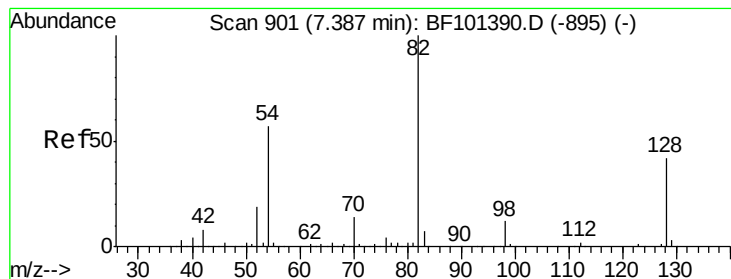
Delta R.T. 0.00 min

Lab File: BF101656.D

Acq: 22 Dec 2017 16:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		588986		
137	11.0	8.9	13.3		
54	8.9	6.6	9.8		
68	6.6	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 16.90 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101656.D

Acq: 22 Dec 2017 16:32

Instrument :

BNA_F

ClientSampleId :

PB-10-OW(2-2.5)

Tgt Ion: 82 Resp: 178762

Ion Ratio Lower Upper

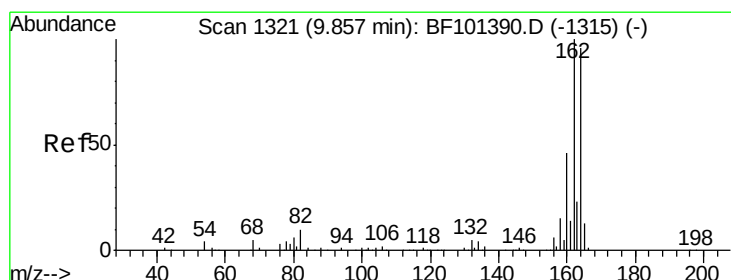
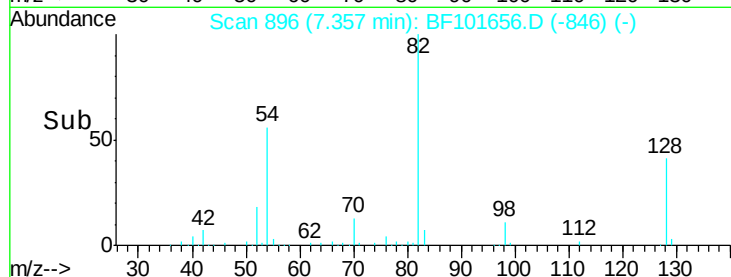
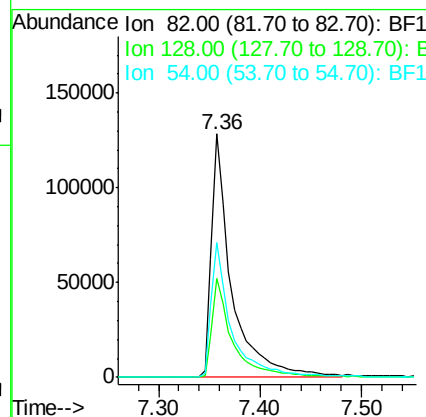
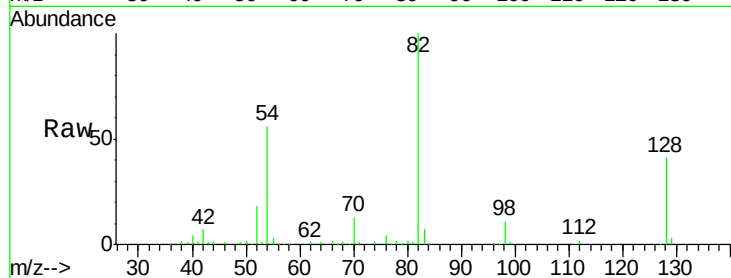
82 100

128 40.6 36.1 54.1

54 55.6 41.4 62.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101656.D

Acq: 22 Dec 2017 16:32

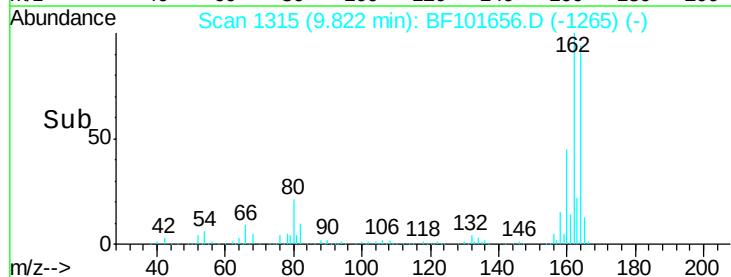
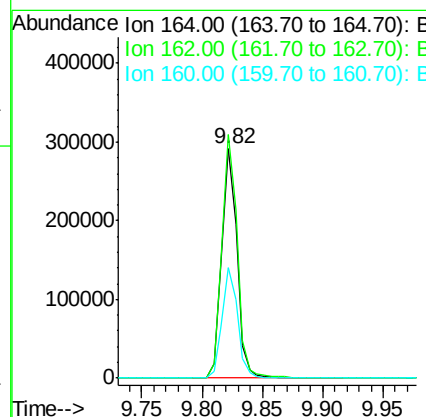
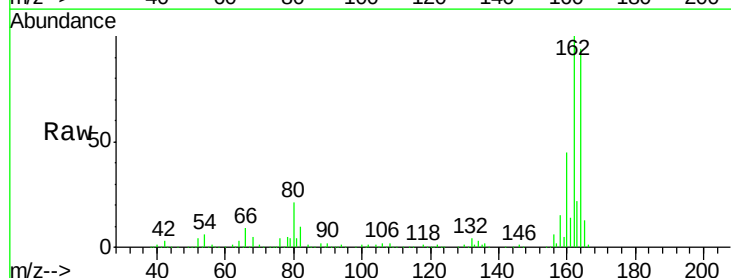
Tgt Ion: 164 Resp: 252384

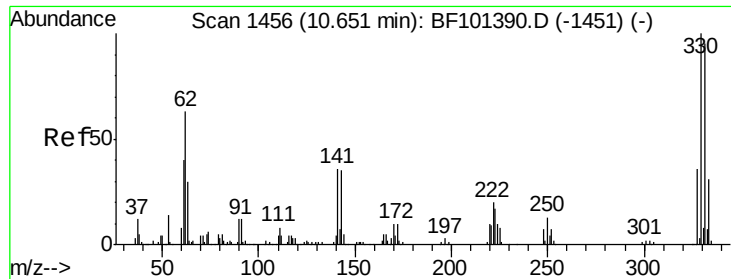
Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

160 48.0 38.3 57.5





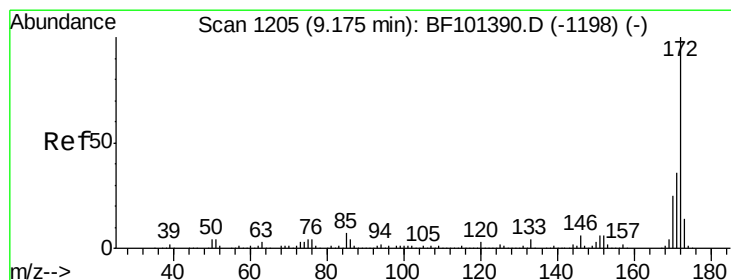
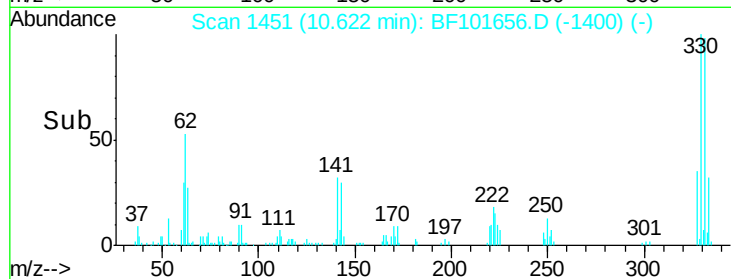
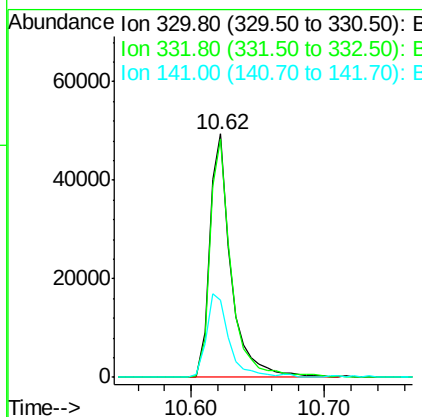
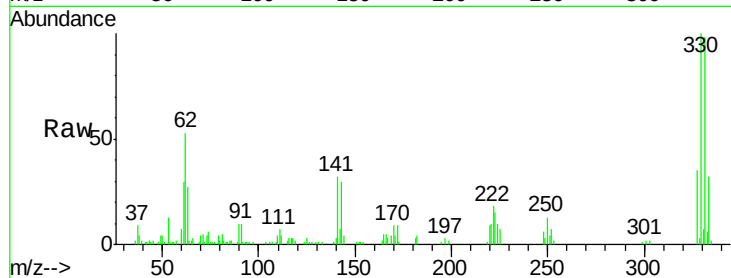
#41
 2,4,6-Tribromophenol
 Concen: 22.85 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Instrument :
 BNA_F
 ClientSampleId :
 PB-10-OW(2-2.5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	55561		
332	97.2	77.0	115.6	
141	36.8	29.9	44.9	

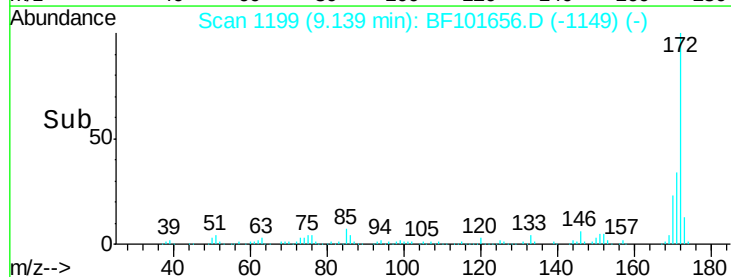
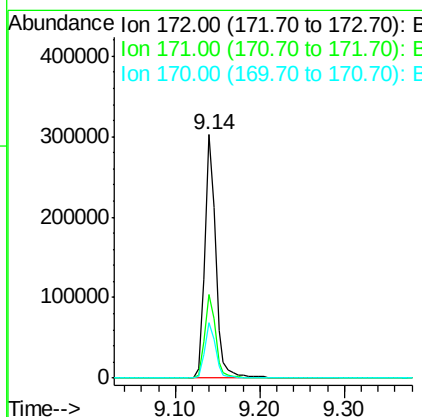
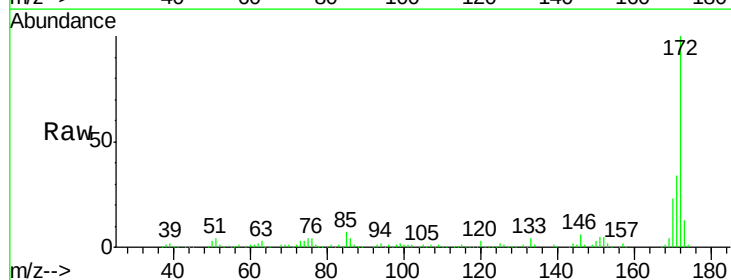
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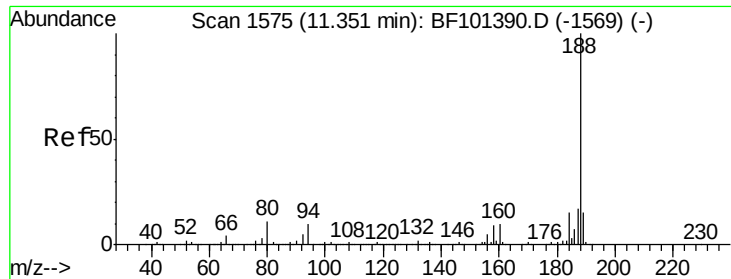
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 12/26/2017 1:37:19 PM



#44
 2-Fluorobiphenyl
 Concen: 16.63 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	270637		
171	34.4	29.7	44.5	
170	22.9	19.6	29.4	





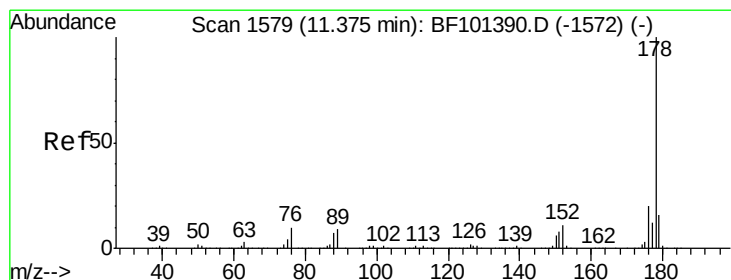
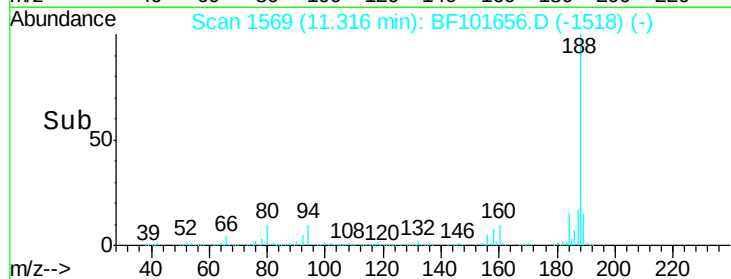
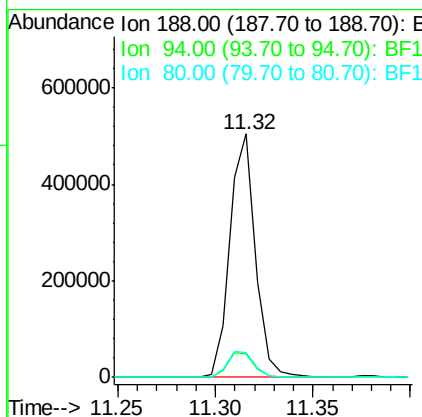
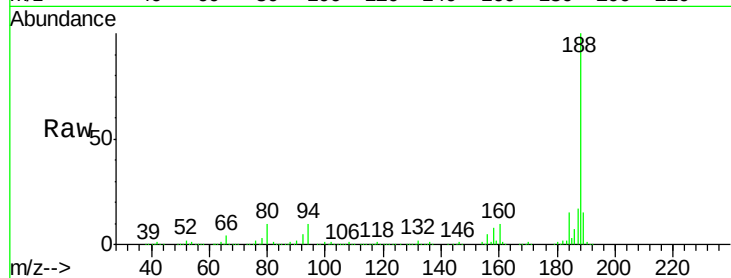
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	8.5	12.7
80	10.3	9.2	13.8

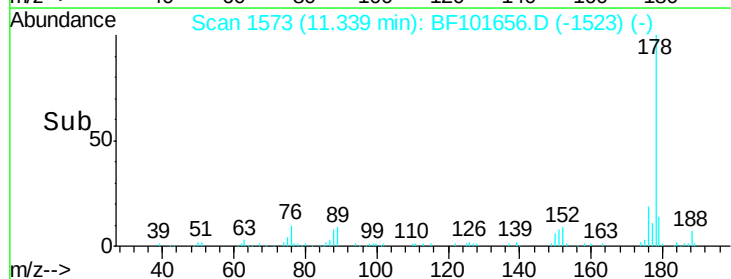
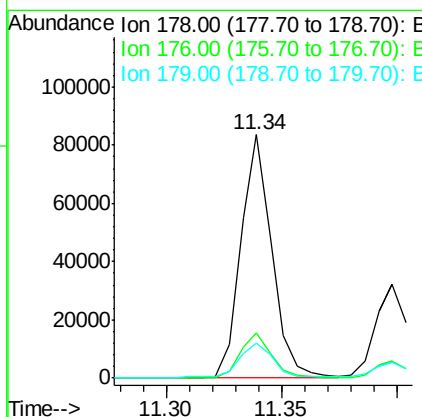
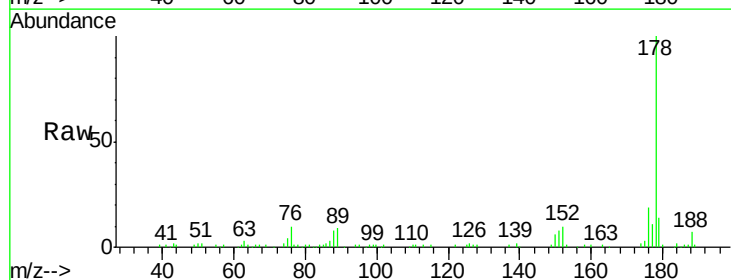
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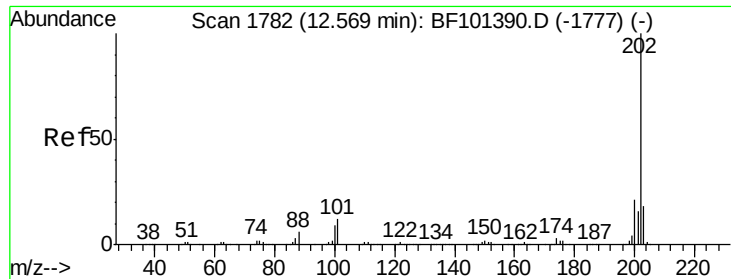
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#70
Phenanthrene
Concen: 3.09 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.8	23.8
179	14.3	13.0	19.6





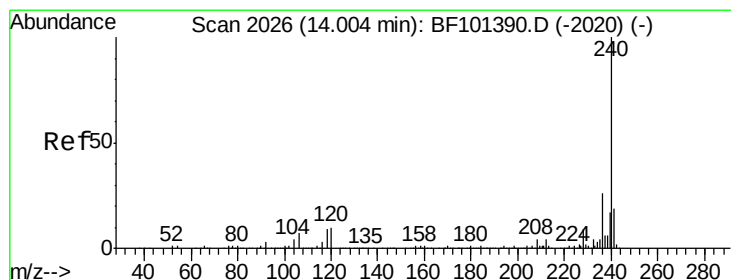
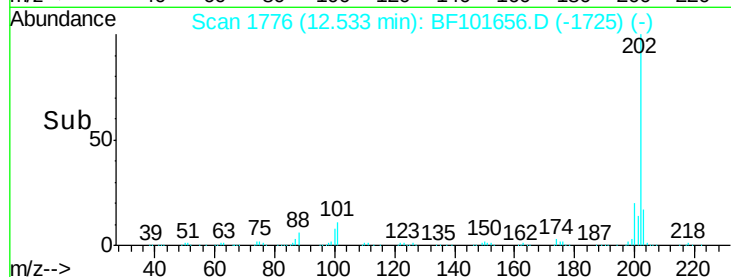
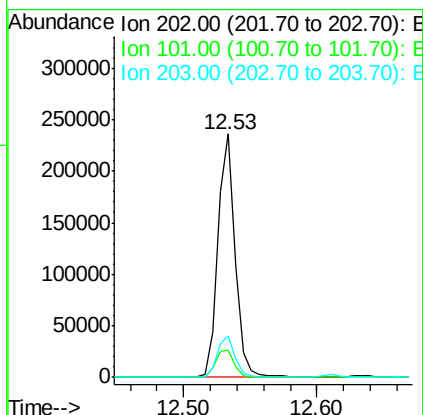
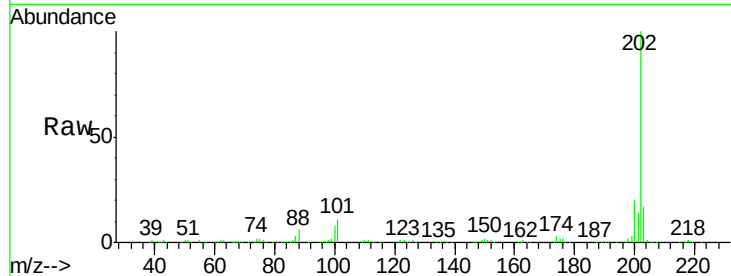
#74
Fluoranthene
Concen: 8.14 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.1	0.0	34.1
203	17.2	0.0	38.1

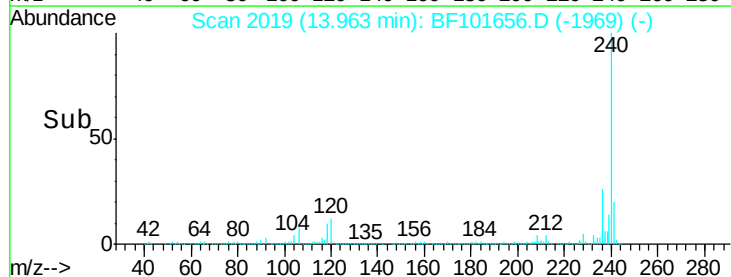
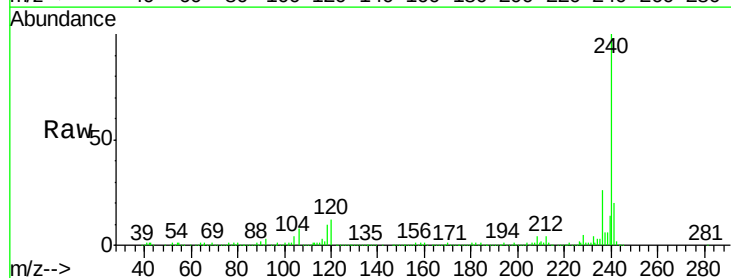
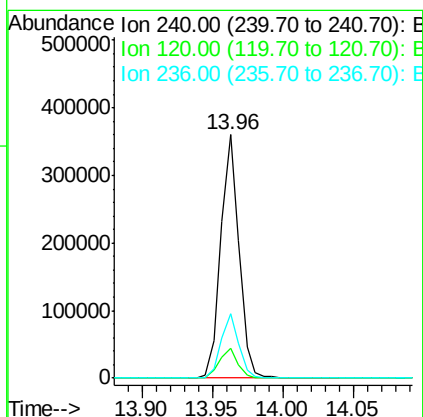
Manual Integrations
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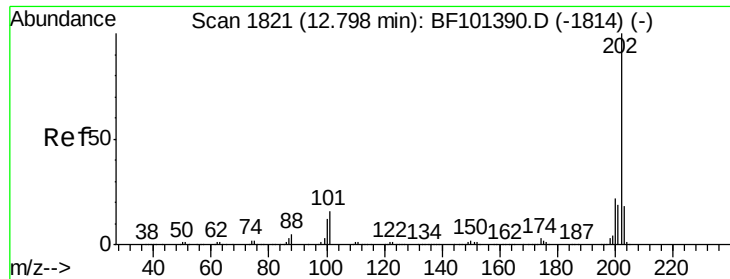
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.5	9.5	14.3
236	26.4	20.7	31.1





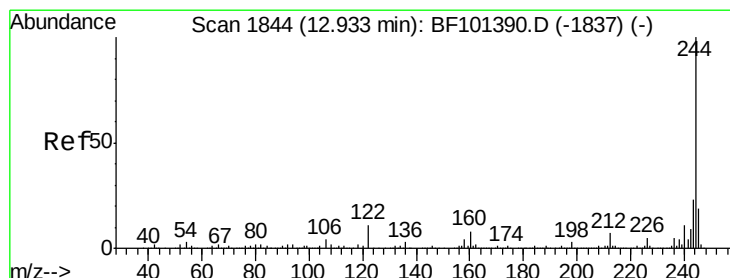
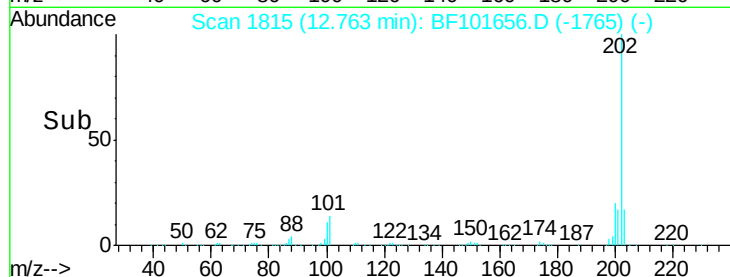
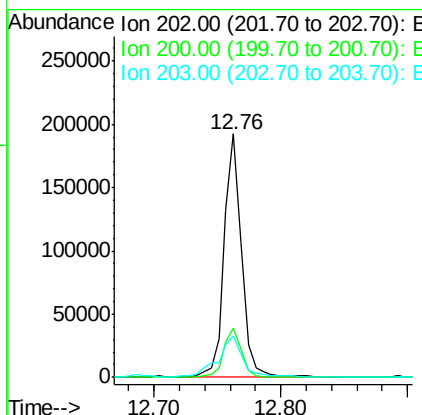
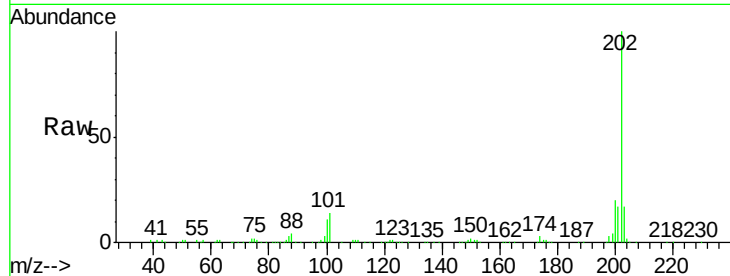
#77
 Pyrene
 Concen: 7.59 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Instrument :
 BNA_F
 ClientSampleId :
 PB-10-OW(2-2.5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	17.4	26.2
203	17.2	14.3	21.5

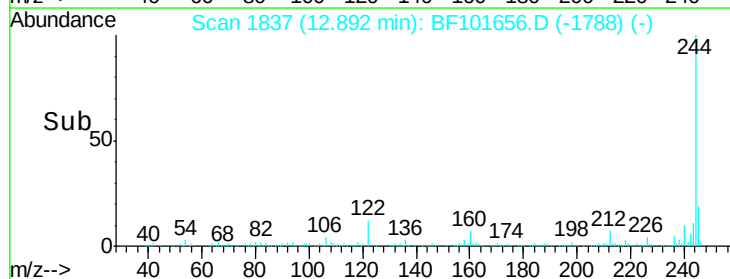
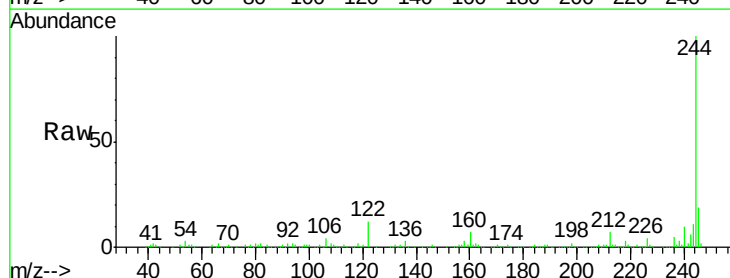
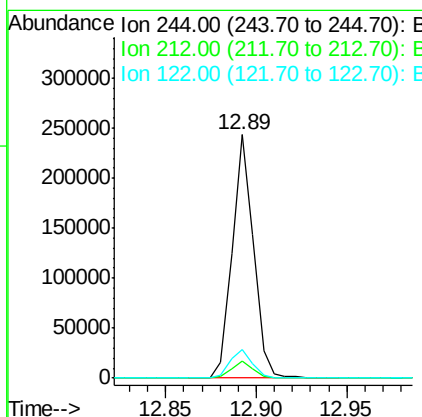
Manual Integrations
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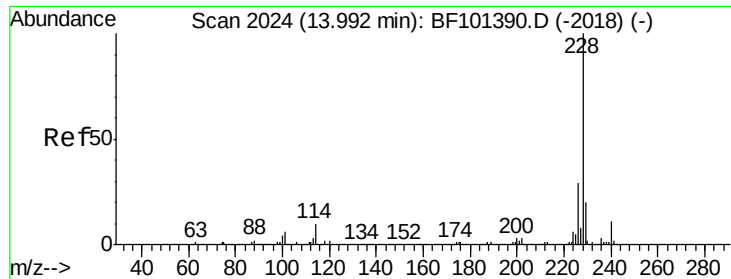
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#78
 Terphenyl-d14
 Concen: 14.80 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.4	8.0
122	11.6	11.0	16.4





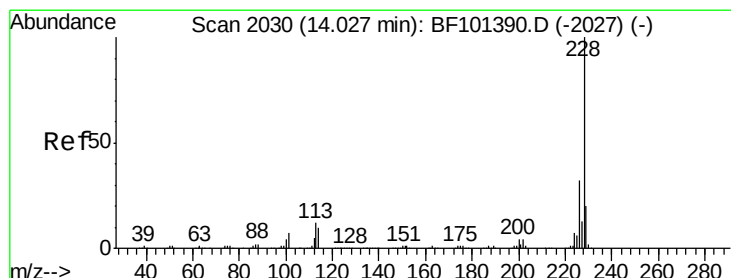
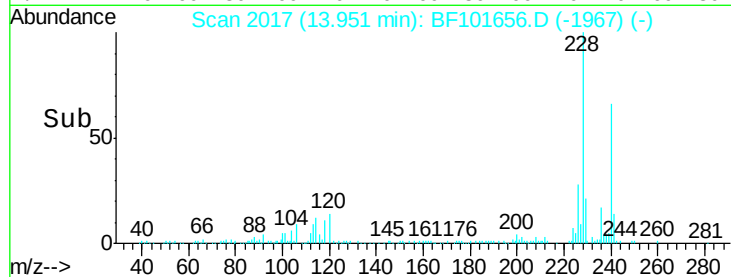
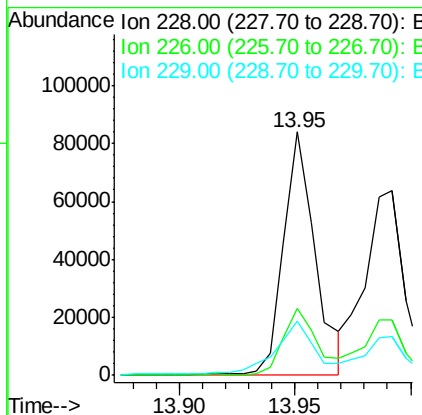
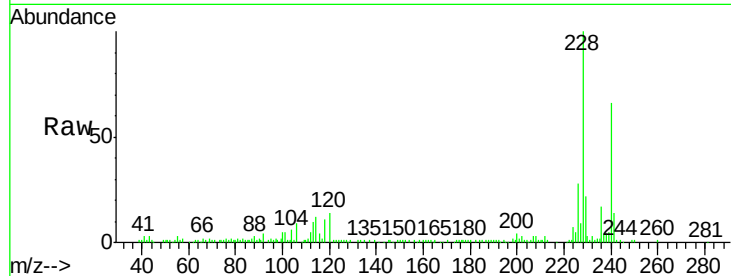
#80
Benzo(a)anthracene
Concen: 3.74 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	22.2	15.8	23.6

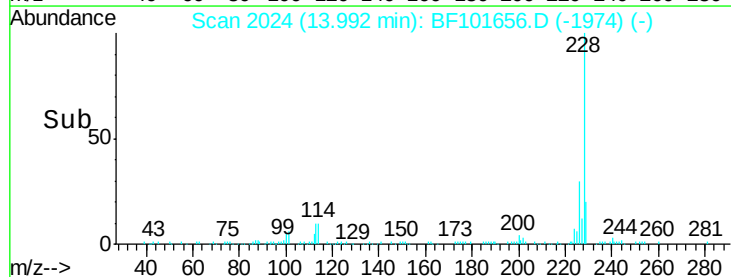
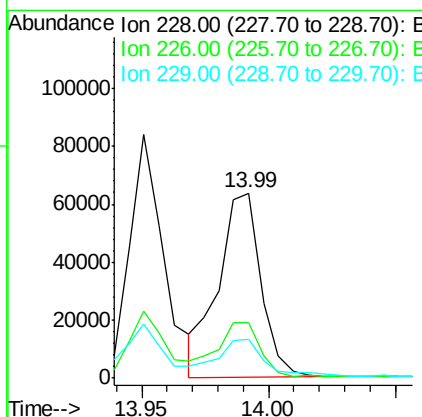
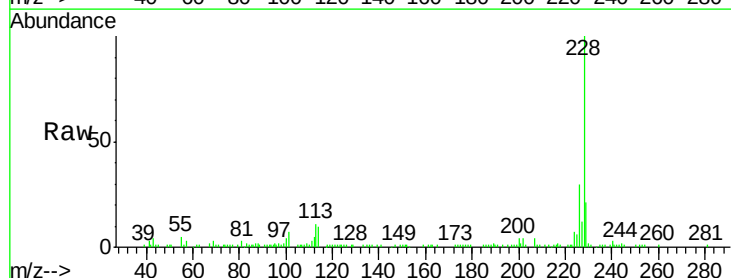
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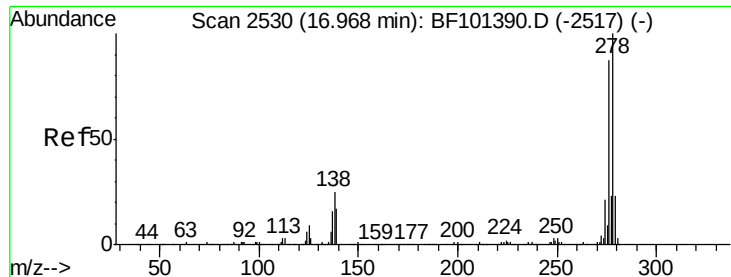
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#82
Chrysene
Concen: 3.69 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.4	16.2	24.4





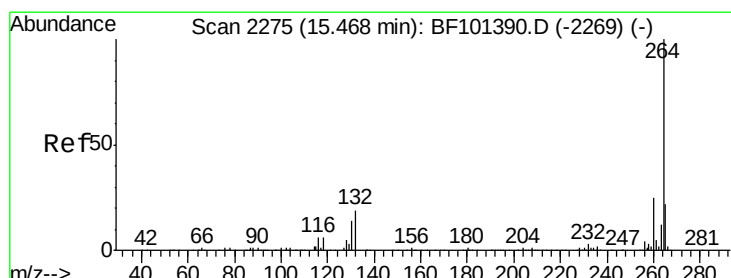
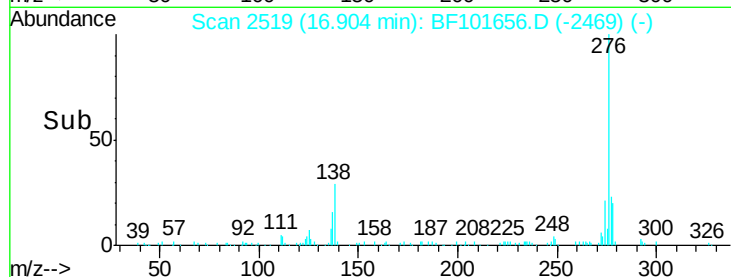
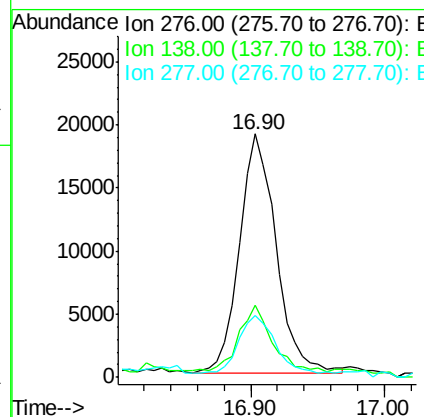
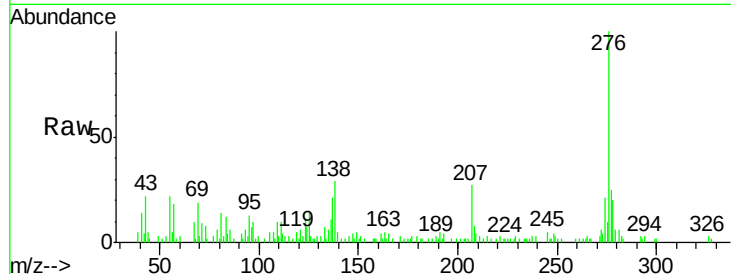
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.02 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Instrument :
 BNA_F
 ClientSampled :
 PB-10-OW(2-2.5)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	25.0	37.6#
277	24.1	20.1	30.1

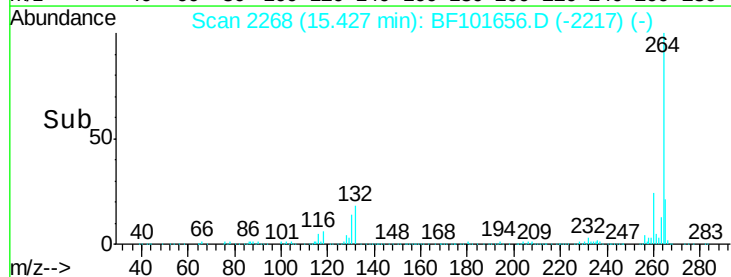
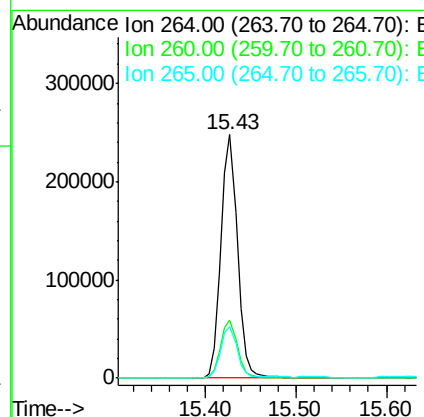
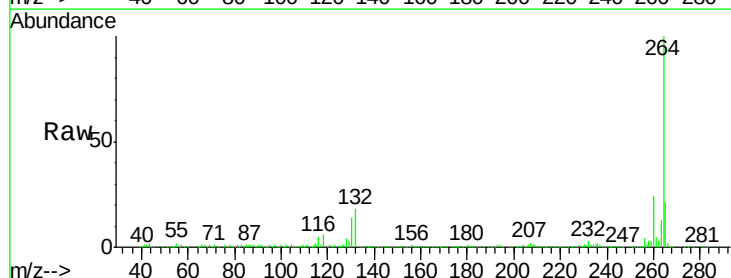
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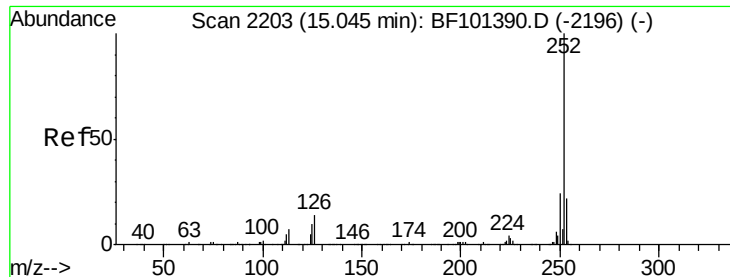
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.5	26.3





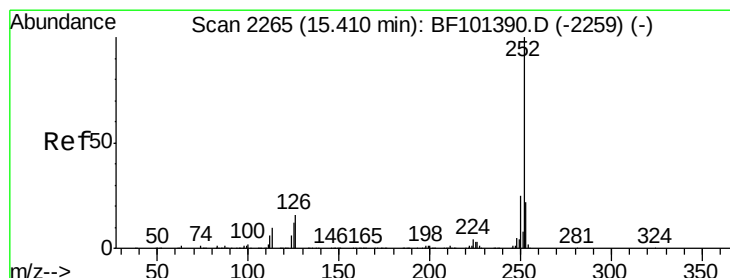
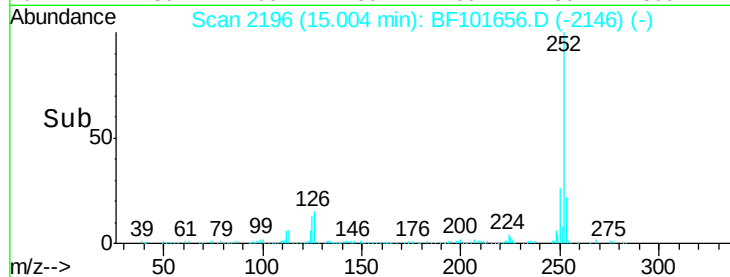
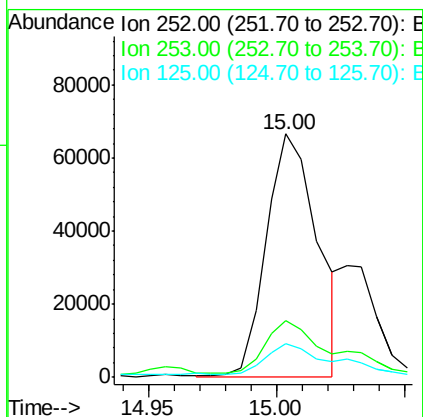
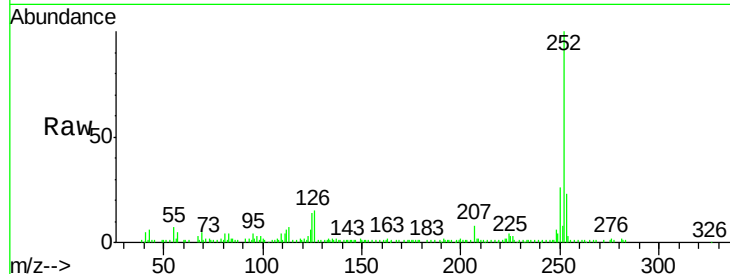
#87
Benzo(b)fluoranthene
Concen: 4.82 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.6	9.0	13.6

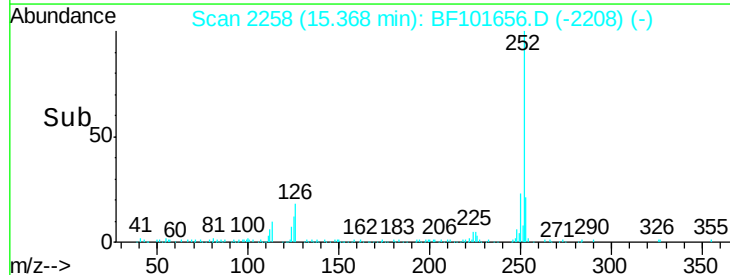
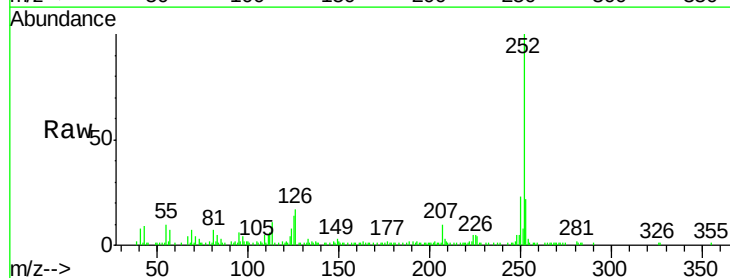
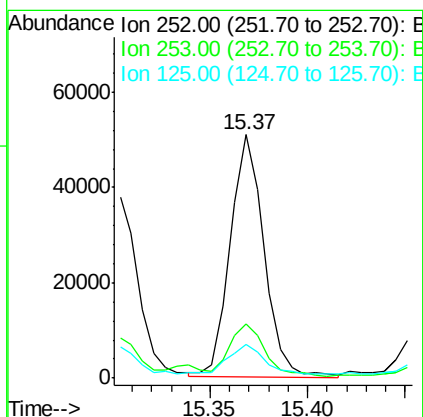
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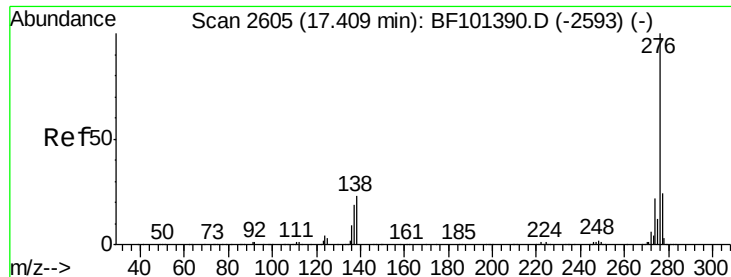
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#89
Benzo(a)pyrene
Concen: 3.48 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101656.D
Acq: 22 Dec 2017 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.8	9.8	14.6





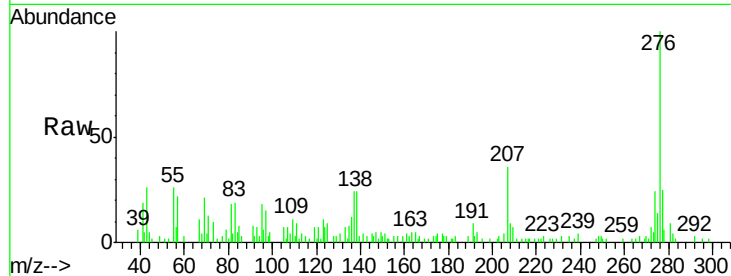
#91
 Benzo(g,h,i)perylene
 Concen: 2.43 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. 0.01 min
 Lab File: BF101656.D
 Acq: 22 Dec 2017 16:32

Instrument :
 BNA_F
 ClientSampleId :
 PB-10-OW(2-2.5)

Tgt Ion:	276	Resp:	36429
Ion Ratio		Lower	Upper
276	100		
277	25.4	17.9	26.9
138	24.0	21.8	32.8

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

