

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
 Data File : BF109804.D
 Acq On : 11 Oct 2018 23:23
 Operator : JU/SJ
 Sample : J5314-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Manual Integrations
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Sohil
 10/12/2018 11:01:29 AM

Quant Time: Oct 12 05:24:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	68937	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	271710	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	108480	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	186884	20.00	ng	0.00
75) Chrysene-d12	13.83	240	197682	20.00	ng	0.00
86) Perylene-d12	15.23	264	188306	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	333620	85.90	ng	0.00
7) Phenol-d6	6.34	99	478649	92.26	ng	-0.02
23) Nitrobenzene-d5	7.26	82	315391	63.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	85765	72.56	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	470530	59.74	ng	-0.01
78) Terphenyl-d14	12.78	244	375500	36.77	ng	0.00
Target Compounds						
10) Phenol	6.36	94	14590	2.452	ng	88
49) Dimethylphthalate	9.45	163	57040	7.169	ng	99
70) Phenanthrene	11.22	178	134131	14.342	ng	99
71) Anthracene	11.28	178	55040	5.693	ng	97
74) Fluoranthene	12.40	202	314384	32.177	ng	99
77) Pyrene	12.63	202	281862	19.461	ng	98
80) Benzo(a)anthracene	13.82	228	176828	16.210	ng	99
82) Chrysene	13.85	228	140946	12.301	ng	99
85) Indeno(1,2,3-cd)pyrene	16.57	276	54380	6.630	ng	# 94
87) Benzo(b)fluoranthene	14.83	252	168687m	16.210	ng	
88) Benzo(k)fluoranthene	14.86	252	73248m	7.006	ng	
89) Benzo(a)pyrene	15.17	252	124484	13.182	ng	100
91) Benzo(a,h,i)perylene	16.98	276	51972	6.711	ng	# 93

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

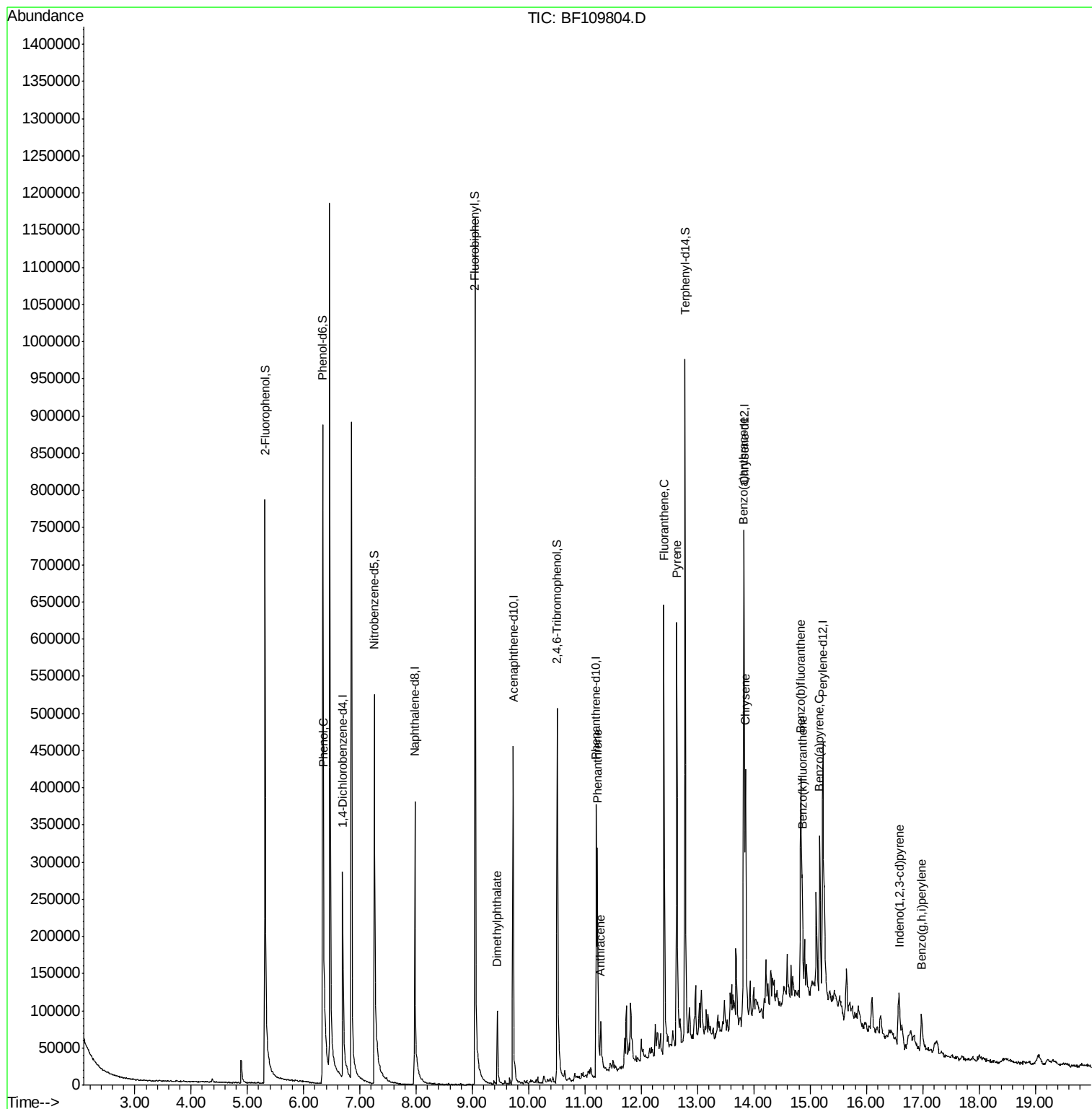
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
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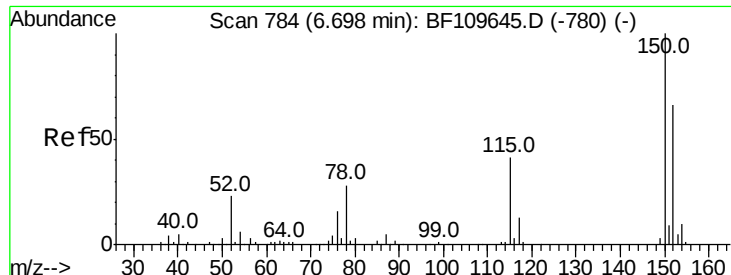
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#1

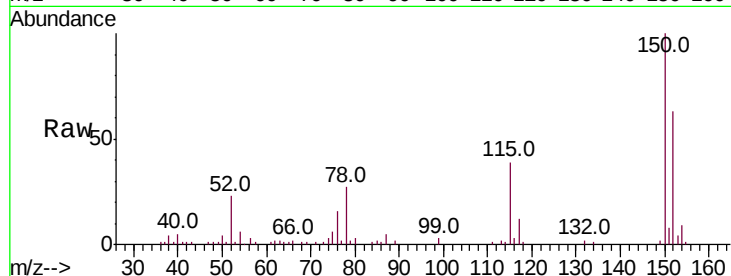
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	61.1	49.1	73.7

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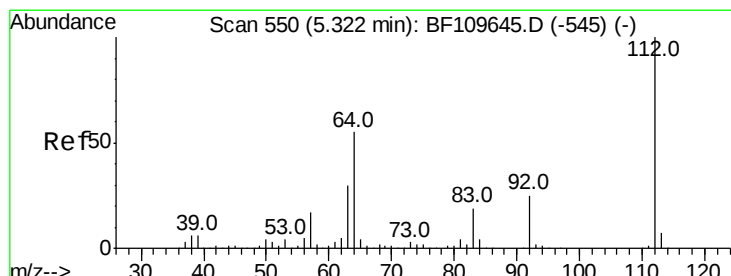
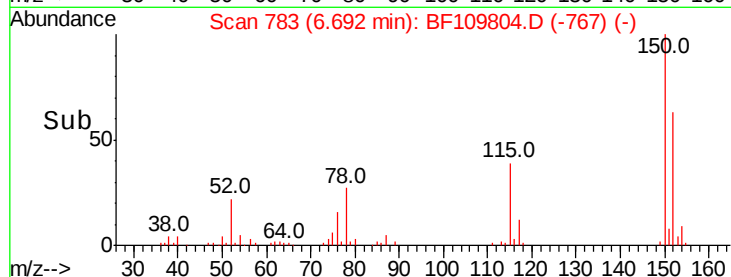
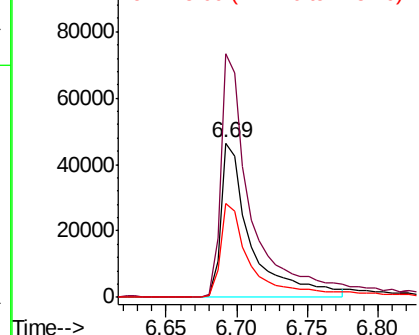


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

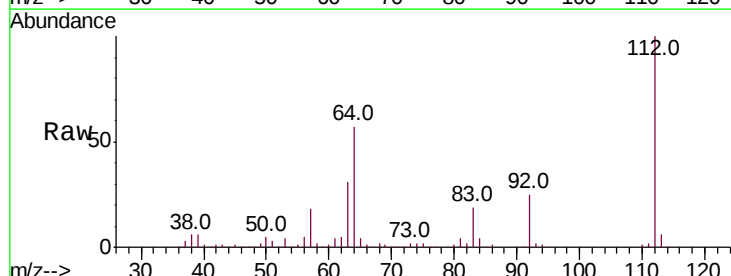
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.902 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.1	66.1
63	30.8	23.7	35.5

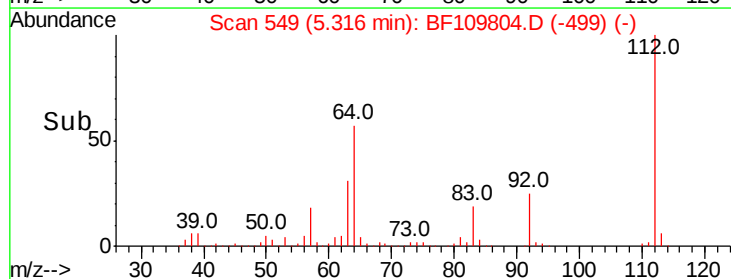
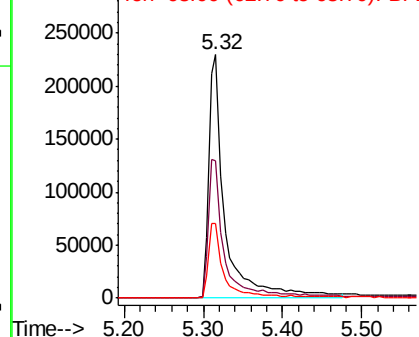


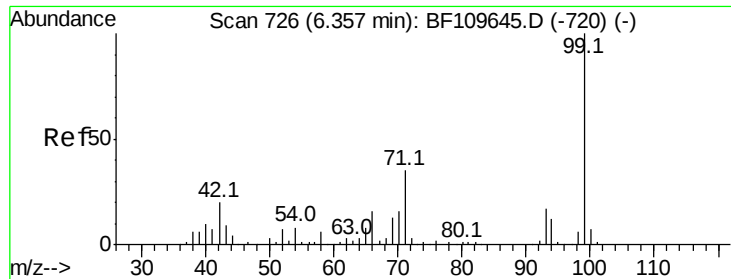
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.257 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Instrument :

BNA_F

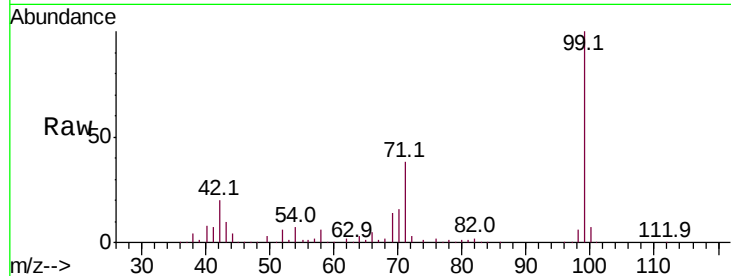
ClientSampleId :

DOCUMENTATION-20

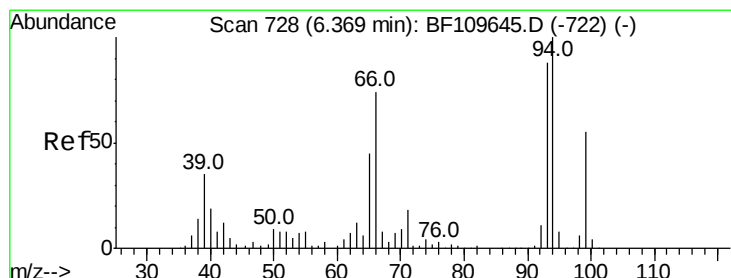
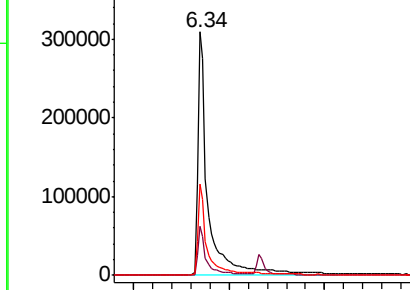
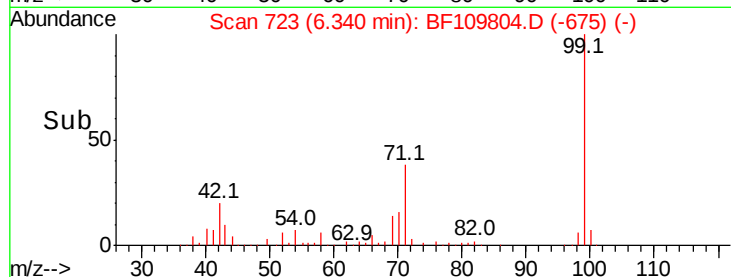
Tot Ion:	99	Resp:	478649
Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.8	23.6
71	37.6	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.452 ng

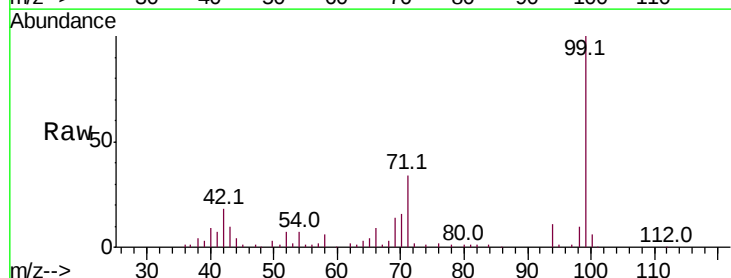
RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

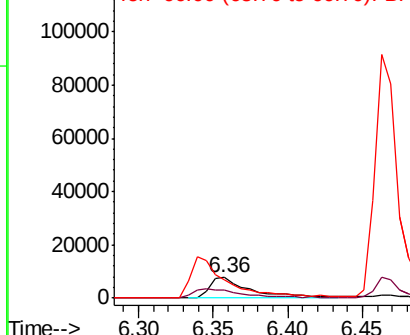
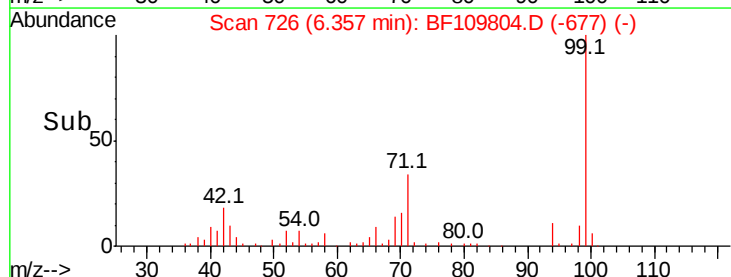
Lab File: BF109804.D

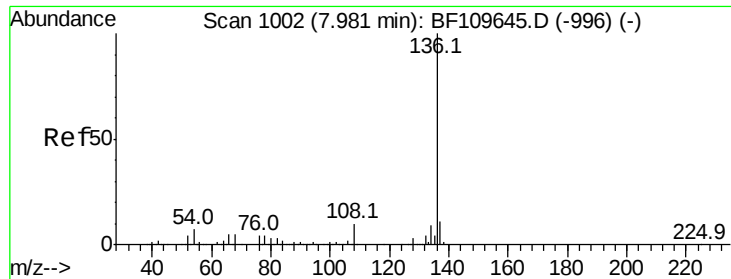
Acq: 11 Oct 2018 23:23

Tgt Ion:	94	Resp:	14590
Ion	Ratio	Lower	Upper
94	100		
65	39.1	25.3	65.3
66	86.5	54.5	94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





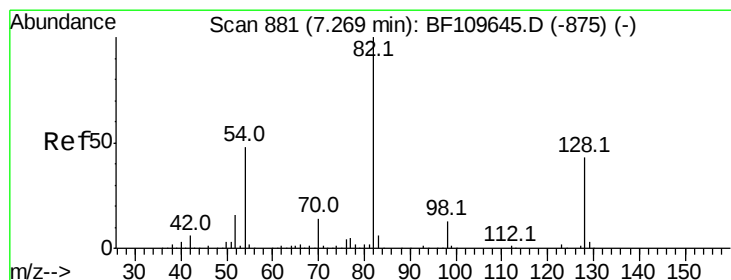
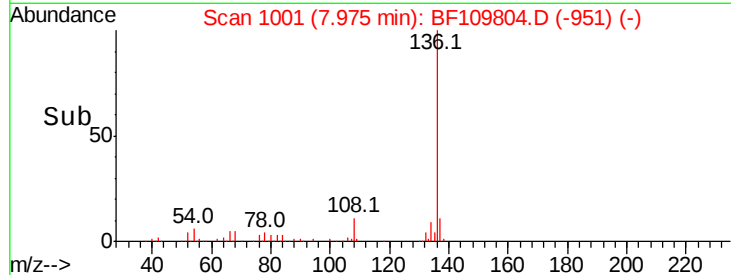
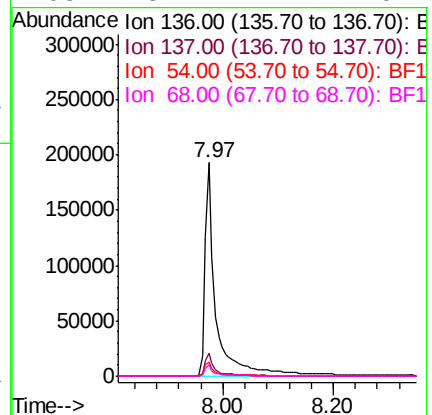
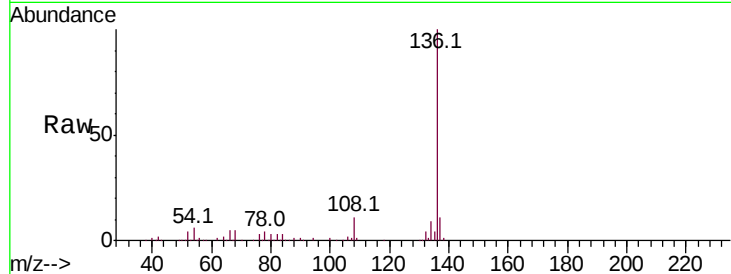
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.8	13.2	
54	6.3	5.4	8.2	
68	5.1	4.2	6.2	

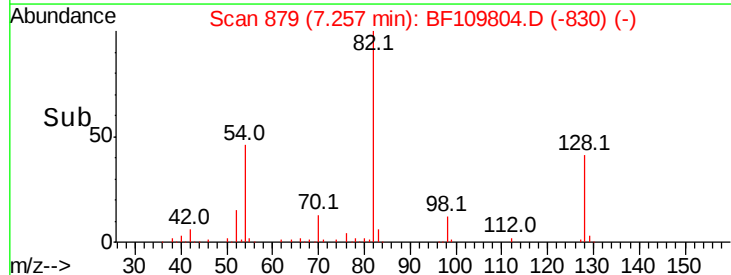
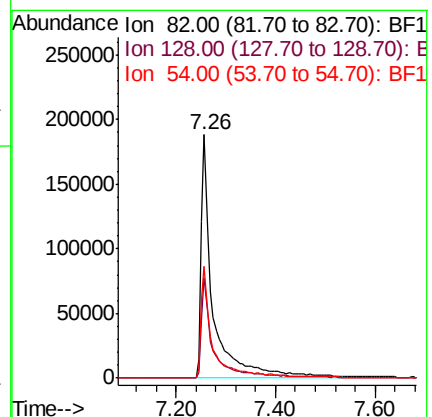
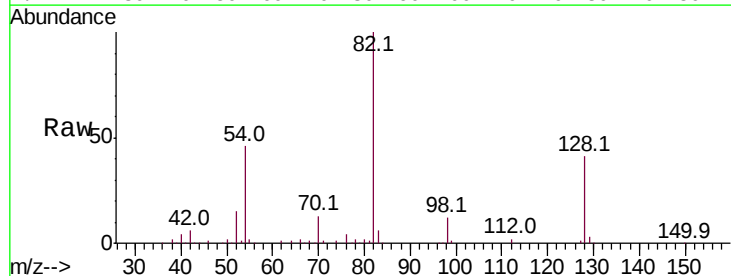
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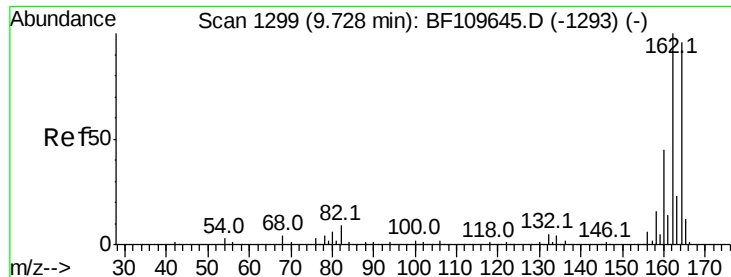
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#23
Nitrobenzene-d5
Concen: 63.985 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.0	34.2	51.2	
54	46.1	38.6	58.0	





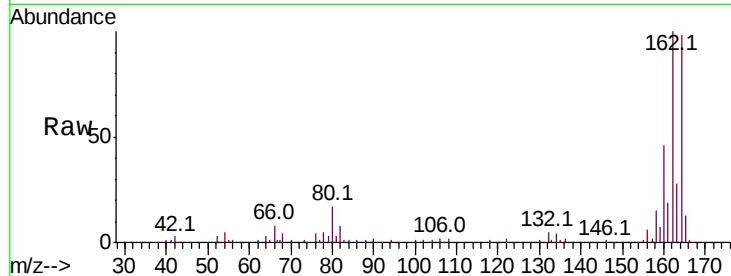
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Instrument :
BNA_F
ClientSampleId :
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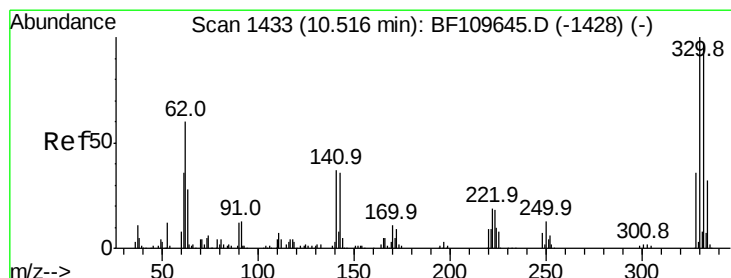
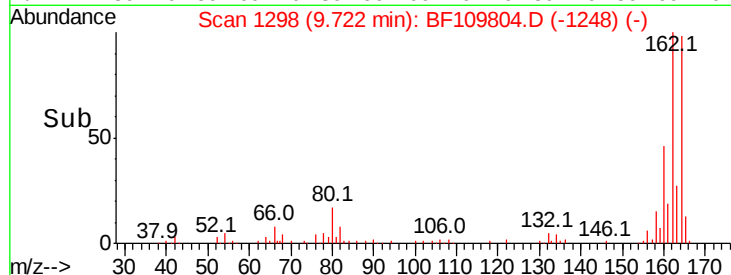
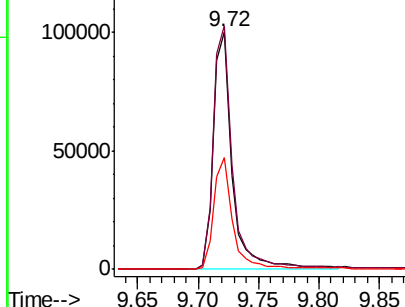
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	83.0	124.6	
160	46.8	37.0	55.6	

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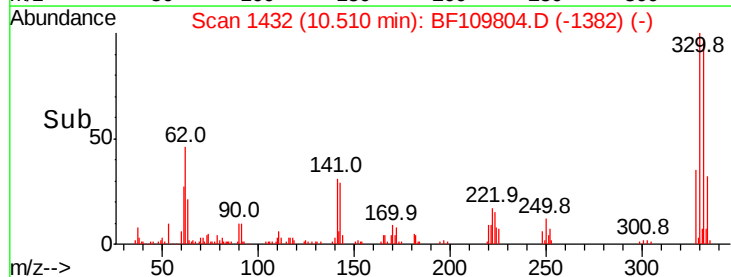
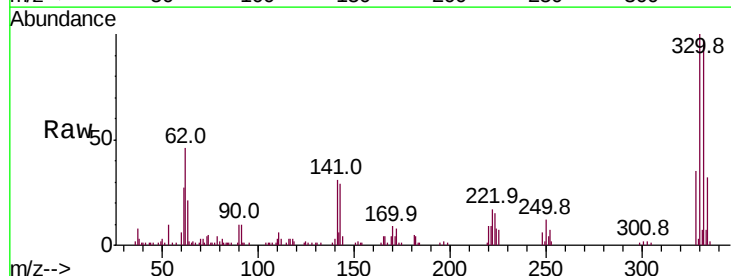
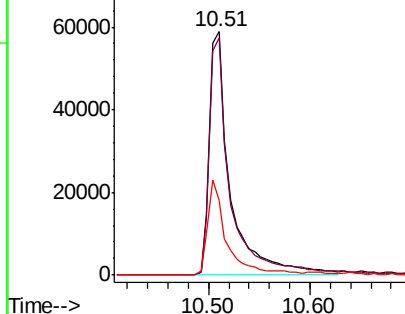
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

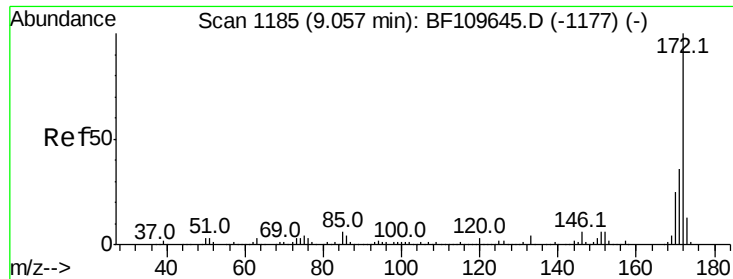


#41
2,4,6-Tribromophenol
Concen: 72.559 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.4	77.1	115.7	
141	35.3	27.0	40.4	

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





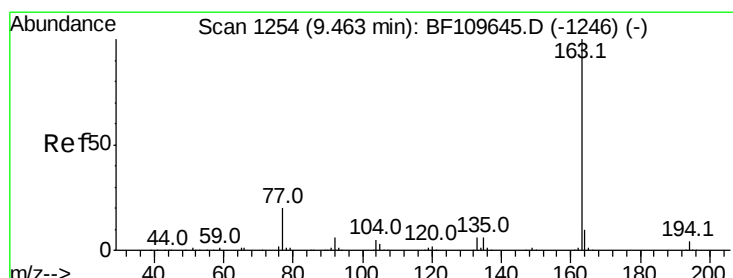
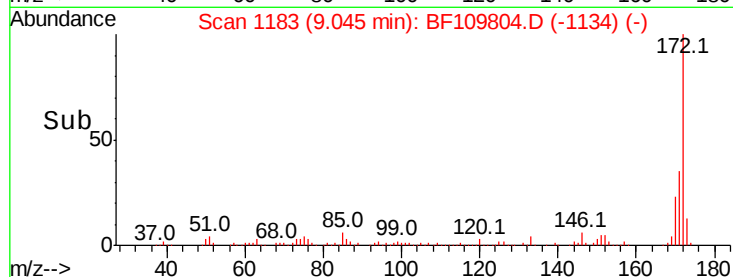
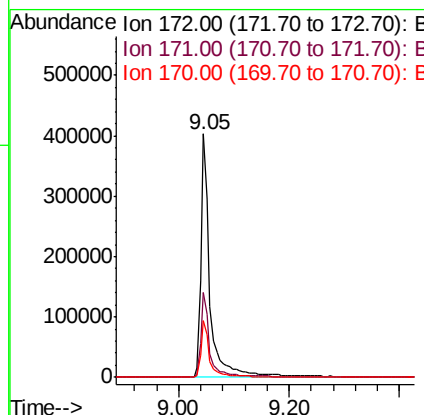
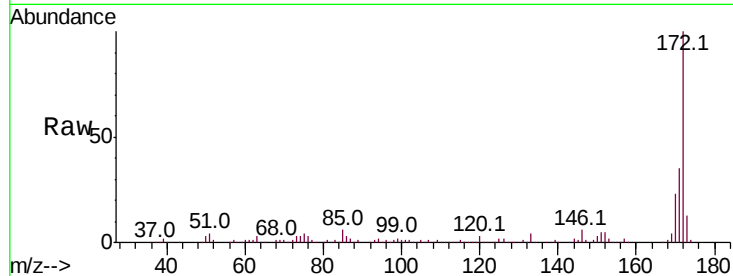
#44
2-Fluorobiphenyl
Concen: 59.738 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	28.6	43.0	
170	23.3	19.7	29.5	

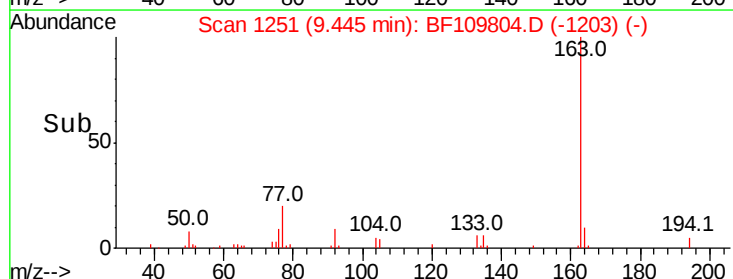
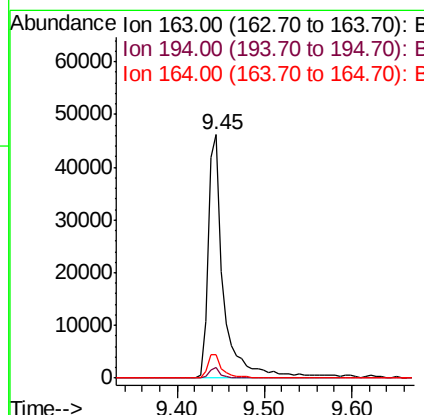
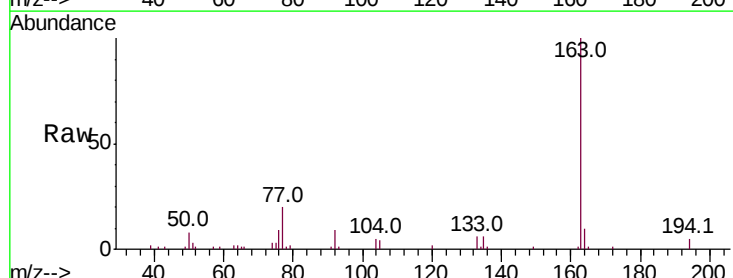
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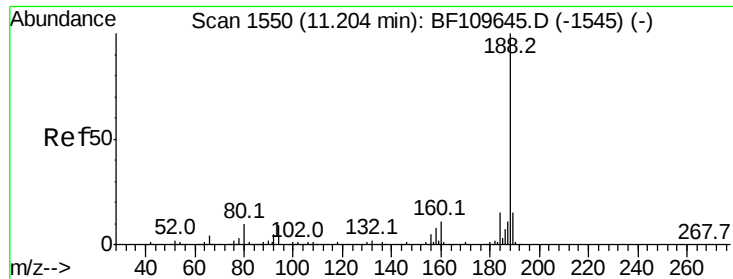
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#49
Dimethylphthalate
Concen: 7.169 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	3.2	4.8	
164	9.6	8.1	12.1	





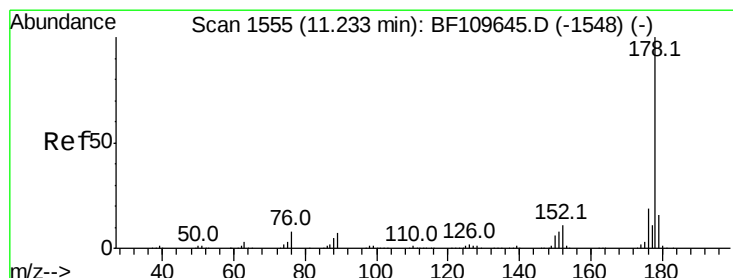
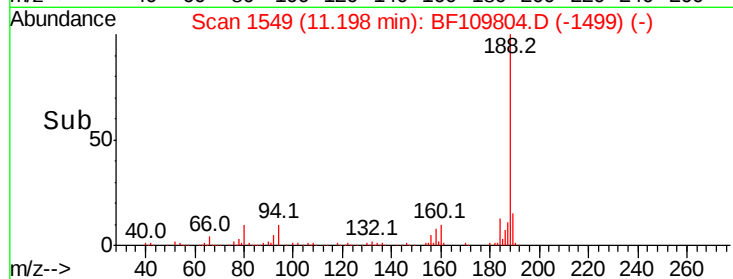
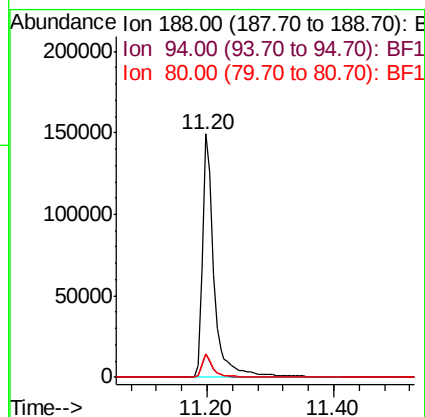
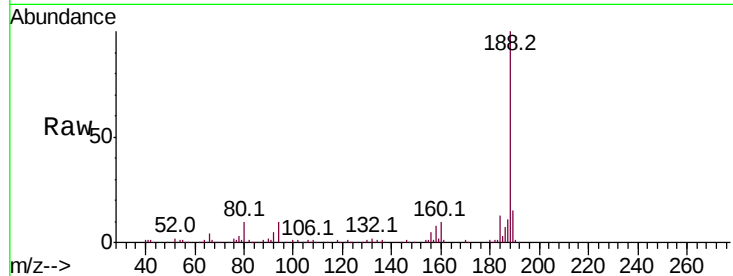
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:188	Resp: 186884
Ion Ratio	Lower Upper
188 100	
94 9.7	7.2 10.8
80 9.7	7.9 11.9

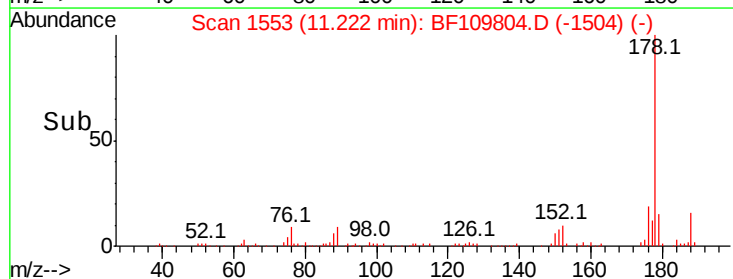
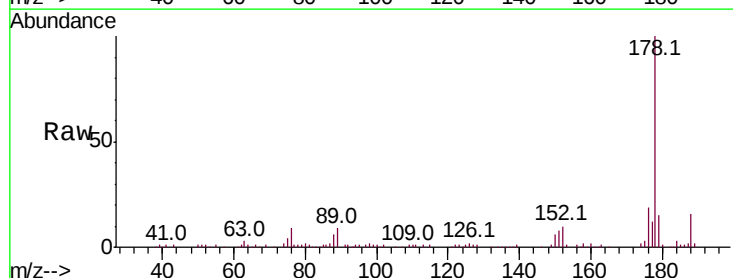
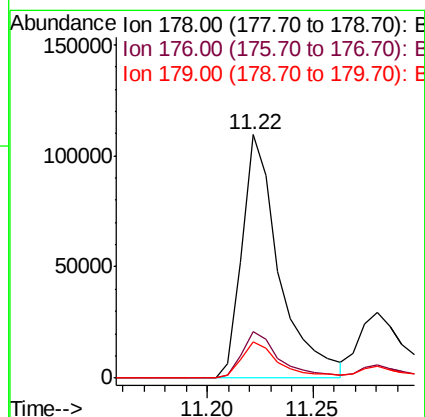
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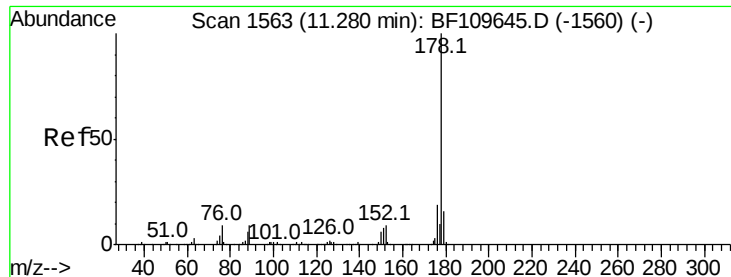
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#70
Phenanthrene
Concen: 14.342 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Tgt Ion:178	Resp: 134131
Ion Ratio	Lower Upper
178 100	
176 19.0	15.5 23.3
179 15.1	12.5 18.7





#71

Anthracene

Concen: 5.693 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Instrument :

BNA_F

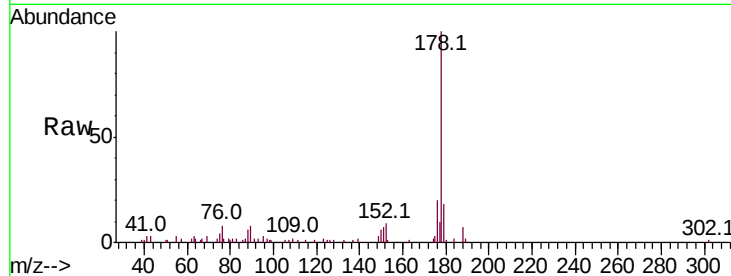
ClientSampleId :

DOCUMENTATION-20

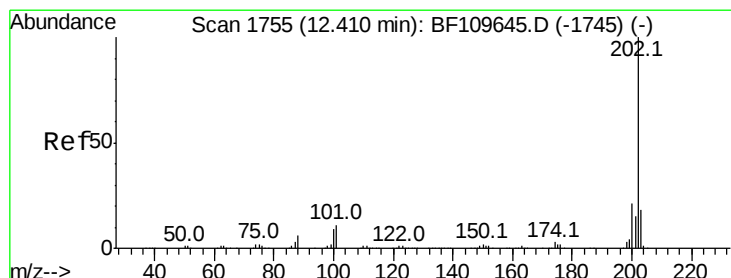
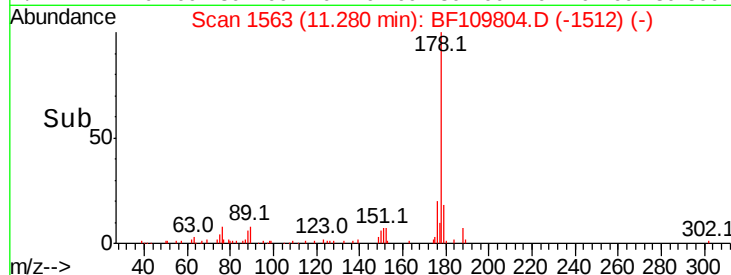
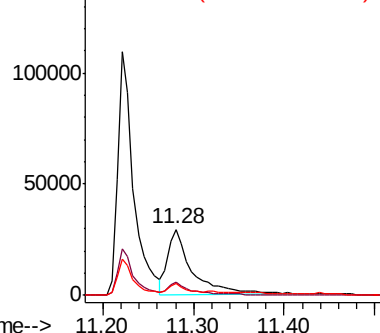
Tot Ion:	178	Resp:	55040
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.4	23.2
179	18.0	12.6	18.8

Manual Integrations
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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



#74

Fluoranthene

Concen: 32.177 ng

RT: 12.40 min Scan# 1754

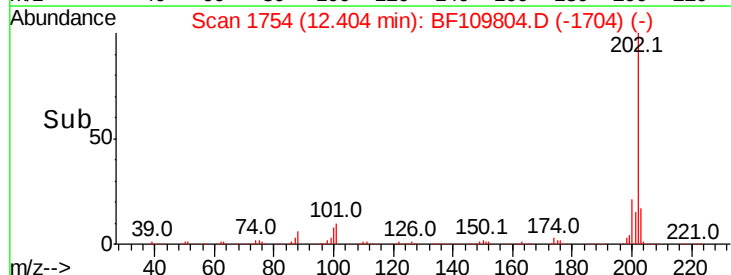
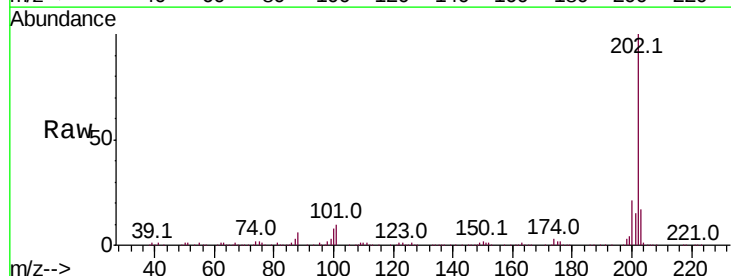
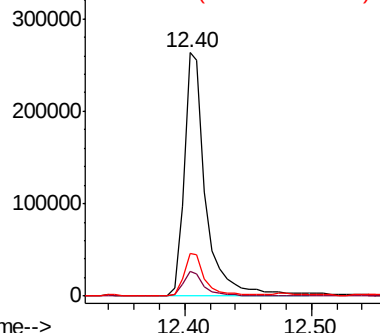
Delta R.T. -0.01 min

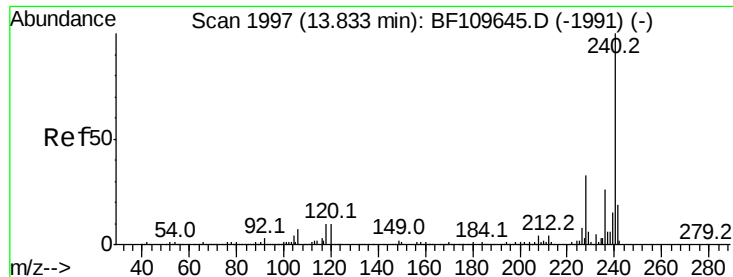
Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Tgt Ion:	202	Resp:	314384
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.4
203	17.5	0.0	37.7

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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Instrument :

BNA_F

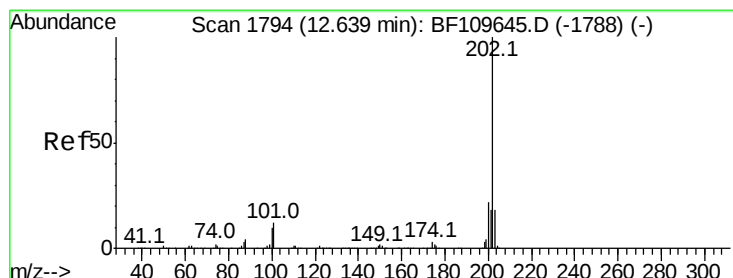
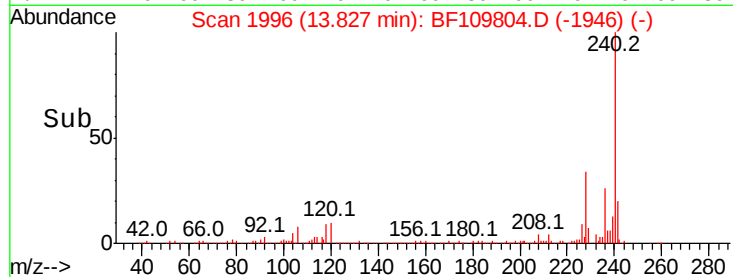
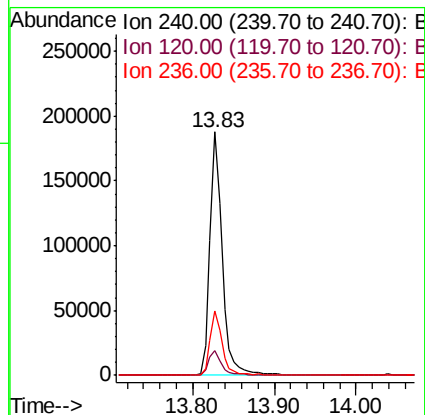
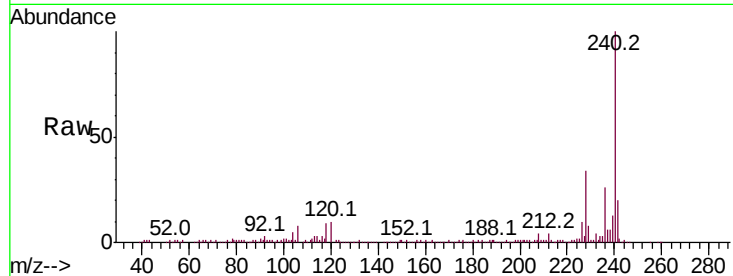
ClientSampleId :

DOCUMENTATION-20

Tot Ion	Ratio	Resp	Lower	Upper
240	100	197682		
120	10.1	8.3	12.5	
236	26.3	21.2	31.8	

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#77

Pyrene

Concen: 19.461 ng

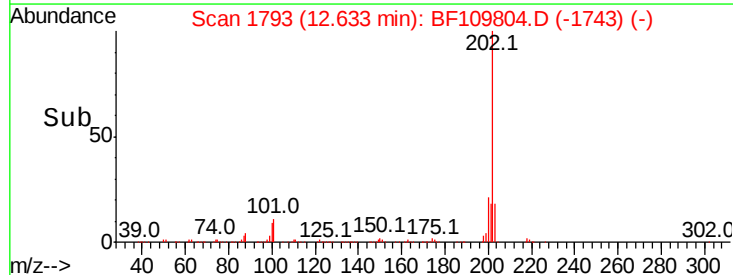
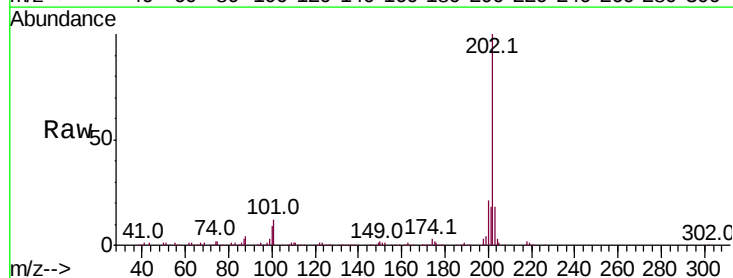
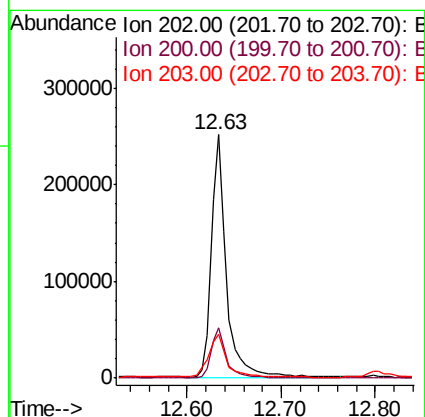
RT: 12.63 min Scan# 1793

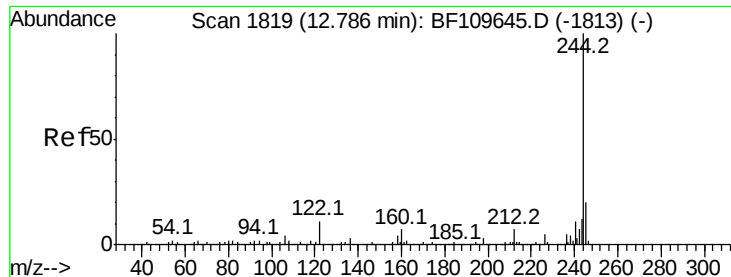
Delta R.T. -0.01 min

Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	281862		
200	20.7	17.8	26.6	
203	18.0	14.2	21.4	





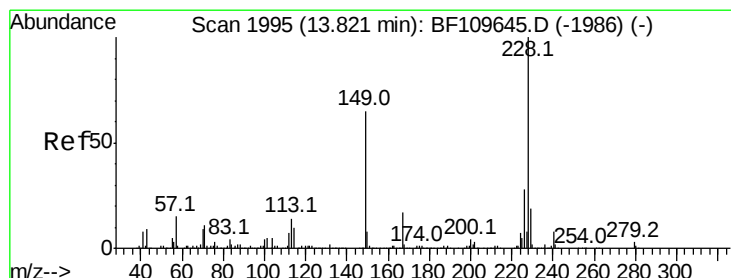
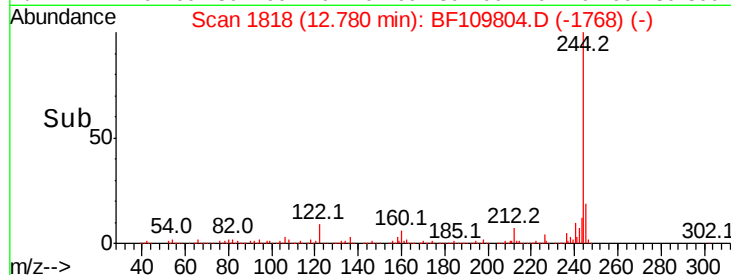
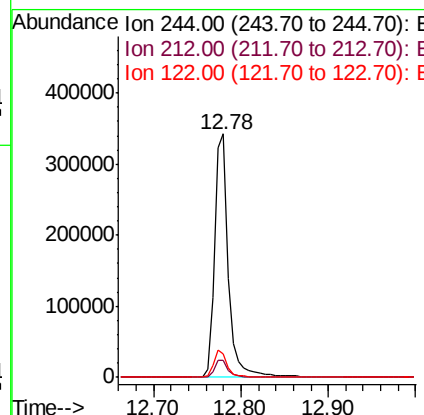
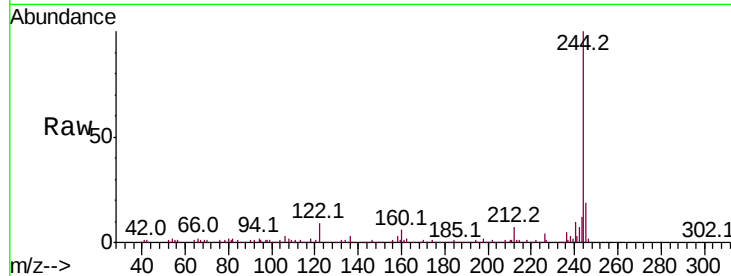
#78
 Terphenyl-d14
 Concen: 36.772 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109804.D
 Acq: 11 Oct 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.4	8.7	13.1

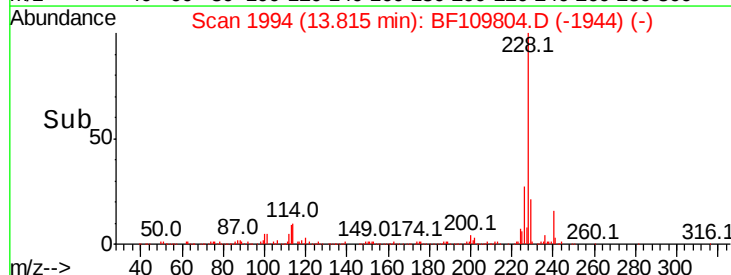
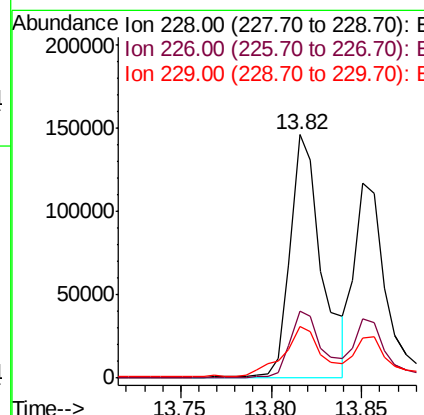
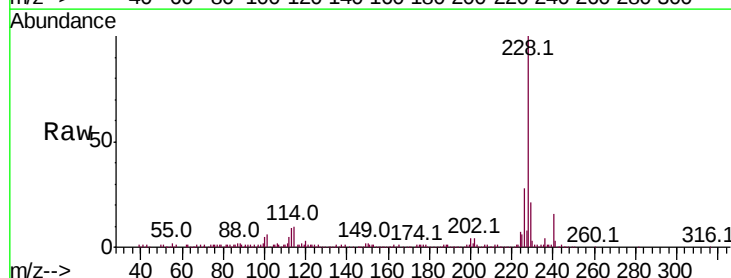
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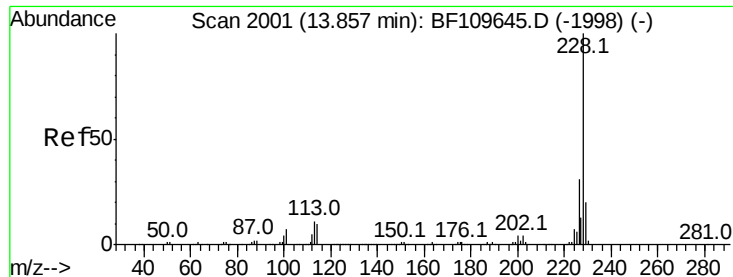
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#80
 Benzo(a)anthracene
 Concen: 16.210 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF109804.D
 Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	21.0	15.6	23.4





#82

Chrysene

Concen: 12.301 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Instrument :

BNA_F

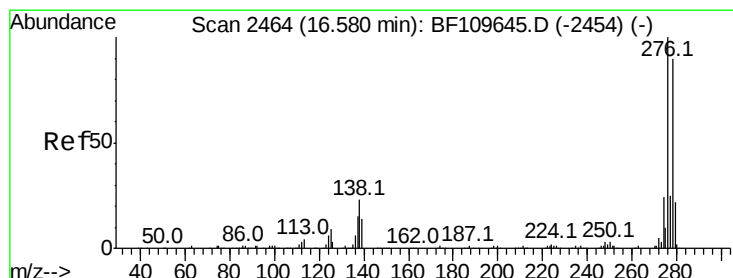
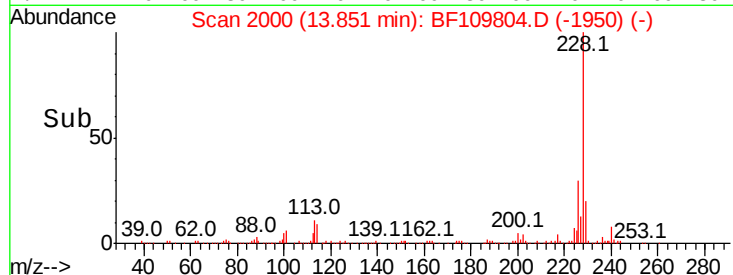
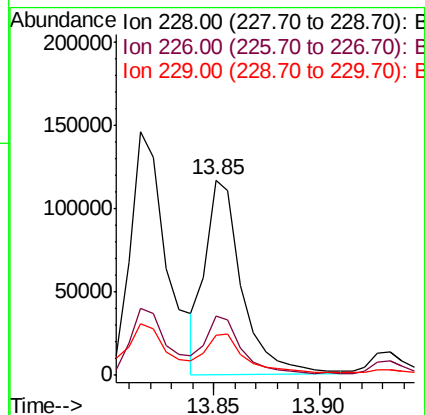
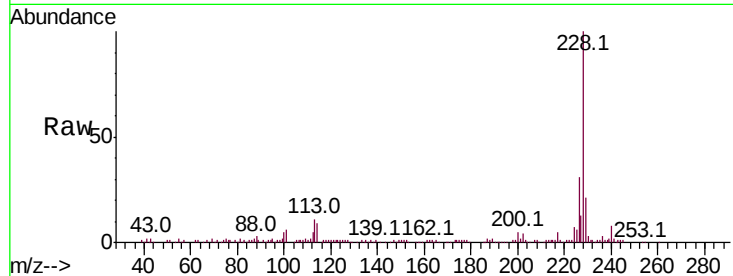
ClientSampleId :

DOCUMENTATION-20

Tot Ion:	228	Resp:	140946
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.7	37.1
229	20.7	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.630 ng

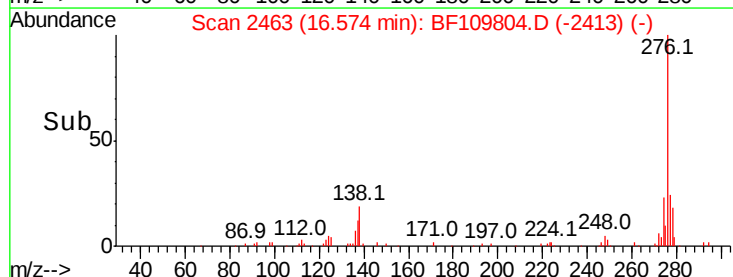
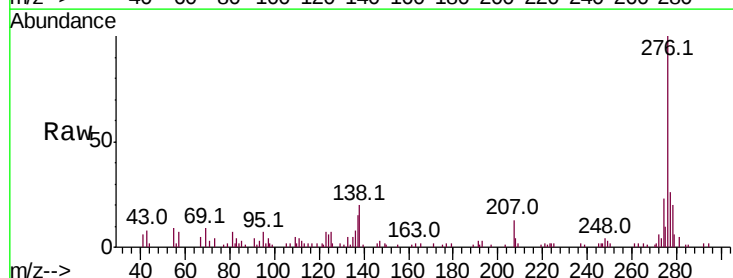
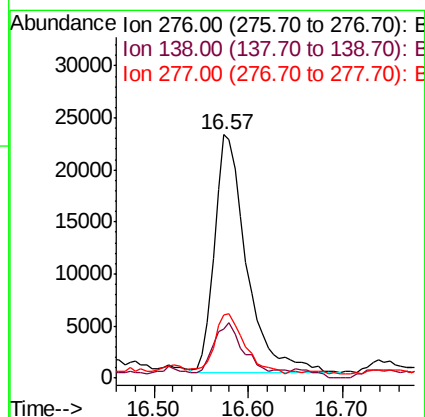
RT: 16.57 min Scan# 2463

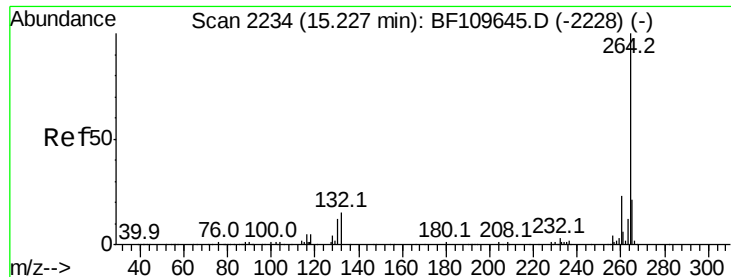
Delta R.T. -0.01 min

Lab File: BF109804.D

Acq: 11 Oct 2018 23:23

Tgt Ion:	276	Resp:	54380
Ion Ratio	Lower	Upper	
276	100		
138	18.3	18.5	27.7#
277	23.3	20.0	30.0





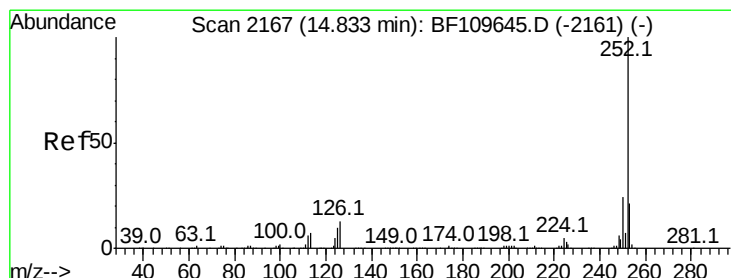
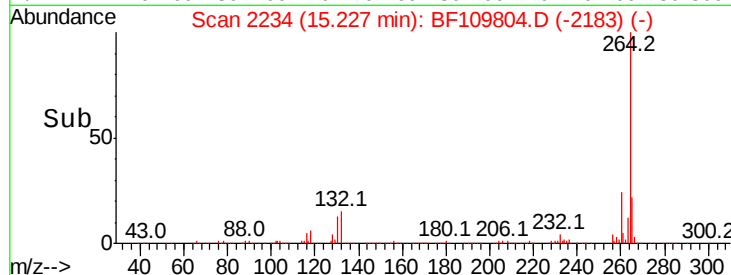
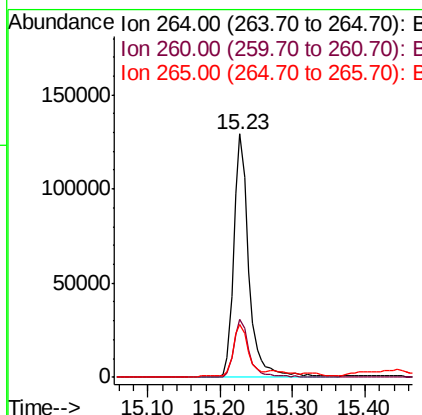
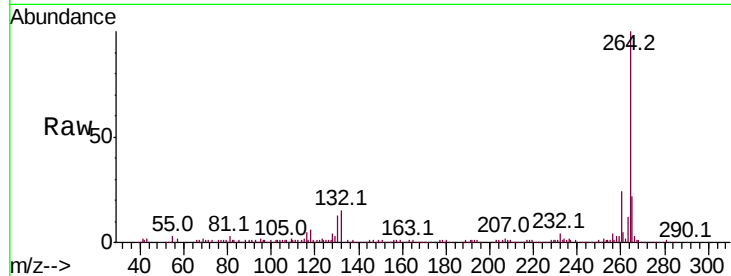
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF109804.D
 Acq: 11 Oct 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.9	16.7	25.1

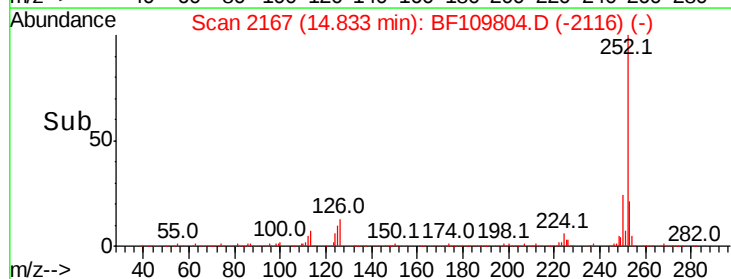
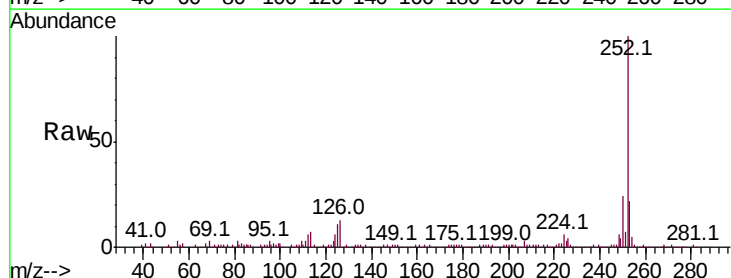
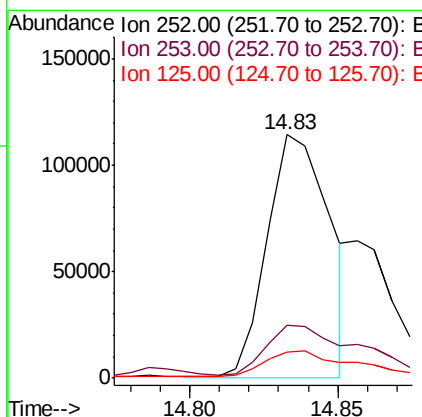
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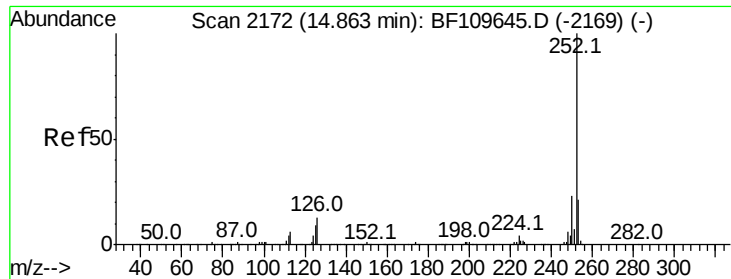
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#87
 Benzo(b)fluoranthene
 Concen: 16.210 ng m
 RT: 14.83 min Scan# 2167
 Delta R.T. -0.00 min
 Lab File: BF109804.D
 Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.9	8.2	12.4





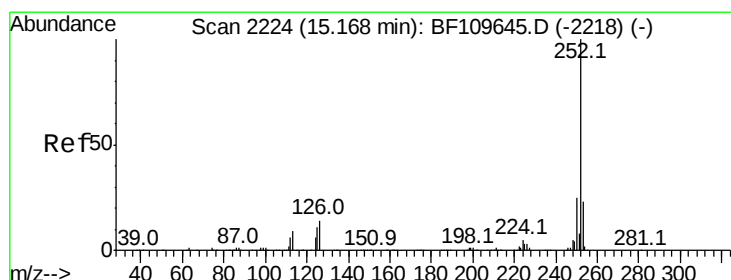
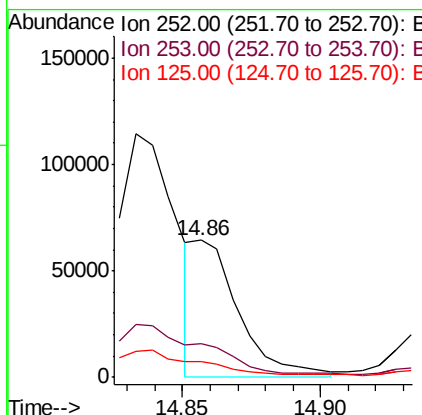
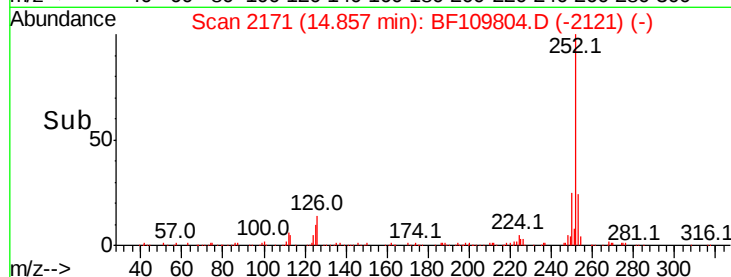
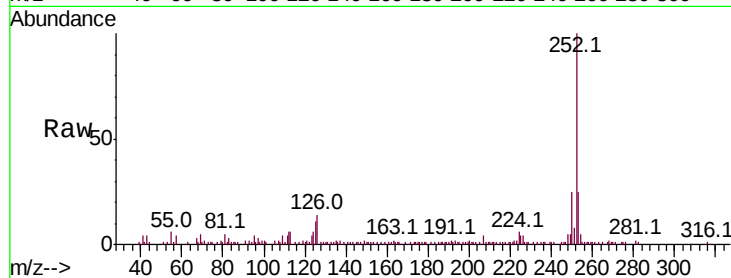
#88
Benzo(k)fluoranthene
Concen: 7.006 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	11.4	7.4	11.0

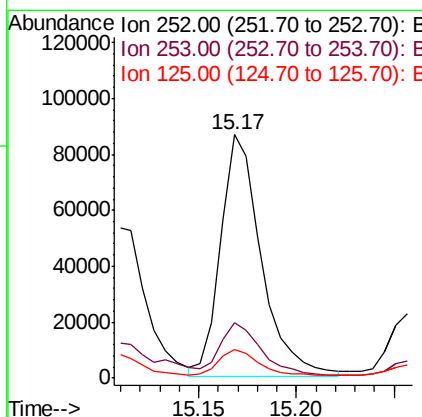
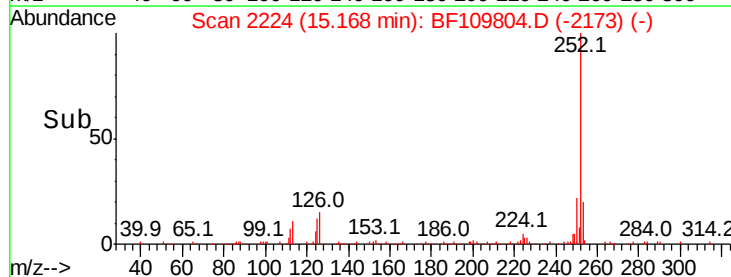
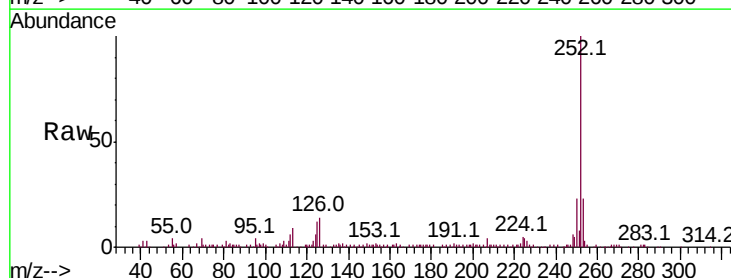
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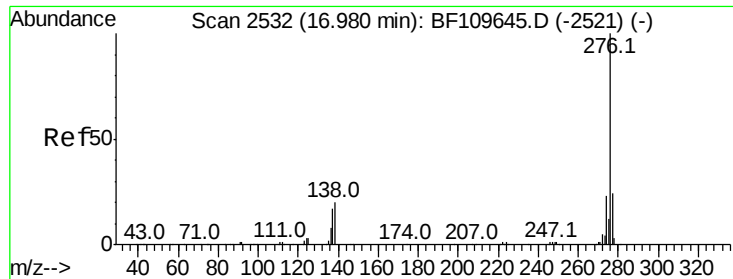
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#89
Benzo(a)pyrene
Concen: 13.182 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109804.D
Acq: 11 Oct 2018 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	11.5	9.0	13.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.711 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.00 min
 Lab File: BF109804.D
 Acq: 11 Oct 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.8	28.2#
138	21.5	16.0	24.0

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