

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109551.D
 Acq On : 3 Oct 2018 17:25
 Operator : JU/SJ
 Sample : J5194-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-100218-C

Manual Integrations
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Quant Time: Oct 03 19:10:09 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	91085	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	300040	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	127747	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	231018	20.00	ng	0.00
75) Chrysene-d12	13.84	240	228363	20.00	ng	0.00
86) Perylene-d12	15.24	264	165690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	248651	44.96	ng	0.00
7) Phenol-d6	6.35	99	327781	46.45	ng	-0.01
23) Nitrobenzene-d5	7.26	82	194609	38.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	61352	48.72	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	317376	37.47	ng	-0.02
78) Terphenyl-d14	12.79	244	303973	32.67	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.45	163	90361	9.725	ng	Qvalue # 99
70) Phenanthrene	11.23	178	54841	4.754	ng	98
74) Fluoranthene	12.42	202	148876	12.077	ng	95
77) Pyrene	12.64	202	142958	8.735	ng	99
80) Benzo(a)anthracene	13.83	228	79701	5.794	ng	98
82) Chrysene	13.87	228	71505m	5.245	ng	
85) Indeno(1,2,3-cd)pyrene	16.60	276	24572	2.224	ng	# 89
87) Benzo(b)fluoranthene	14.85	252	66812m	7.338	ng	
88) Benzo(k)fluoranthene	14.86	252	28470m	3.295	ng	
89) Benzo(a)pyrene	15.19	252	45575	5.555	ng	# 87
91) Benzo(g,h,i)perylene	17.00	276	23703	3.583	ng	# 89

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

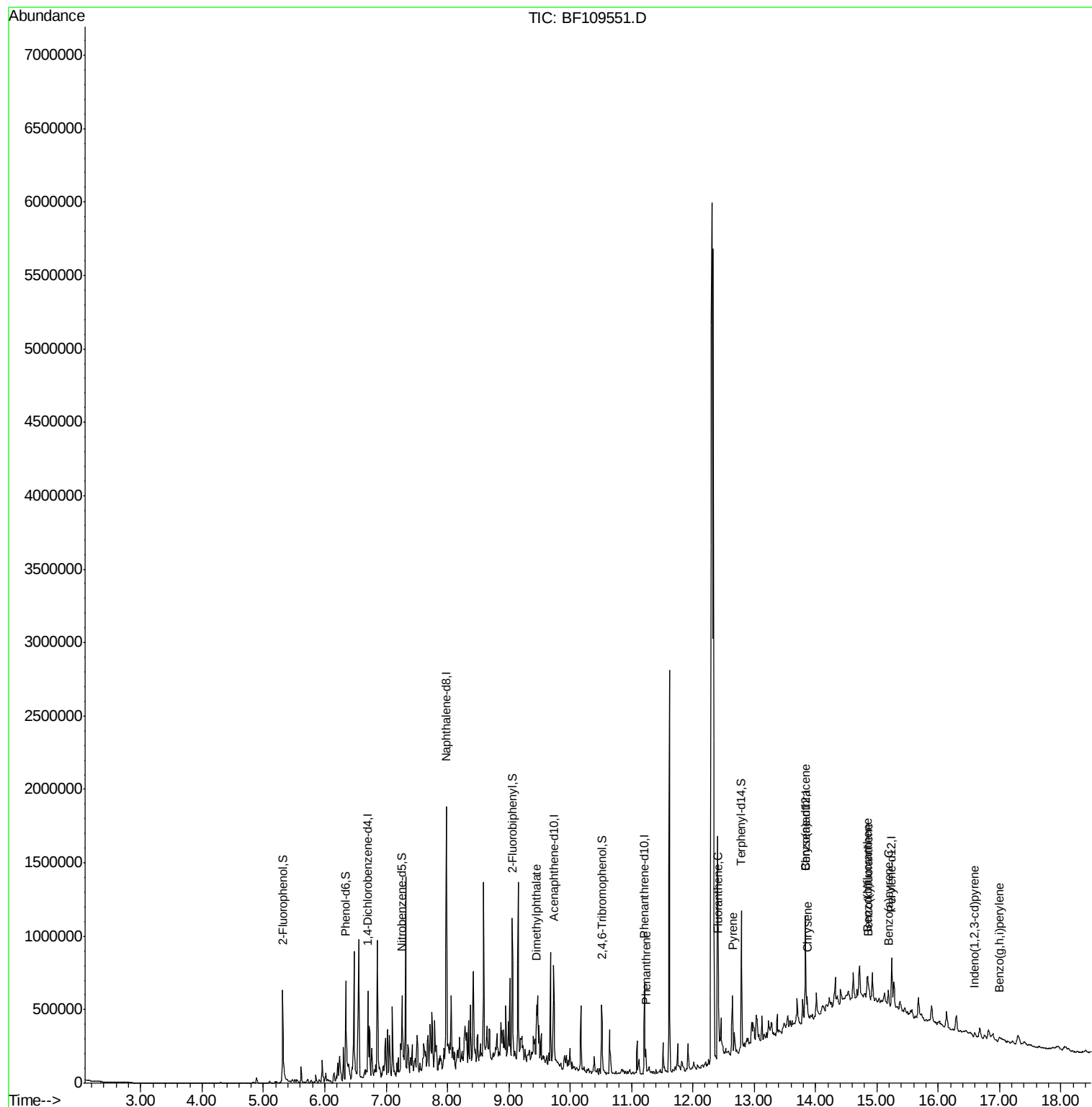
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
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#1

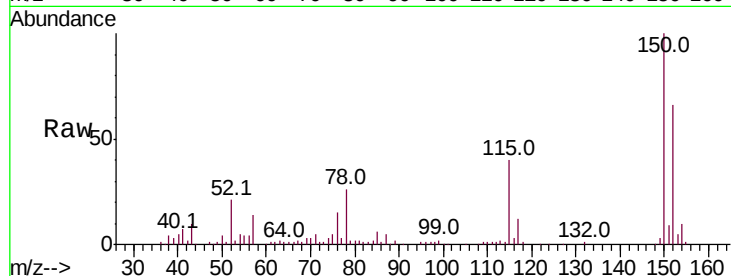
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.6	186.8
115	60.1	50.1	75.1

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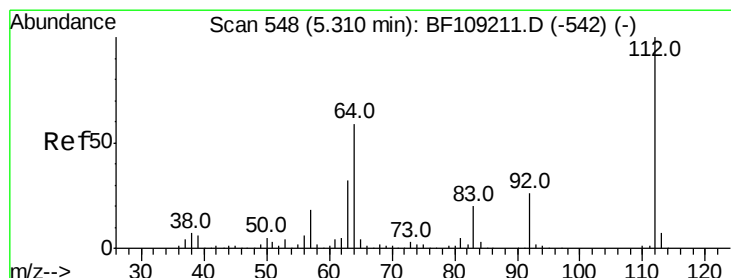
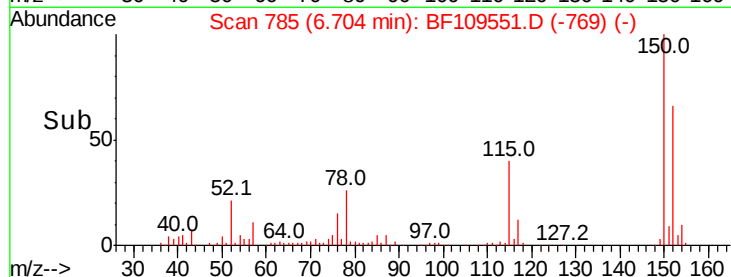
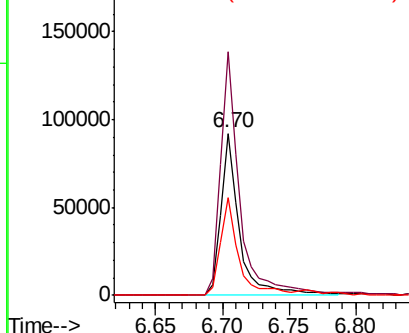


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

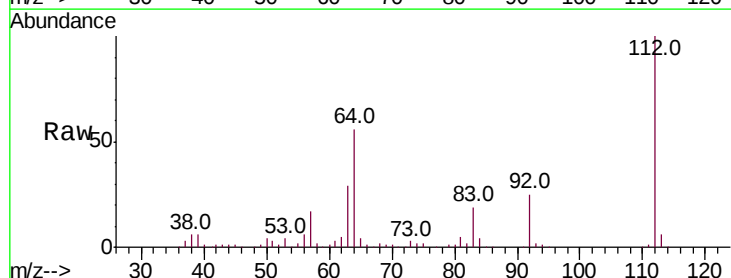
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.963 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	29.3	23.7	35.5

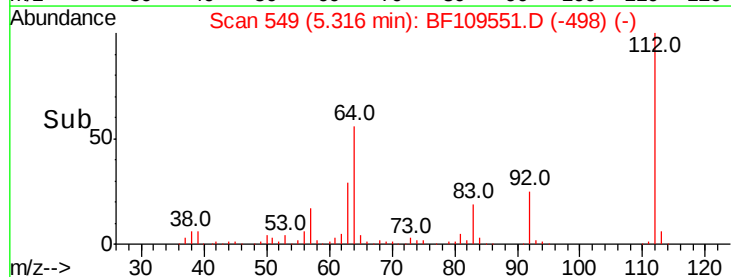
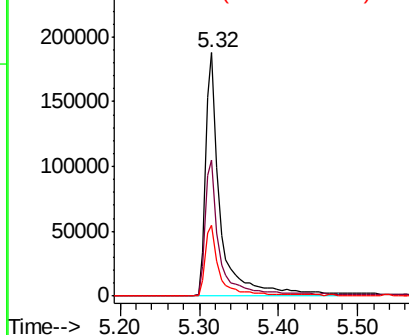


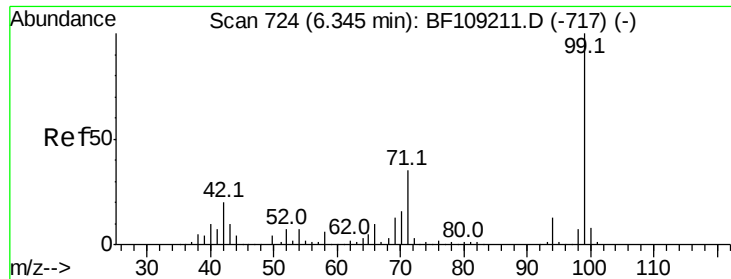
Abundance

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: 46.450 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

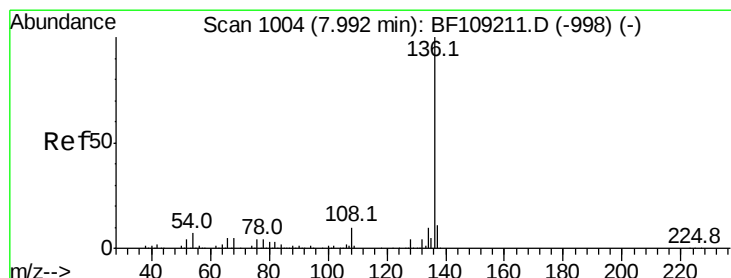
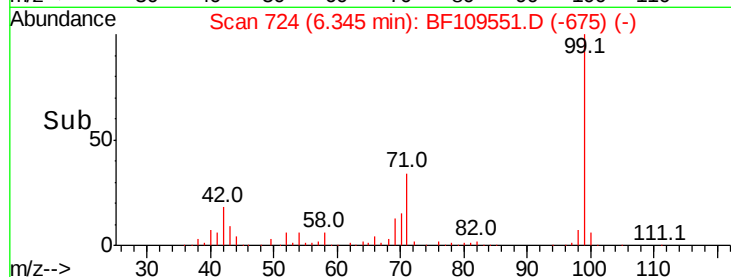
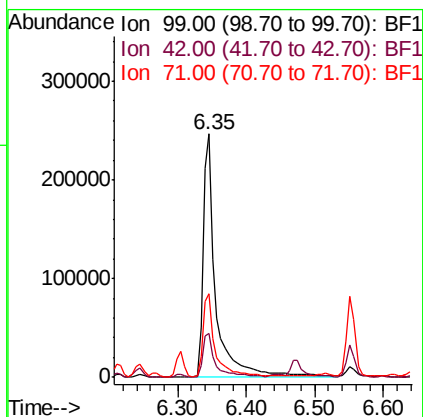
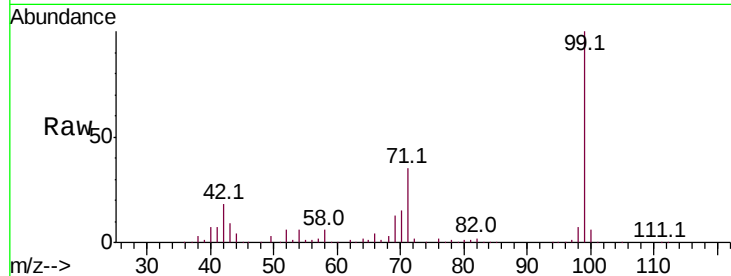
ClientSampleId :

HR-06-100218-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		327781		
42	17.9	14.5	21.7		
71	34.5	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

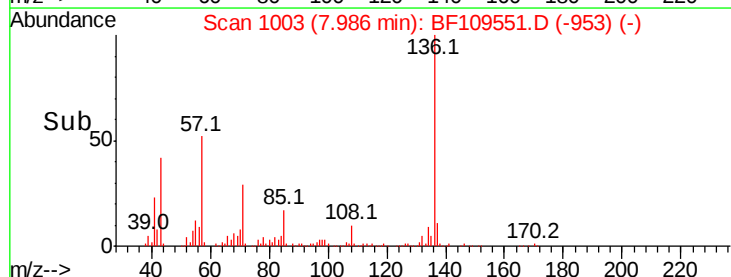
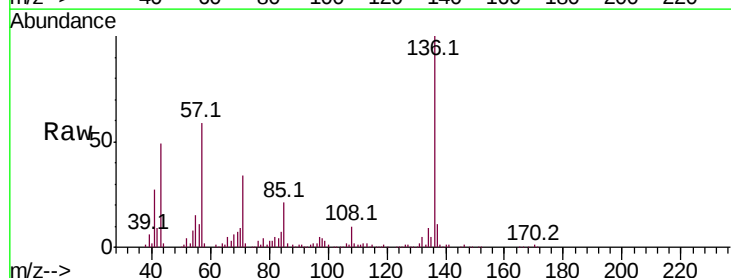
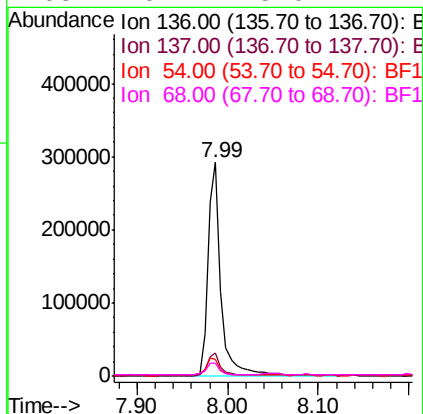
RT: 7.99 min Scan# 1003

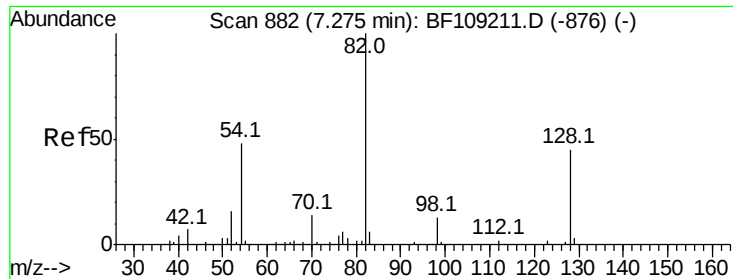
Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		300040		
137	10.9	8.9	13.3		
54	7.8	6.6	9.8		
68	6.1	5.0	7.4		





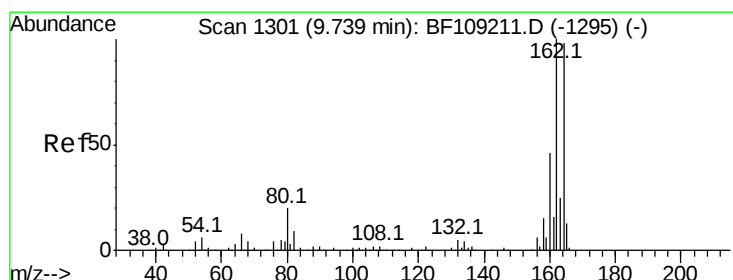
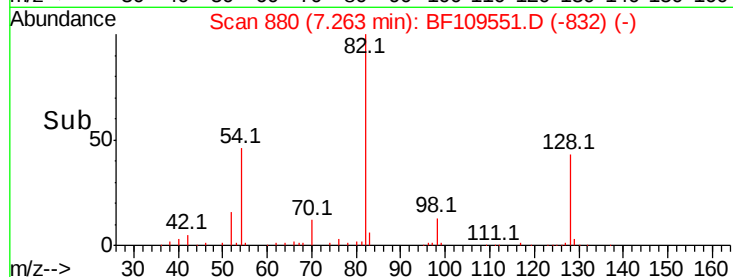
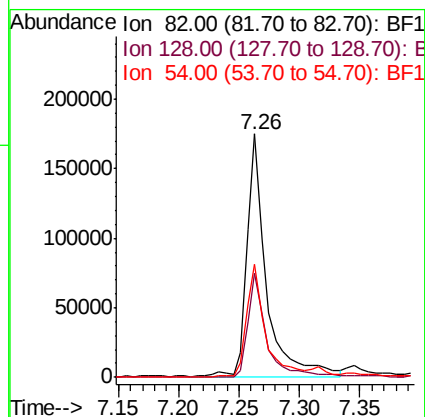
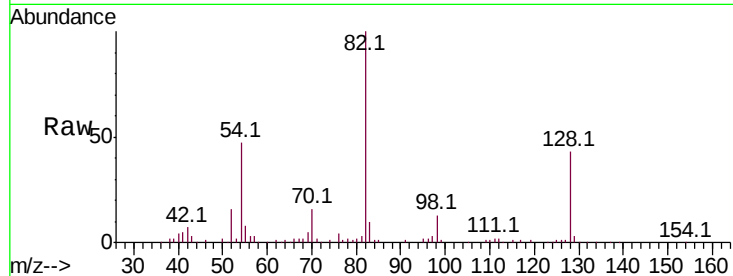
#23
 Nitrobenzene-d5
 Concen: 38.288 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	46.5	41.4	62.2

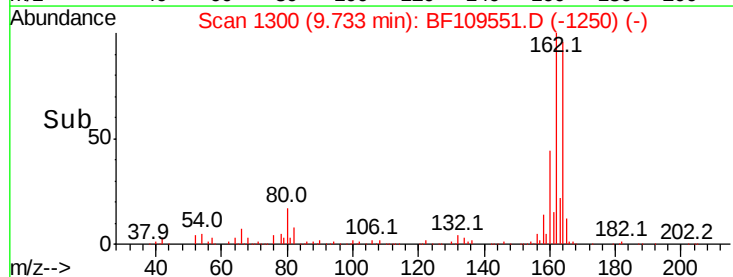
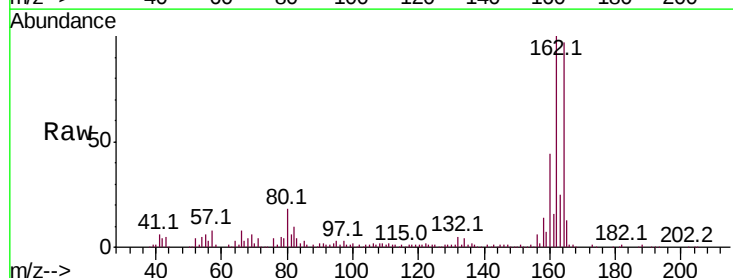
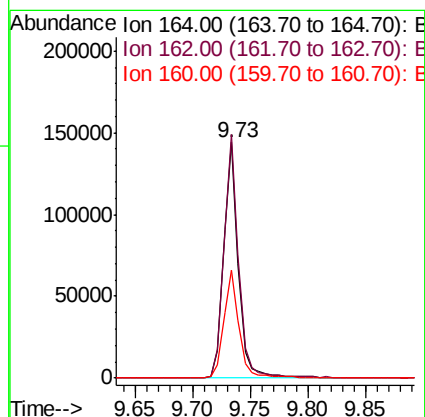
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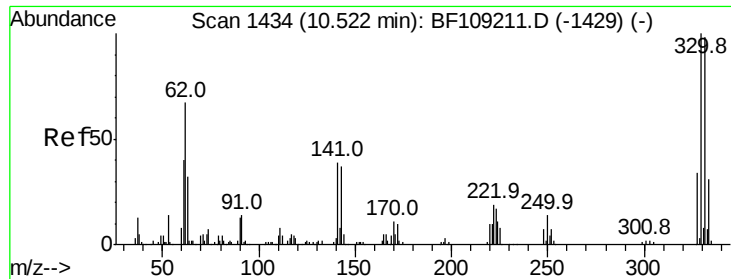
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.8	38.3	57.5





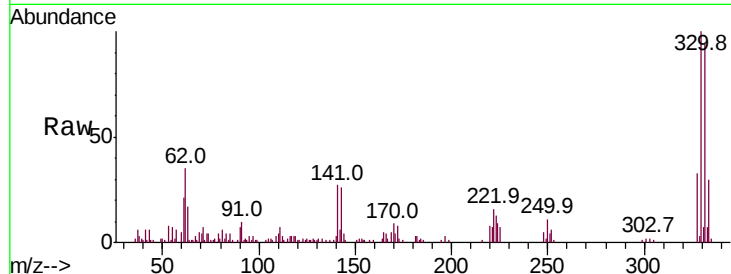
#41
 2,4,6-Tribromophenol
 Concen: 48.718 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-100218-C

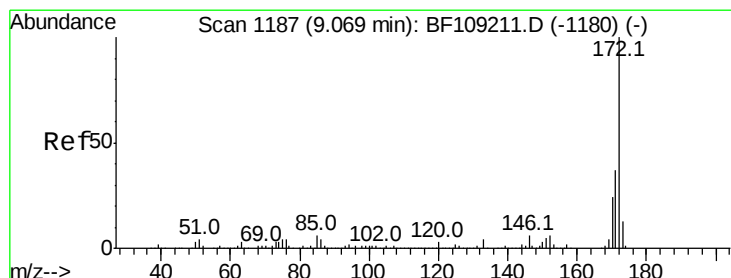
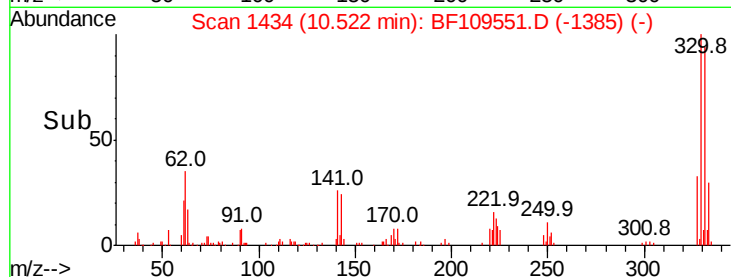
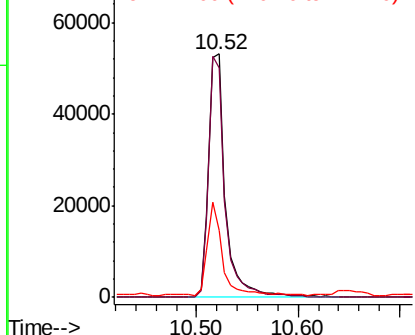
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	34.3	29.9	44.9

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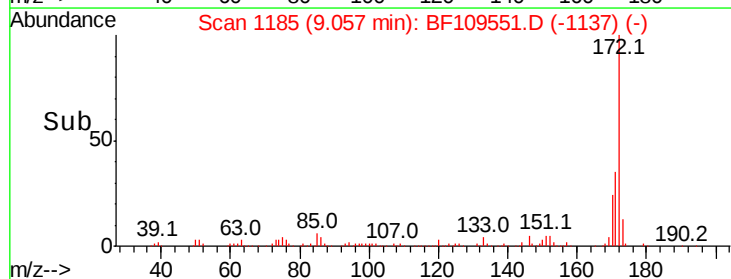
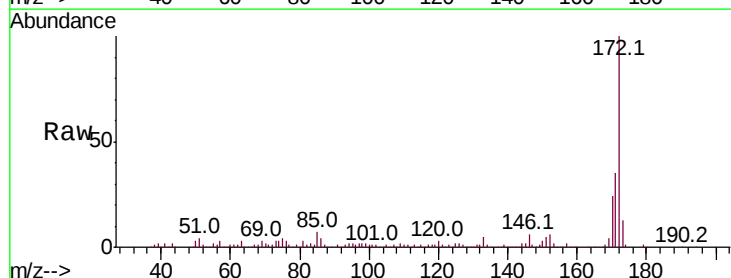
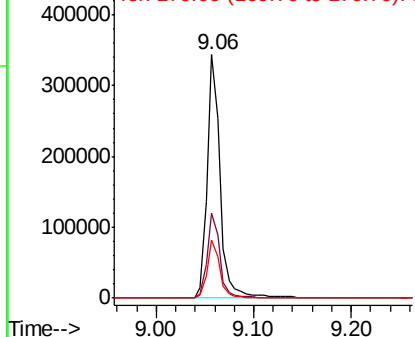
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

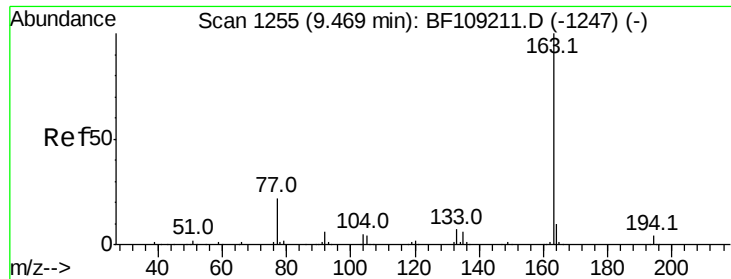


#44
 2-Fluorobiphenyl
 Concen: 37.470 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.7	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





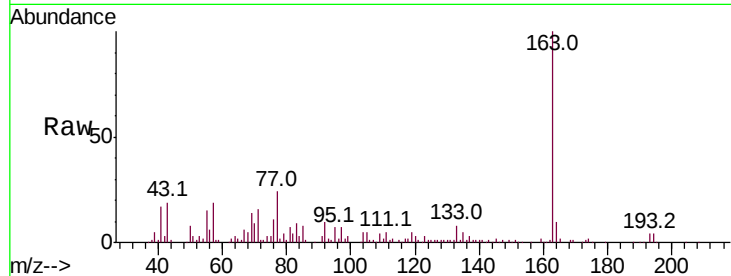
#49
Dimethylphthalate
Concen: 9.725 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HR-06-100218-C

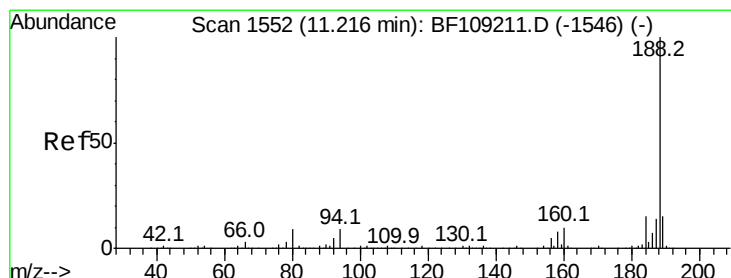
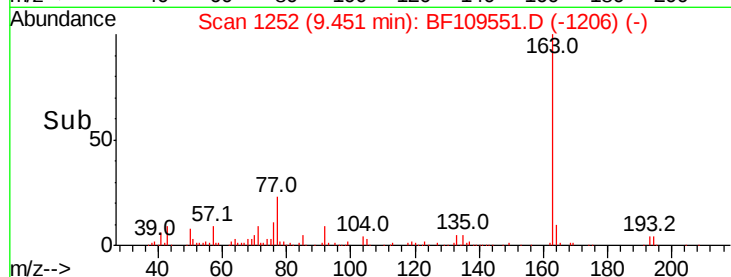
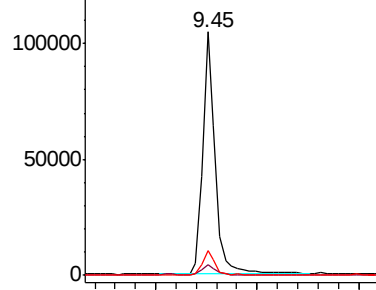
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	10.0	8.2	12.2

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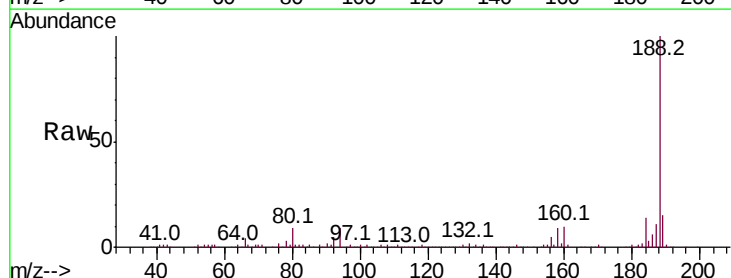


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

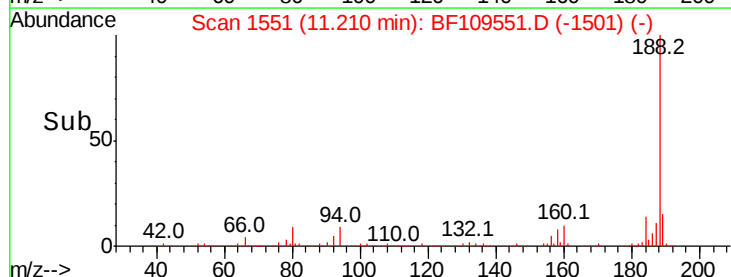
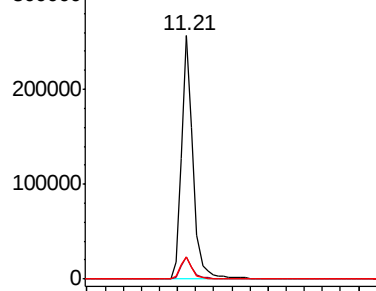


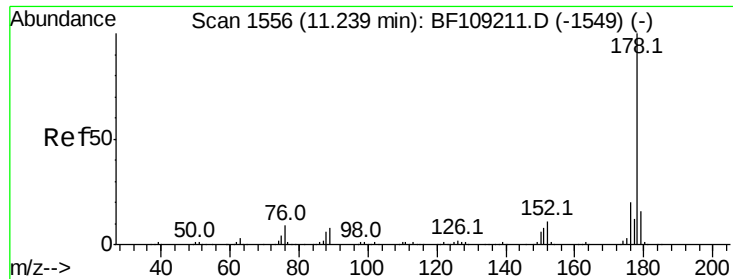
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.3	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





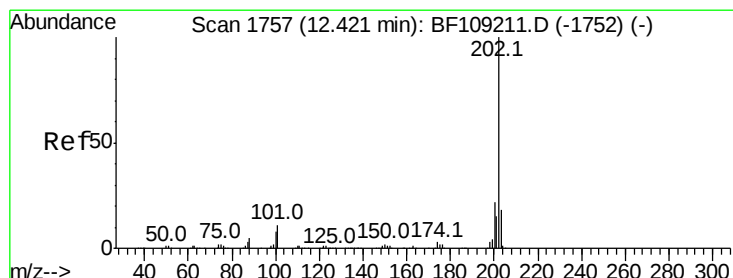
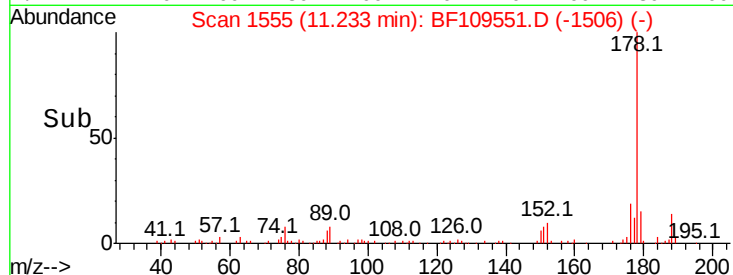
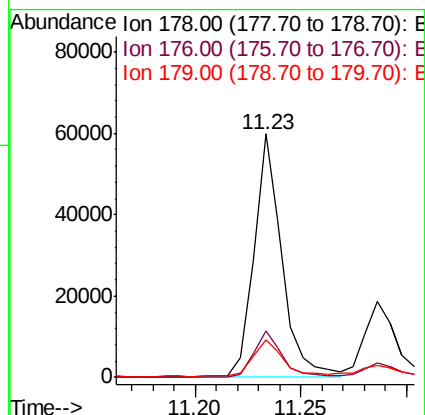
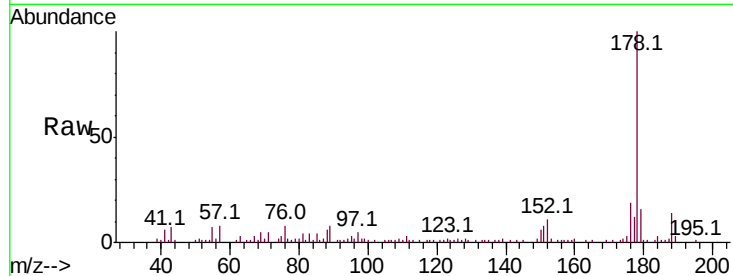
#70
Phenanthrene
Concen: 4.754 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	178	Resp:	54841
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	13.0	19.6

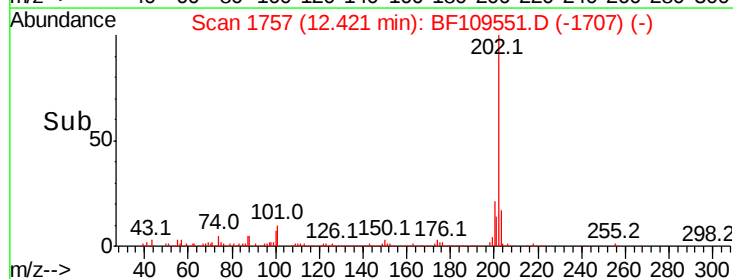
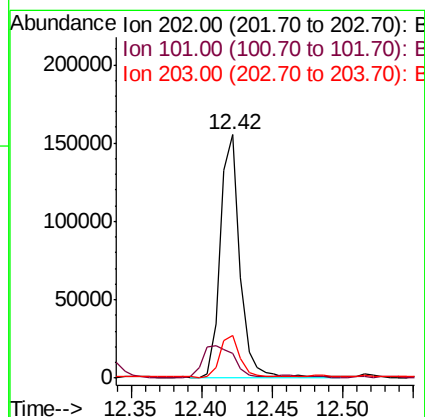
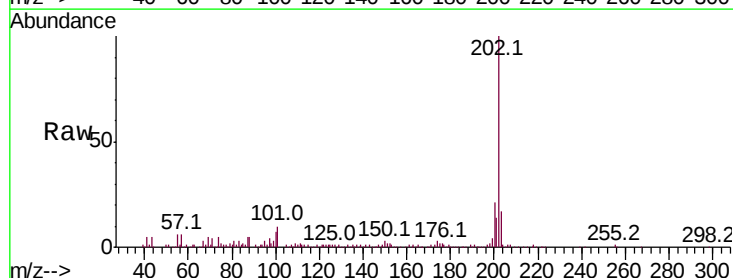
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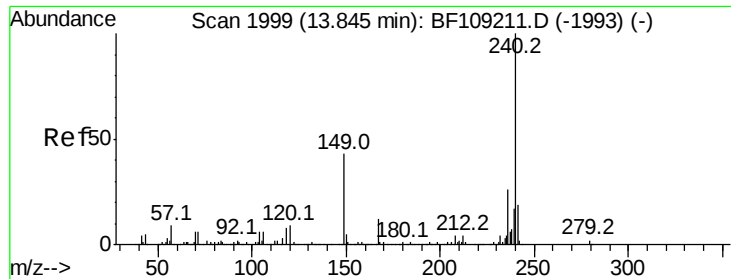
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#74
Fluoranthene
Concen: 12.077 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion:	202	Resp:	148876
Ion	Ratio	Lower	Upper
202	100		
101	10.1	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: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

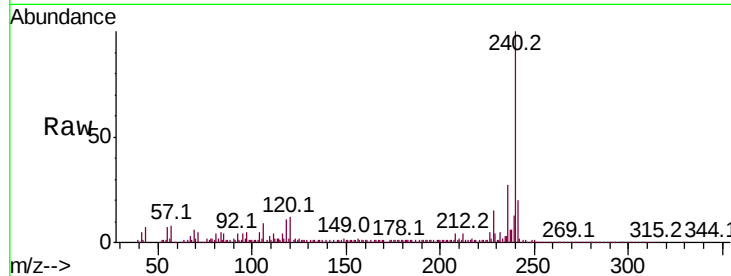
ClientSampleId :

HR-06-100218-C

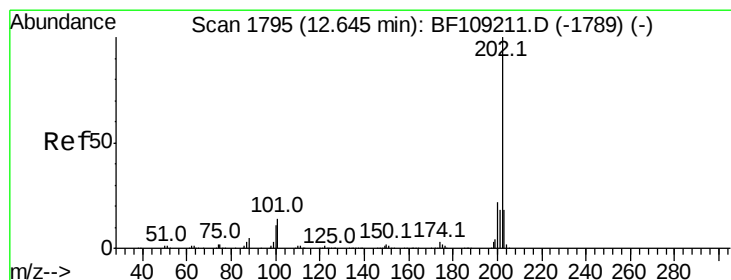
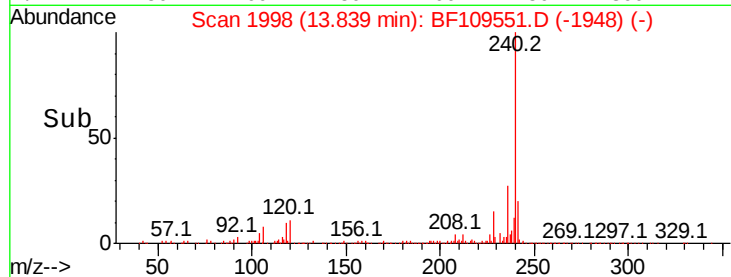
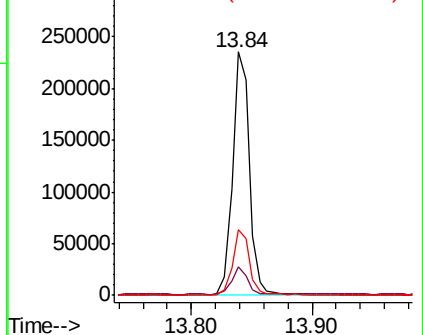
Tot Ion:	240	Resp:	228363
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	26.8	20.7	31.1

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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: 8.735 ng

RT: 12.64 min Scan# 1795

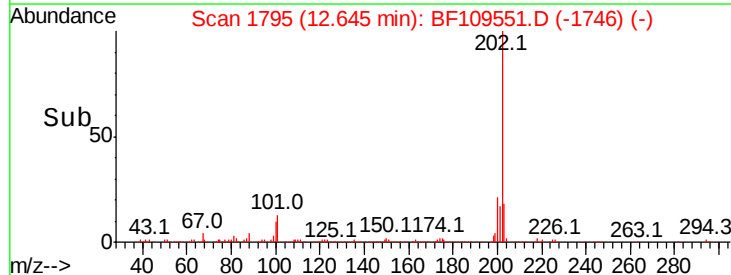
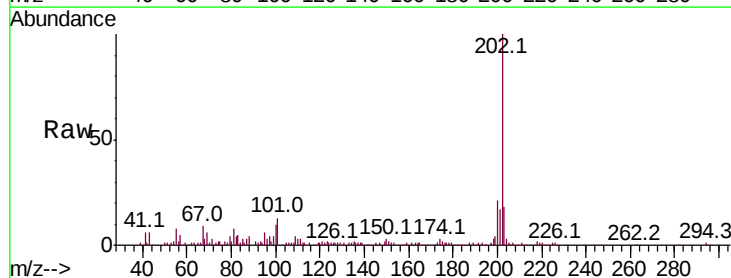
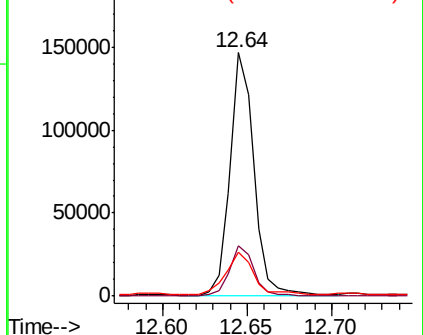
Delta R.T. -0.01 min

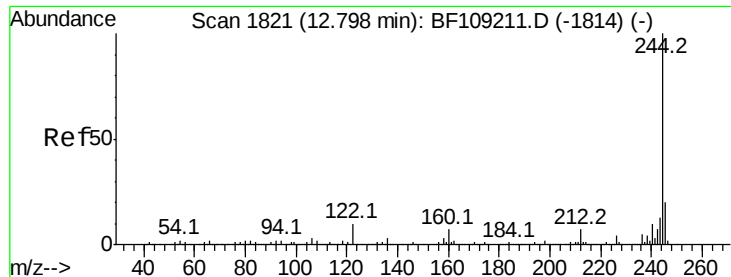
Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Tgt Ion:	202	Resp:	142958
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.3	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





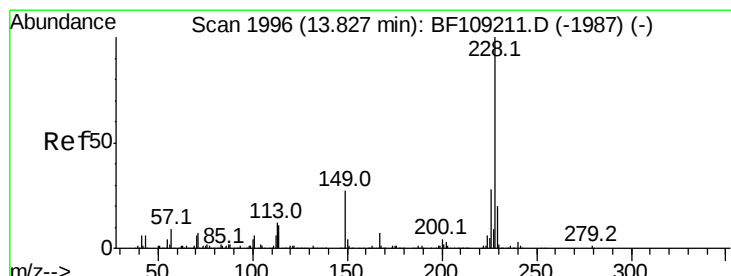
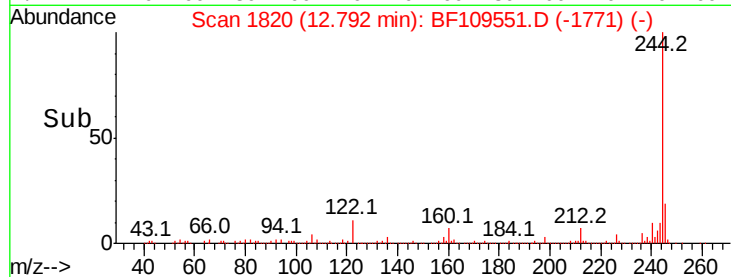
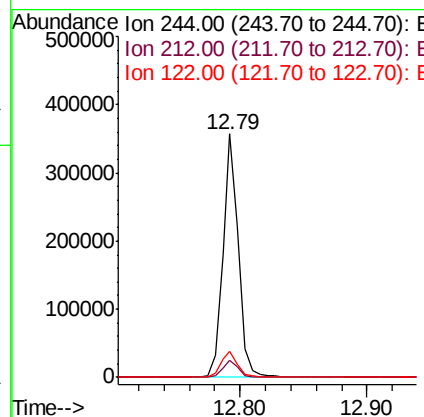
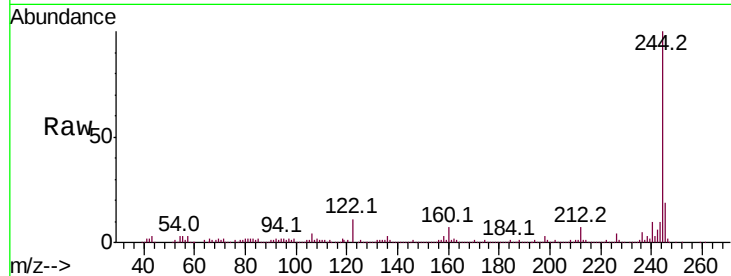
#78
 Terphenyl-d14
 Concen: 32.667 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.9	11.0	16.4

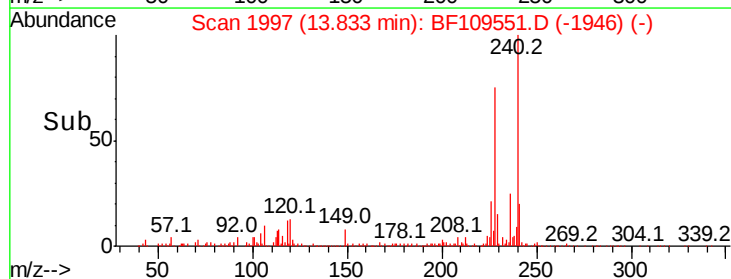
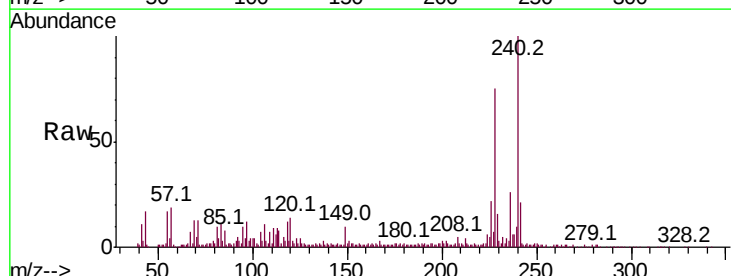
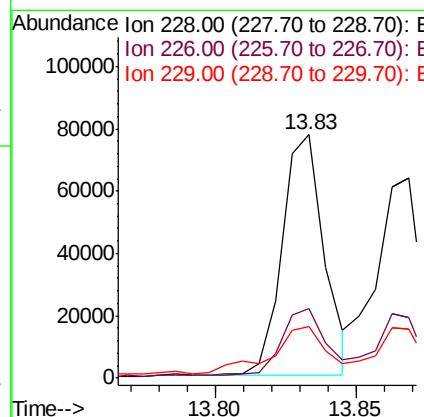
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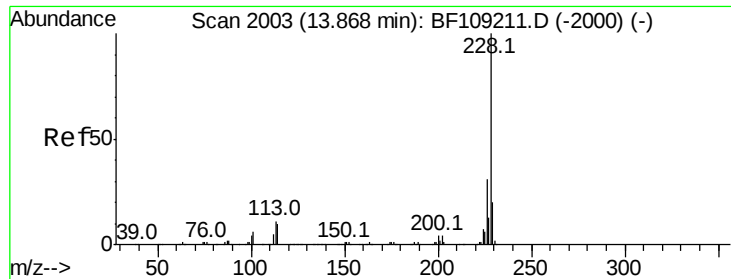
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#80
 Benzo(a)anthracene
 Concen: 5.794 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.4	15.8	23.6





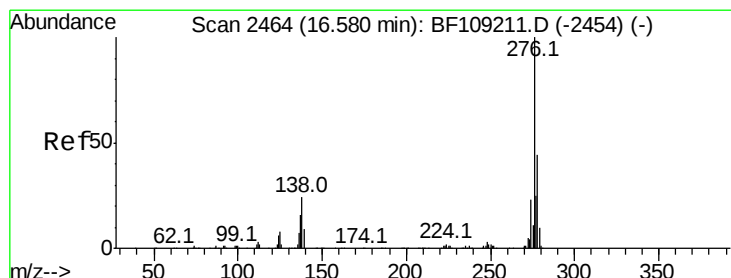
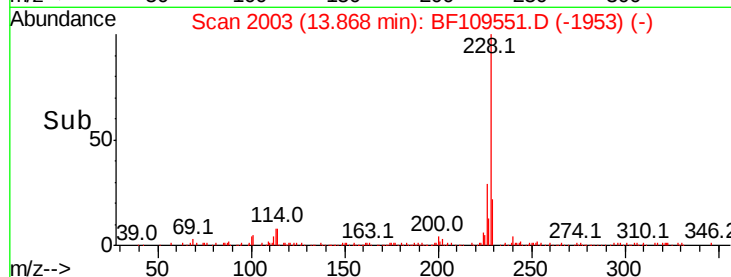
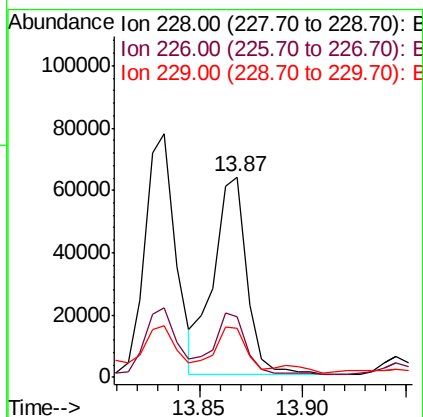
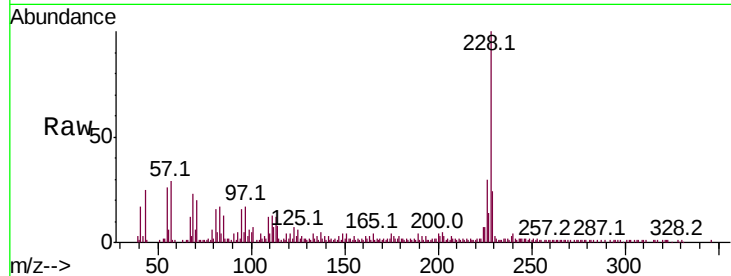
#82
Chrysene
Concen: 5.245 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleID :
HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	24.4	16.2	24.4

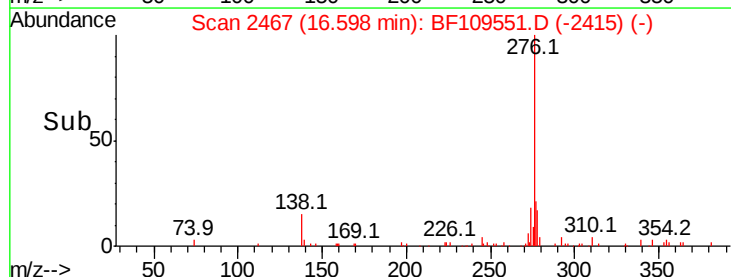
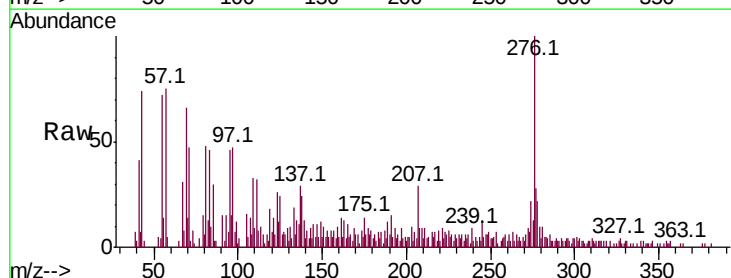
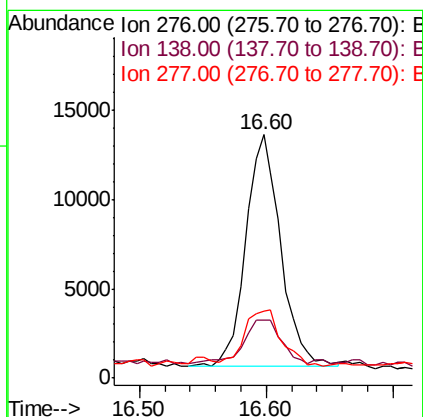
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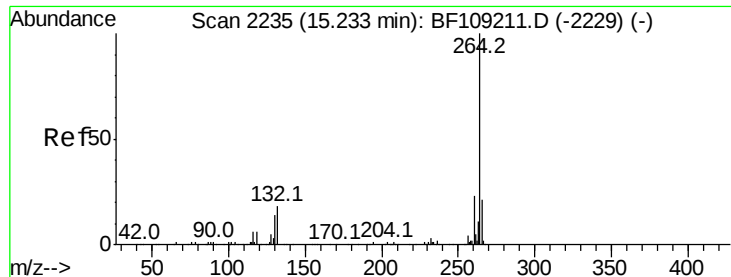
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.224 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.0	37.6
277	26.4	20.1	30.1





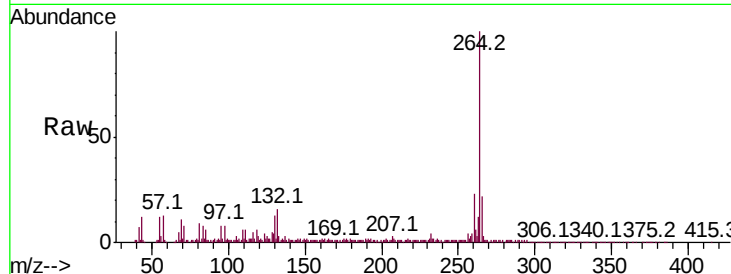
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3

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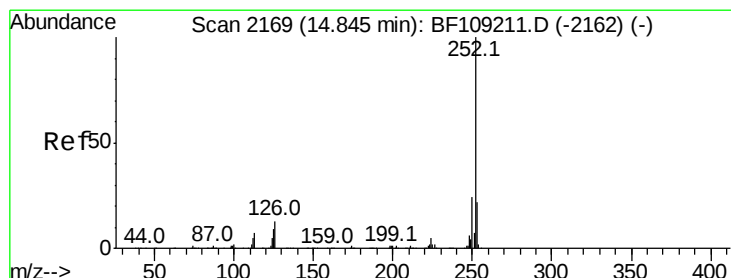
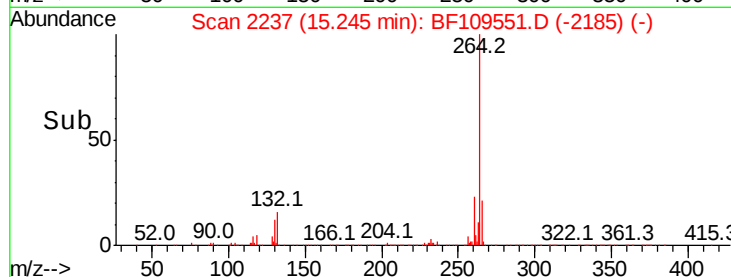
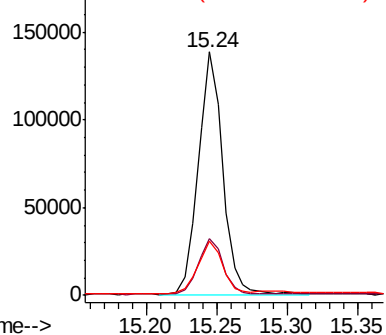


Abundance

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: 7.338 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

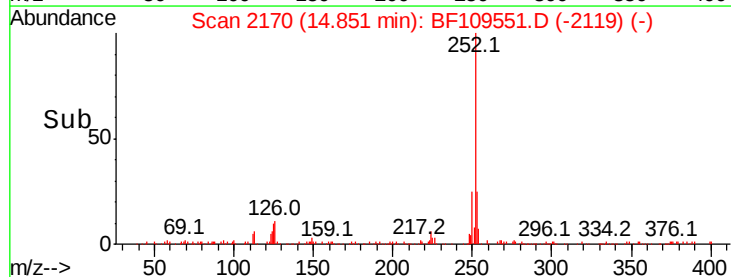
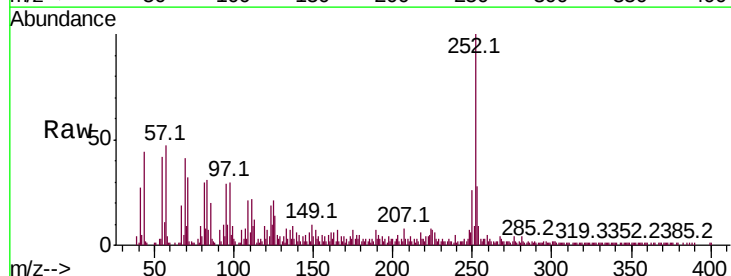
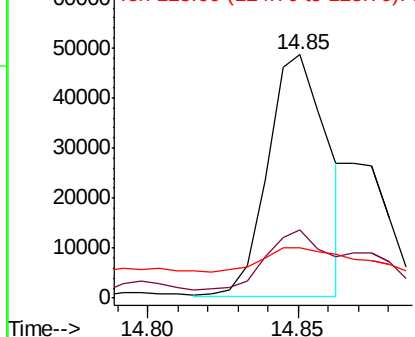
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.0	25.6#
125	20.6	9.0	13.6#

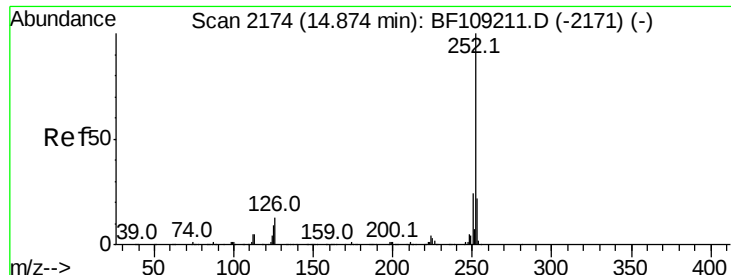
Abundance

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





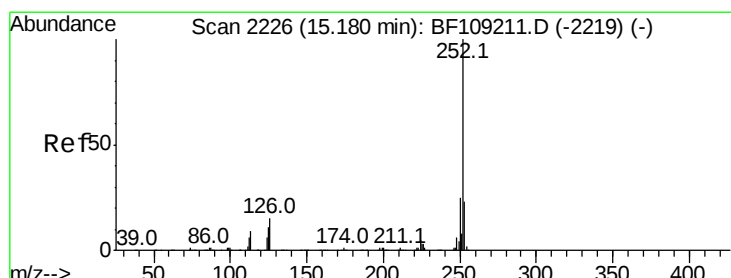
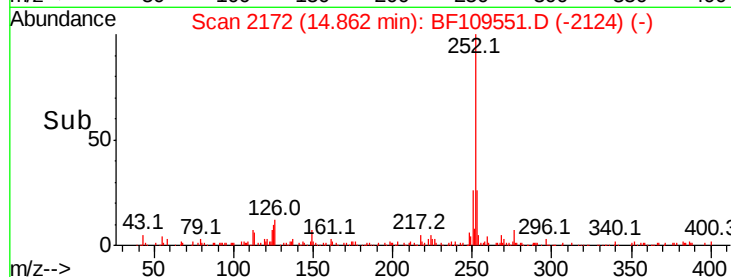
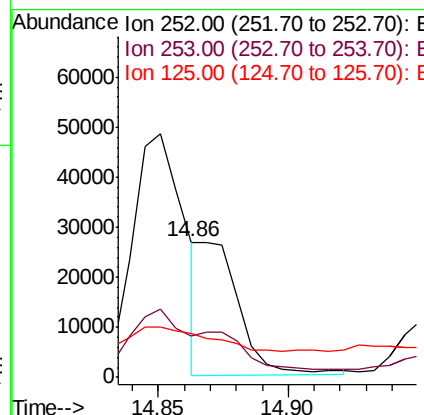
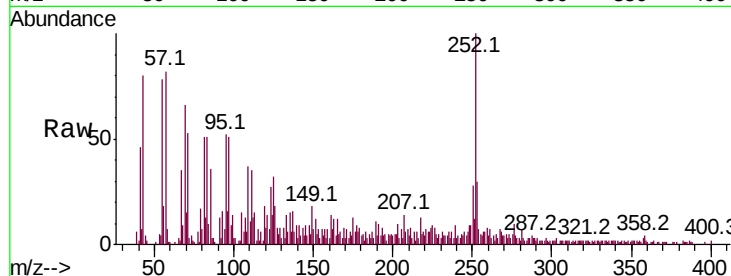
#88
Benzo(k)fluoranthene
Concen: 3.295 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.9	26.9#
125	32.0	10.2	15.2#

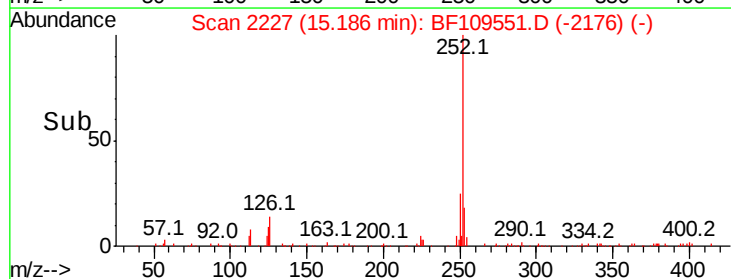
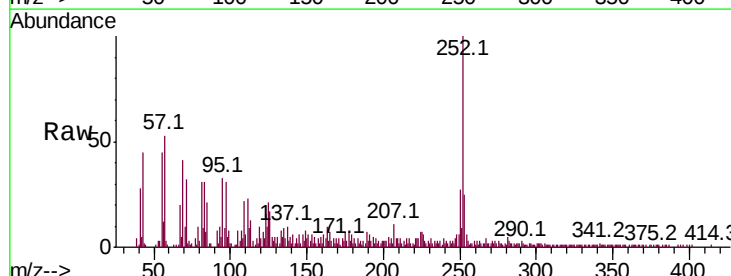
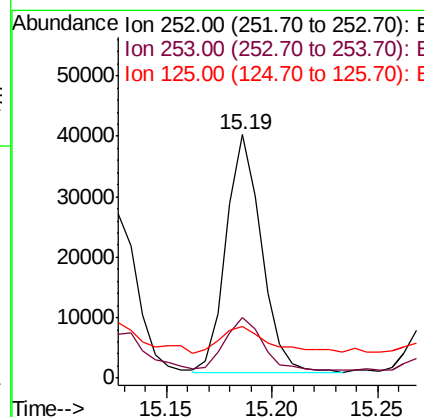
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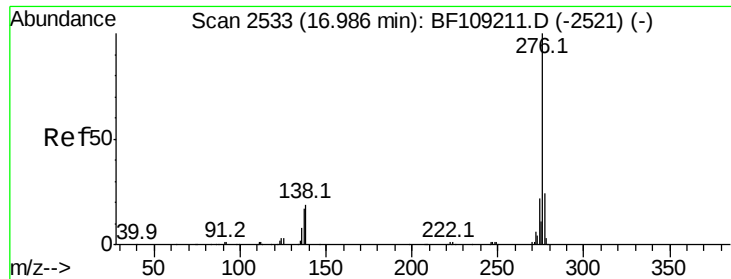
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#89
Benzo(a)pyrene
Concen: 5.555 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	21.3	9.8	14.6#





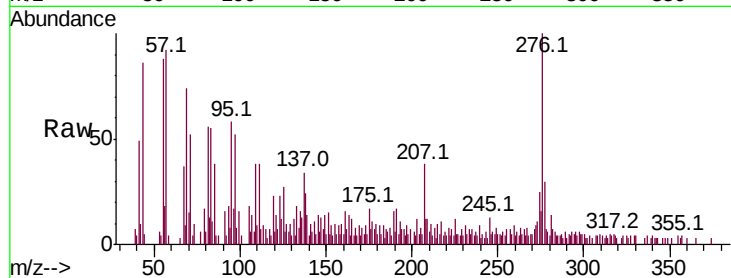
#91
 Benzo(a,h,i)perylene
 Concen: 3.583 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-100218-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.1	17.9	26.9#
138	23.9	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

