

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107308.D
 Acq On : 11 Jul 2018 18:52
 Operator : JU/SJ
 Sample : J3914-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SMH

Manual Integrations
 APPROVED

Sohil
 7/12/2018 2:19:36 PM

Quant Time: Jul 12 13:56:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	64221	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	237861	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	107063	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	187958	20.00	ng	0.00
75) Chrysene-d12	14.14	240	166950	20.00	ng	0.00
86) Perylene-d12	15.68	264	118706	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	386598	101.93	ng	0.01
7) Phenol-d6	6.58	99	483967	102.18	ng	0.00
23) Nitrobenzene-d5	7.50	82	308127	71.99	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	126180	101.69	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	519690	81.56	ng	0.00
78) Terphenyl-d14	13.07	244	494131	71.69	ng	0.00
Target Compounds						
10) Phenol	6.60	94	12725	2.354	ng	93
48) Acenaphthylene	9.84	152	22127	2.087	ng	98
49) Dimethylphthalate	9.69	163	115301	14.359	ng	98
70) Phenanthrene	11.50	178	202205	22.305	ng	99
71) Anthracene	11.55	178	51716	5.589	ng	99
72) Carbazole	11.72	167	21028	2.427	ng	97
74) Fluoranthene	12.71	202	418166	41.850	ng	94
77) Pyrene	12.94	202	378150	34.349	ng	100
80) Benzo(a)anthracene	14.13	228	241932	23.777	ng	99
82) Chrysene	14.17	228	204806	21.879	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	95587	12.033	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	225913m	30.637	ng	
88) Benzo(k)fluoranthene	15.25	252	79582m	11.333	ng	
89) Benzo(a)pyrene	15.62	252	152397	23.248	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	25988	4.678	ng	# 89
91) Benzo(g,h,i)perylene	17.77	276	95323	17.555	ng	# 89

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

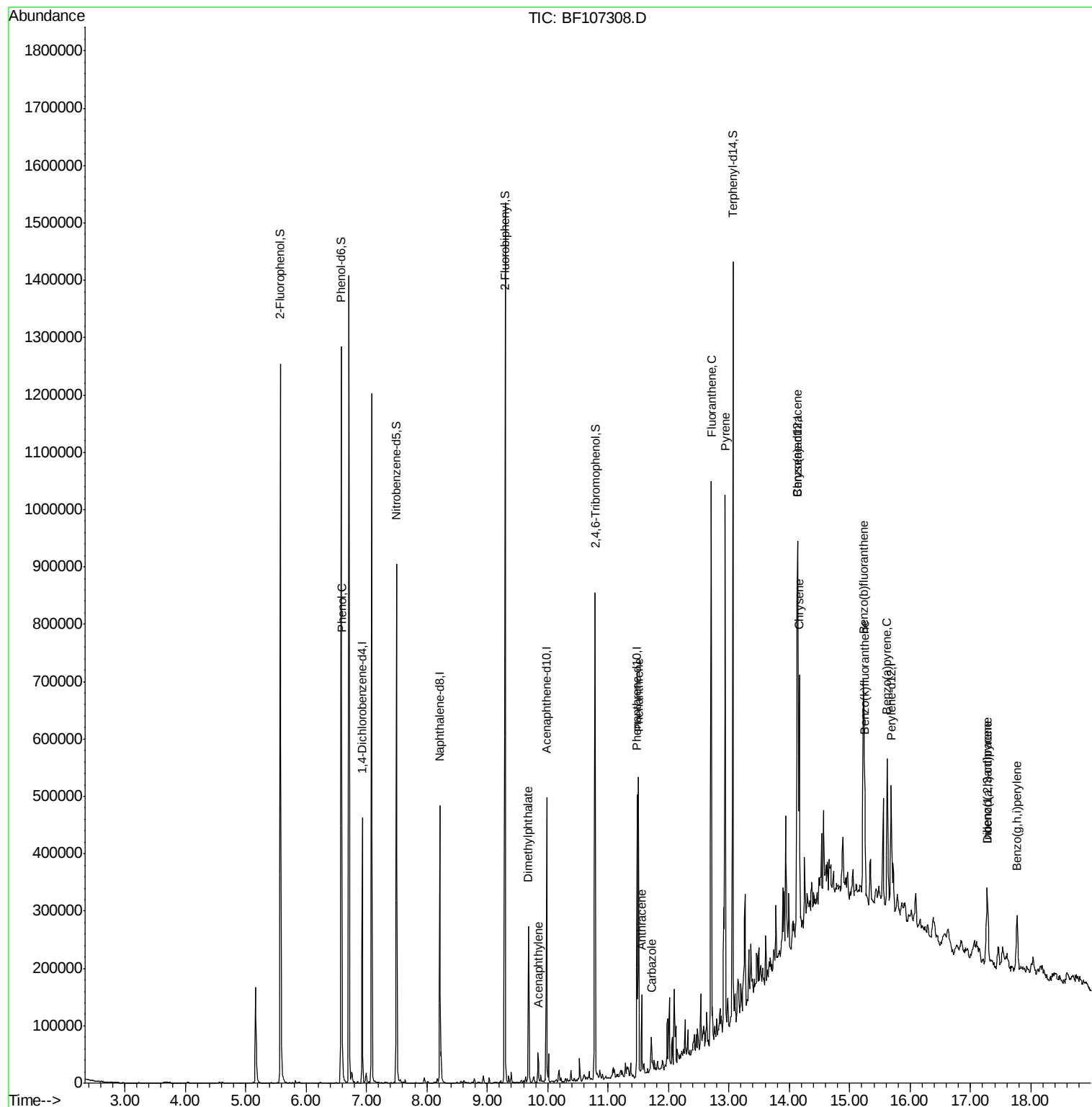
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

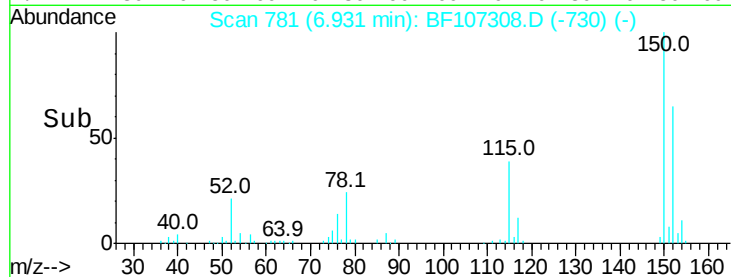
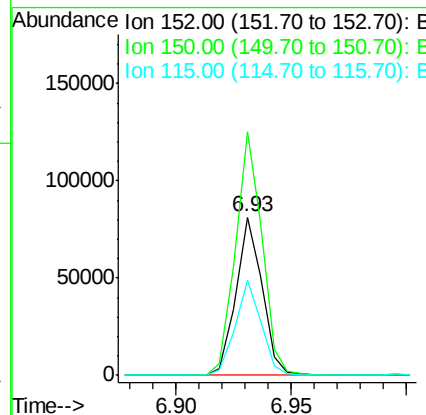
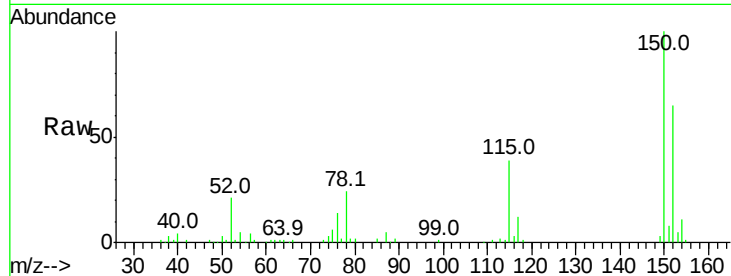
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampled :
SMH

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	59.7	50.1	75.1

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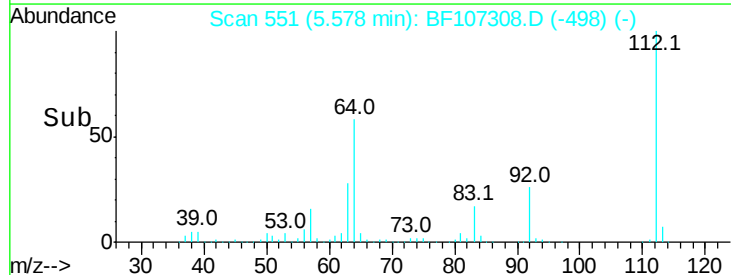
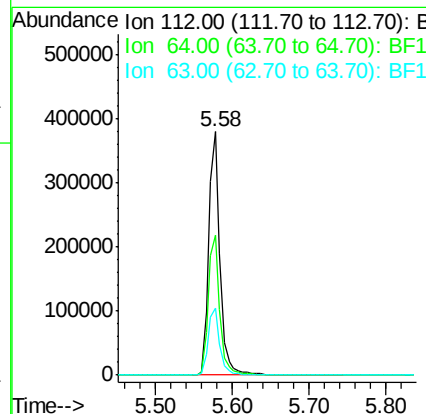
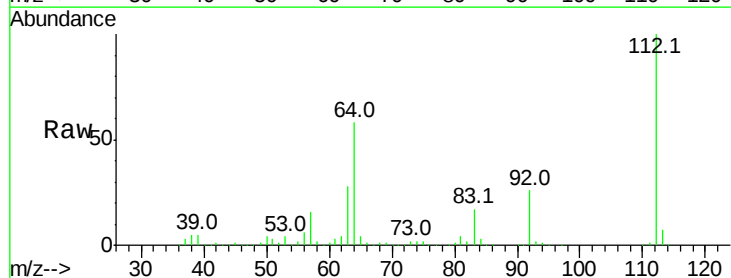
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#5

2-Fluorophenol
Concen: 101.934 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 102.184 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Instrument :

BNA_F

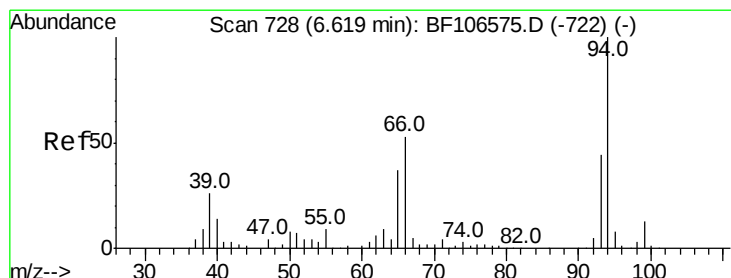
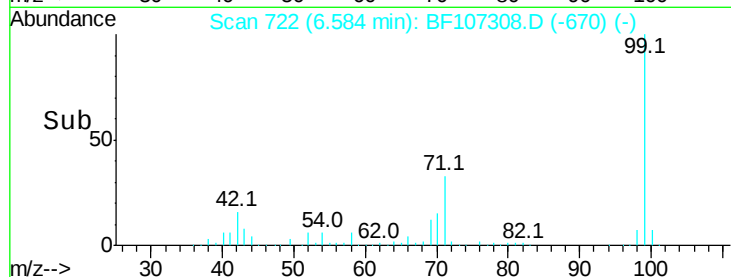
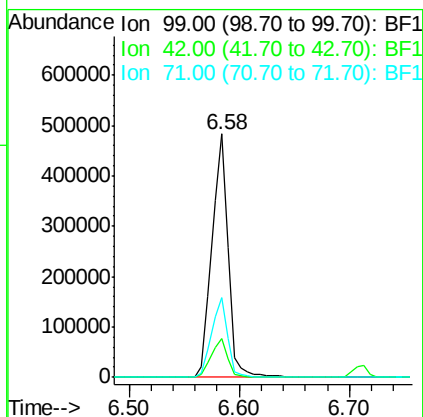
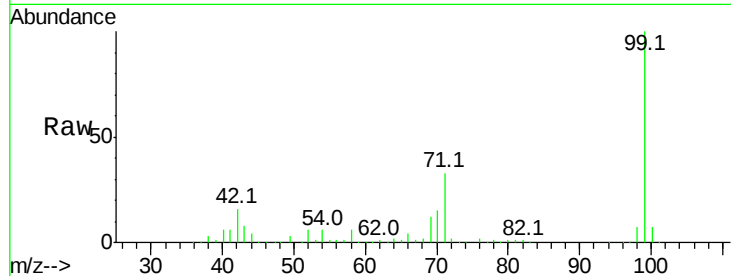
ClientSampled :

SMH

Tot Ion:	99	Resp:	483967
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	32.7	25.4	38.0

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#10

Phenol

Concen: 2.354 ng

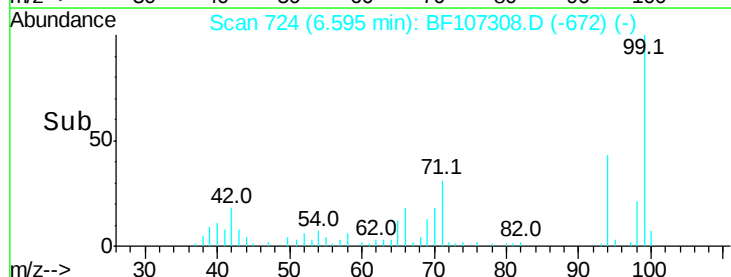
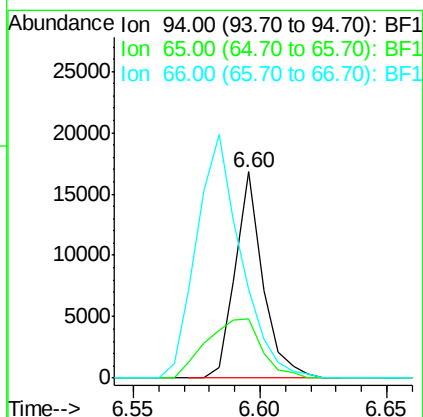
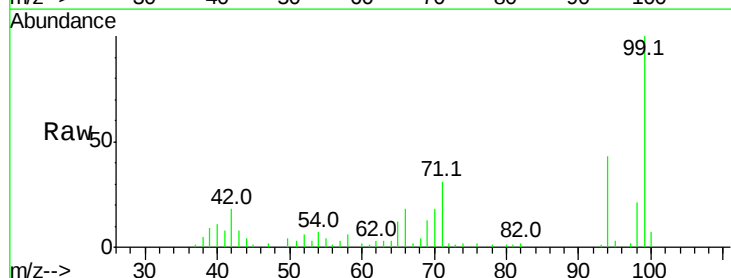
RT: 6.60 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Tgt Ion:	94	Resp:	12725
Ion Ratio	Lower	Upper	
94	100		
65	28.5	7.9	47.9
66	42.8	16.2	56.2





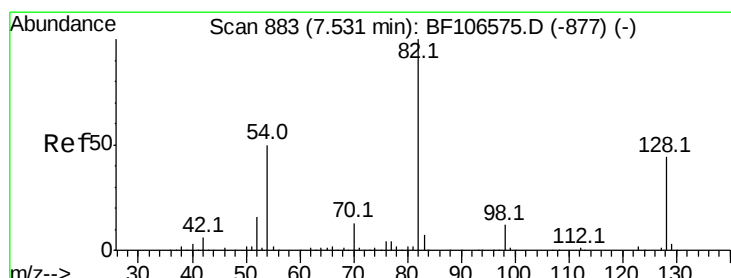
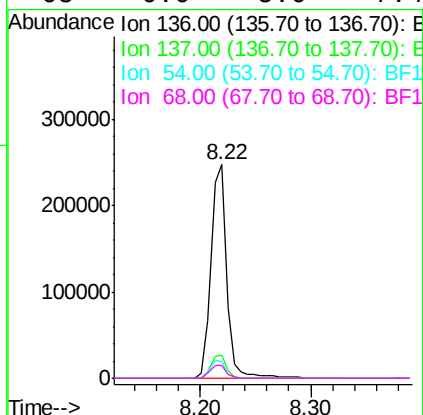
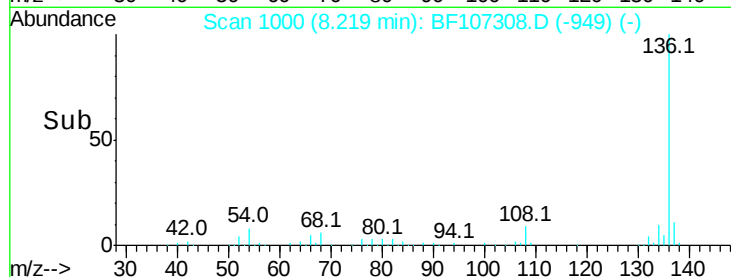
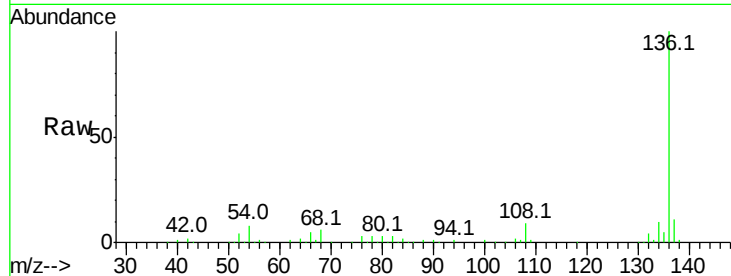
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampleId :
SMH

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	7.7	6.6	9.8	
68	6.0	5.0	7.4	

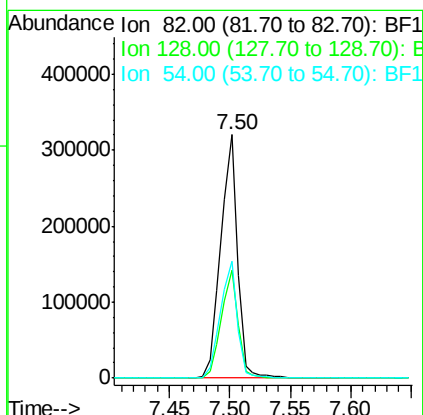
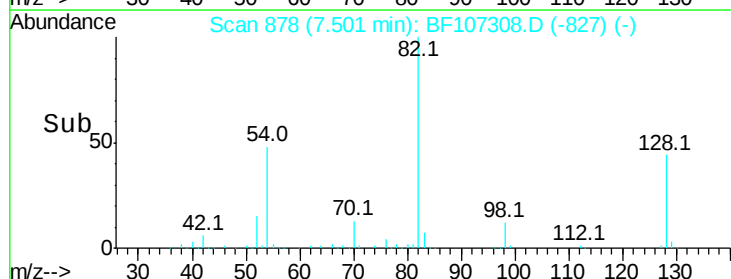
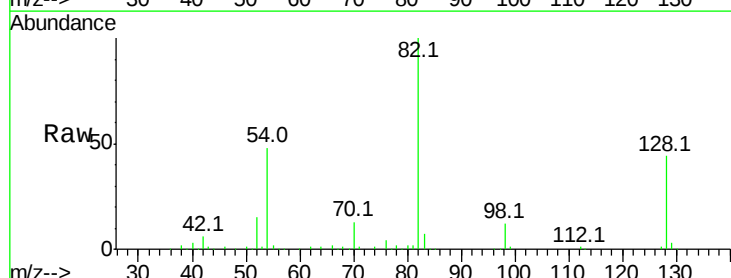
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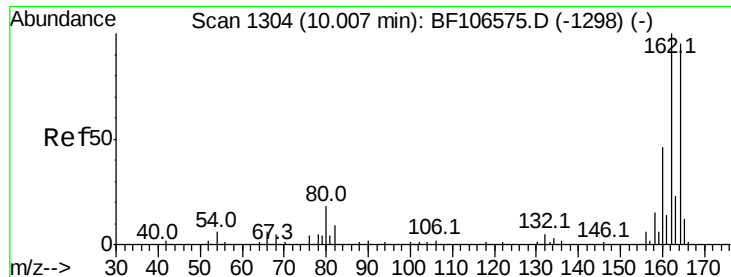
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#23
Nitrobenzene-d5
Concen: 71.990 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.2	36.1	54.1	
54	47.9	41.4	62.2	





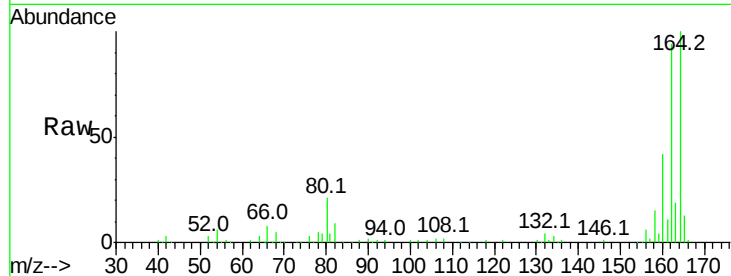
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampleId :
SMH

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.3	86.1	129.1
160	42.4	38.3	57.5

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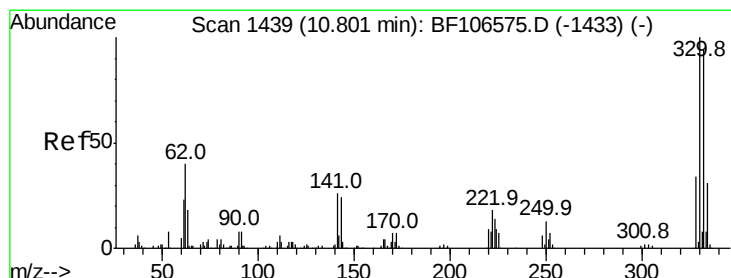
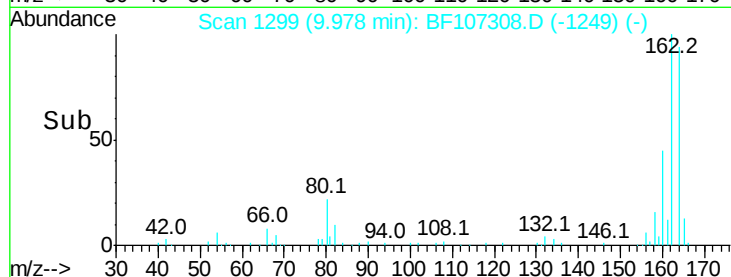
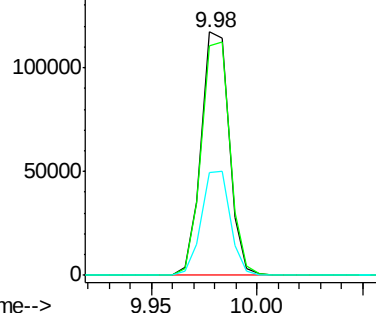


Abundance

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: 101.685 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

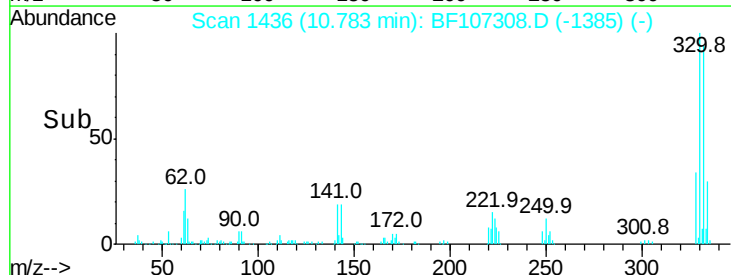
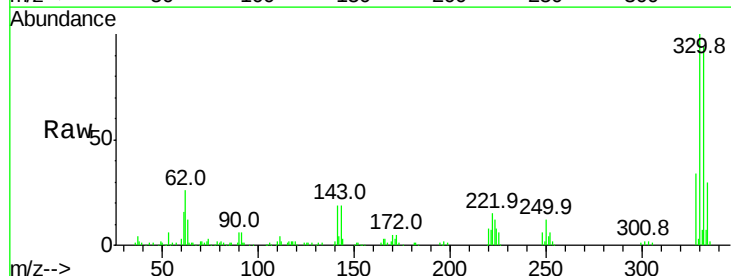
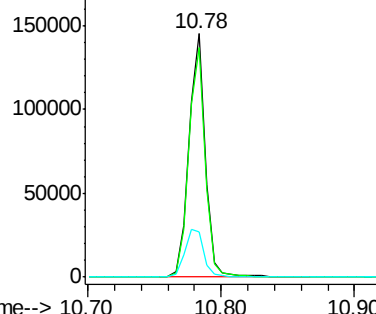
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	22.9	29.9	44.9#

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





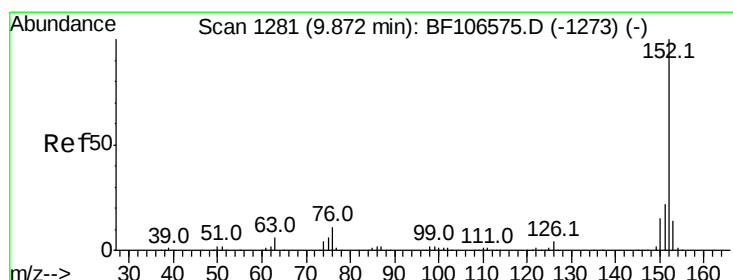
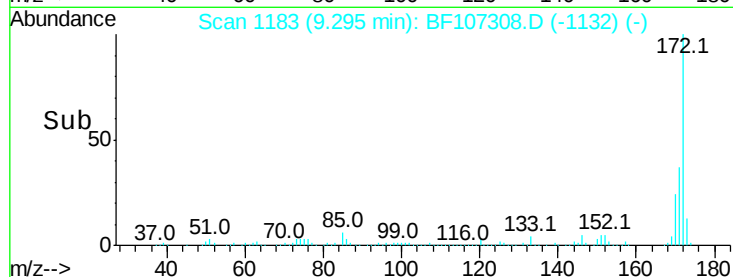
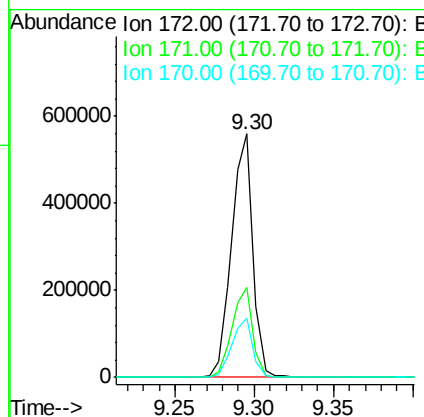
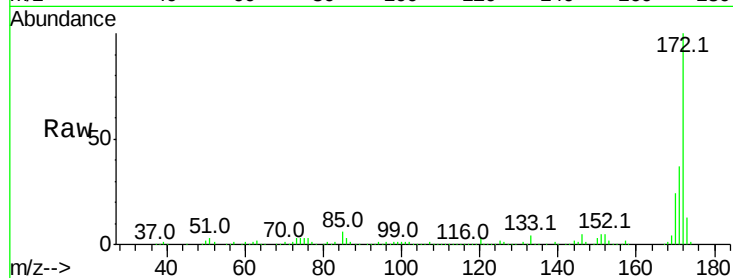
#44
 2-Fluorobiphenyl
 Concen: 81.565 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF107308.D
 Acq: 11 Jul 2018 18:52

Instrument :
 BNA_F
 ClientSampleId :
 SMH

Tot Ion	Ratio	Resp	Lower	Upper
172	100	519690		
171	37.0		29.7	44.5
170	24.4		19.6	29.4

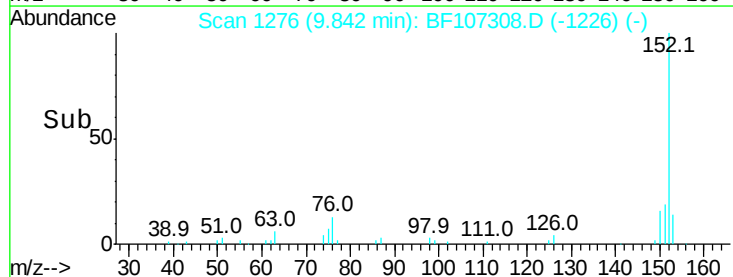
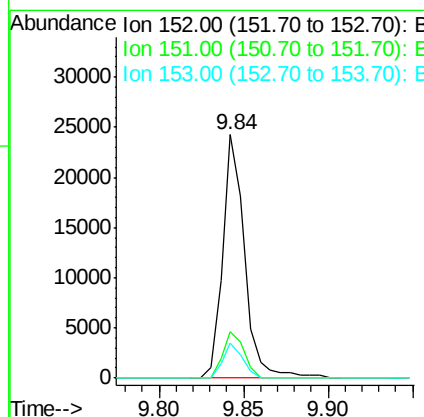
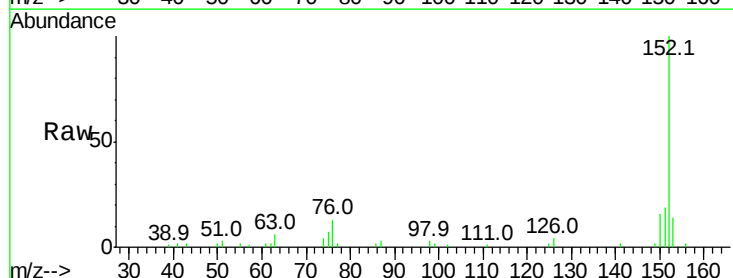
Manual Integrations
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#48
 Acenaphthylene
 Concen: 2.087 ng
 RT: 9.84 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF107308.D
 Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	22127		
151	19.4		16.3	24.5
153	14.4		10.7	16.1





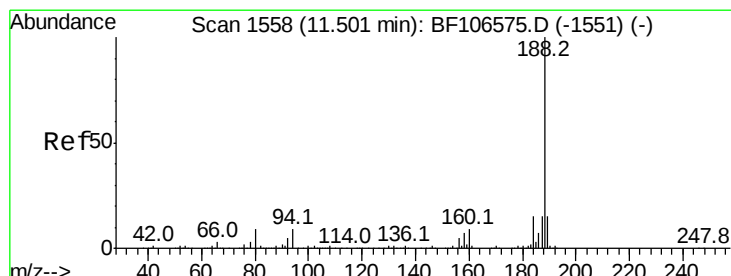
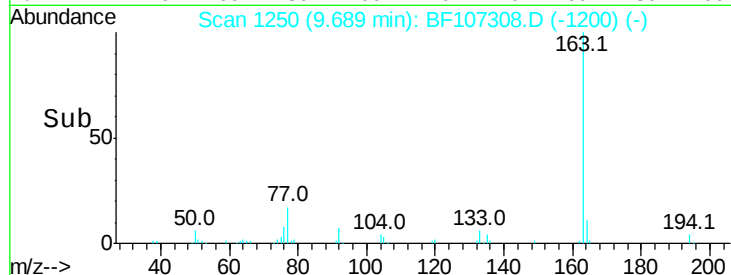
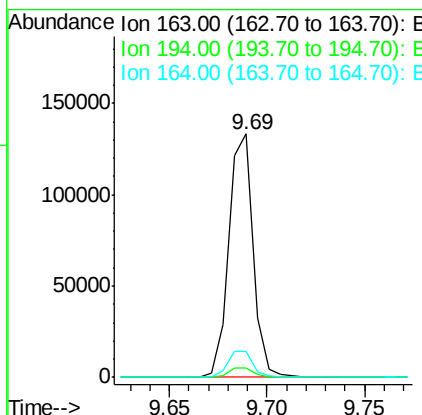
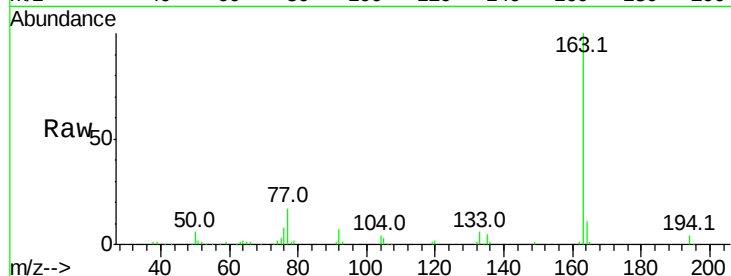
#49
Dimethylphthalate
Concen: 14.359 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampled :
SMH

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.9	8.2	12.2	

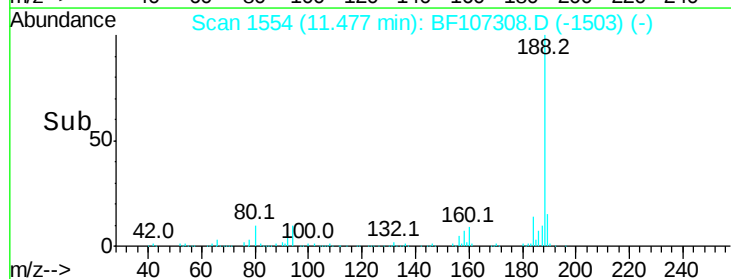
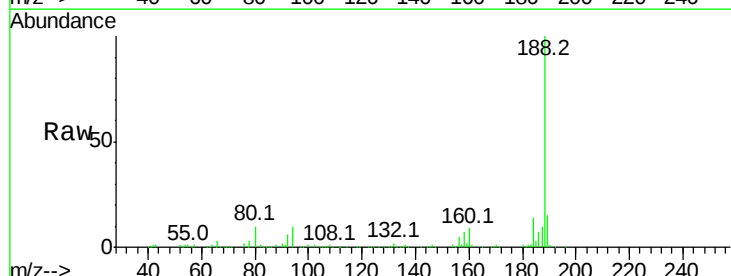
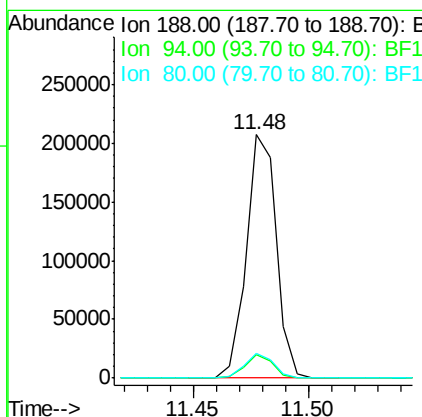
Manual Integrations
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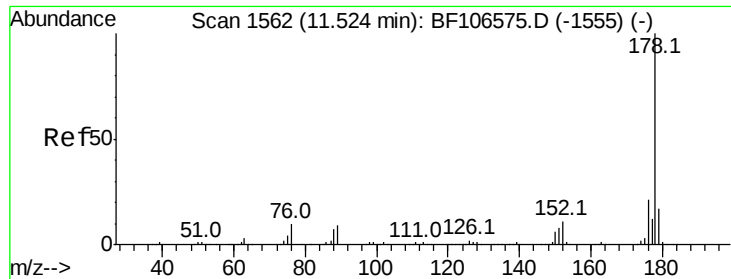
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.6	8.5	12.7	
80	10.0	9.2	13.8	





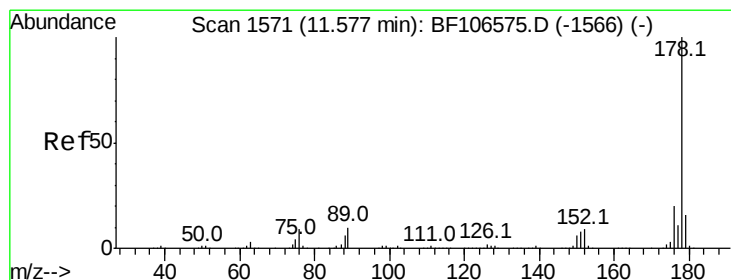
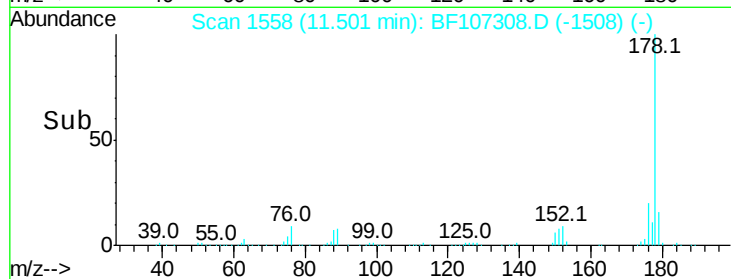
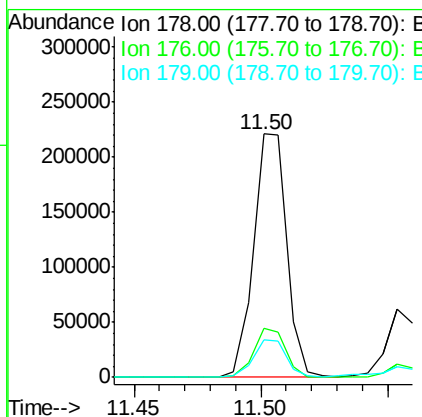
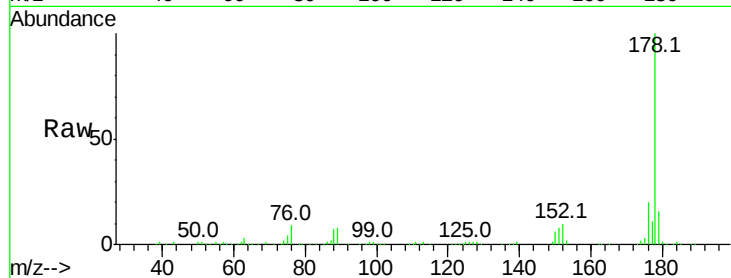
#70
Phenanthrene
Concen: 22.305 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampled :
SMH

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	13.0	19.6

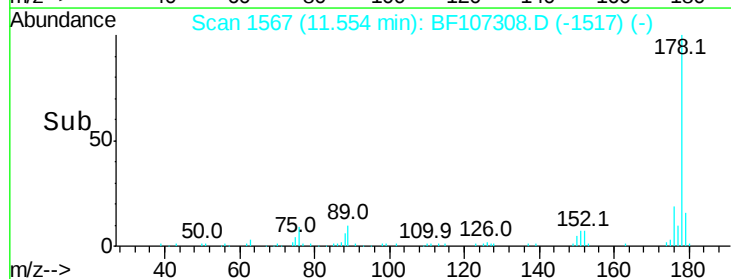
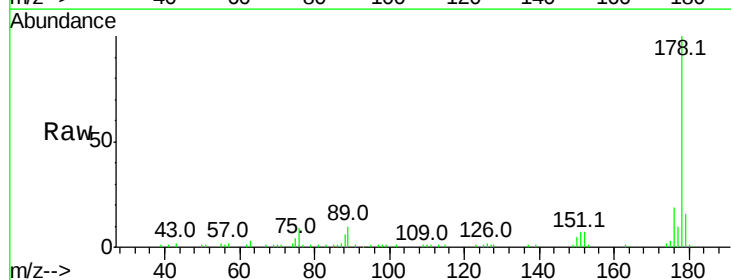
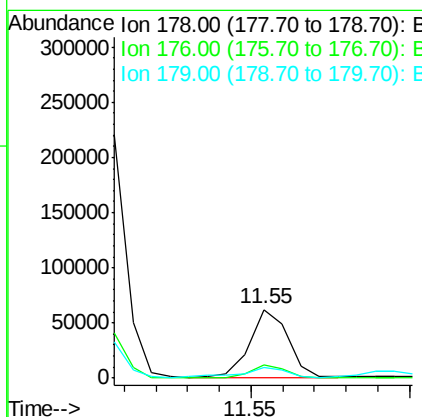
Manual Integrations
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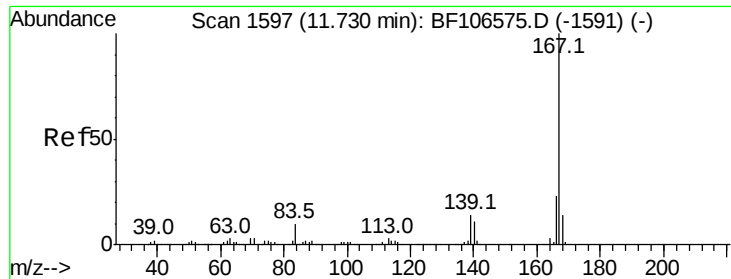
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#71
Anthracene
Concen: 5.589 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.0	12.6	19.0





#72

Carbazole

Concen: 2.427 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Instrument :

BNA_F

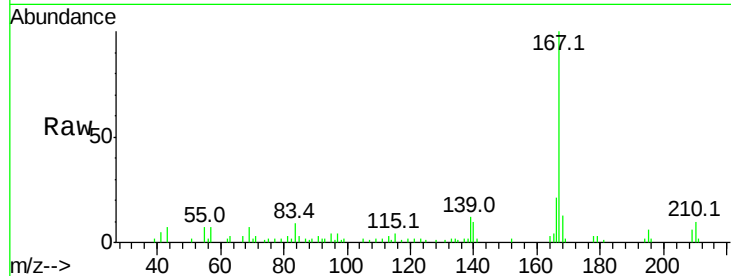
ClientSampleId :

SMH

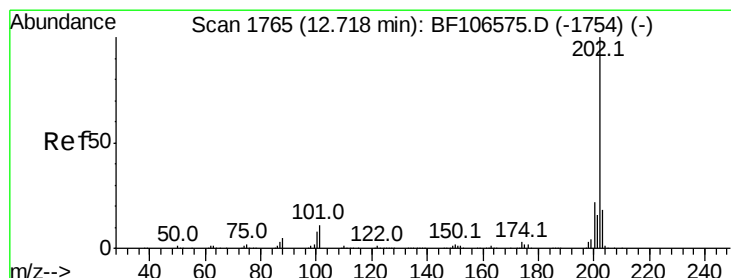
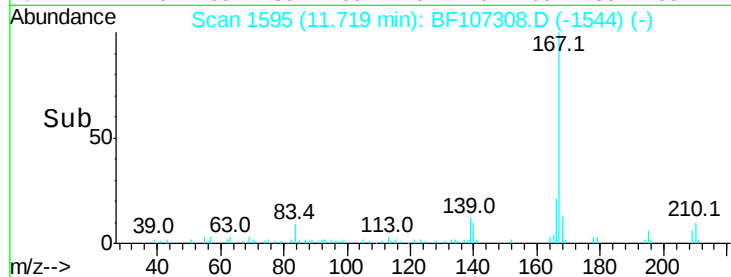
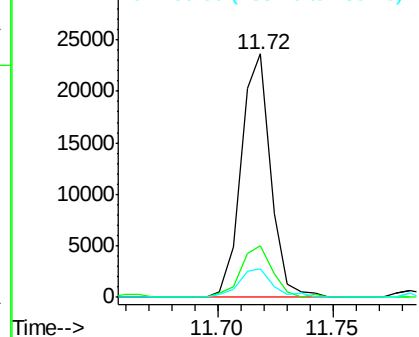
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	11.8	10.9	16.3

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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: 41.850 ng

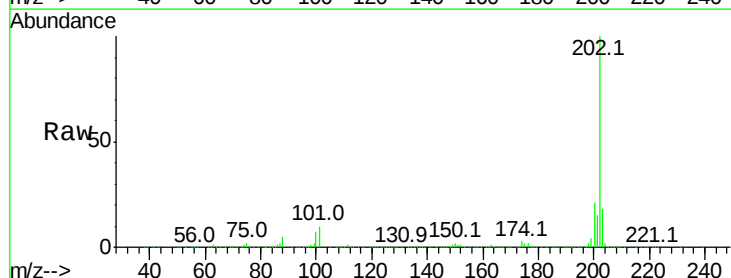
RT: 12.71 min Scan# 1763

Delta R.T. 0.01 min

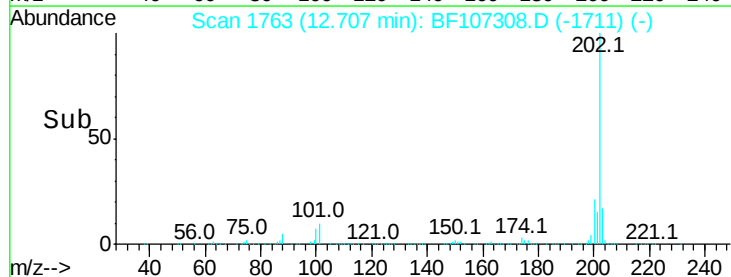
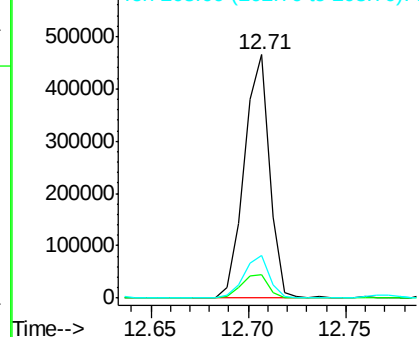
Lab File: BF107308.D

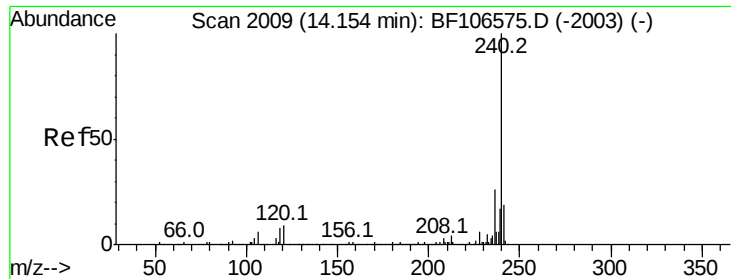
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Instrument :

BNA_F

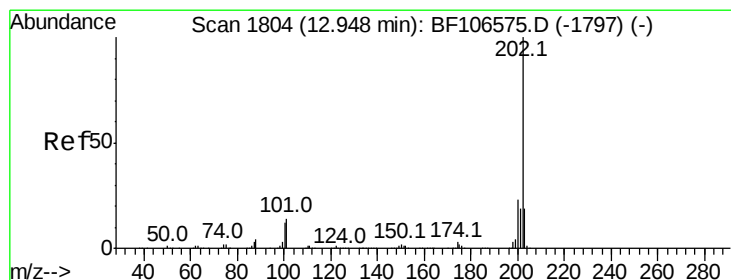
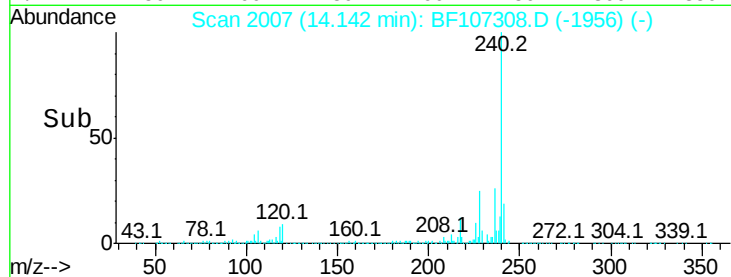
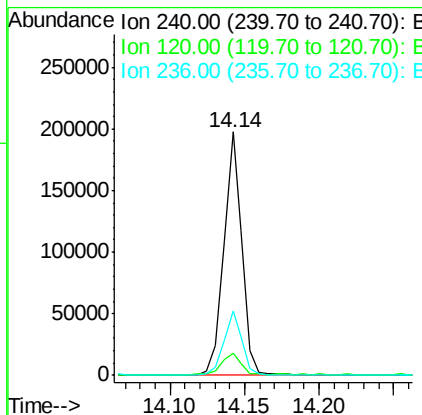
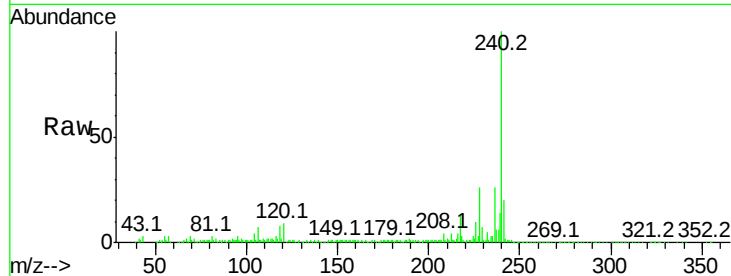
ClientSampleId :

SMH

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 34.349 ng

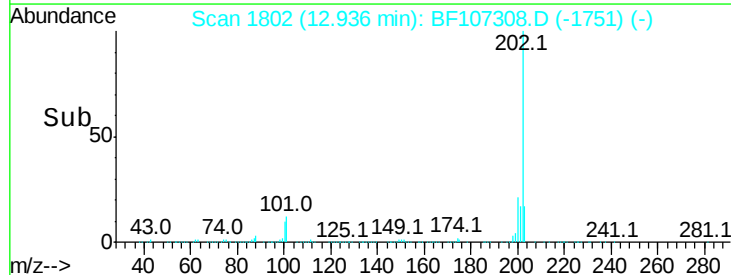
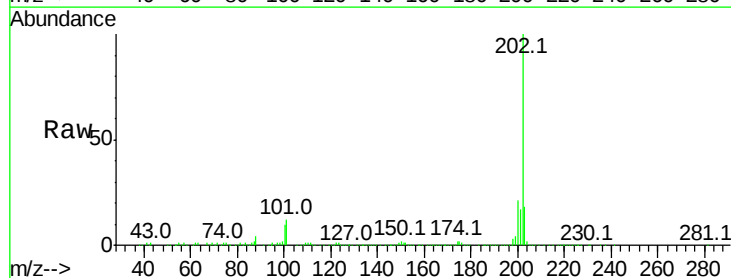
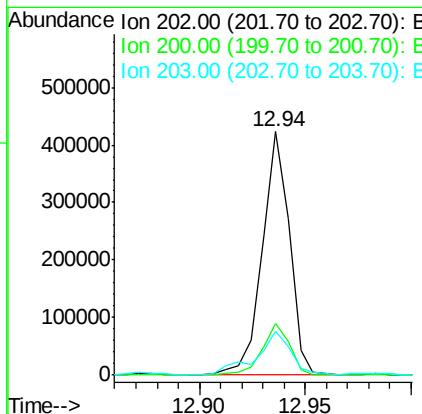
RT: 12.94 min Scan# 1802

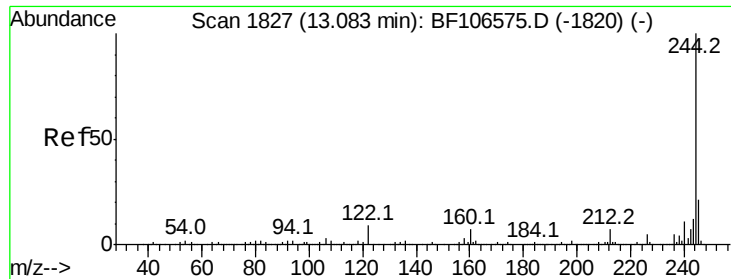
Delta R.T. -0.00 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5





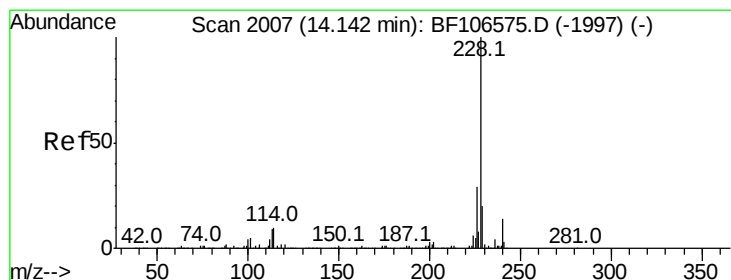
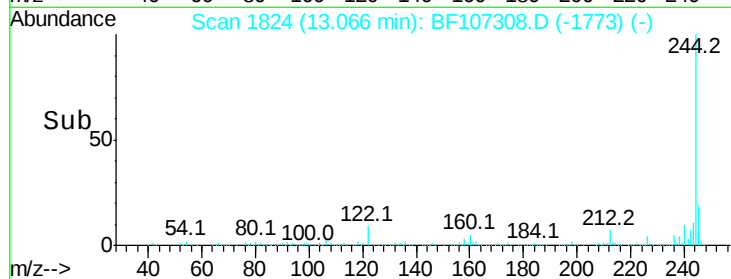
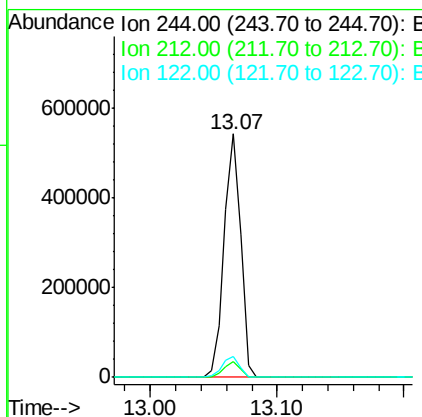
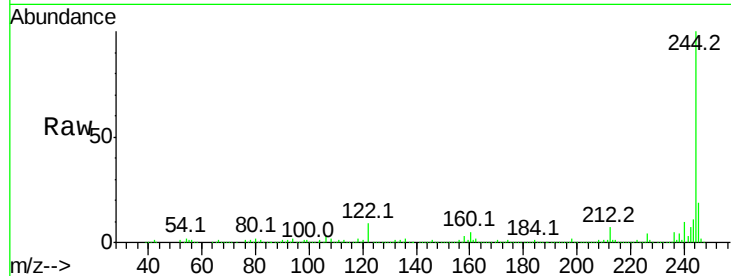
#78
 Terphenyl-d14
 Concen: 71.694 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF107308.D
 Acq: 11 Jul 2018 18:52

Instrument :
 BNA_F
 ClientSampled :
 SMH

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.8	11.0	16.4

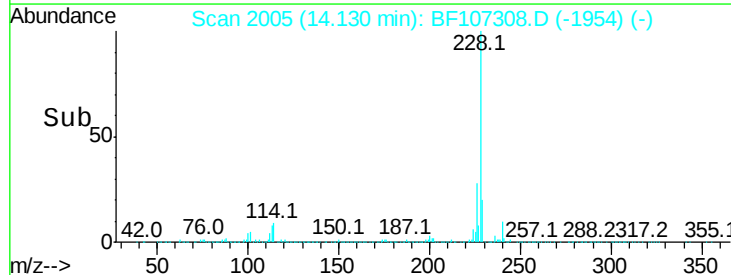
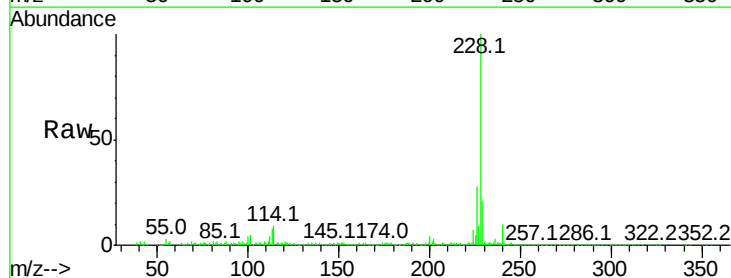
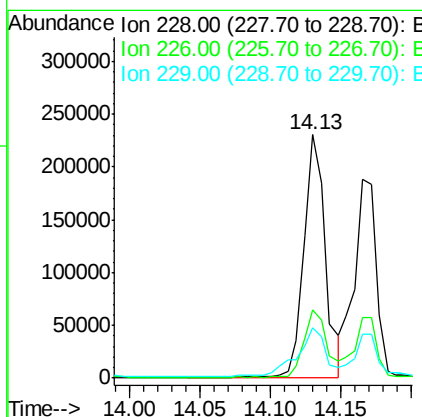
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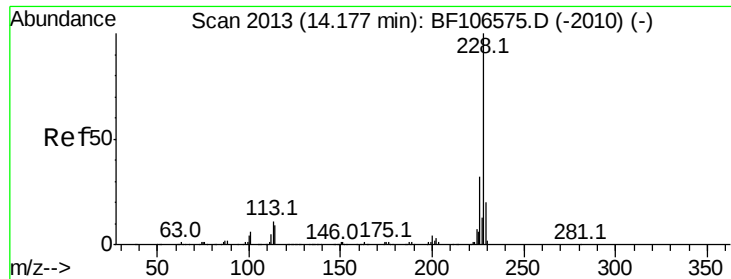
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#80
 Benzo(a)anthracene
 Concen: 23.777 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BF107308.D
 Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 21.879 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Instrument :

BNA_F

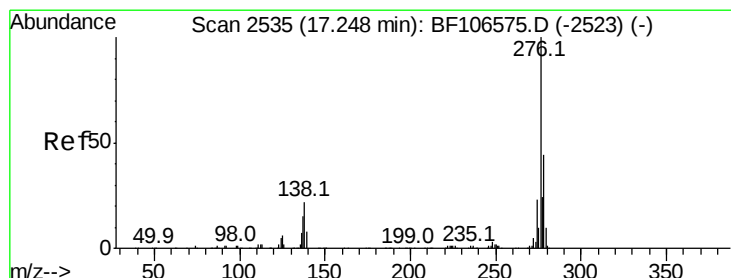
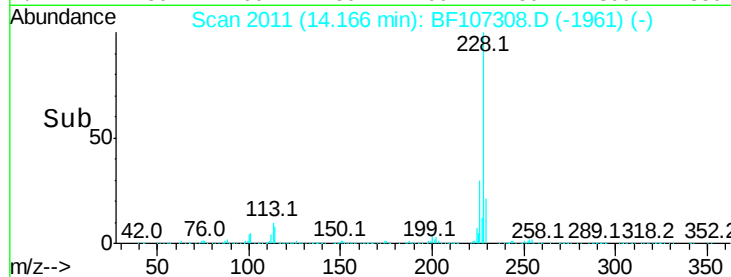
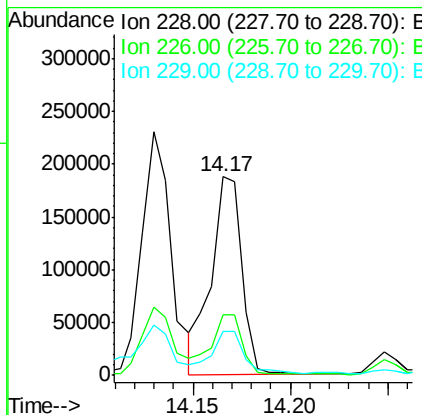
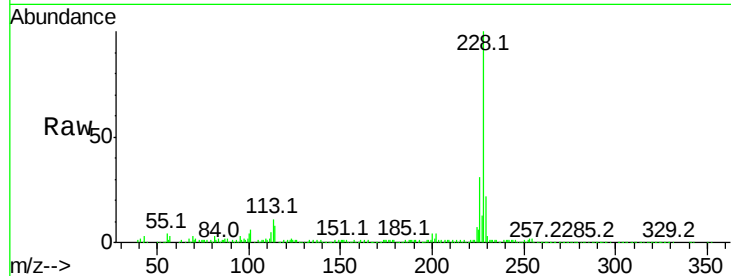
ClientSampled :

SMH

Tot Ion:	228	Resp:	204806
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.2	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.033 ng

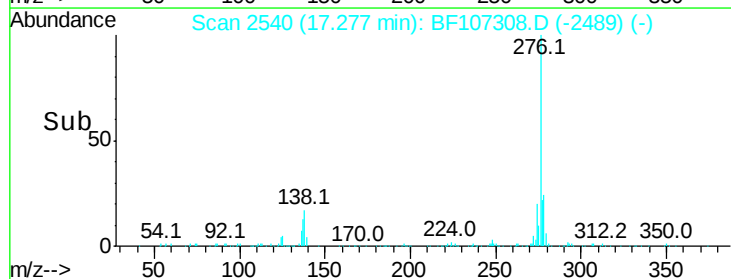
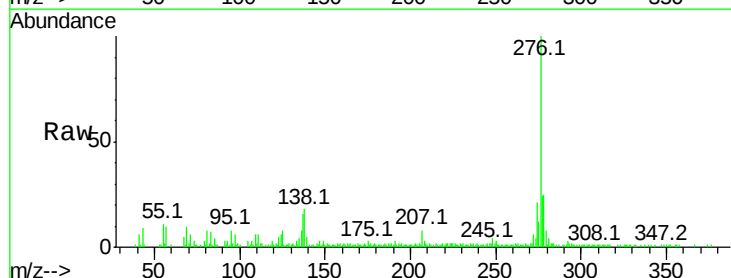
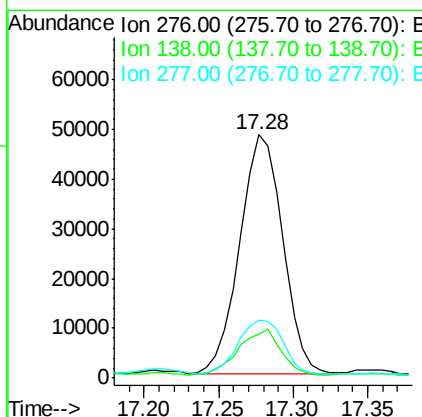
RT: 17.28 min Scan# 2540

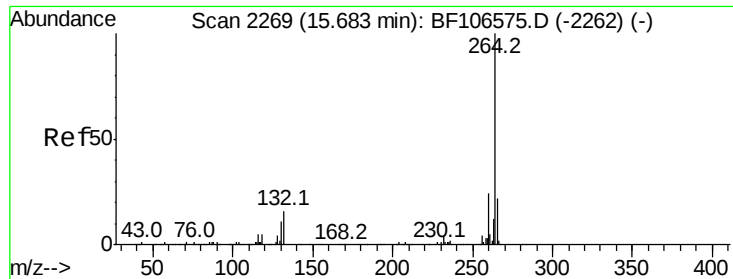
Delta R.T. -0.00 min

Lab File: BF107308.D

Acq: 11 Jul 2018 18:52

Tgt Ion:	276	Resp:	95587
Ion Ratio	Lower	Upper	
276	100		
138	19.0	25.0	37.6#
277	23.7	20.1	30.1





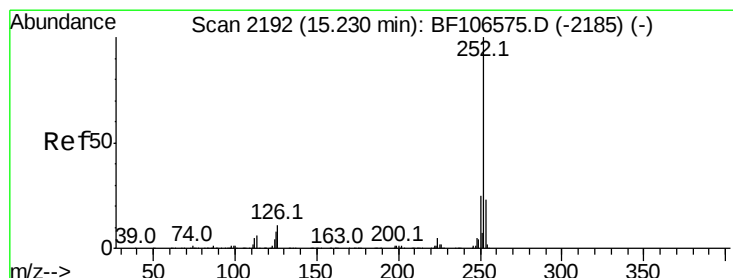
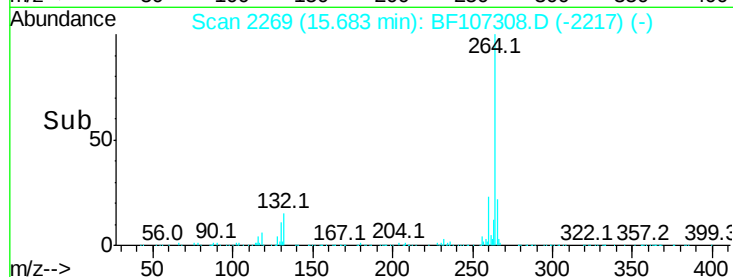
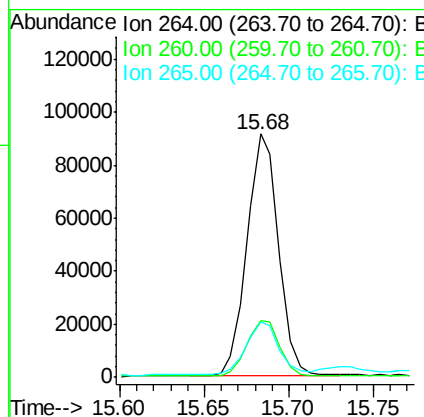
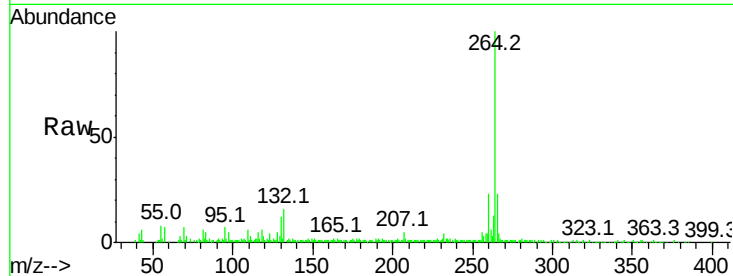
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampleId :
SMH

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.9	17.5	26.3

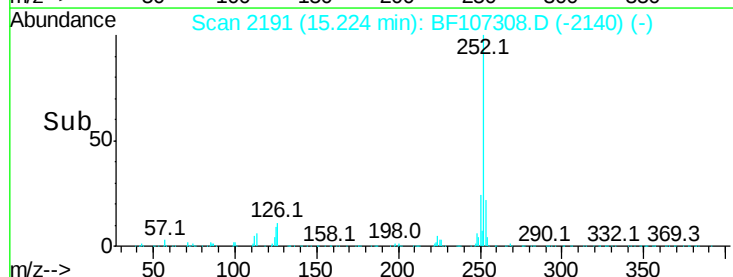
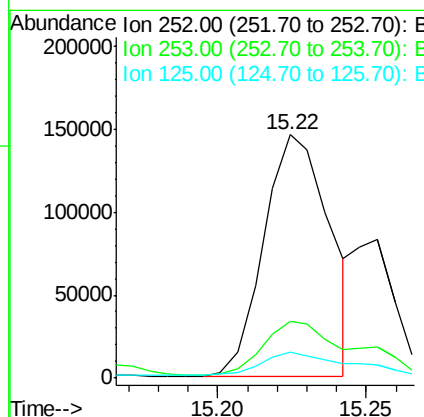
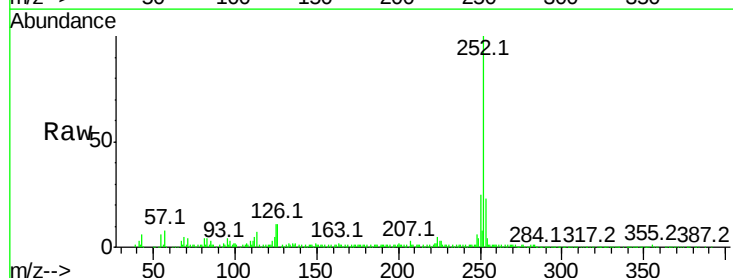
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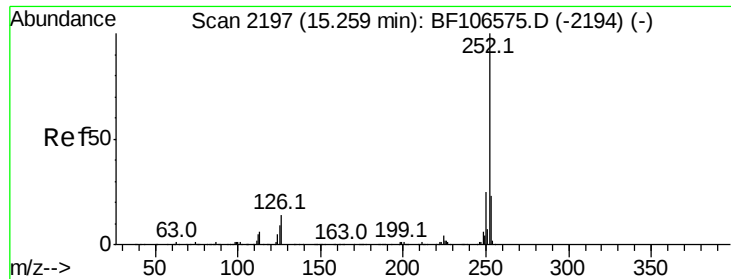
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#87
Benzo(b)fluoranthene
Concen: 30.637 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	10.6	9.0	13.6





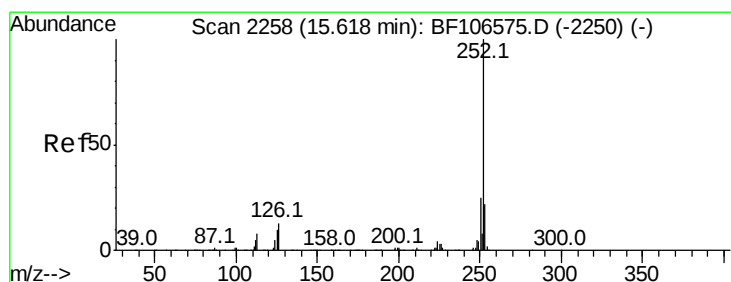
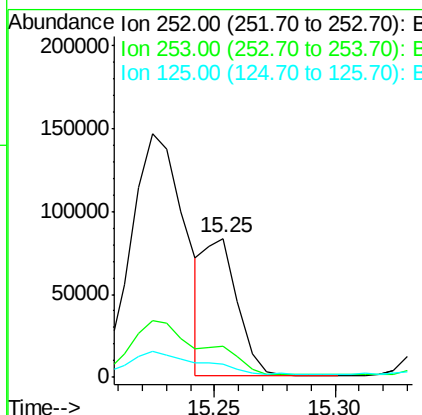
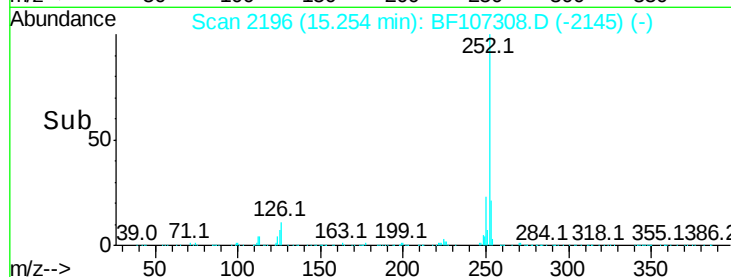
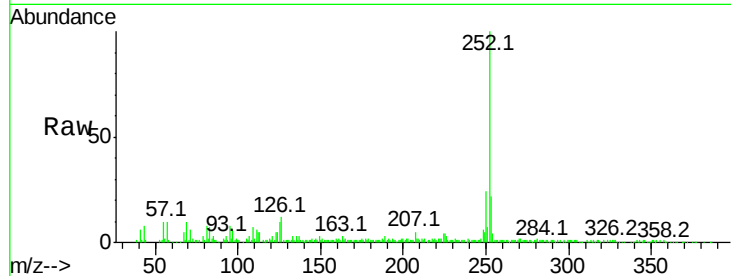
#88
Benzo(k)fluoranthene
Concen: 11.333 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampleId :
SMH

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	9.6	10.2	15.2#

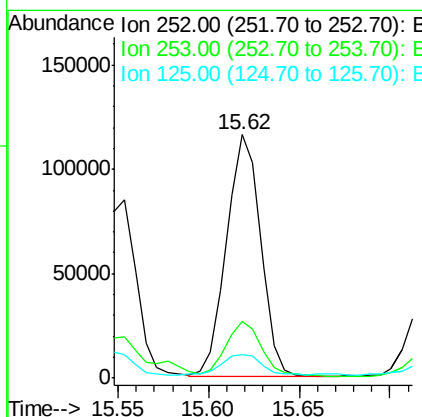
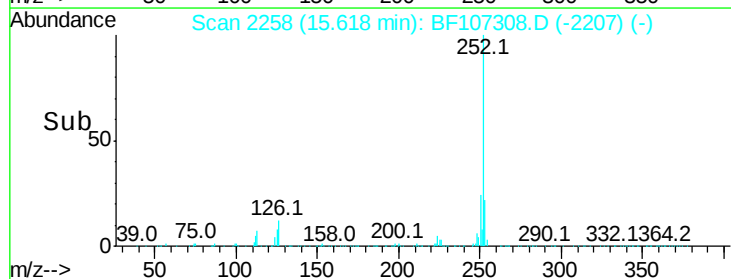
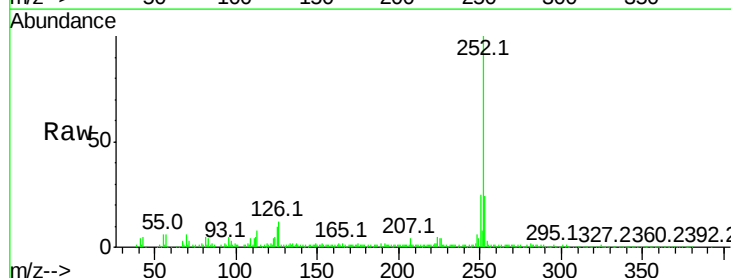
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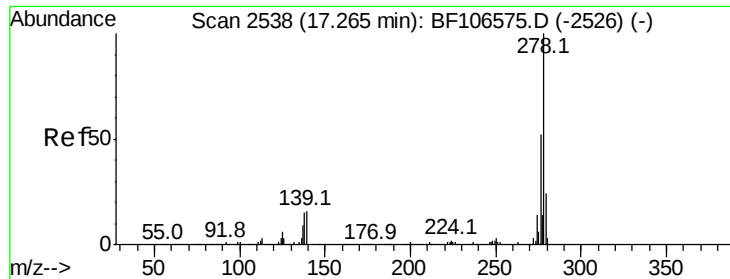
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#89
Benzo(a)pyrene
Concen: 23.248 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	9.8	9.8	14.6





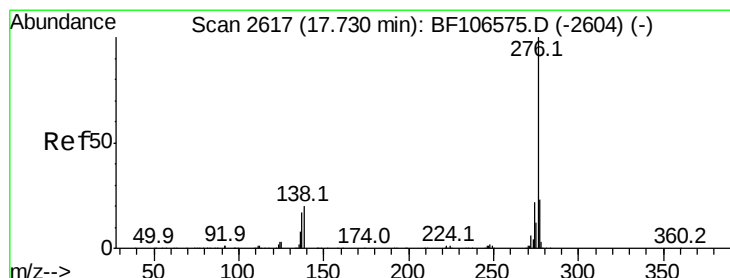
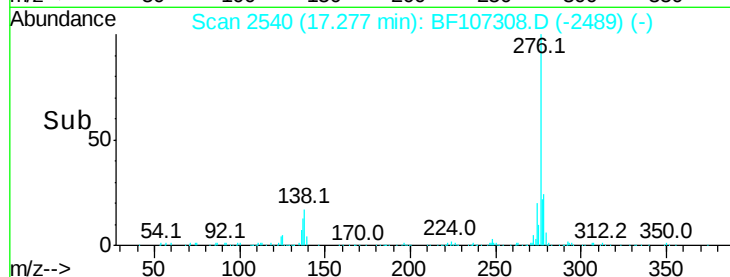
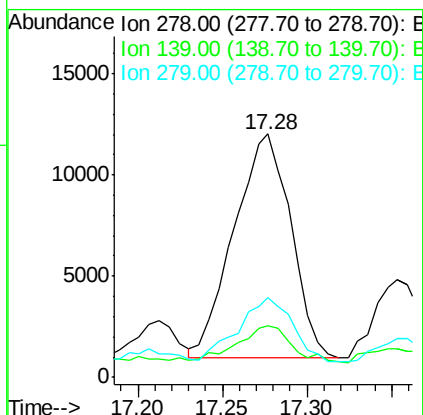
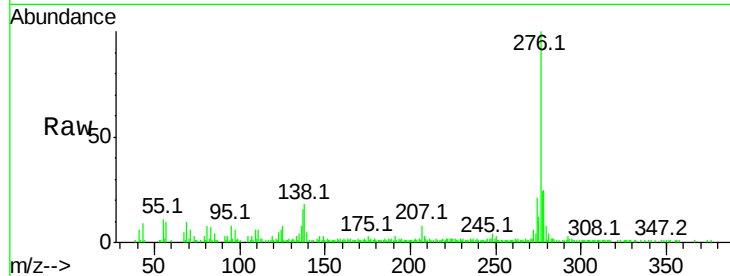
#90
Dibenzo(a,h)anthracene
Concen: 4.678 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Instrument :
BNA_F
ClientSampleId :
SMH

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.1	15.9	23.9
279	32.6	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 17.555 ng
RT: 17.77 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF107308.D
Acq: 11 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	19.7	21.8	32.8

