

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109232.D
 Acq On : 22 Sep 2018 20:08
 Operator : JU/SJ
 Sample : J4777-17 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 9/24/2018 11:38:58 AM

Quant Time: Sep 24 07:46:15 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	124276	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	484328	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	224623	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	372155	20.00	ng	0.00
75) Chrysene-d12	13.84	240	245344	20.00	ng	0.00
86) Perylene-d12	15.24	264	247576	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	100062	13.26	ng	-0.02
7) Phenol-d6	6.33	99	131614	13.67	ng	-0.02
23) Nitrobenzene-d5	7.26	82	76193	9.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	26201	11.83	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	160618	10.78	ng	-0.01
78) Terphenyl-d14	12.79	244	111189	11.12	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.45	163	38441	2.353	ng	100
51) Acenaphthene	9.77	154	27822	2.086	ng	99
57) Fluorene	10.28	166	61495	4.346	ng	99
70) Phenanthrene	11.23	178	381670	20.540	ng	99
71) Anthracene	11.29	178	80841	4.289	ng	99
74) Fluoranthene	12.42	202	464784	23.406	ng	97
77) Pyrene	12.64	202	503533	28.637	ng	100
80) Benzo(a)anthracene	13.83	228	210886	14.270	ng	97
82) Chrysene	13.86	228	229801	15.689	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	84423m	7.111	ng	
87) Benzo(b)fluoranthene	14.84	252	242214m	17.804	ng	
88) Benzo(k)fluoranthene	14.86	252	84141m	6.518	ng	
89) Benzo(a)pyrene	15.17	252	181613	14.815	ng	98
90) Dibenzo(a,h)anthracene	16.59	278	26361	2.621	ng	92
91) Benzo(a,h,i)perylene	16.98	276	81472	8.243	ng	# 91

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

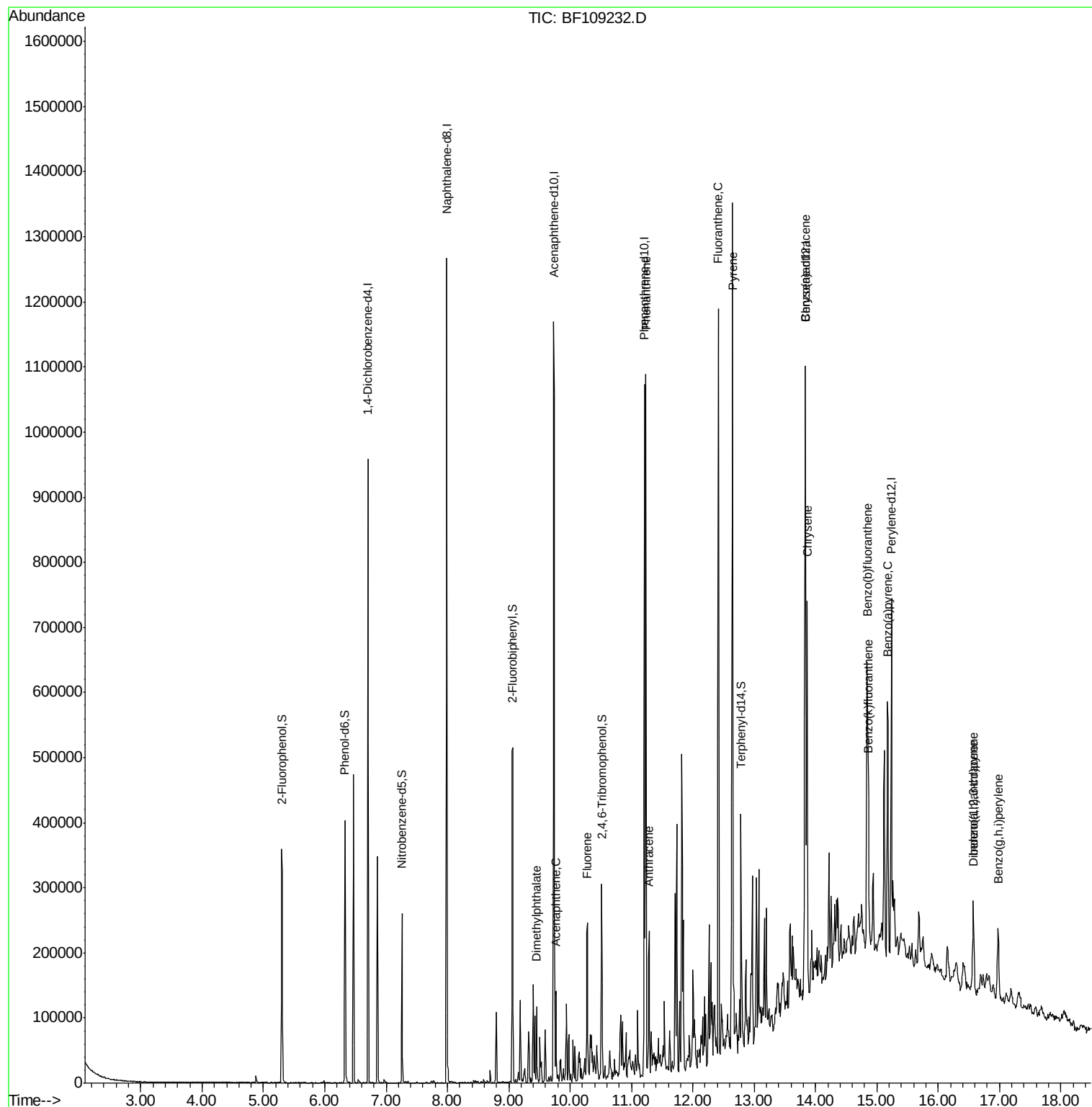
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
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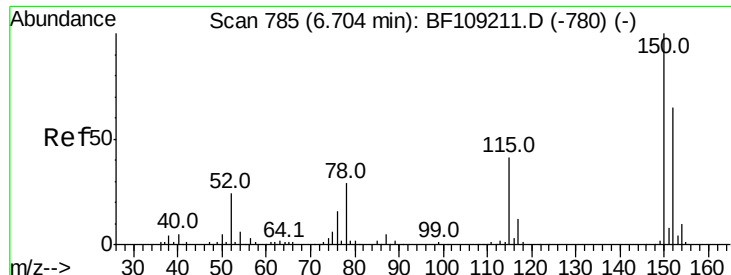
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#1

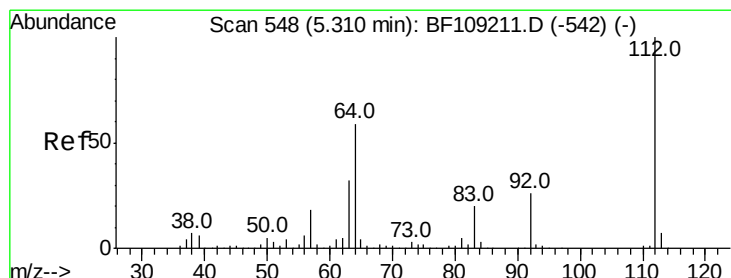
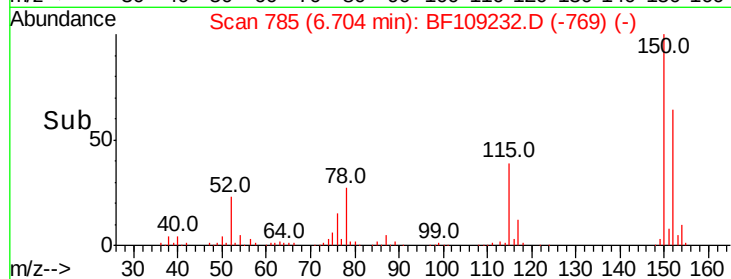
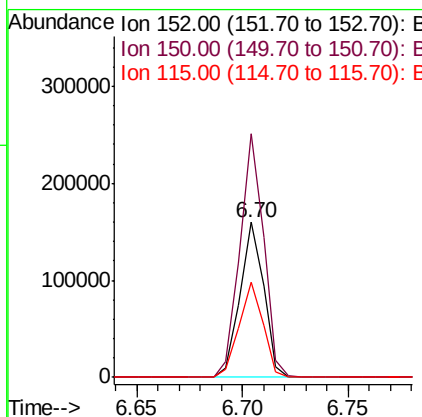
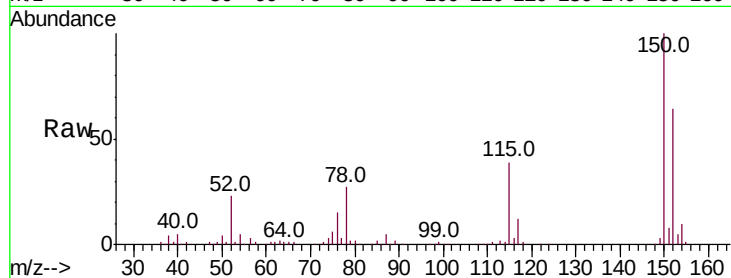
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	61.8	50.1	75.1

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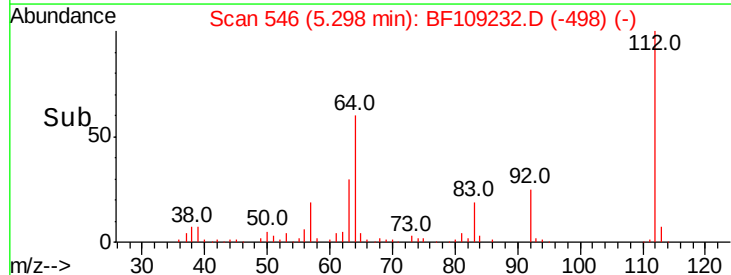
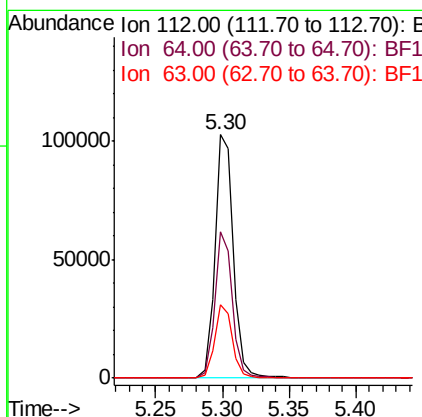
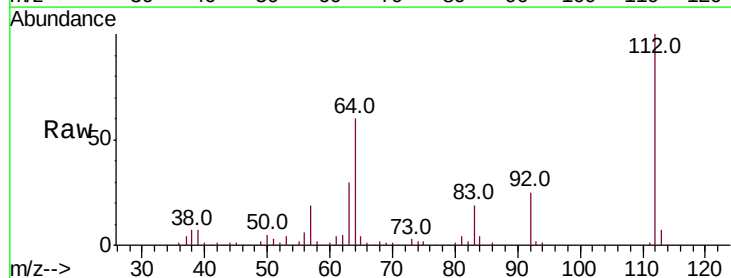
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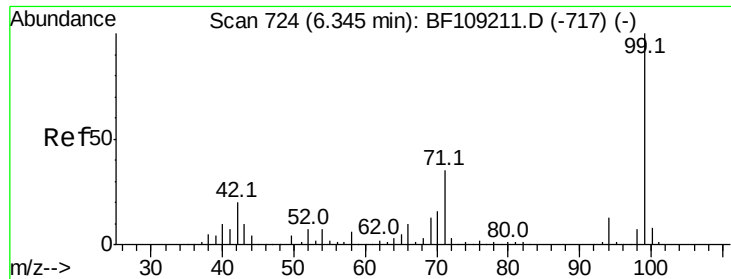


#5

2-Fluorophenol
Concen: 13.262 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 13.670 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

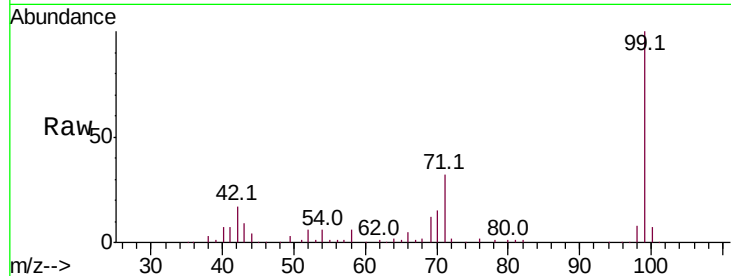
ClientSampleId :

PL-02-0920-18-D

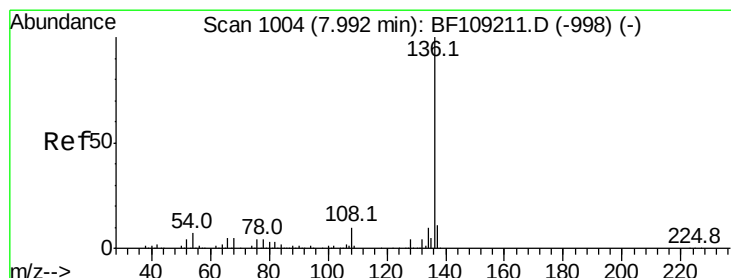
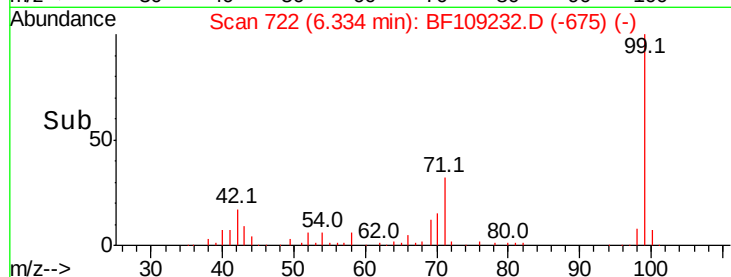
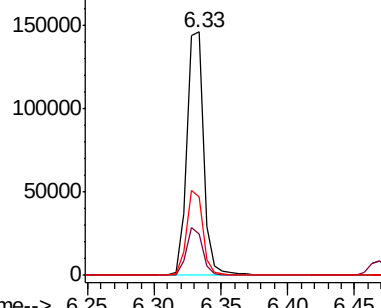
Tot Ion:	99	Resp:	131614
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.5	21.7
71	32.2	25.4	38.0

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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

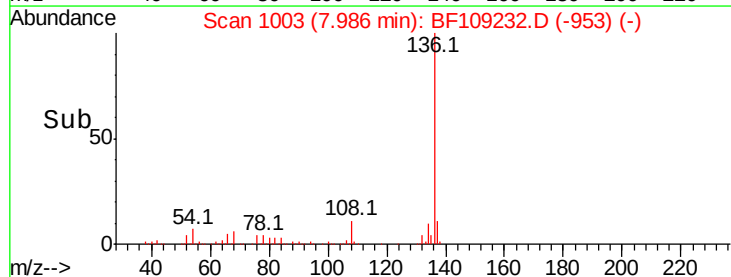
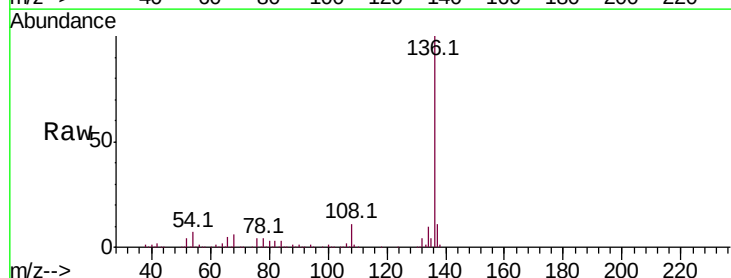
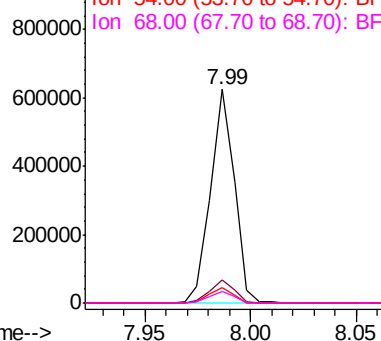
Delta R.T. -0.01 min

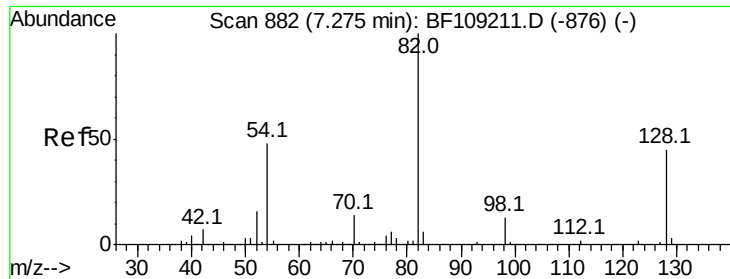
Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Tgt Ion:	136	Resp:	484328
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.3	6.6	9.8
68	5.6	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





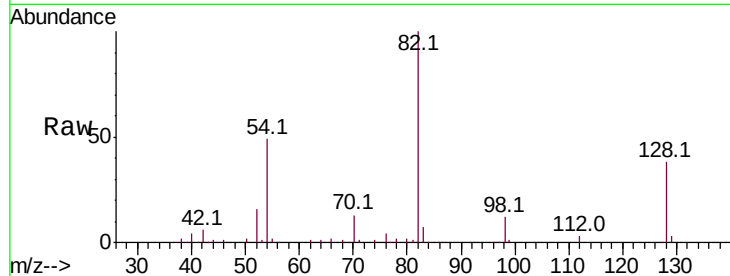
#23
 Nitrobenzene-d5
 Concen: 9.287 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.9	36.1	54.1
54	49.1	41.4	62.2

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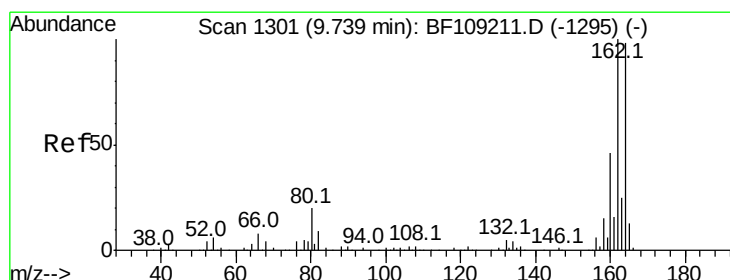
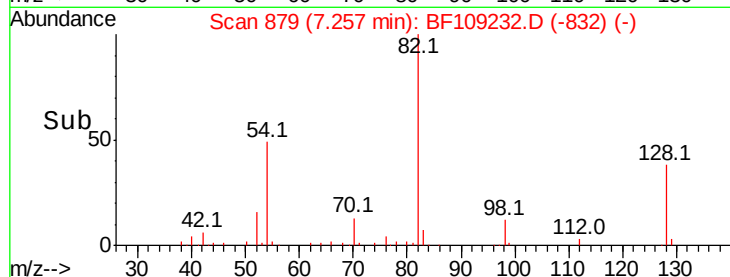
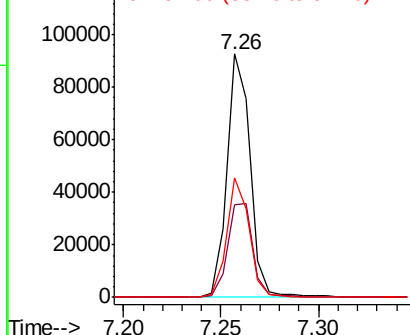


Abundance

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: BF109232.D
 Acq: 22 Sep 2018 20:08

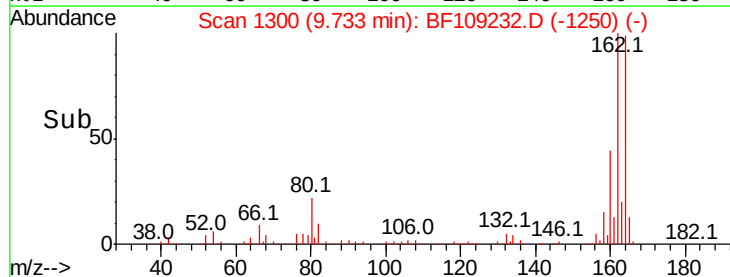
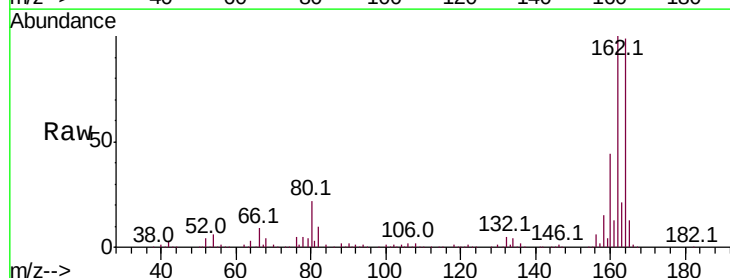
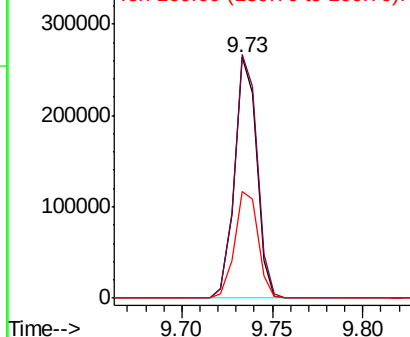
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	44.5	38.3	57.5

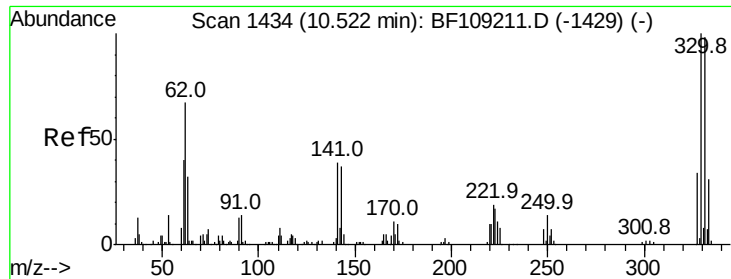
Abundance

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





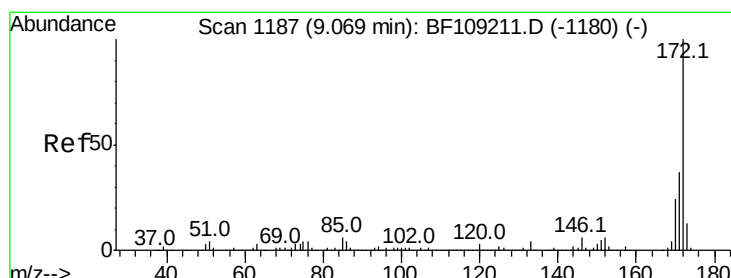
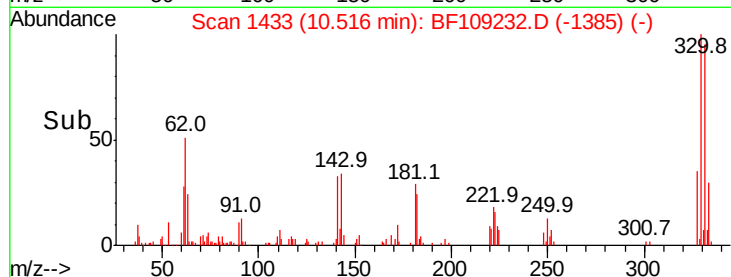
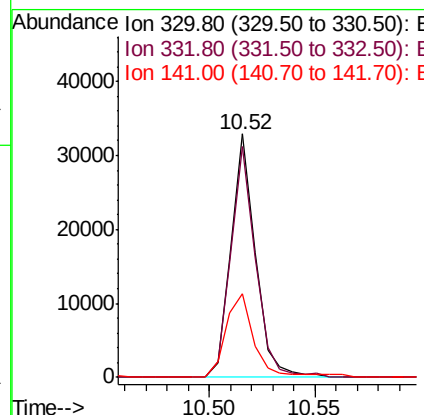
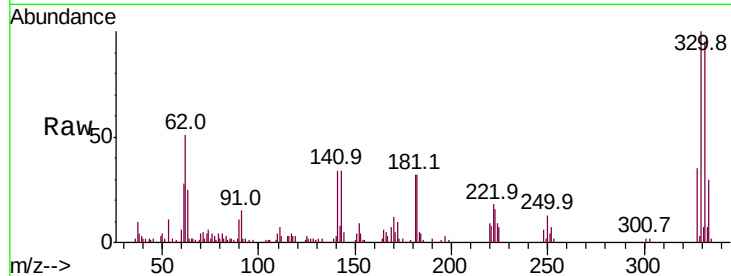
#41
 2,4,6-Tribromophenol
 Concen: 11.833 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

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

Tot Ion:	330	Resp:	26201
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.6
141	38.9	29.9	44.9

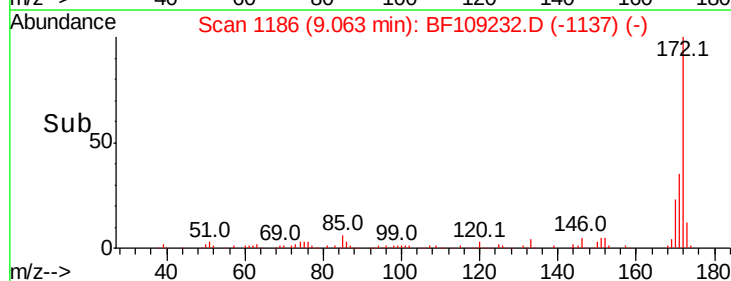
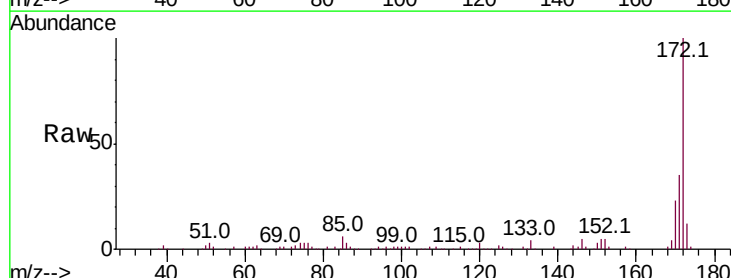
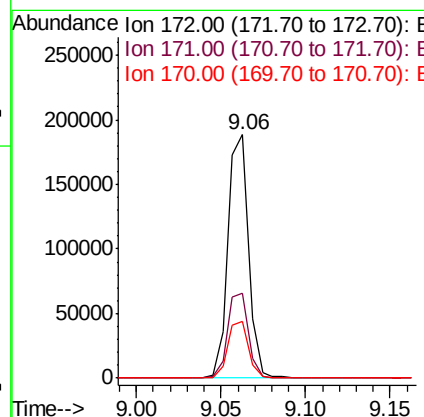
Manual Integrations
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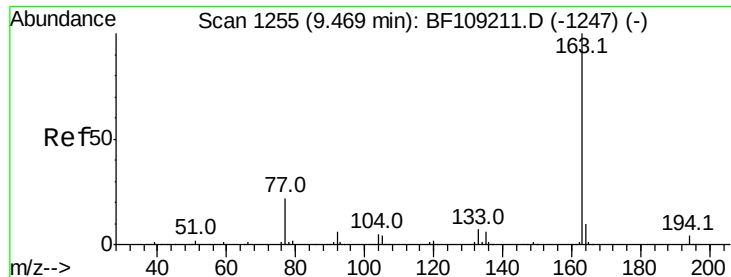
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#44
 2-Fluorobiphenyl
 Concen: 10.784 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

Tgt Ion:	172	Resp:	160618
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	23.1	19.6	29.4





#49

Dimethylphthalate

Concen: 2.353 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

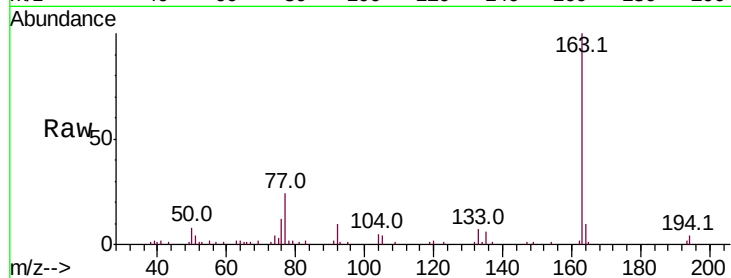
ClientSampleId :

PL-02-0920-18-D

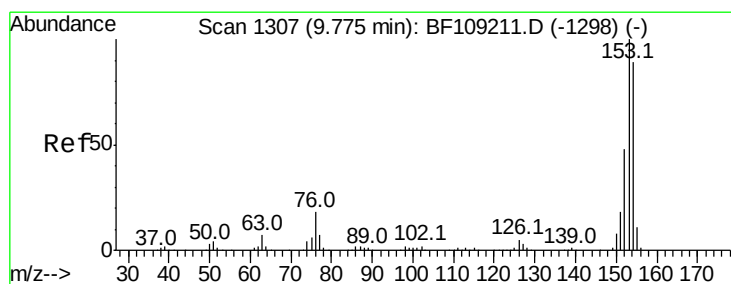
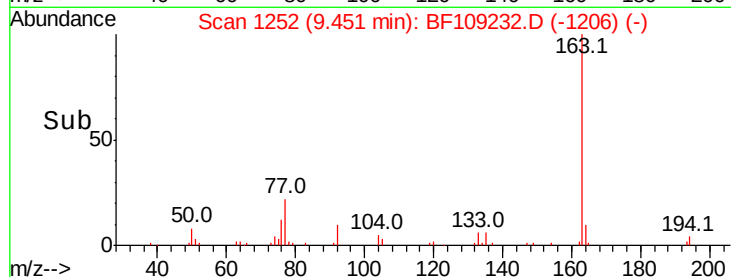
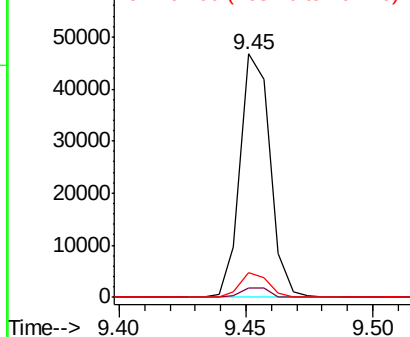
Tot Ion:	163	Resp:	38441
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.086 ng

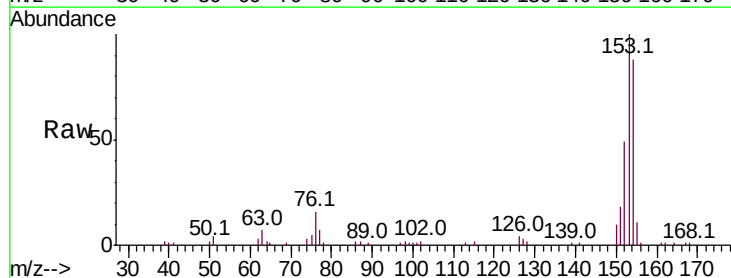
RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

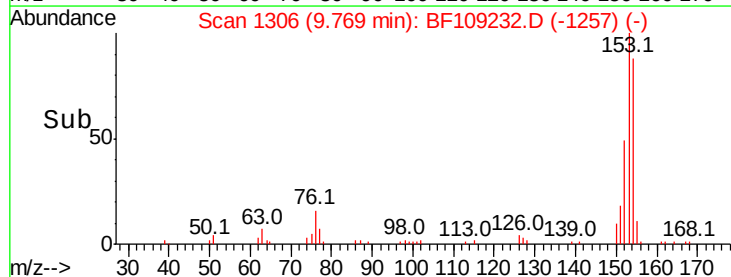
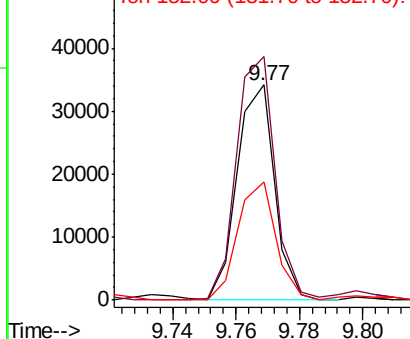
Lab File: BF109232.D

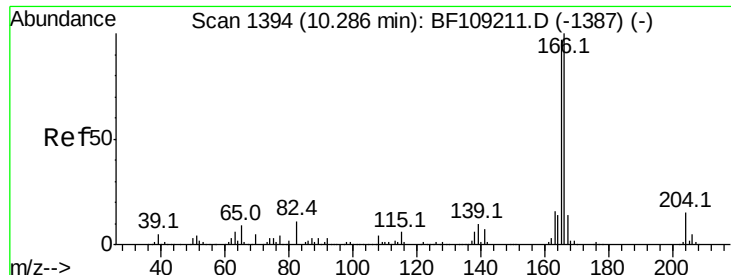
Acq: 22 Sep 2018 20:08

Tgt Ion:	154	Resp:	27822
Ion Ratio	Lower	Upper	
154	100		
153	113.2	91.2	136.8
152	55.2	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





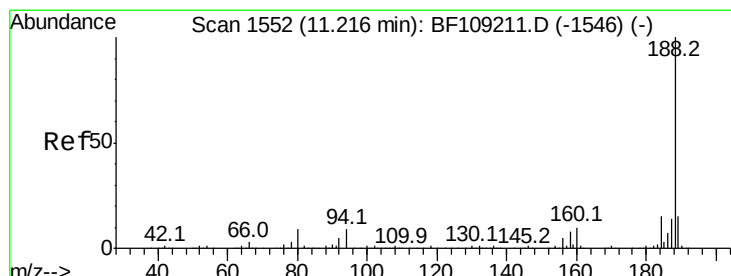
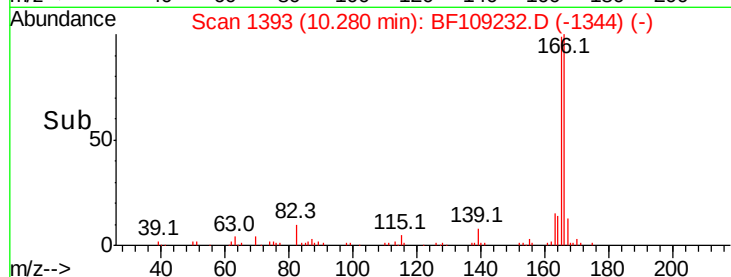
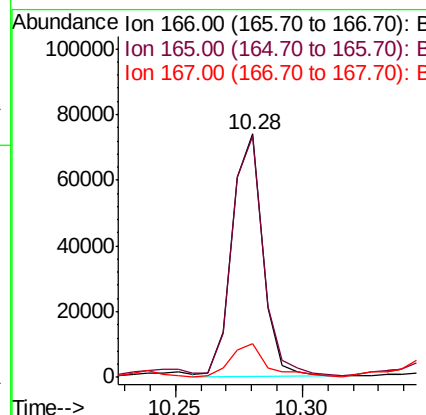
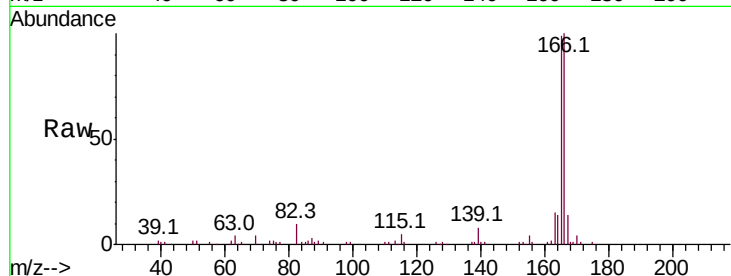
#57
Fluorene
 Concen: 4.346 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

Instrument :
 BNA_F
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 PL-02-0920-18-D

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	13.7	10.6	16.0

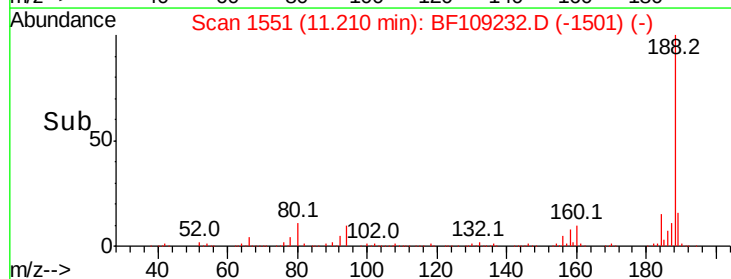
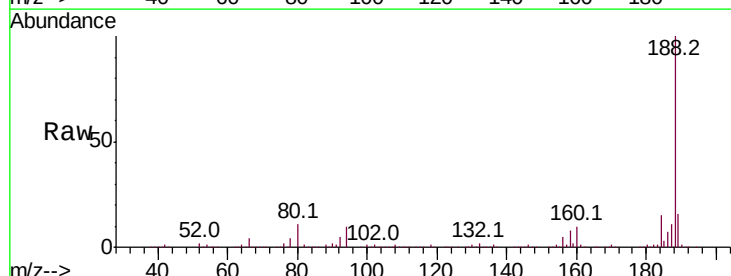
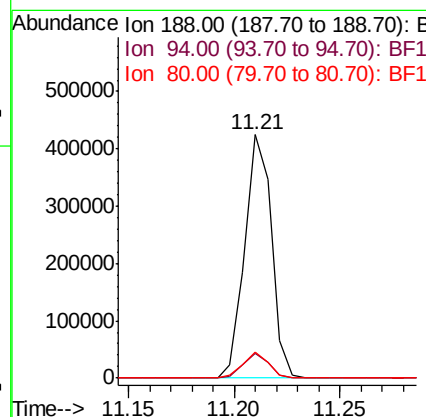
Manual Integrations
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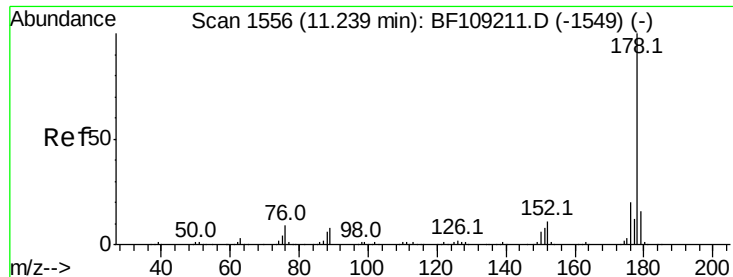
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.6	9.2	13.8





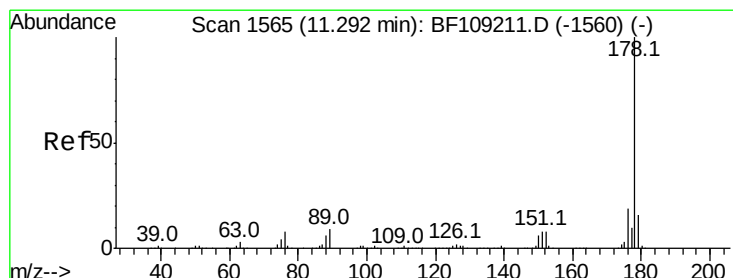
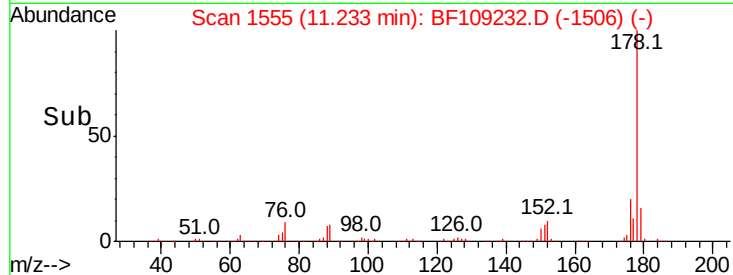
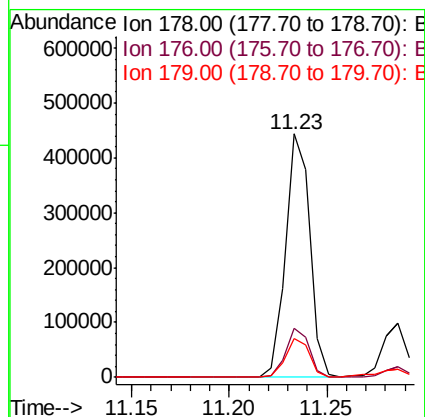
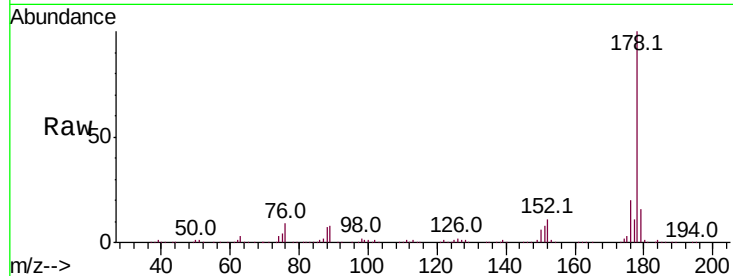
#70
Phenanthrene
Concen: 20.540 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion:178	Resp:	381670
Ion Ratio	Lower	Upper
178	100	
176	20.3	15.8 23.8
179	16.0	13.0 19.6

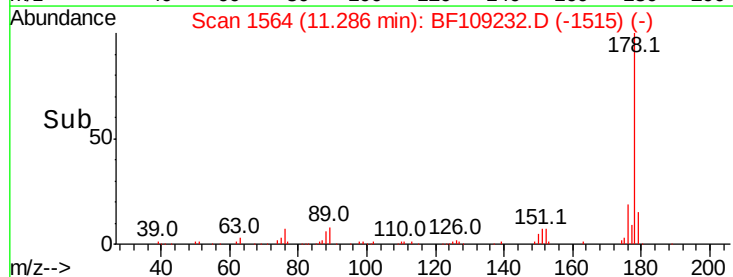
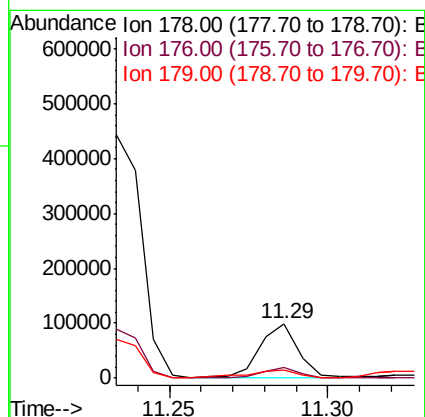
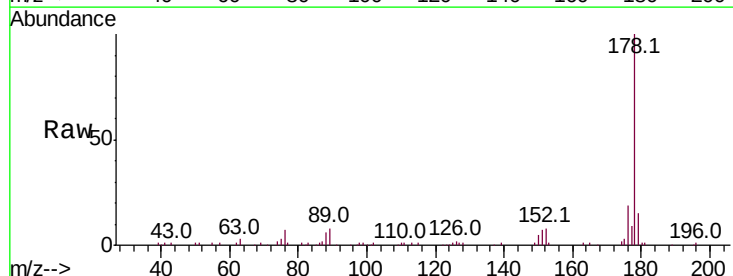
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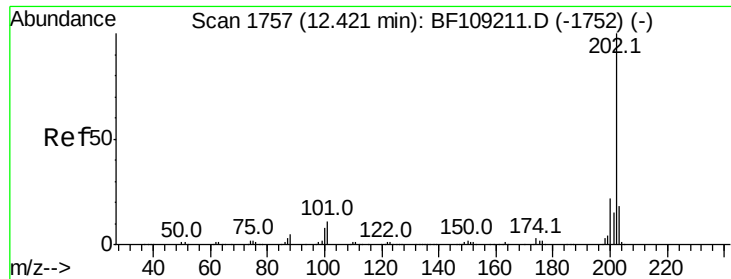
Sohil
9/24/2018 11:38:58 AM



#71
Anthracene
Concen: 4.289 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion:178	Resp:	80841
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.2
179	15.2	12.6 19.0





#74

Fluoranthene

Concen: 23.406 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

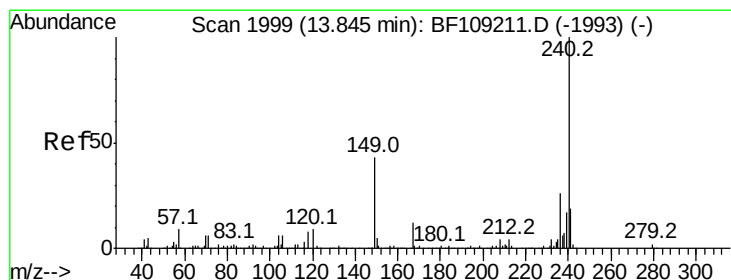
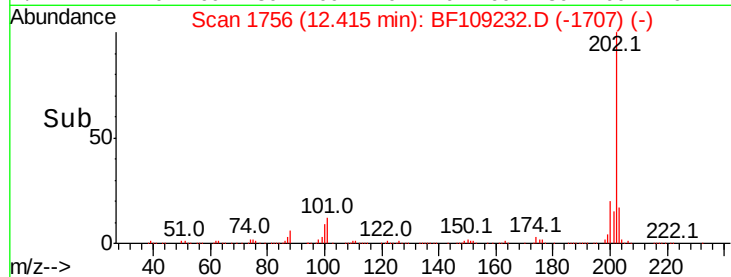
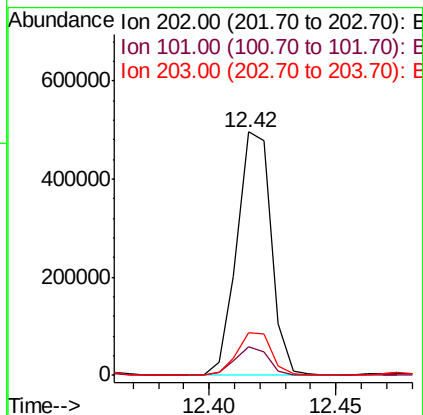
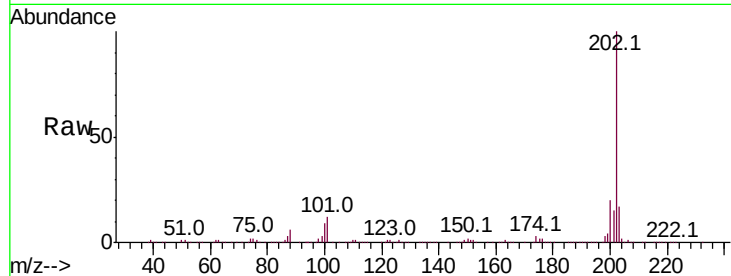
ClientSampleId :

PL-02-0920-18-D

Tot Ion	Ratio	Resp	Lower	Upper
202	100	464784		
101	12.0	0.0	34.1	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

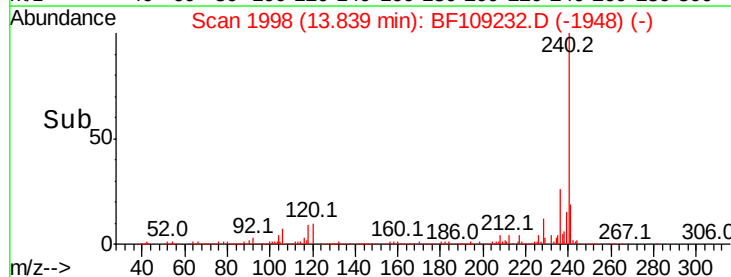
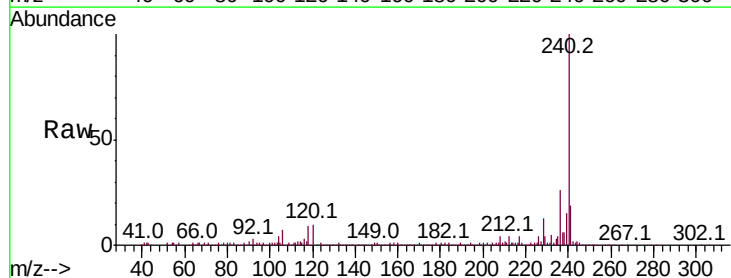
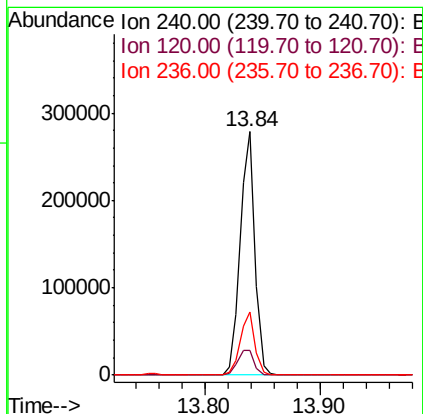
RT: 13.84 min Scan# 1998

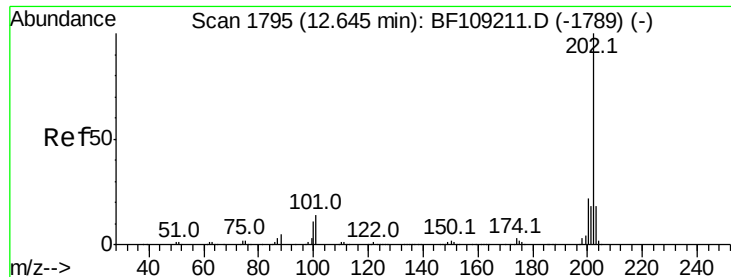
Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	245344		
120	10.2	9.5	14.3	
236	25.9	20.7	31.1	





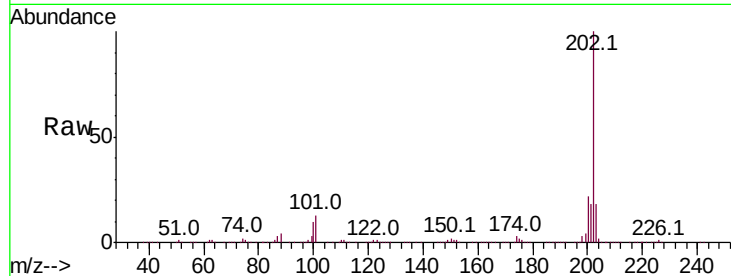
#77
Pvrene
Concen: 28.637 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5

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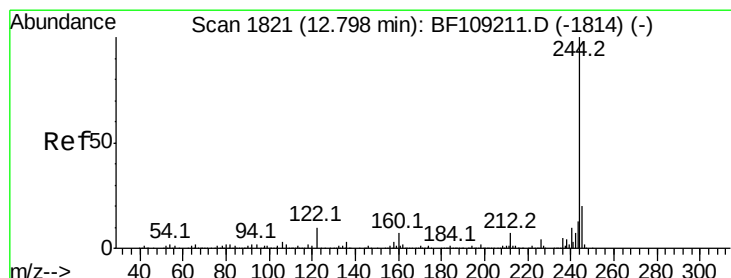
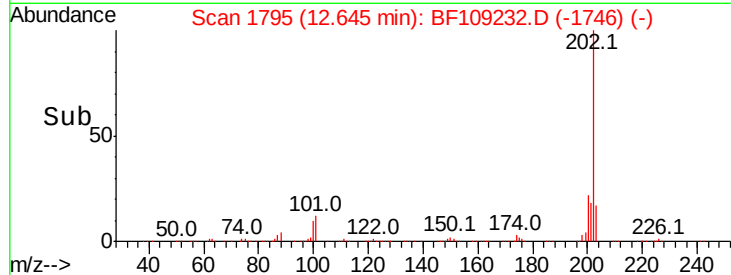
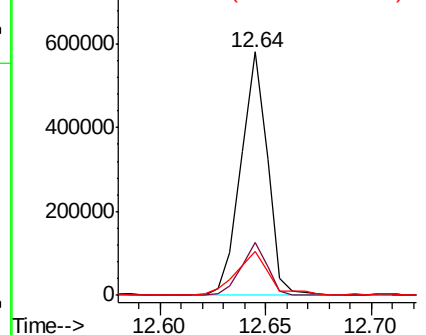


Abundance

Ion 202.00 (201.70 to 202.70): E

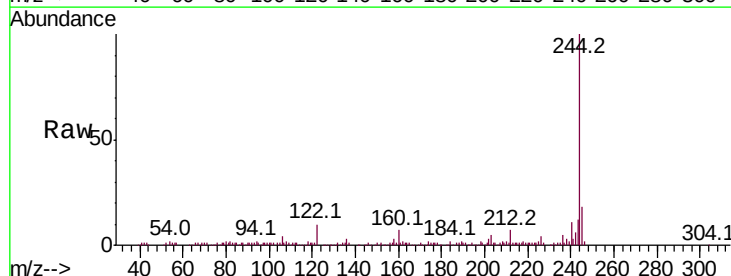
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 11.122 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	9.7	11.0	16.4#

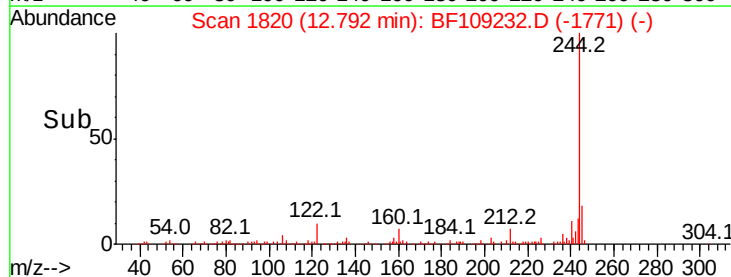
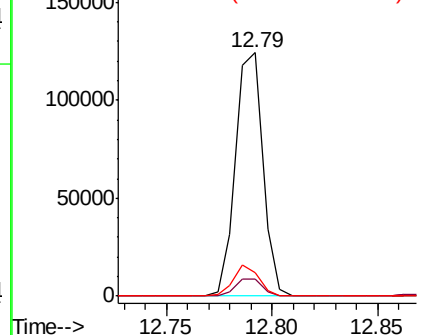


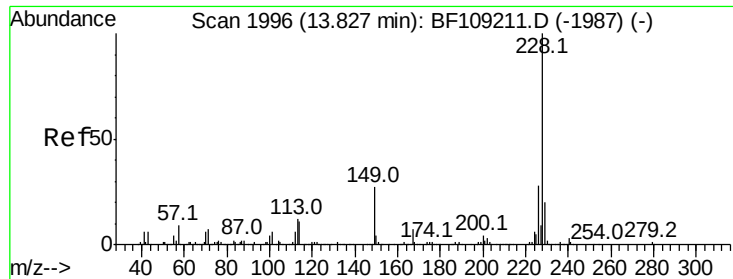
Abundance

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





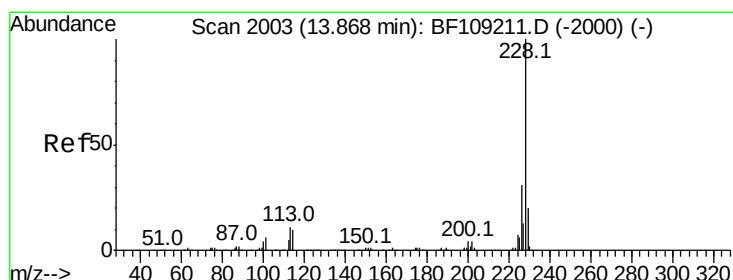
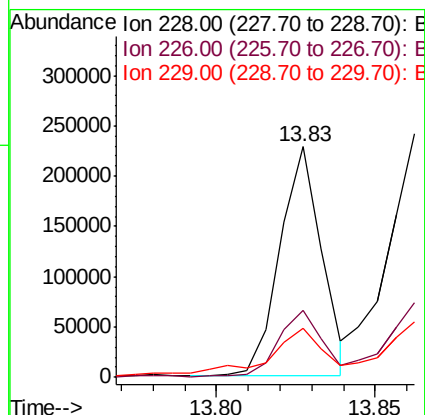
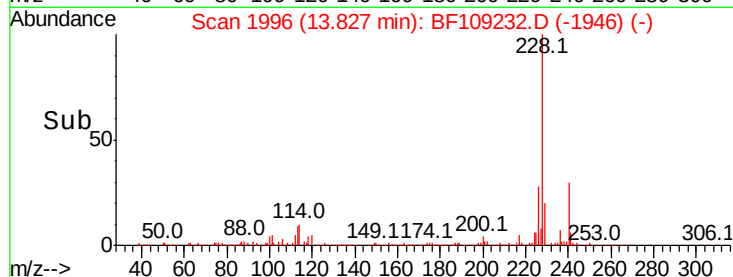
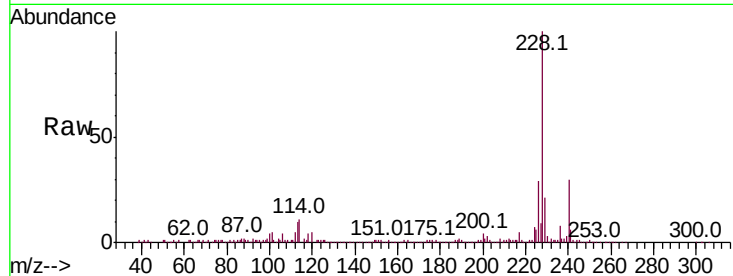
#80
Benzo(a)anthracene
Concen: 14.270 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.3	15.8	23.6

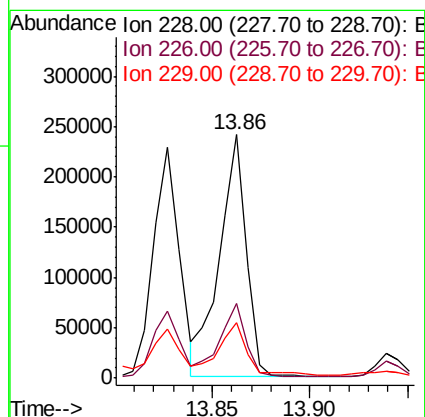
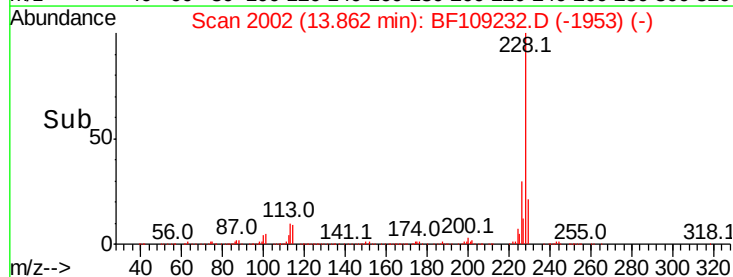
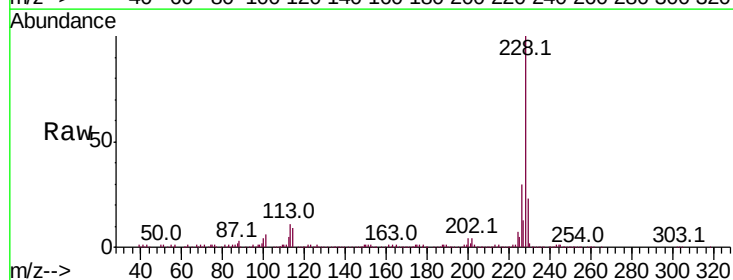
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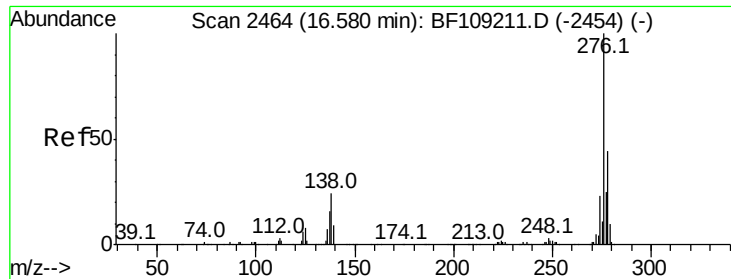
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#82
Chrysene
Concen: 15.689 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.6	16.2	24.4





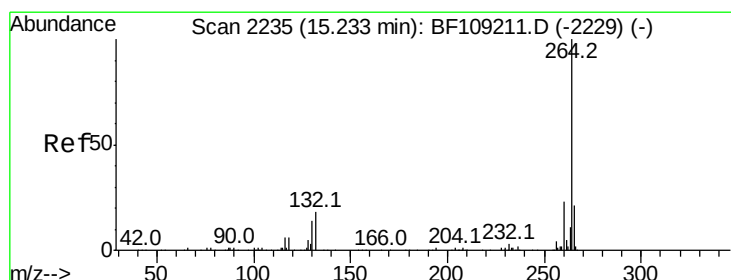
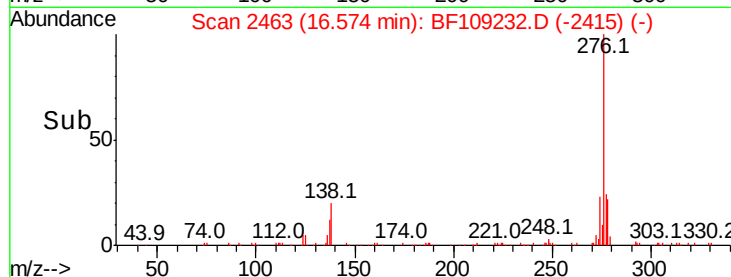
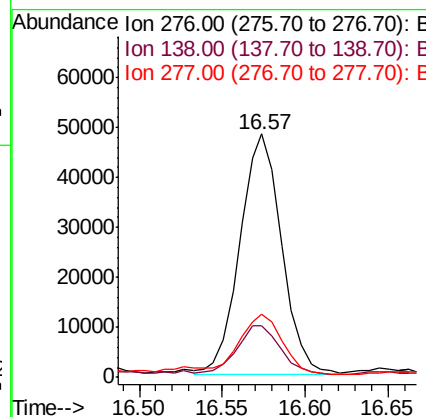
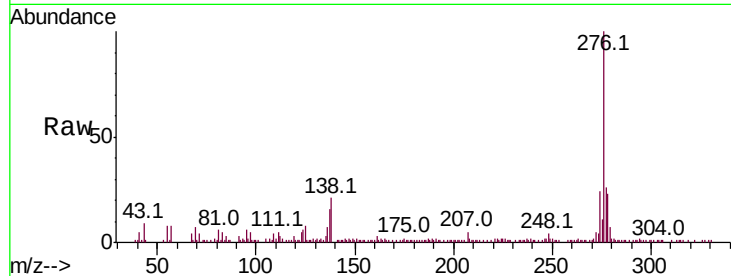
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.111 ng/ml
RT: 16.57 min Scan# 2463
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.8	25.0	37.6#
277	5.0	20.1	30.1#

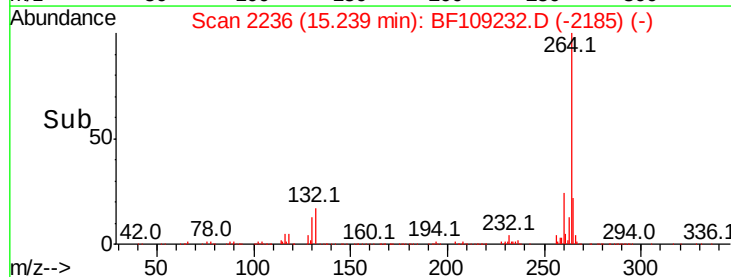
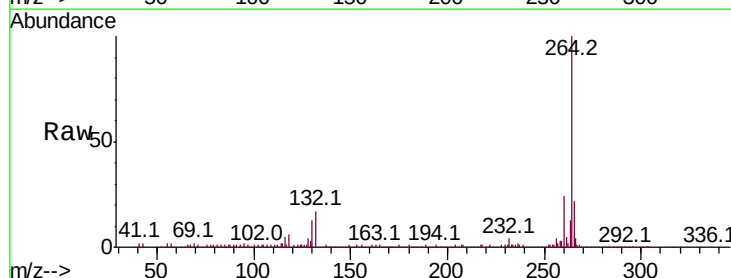
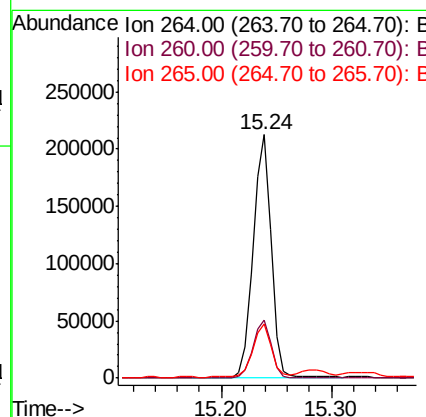
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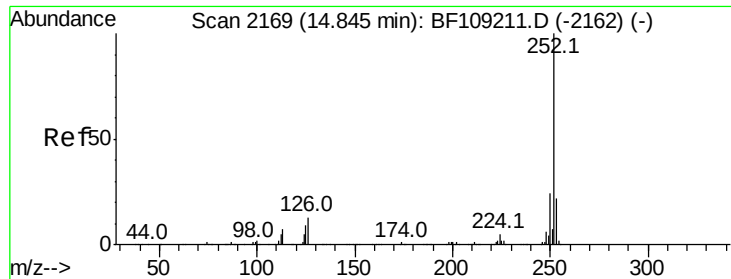
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3





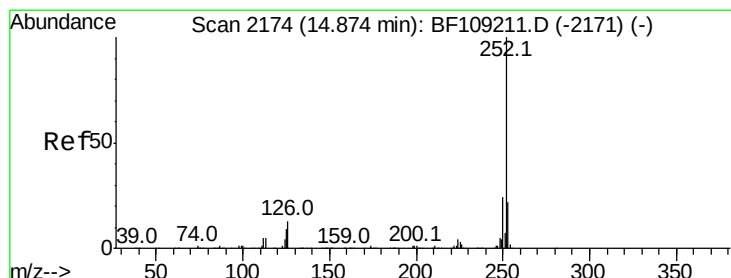
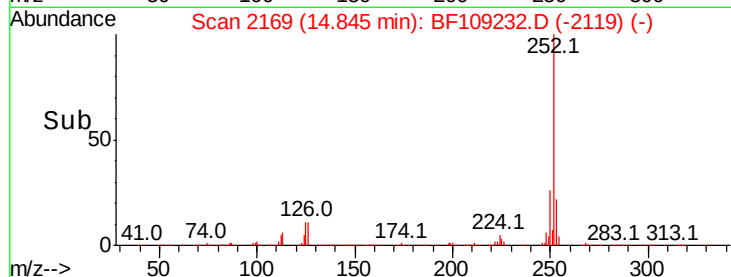
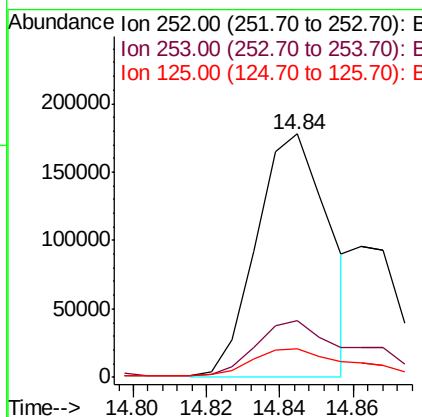
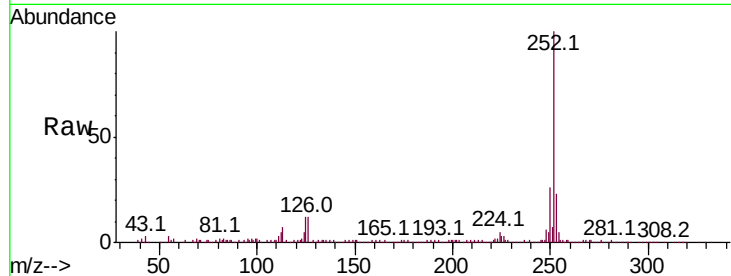
#87
Benzo(b)fluoranthene
Concen: 17.804 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.6	9.0	13.6

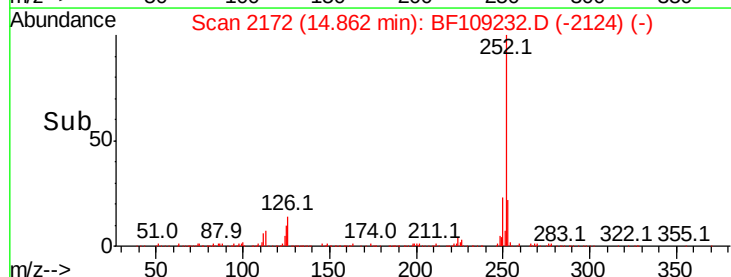
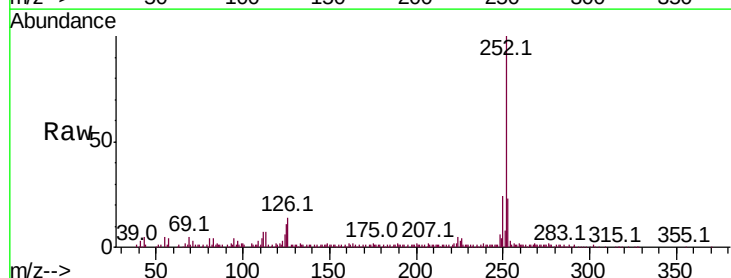
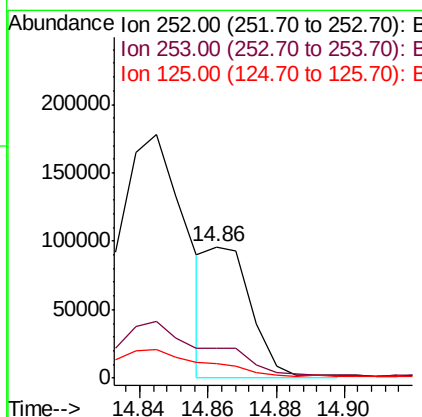
Manual Integrations
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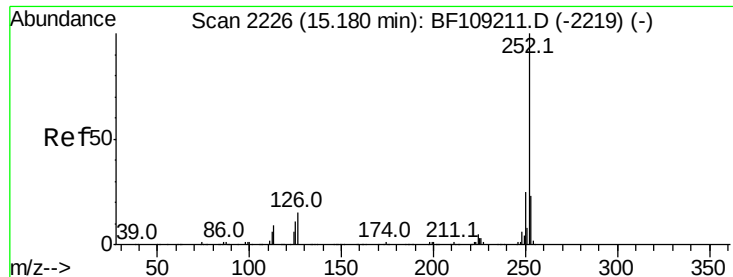
Sohil
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#88
Benzo(k)fluoranthene
Concen: 6.518 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.1	10.2	15.2





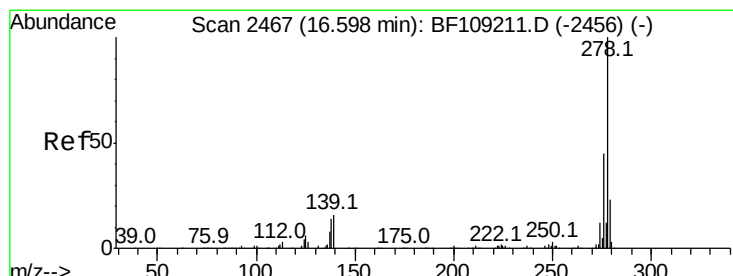
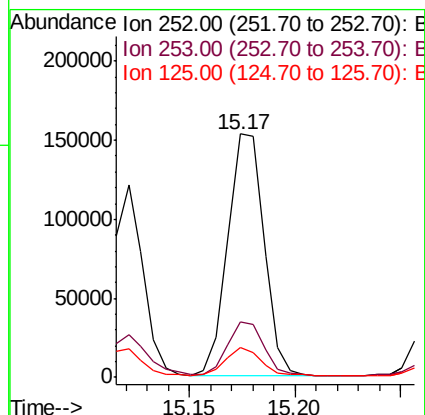
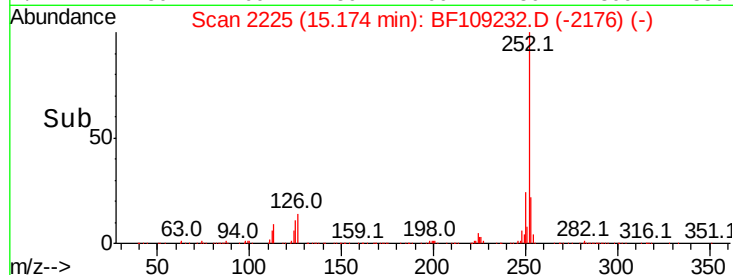
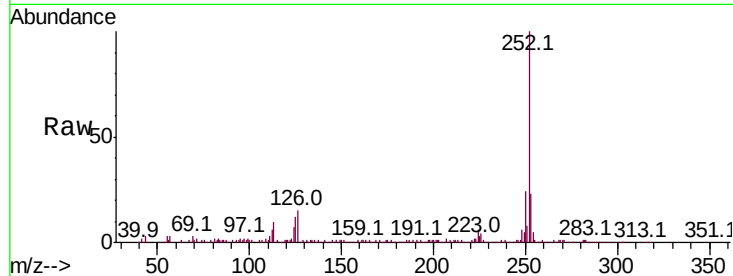
#89
Benzo(a)pyrene
Concen: 14.815 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

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

Tot Ion:	252	Resp:	181613
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	12.2	9.8	14.6

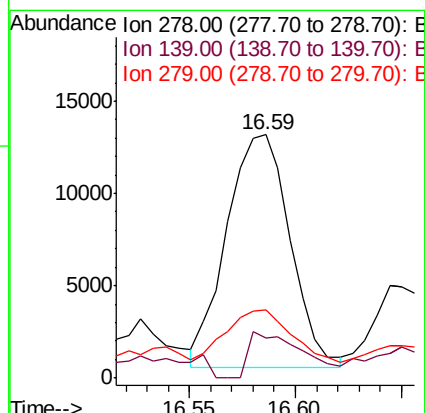
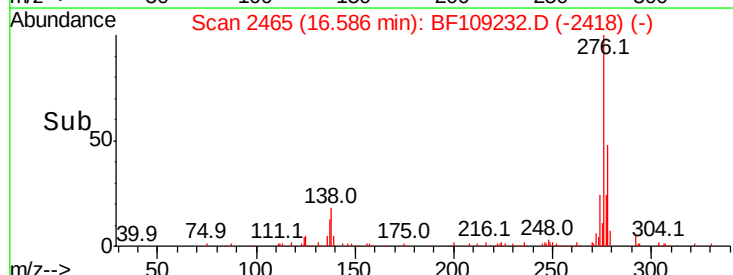
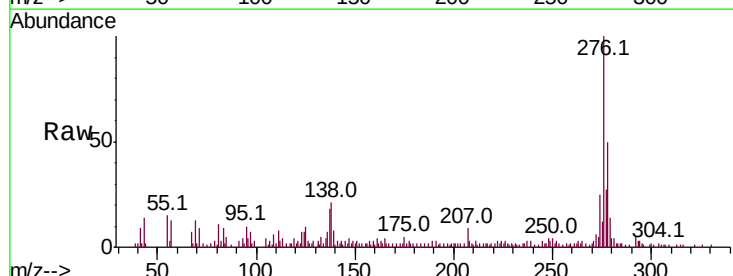
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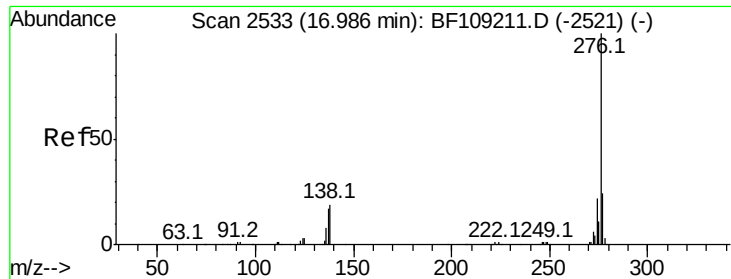
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.621 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion:	278	Resp:	26361
Ion Ratio	Lower	Upper	
278	100		
139	16.4	15.9	23.9
279	28.0	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.243 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.02 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	20.5	21.8	32.8

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