

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100936.D
 Acq On : 28 Nov 2017 16:19
 Operator : SJ/JU
 Sample : I6579-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-4-E(7-8)

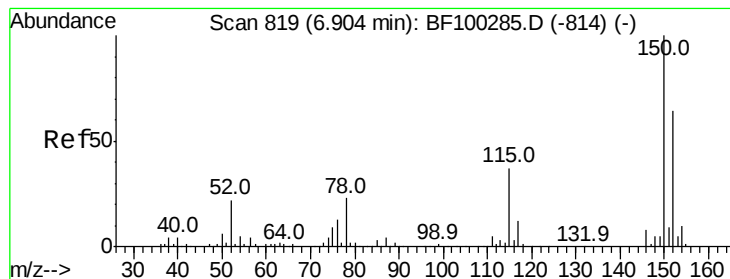
Manual Integrations
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Quant Time: Nov 29 06:49:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	59494	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	224757	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	97624	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	150532	20.00	ng	0.00
75) Chrysene-d12	14.02	240	136171	20.00	ng	0.00
86) Perylene-d12	15.50	264	143927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	335813	90.48	ng	0.00
7) Phenol-d6	6.49	99	413474	90.34	ng	0.00
23) Nitrobenzene-d5	7.42	82	248729	73.16	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	90244	90.72	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	488338	76.17	ng	0.00
78) Terphenyl-d14	12.96	244	348937	58.88	ng	0.00
Target Compounds						
10) Phenol	6.50	94	9972	2.076	ng	Qvalue 90
48) Acenaphthylene	9.76	152	73427	7.233	ng	99
49) Dimethylphthalate	9.60	163	20533	2.755	ng	98
70) Phenanthrene	11.40	178	48939	6.175	ng	98
71) Anthracene	11.46	178	23680	2.945	ng	97
74) Fluoranthene	12.59	202	85945	10.232	ng	94
77) Pyrene	12.82	202	82842	8.534	ng	98
80) Benzo(a)anthracene	14.01	228	57725m	7.039	ng	
82) Chrysene	14.04	228	51755	6.518	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	61154	9.521	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	102533m	12.025	ng	
88) Benzo(k)fluoranthene	15.09	252	33065m	4.104	ng	
89) Benzo(a)pyrene	15.43	252	77945	10.311	ng	95
90) Dibenzo(a,h)anthracene	16.97	278	15398m	2.491	ng	
91) Benzo(a,h,i)perylene	17.42	276	95939	15.853	ng	# 94

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



#1

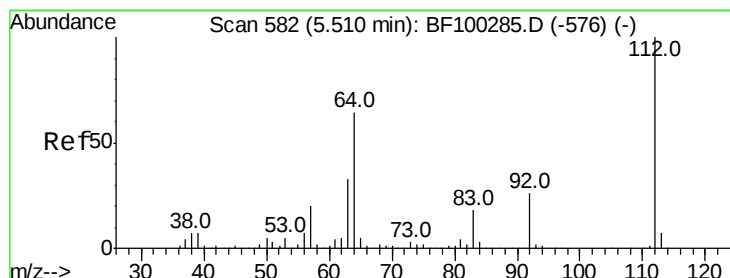
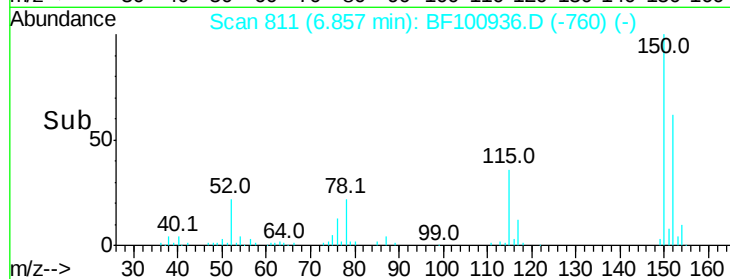
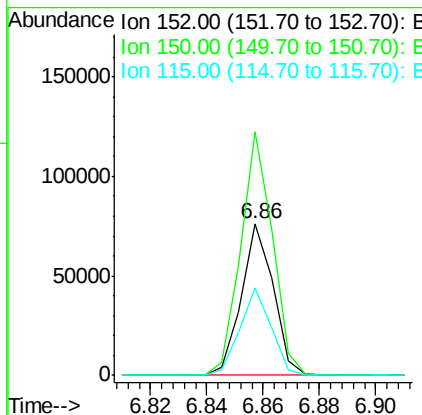
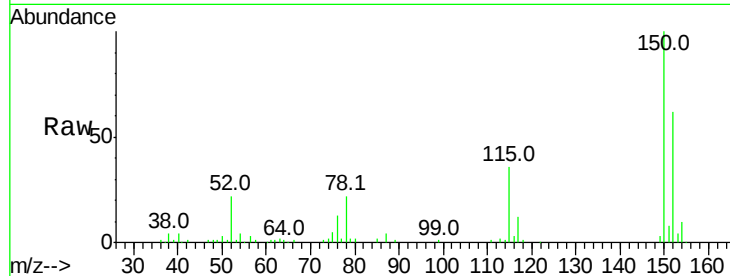
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	57.5	50.1	75.1

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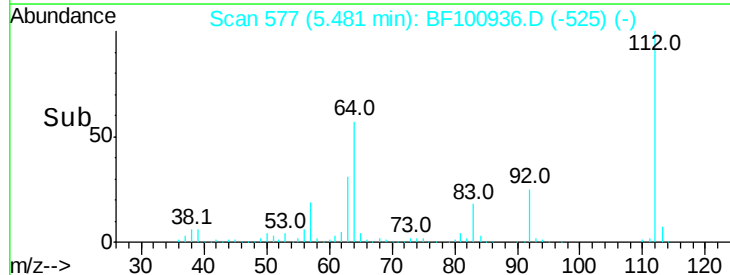
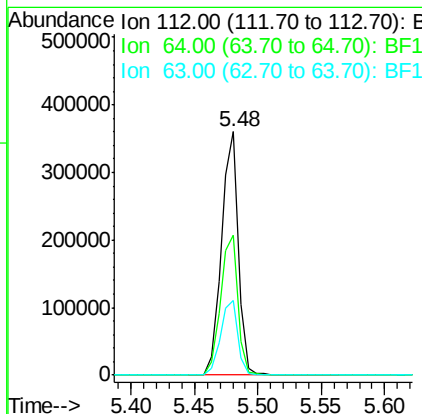
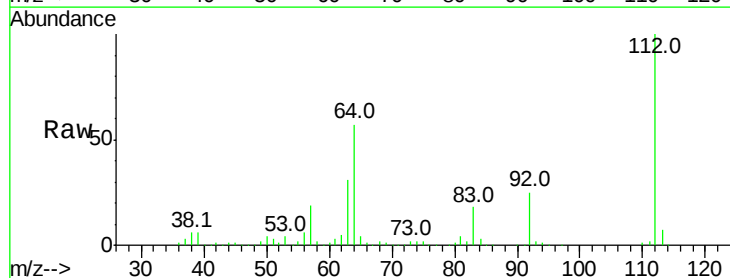
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#5

2-Fluorophenol
Concen: 90.480 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 90.343 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Instrument :

BNA_F

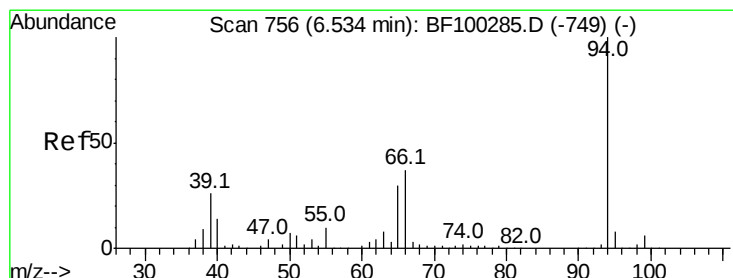
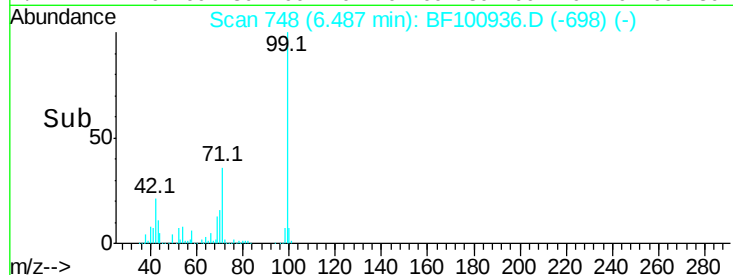
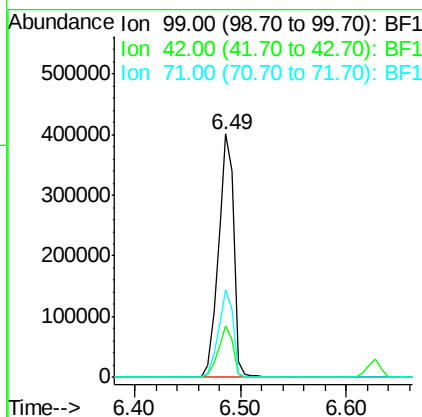
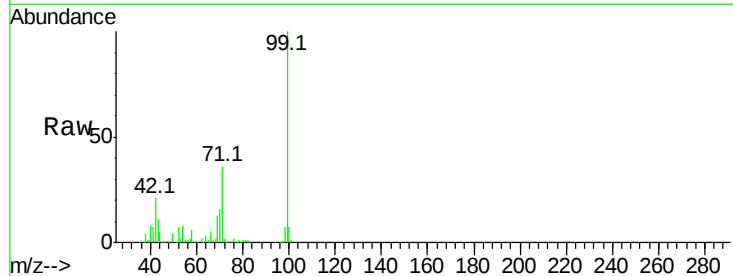
ClientSampleId :

HAR-4-E(7-8)

Tot Ion:	99	Resp:	413474
Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	36.1	25.4	38.0

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#10

Phenol

Concen: 2.076 ng

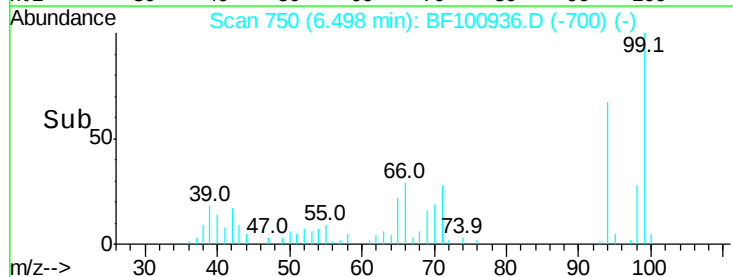
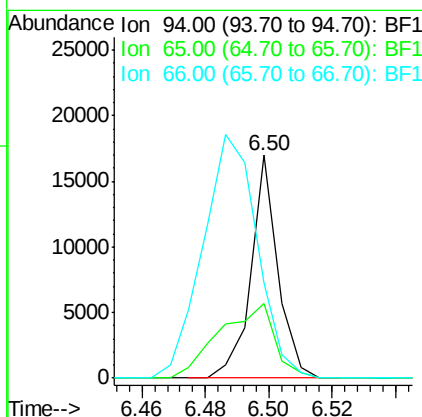
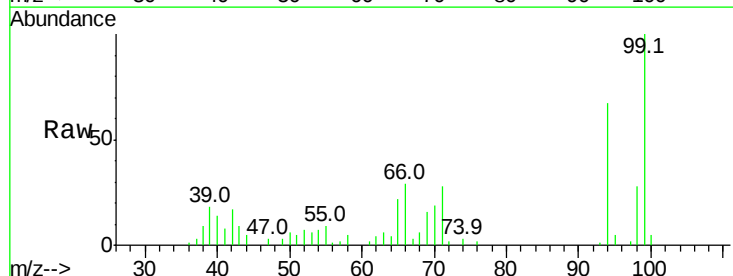
RT: 6.50 min Scan# 750

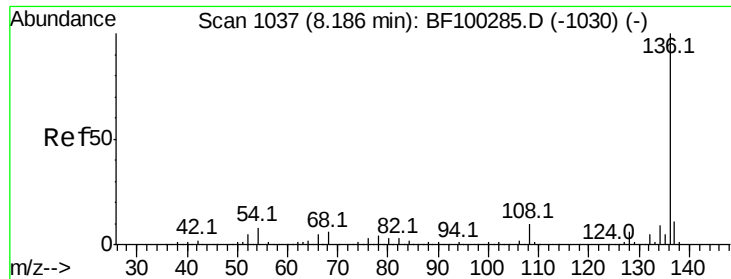
Delta R.T. -0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Tgt Ion:	94	Resp:	9972
Ion	Ratio	Lower	Upper
94	100		
65	33.3	7.9	47.9
66	42.4	16.2	56.2





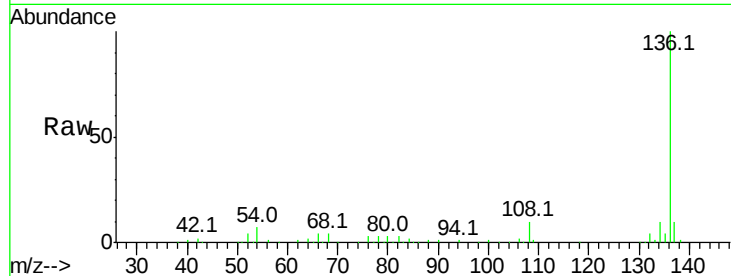
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

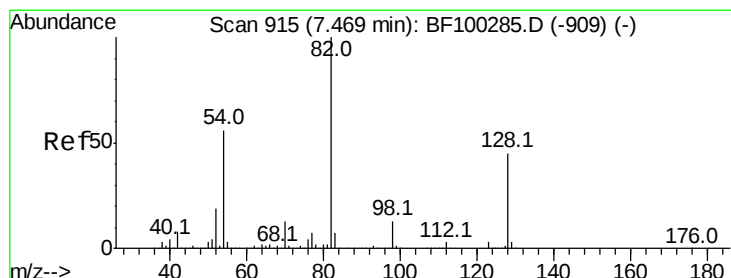
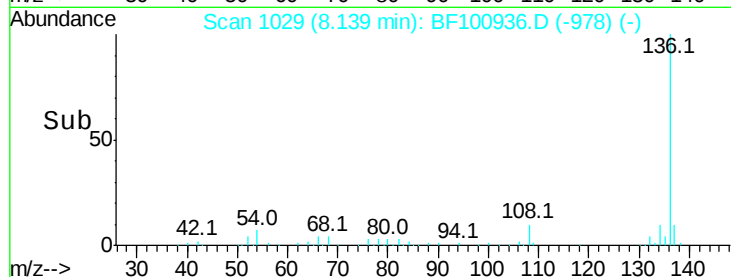
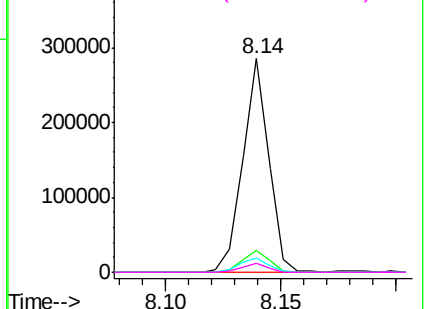
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.2	8.9	13.3	
54	6.8	6.6	9.8	
68	4.2	5.0	7.4	

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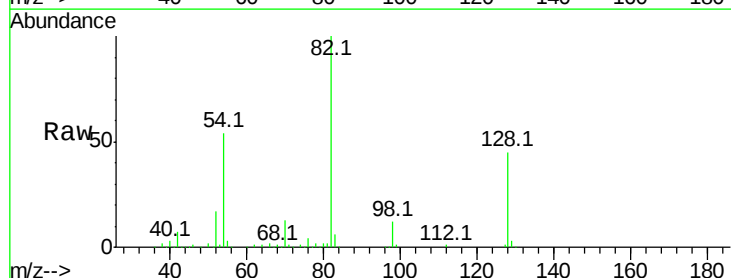


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

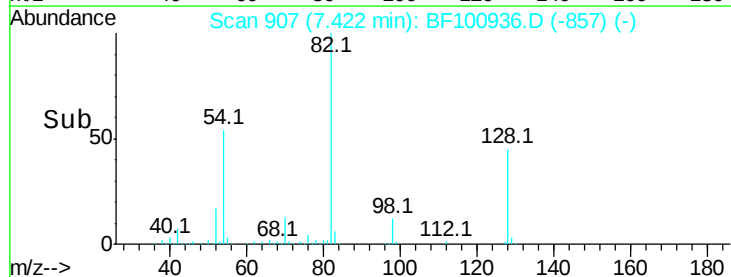
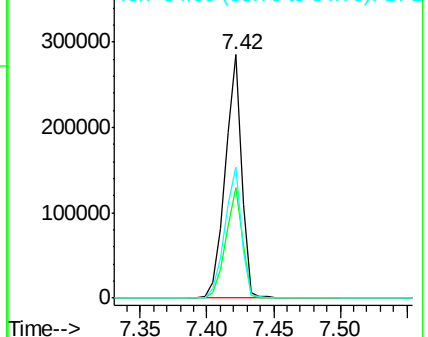


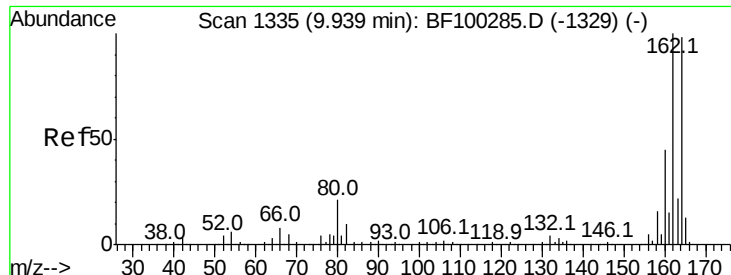
#23
Nitrobenzene-d5
Concen: 73.165 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	36.1	54.1	
54	53.8	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





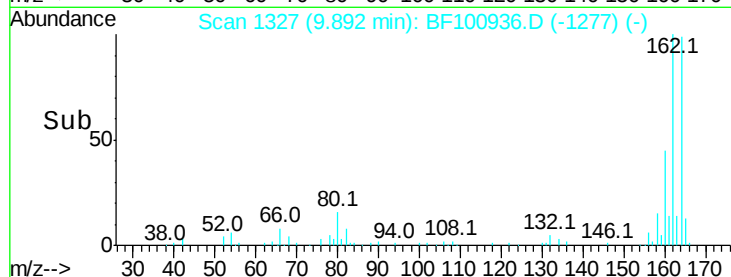
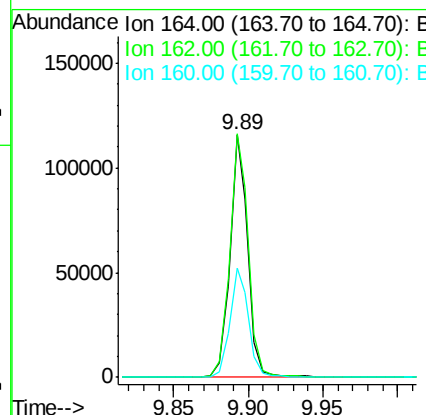
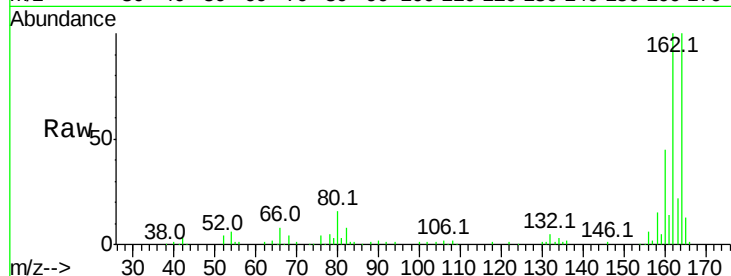
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	86.1	129.1
160	45.1	38.3	57.5

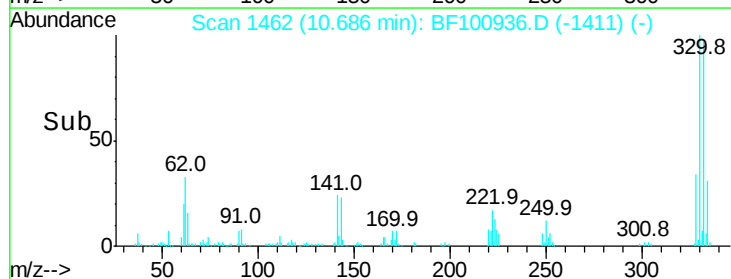
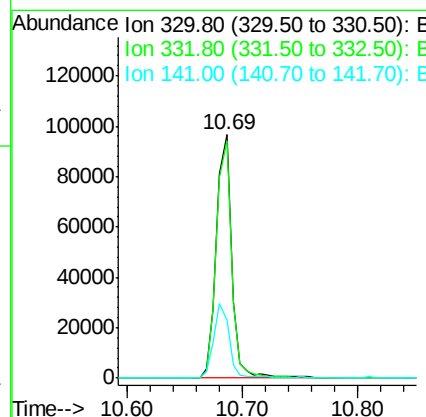
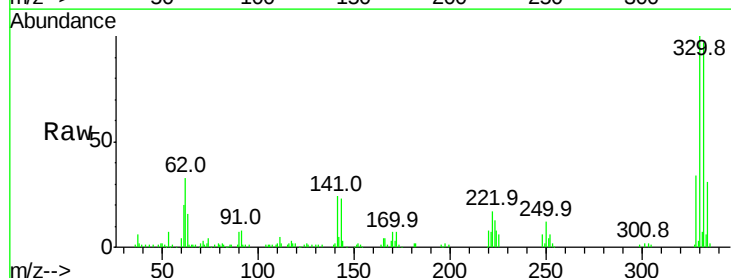
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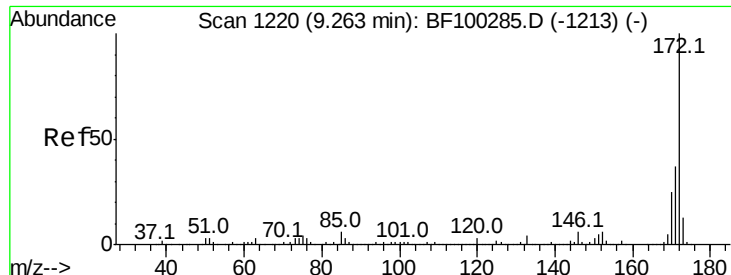
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#41
2,4,6-Tribromophenol
Concen: 90.717 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	31.3	29.9	44.9





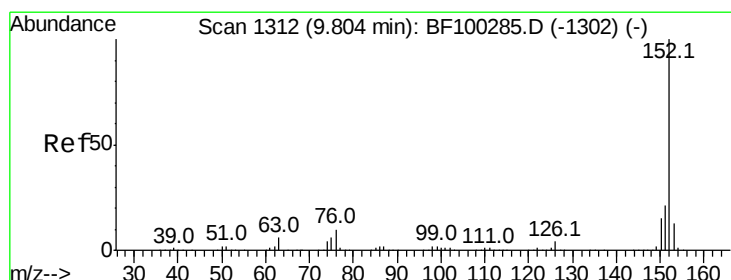
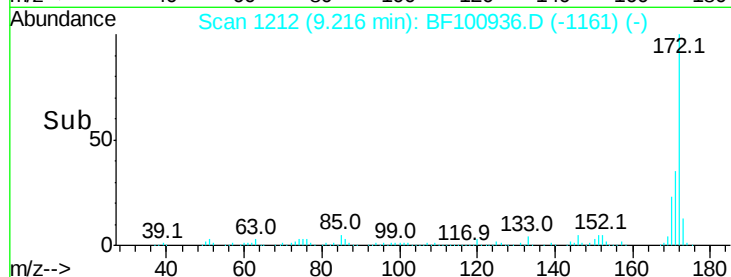
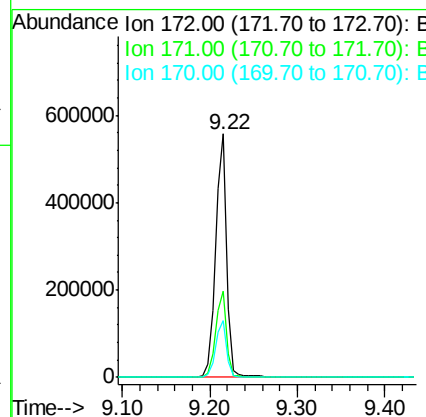
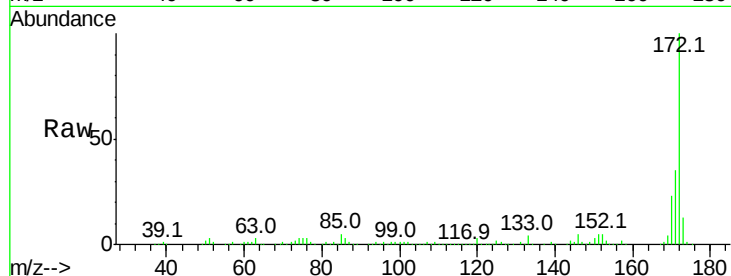
#44
2-Fluorobiphenyl
Concen: 76.170 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	488338		
171	35.4		29.7	44.5
170	23.5		19.6	29.4

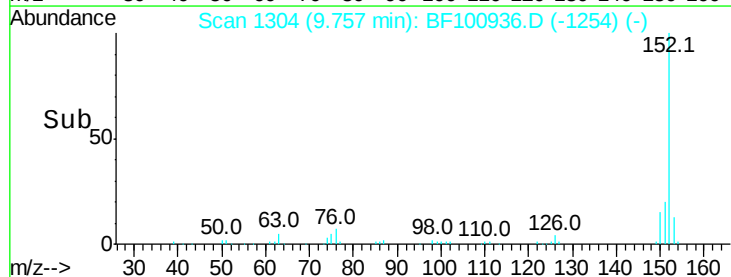
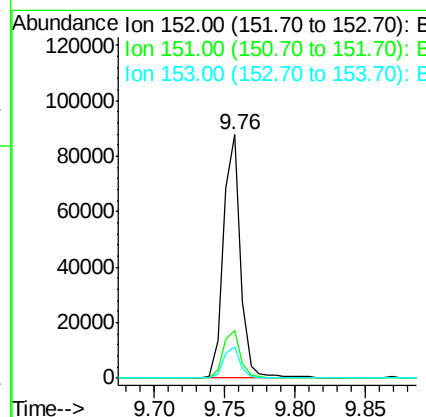
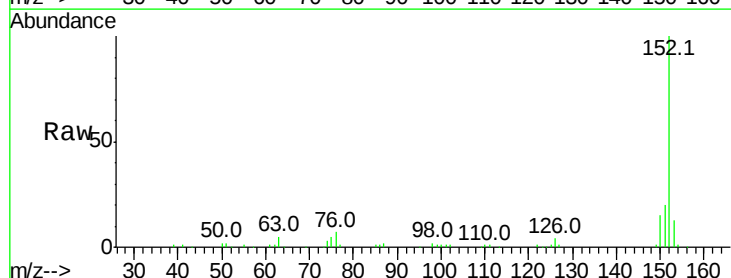
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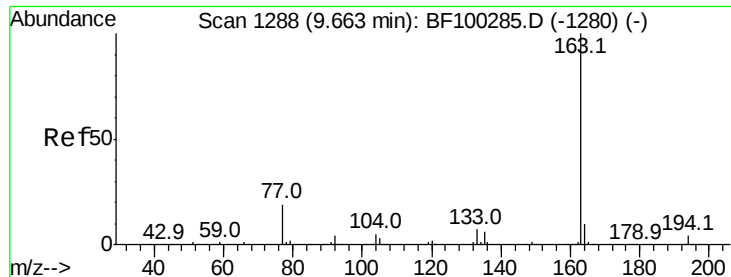
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#48
Acenaphthylene
Concen: 7.233 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	73427		
151	19.9		16.3	24.5
153	12.9		10.7	16.1





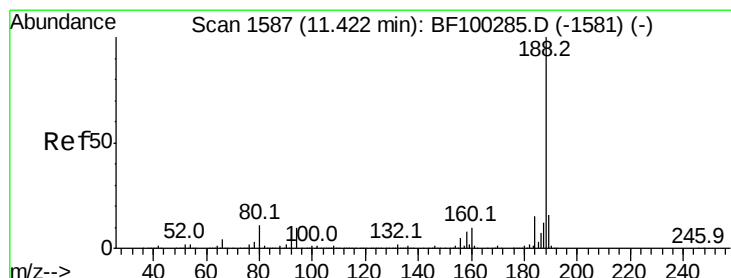
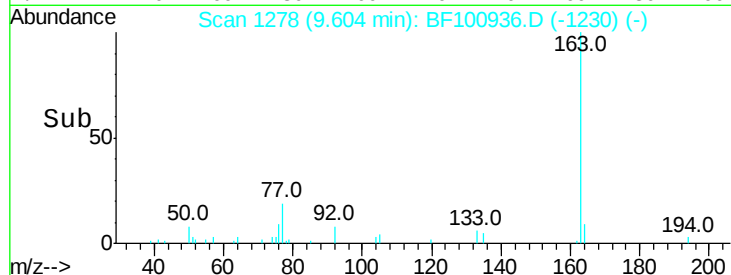
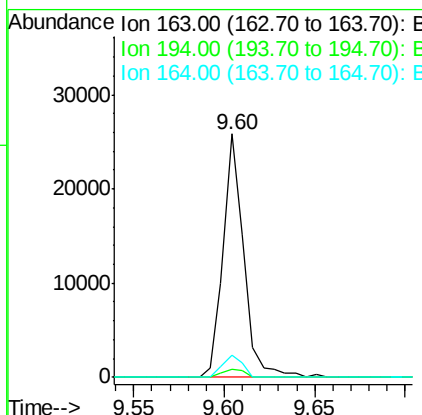
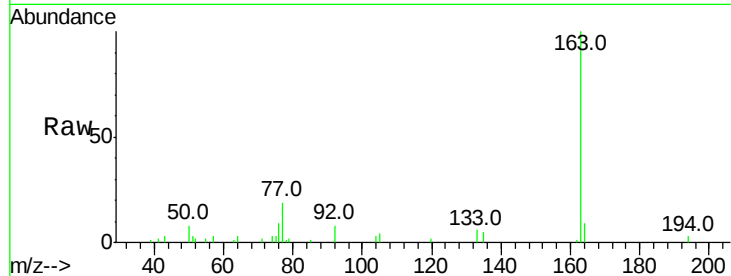
#49
Dimethylphthalate
Concen: 2.755 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	20533		
194	3.5		2.7	4.1
164	9.3		8.2	12.2

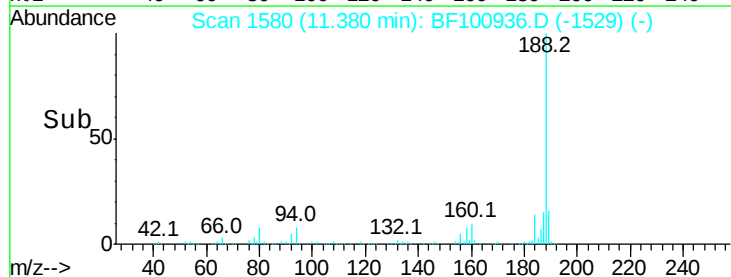
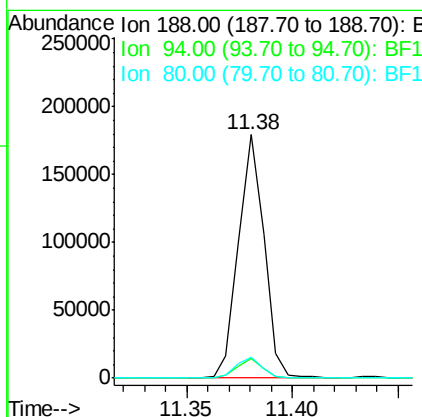
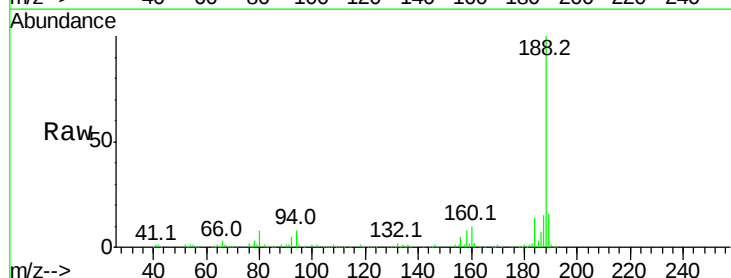
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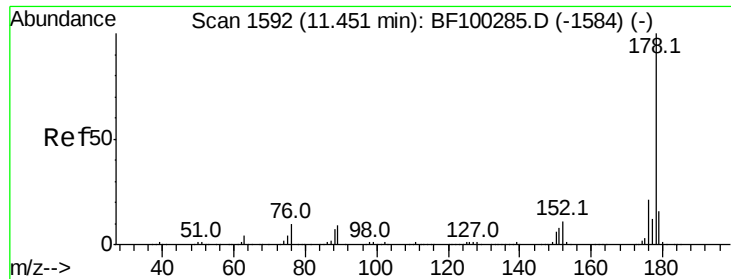
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	150532		
94	8.2		8.5	12.7#
80	8.3		9.2	13.8#





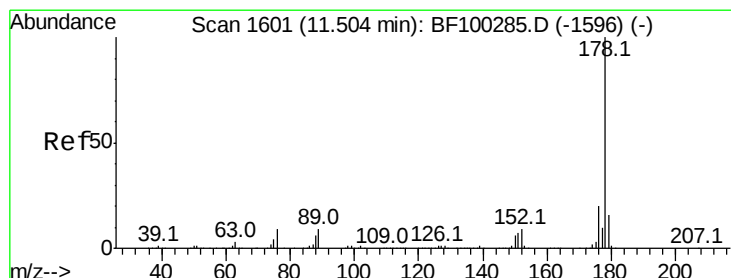
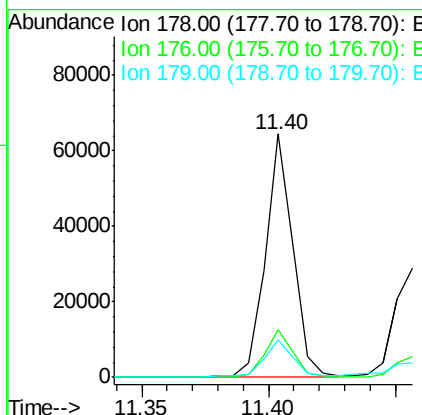
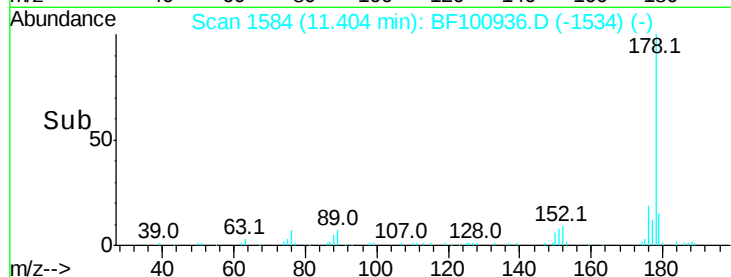
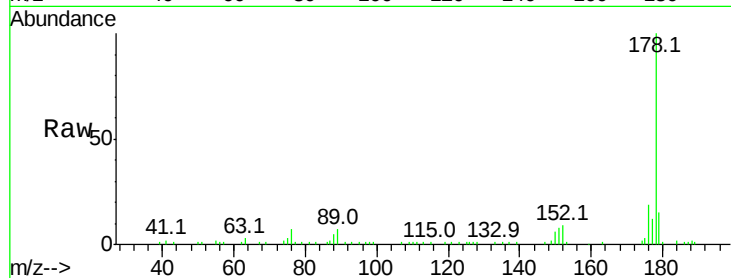
#70
Phenanthrene
Concen: 6.175 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6

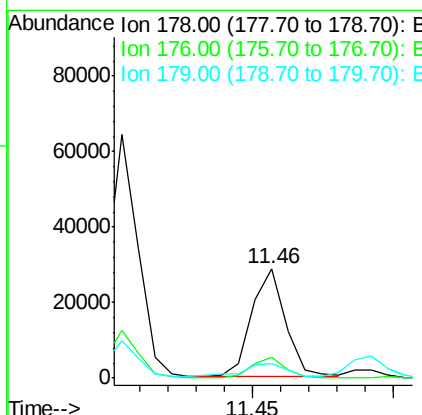
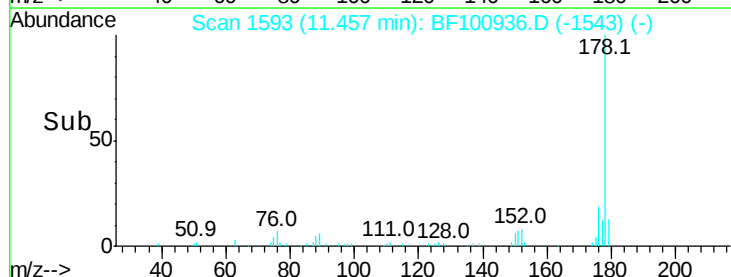
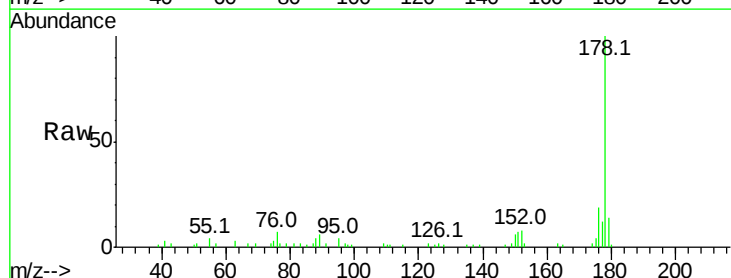
Manual Integrations
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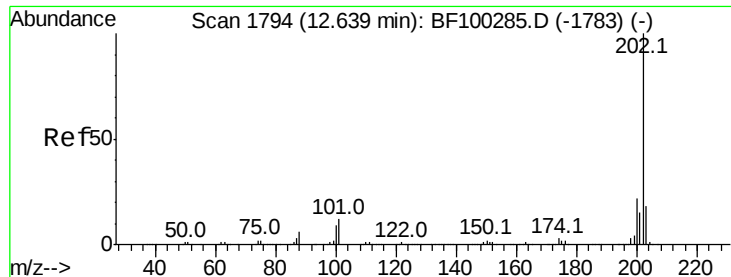
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#71
Anthracene
Concen: 2.945 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	13.8	12.6	19.0





#74

Fluoranthene

Concen: 10.232 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Instrument :

BNA_F

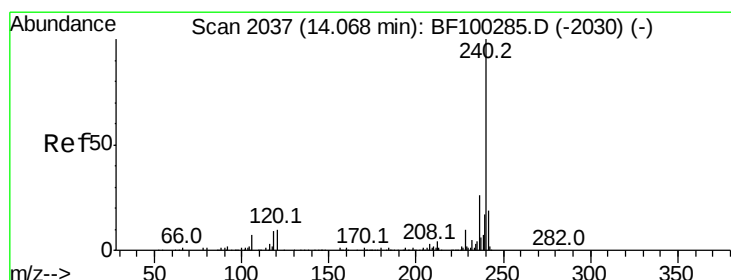
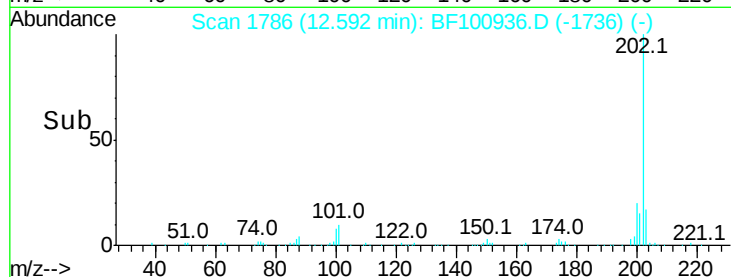
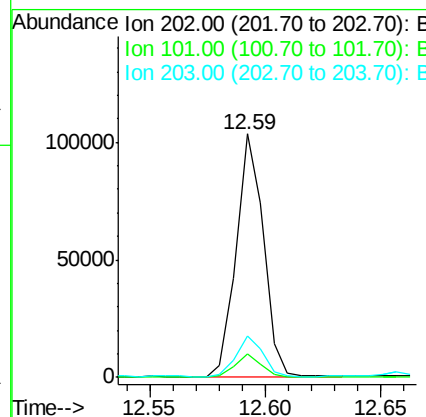
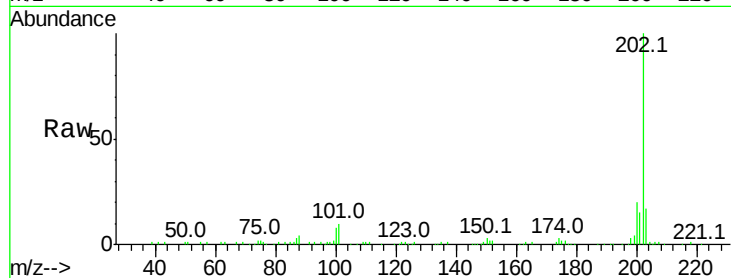
ClientSampleId :

HAR-4-E(7-8)

Tot Ion:	202	Resp:	85945
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	34.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

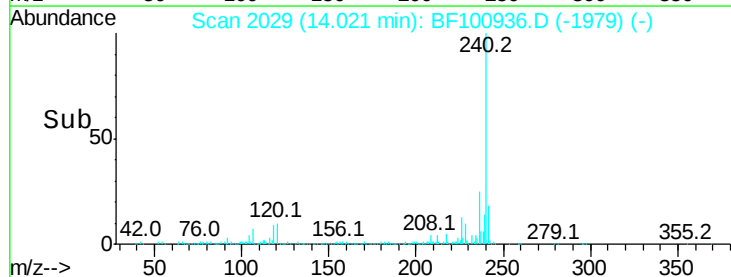
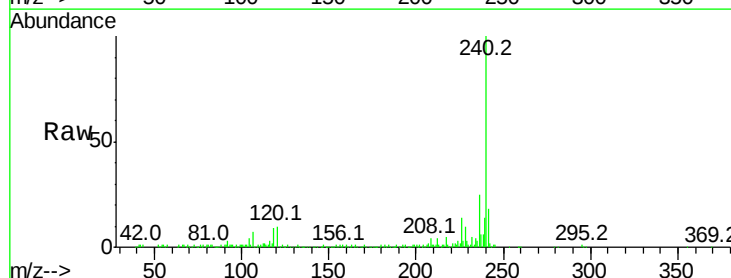
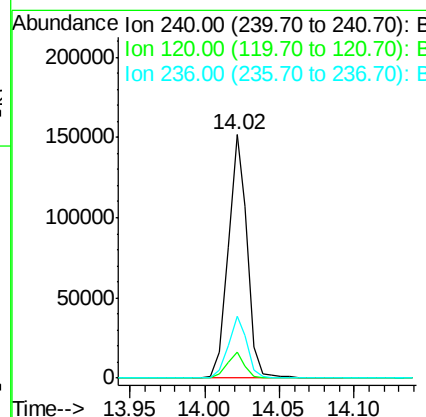
RT: 14.02 min Scan# 2029

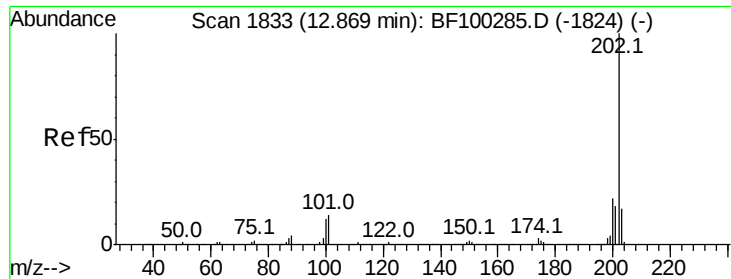
Delta R.T. -0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Tgt Ion:	240	Resp:	136171
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	25.2	20.7	31.1





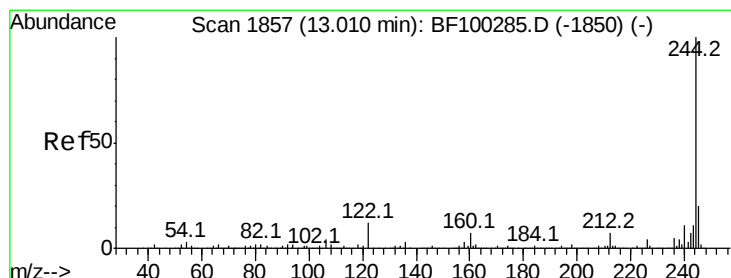
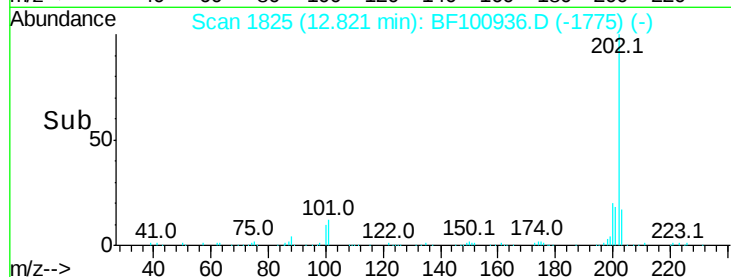
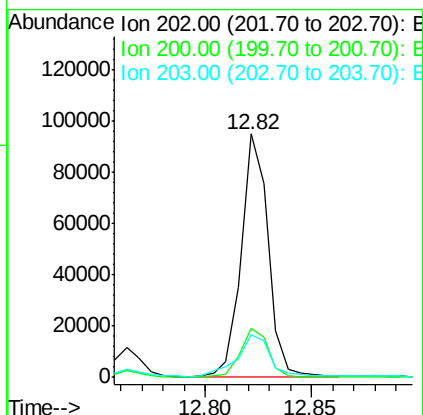
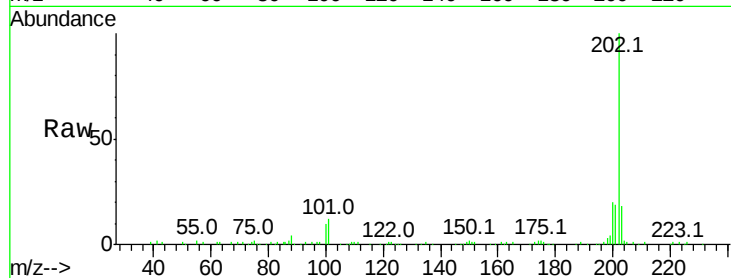
#77
Pvrene
Concen: 8.534 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.8	14.3	21.5

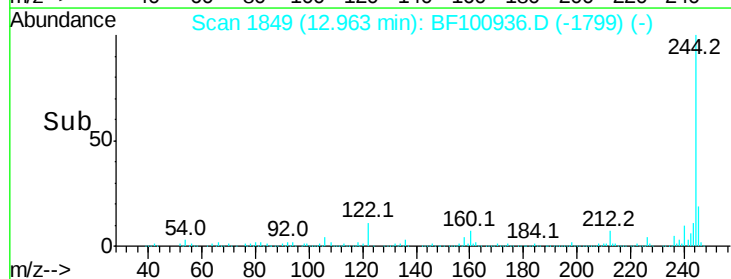
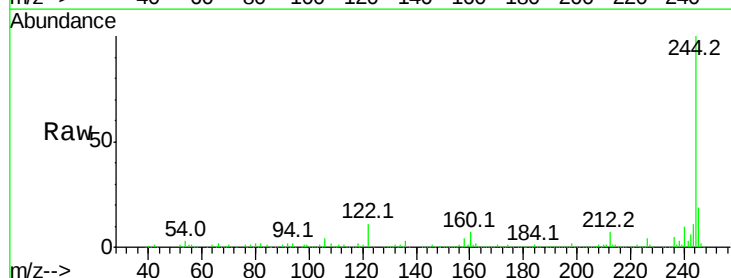
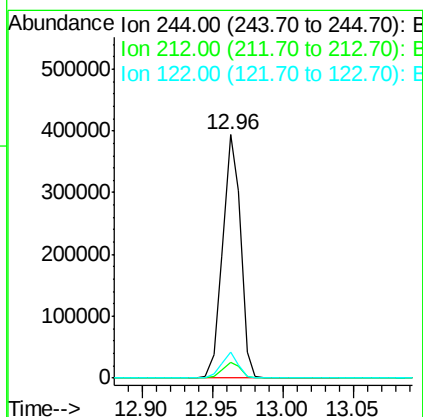
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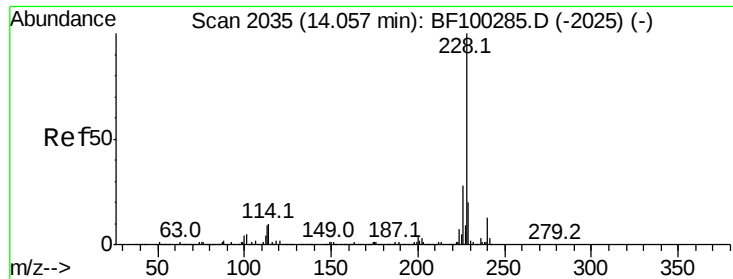
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#78
Terphenyl-d14
Concen: 58.879 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.5	11.0	16.4#





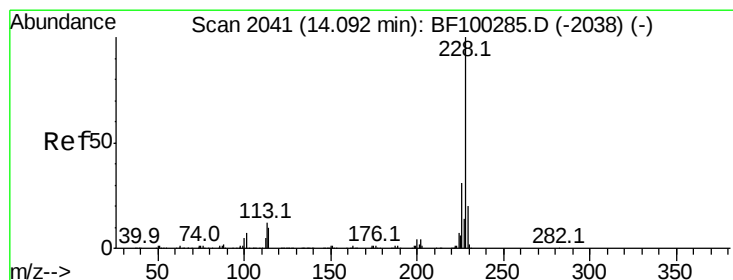
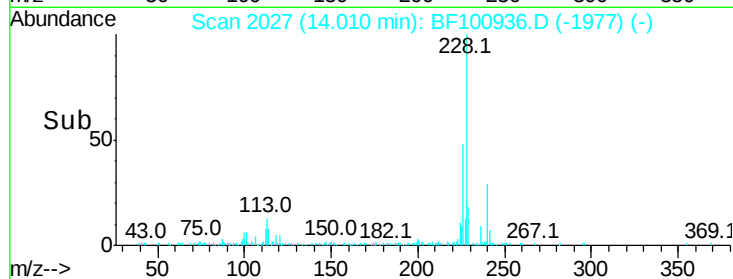
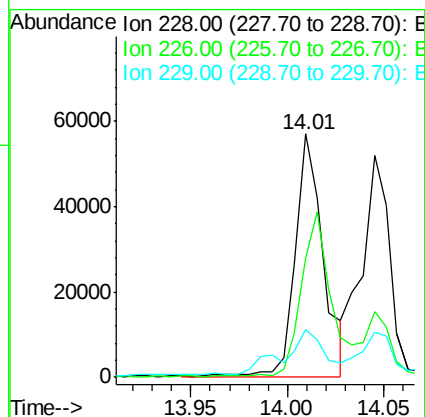
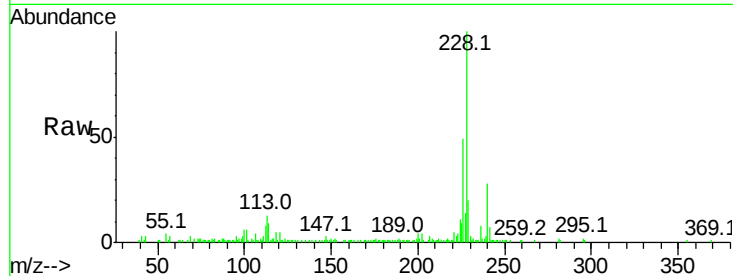
#80
Benzo(a)anthracene
Concen: 7.039 ng m
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	49.3	22.6	33.8#
229	19.8	15.8	23.6

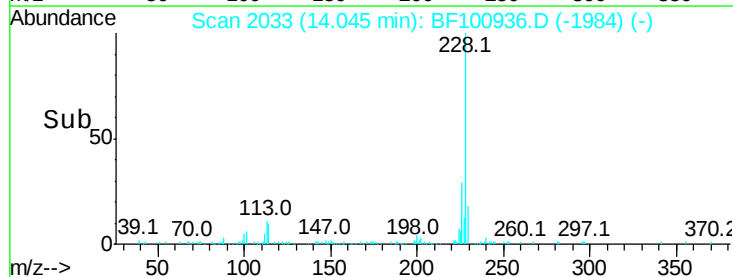
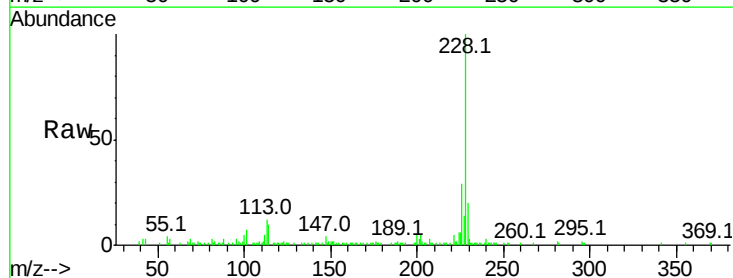
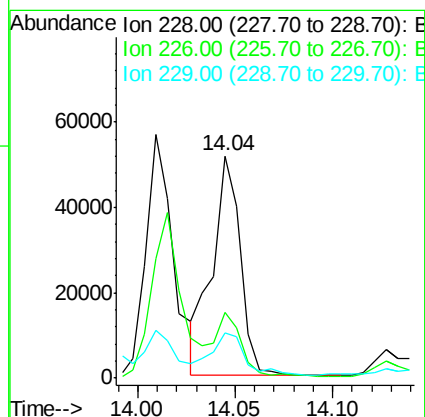
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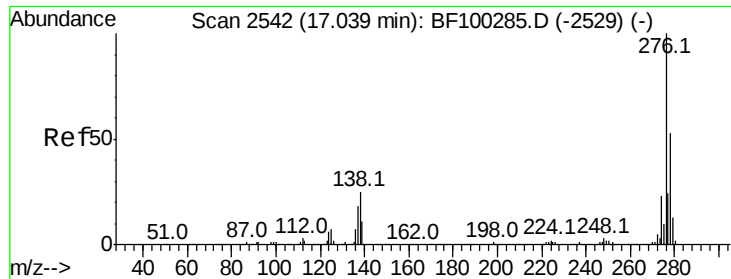
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#82
Chrysene
Concen: 6.518 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	20.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.521 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Instrument :

BNA_F

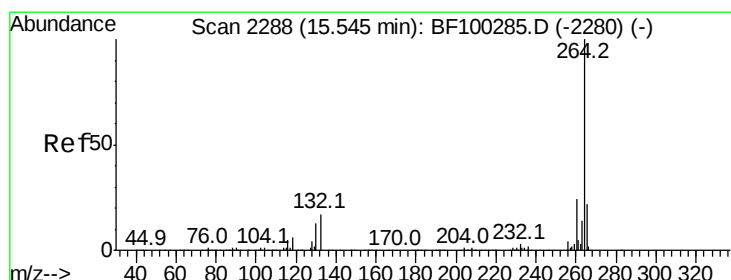
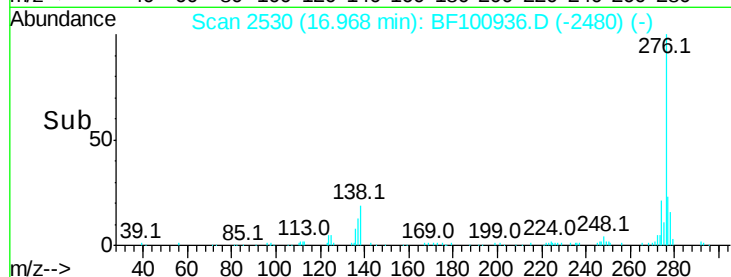
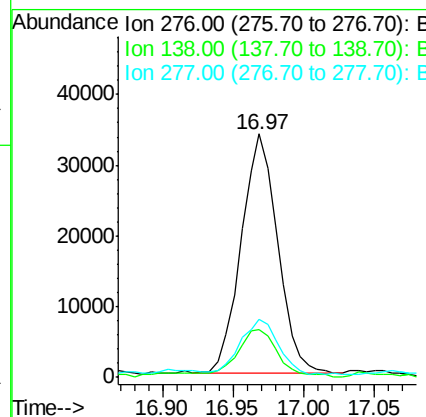
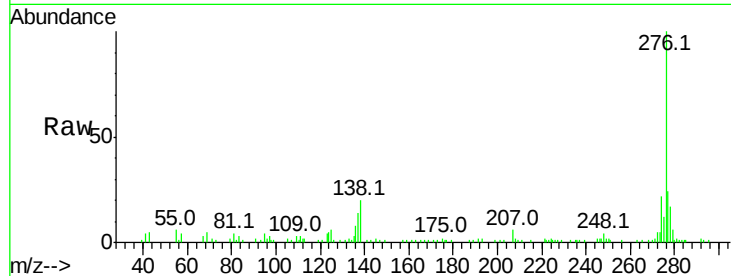
ClientSampleId :

HAR-4-E(7-8)

Tot Ion:	276	Resp:	61154
Ion Ratio	Lower	Upper	
276	100		
138	22.0	25.0	37.6#
277	24.2	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

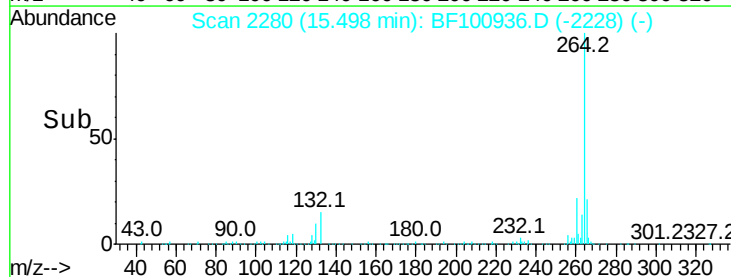
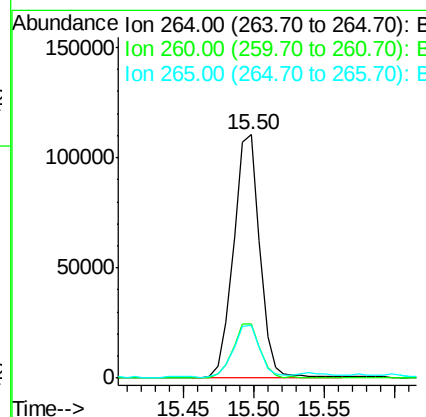
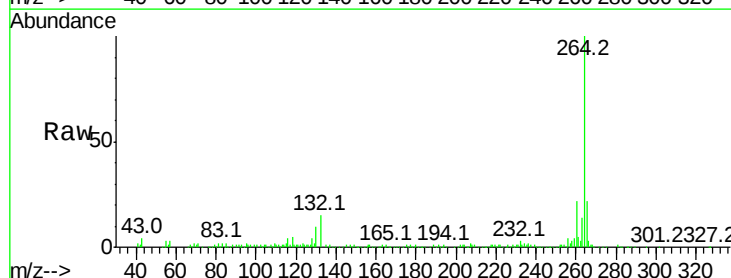
RT: 15.50 min Scan# 2280

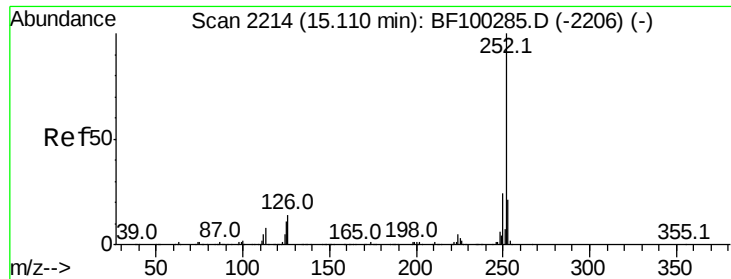
Delta R.T. 0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Tgt Ion:	264	Resp:	143927
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.2	28.8
265	21.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.025 ng m

RT: 15.06 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Instrument :

BNA_F

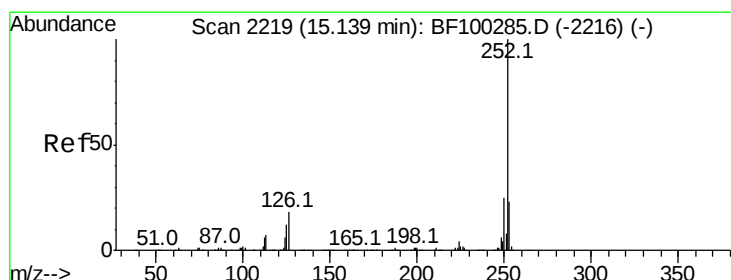
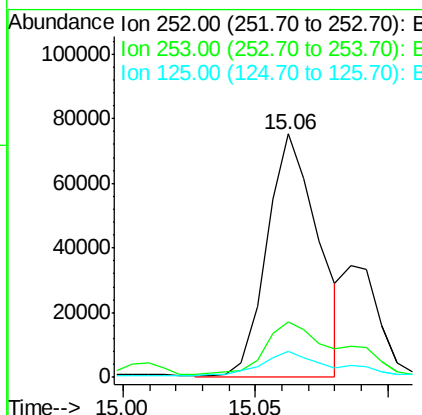
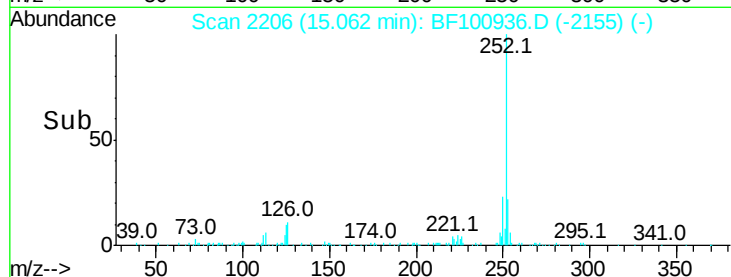
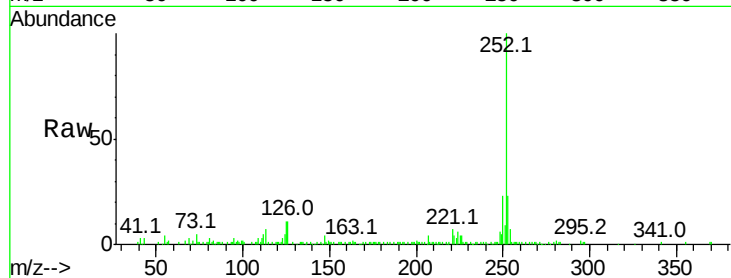
ClientSampleId :

HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.7	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.104 ng m

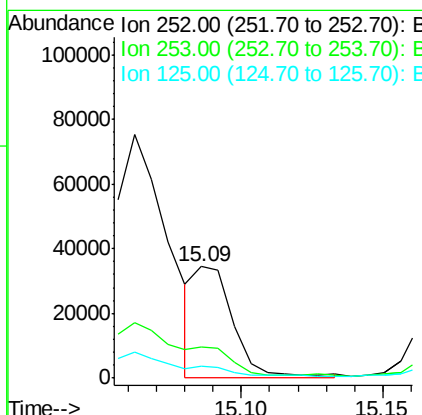
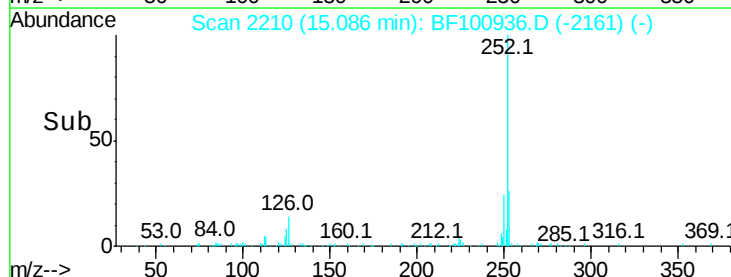
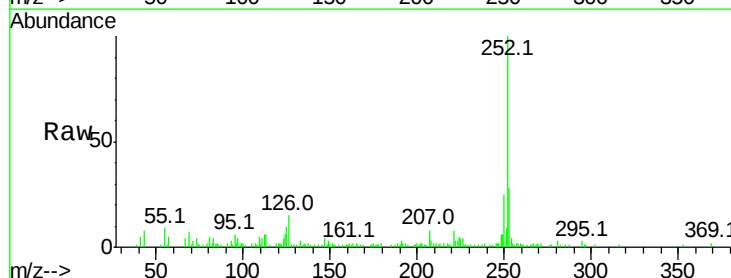
RT: 15.09 min Scan# 2210

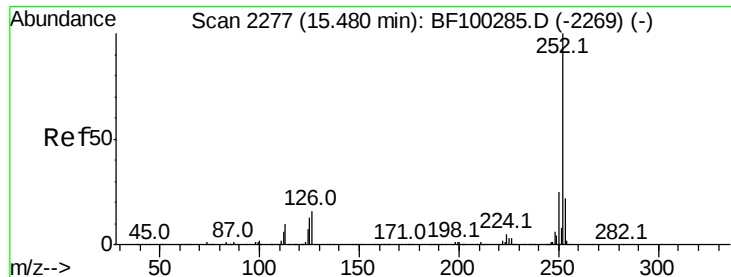
Delta R.T. -0.01 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.9	26.9#
125	10.5	10.2	15.2





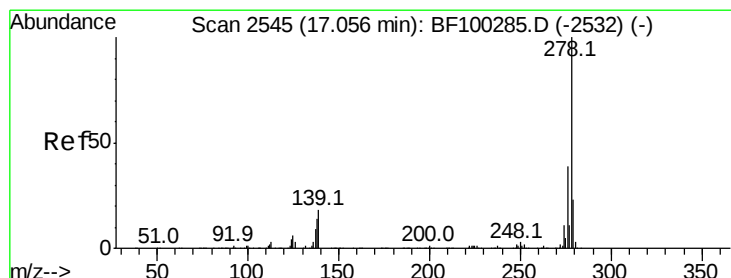
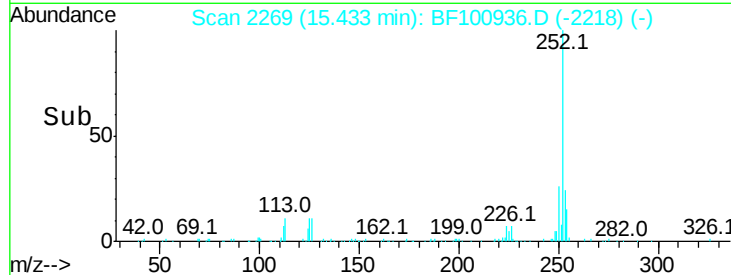
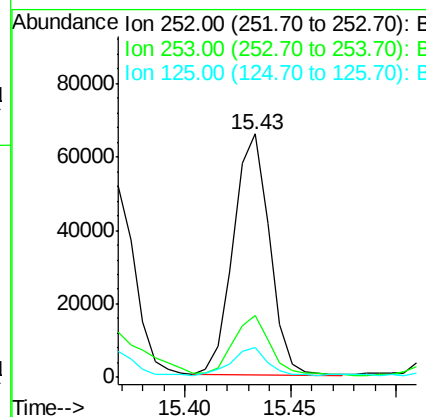
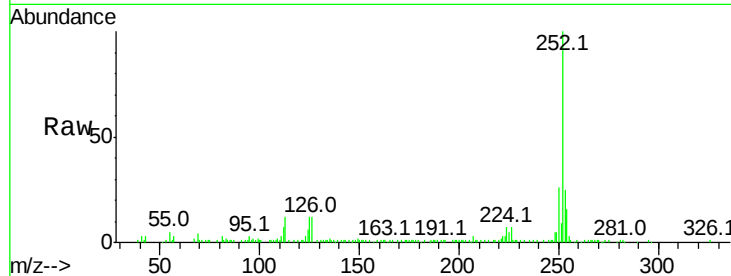
#89
Benzo(a)pyrene
Concen: 10.311 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	12.1	9.8	14.6

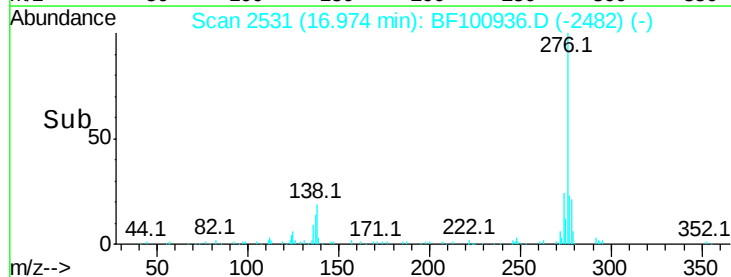
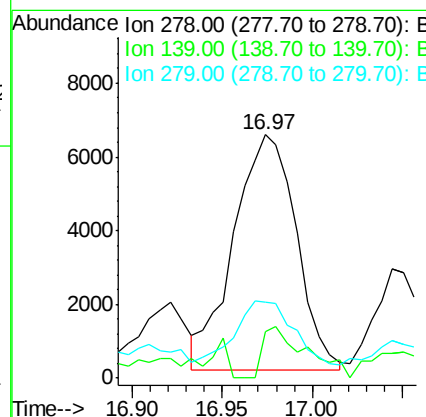
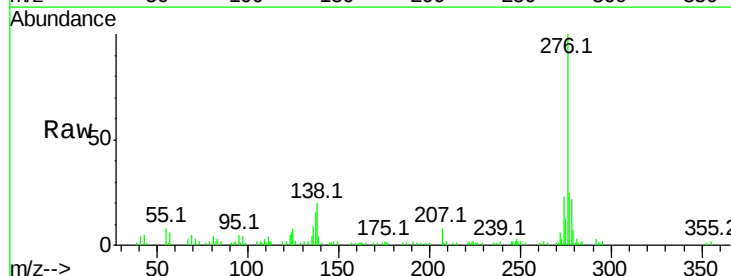
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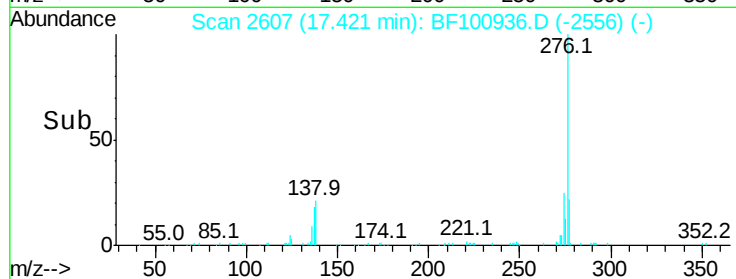
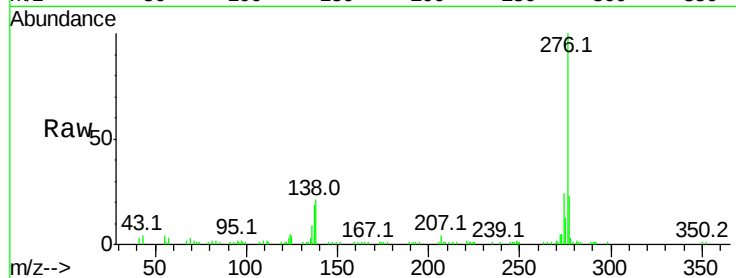
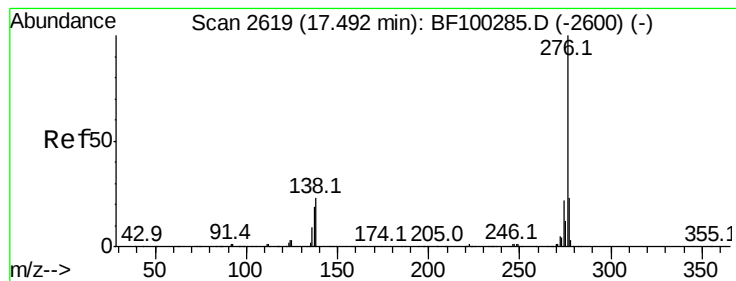
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#90
Dibenzo(a,h)anthracene
Concen: 2.491 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.9	23.9
279	31.2	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 15.853 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BF100936.D

Acq: 28 Nov 2017 16:19

Instrument :

BNA_F

ClientSampleId :

HAR-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	21.4	21.8	32.8

Manual Integrations
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