

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109230.D
 Acq On : 22 Sep 2018 19:14
 Operator : JU/SJ
 Sample : J4777-13 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 9/24/2018 11:38:52 AM

Quant Time: Sep 24 07:37:03 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	122917	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	466204	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	215138	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	364926	20.00	ng	0.00
75) Chrysene-d12	13.83	240	249445	20.00	ng	-0.01
86) Perylene-d12	15.23	264	251293	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	127810	17.13	ng	-0.02
7) Phenol-d6	6.33	99	166040	17.44	ng	-0.03
23) Nitrobenzene-d5	7.26	82	98990	12.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	32611	15.38	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	191776	13.44	ng	-0.02
78) Terphenyl-d14	12.79	244	134181	13.20	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.45	163	47950	3.064	ng	99
70) Phenanthrene	11.23	178	91857	5.041	ng	97
74) Fluoranthene	12.42	202	109179	5.607	ng	96
77) Pyrene	12.64	202	173347	9.696	ng	99
80) Benzo(a)anthracene	13.82	228	56165	3.738	ng	95
82) Chrysene	13.86	228	74644	5.012	ng	98
85) Indeno(1,2,3-cd)pyrene	16.57	276	27545	2.282	ng	# 91
87) Benzo(b)fluoranthene	14.84	252	69210m	5.012	ng	
89) Benzo(a)pyrene	15.17	252	57561	4.626	ng	97
91) Benzo(g,h,i)perylene	16.97	276	32656	3.255	ng	# 90

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

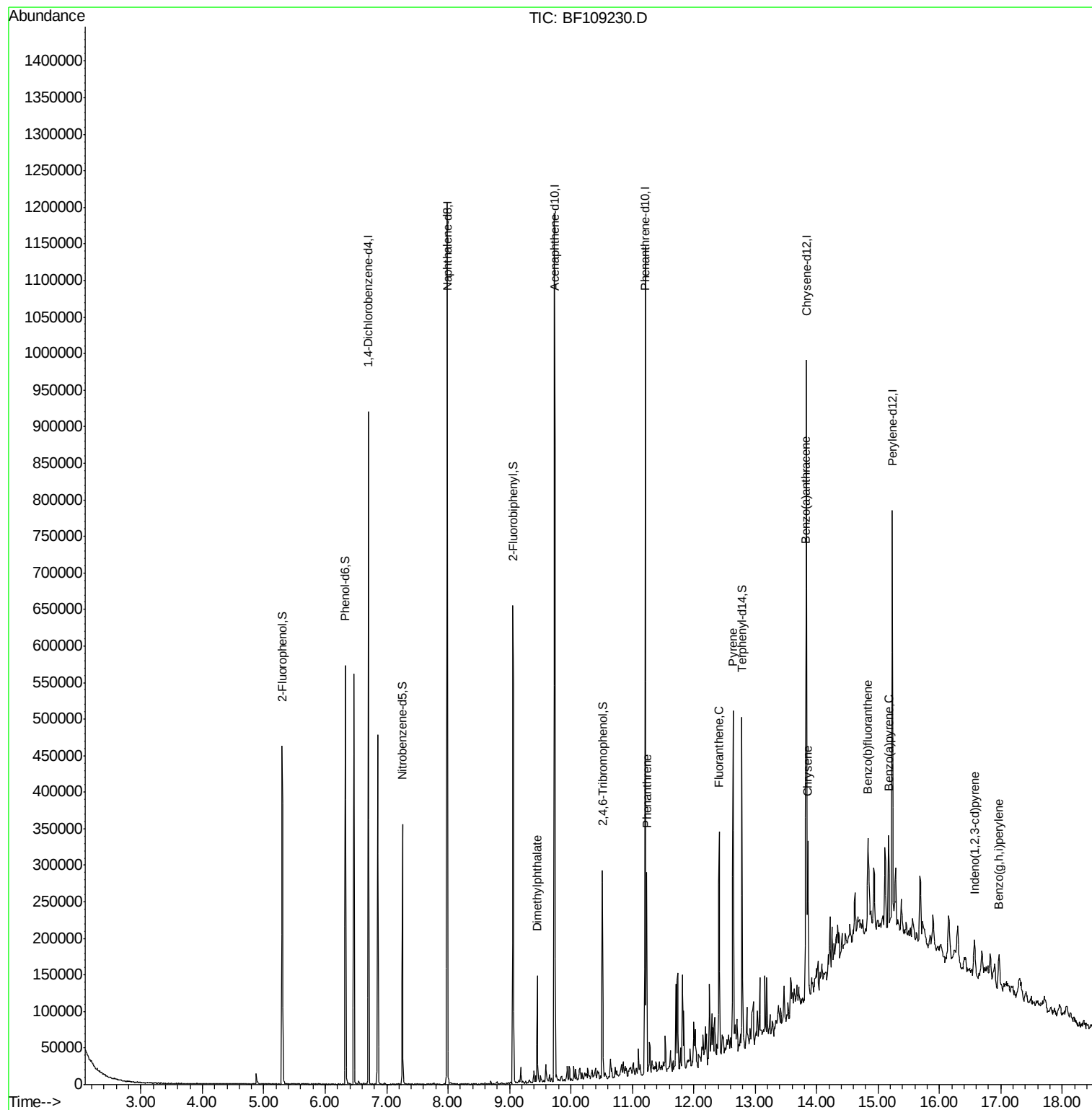
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109230.D
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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PL-02-0920-18-B

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#1

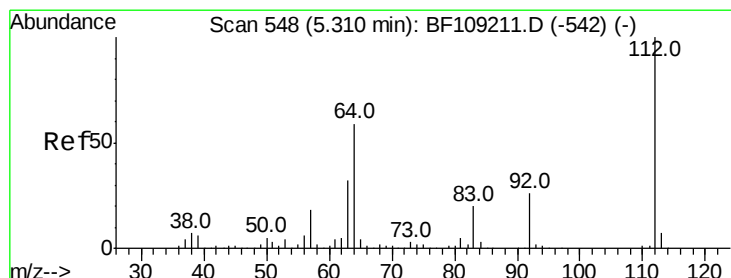
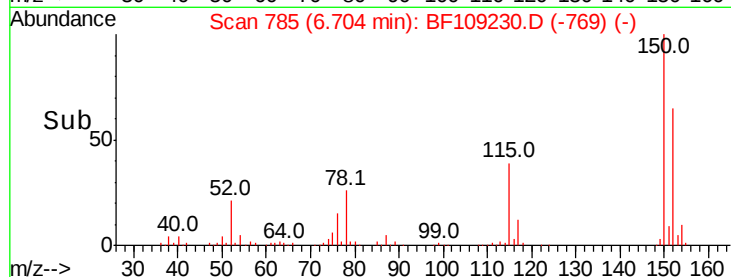
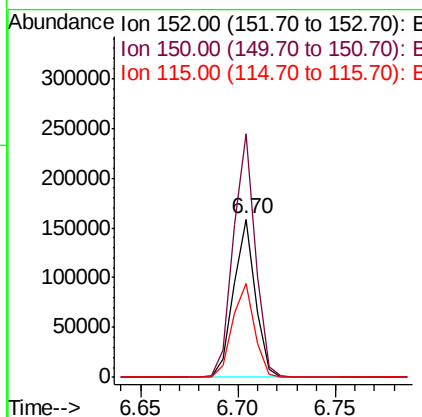
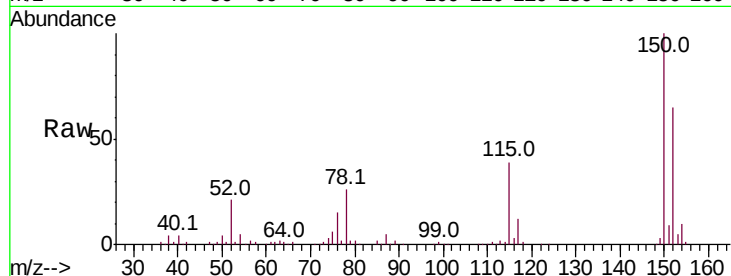
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	59.4	50.1	75.1

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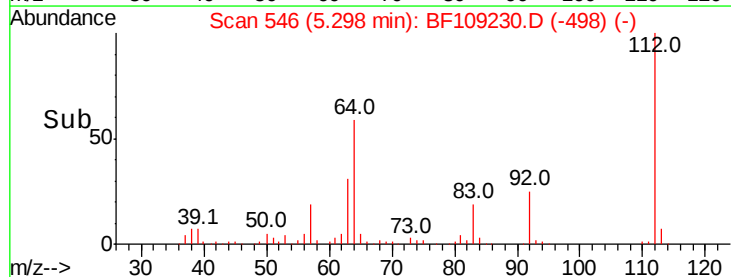
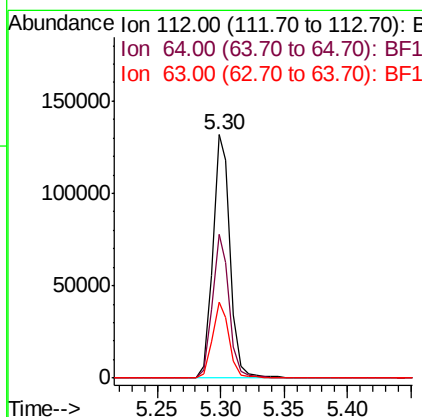
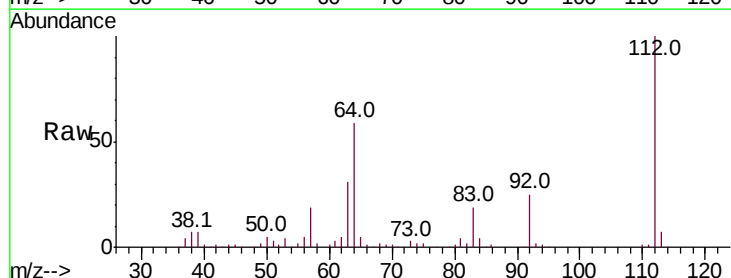
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#5

2-Fluorophenol
Concen: 17.126 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 17.436 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

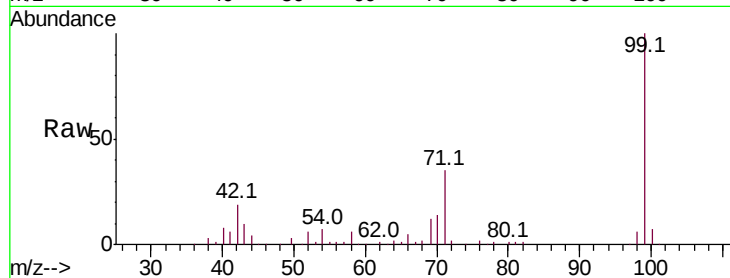
ClientSampleId :

PL-02-0920-18-B

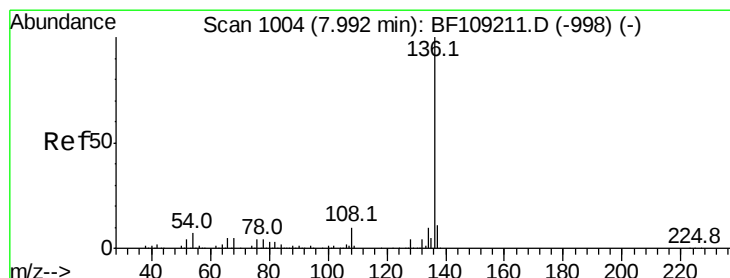
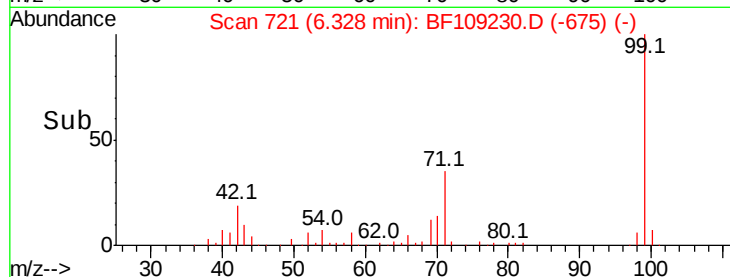
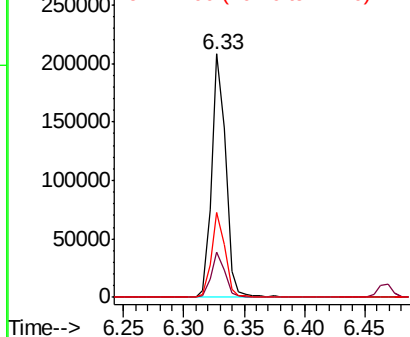
Tot Ion:	99	Resp:	166040
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	34.8	25.4	38.0

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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

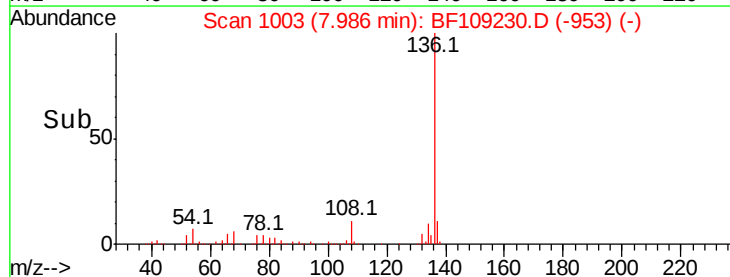
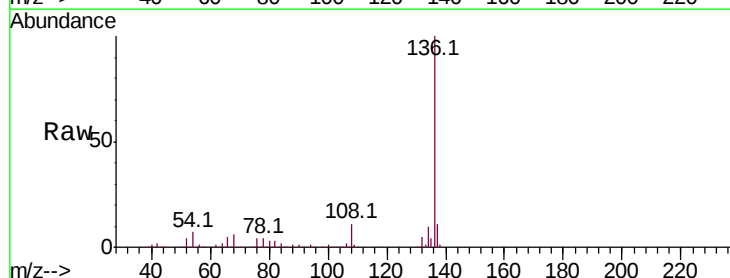
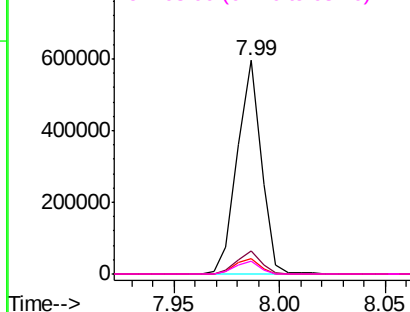
Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Tgt Ion:	136	Resp:	466204
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.3	6.6	9.8
68	6.0	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





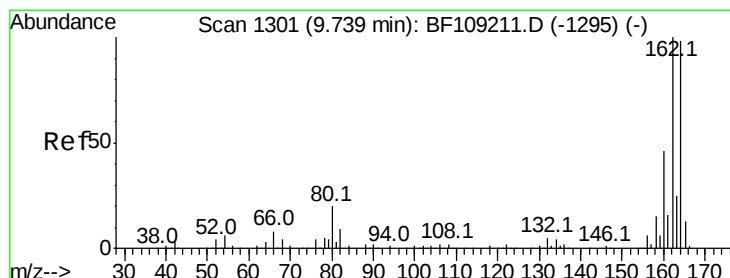
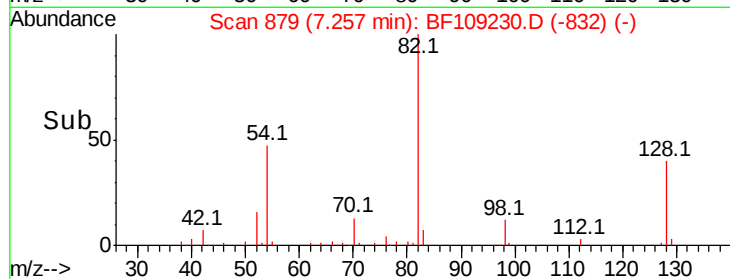
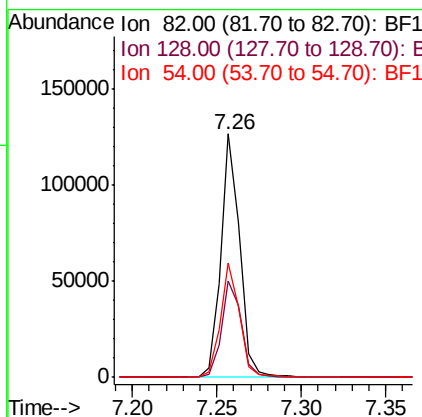
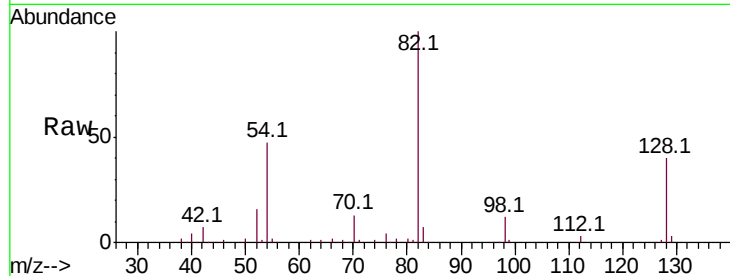
#23
 Nitrobenzene-d5
 Concen: 12.534 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	36.1	54.1
54	47.2	41.4	62.2

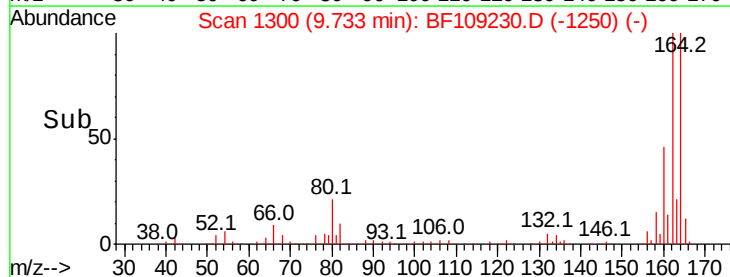
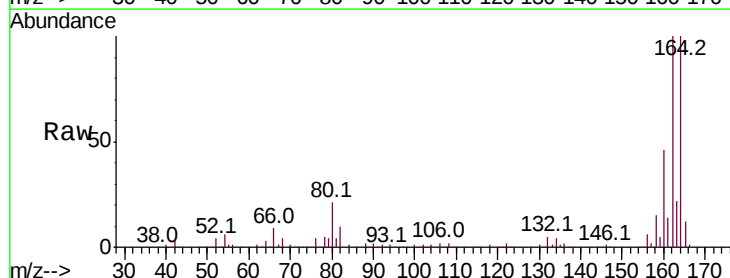
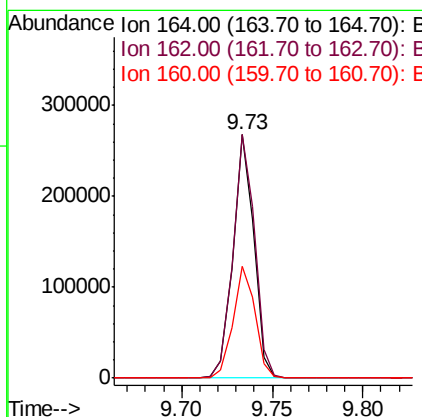
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	86.1	129.1
160	45.9	38.3	57.5





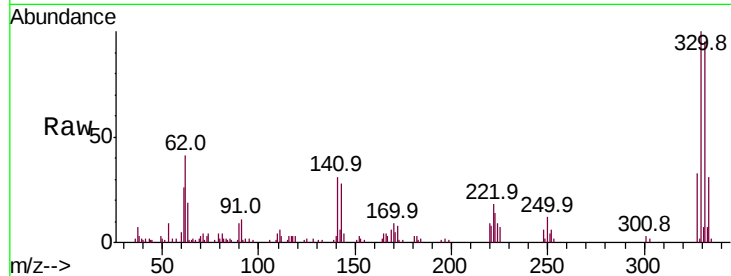
#41
 2,4,6-Tribromophenol
 Concen: 15.377 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	38.5	29.9	44.9

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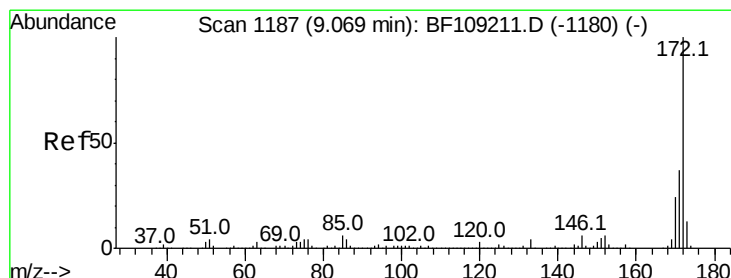
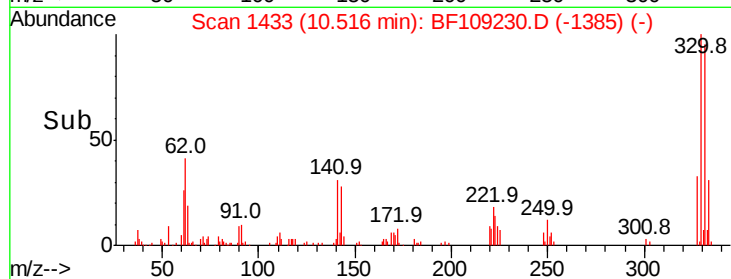
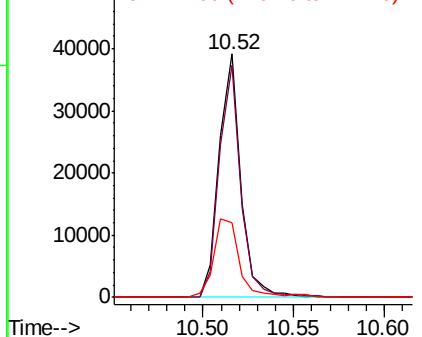


Abundance

Ion 329.80 (329.50 to 330.50): E

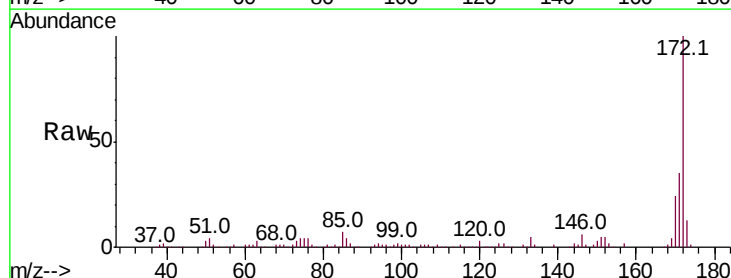
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 13.444 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.0	19.6	29.4

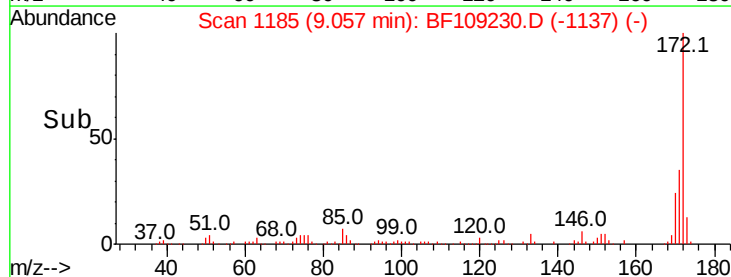
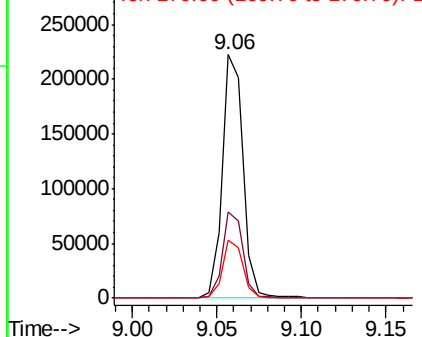


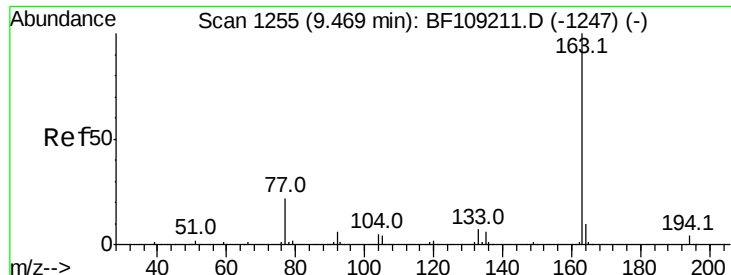
Abundance

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





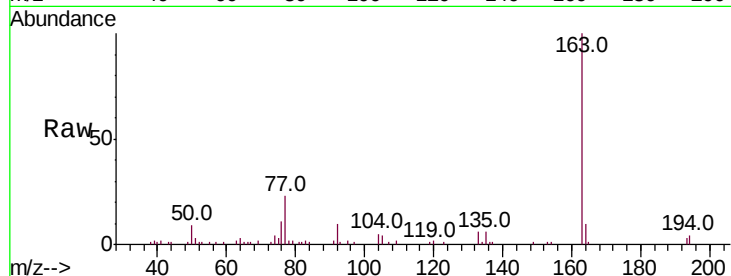
#49
 Dimethylphthalate
 Concen: 3.064 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.03 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

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

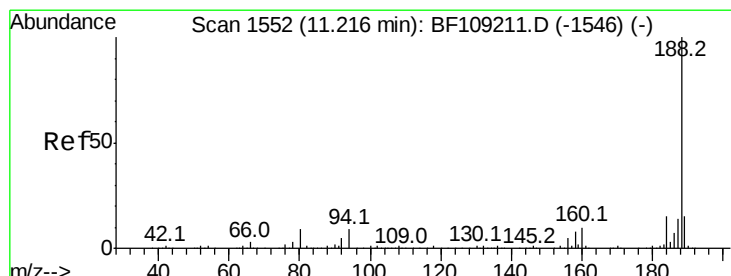
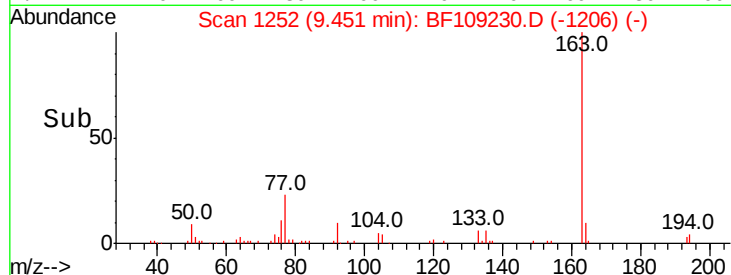
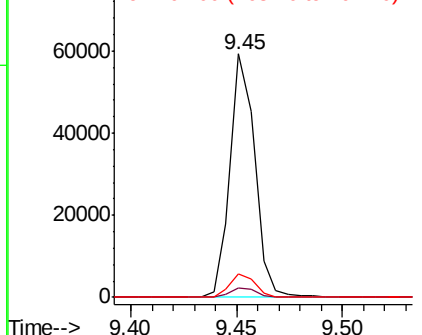
Tot Ion:	163	Resp:	47950
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.8	8.2	12.2

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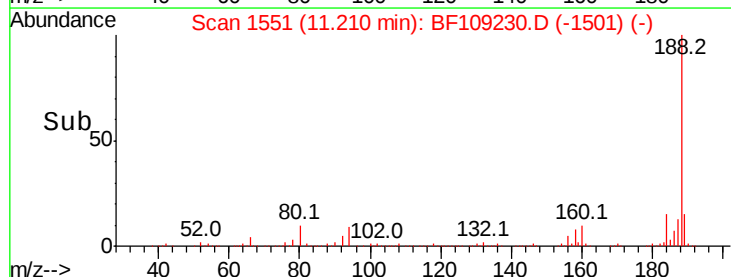
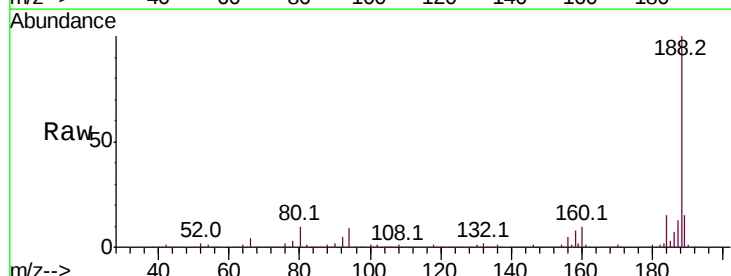
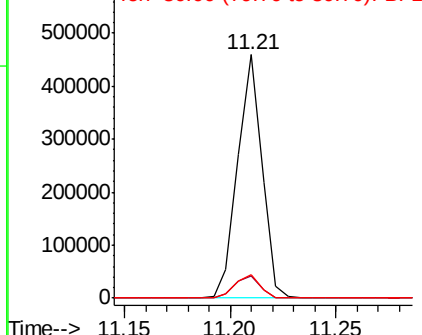
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

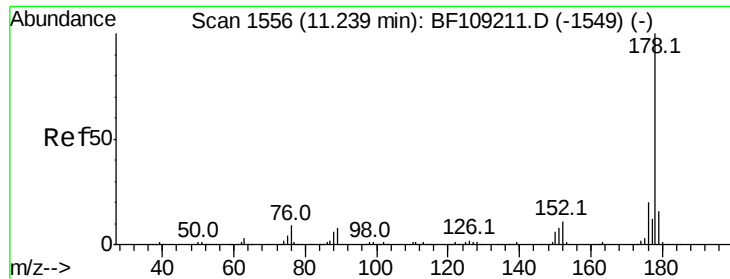


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion:	188	Resp:	364926
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.9	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





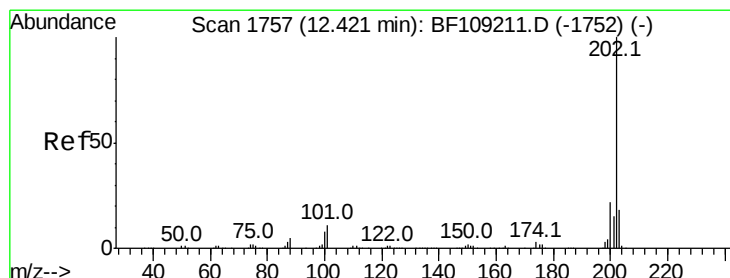
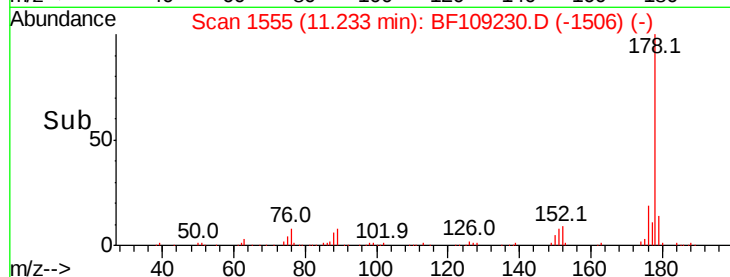
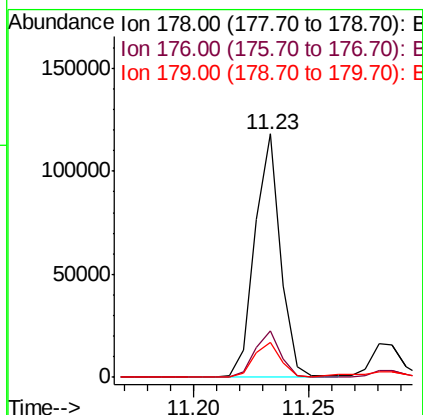
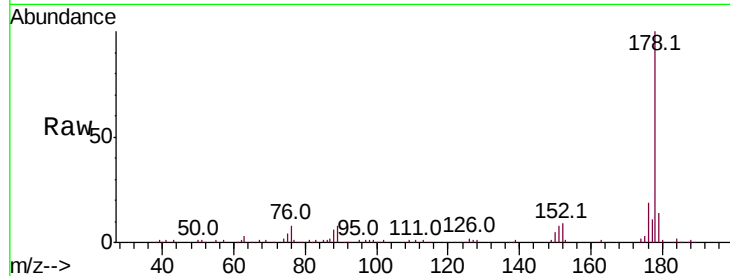
#70
Phenanthrene
Concen: 5.041 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.5	13.0	19.6

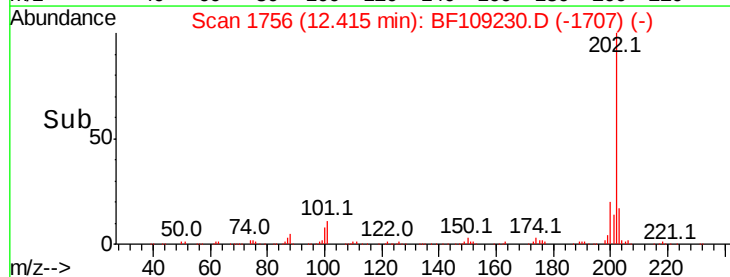
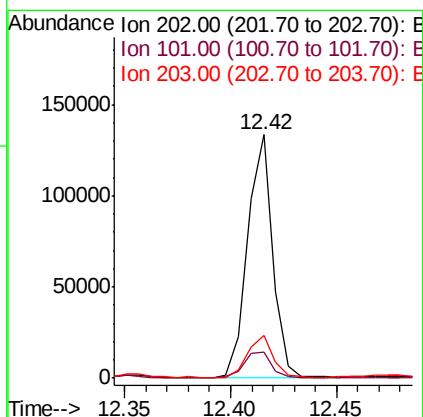
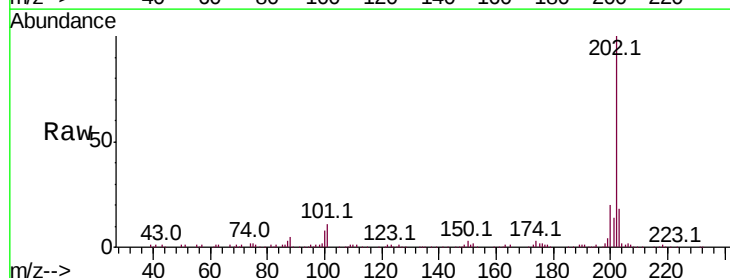
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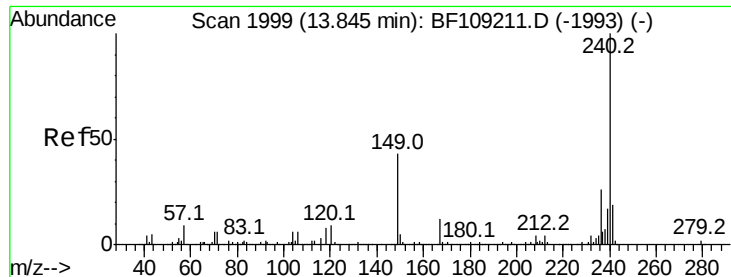
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#74
Fluoranthene
Concen: 5.607 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

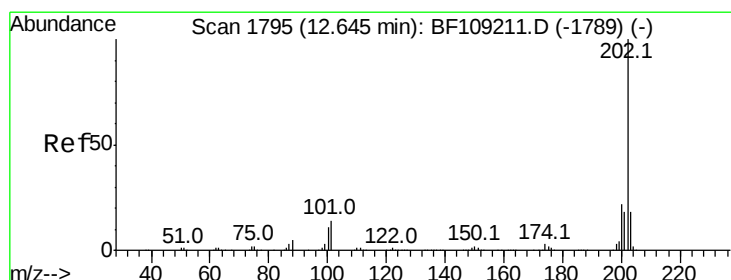
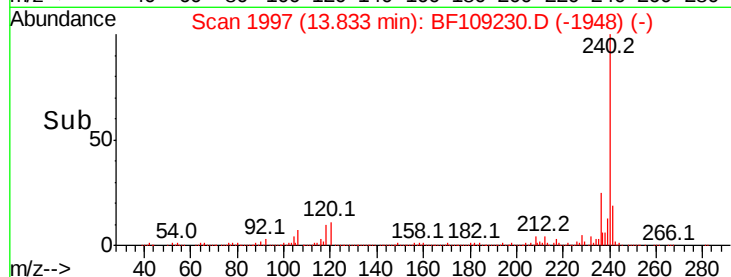
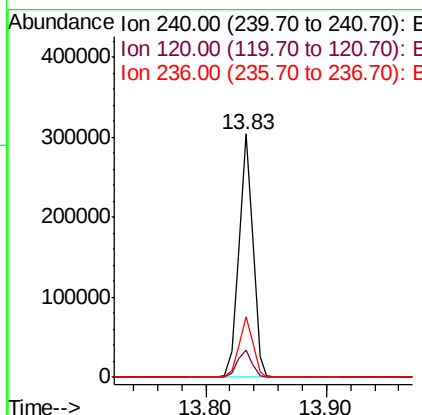
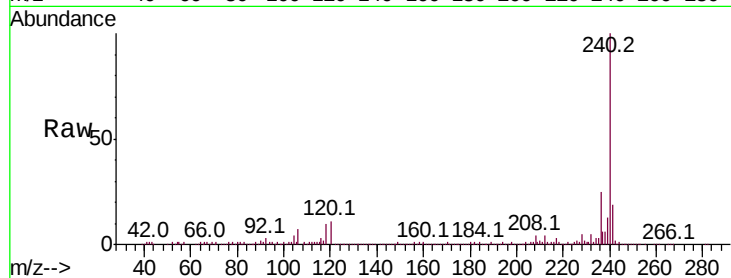
ClientSampleId :

PL-02-0920-18-B

Tot Ion:	240	Resp:	249445
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	24.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 9.696 ng

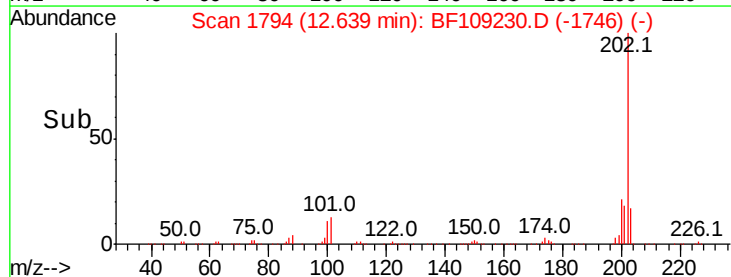
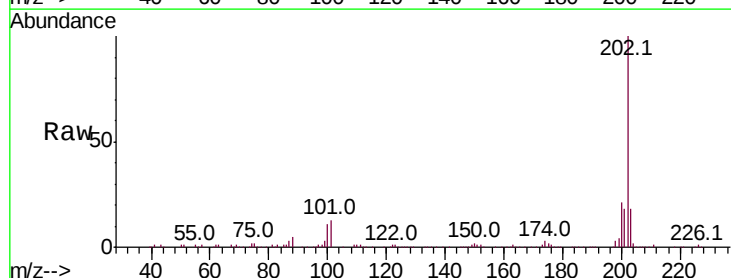
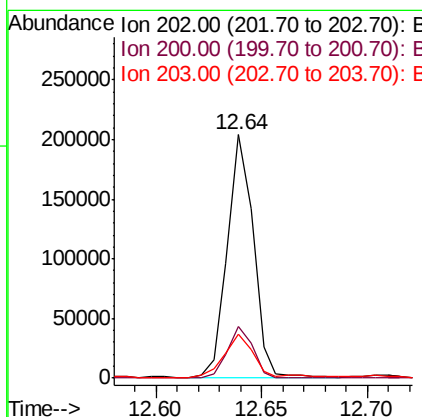
RT: 12.64 min Scan# 1794

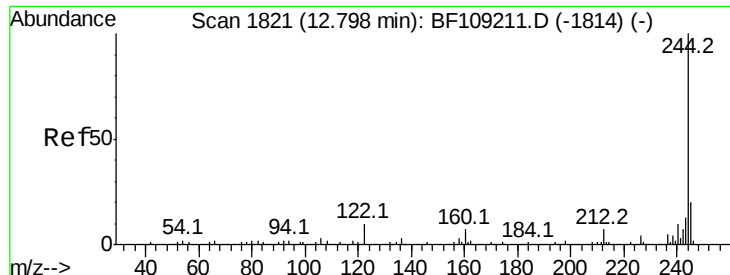
Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Tgt Ion:	202	Resp:	173347
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.1	14.3	21.5





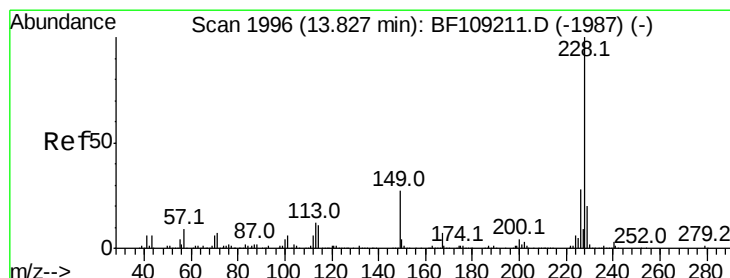
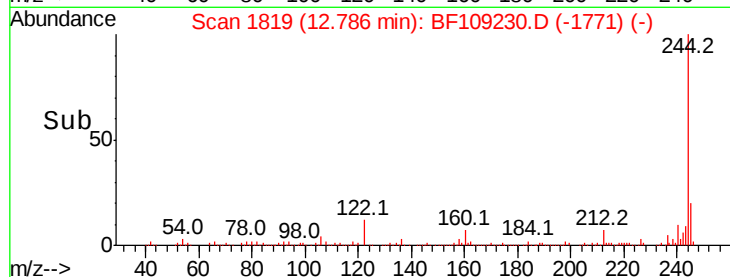
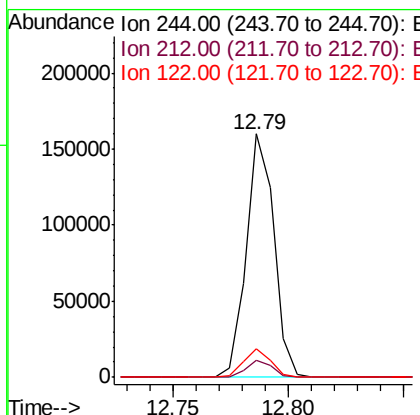
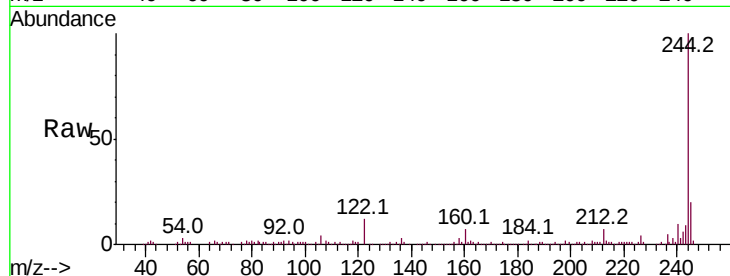
#78
 Terphenyl-d14
 Concen: 13.201 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.5	11.0	16.4

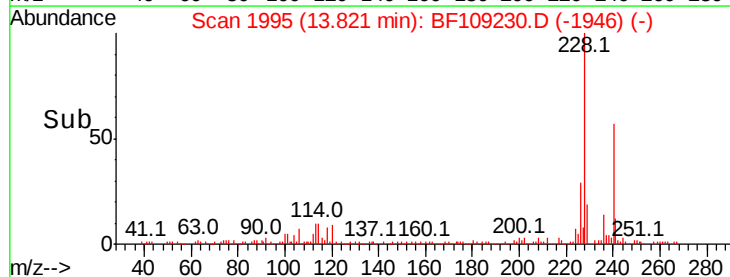
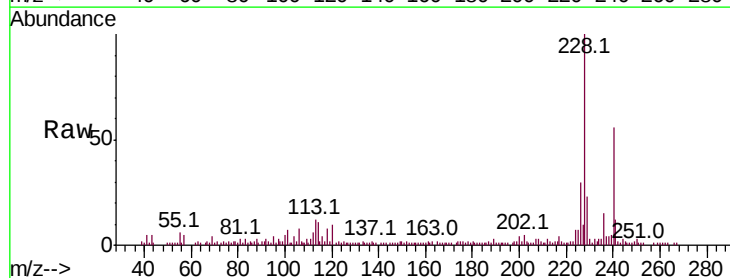
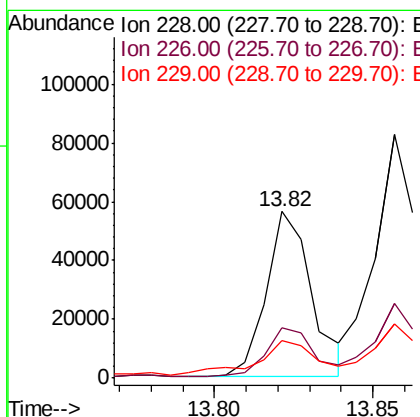
Manual Integrations
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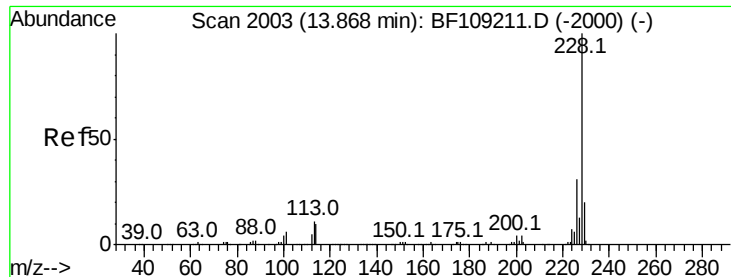
Sohil
 9/24/2018 11:38:52 AM



#80
 Benzo(a)anthracene
 Concen: 3.738 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	22.5	15.8	23.6





#82

Chrysene

Concen: 5.012 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

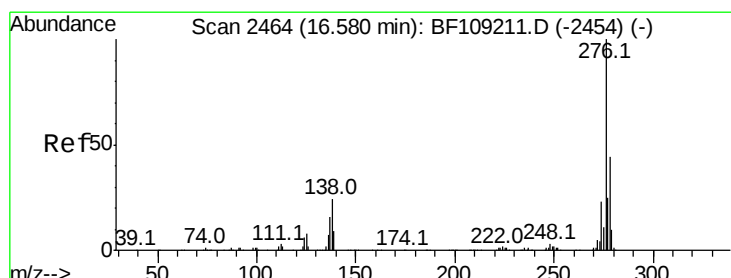
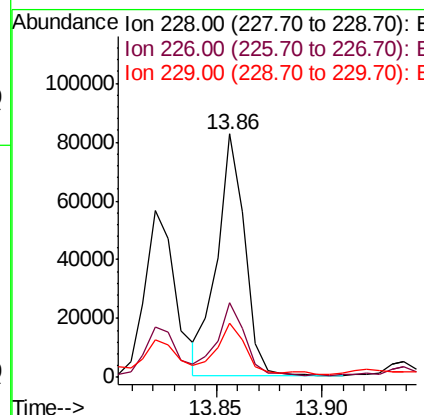
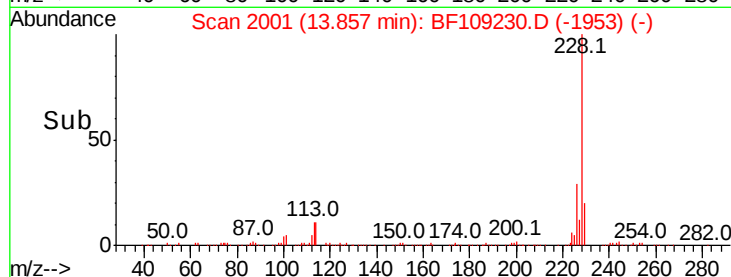
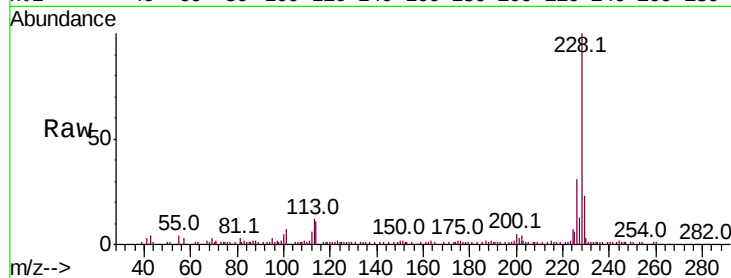
ClientSampleId :

PL-02-0920-18-B

Tot Ion:	228	Resp:	74644
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.282 ng

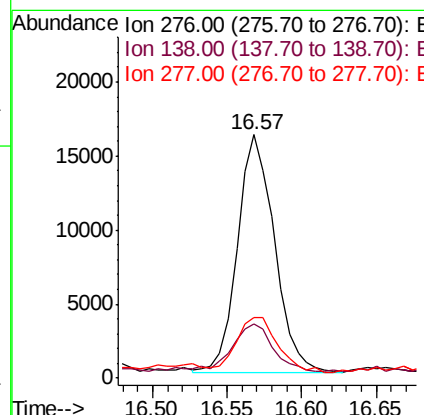
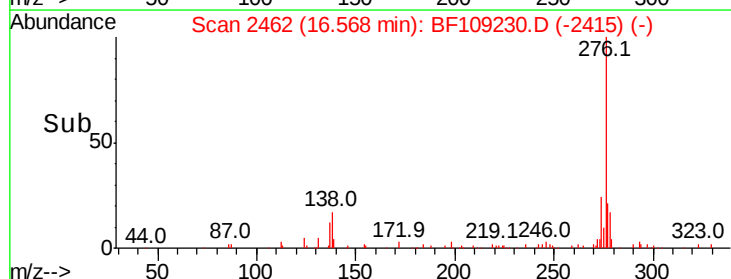
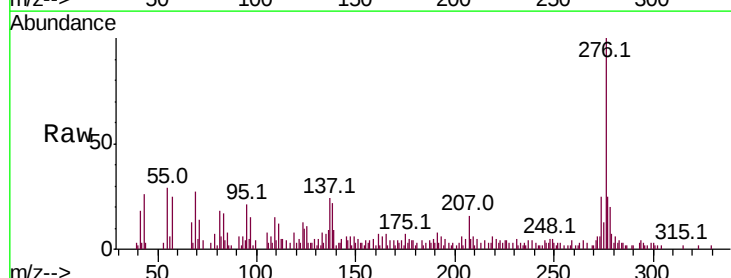
RT: 16.57 min Scan# 2462

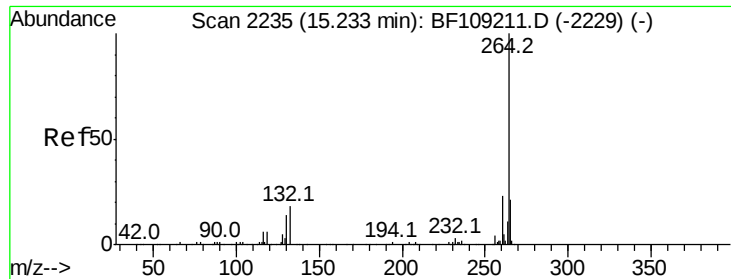
Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Tgt Ion:	276	Resp:	27545
Ion Ratio	Lower	Upper	
276	100		
138	23.0	25.0	37.6#
277	26.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

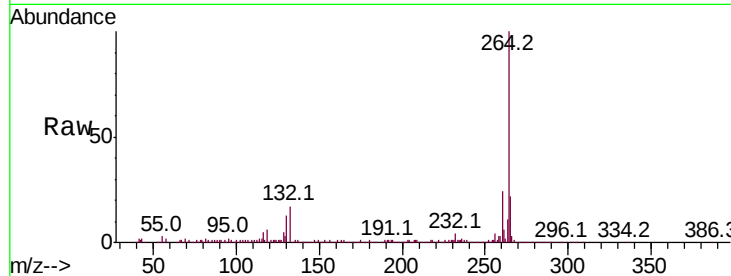
ClientSampleId :

PL-02-0920-18-B

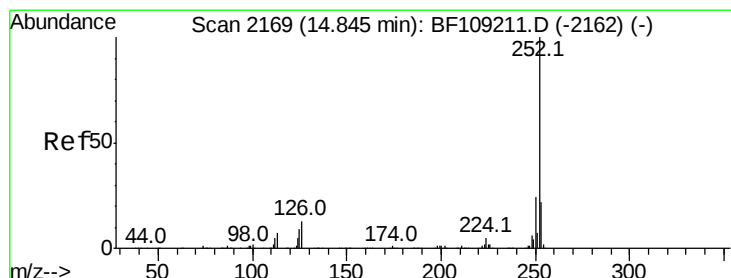
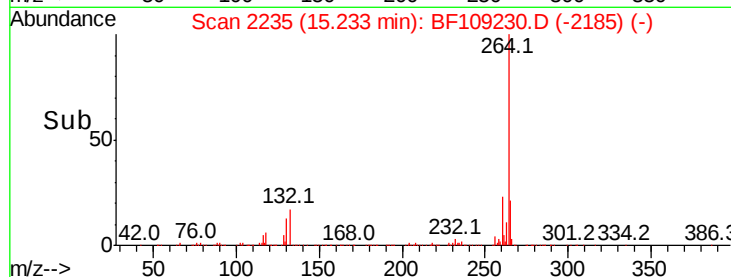
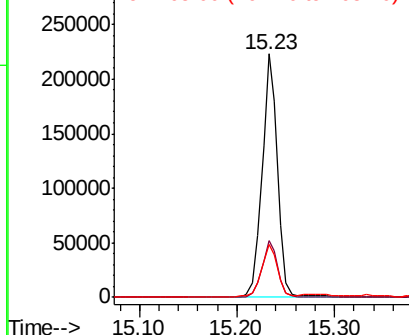
Tot Ion:	264	Resp:	251293
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 5.012 ng m

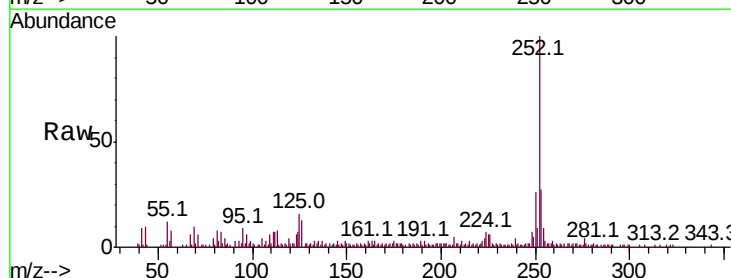
RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

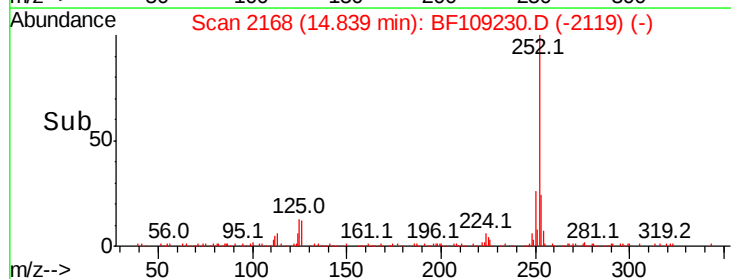
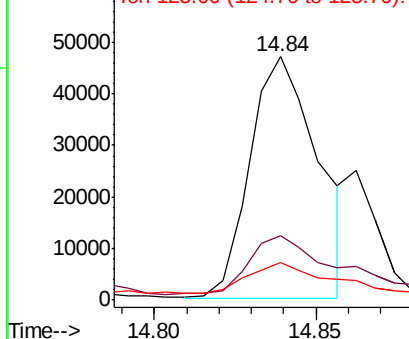
Lab File: BF109230.D

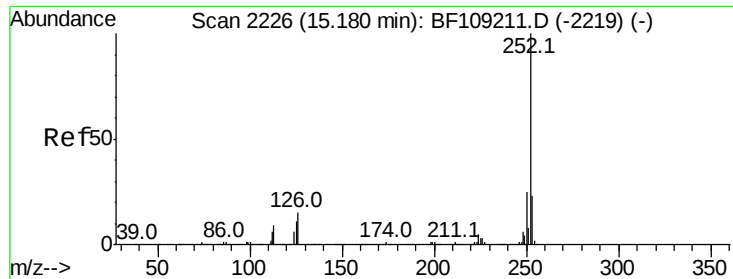
Acq: 22 Sep 2018 19:14

Tgt Ion:	252	Resp:	69210
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.0	25.6#
125	15.7	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





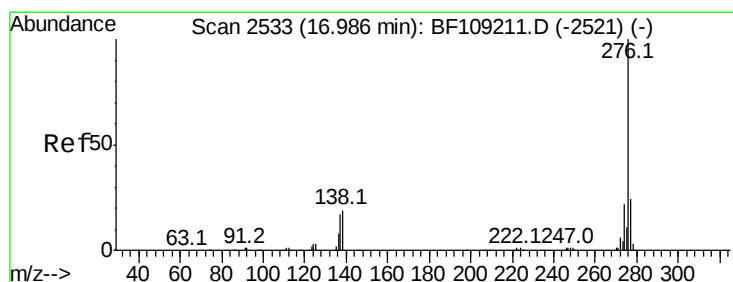
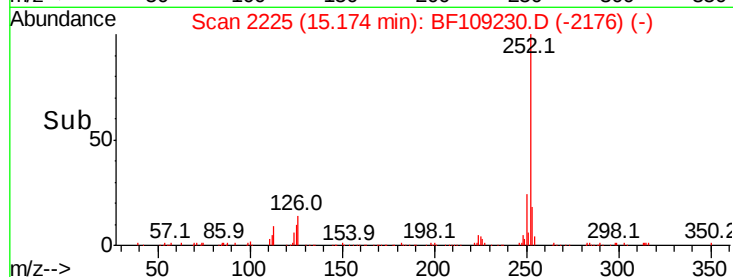
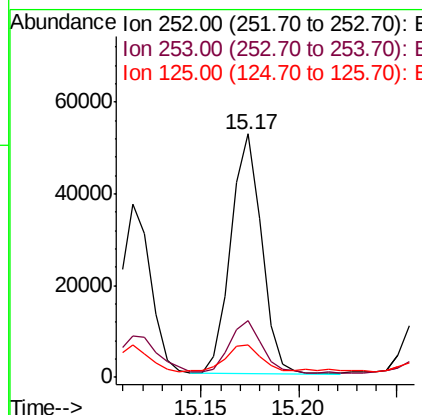
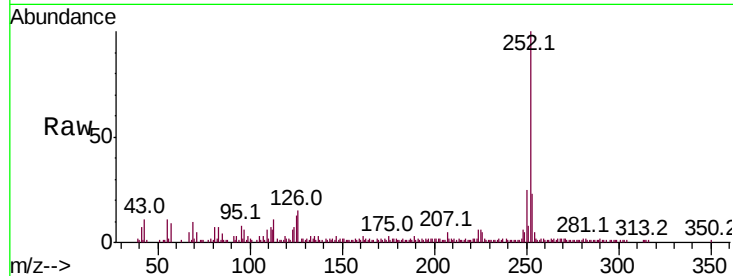
#89
Benzo(a)pyrene
Concen: 4.626 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

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

Tot Ion:	252	Resp:	57561
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	13.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.255 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion:	276	Resp:	32656
Ion Ratio	Lower	Upper	
276	100		
277	26.1	17.9	26.9
138	21.6	21.8	32.8#

