

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109292.D
 Acq On : 25 Sep 2018 18:10
 Operator : JU/SJ
 Sample : J4779-07 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-092418-B

Manual Integrations
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Sohil
 9/26/2018 3:42:00 PM

Quant Time: Sep 26 03:34:13 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	6.71	152	112422	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	439736	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	187565	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	311439	20.00	ng	0.00
75) Chrysene-d12	13.84	240	257498	20.00	ng	0.00
86) Perylene-d12	15.25	264	196489	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	97345	14.26	ng	0.00
7) Phenol-d6	6.34	99	128502	14.75	ng	-0.02
23) Nitrobenzene-d5	7.26	82	72880	9.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	23236	12.57	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	146352	11.77	ng	-0.01
78) Terphenyl-d14	12.80	244	119044	11.35	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	39616	2.904	ng	Qvalue # 99
70) Phenanthrene	11.24	178	190378	12.243	ng	98
71) Anthracene	11.29	178	54562	3.459	ng	100
74) Fluoranthene	12.43	202	317499	19.106	ng	96
77) Pyrene	12.66	202	296600	16.072	ng	99
80) Benzo(a)anthracene	13.84	228	147408	9.504	ng	99
82) Chrysene	13.87	228	124412	8.093	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	40258	3.231	ng	# 90
87) Benzo(b)fluoranthene	14.85	252	116932m	10.830	ng	
88) Benzo(k)fluoranthene	14.87	252	38548m	3.762	ng	
89) Benzo(a)pyrene	15.19	252	81281	8.355	ng	98
91) Benzo(a,h,i)perylene	17.00	276	36789	4.690	ng	# 89

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

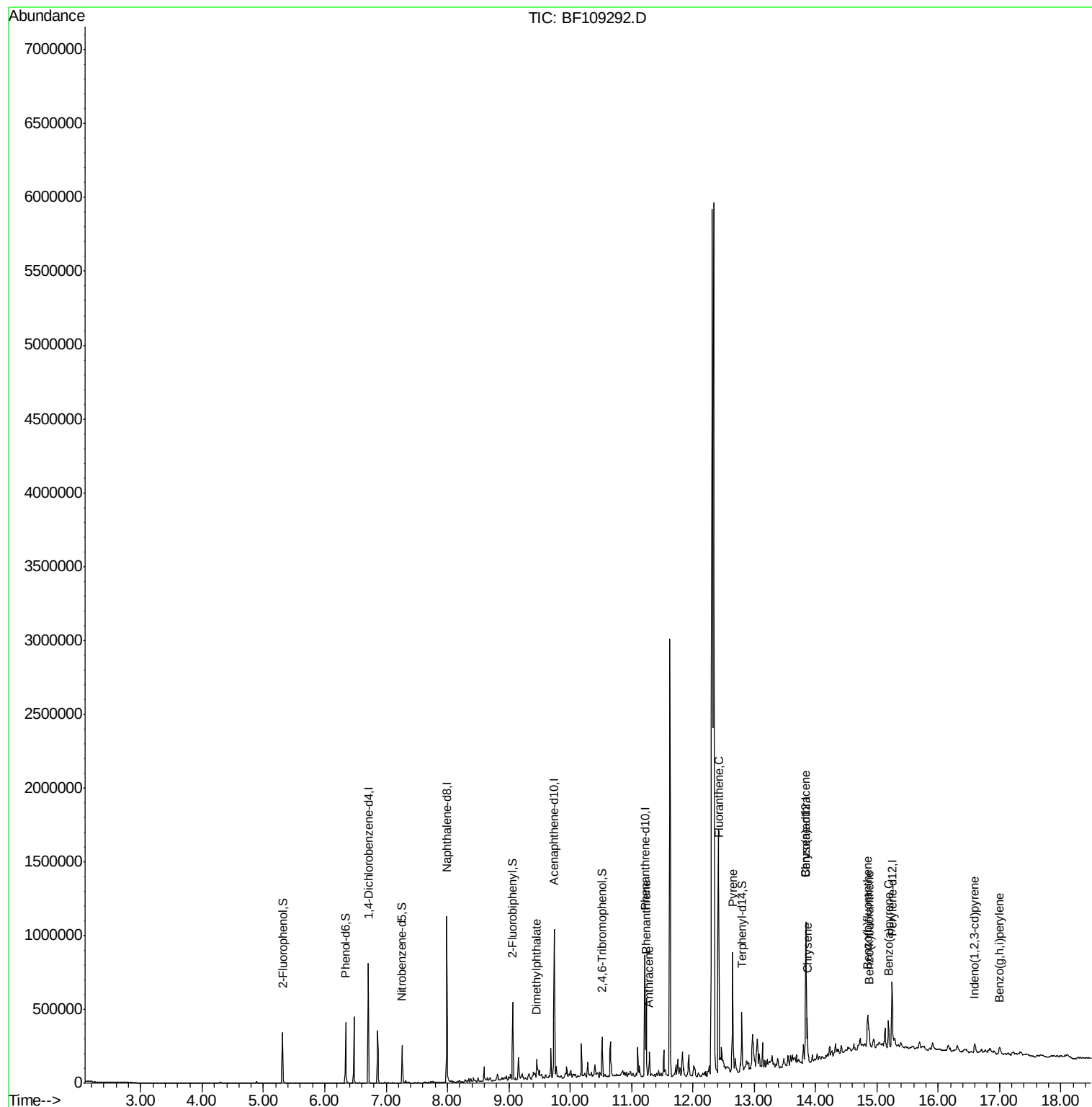
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
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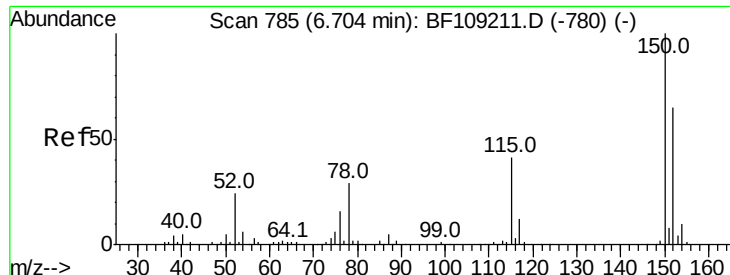
Instrument :
BNA_F
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SU-02-092418-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

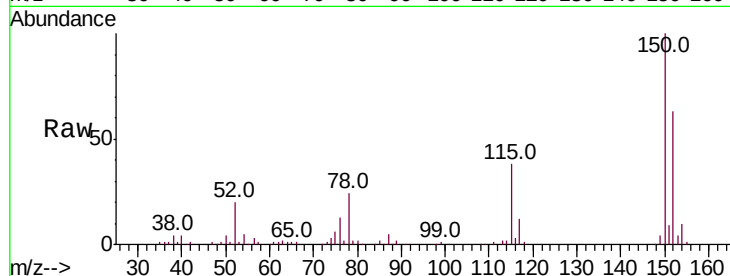
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	59.6	50.1	75.1

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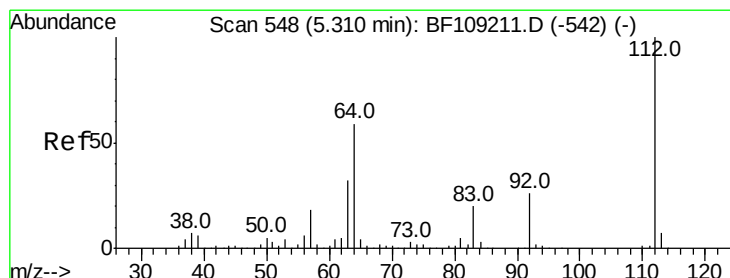
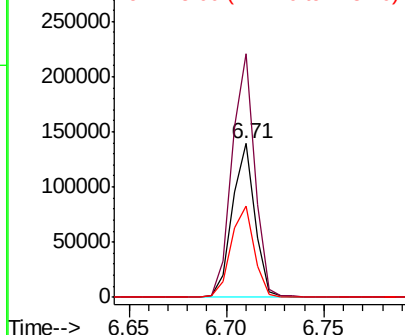
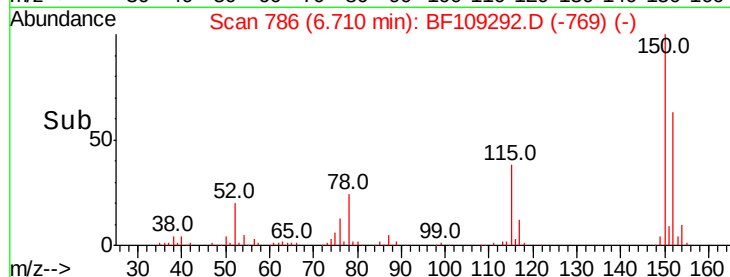


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

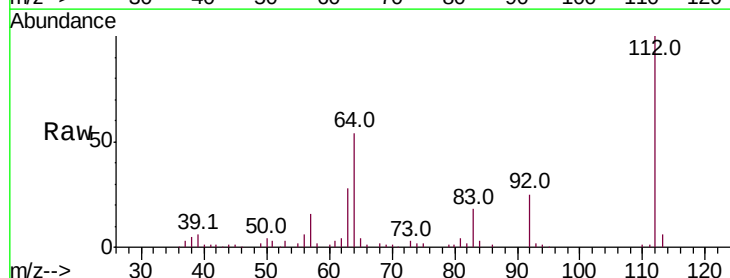
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.262 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.6	23.7	35.5

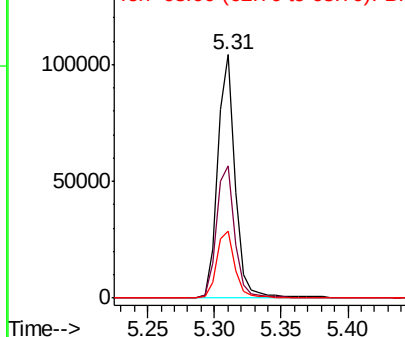
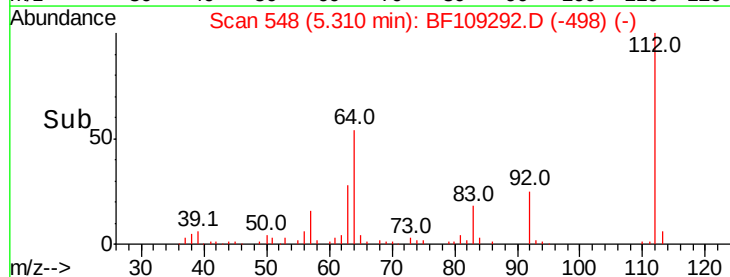


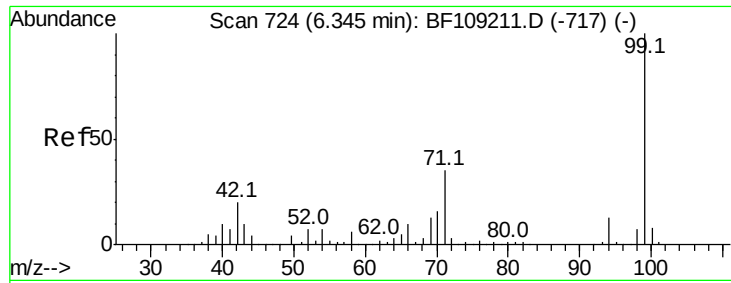
Abundance

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: 14.754 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

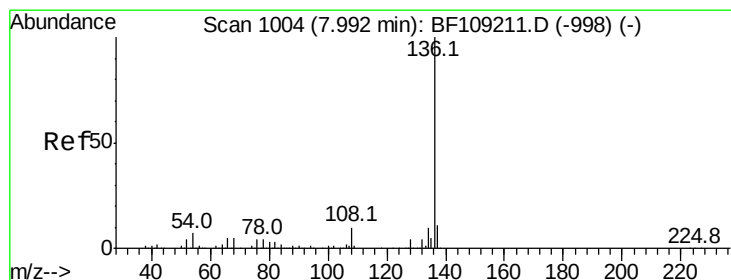
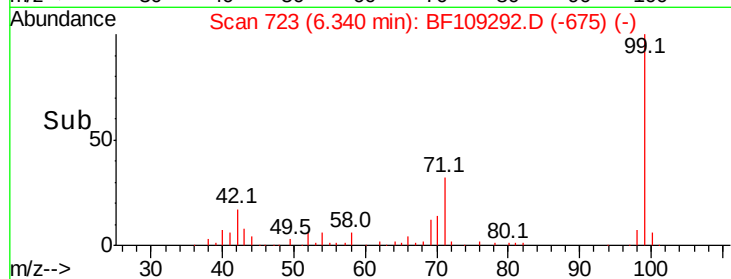
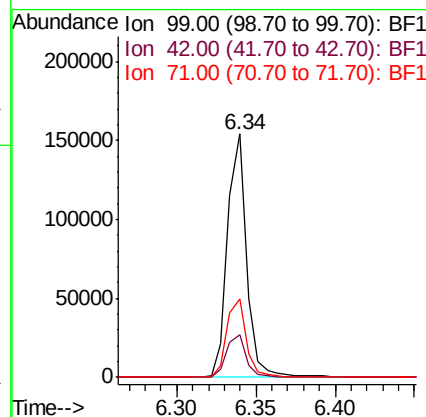
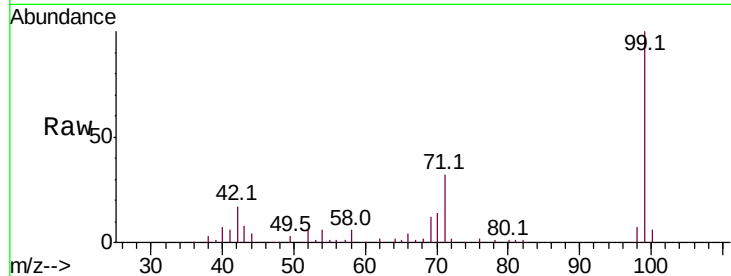
ClientSampleId :

SU-02-092418-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		128502		
42	17.3	14.5	21.7		
71	32.1	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

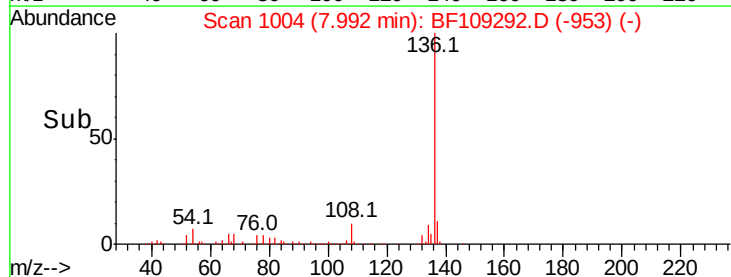
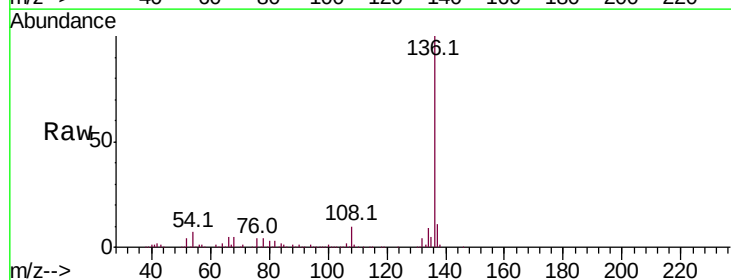
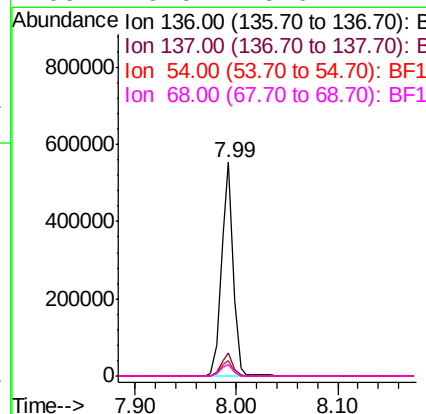
RT: 7.99 min Scan# 1004

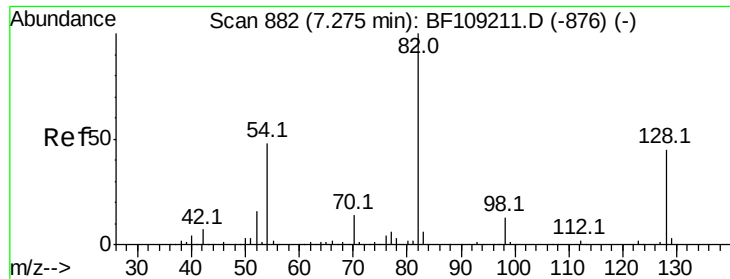
Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		439736		
137	10.9	8.9	13.3		
54	7.0	6.6	9.8		
68	5.5	5.0	7.4		





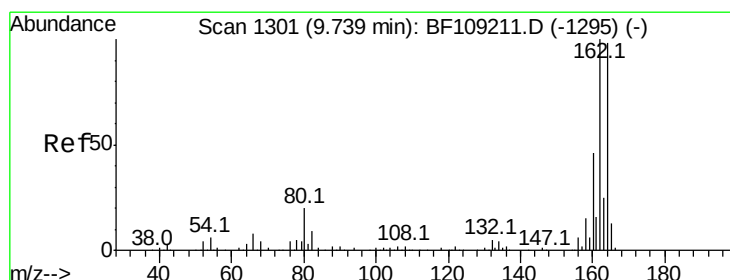
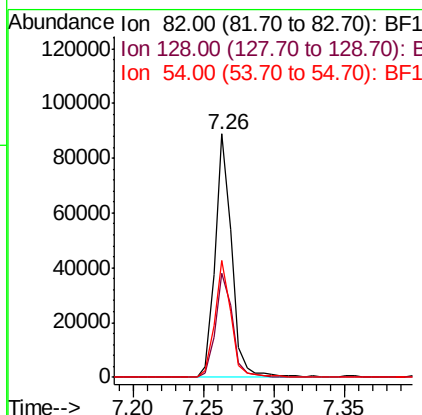
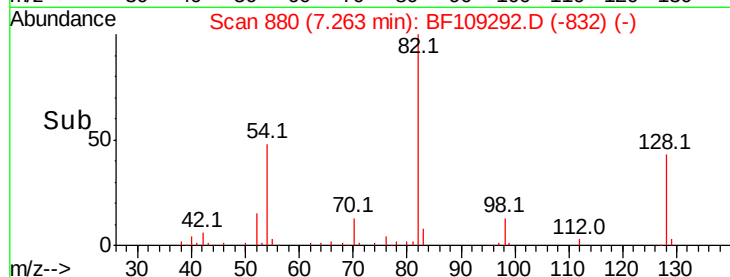
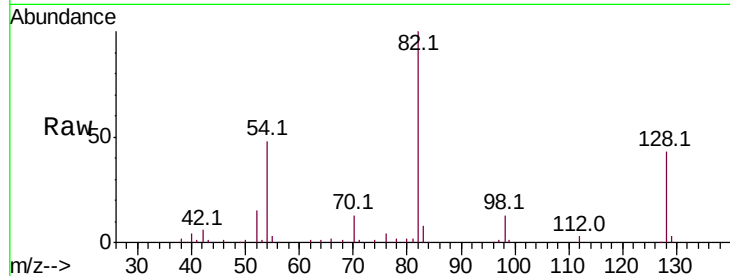
#23
 Nitrobenzene-d5
 Concen: 9.784 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-092418-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	48.0	41.4	62.2

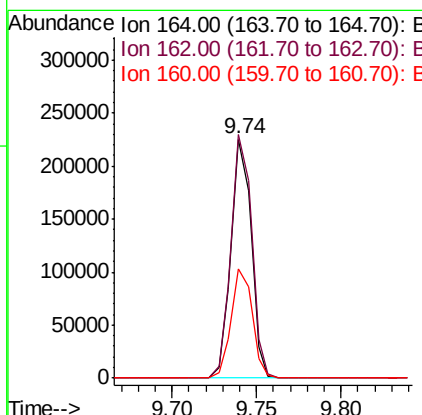
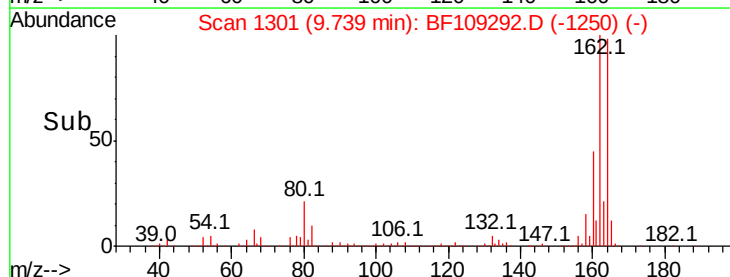
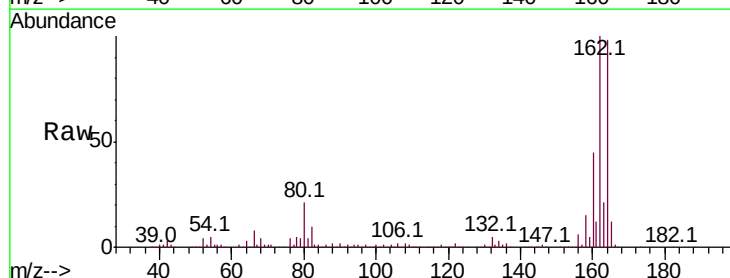
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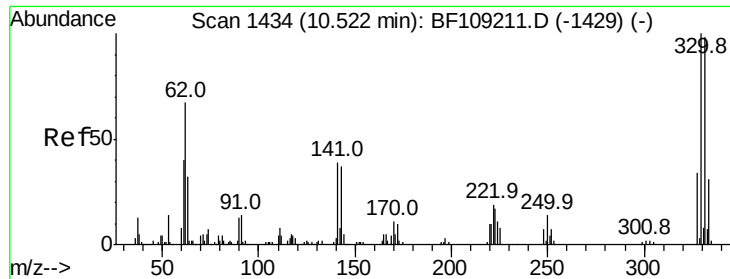
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	45.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 12.567 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampleId :

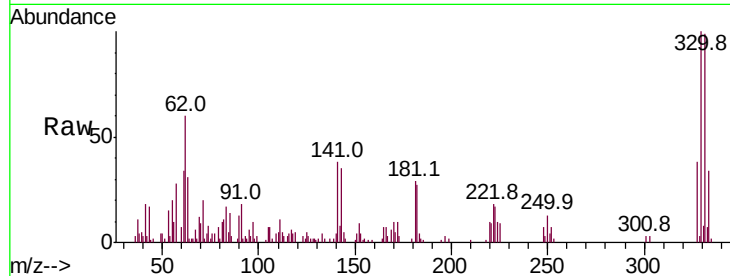
SU-02-092418-B

Tot Ion:	330	Resp:	23236
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.0	115.6
141	40.0	29.9	44.9

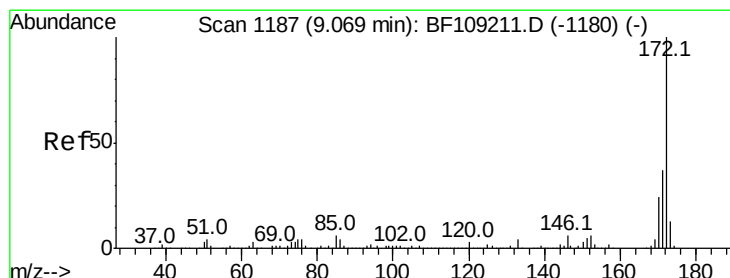
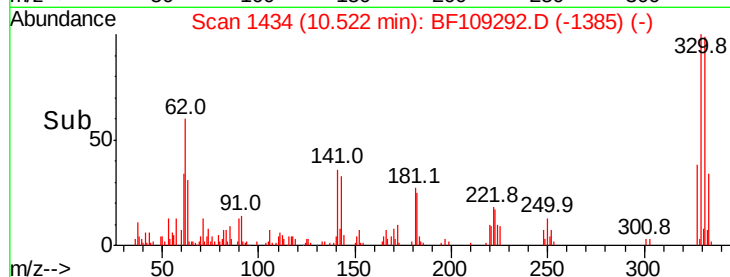
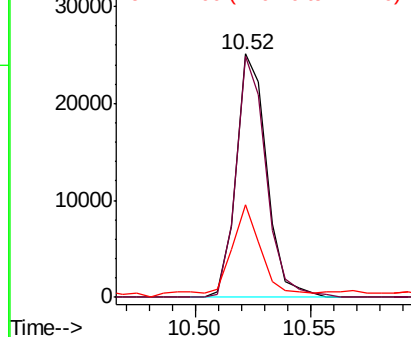
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 11.768 ng

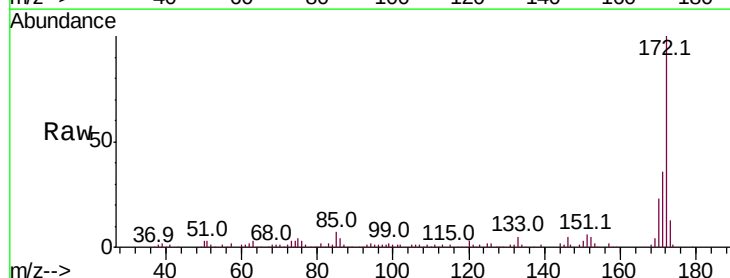
RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

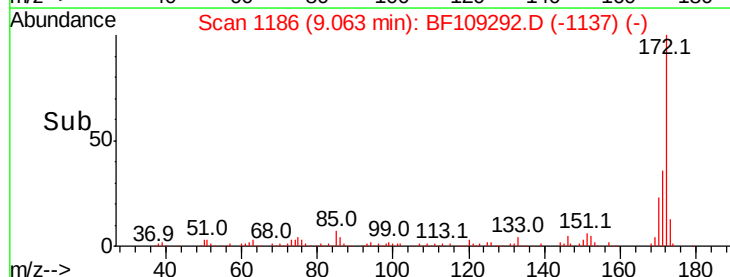
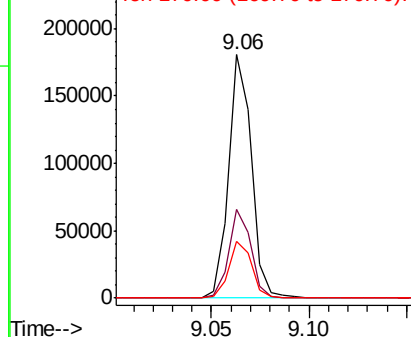
Lab File: BF109292.D

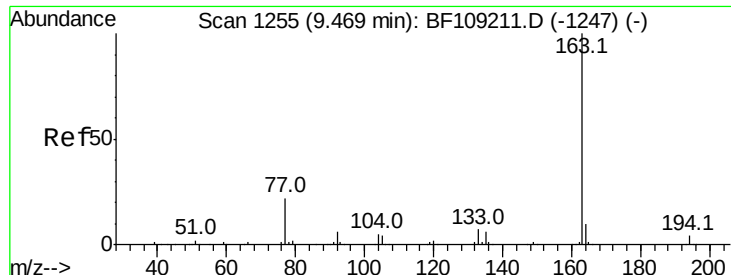
Acq: 25 Sep 2018 18:10

Tgt Ion:	172	Resp:	146352
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	23.5	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





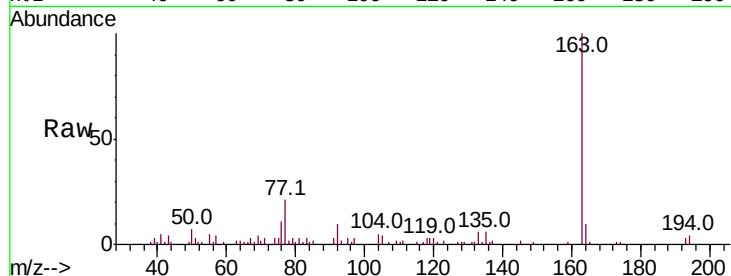
#49
 Dimethylphthalate
 Concen: 2.904 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Instrument :
 BNA_F
 ClientSampleID :
 SU-02-092418-B

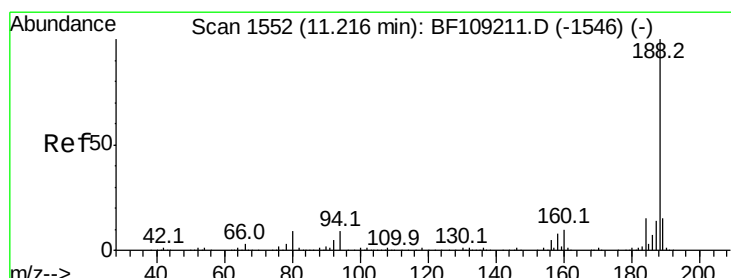
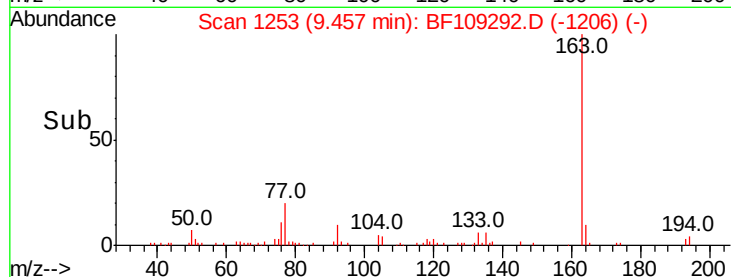
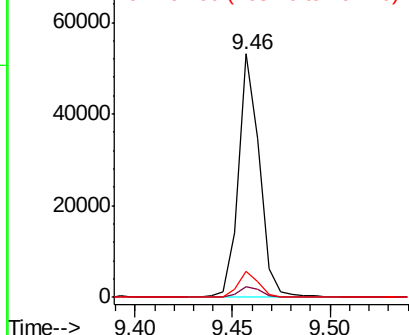
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.5	8.2	12.2

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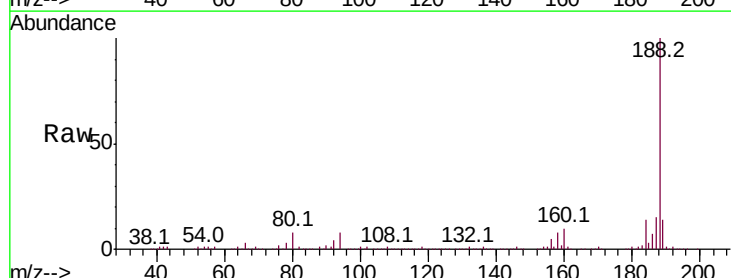


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

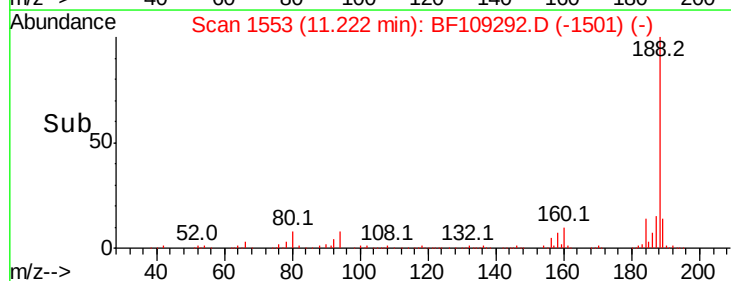
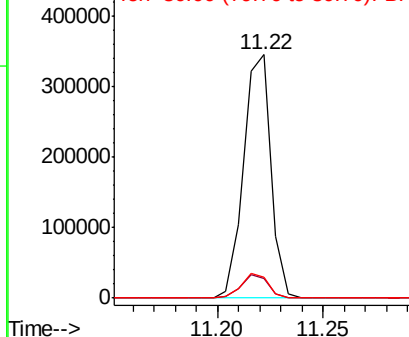


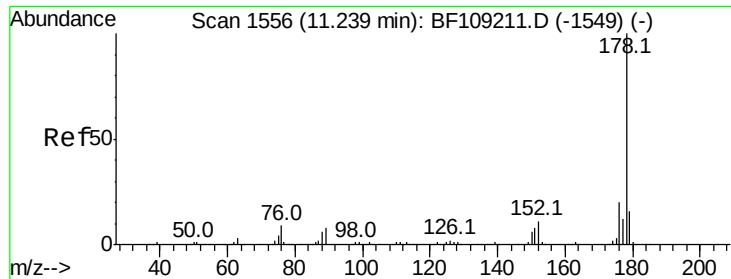
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. 0.01 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.4	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





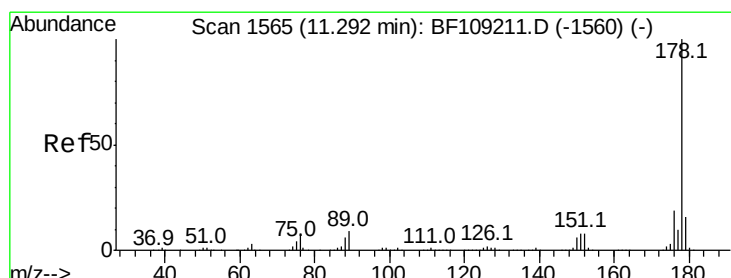
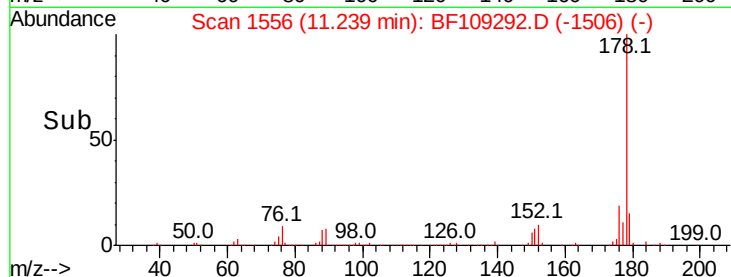
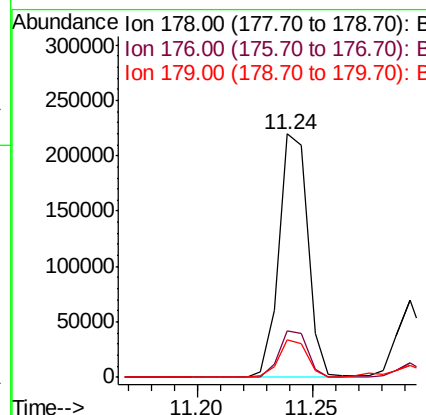
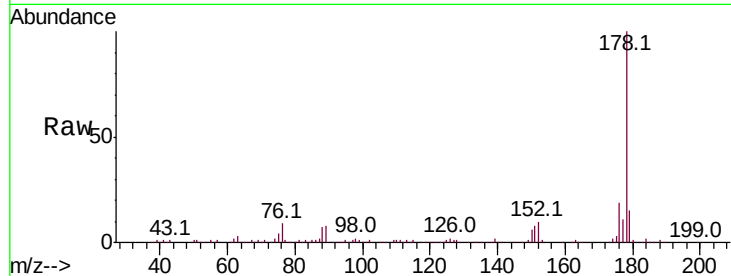
#70
Phenanthrene
Concen: 12.243 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.4	13.0	19.6

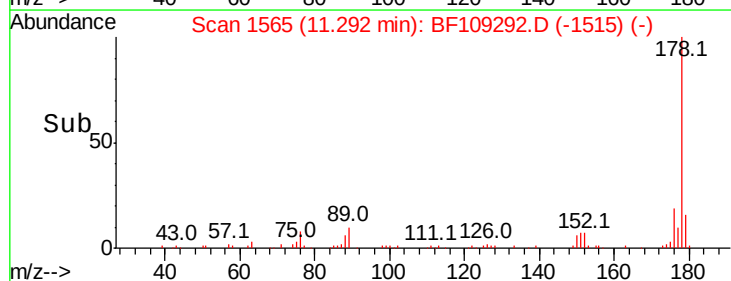
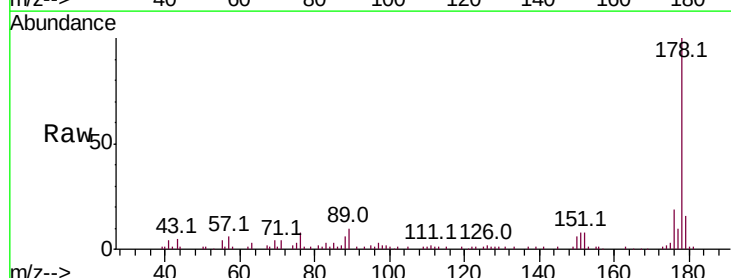
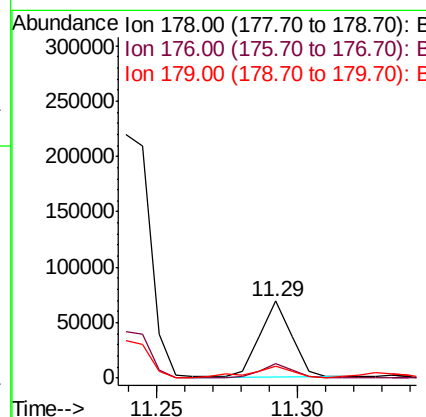
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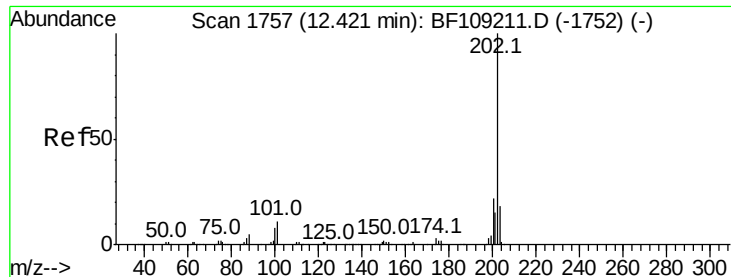
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#71
Anthracene
Concen: 3.459 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 19.106 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

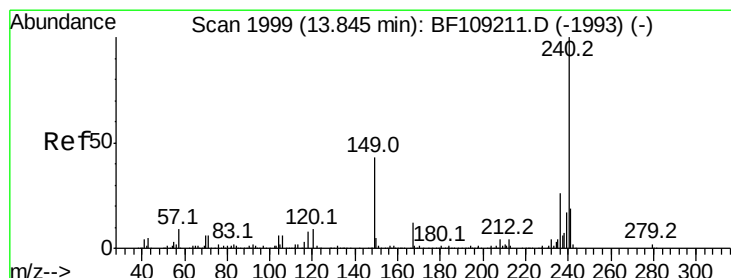
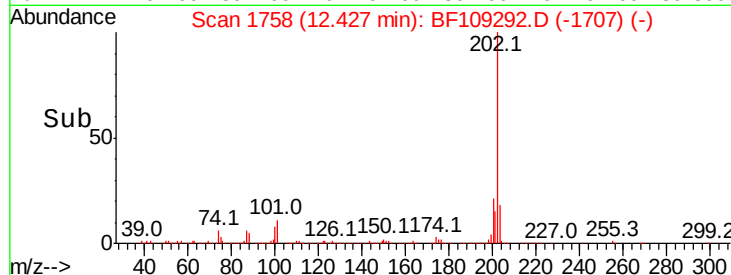
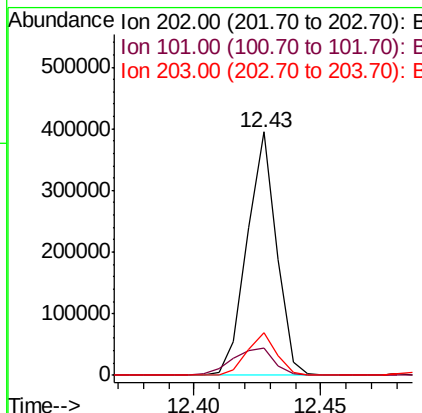
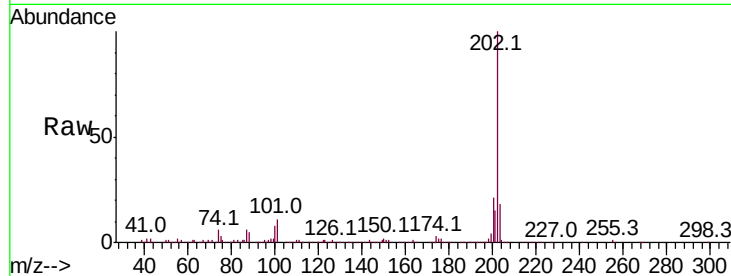
ClientSampled :

SU-02-092418-B

Tot Ion:	202	Resp:	317499
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

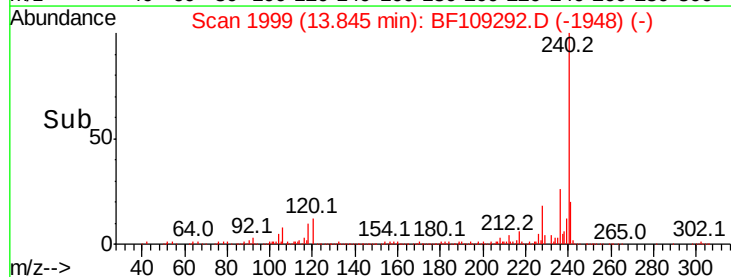
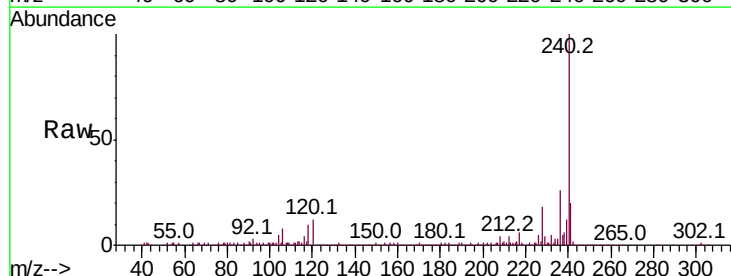
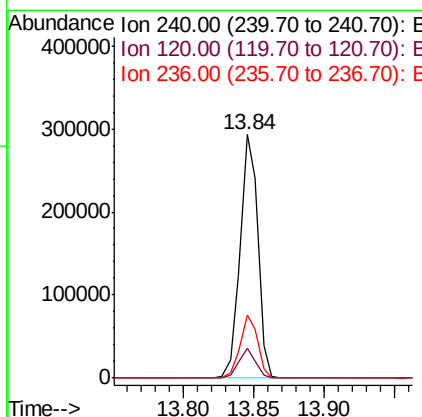
RT: 13.84 min Scan# 1999

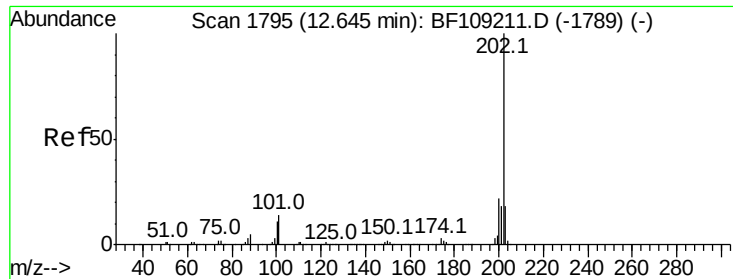
Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Tgt Ion:	240	Resp:	257498
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 16.072 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

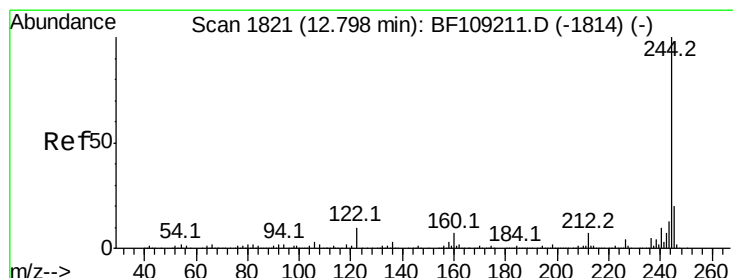
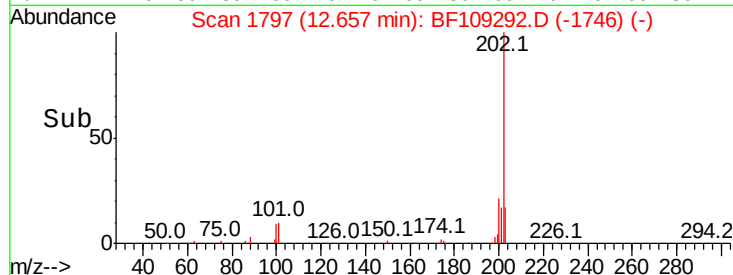
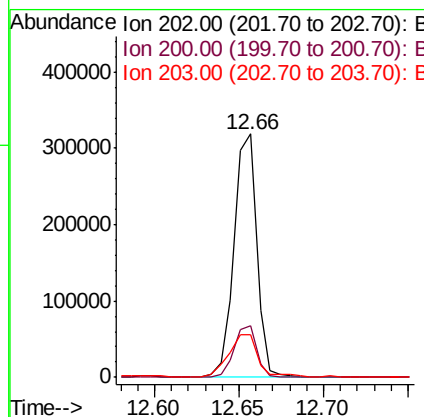
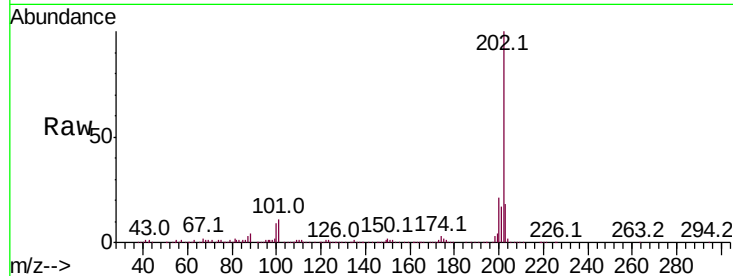
ClientSampleId :

SU-02-092418-B

Tot Ion:	202	Resp:	296600
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 11.346 ng

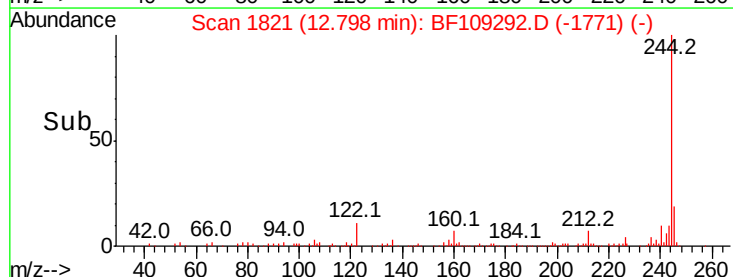
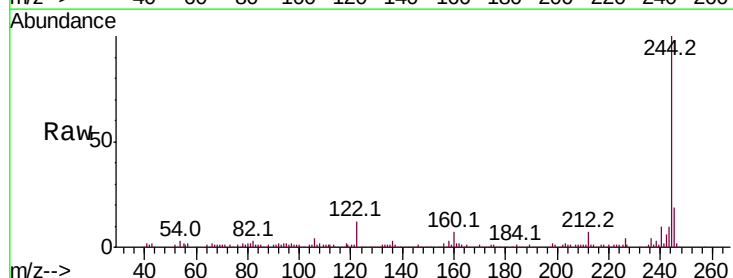
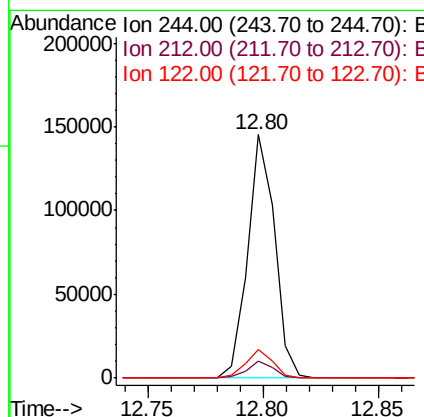
RT: 12.80 min Scan# 1821

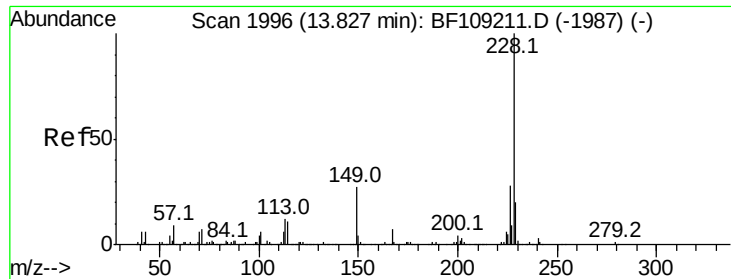
Delta R.T. -0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Tgt Ion:	244	Resp:	119044
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.8	11.0	16.4





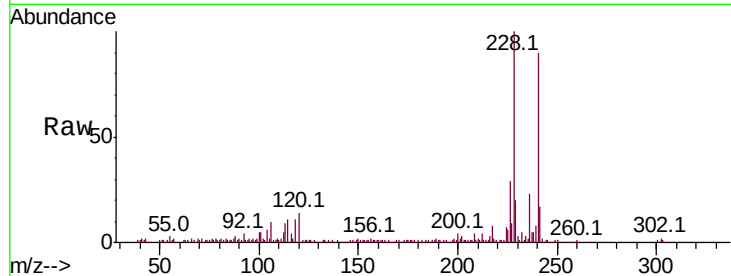
#80
Benzo(a)anthracene
Concen: 9.504 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.0	15.8	23.6

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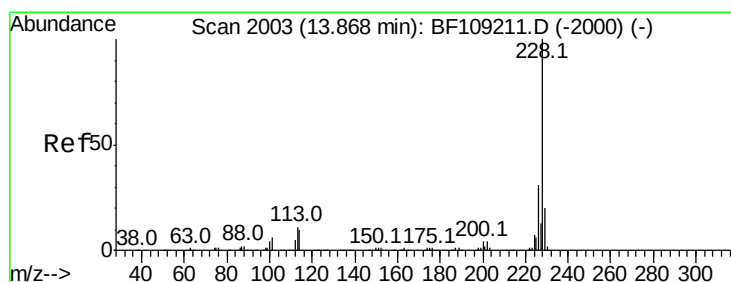
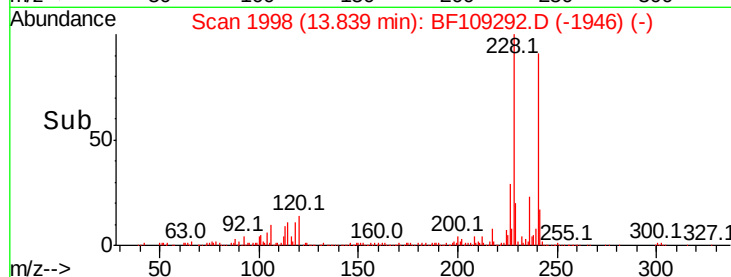
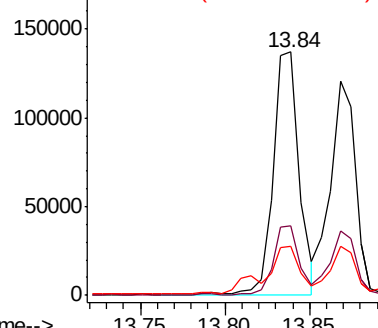


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 8.093 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

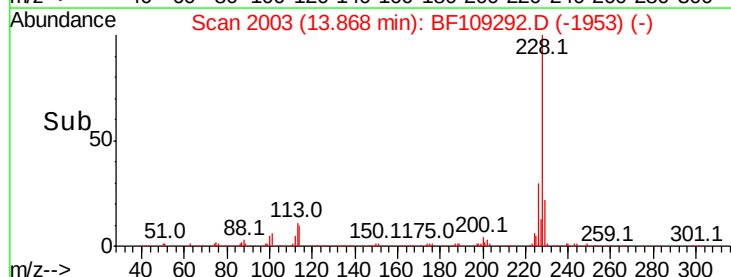
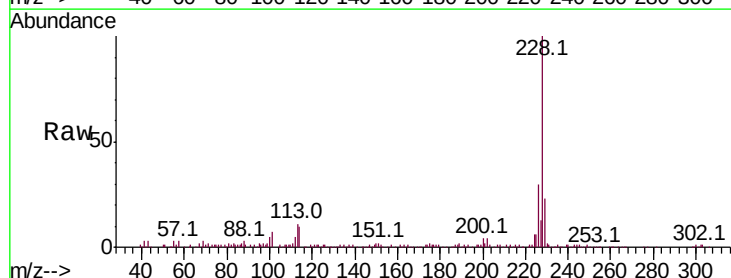
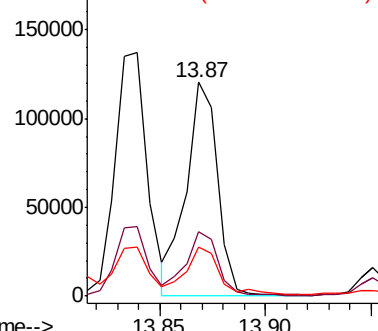
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.7	16.2	24.4

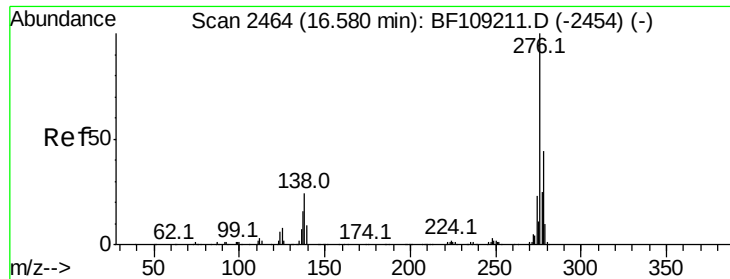
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





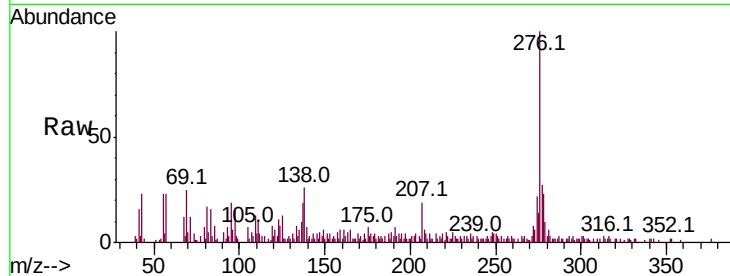
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.231 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	25.4	20.1	30.1

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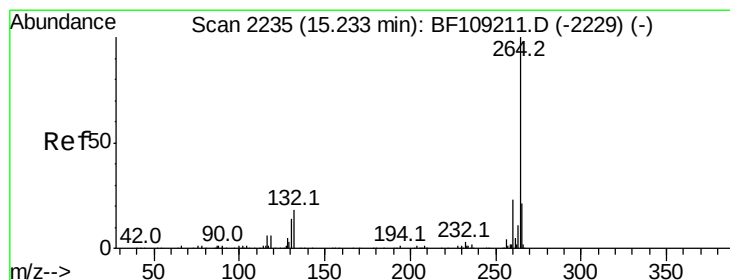
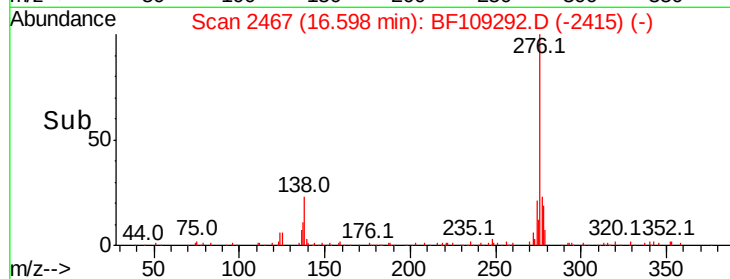
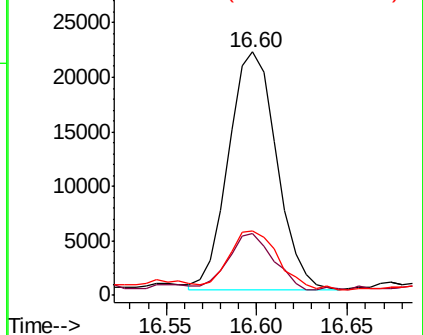


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

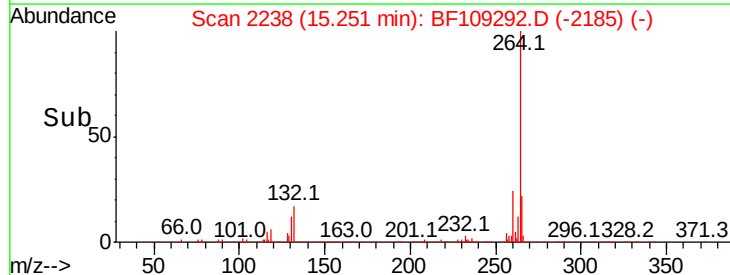
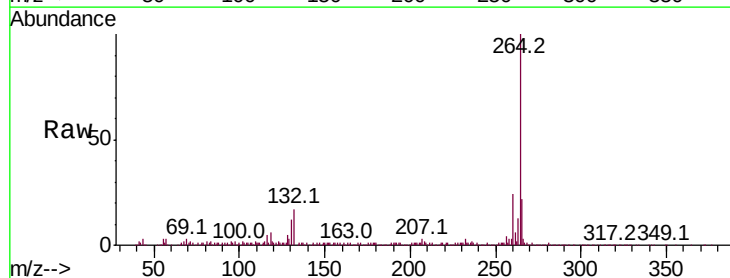
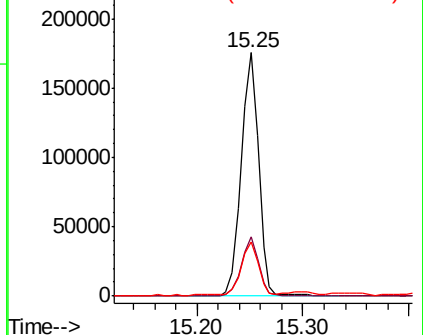
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3

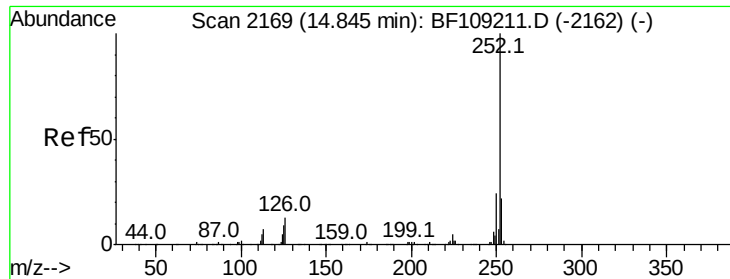
Abundance

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: 10.830 ng m

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

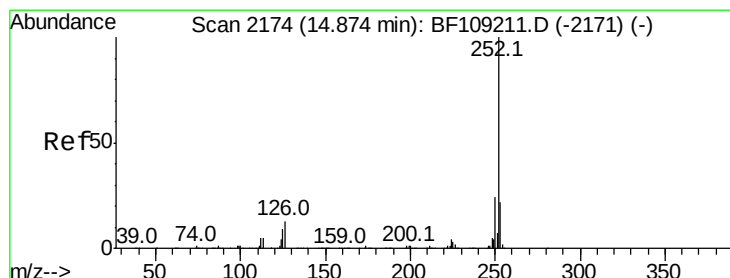
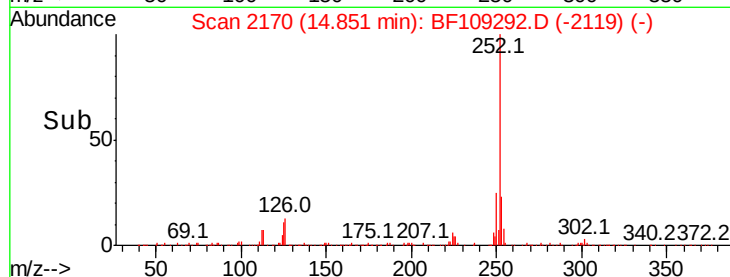
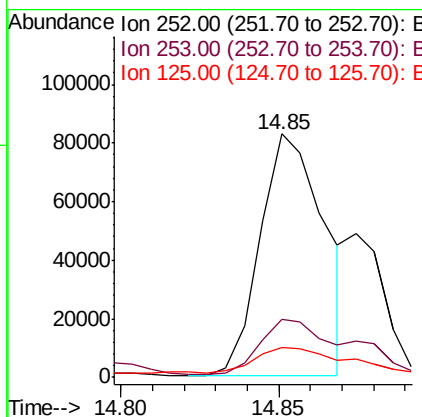
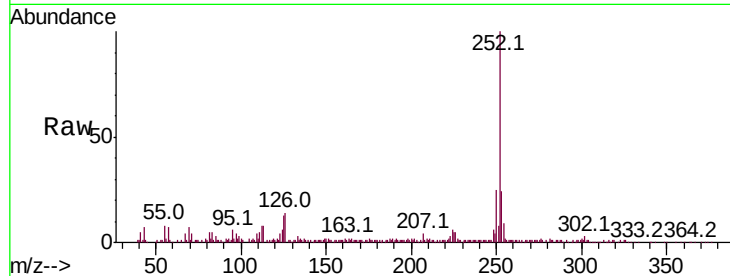
ClientSampleId :

SU-02-092418-B

Tot Ion:	252	Resp:	116932
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.0	25.6
125	12.5	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.762 ng m

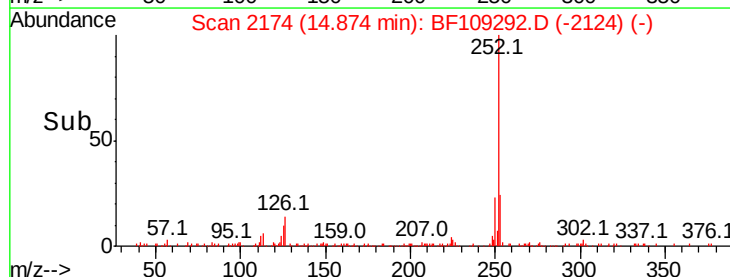
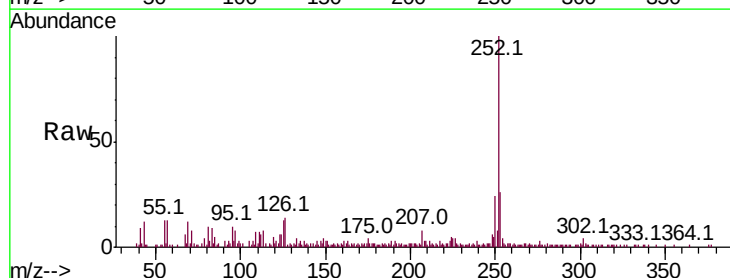
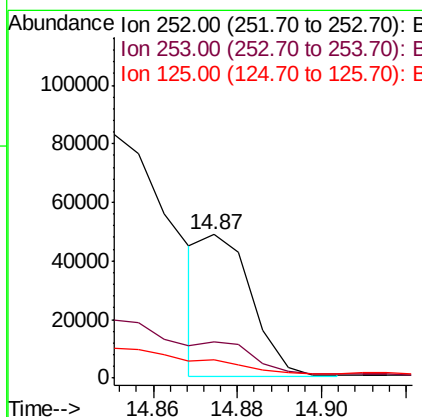
RT: 14.87 min Scan# 2174

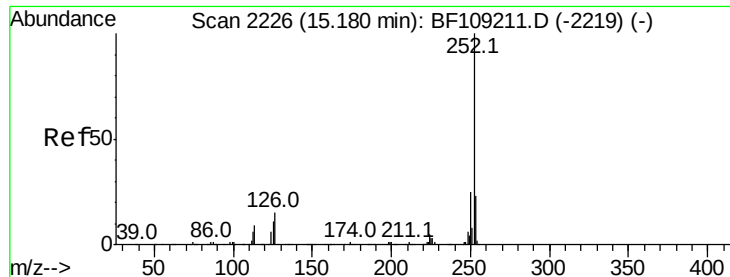
Delta R.T. -0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Tgt Ion:	252	Resp:	38548
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.9	26.9
125	12.6	10.2	15.2





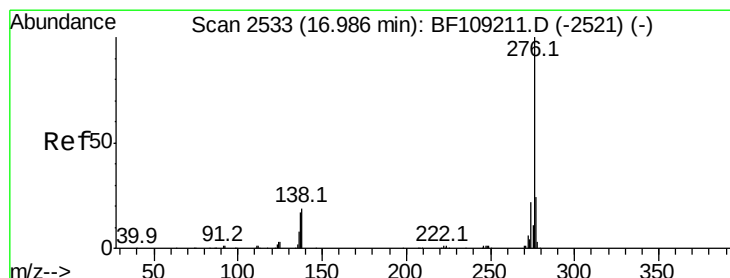
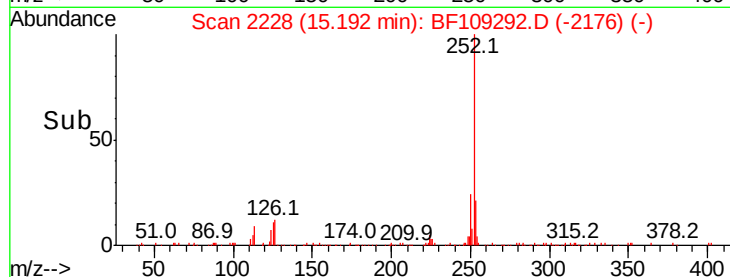
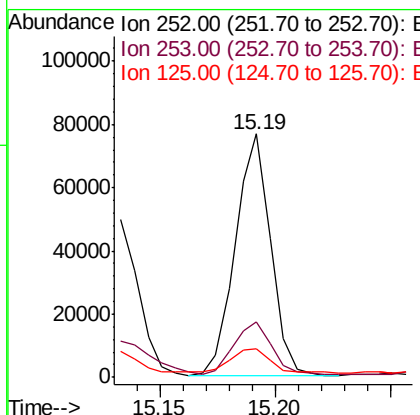
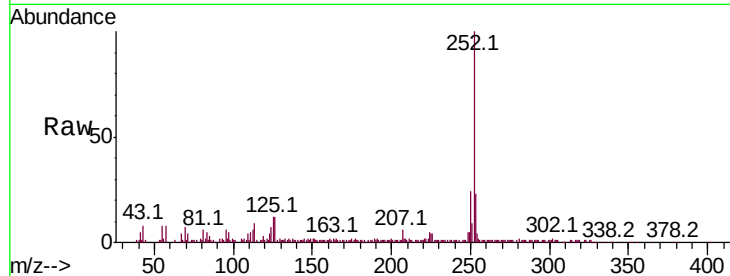
#89
Benzo(a)pyrene
Concen: 8.355 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampled :
SU-02-092418-B

Tot Ion:	252	Resp:	81281
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	11.9	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.690 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Tgt Ion:	276	Resp:	36789
Ion Ratio	Lower	Upper	
276	100		
277	27.3	17.9	26.9#
138	21.3	21.8	32.8#

