

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107302.D
 Acq On : 11 Jul 2018 16:12
 Operator : JU/SJ
 Sample : J3933-06DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-NIDL

Manual Integrations
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Quant Time: Jul 11 18:11:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	55806	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	215930	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	97411	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	167905	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	184199	20.00	ng	-0.03
86) Perylene-d12	15.68	264	170117	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	29324	8.90	ng	-0.03
7) Phenol-d6	6.58	99	38077	9.25	ng	-0.04
23) Nitrobenzene-d5	7.50	82	22793	5.87	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	7943	7.04	ng	-0.02
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.06	244	45234	5.95	ng	-0.02
Target Compounds						
31) Naphthalene	8.24	128	32420	3.211	ng	Qvalue 98
51) Acenaphthene	10.01	154	15480	2.548	ng	97
54) Dibenzofuran	10.18	168	29941	3.599	ng	95
57) Fluorene	10.53	166	20504	3.106	ng	99
70) Phenanthrene	11.50	178	312817	38.627	ng	99
71) Anthracene	11.55	178	78957	9.552	ng	98
72) Carbazole	11.71	167	30964	4.001	ng	97
74) Fluoranthene	12.70	202	354536	39.719	ng	95
77) Pyrene	12.93	202	316293	26.040	ng	99
80) Benzo(a)anthracene	14.12	228	197968	17.634	ng	98
82) Chrysene	14.17	228	166945	16.164	ng	96
85) Indeno(1,2,3-cd)pyrene	17.27	276	67950	7.753	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	207337m	19.620	ng	
88) Benzo(k)fluoranthene	15.25	252	77260m	7.677	ng	
89) Benzo(a)pyrene	15.61	252	152901m	16.276	ng	
90) Dibenzo(a,h)anthracene	17.27	278	21008	2.639	ng	# 77
91) Benzo(a,h,i)perylene	17.75	276	62178	7.990	ng	# 89

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

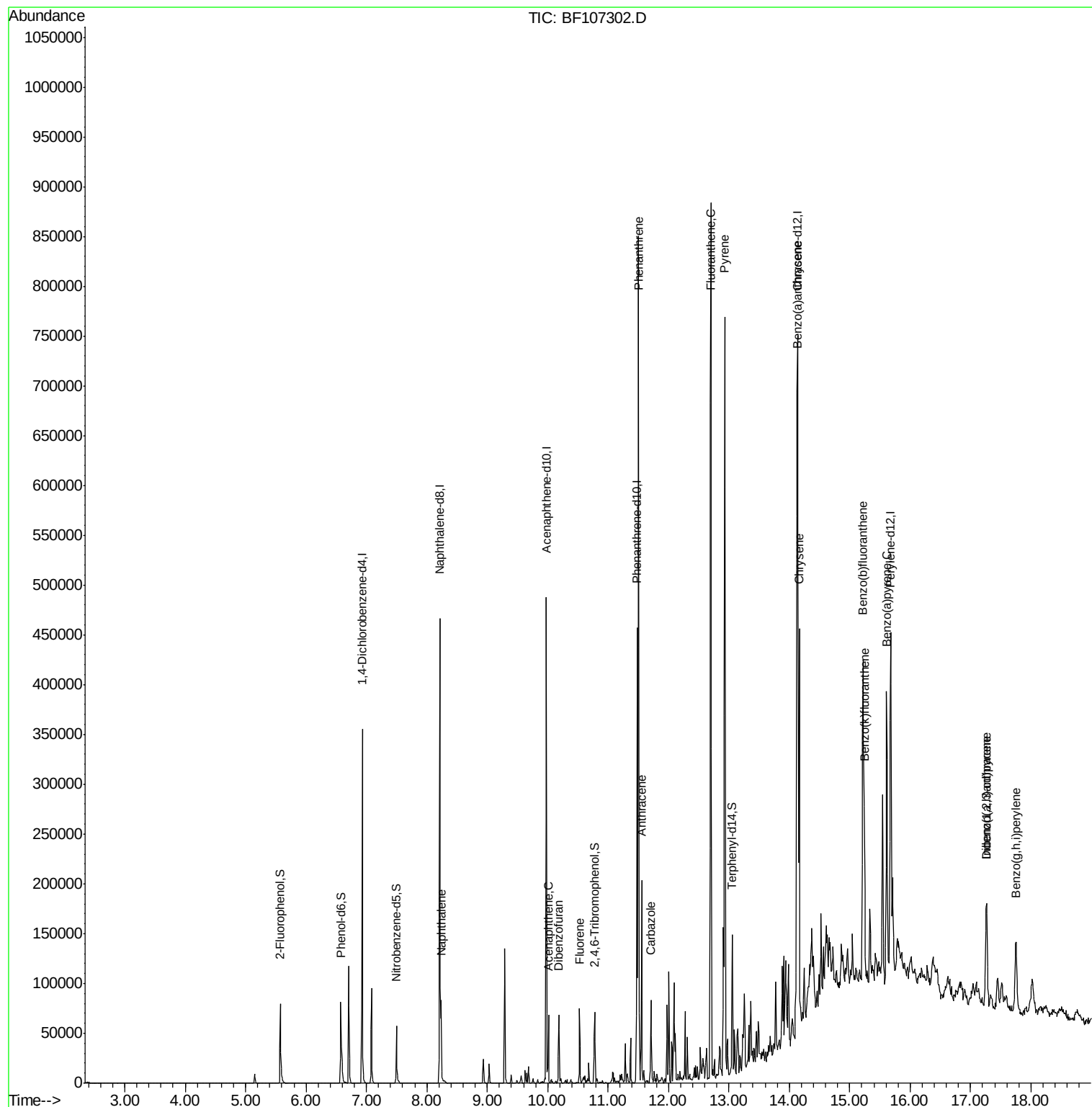
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
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ALS Vial : 9 Sample Multiplier: 1

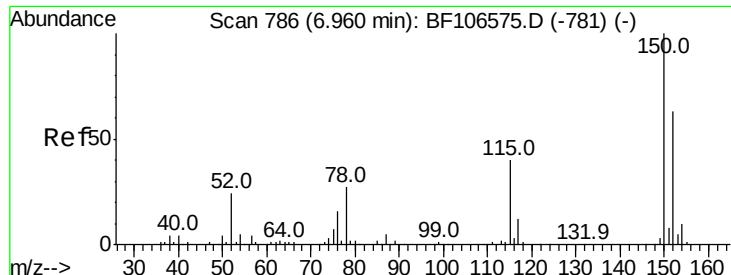
Instrument :
BNA_F
ClientSampleId :
EP-6-N1DL

Quant Time: Jul 11 18:11:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

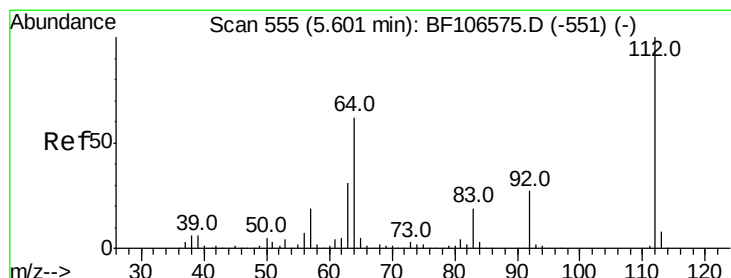
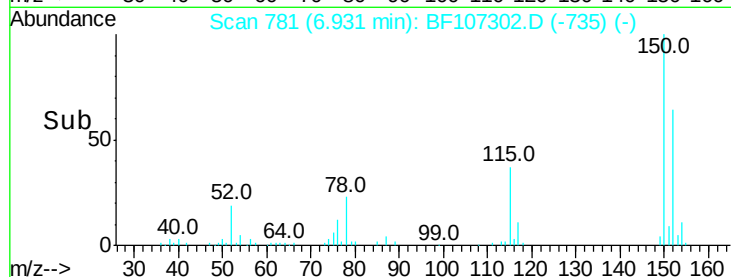
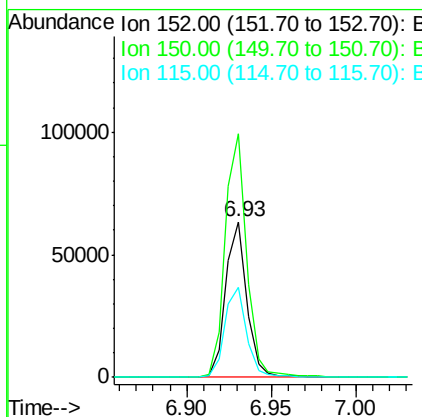
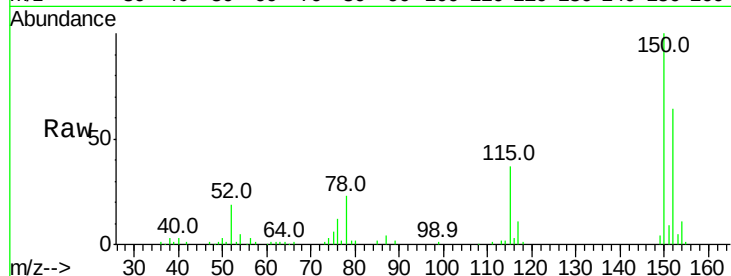
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Instrument :
BNA_F
ClientSampled :
EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	57.5	50.1	75.1

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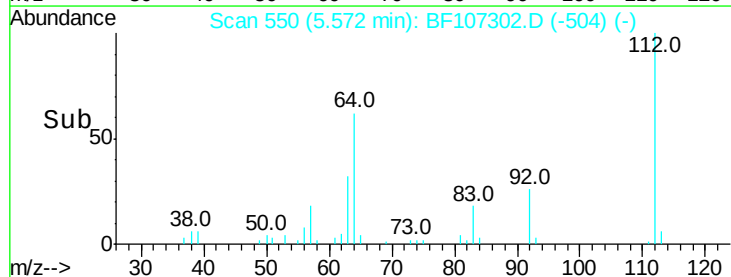
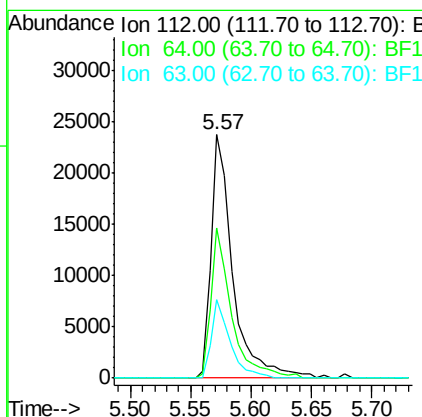
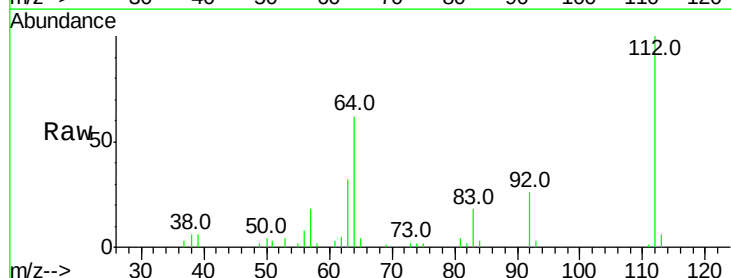
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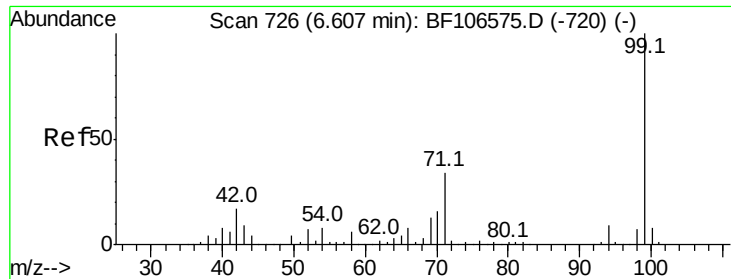


#5

2-Fluorophenol
Concen: 8.898 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	32.1	23.7	35.5





#7

Phenol-d6

Concen: 9.252 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107302.D

Acq: 11 Jul 2018 16:12

Instrument :

BNA_F

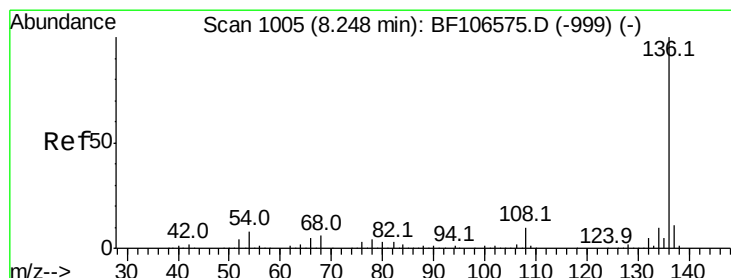
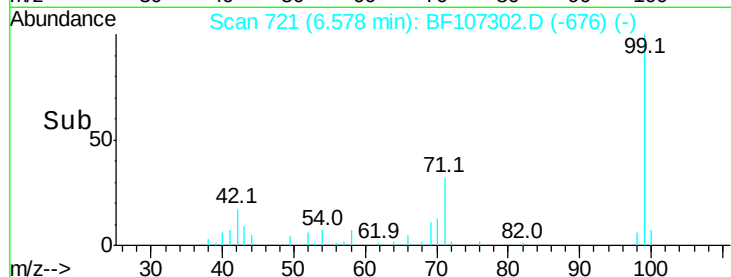
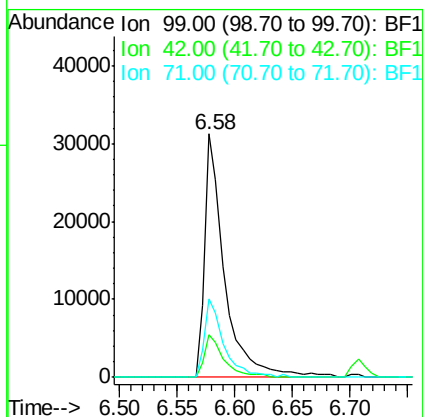
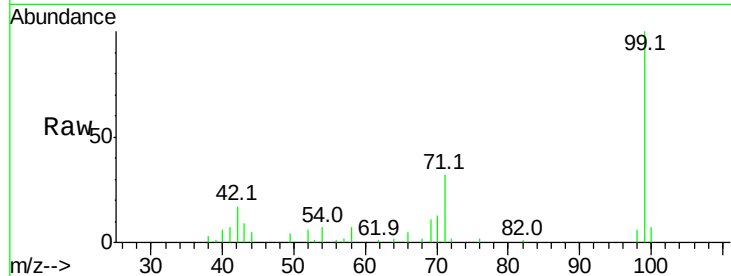
ClientSampled :

EP-6-N1DL

Tot Ion:	99	Resp:	38077
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.5	21.7
71	32.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

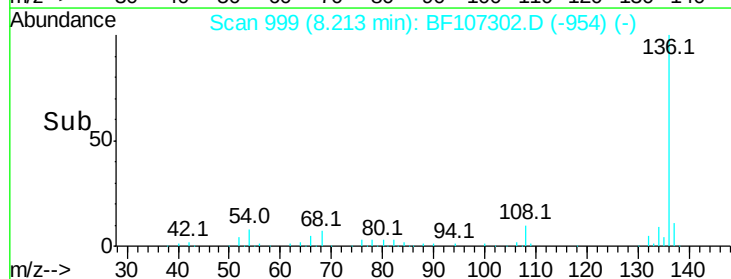
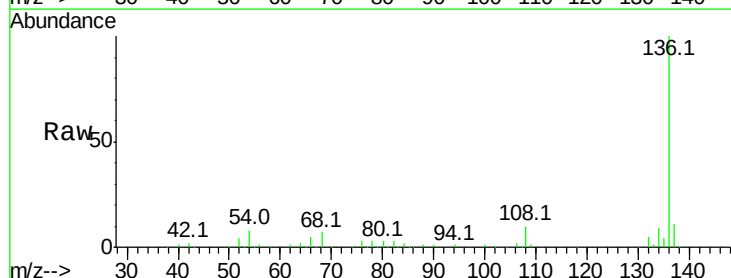
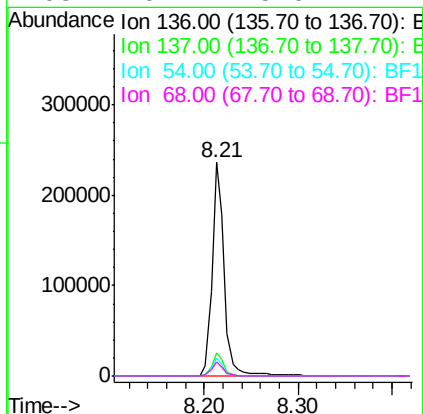
RT: 8.21 min Scan# 999

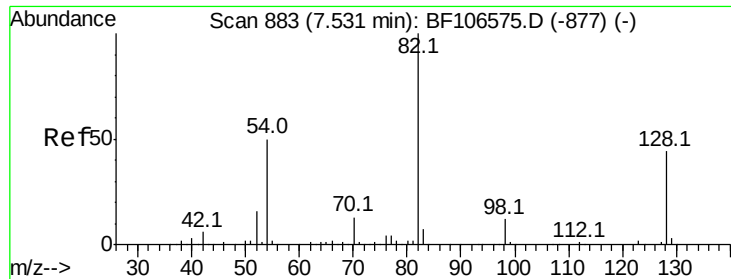
Delta R.T. -0.04 min

Lab File: BF107302.D

Acq: 11 Jul 2018 16:12

Tgt Ion:	136	Resp:	215930
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.3	6.6	9.8
68	6.7	5.0	7.4





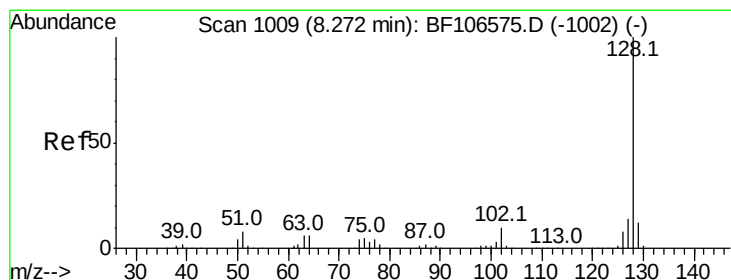
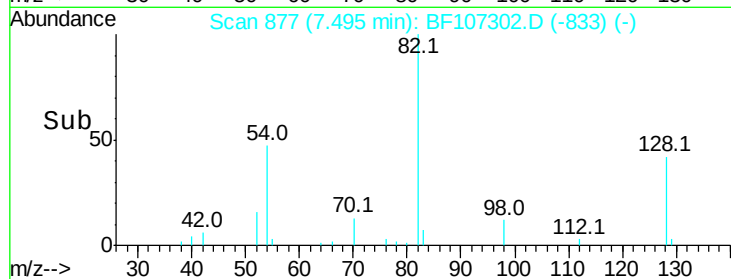
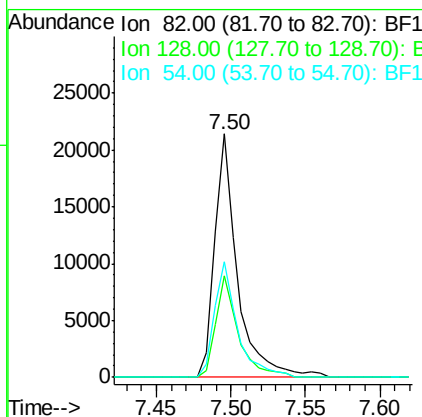
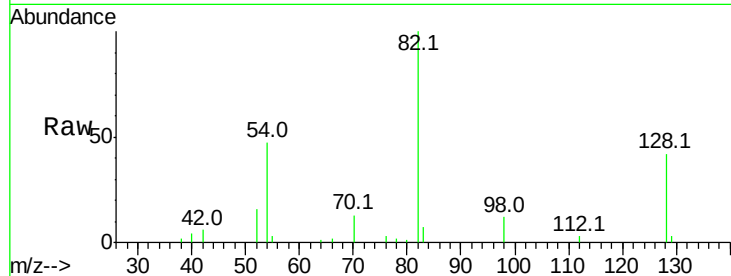
#23
 Nitrobenzene-d5
 Concen: 5.866 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.04 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampled :
 EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	47.4	41.4	62.2

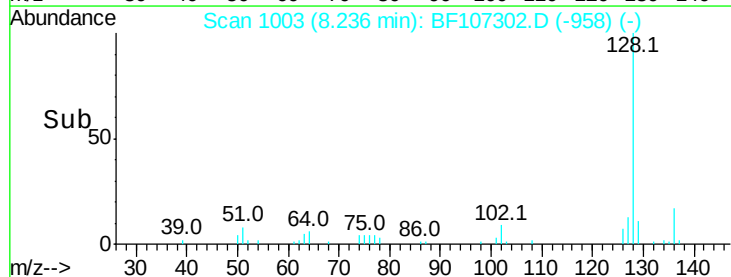
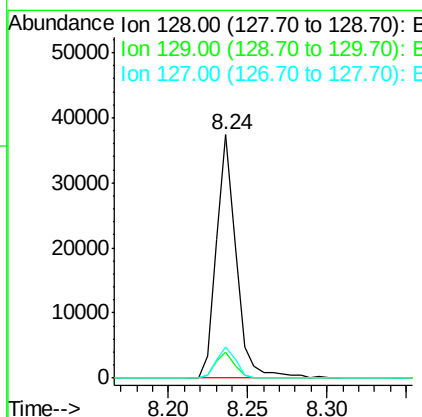
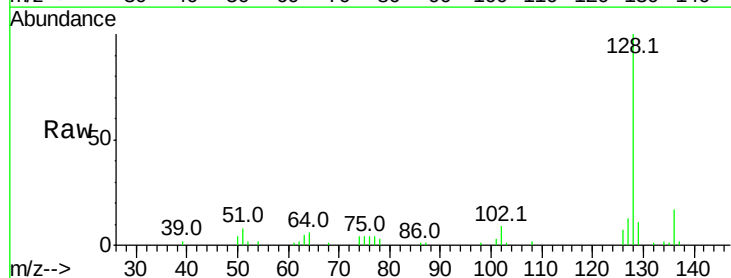
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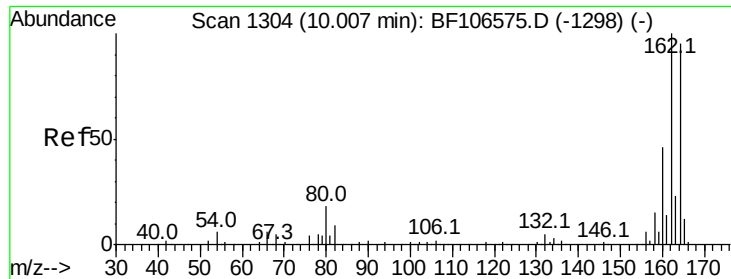
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#31
 Naphthalene
 Concen: 3.211 ng
 RT: 8.24 min Scan# 1003
 Delta R.T. -0.04 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.9	16.3





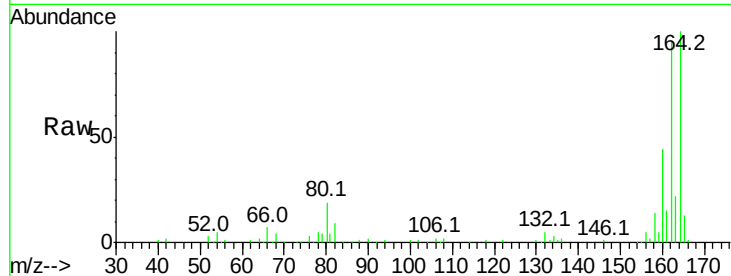
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.03 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.2	86.1	129.1
160	43.8	38.3	57.5

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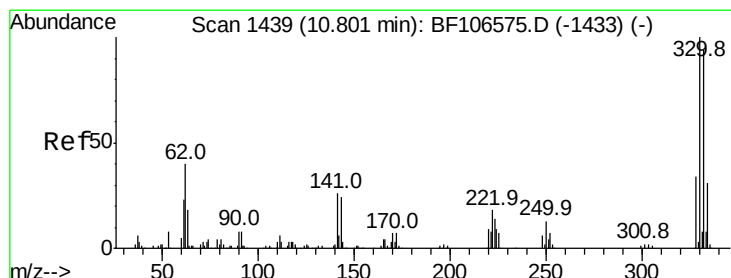
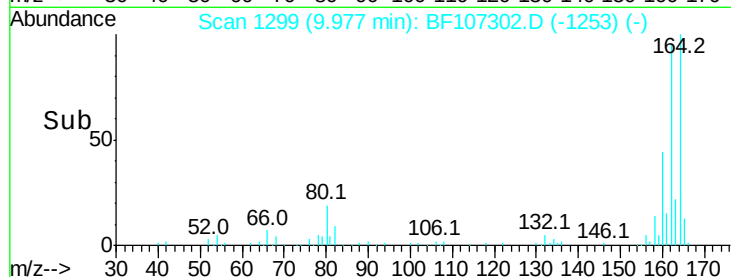
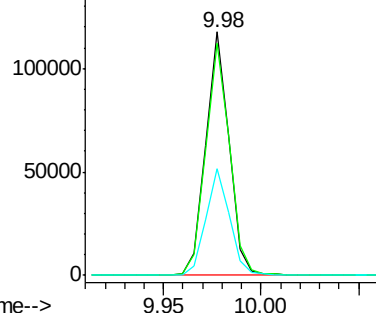


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 7.035 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

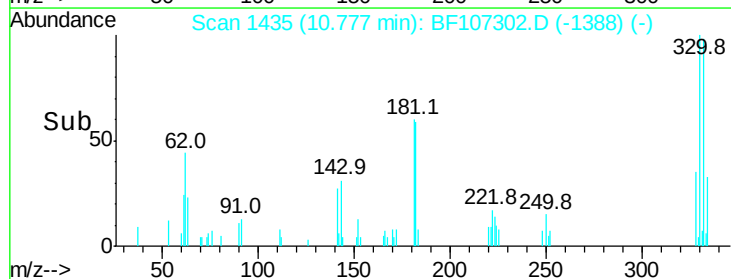
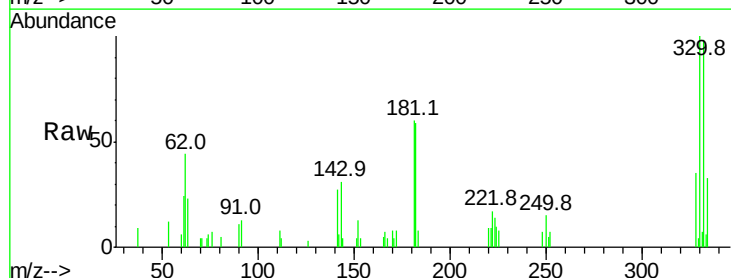
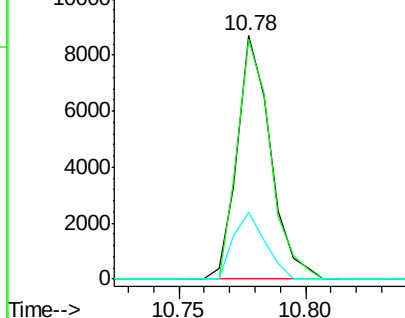
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	26.1	29.9	44.9#

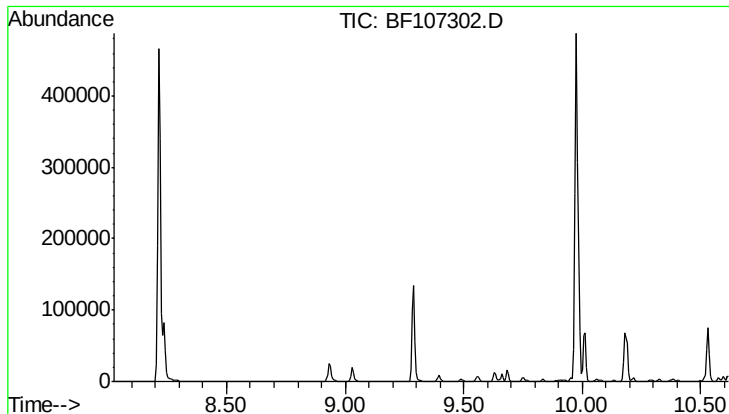
Abundance

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





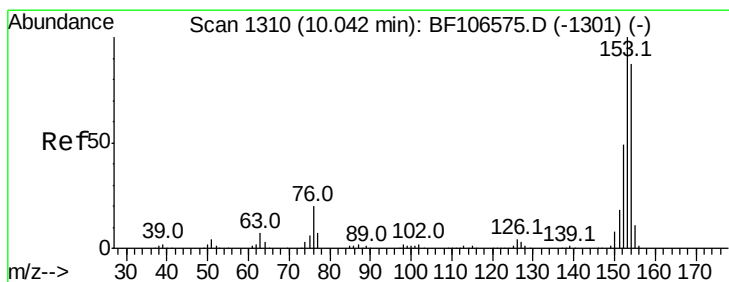
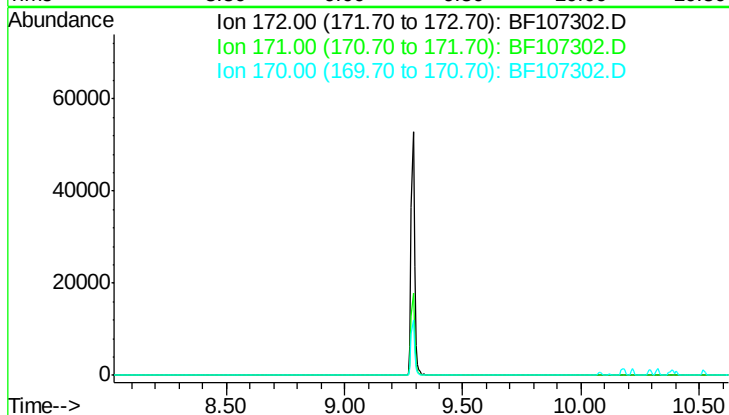
#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.32 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1DL

Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 37.1
 170 24.5

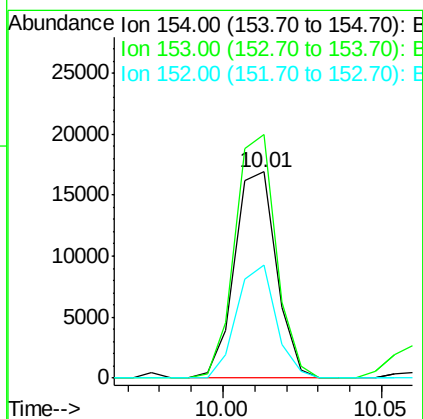
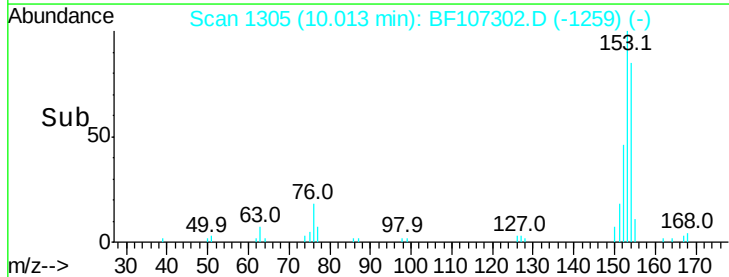
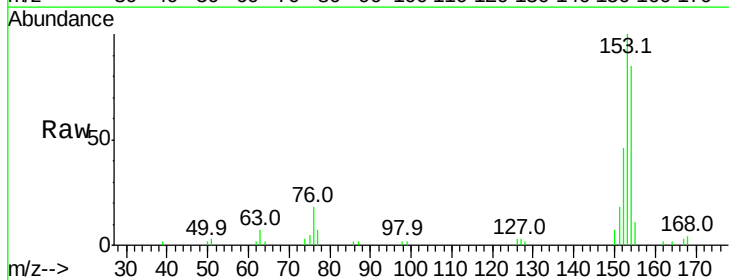
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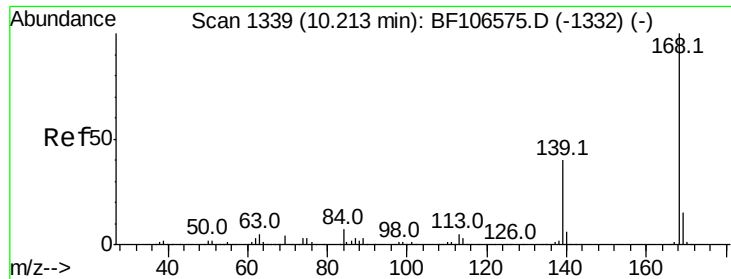
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#51
 Acenaphthene
 Concen: 2.548 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.03 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Tgt Ion: 154 Resp: 15480
 Ion Ratio Lower Upper
 154 100
 153 118.1 91.2 136.8
 152 54.8 43.8 65.8





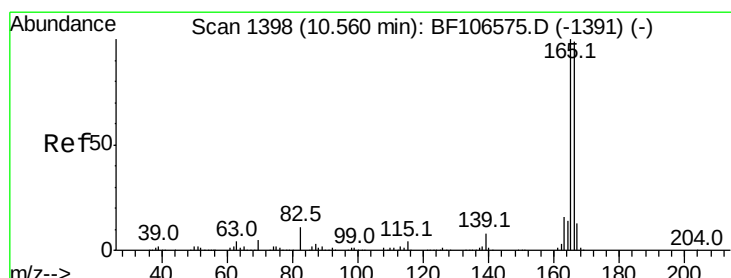
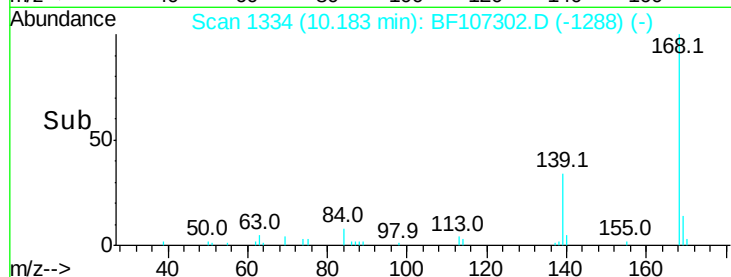
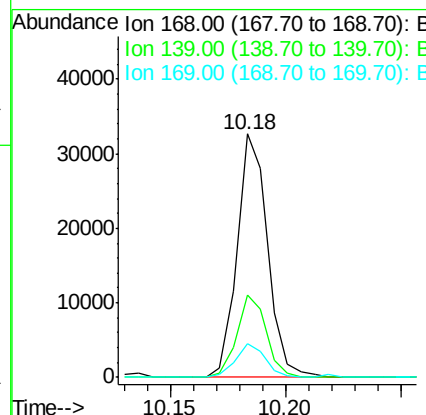
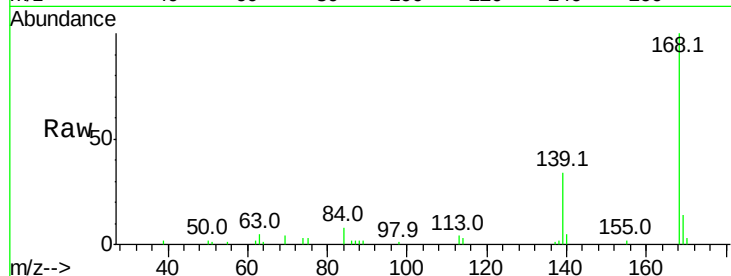
#54
Dibenzenofuran
Concen: 3.599 ng
RT: 10.18 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Instrument :
BNA_F
ClientSampled :
EP-6-N1DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	29941		
139	33.6		30.1	45.1
169	14.0		10.9	16.3

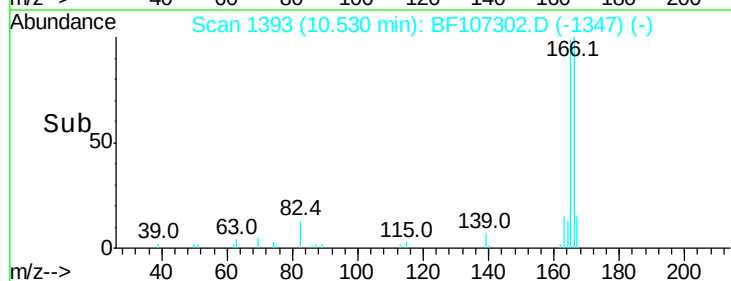
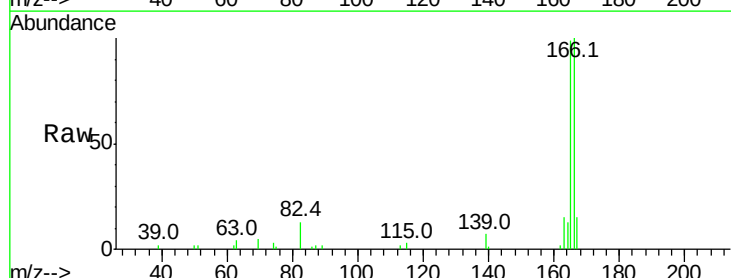
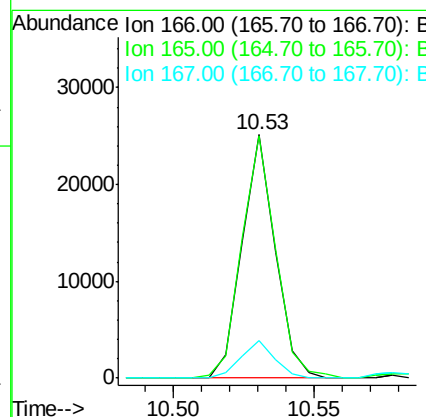
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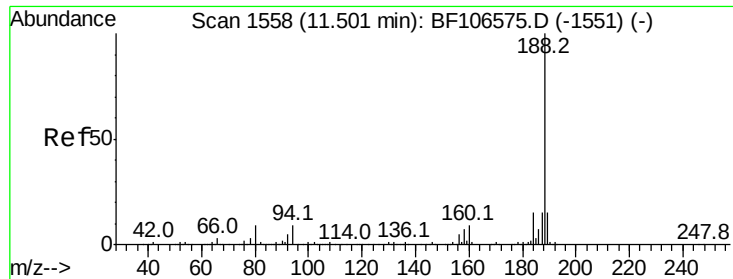
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#57
Fluorene
Concen: 3.106 ng
RT: 10.53 min Scan# 1393
Delta R.T. -0.03 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	20504		
165	99.4		79.8	119.8
167	15.4		10.6	16.0





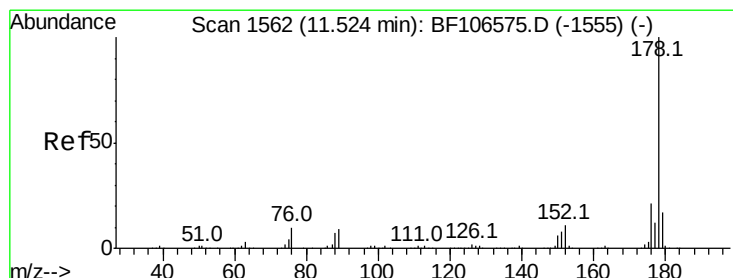
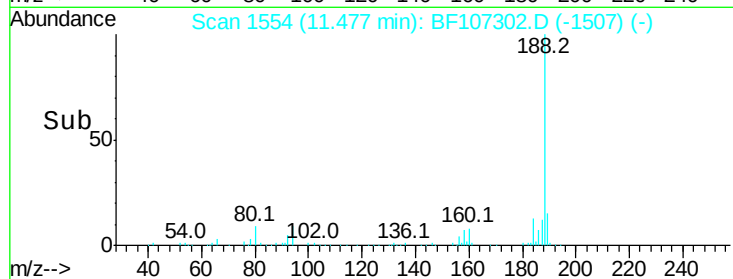
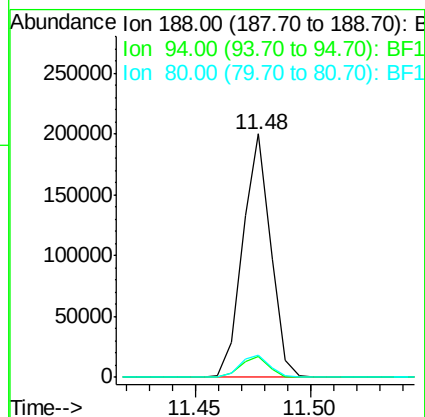
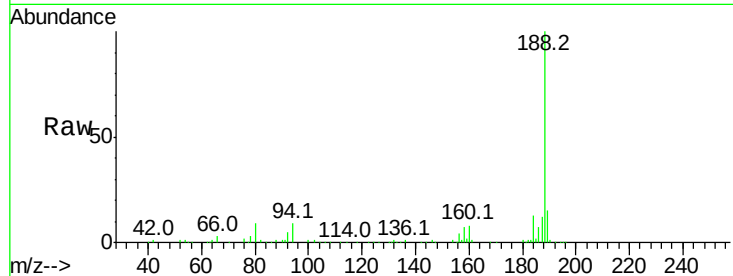
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampled :
 EP-6-N1DL

Tot Ion:188	Resp: 167905
Ion Ratio	Lower Upper
188 100	
94 8.5	8.5 12.7
80 9.2	9.2 13.8#

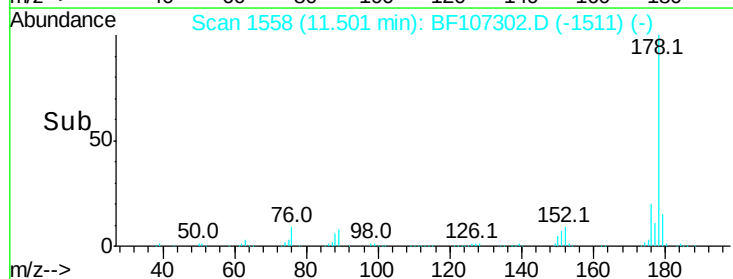
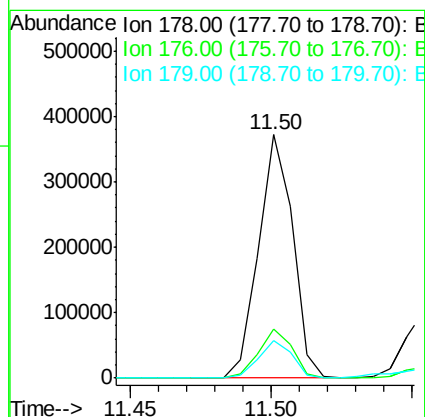
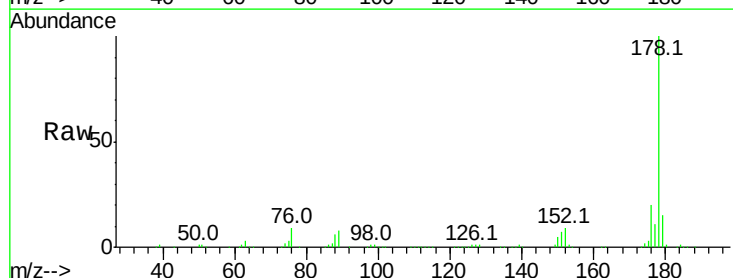
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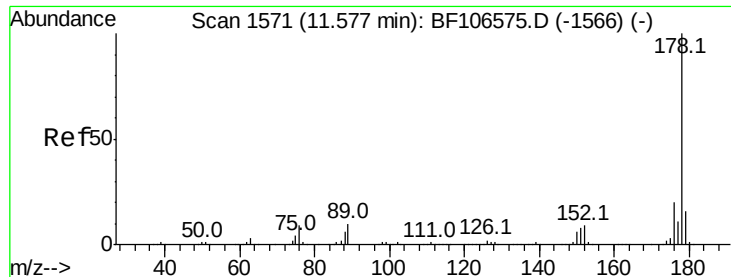
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#70
 Phenanthrene
 Concen: 38.627 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.02 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Tgt Ion:178	Resp: 312817
Ion Ratio	Lower Upper
178 100	
176 20.0	15.8 23.8
179 15.3	13.0 19.6





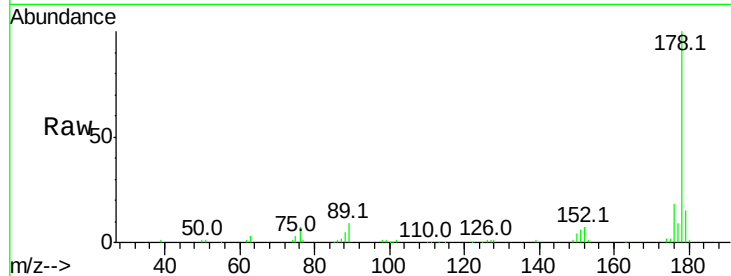
#71
 Anthracene
 Concen: 9.552 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampleID :
 EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.1	12.6	19.0

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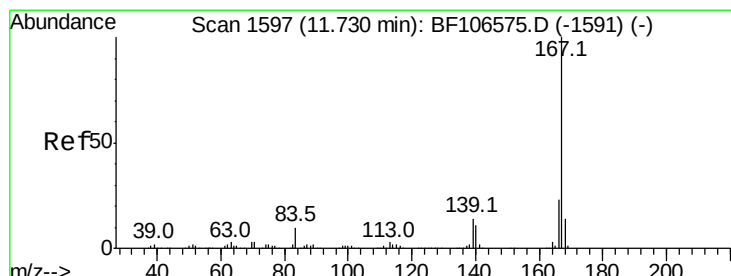
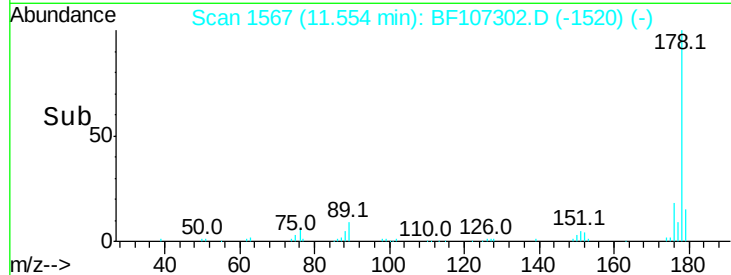
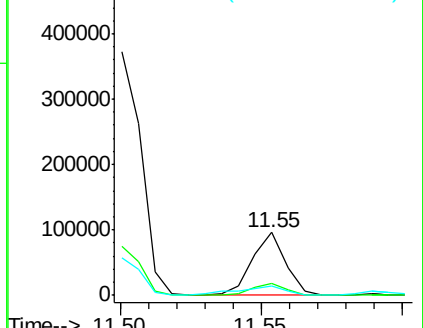


Abundance

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
 Carbazole
 Concen: 4.001 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

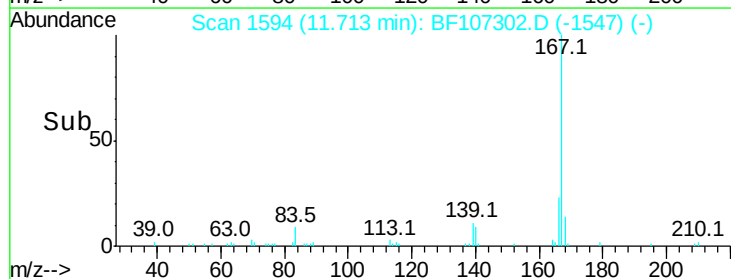
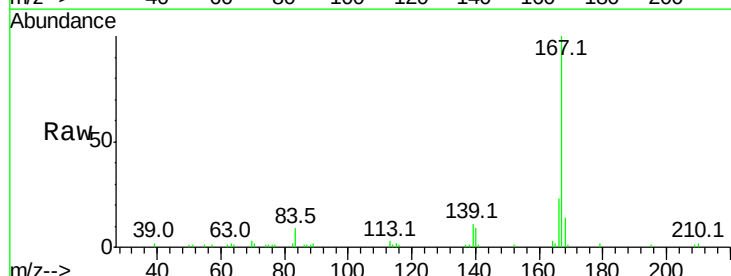
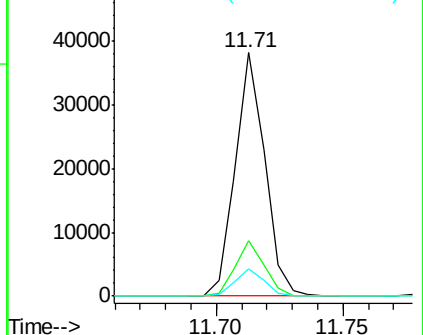
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	11.3	10.9	16.3

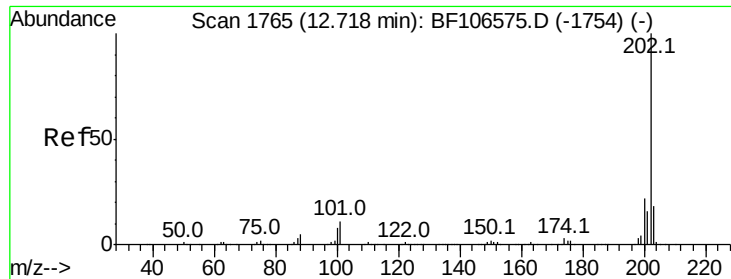
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





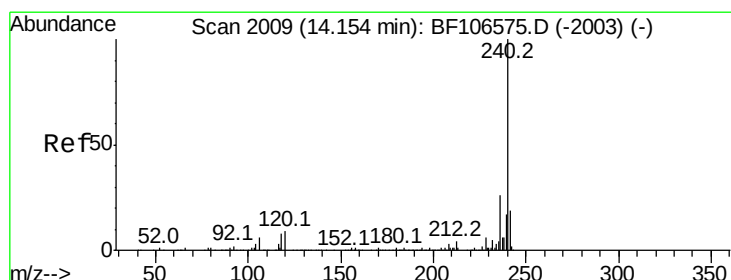
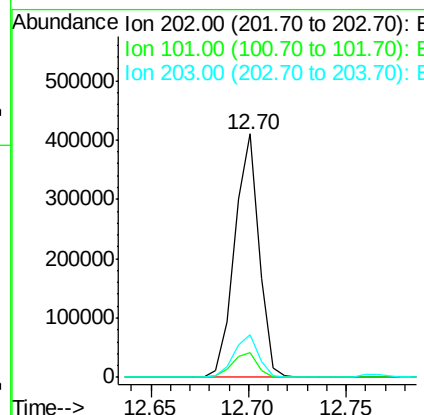
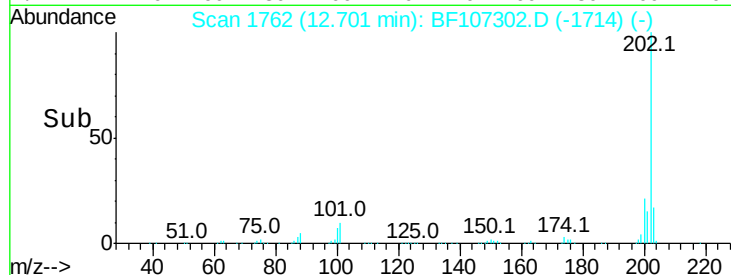
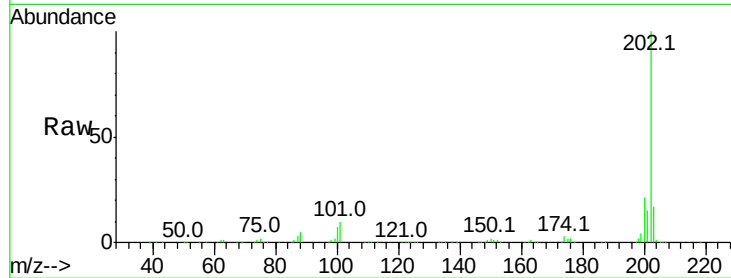
#74
 Fluoranthene
 Concen: 39.719 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampled :
 EP-6-N1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	34.1
203	17.3	0.0	38.1

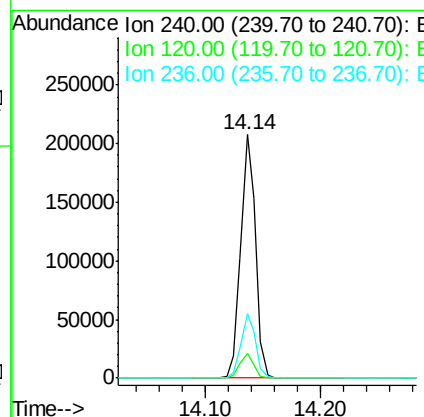
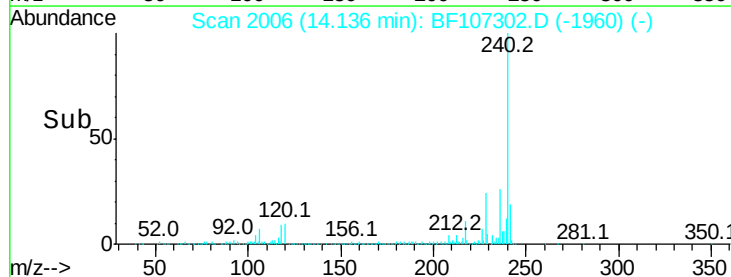
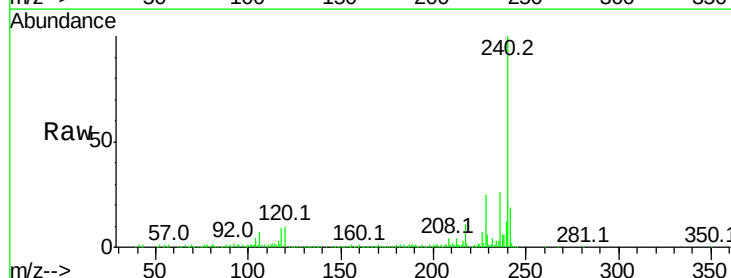
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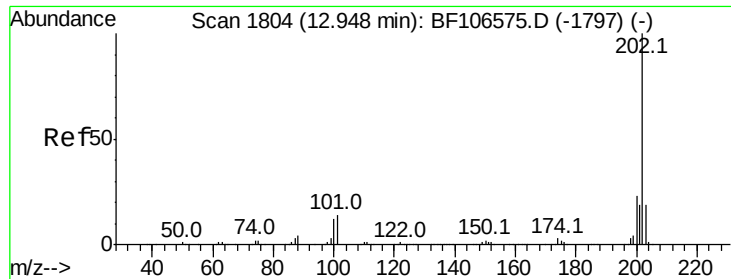
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.03 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.2	20.7	31.1





#77

Pvrene

Concen: 26.040 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF107302.D

Acq: 11 Jul 2018 16:12

Instrument :

BNA_F

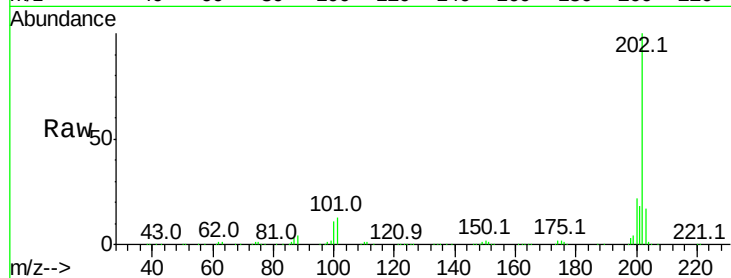
ClientSampleId :

EP-6-N1DL

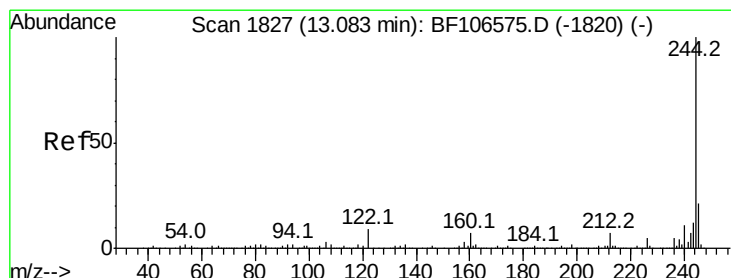
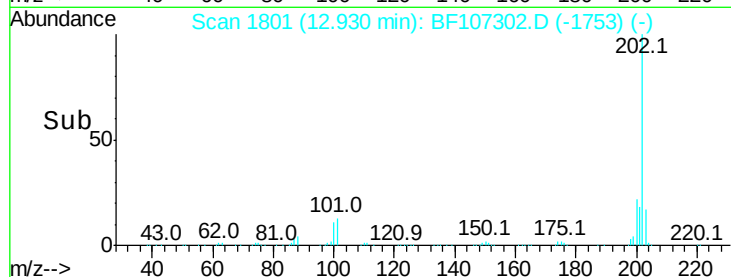
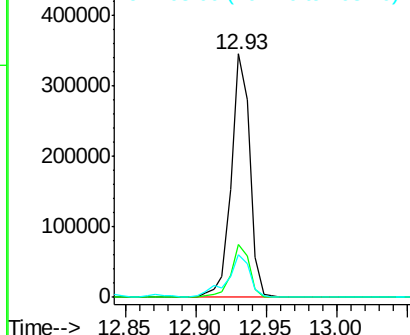
Tot Ion:	202	Resp:	316293
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.3	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 5.948 ng

RT: 13.06 min Scan# 1823

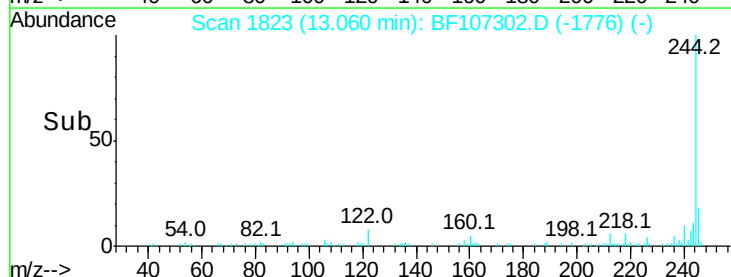
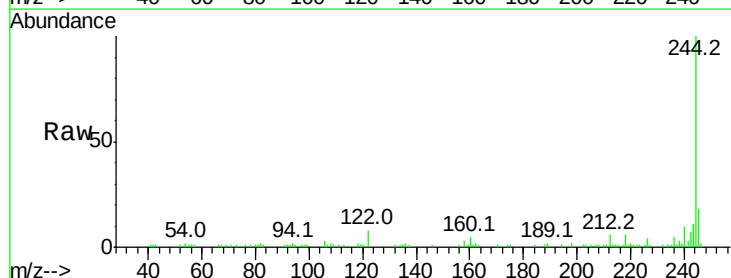
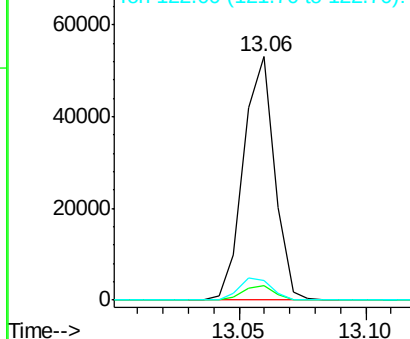
Delta R.T. -0.02 min

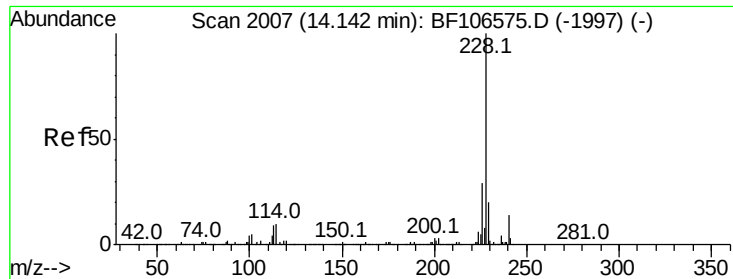
Lab File: BF107302.D

Acq: 11 Jul 2018 16:12

Tgt Ion:	244	Resp:	45234
Ion Ratio		Lower	Upper
244	100		
212	6.2	5.4	8.0
122	7.9	11.0	16.4#

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





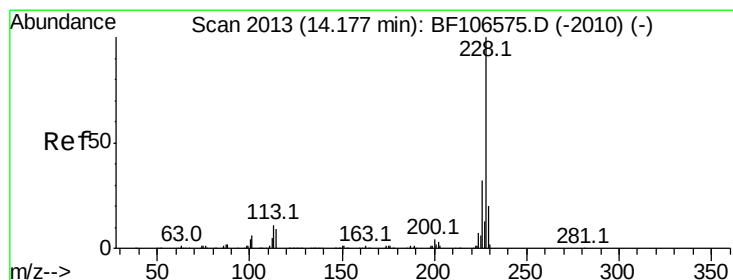
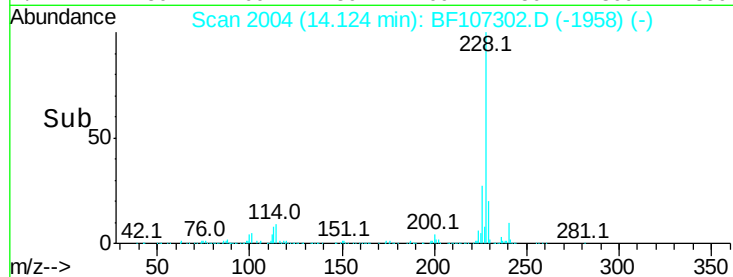
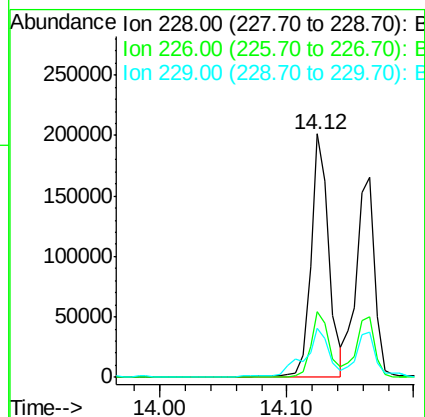
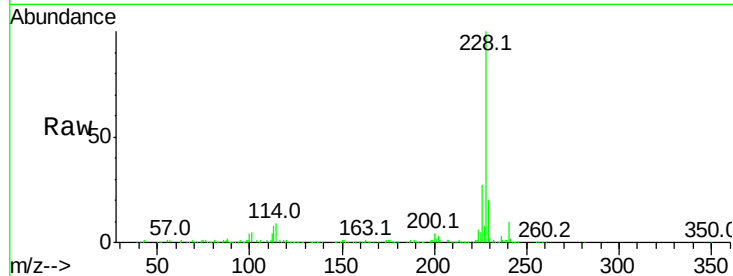
#80
Benzo(a)anthracene
Concen: 17.634 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Instrument :
BNA_F
ClientSampled :
EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	19.9	15.8	23.6

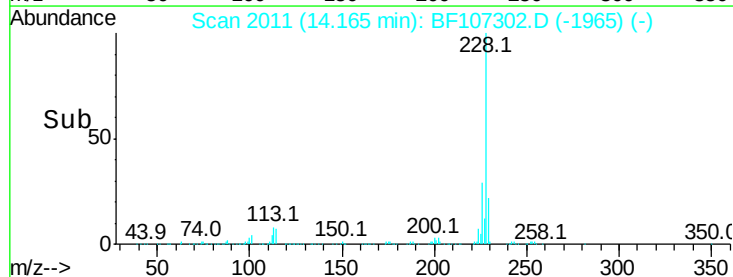
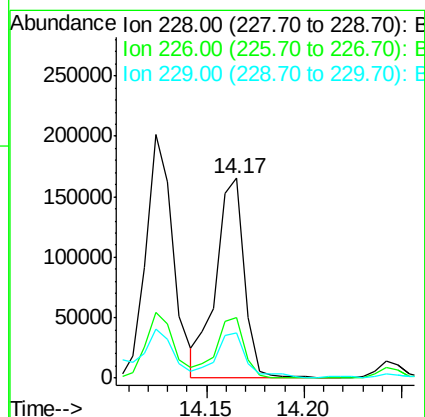
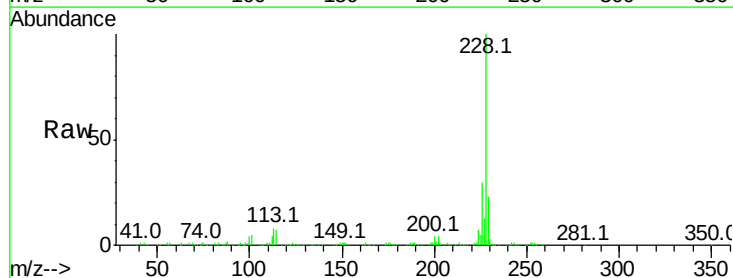
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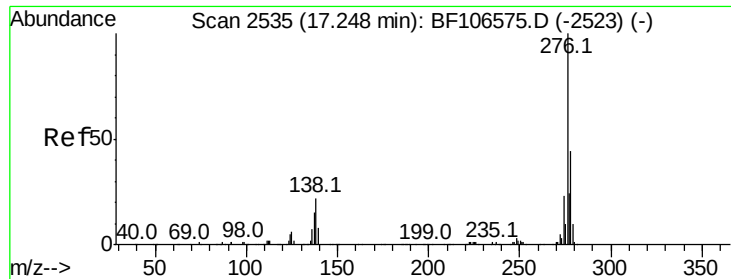
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#82
Chrysene
Concen: 16.164 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.9	16.2	24.4





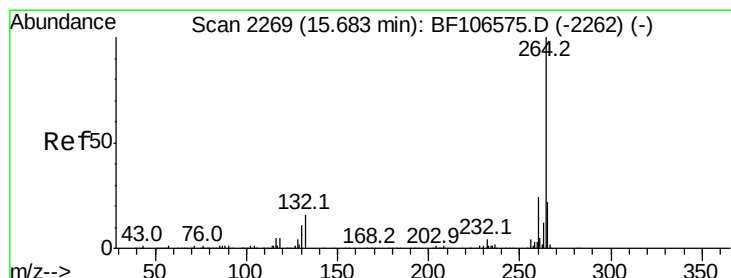
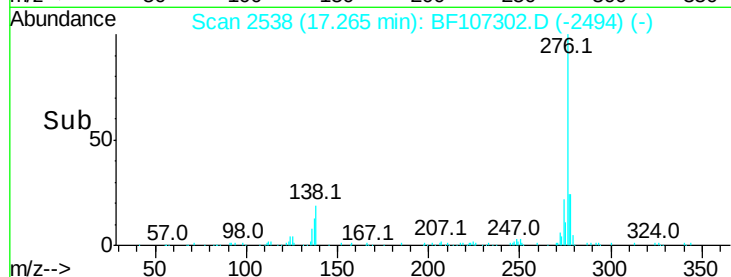
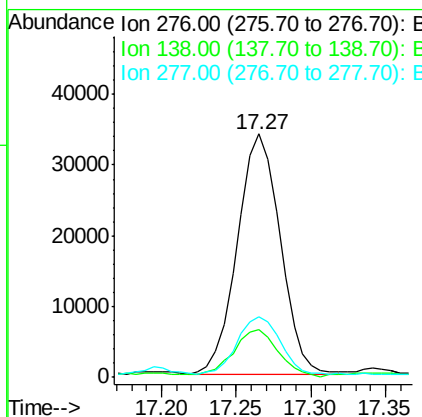
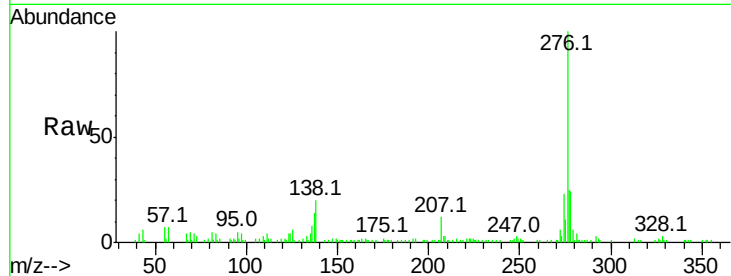
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.753 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.04 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	25.0	37.6#
277	24.1	20.1	30.1

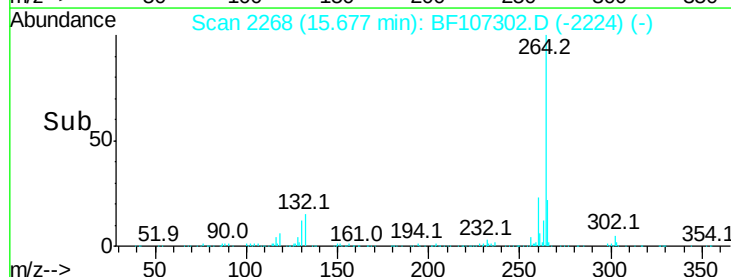
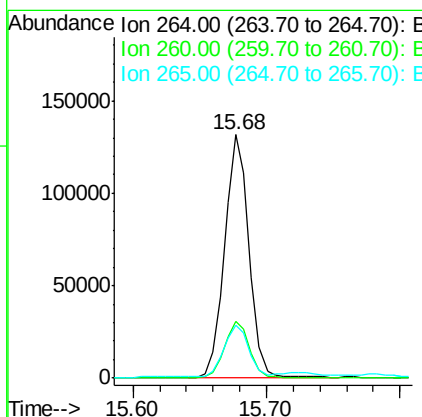
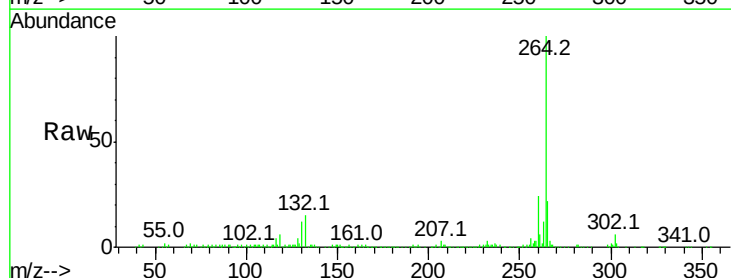
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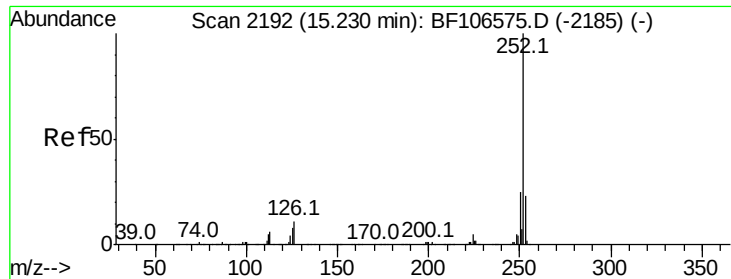
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.04 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3





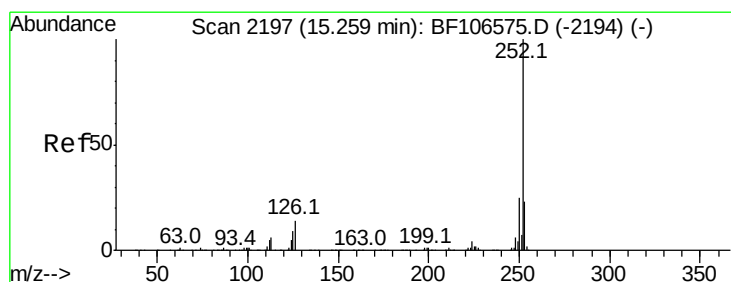
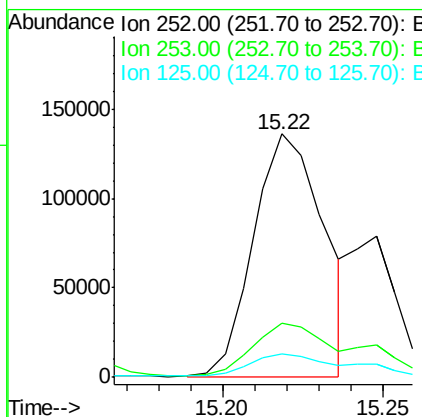
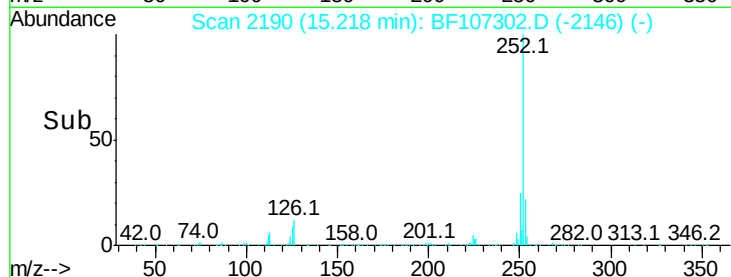
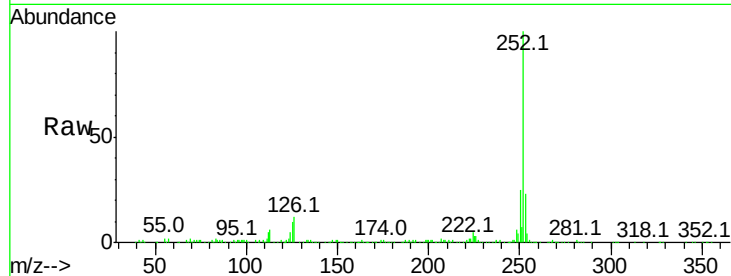
#87
Benzo(b)fluoranthene
Concen: 19.620 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Instrument :
BNA_F
ClientSampleId :
EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	9.6	9.0	13.6

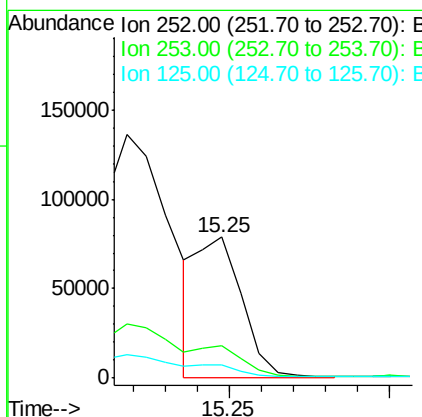
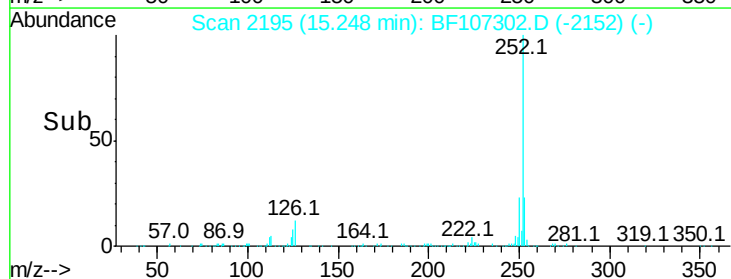
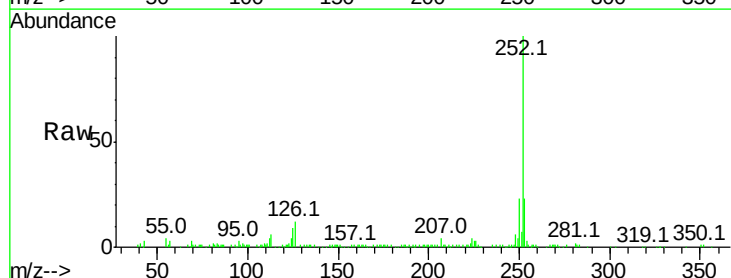
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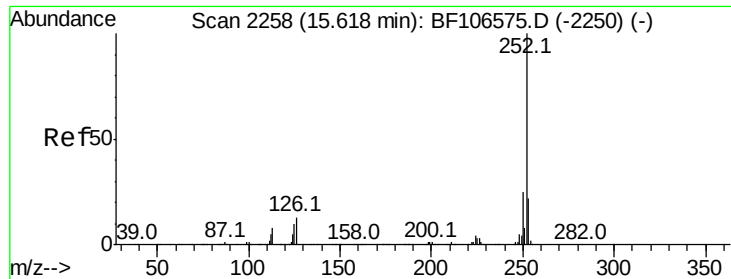
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.677 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	9.0	10.2	15.2#





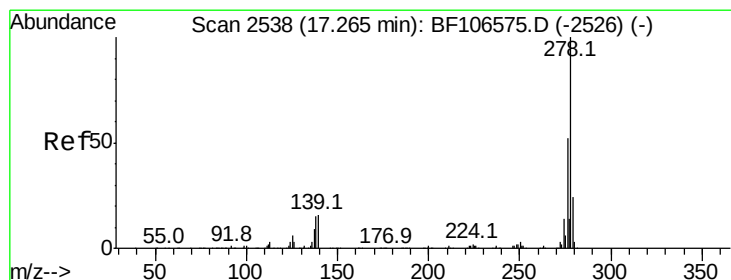
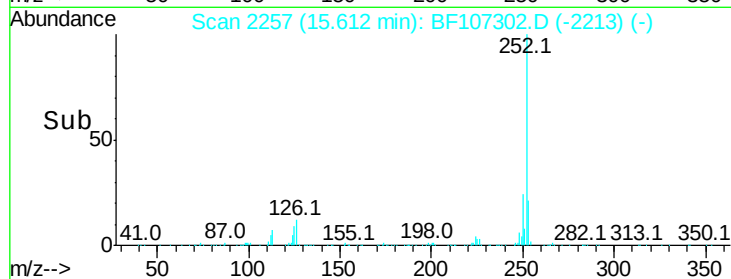
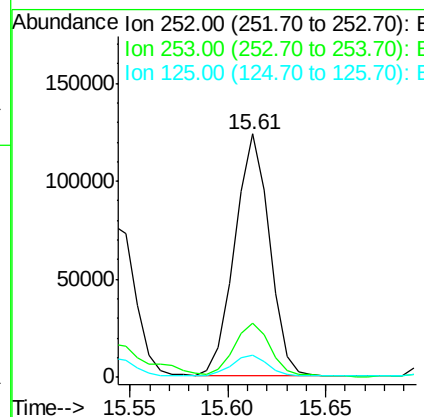
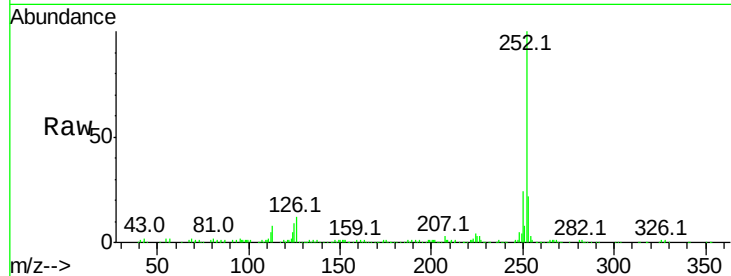
#89
Benzo(a)pyrene
Concen: 16.276 ng m
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Instrument :
BNA_F
ClientSampleId :
EP-6-N1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.1	9.8	14.6

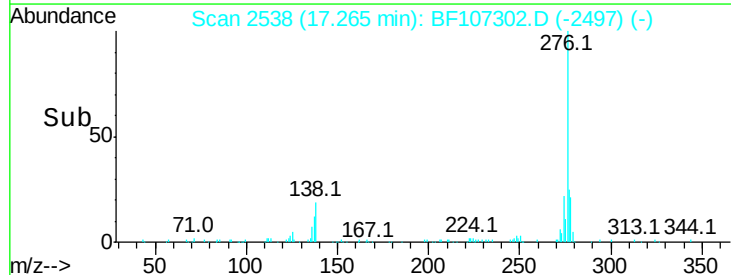
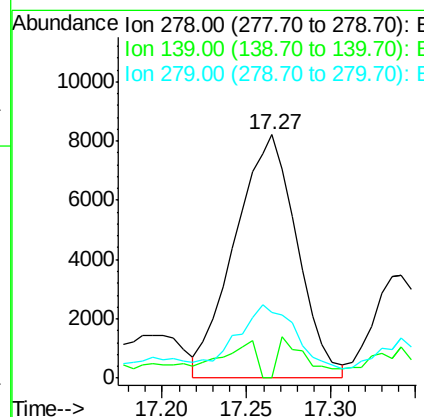
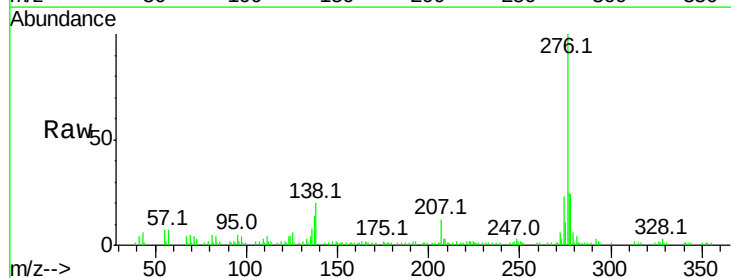
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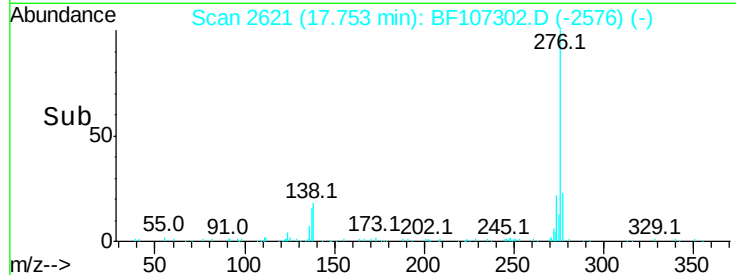
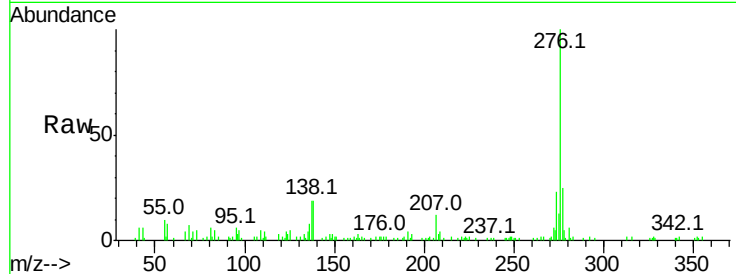
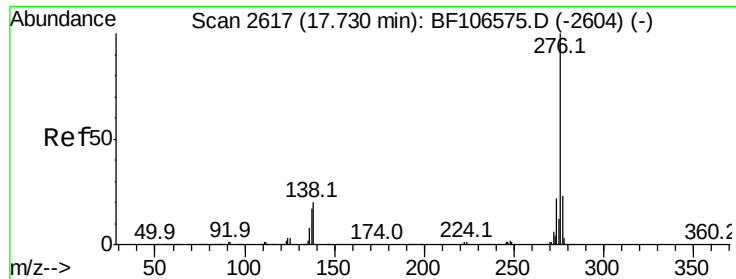
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.639 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107302.D
Acq: 11 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	27.0	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.990 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. -0.04 min
 Lab File: BF107302.D
 Acq: 11 Jul 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1DL

Tot Ion:	276	Resp:	62178
Ion Ratio	Lower	Upper	
276	100		
277	25.1	17.9	26.9
138	19.0	21.8	32.8#

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