

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109231.D
 Acq On : 22 Sep 2018 19:41
 Operator : JU/SJ
 Sample : J4777-15 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-0920-18-C

Manual Integrations
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Sohil
 9/24/2018 11:38:55 AM

Quant Time: Sep 24 07:42:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	122808	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	477869	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	209794	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	335495	20.00	ng	0.00
75) Chrysene-d12	13.84	240	245187	20.00	ng	0.00
86) Perylene-d12	15.24	264	222538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	120942	16.22	ng	-0.02
7) Phenol-d6	6.33	99	157367	16.54	ng	-0.03
23) Nitrobenzene-d5	7.26	82	91813	11.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	28554	13.81	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	186023	13.37	ng	-0.02
78) Terphenyl-d14	12.79	244	128573	12.87	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.45	163	48769	3.196	ng	98
70) Phenanthrene	11.23	178	320219	19.116	ng	99
71) Anthracene	11.29	178	41756	2.458	ng	99
72) Carbazole	11.44	167	40437	2.392	ng	99
74) Fluoranthene	12.42	202	639779	35.739	ng	95
77) Pyrene	12.65	202	558463	31.781	ng	100
80) Benzo(a)anthracene	13.83	228	219802	14.883	ng	97
82) Chrysene	13.86	228	316254	21.605	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	136570m	11.511	ng	
87) Benzo(b)fluoranthene	14.84	252	395342m	32.330	ng	
88) Benzo(k)fluoranthene	14.87	252	79286m	6.833	ng	
89) Benzo(a)pyrene	15.18	252	202618	18.388	ng	98
90) Dibenzo(a,h)anthracene	16.59	278	32489	3.594	ng	# 93
91) Benzo(a,h,i)perylene	16.98	276	131555	14.808	ng	# 92

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

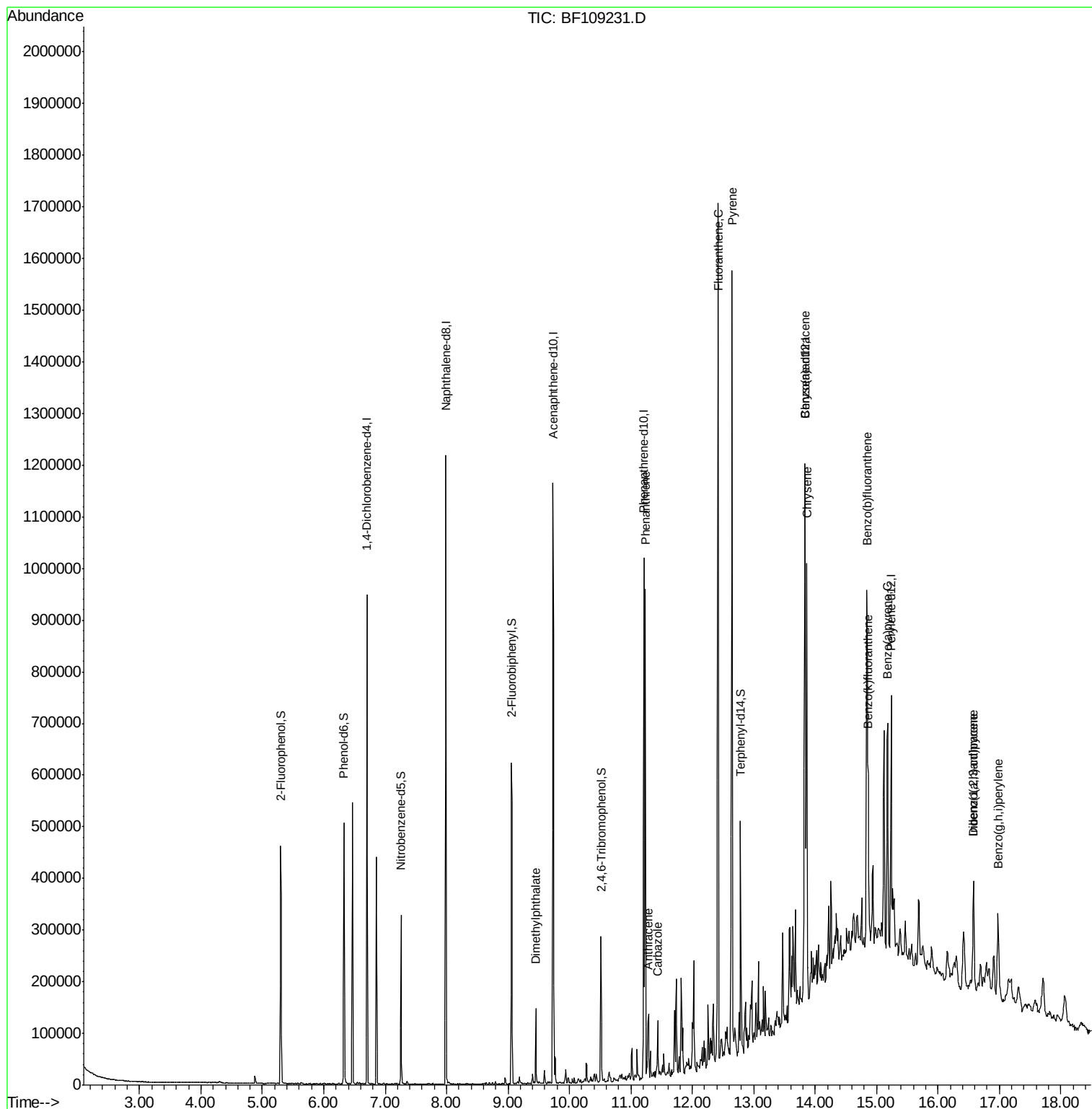
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
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ALS Vial : 16 Sample Multiplier: 1

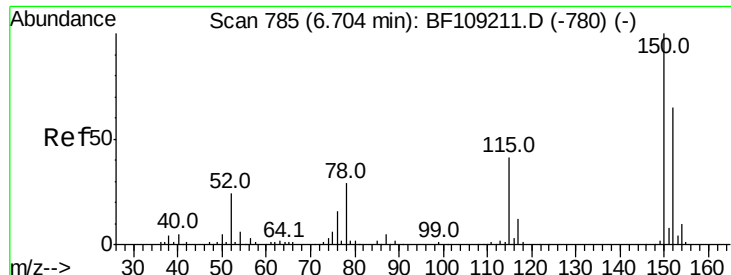
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#1

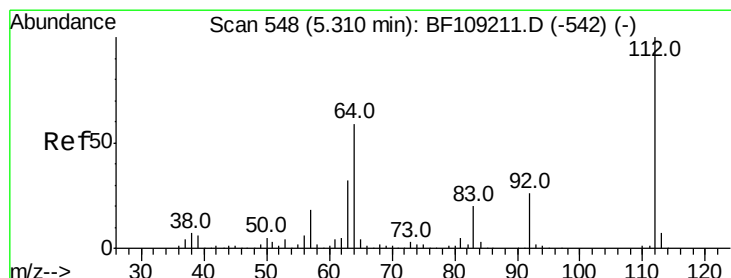
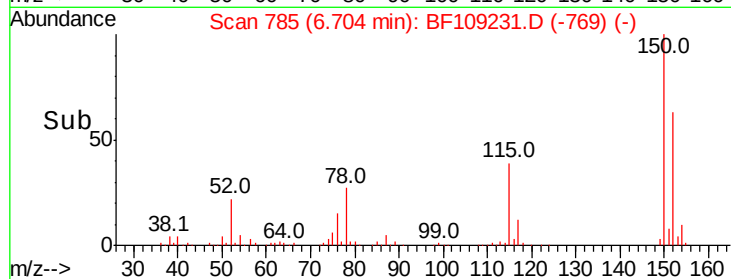
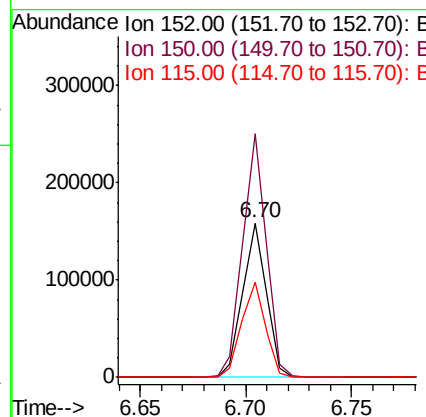
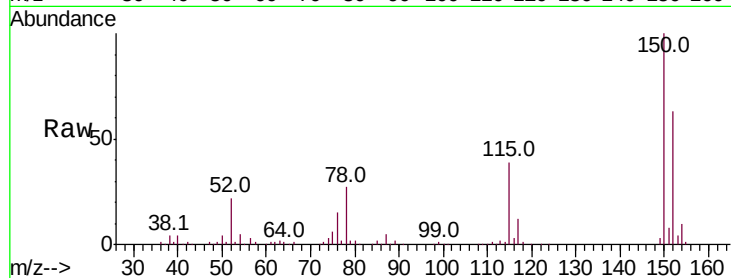
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	61.3	50.1	75.1

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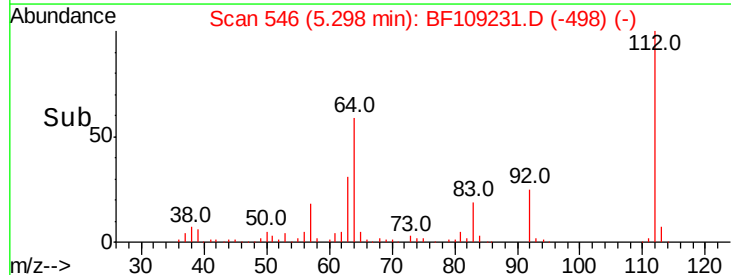
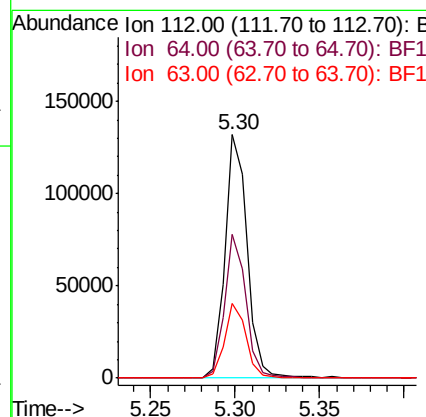
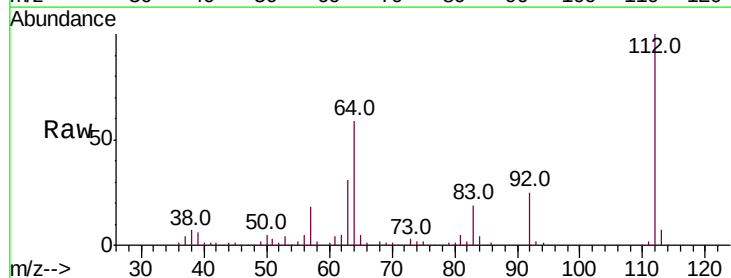
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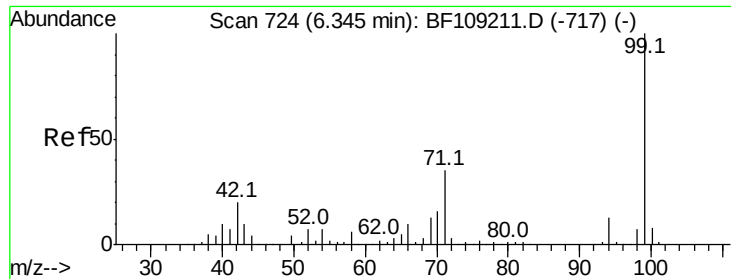


#5

2-Fluorophenol
Concen: 16.221 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 16.540 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF109231.D

Acq: 22 Sep 2018 19:41

Instrument :

BNA_F

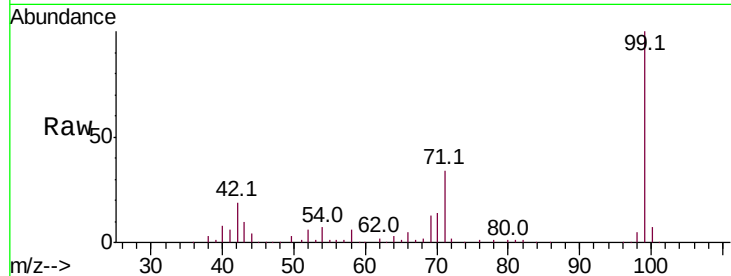
ClientSampleId :

PL-02-0920-18-C

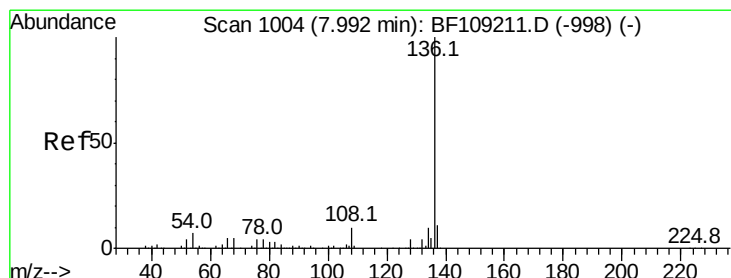
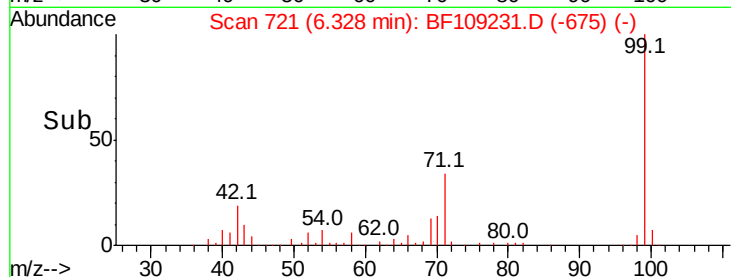
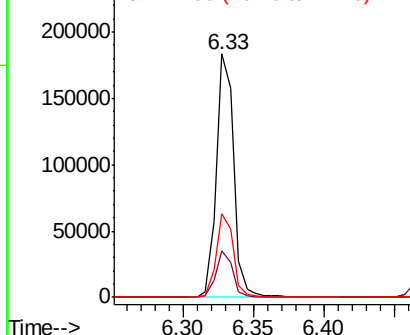
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		157367		
42	19.0	14.5	21.7		
71	34.4	25.4	38.0		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

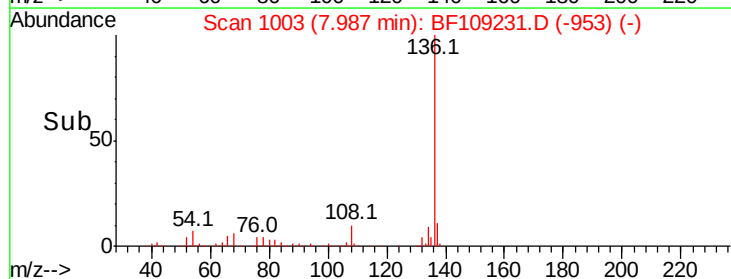
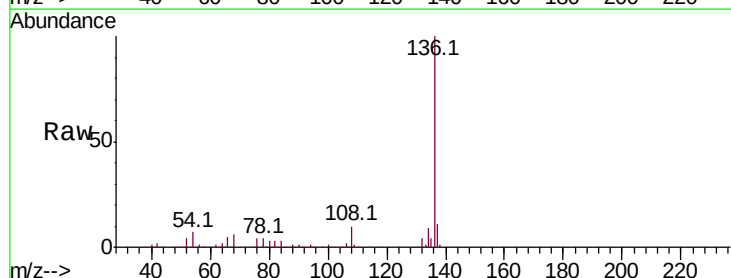
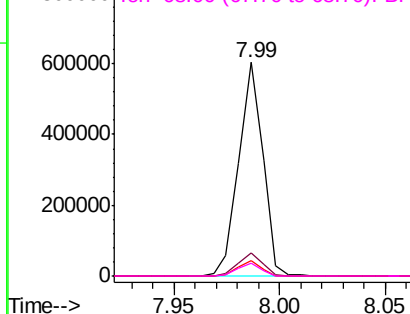
Delta R.T. -0.01 min

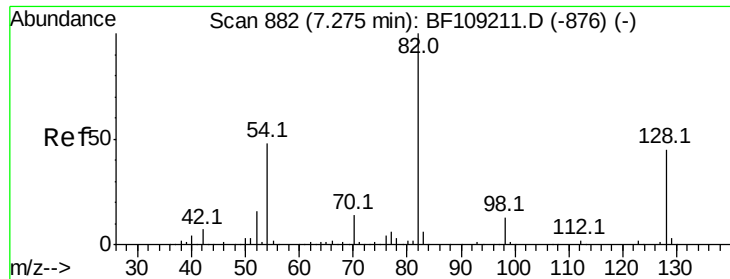
Lab File: BF109231.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		477869		
137	11.1	8.9	13.3		
54	7.3	6.6	9.8		
68	5.9	5.0	7.4		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





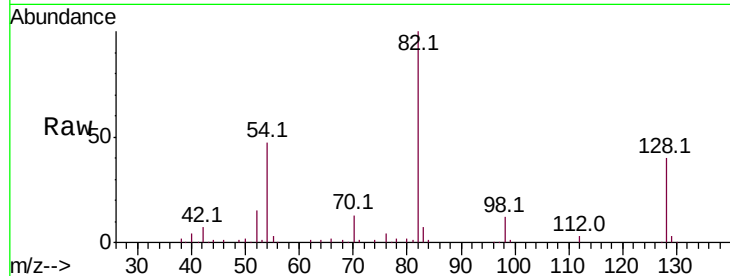
#23
 Nitrobenzene-d5
 Concen: 11.342 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF109231.D
 Acq: 22 Sep 2018 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	36.1	54.1
54	47.4	41.4	62.2

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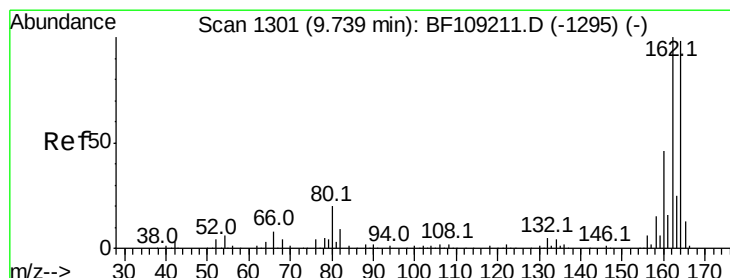
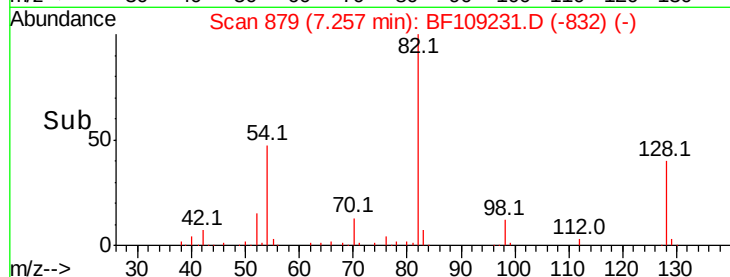
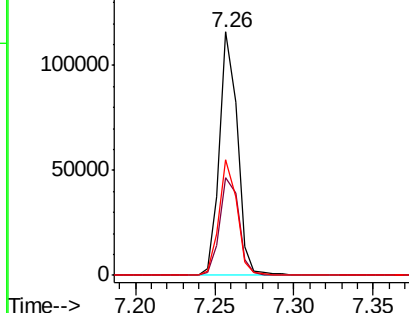


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109231.D
 Acq: 22 Sep 2018 19:41

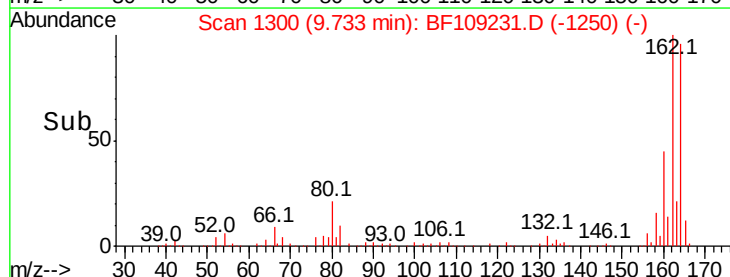
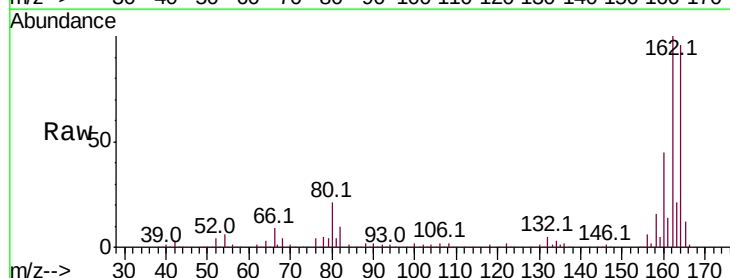
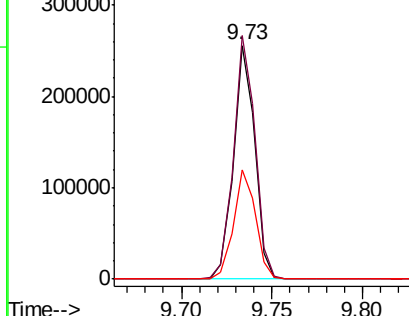
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	46.7	38.3	57.5

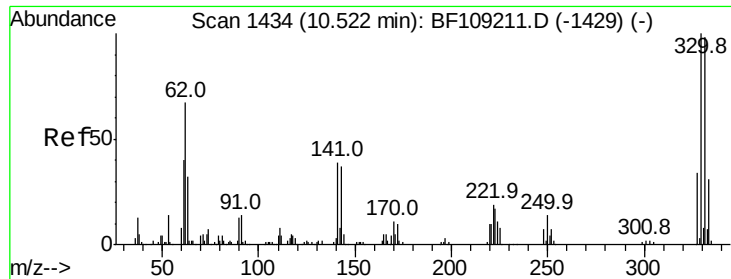
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 13.807 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109231.D

Acq: 22 Sep 2018 19:41

Instrument :

BNA_F

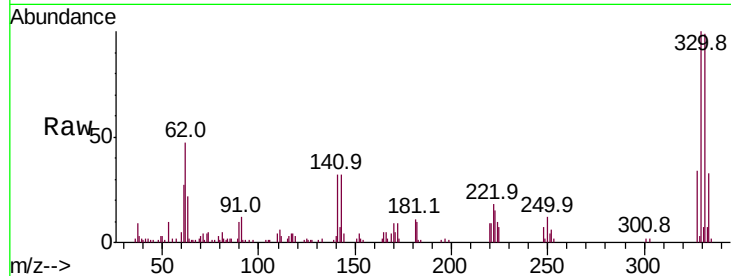
ClientSampleId :

PL-02-0920-18-C

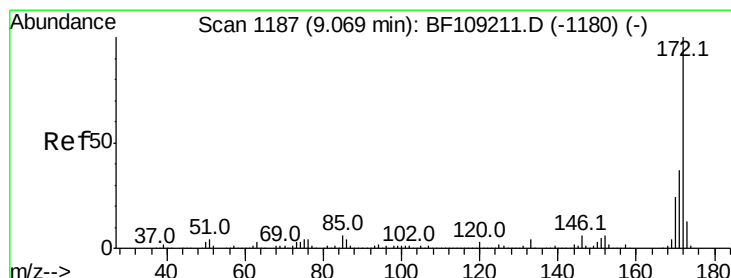
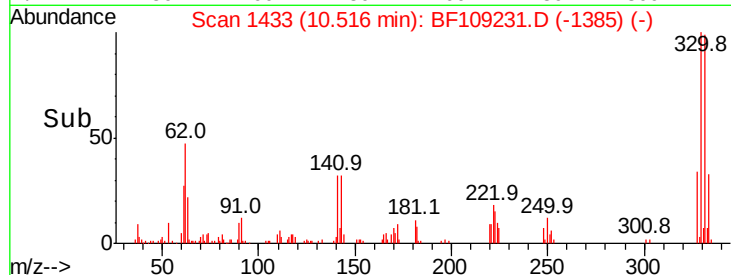
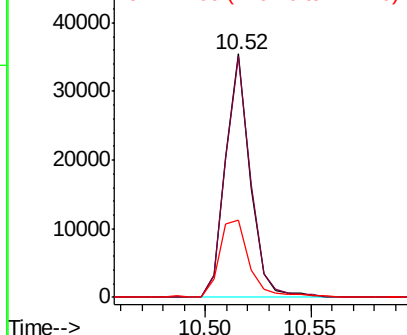
Tot Ion:	330	Resp:	28554
Ion Ratio	Lower	Upper	
330	100		
332	99.9	77.0	115.6
141	39.7	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 13.373 ng

RT: 9.06 min Scan# 1185

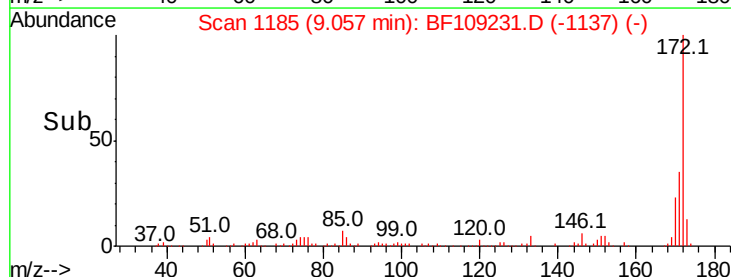
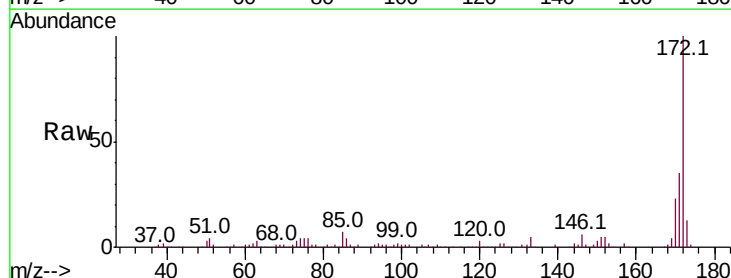
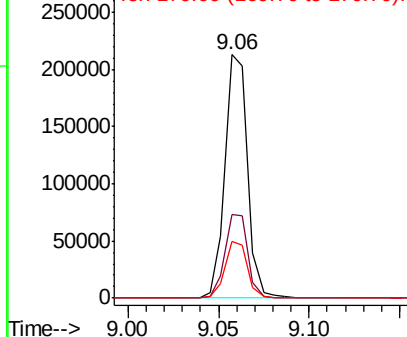
Delta R.T. -0.02 min

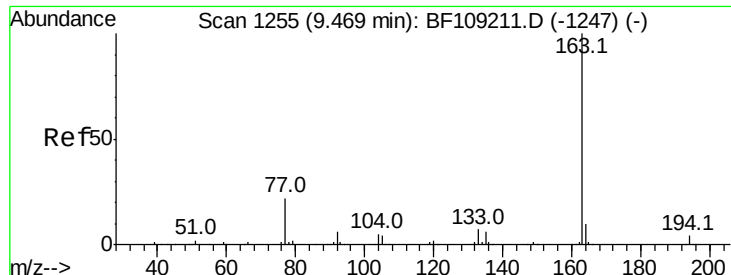
Lab File: BF109231.D

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Tgt Ion:	172	Resp:	186023
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	23.3	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





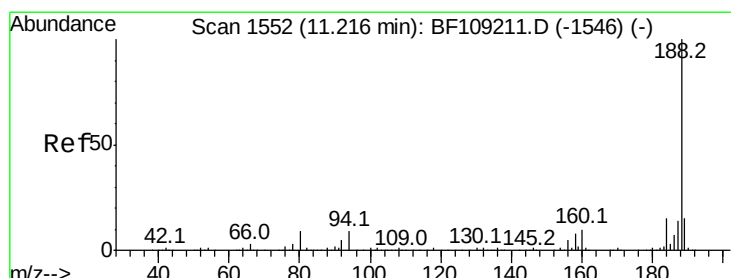
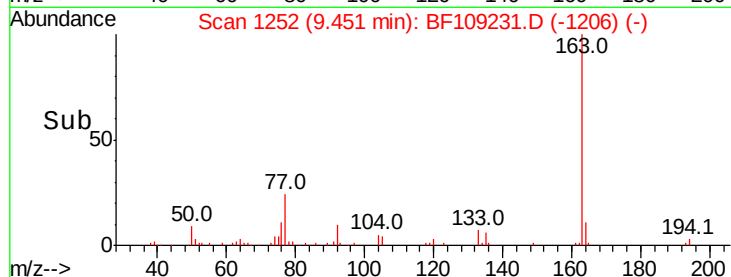
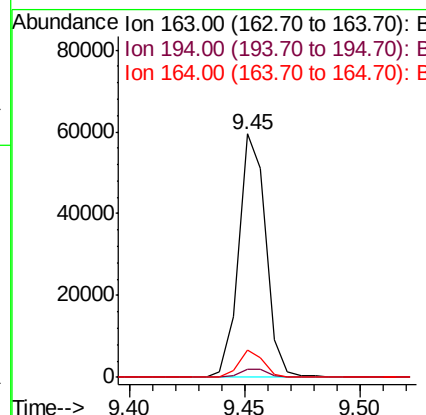
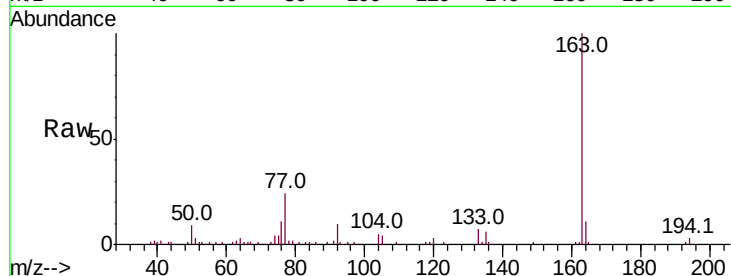
#49
Dimethylphthalate
Concen: 3.196 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	48769		
194	3.5		2.7	4.1
164	11.2		8.2	12.2

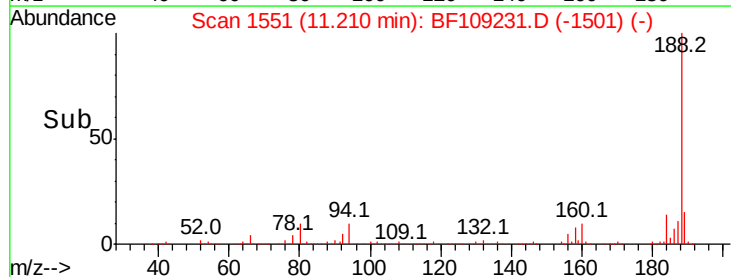
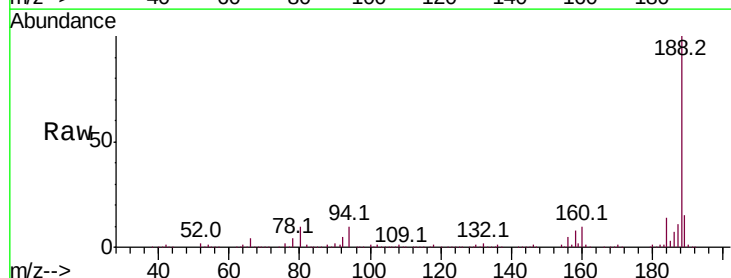
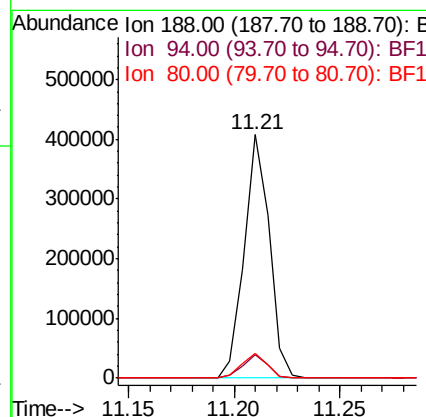
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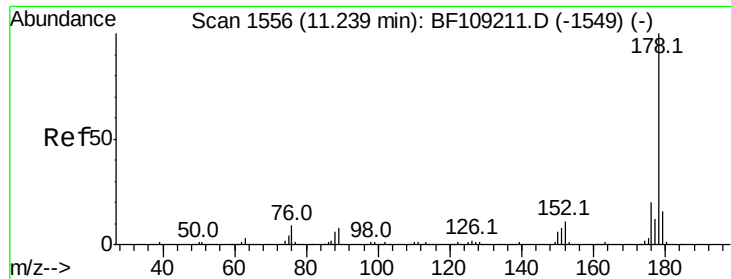
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	335495		
94	9.9		8.5	12.7
80	10.2		9.2	13.8





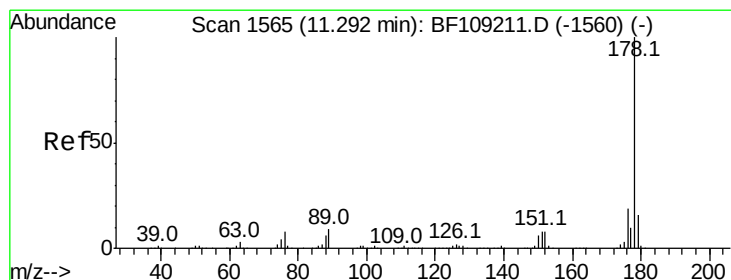
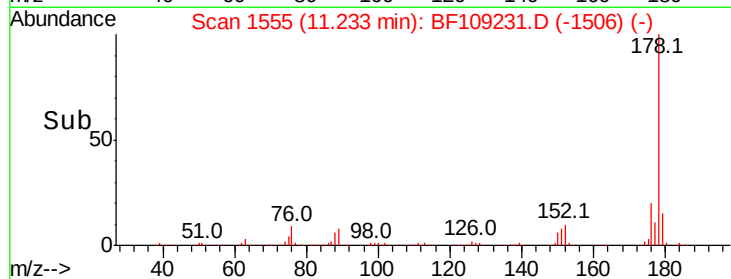
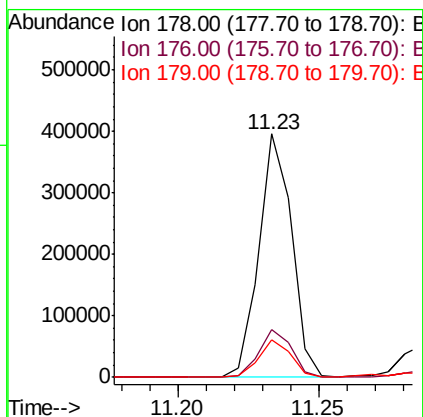
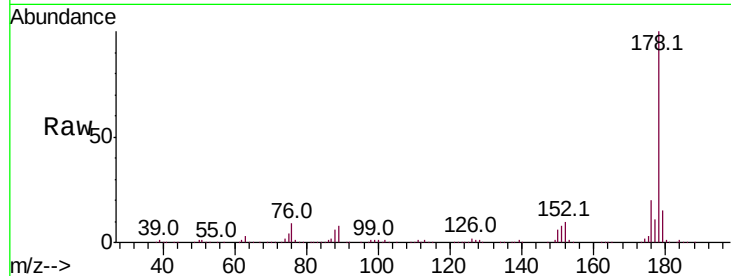
#70
Phenanthrene
Concen: 19.116 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	13.0	19.6

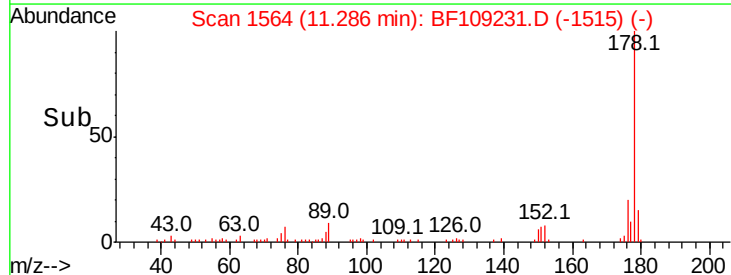
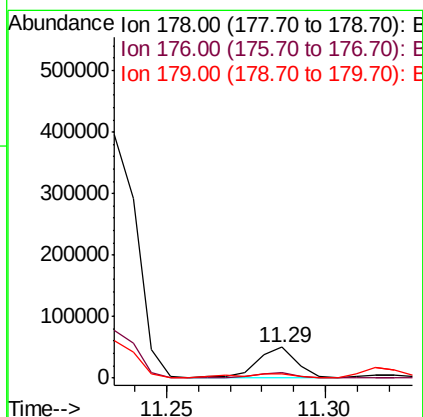
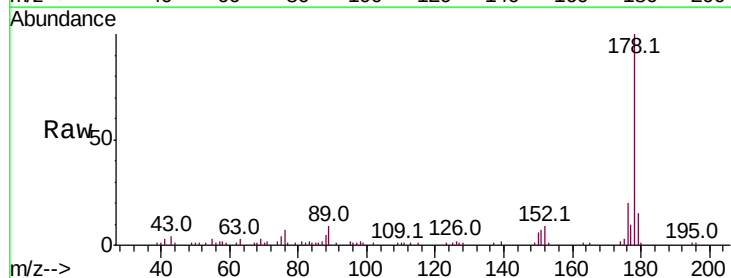
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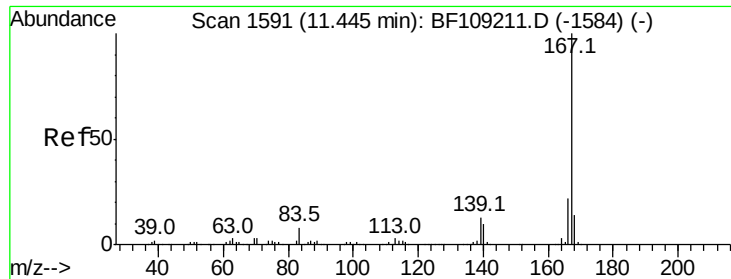
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#71
Anthracene
Concen: 2.458 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 2.392 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF109231.D

Acq: 22 Sep 2018 19:41

Instrument :

BNA_F

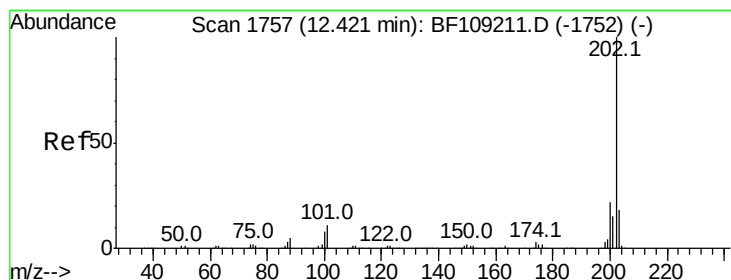
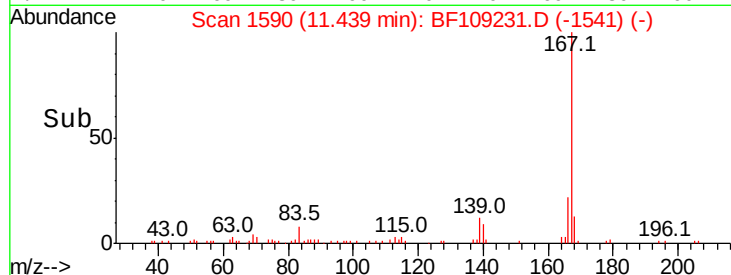
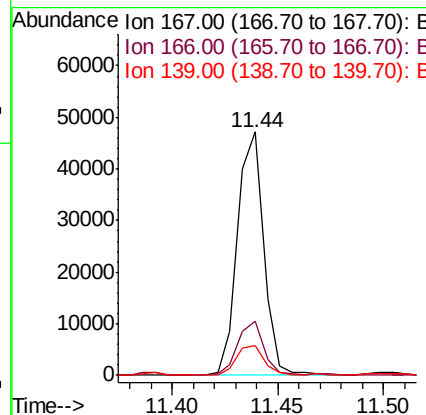
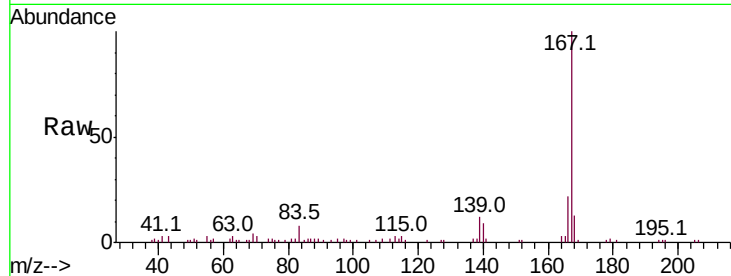
ClientSampleId :

PL-02-0920-18-C

Tot Ion:	167	Resp:	40437
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	12.5	10.9	16.3

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#74

Fluoranthene

Concen: 35.739 ng

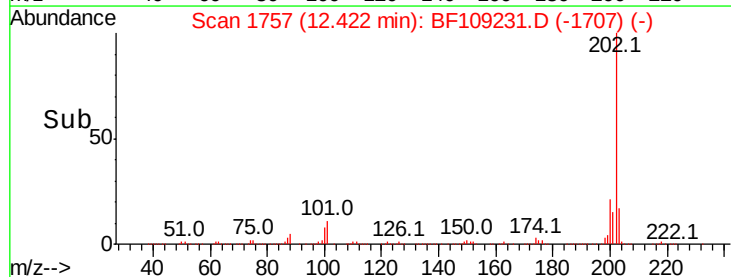
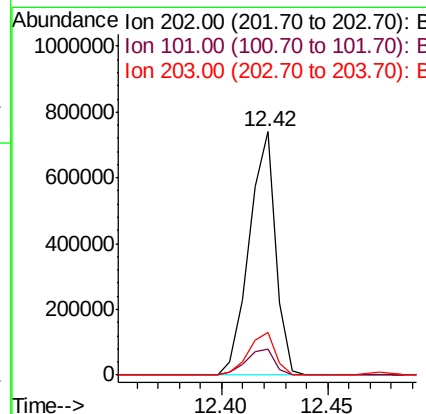
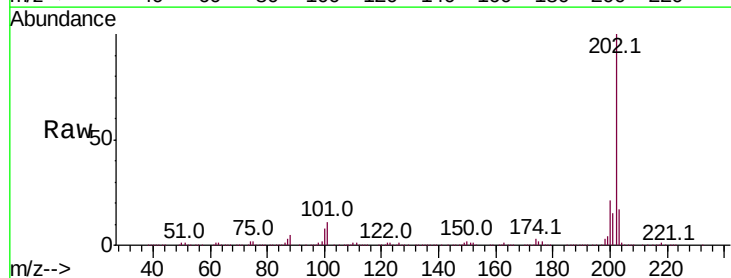
RT: 12.42 min Scan# 1757

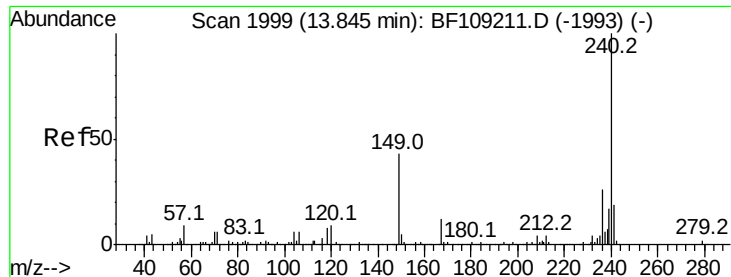
Delta R.T. -0.01 min

Lab File: BF109231.D

Acq: 22 Sep 2018 19:41

Tgt Ion:	202	Resp:	639779
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109231.D

Acq: 22 Sep 2018 19:41

Instrument :

BNA_F

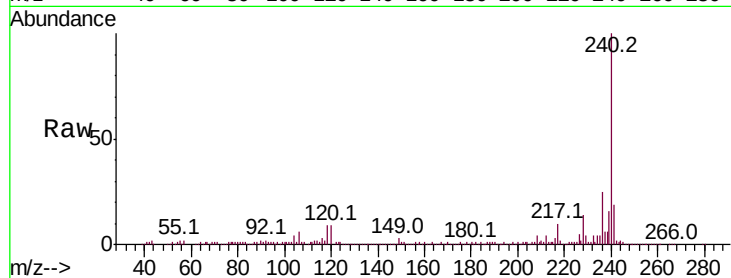
ClientSampleId :

PL-02-0920-18-C

Tot Ion	Ratio	Resp	Lower	Upper
240	100	245187		
120	9.3	9.5	14.3#	
236	25.3	20.7	31.1	

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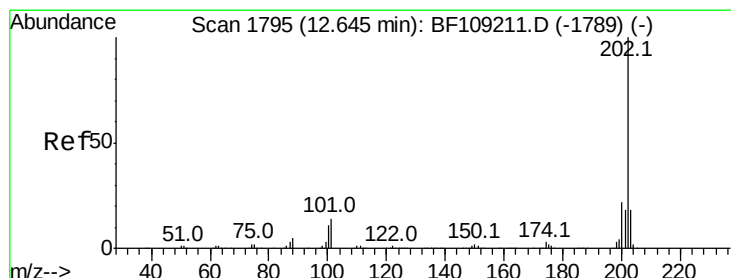
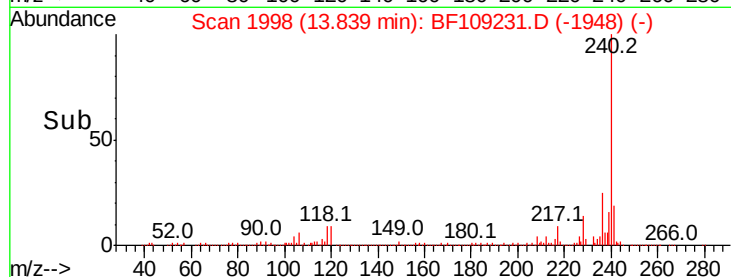
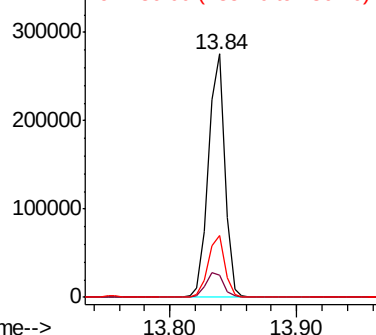


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 31.781 ng

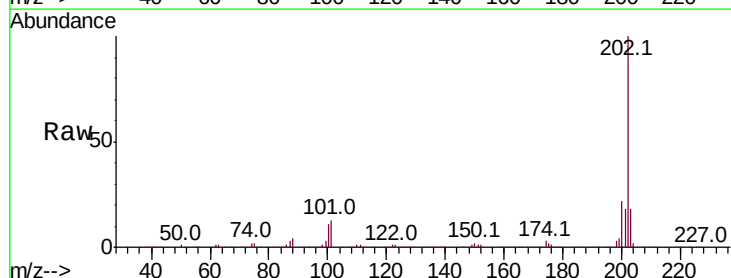
RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109231.D

Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	558463		
200	21.7	17.4	26.2	
203	18.1	14.3	21.5	

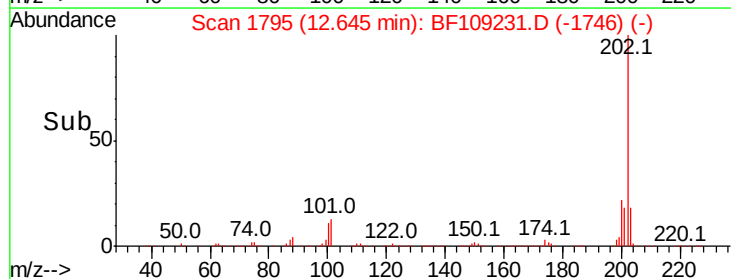
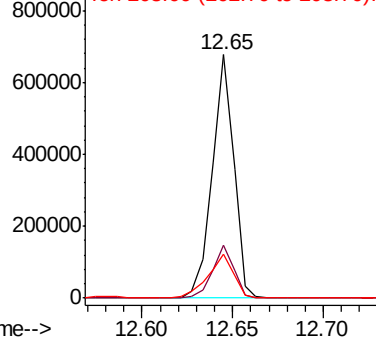


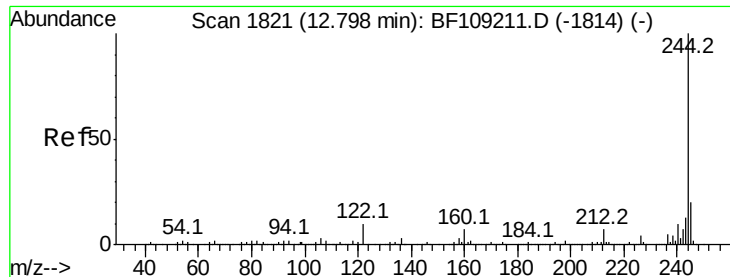
Abundance

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





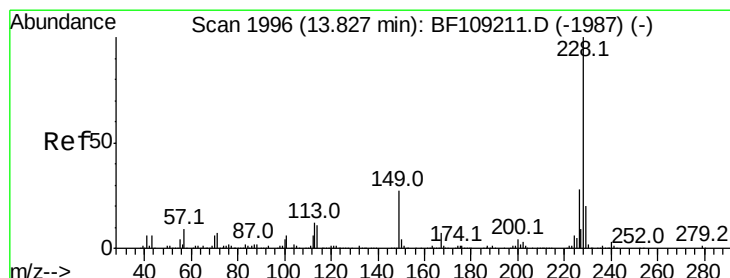
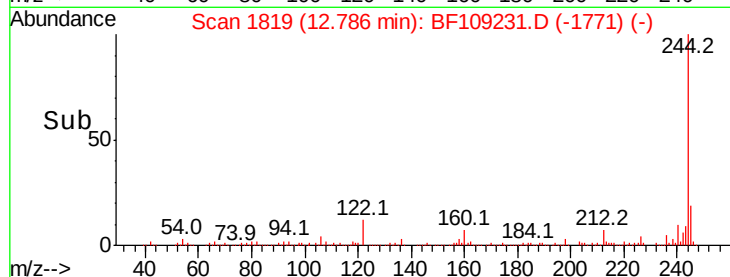
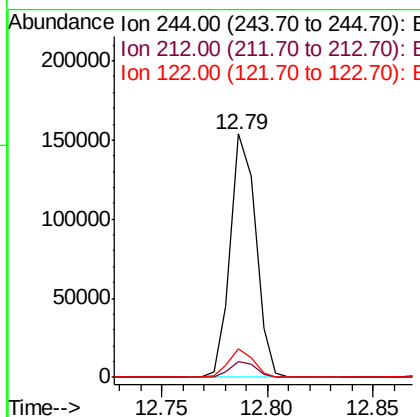
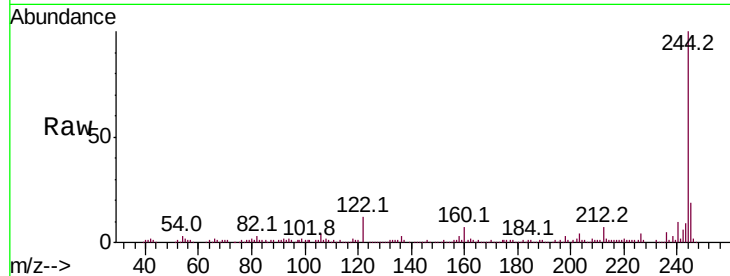
#78
 Terphenyl-d14
 Concen: 12.869 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.02 min
 Lab File: BF109231.D
 Acq: 22 Sep 2018 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.7	11.0	16.4

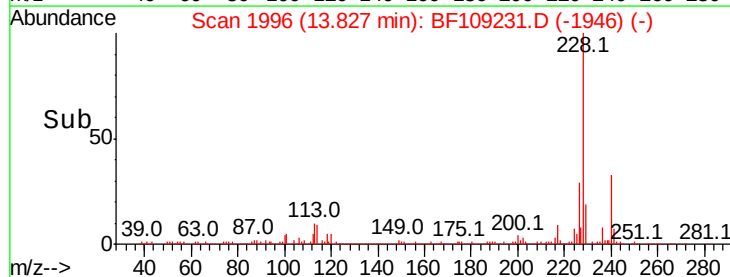
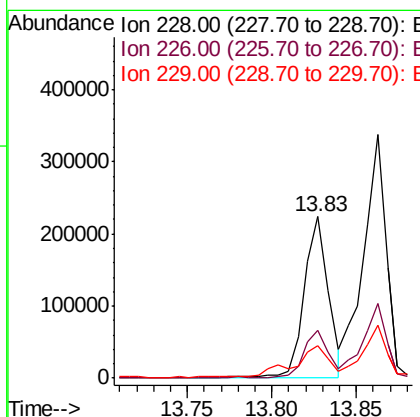
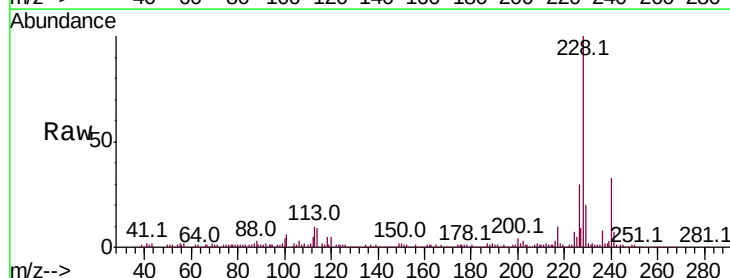
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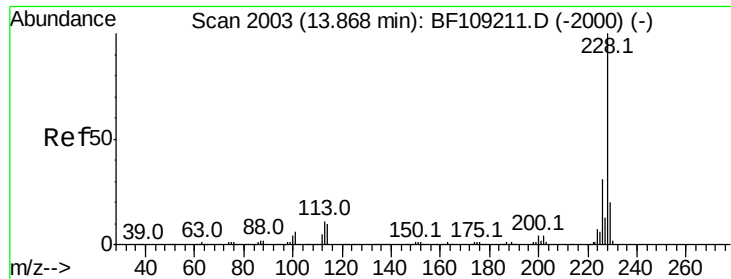
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#80
 Benzo(a)anthracene
 Concen: 14.883 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109231.D
 Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.4	15.8	23.6





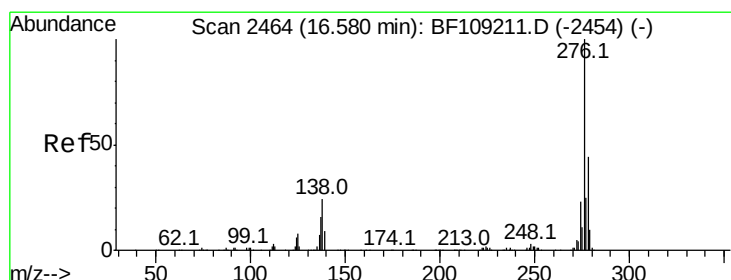
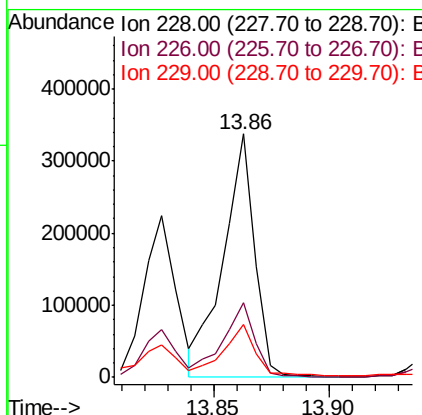
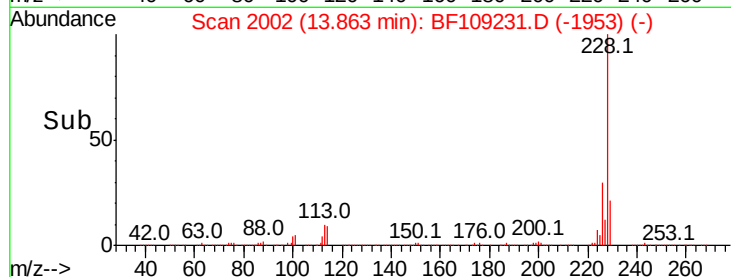
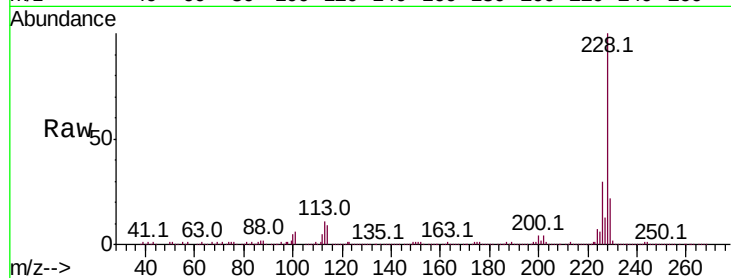
#82
Chrysene
Concen: 21.605 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion:	228	Resp:	316254
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	21.9	16.2	24.4

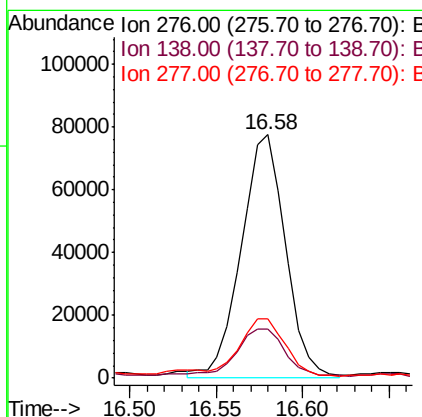
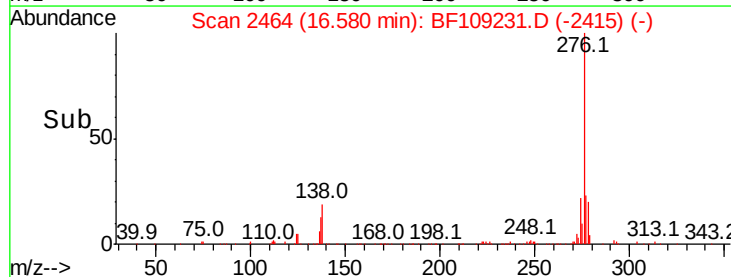
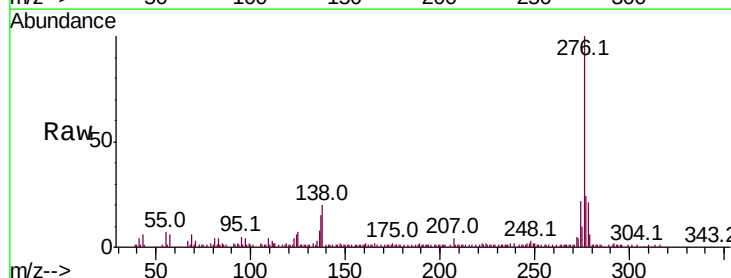
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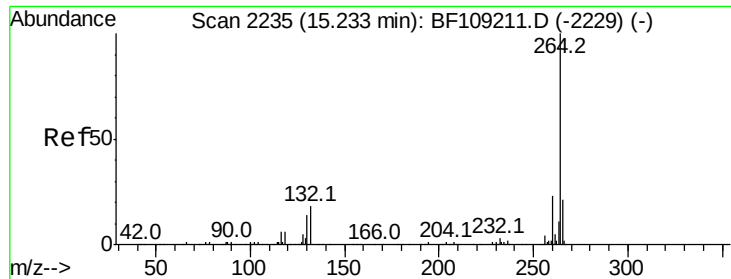
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.511 ng m
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion:	276	Resp:	136570
Ion Ratio	Lower	Upper	
276	100		
138	5.1	25.0	37.6#
277	5.3	20.1	30.1#





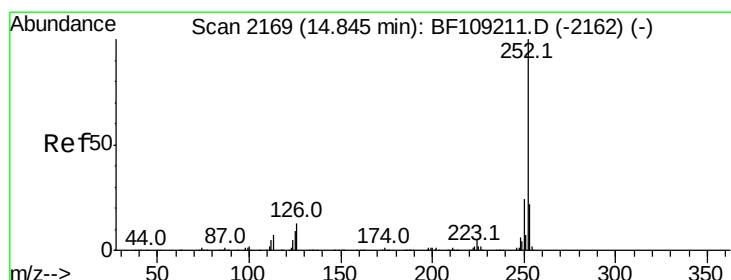
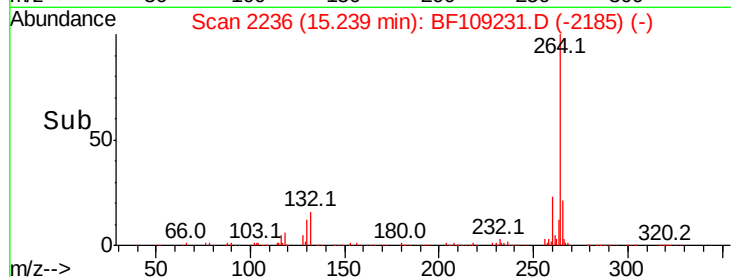
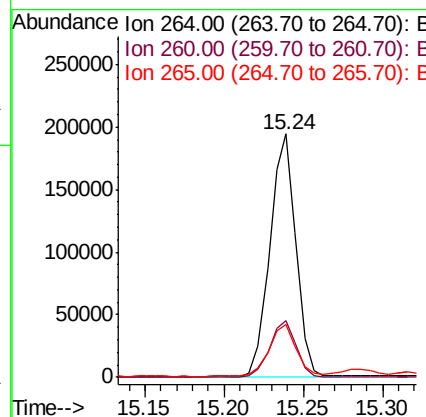
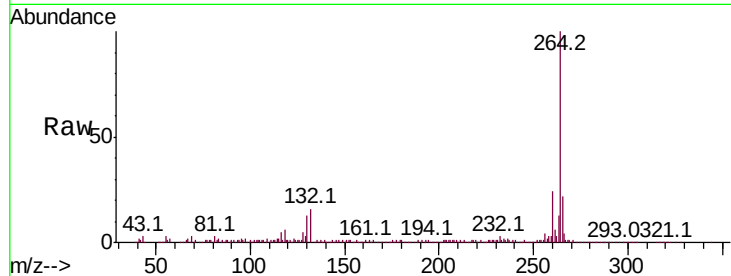
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	17.5	26.3

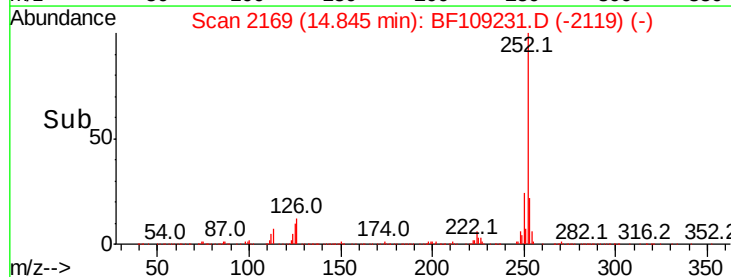
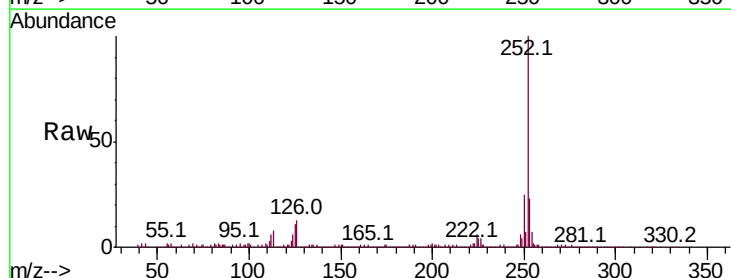
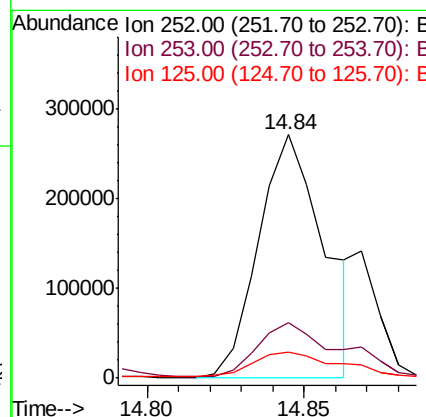
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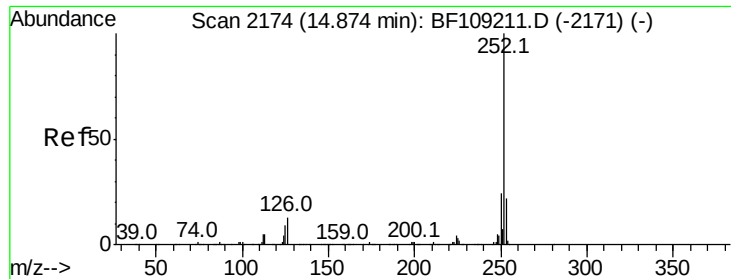
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#87
Benzo(b)fluoranthene
Concen: 32.330 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.7	9.0	13.6





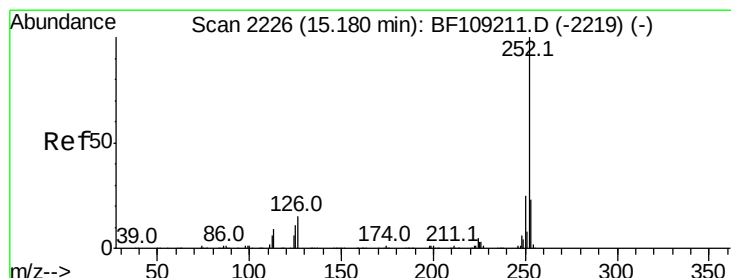
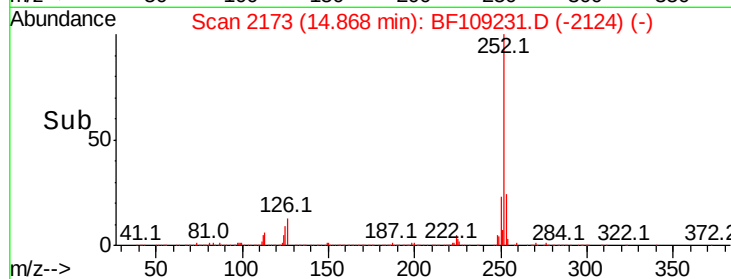
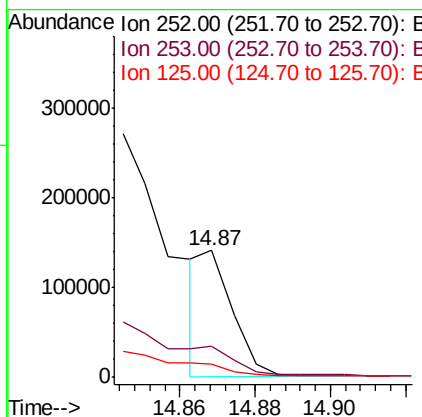
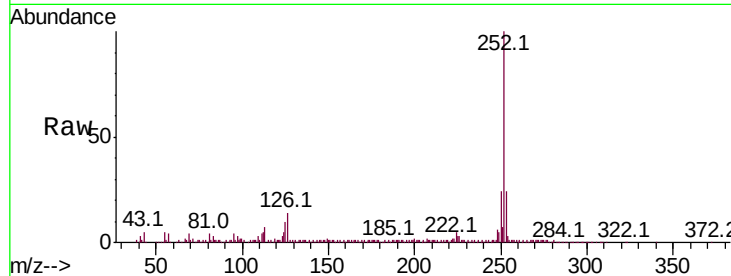
#88
Benzo(k)fluoranthene
Concen: 6.833 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.0	10.2	15.2#

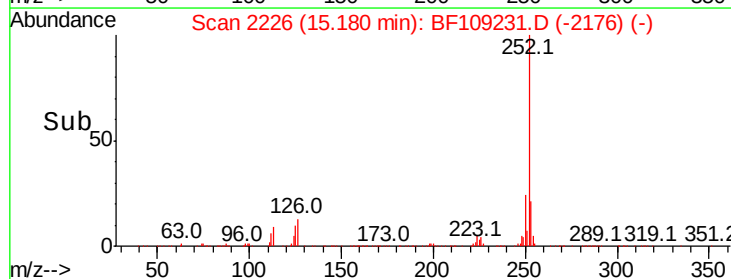
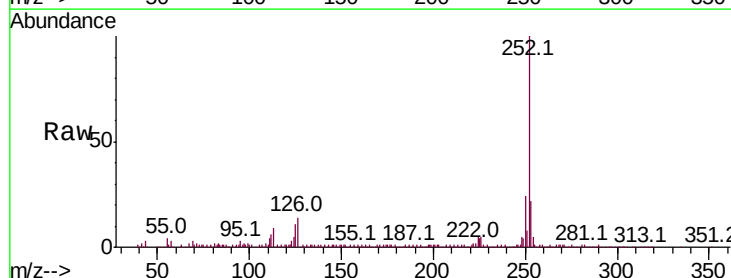
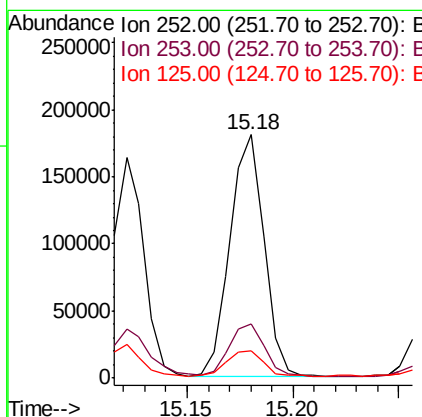
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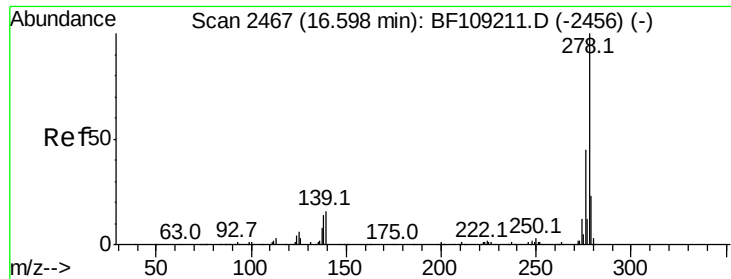
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#89
Benzo(a)pyrene
Concen: 18.388 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.2	9.8	14.6





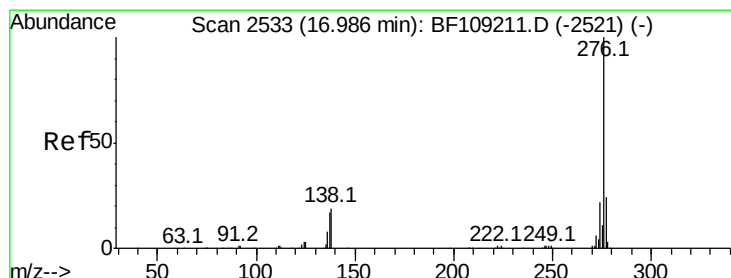
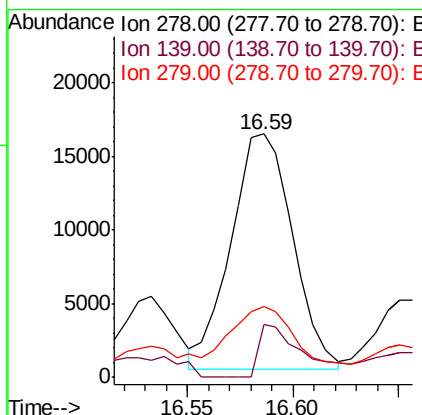
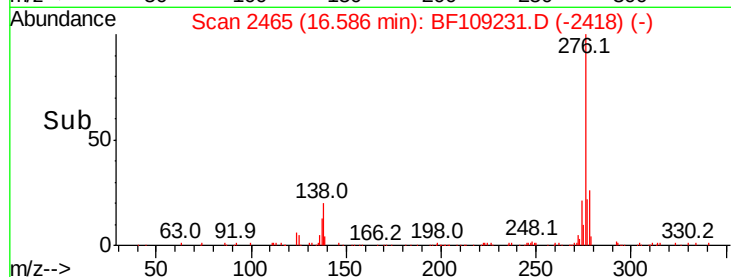
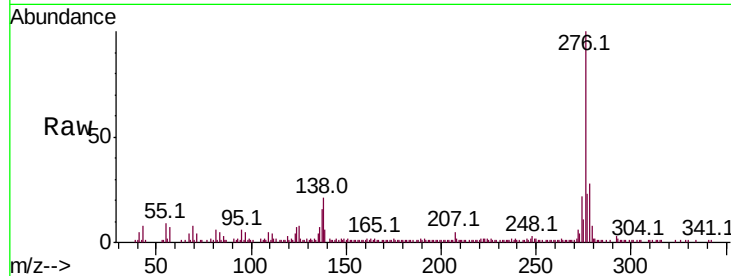
#90
Dibenzo(a,h)anthracene
Concen: 3.594 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Instrument :
BNA_F
ClientSampleId :
PL-02-0920-18-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.9	23.9
279	28.8	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 14.808 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF109231.D
Acq: 22 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	21.2	21.8	32.8

