

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109100.D
 Acq On : 18 Sep 2018 17:20
 Operator : JU/SJ
 Sample : J4936-35 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 132-1-VOLT

Manual Integrations
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Sohil
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Quant Time: Sep 18 19:11:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117757	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	418108	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	164169	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	251914	20.00	ng	0.00
75) Chrysene-d12	13.88	240	259140	20.00	ng	0.02
86) Perylene-d12	15.28	264	318560	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	98034	13.83	ng	0.00
7) Phenol-d6	6.35	99	121670	13.31	ng	-0.01
23) Nitrobenzene-d5	7.28	82	74055	9.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	20510	11.51	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	118750	11.33	ng	0.00
78) Terphenyl-d14	12.82	244	88265	8.07	ng	0.01
Target Compounds						
70) Phenanthrene	11.26	178	279863	22.663	ng	Qvalue 97
71) Anthracene	11.31	178	57099	4.561	ng	# 87
74) Fluoranthene	12.45	202	368380	28.257	ng	95
77) Pyrene	12.68	202	349060	18.134	ng	98
80) Benzo(a)anthracene	13.87	228	235374	15.002	ng	97
82) Chrysene	13.90	228	218113	13.895	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	83661	6.666	ng	# 92
87) Benzo(b)fluoranthene	14.88	252	242912m	13.783	ng	
88) Benzo(k)fluoranthene	14.91	252	99388m	6.038	ng	
89) Benzo(a)pyrene	15.22	252	169334	10.819	ng	# 78
91) Benzo(g,h,i)perylene	17.03	276	61756	4.698	ng	# 89

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

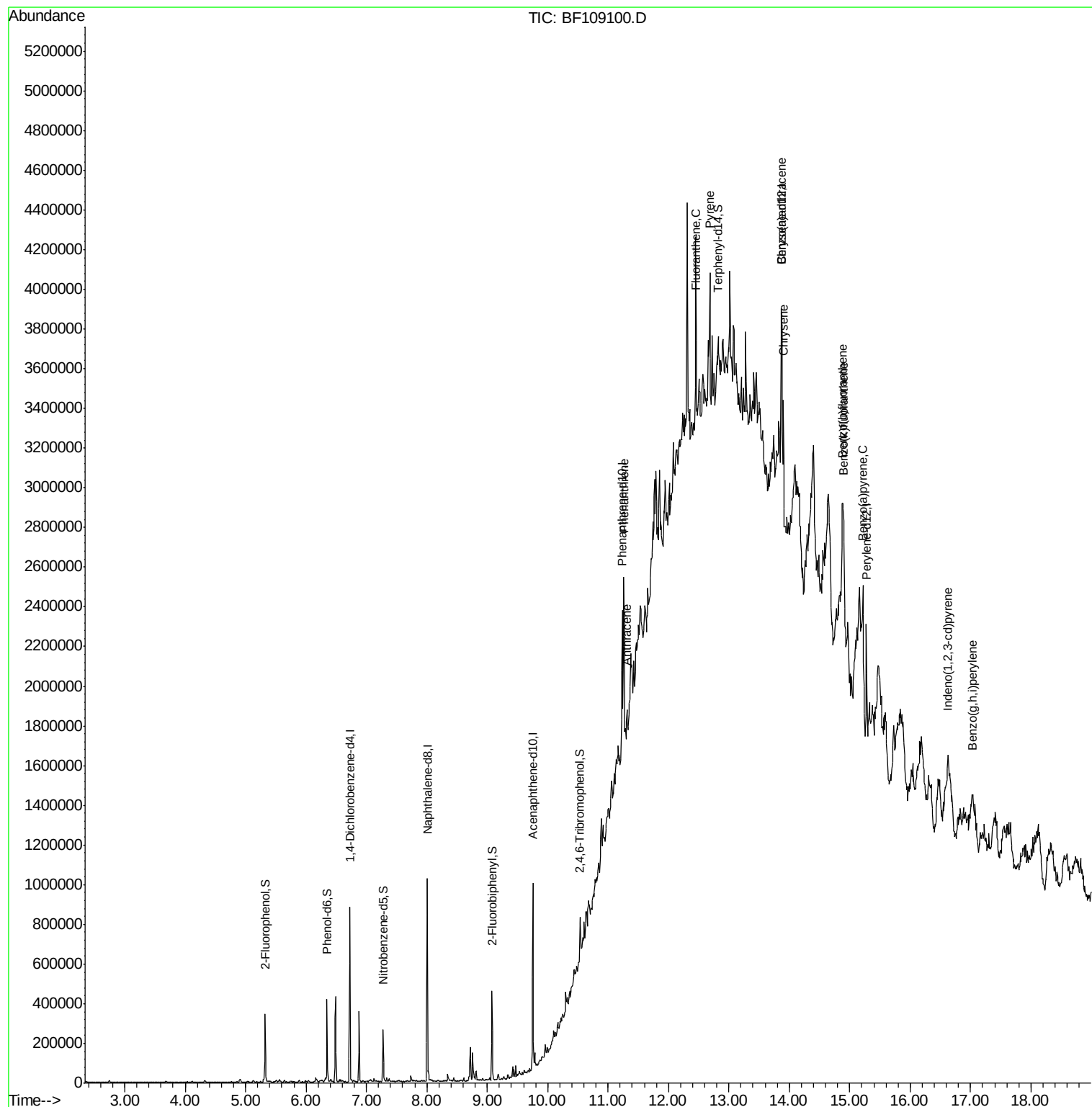
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109100.D
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Sample : J4936-35 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

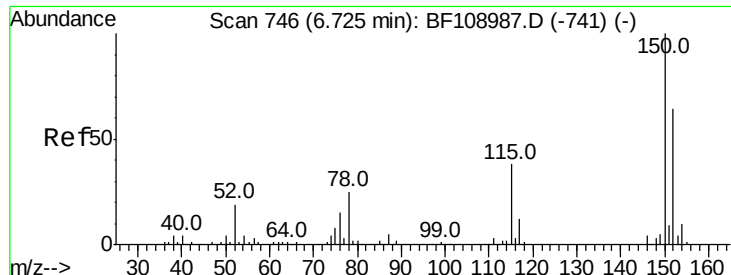
Instrument :
BNA_F
ClientSampleId :
132-1-VOLT

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
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#1

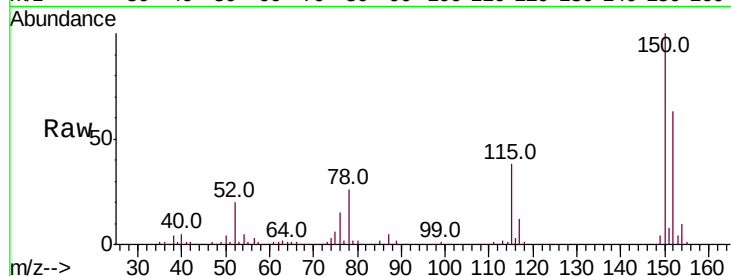
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Instrument :
BNA_F
ClientSampleId :
132-1-VOLT

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	60.0	50.1	75.1

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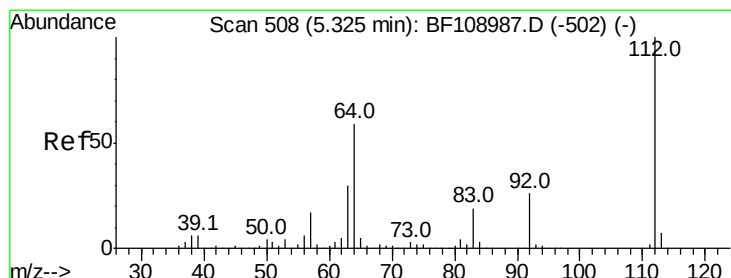
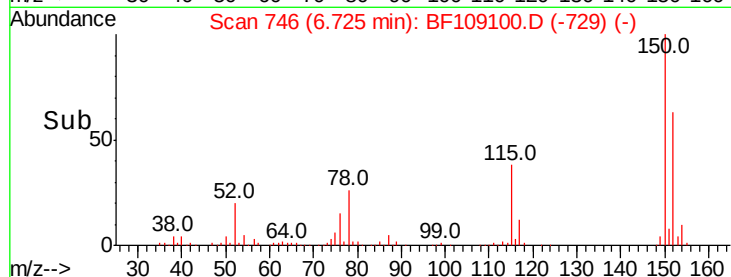
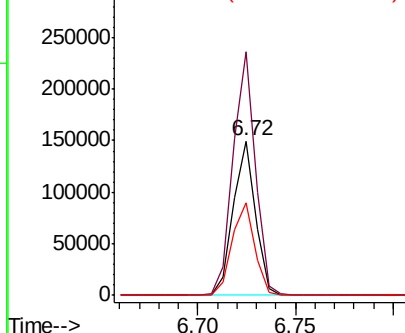


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

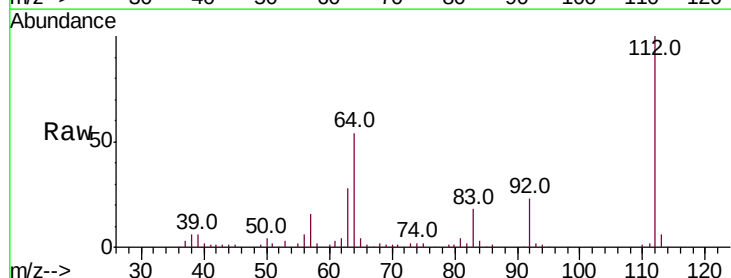
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.827 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	27.9	23.7	35.5

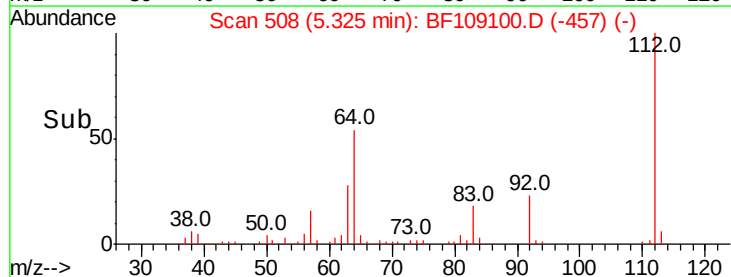
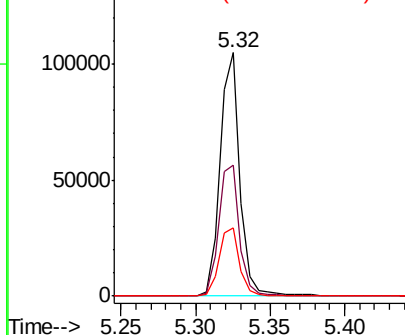


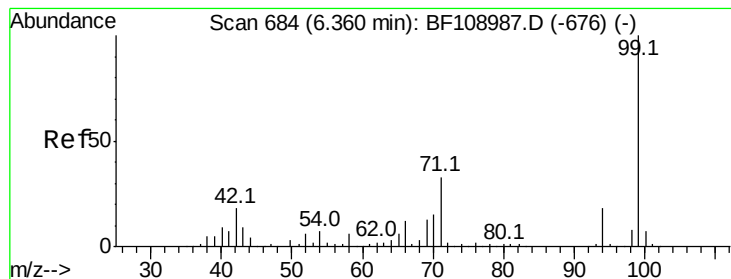
Abundance

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: 13.309 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

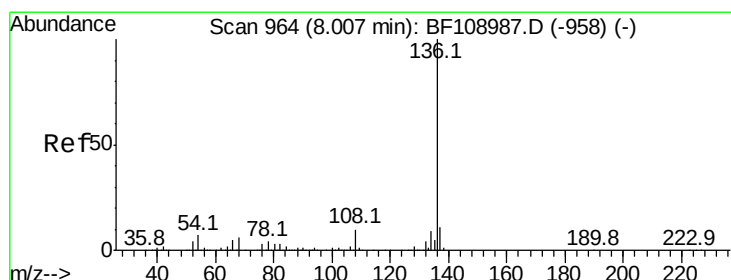
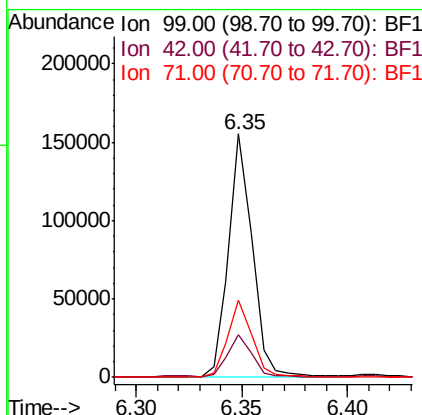
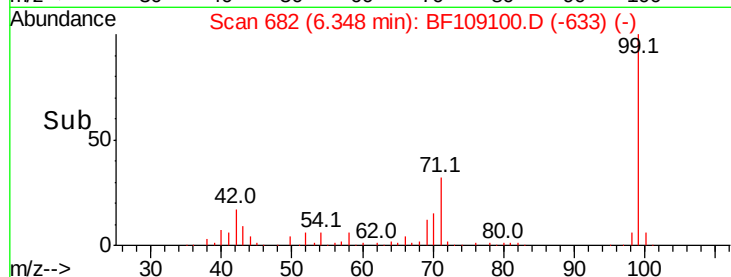
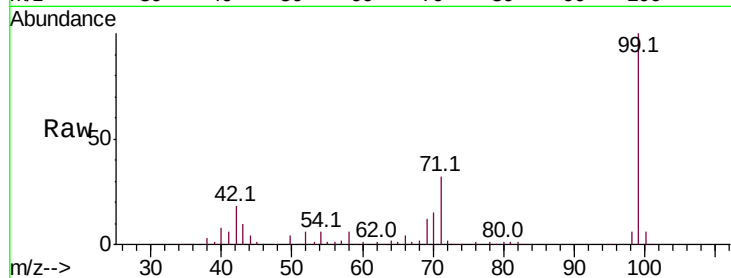
ClientSampleId :

132-1-VOLT

Tot Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

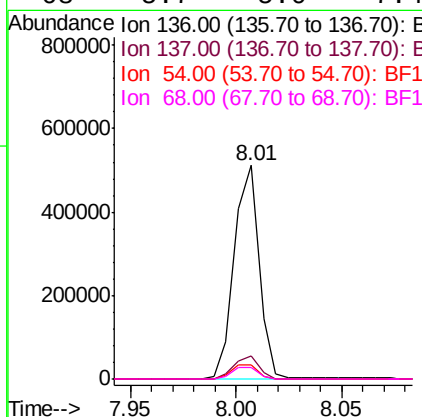
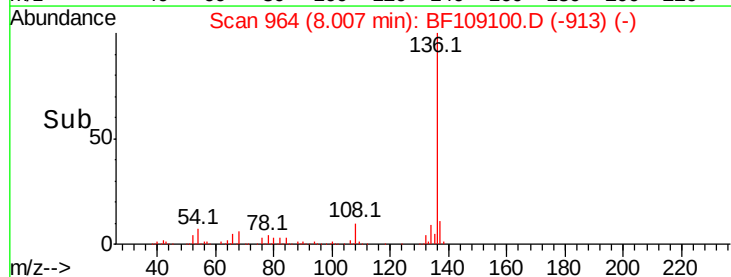
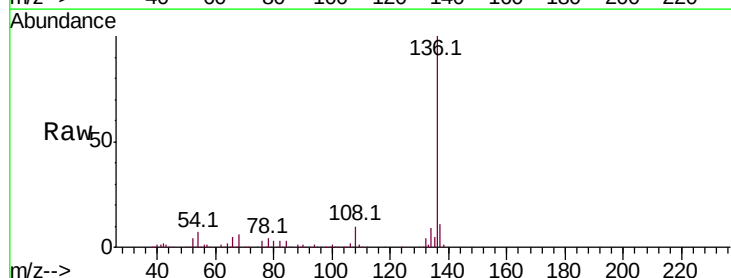
RT: 8.01 min Scan# 964

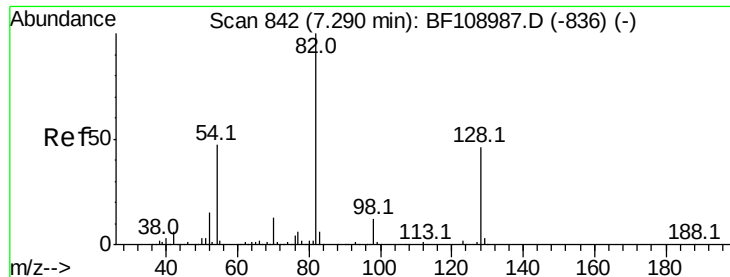
Delta R.T. -0.00 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	5.7	5.0	7.4





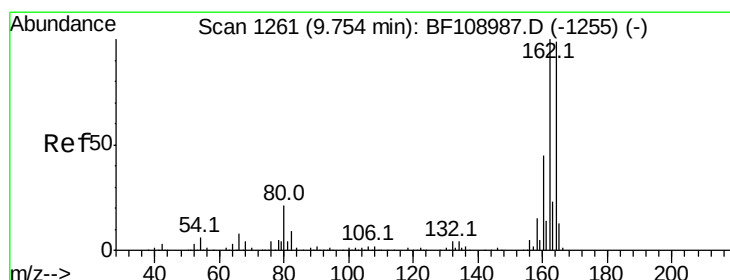
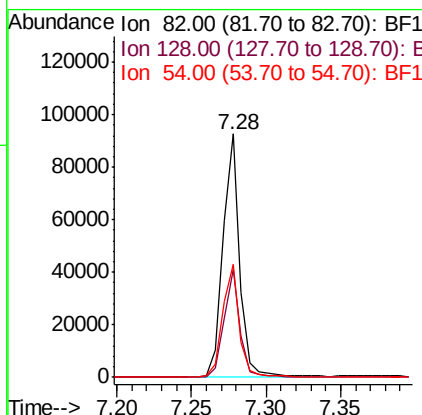
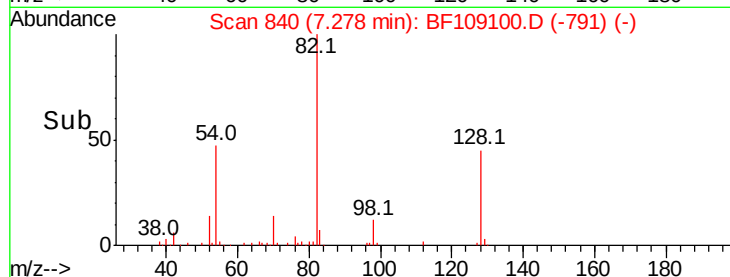
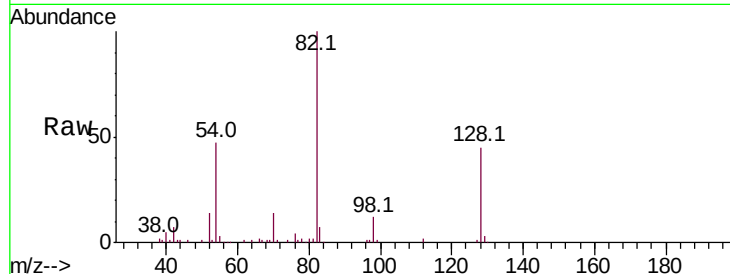
#23
 Nitrobenzene-d5
 Concen: 9.934 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 132-1-VOLT

Tot Ion:	82	Resp:	74055
Ion Ratio	Lower	Upper	
82	100		
128	44.5	36.1	54.1
54	46.6	41.4	62.2

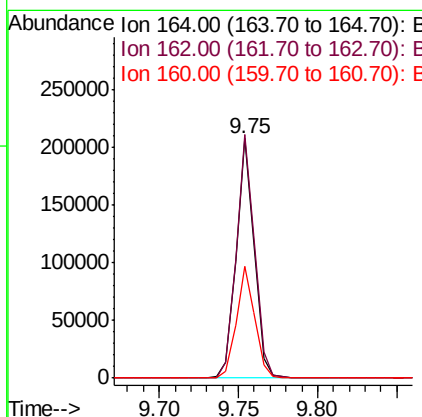
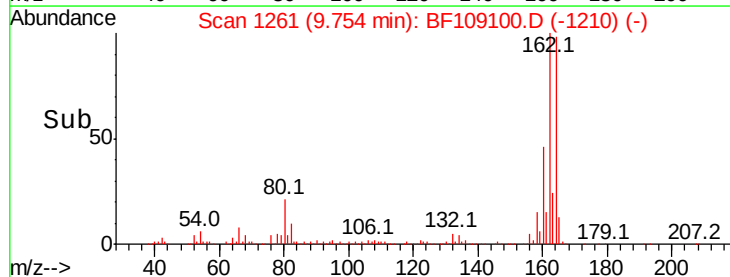
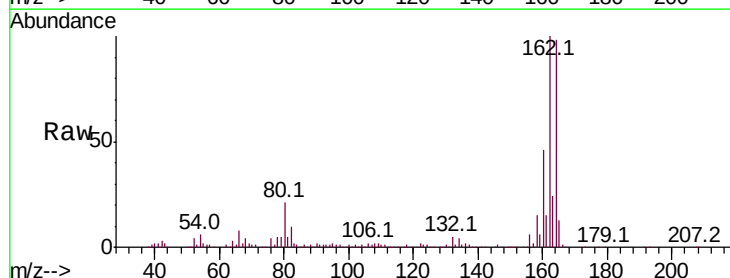
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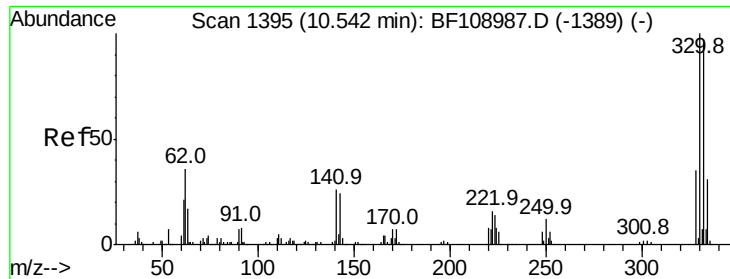
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion:	164	Resp:	164169
Ion Ratio	Lower	Upper	
164	100		
162	101.6	86.1	129.1
160	46.7	38.3	57.5





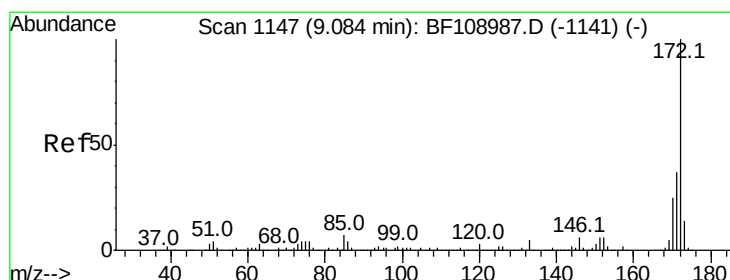
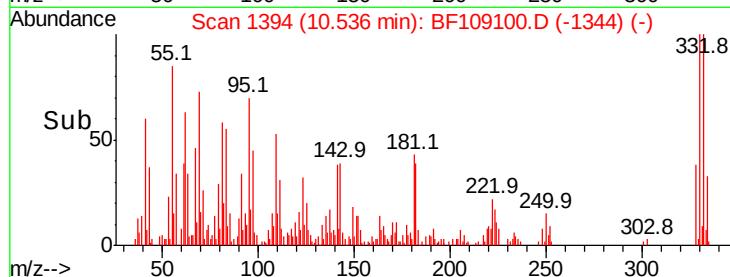
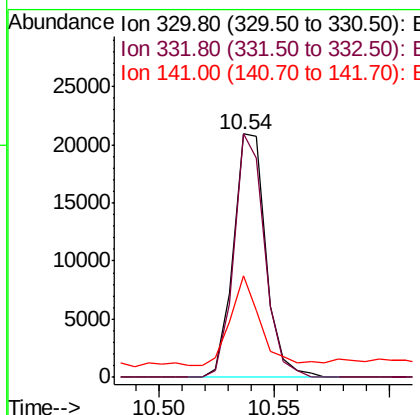
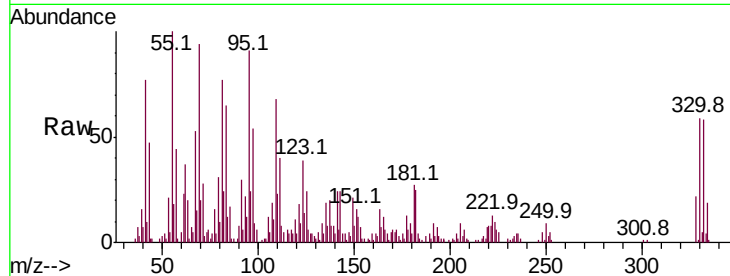
#41
 2,4,6-Tribromophenol
 Concen: 11.512 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Instrument :
 BNA_F
 ClientSampled :
 132-1-VOLT

Tot Ion	Ratio	Resp	Lower	Upper
330	100	20510		
332	93.9	77.0	115.6	
141	33.7	29.9	44.9	

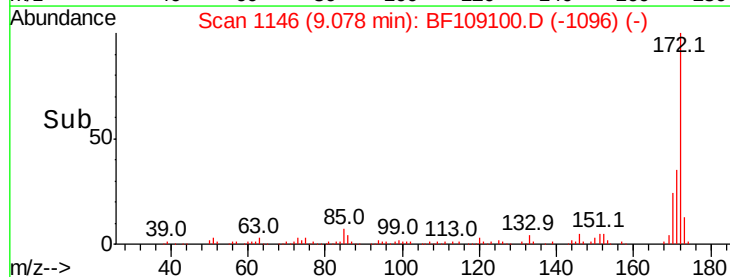
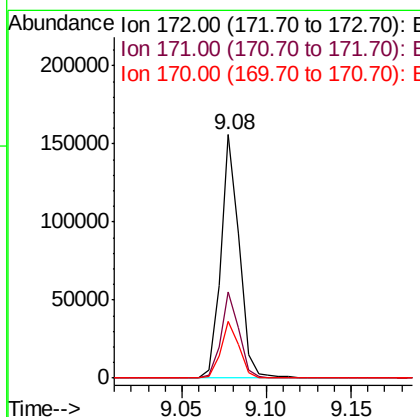
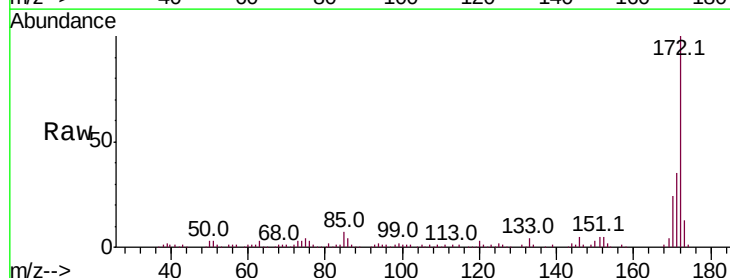
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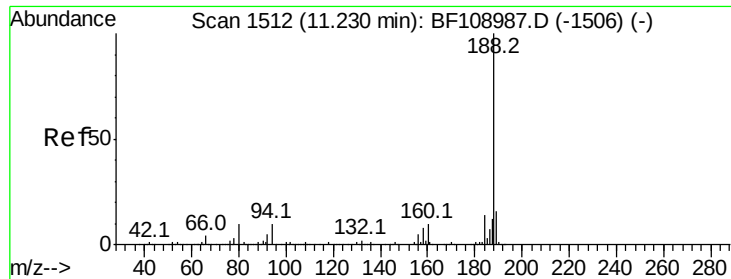
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#44
 2-Fluorobiphenyl
 Concen: 11.333 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	118750		
171	35.5	29.7	44.5	
170	23.5	19.6	29.4	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

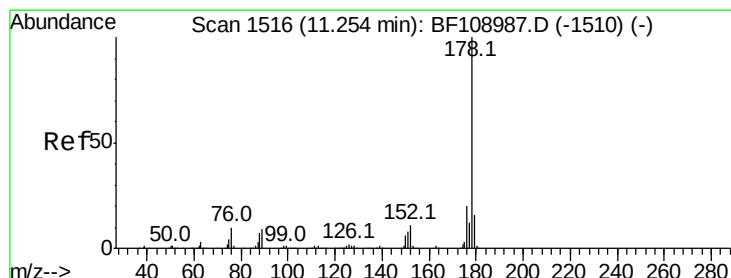
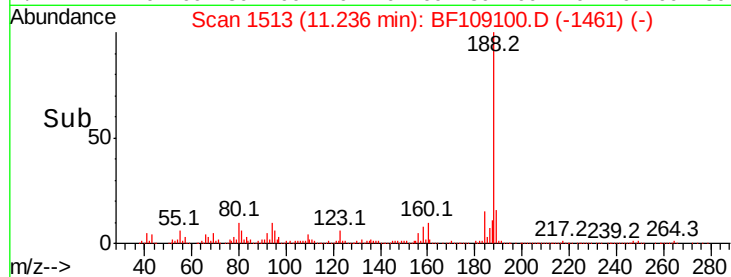
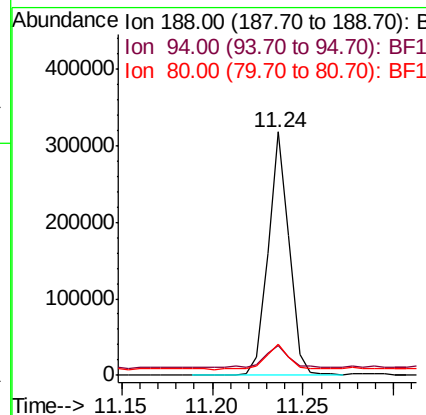
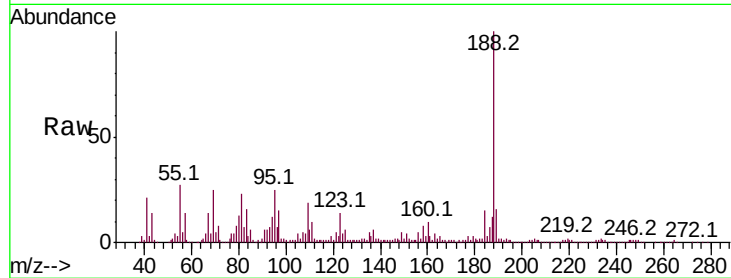
ClientSampled :

132-1-VOLT

Tot Ion:	188	Resp:	251914
Ion Ratio	Lower	Upper	
188	100		
94	12.1	8.5	12.7
80	12.6	9.2	13.8

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#70

Phenanthrene

Concen: 22.663 ng

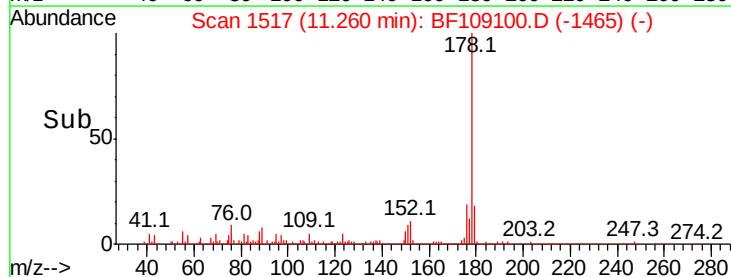
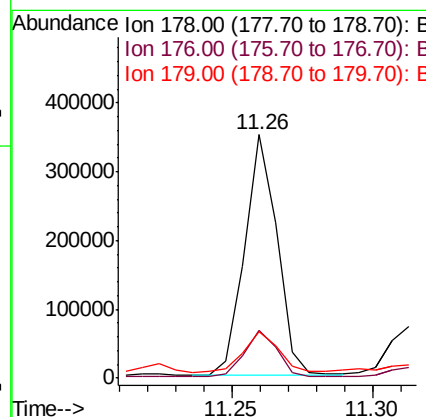
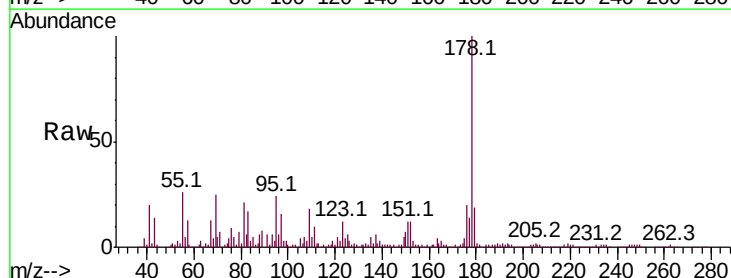
RT: 11.26 min Scan# 1517

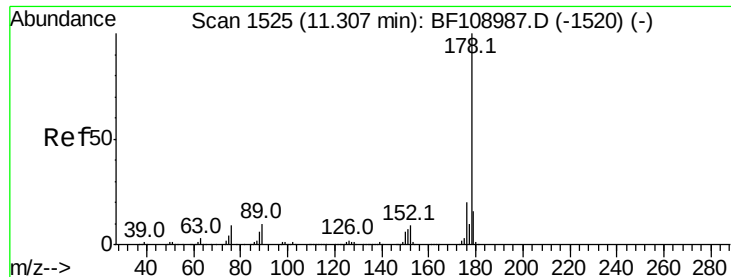
Delta R.T. 0.01 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Tgt Ion:	178	Resp:	279863
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	19.1	13.0	19.6





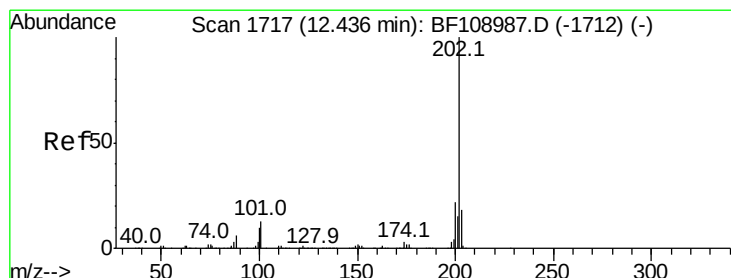
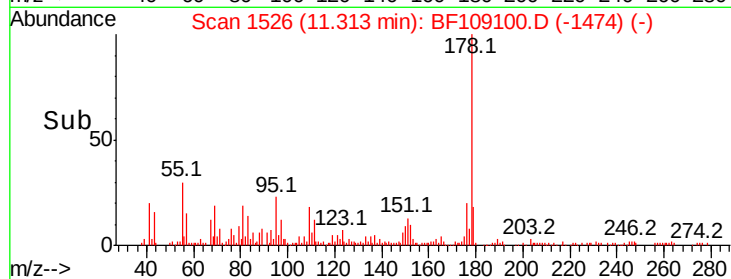
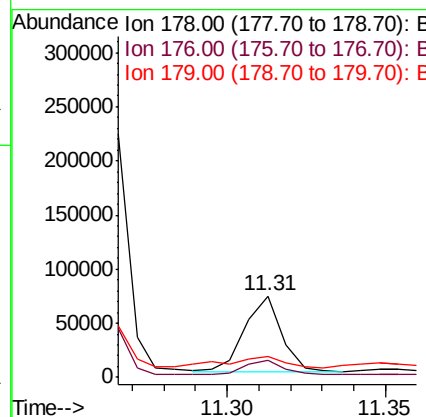
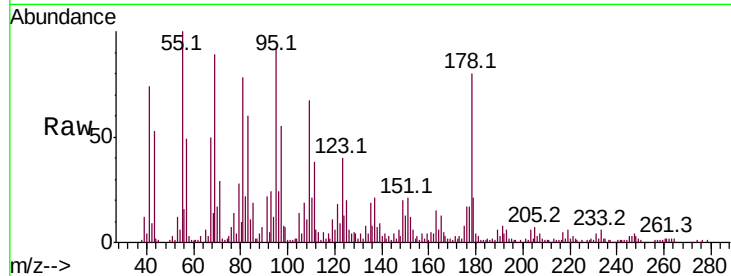
#71
 Anthracene
 Concen: 4.561 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 132-1-VOLT

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.4	23.2
179	25.6	12.6	19.0

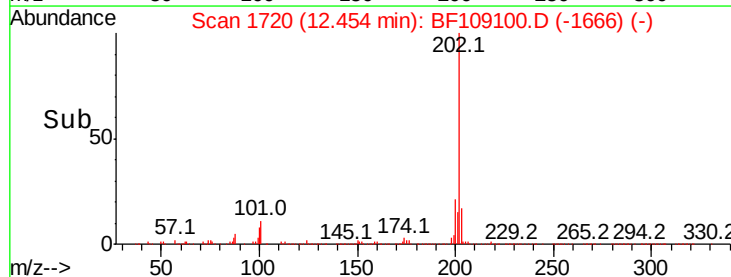
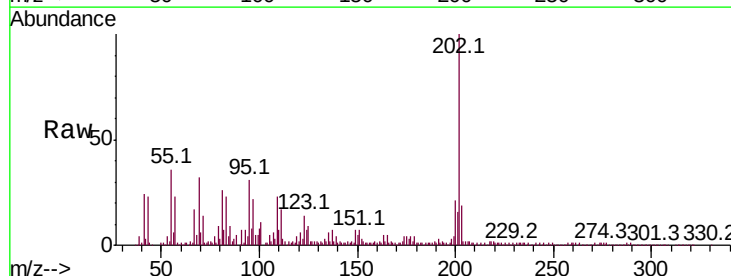
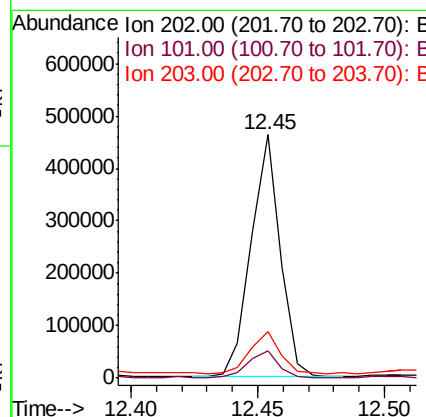
Manual Integrations
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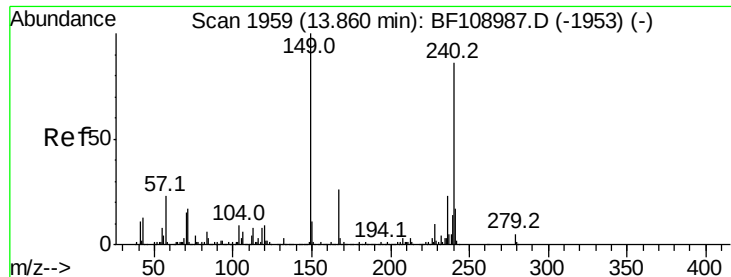
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#74
 Fluoranthene
 Concen: 28.257 ng
 RT: 12.45 min Scan# 1720
 Delta R.T. 0.02 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	19.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 1962

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

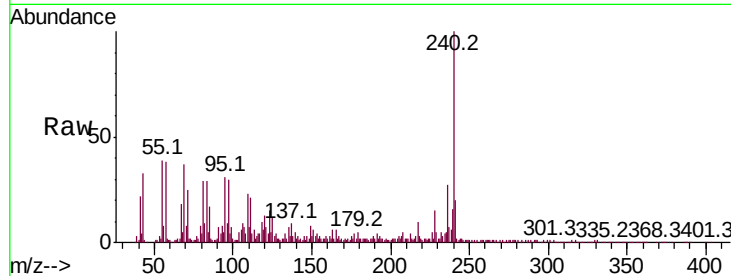
ClientSampleId :

132-1-VOLT

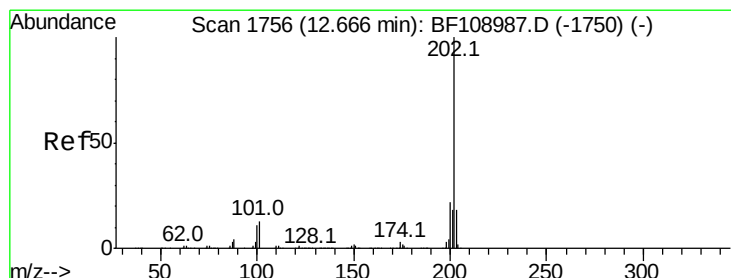
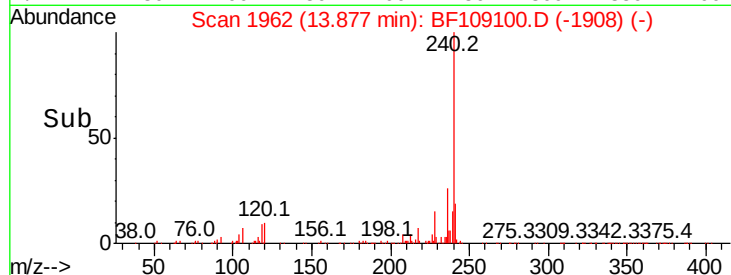
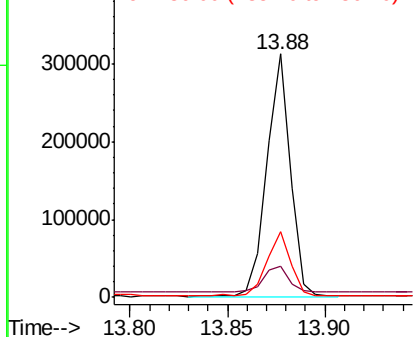
Tot Ion:	240	Resp:	259140
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	27.1	20.7	31.1

Manual Integrations
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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: 18.134 ng

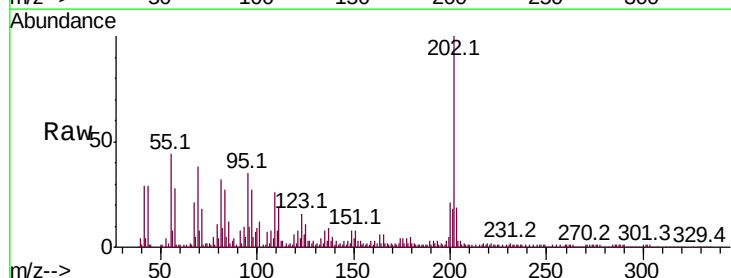
RT: 12.68 min Scan# 1759

Delta R.T. 0.02 min

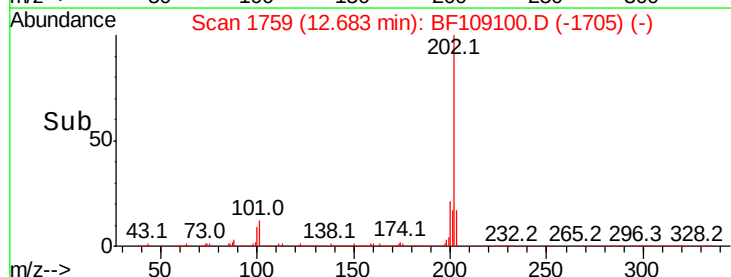
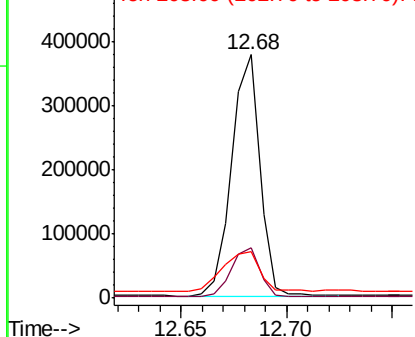
Lab File: BF109100.D

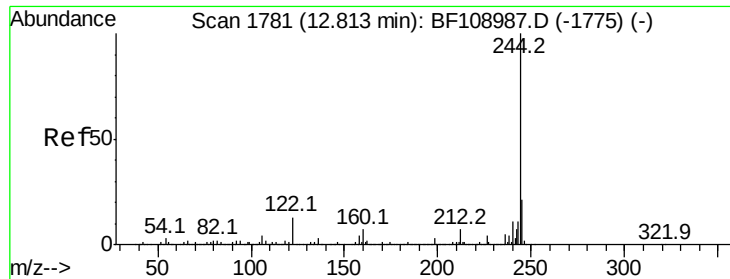
Acq: 18 Sep 2018 17:20

Tgt Ion:	202	Resp:	349060
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	19.0	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





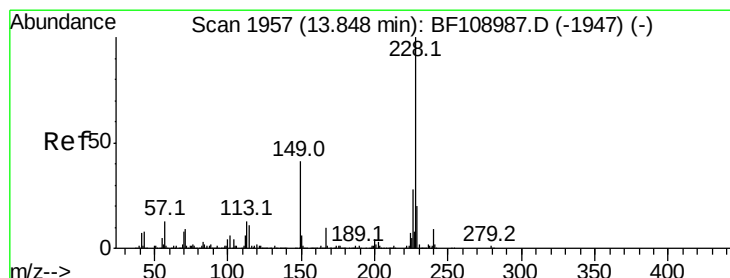
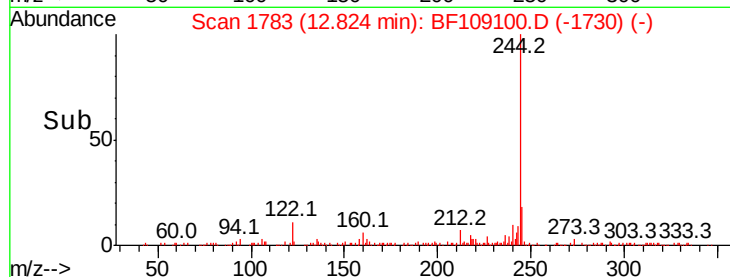
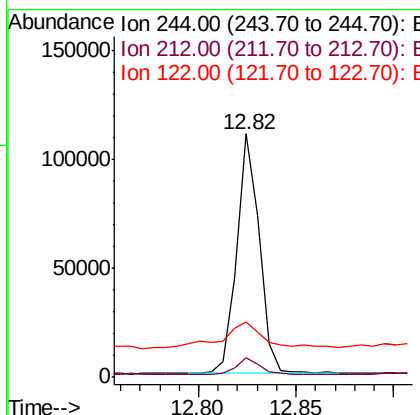
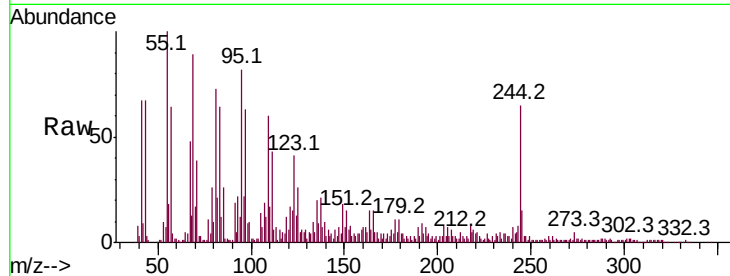
#78
 Terphenyl-d14
 Concen: 8.073 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Instrument :
 BNA_F
 ClientSampled :
 132-1-VOLT

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	5.4	8.0#
122	23.0	11.0	16.4#

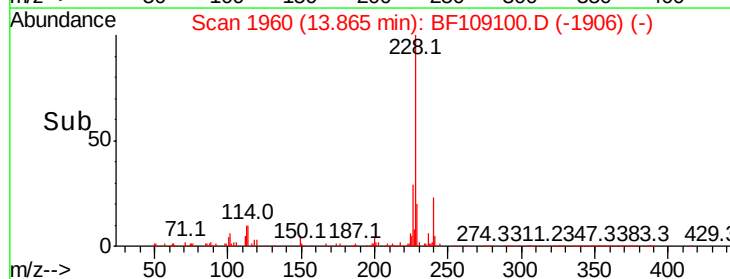
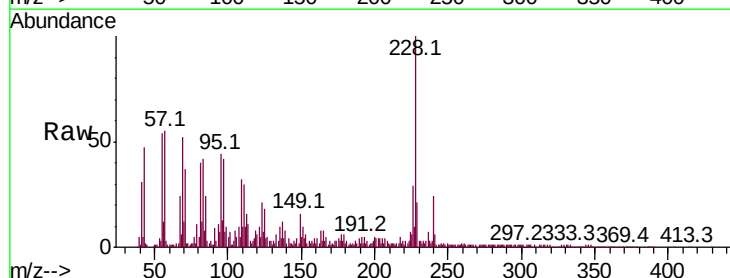
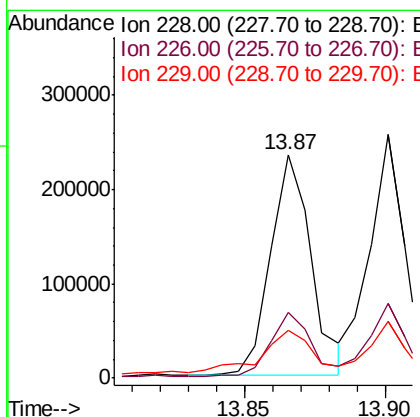
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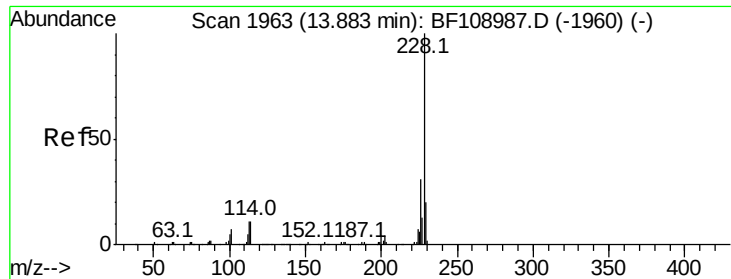
Sohil
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#80
 Benzo(a)anthracene
 Concen: 15.002 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. 0.02 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 13.895 ng

RT: 13.90 min Scan# 1966

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

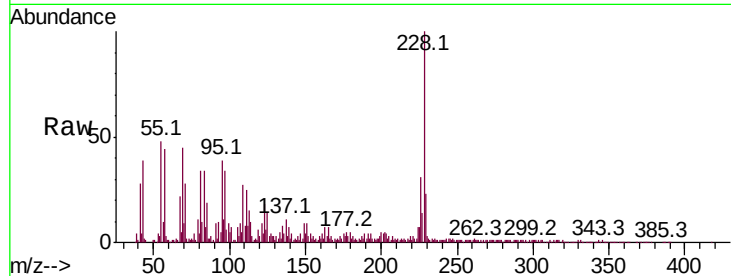
ClientSampled :

132-1-VOLT

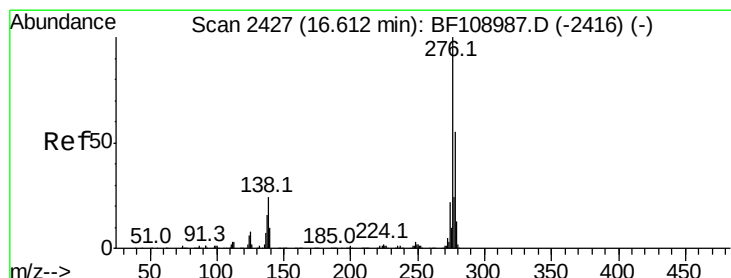
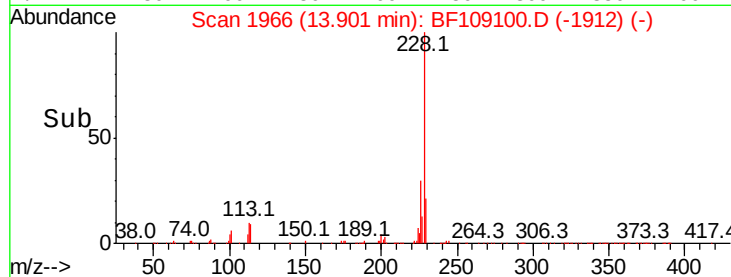
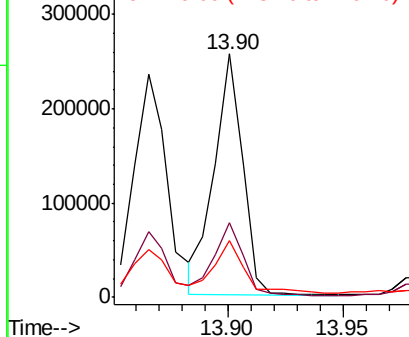
Tot Ion:	228	Resp:	218113
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	23.3	16.2	24.4

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.666 ng

RT: 16.62 min Scan# 2429

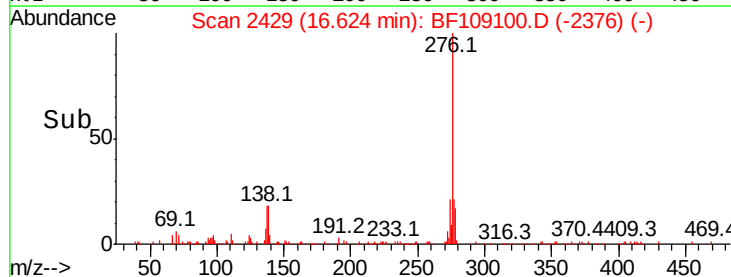
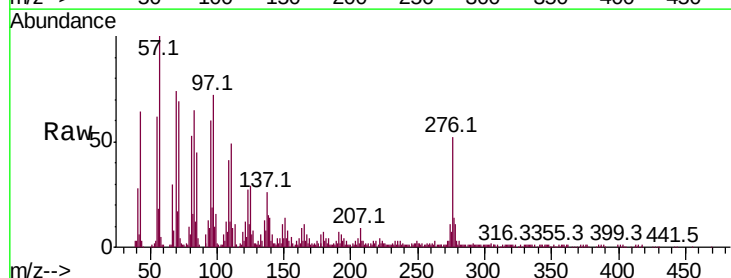
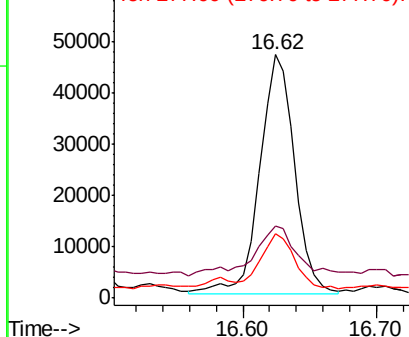
Delta R.T. 0.01 min

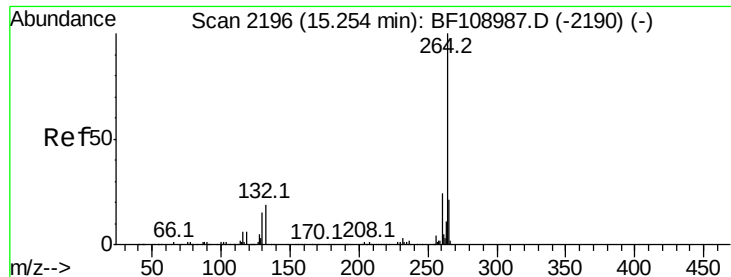
Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Tgt Ion:	276	Resp:	83661
Ion Ratio	Lower	Upper	
276	100		
138	23.5	25.0	37.6#
277	25.1	20.1	30.1

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





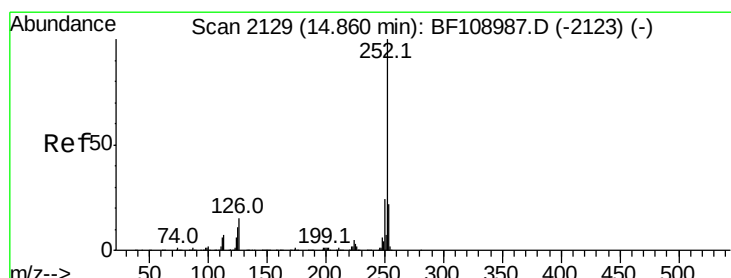
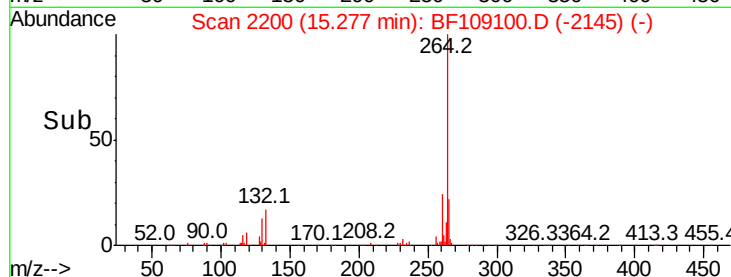
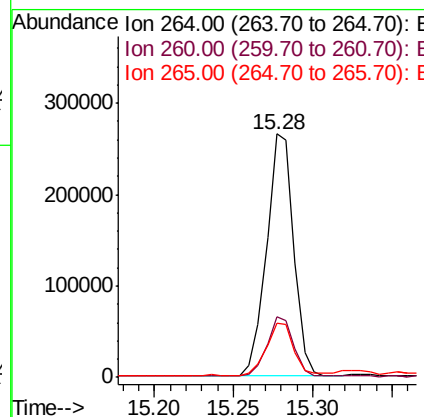
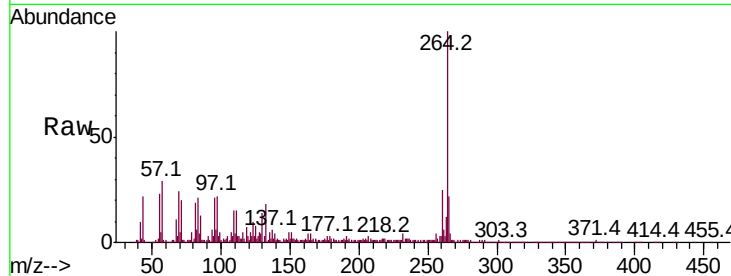
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Instrument :
BNA_F
ClientSampleId :
132-1-VOLT

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.8	19.2	28.8	
265	22.5	17.5	26.3	

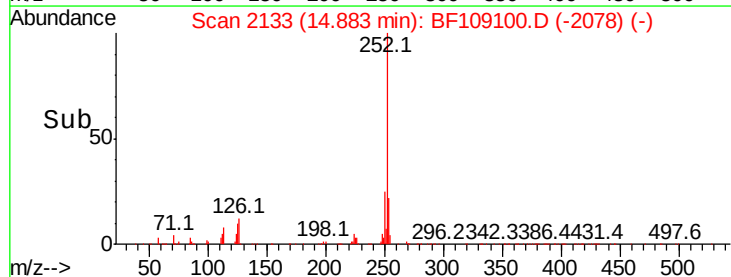
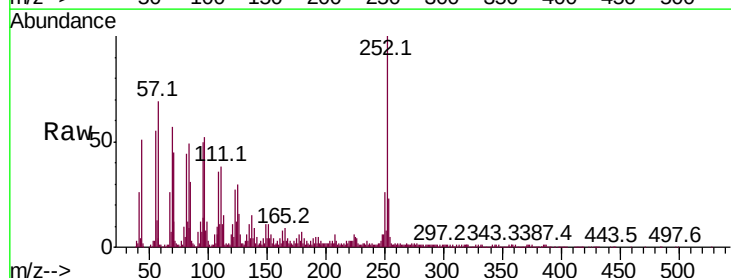
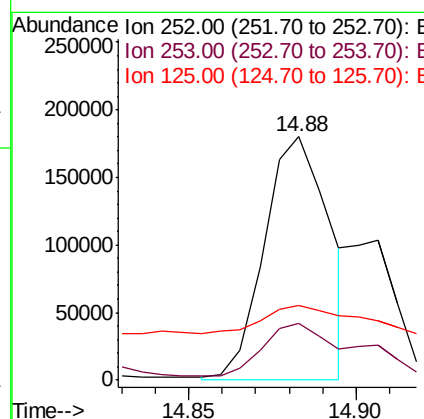
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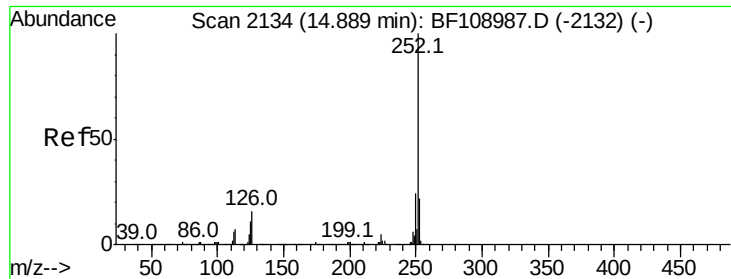
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#87
Benzo(b)fluoranthene
Concen: 13.783 ng m
RT: 14.88 min Scan# 2133
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.0	25.6	
125	30.5	9.0	13.6	





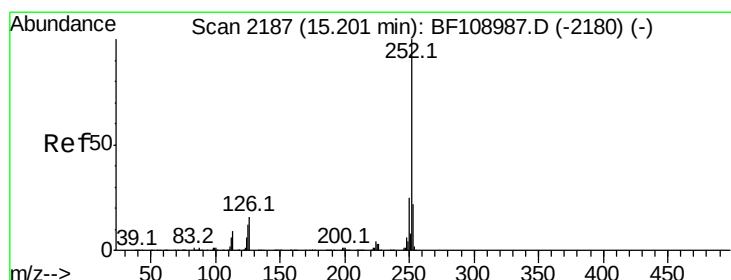
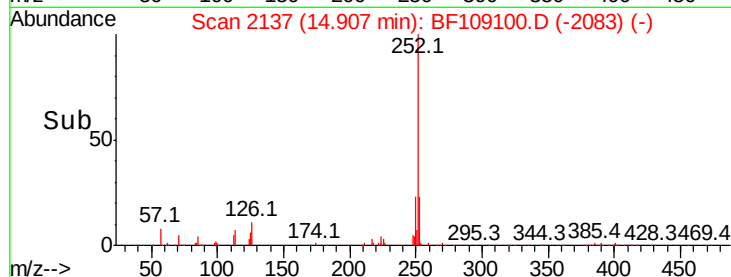
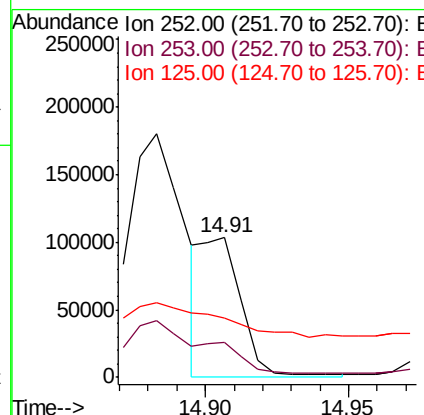
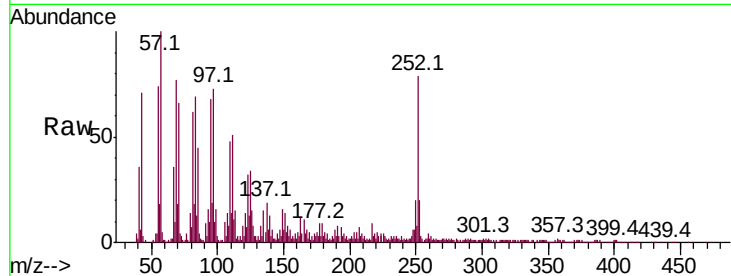
#88
Benzo(k)fluoranthene
Concen: 6.038 ng m
RT: 14.91 min Scan# 2137
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Instrument :
BNA_F
ClientSampleId :
132-1-VOLT

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	42.7	10.2	15.2

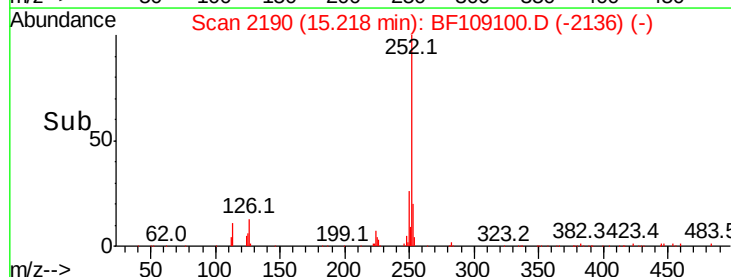
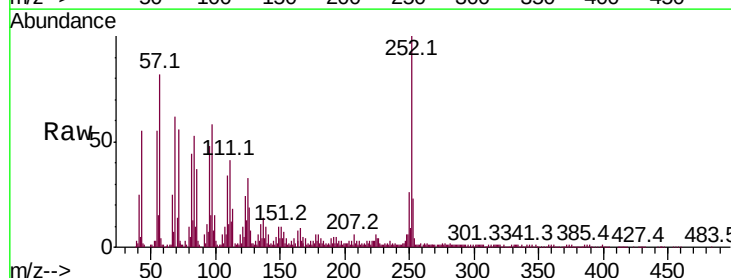
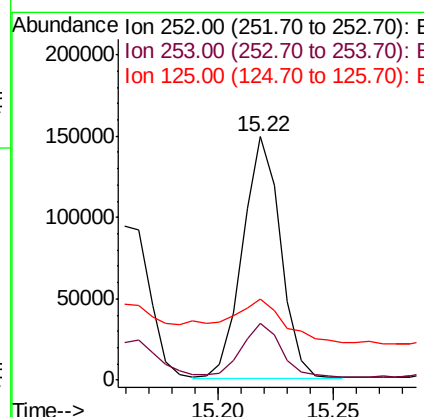
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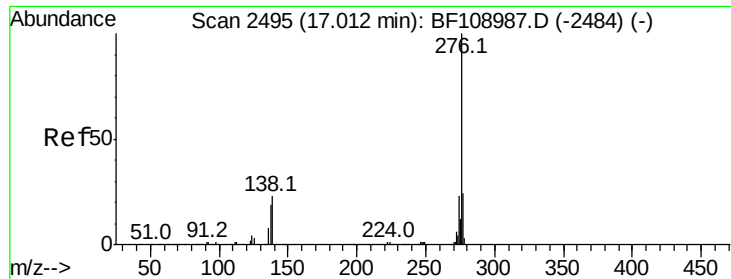
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#89
Benzo(a)pyrene
Concen: 10.819 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	33.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.698 ng
 RT: 17.03 min Scan# 2498
 Delta R.T. 0.02 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 132-1-VOLT

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9#
138	34.0	21.8	32.8#

Manual Integrations
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