

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103232.D
 Acq On : 26 Feb 2018 21:57
 Operator : SJ/JU
 Sample : J1691-53 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B14

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:23:09 PM

Quant Time: Feb 27 01:08:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	159724	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	641916	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	256420	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	380139	20.00	ng	0.00
75) Chrysene-d12	14.06	240	252668	20.00	ng	0.00
86) Perylene-d12	15.56	264	174984	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	497275	47.09	ng	0.00
7) Phenol-d6	6.50	99	595181	46.06	ng	0.00
23) Nitrobenzene-d5	7.43	82	349936	31.13	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	85864	39.56	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	555592	31.36	ng	0.00
78) Terphenyl-d14	12.99	244	393187	37.41	ng	0.00
Target Compounds						
51) Acenaphthene	9.95	154	37925	2.487	ng	Qvalue 100
57) Fluorene	10.46	166	49006	2.748	ng	95
70) Phenanthrene	11.43	178	310255	14.830	ng	99
71) Anthracene	11.48	178	87201	4.065	ng	99
74) Fluoranthene	12.62	202	411690	19.583	ng	98
77) Pyrene	12.85	202	359740	18.261	ng	99
80) Benzo(a)anthracene	14.04	228	159484m	9.728	ng	
82) Chrysene	14.08	228	165021m	10.367	ng	
85) Indeno(1,2,3-cd)pyrene	17.09	276	66652	5.289	ng	98
87) Benzo(b)fluoranthene	15.12	252	158549m	13.781	ng	
88) Benzo(k)fluoranthene	15.14	252	64722m	5.974	ng	
89) Benzo(a)pyrene	15.50	252	113603	11.057	ng	# 87
90) Dibenzo(a,h)anthracene	17.09	278	19533	2.460	ng	# 52
91) Benzo(g,h,i)perylene	17.55	276	64366	8.296	ng	# 89

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

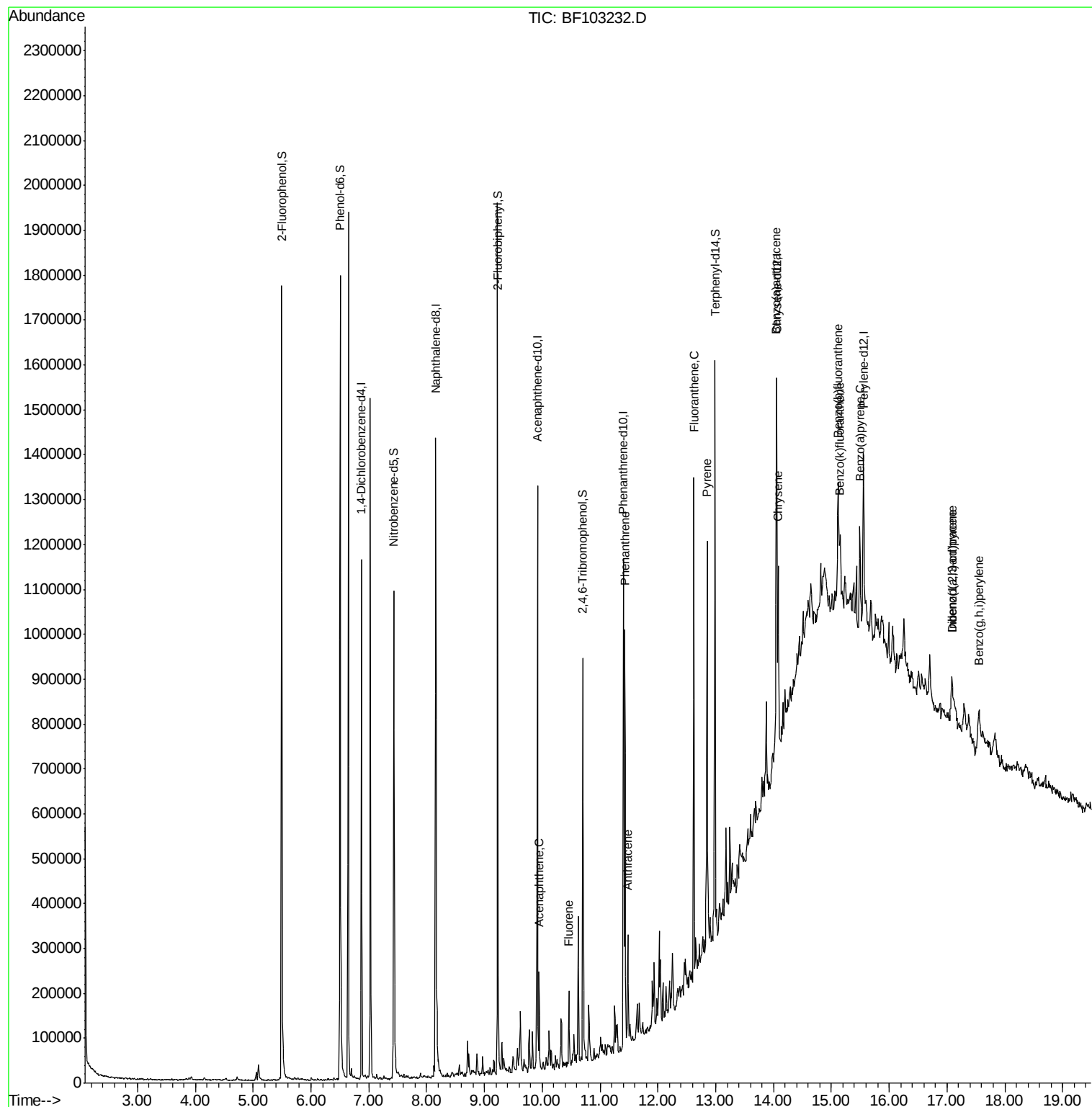
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103232.D
Acq On : 26 Feb 2018 21:57
Operator : SJ/JU
Sample : J1691-53 2X
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampled :
B14

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Quant Time: Feb 27 01:08:44 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
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#1

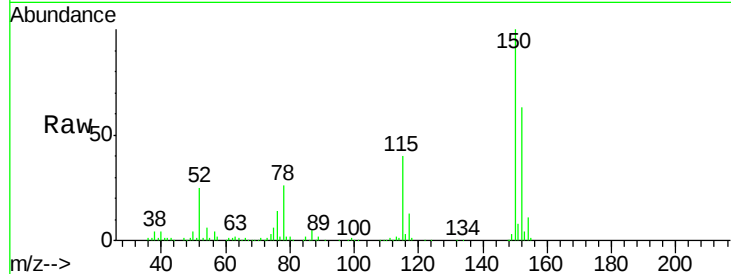
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Instrument :
BNA_F
ClientSampled :
B14

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	63.1	50.1	75.1

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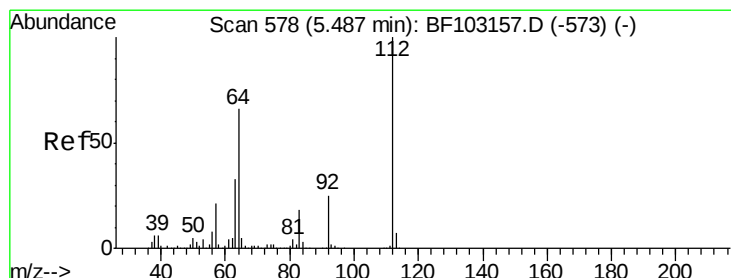
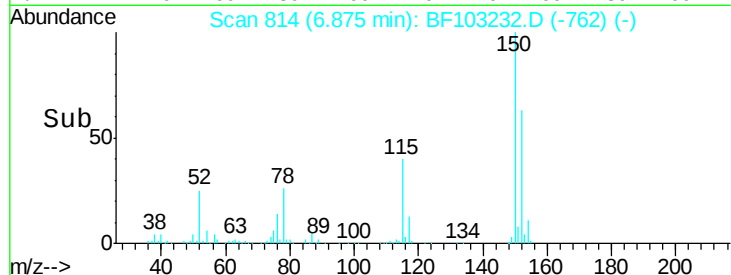
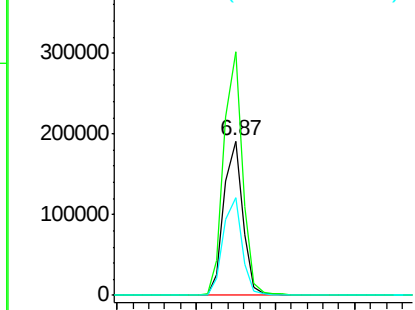


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

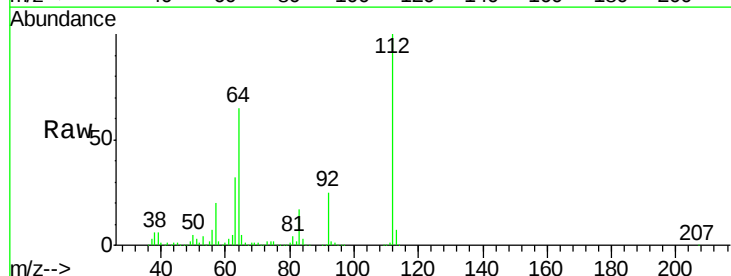
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.087 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	32.5	23.7	35.5

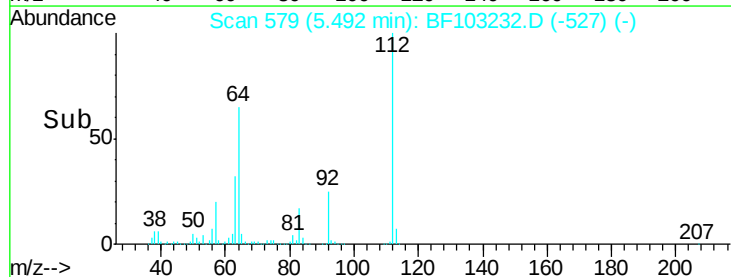
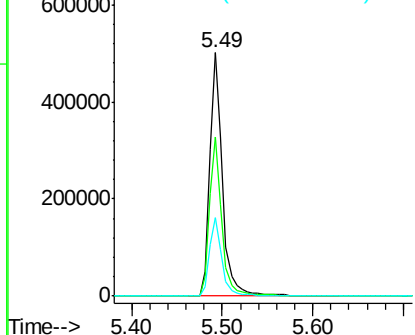


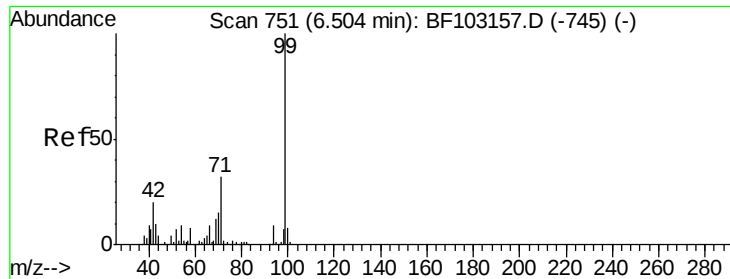
Abundance

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: 46.057 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

Instrument :

BNA_F

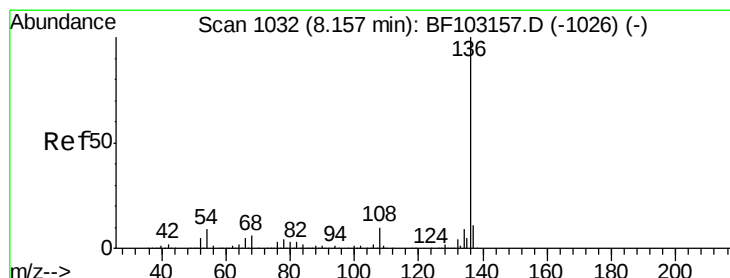
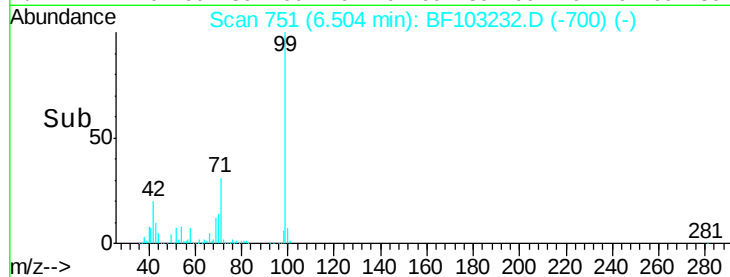
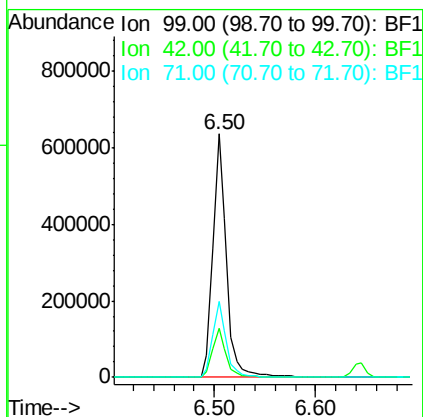
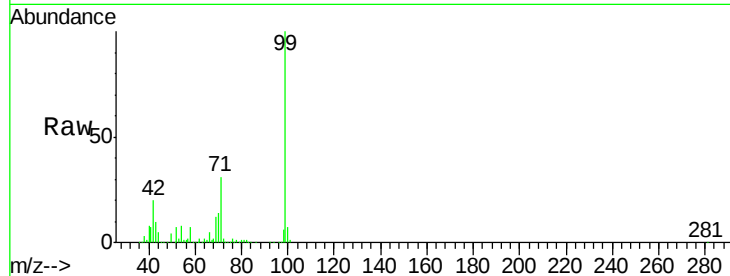
ClientSampleId :

B14

Tot Ion:	99	Resp:	595181
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	31.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

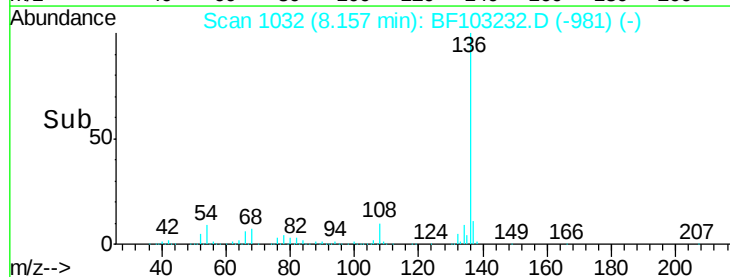
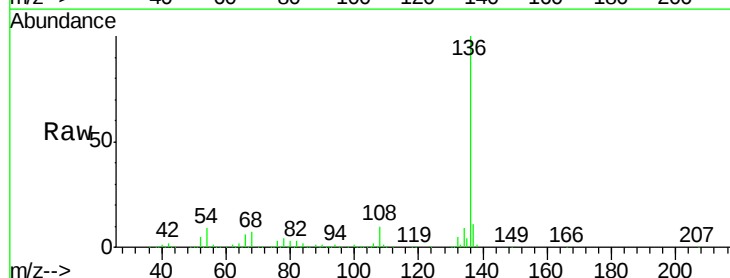
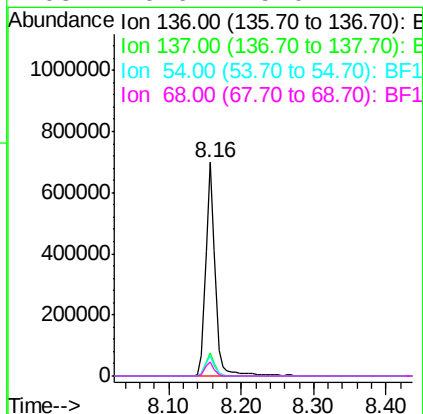
RT: 8.16 min Scan# 1032

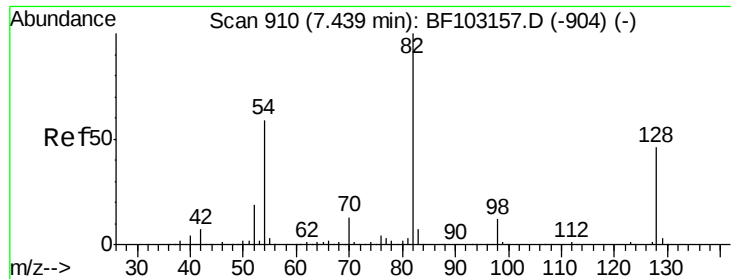
Delta R.T. 0.00 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

Tgt Ion:	136	Resp:	641916
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.4	6.6	9.8
68	6.6	5.0	7.4





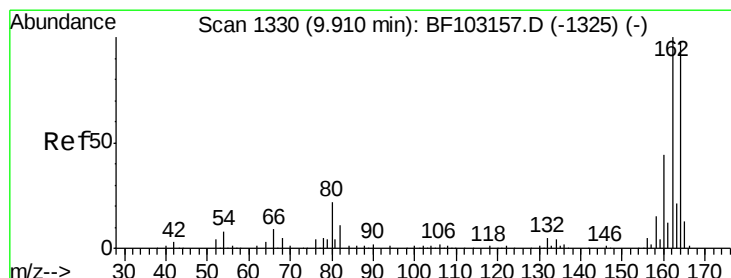
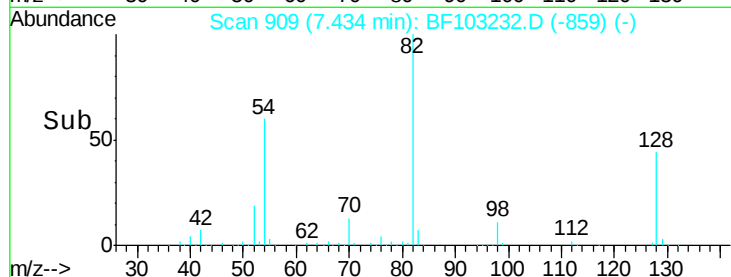
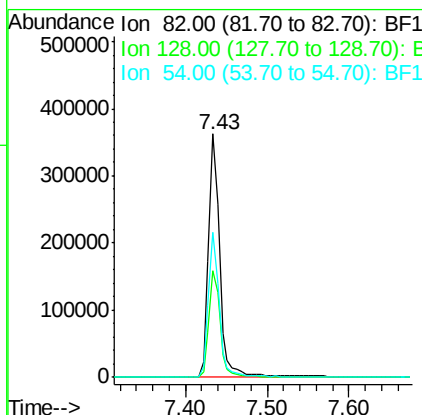
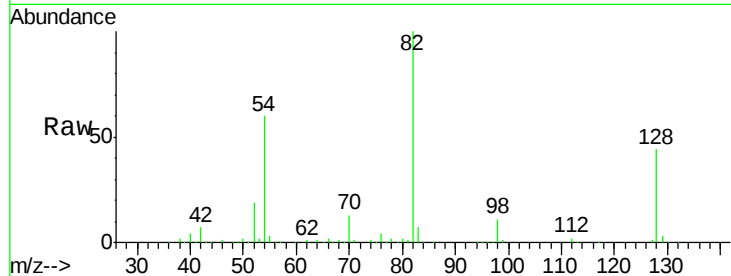
#23
 Nitrobenzene-d5
 Concen: 31.132 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Instrument :
 BNA_F
 ClientSampled :
 B14

Tot Ion	Ratio	Resp	Lower	Upper
82	100	349936		
128	43.6	36.1	54.1	
54	59.6	41.4	62.2	

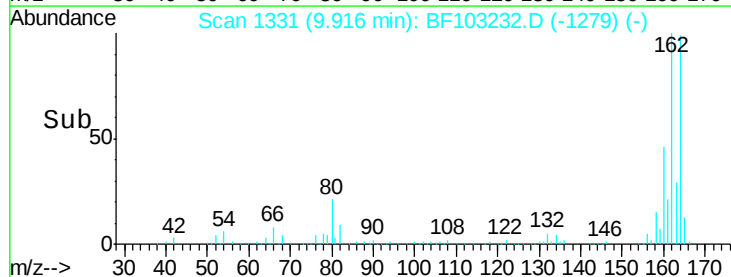
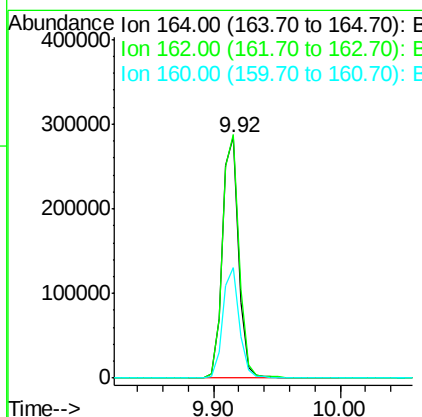
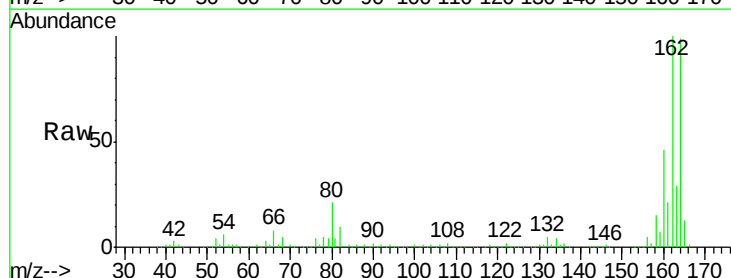
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	256420		
162	101.1	86.1	129.1	
160	46.1	38.3	57.5	





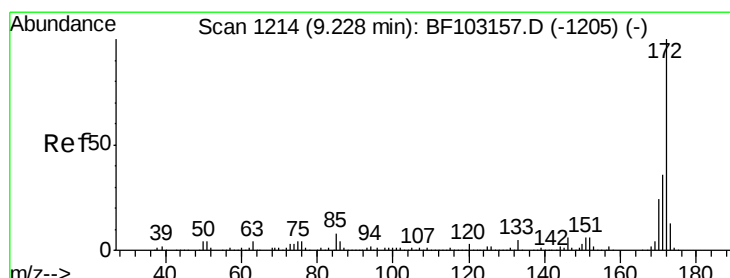
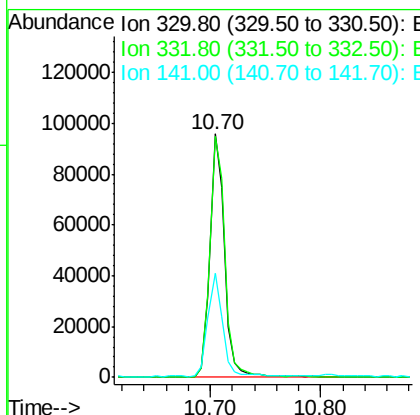
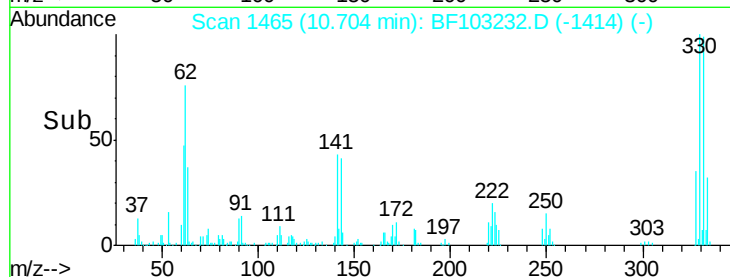
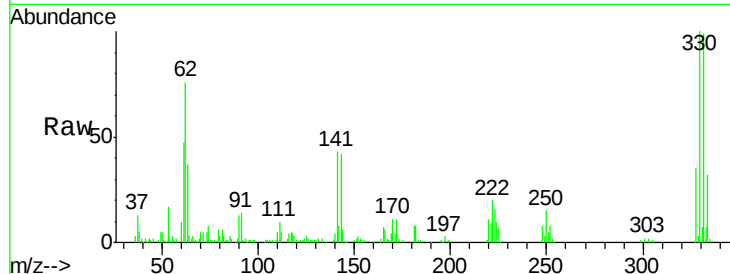
#41
 2,4,6-Tribromophenol
 Concen: 39.560 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 B14

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	42.5	29.9	44.9

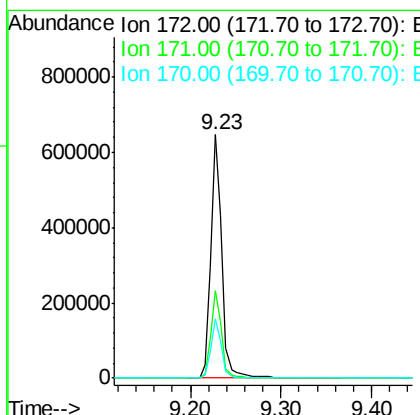
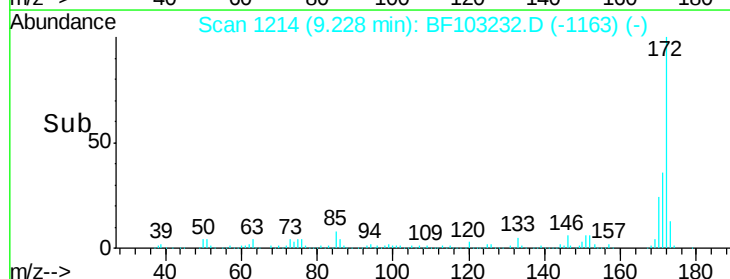
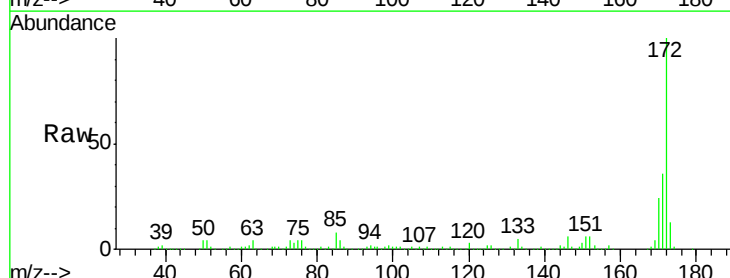
Manual Integrations
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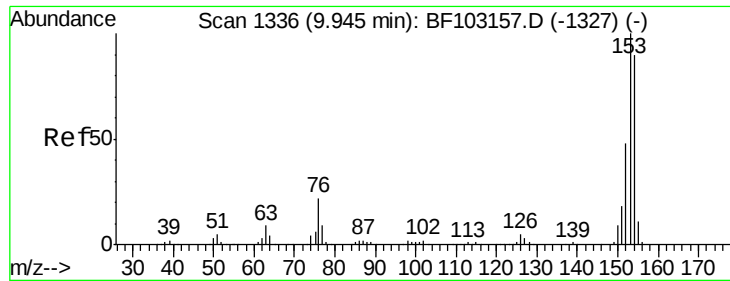
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#44
 2-Fluorobiphenyl
 Concen: 31.360 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.4	19.6	29.4





#51

Acenaphthene

Concen: 2.487 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

Instrument :

BNA_F

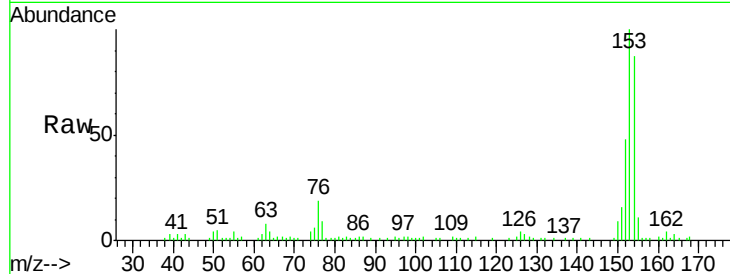
ClientSampled :

B14

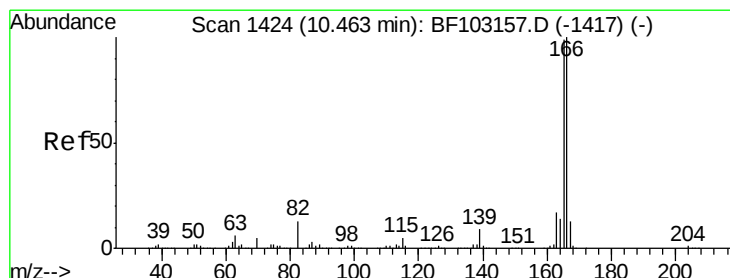
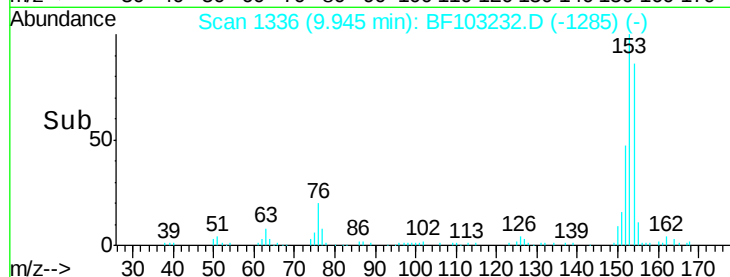
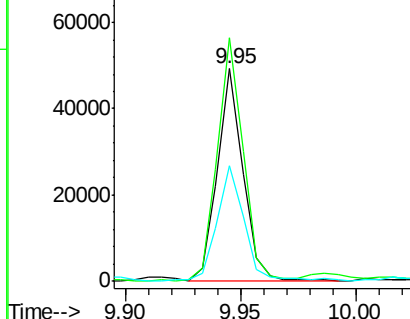
Tot Ion:	154	Resp:	37925
Ion Ratio	Lower	Upper	
154	100		
153	114.6	91.2	136.8
152	54.6	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.748 ng

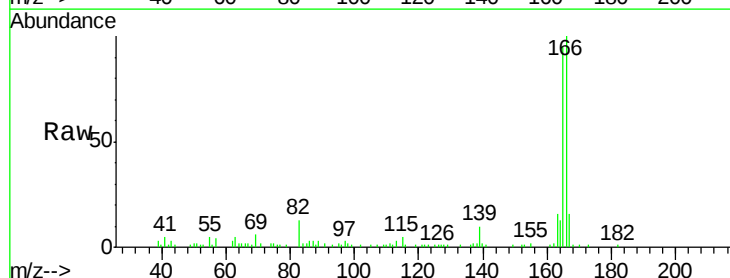
RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

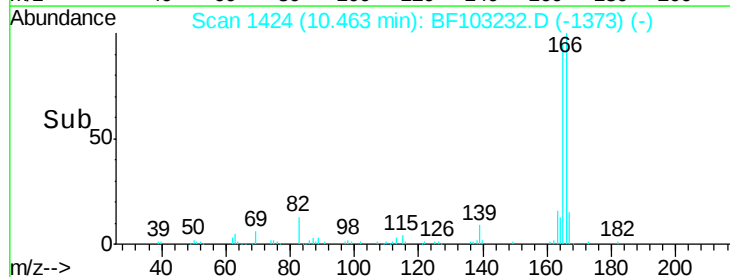
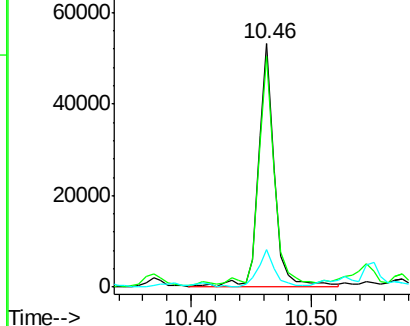
Lab File: BF103232.D

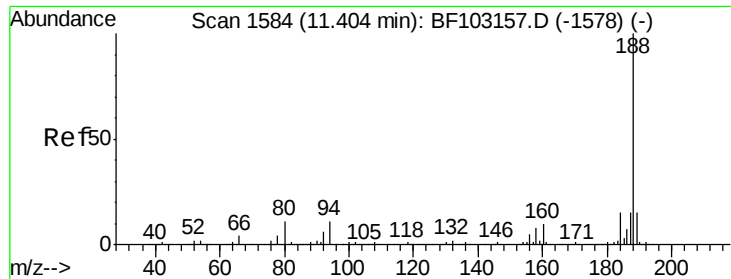
Acq: 26 Feb 2018 21:57

Tgt Ion:	166	Resp:	49006
Ion Ratio	Lower	Upper	
166	100		
165	95.0	79.8	119.8
167	15.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





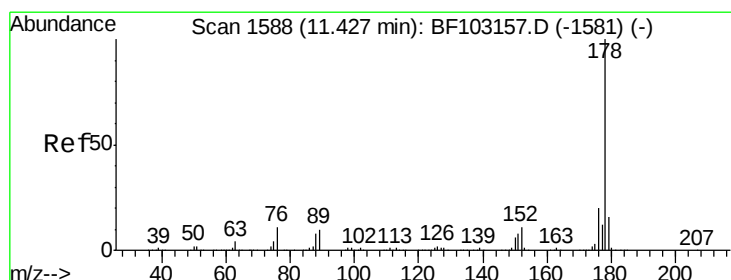
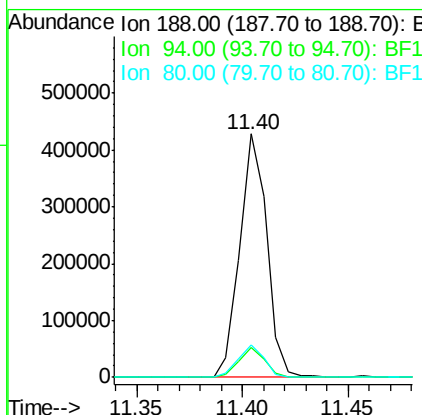
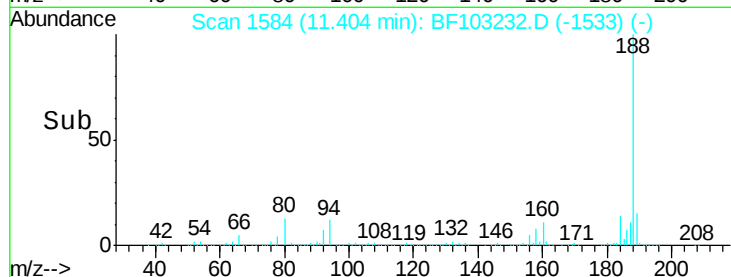
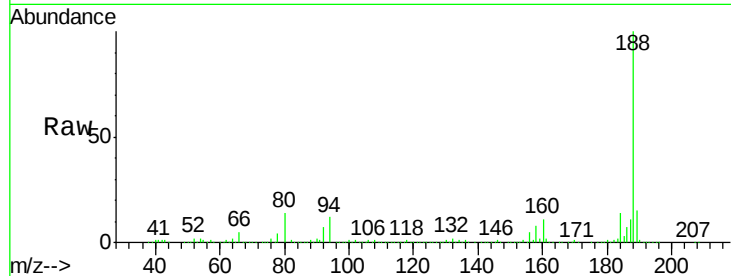
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Instrument :
BNA_F
ClientSampled :
B14

Tot Ion	Ratio	Resp	Lower	Upper
188	100	380139		
94	12.1		8.5	12.7
80	13.5		9.2	13.8

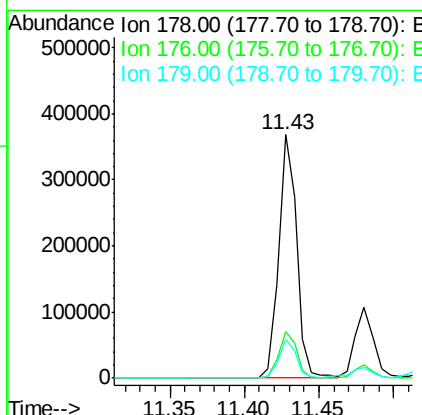
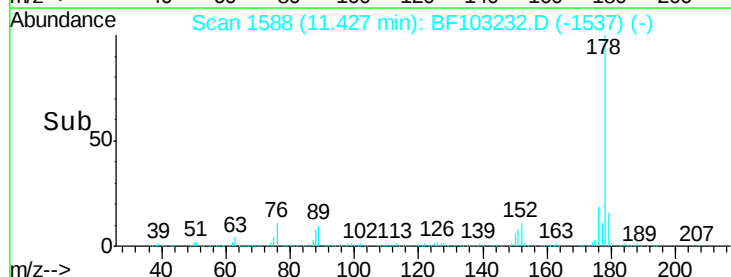
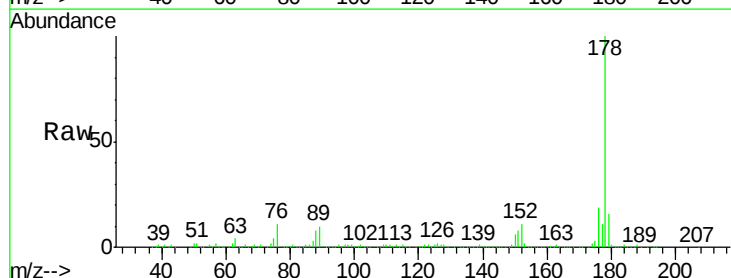
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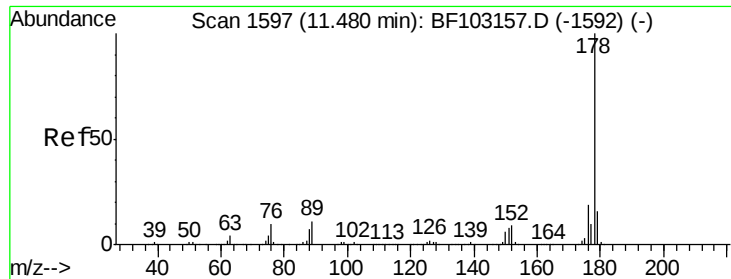
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#70
Phenanthrene
Concen: 14.830 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	310255		
176	19.3		15.8	23.8
179	16.1		13.0	19.6





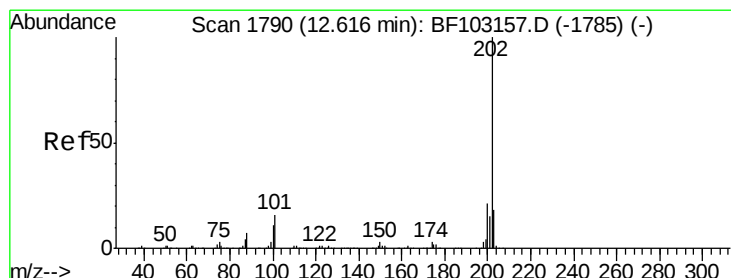
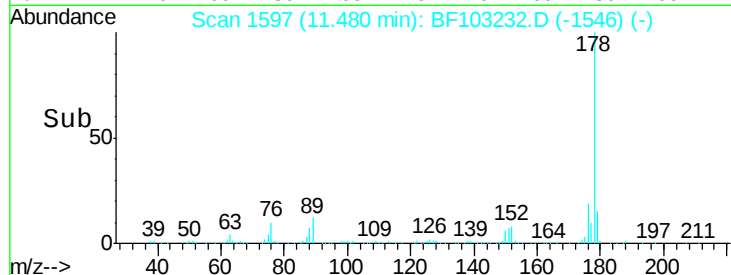
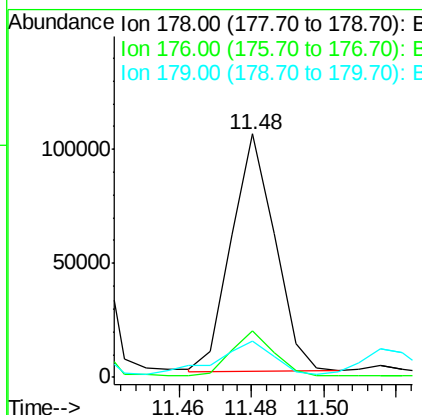
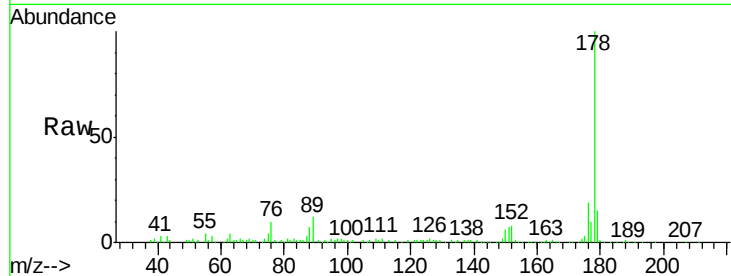
#71
 Anthracene
 Concen: 4.065 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 B14

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.1	12.6	19.0

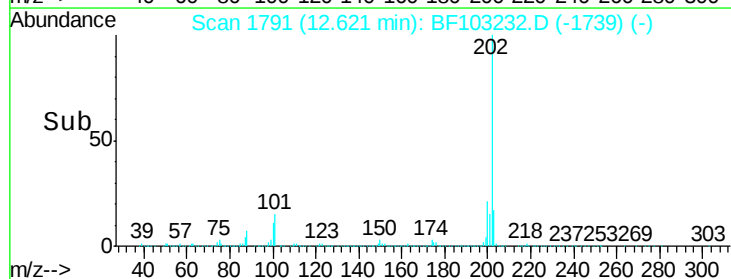
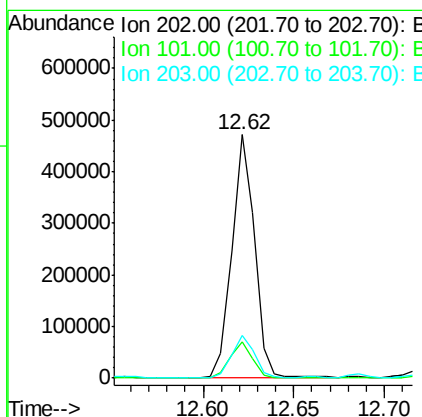
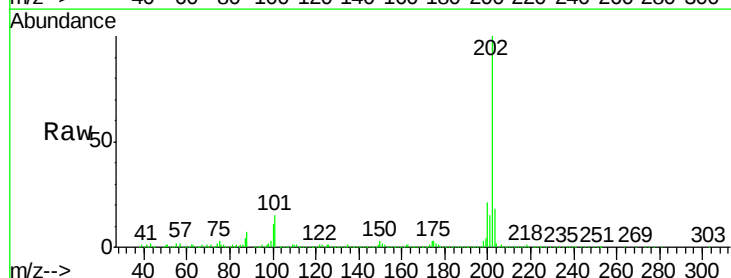
Manual Integrations
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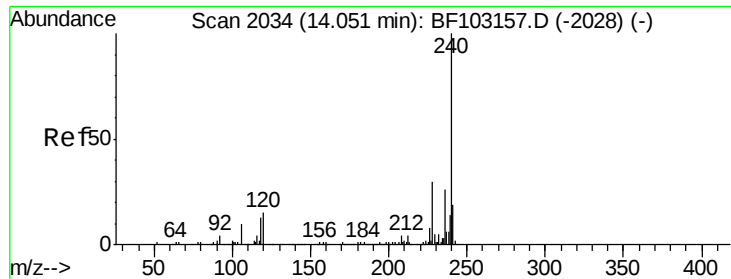
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#74
 Fluoranthene
 Concen: 19.583 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

Instrument :

BNA_F

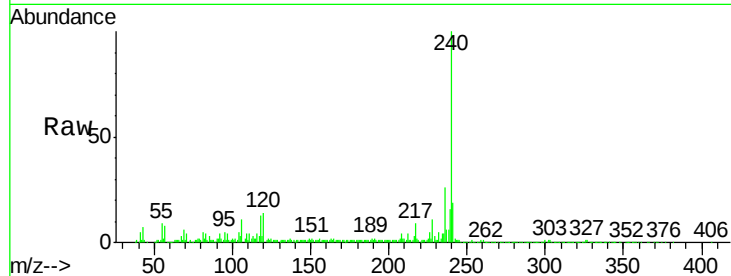
ClientSampleId :

B14

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3
236	26.0	20.7	31.1

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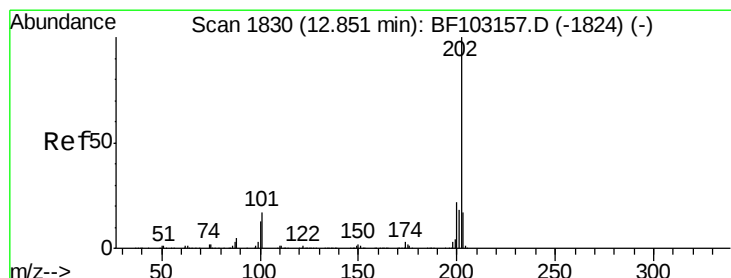
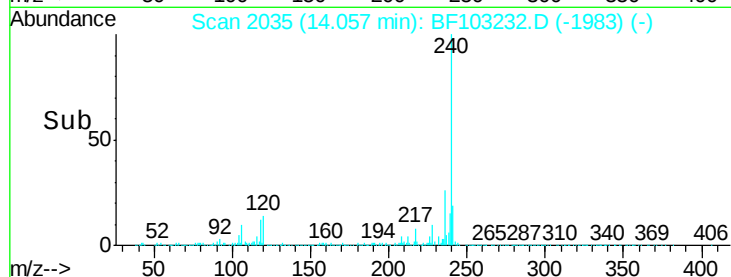
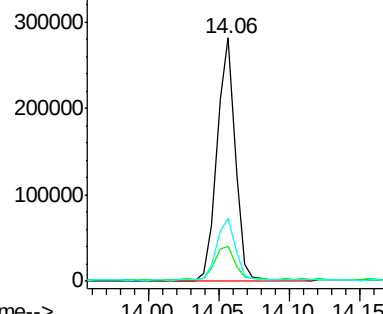
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 18.261 ng

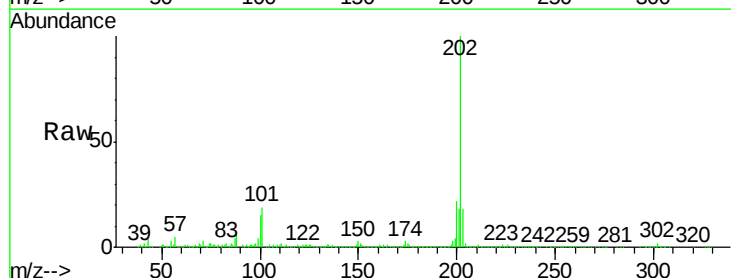
RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

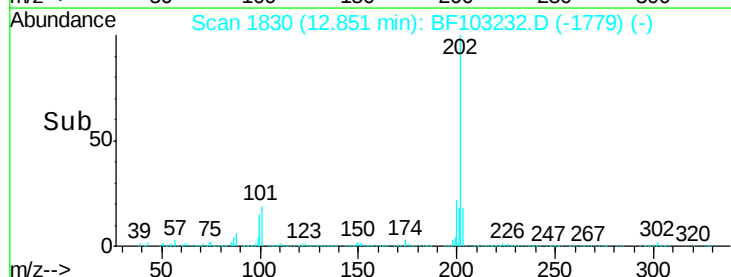
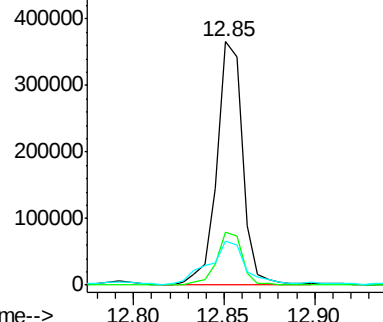
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.3	14.3	21.5

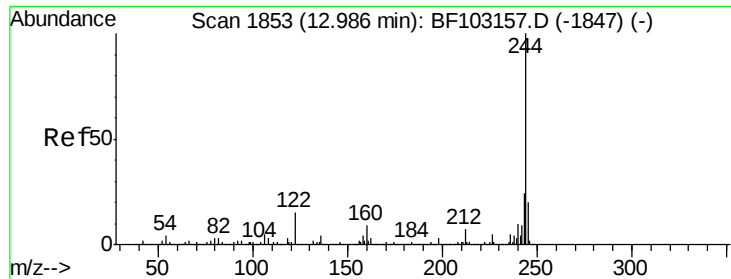


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





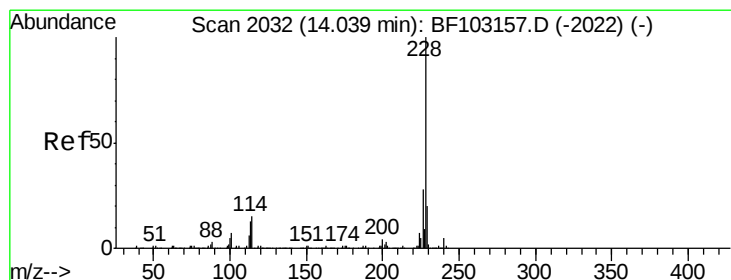
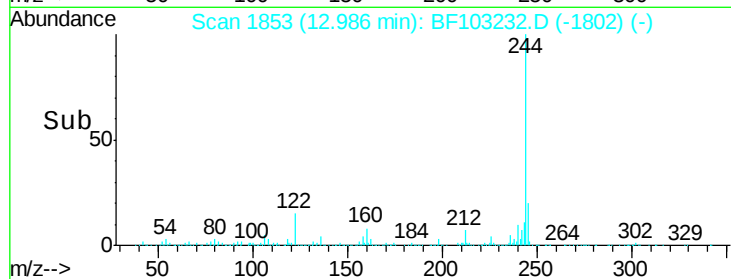
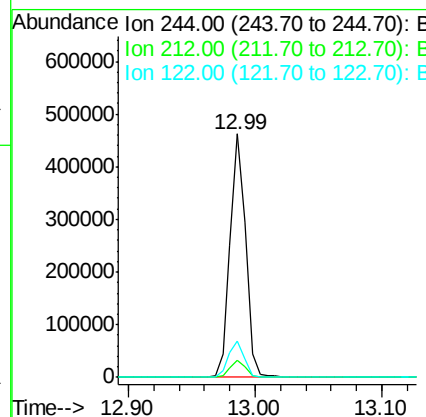
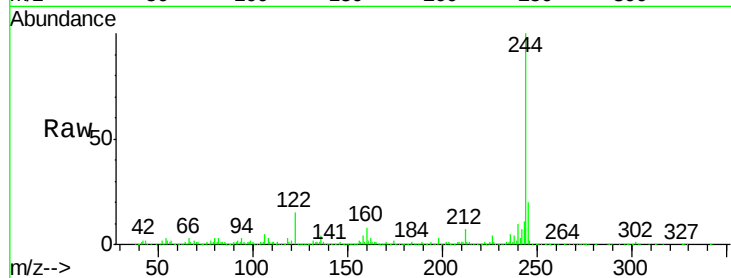
#78
 Terphenyl-d14
 Concen: 37.408 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 B14

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.1	11.0	16.4

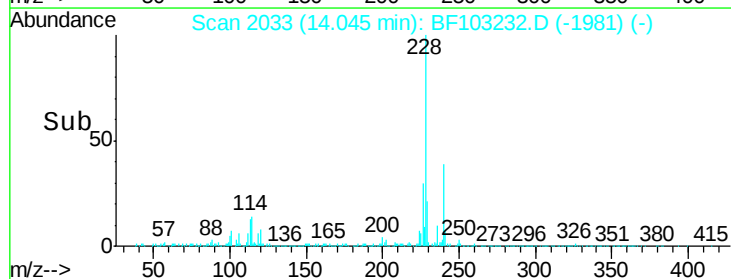
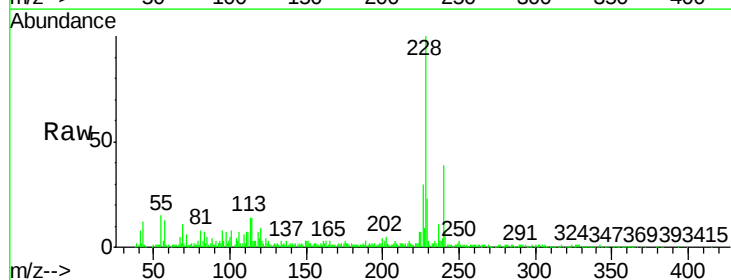
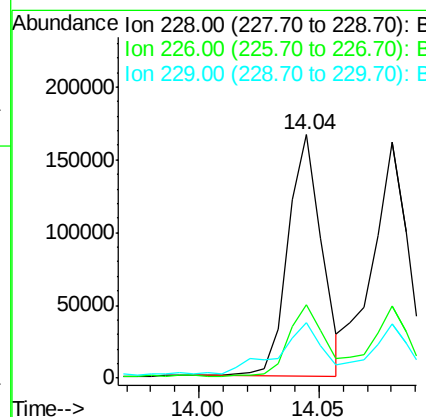
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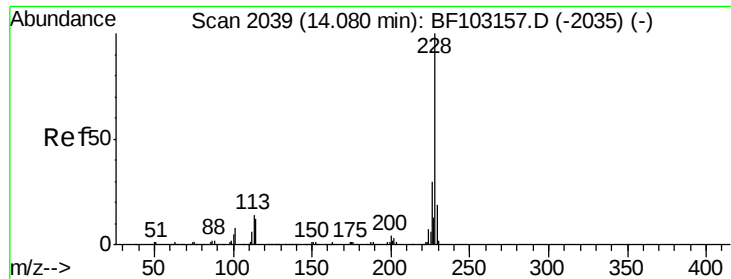
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#80
 Benzo(a)anthracene
 Concen: 9.728 ng m
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF103232.D
 Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	22.5	15.8	23.6





#82

Chrysene

Concen: 10.367 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

Instrument :

BNA_F

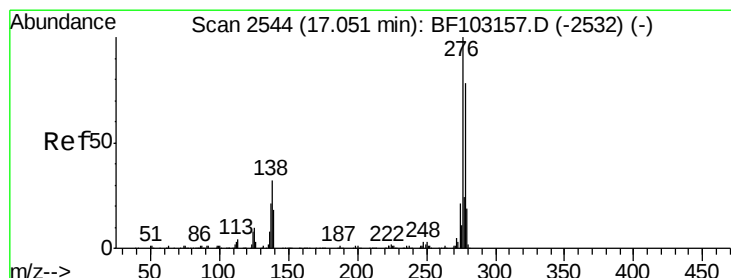
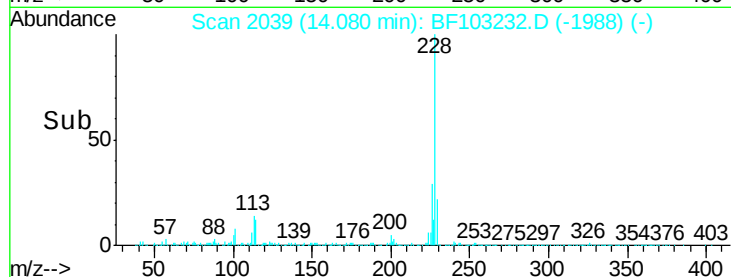
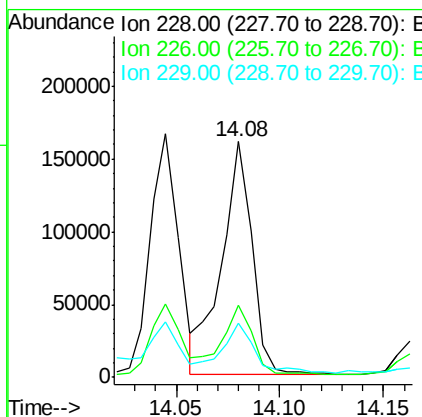
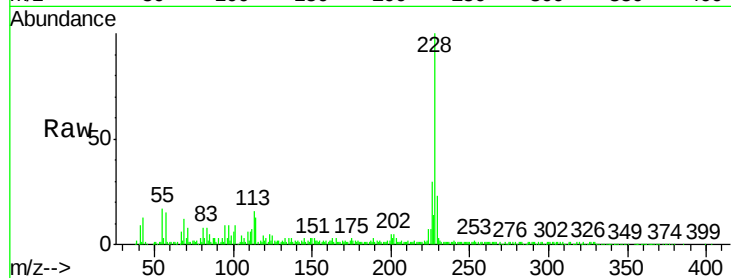
ClientSampled :

B14

Tot Ion:	228	Resp:	165021
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	23.1	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.289 ng

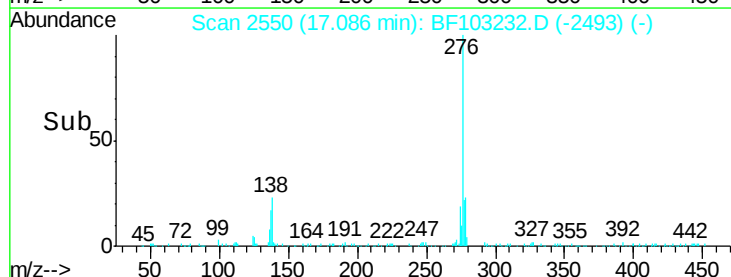
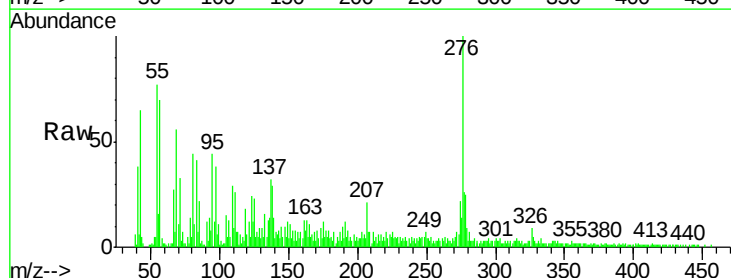
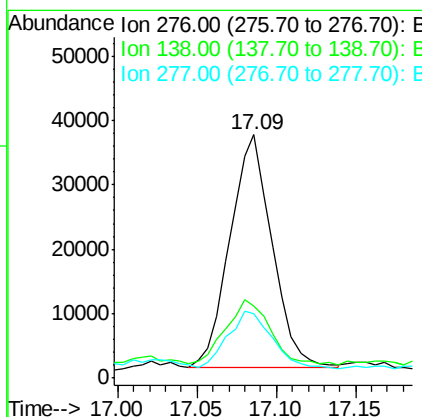
RT: 17.09 min Scan# 2550

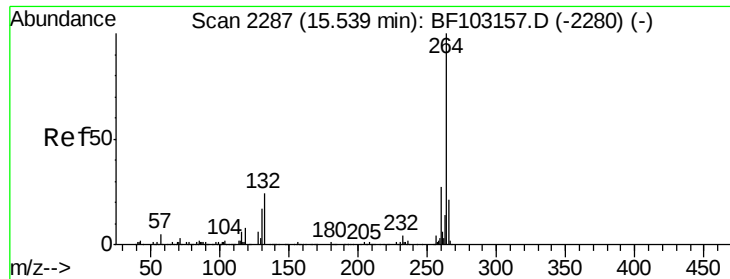
Delta R.T. 0.04 min

Lab File: BF103232.D

Acq: 26 Feb 2018 21:57

Tgt Ion:	276	Resp:	66652
Ion Ratio	Lower	Upper	
276	100		
138	30.1	25.0	37.6
277	26.0	20.1	30.1





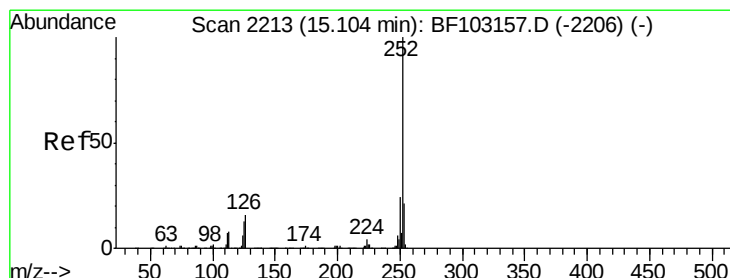
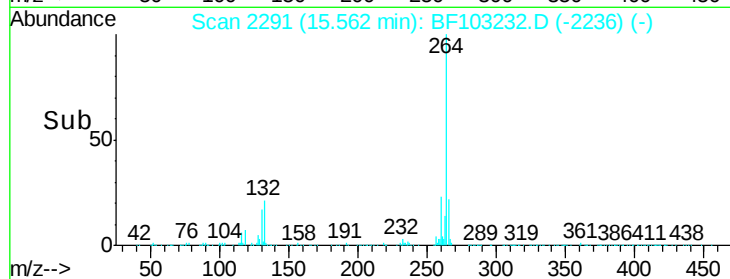
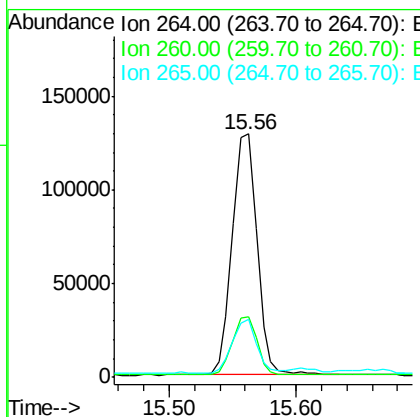
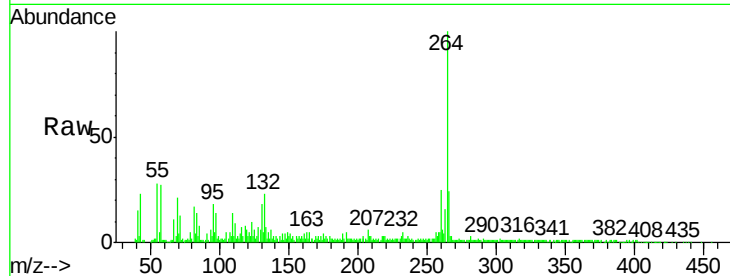
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.02 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Instrument :
BNA_F
ClientSampleId :
B14

Tot Ion:	264	Resp:	174984
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	23.6	17.5	26.3

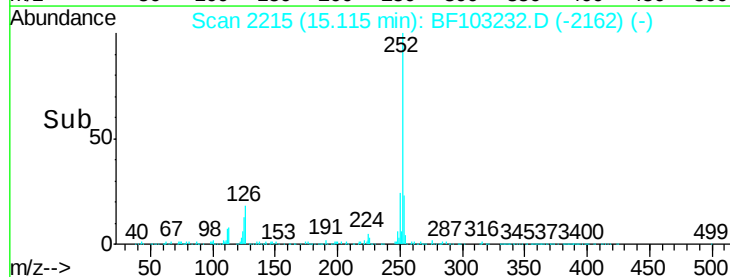
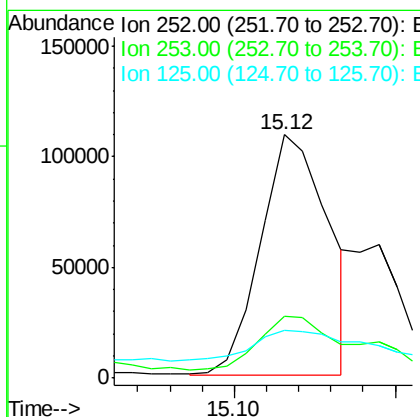
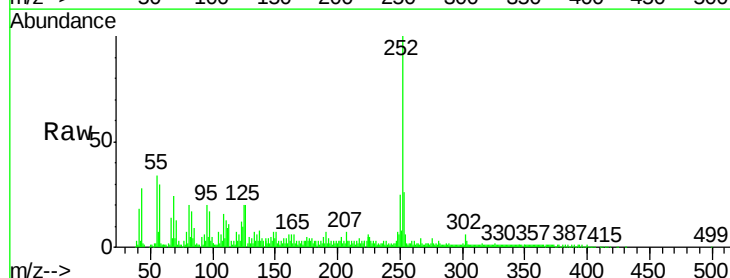
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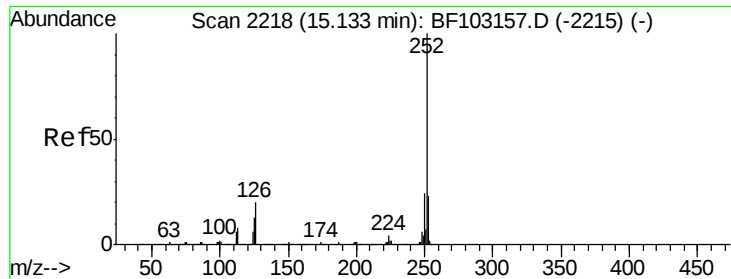
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#87
Benzo(b)fluoranthene
Concen: 13.781 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Tgt Ion:	252	Resp:	158549
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.0	25.6
125	19.7	9.0	13.6#





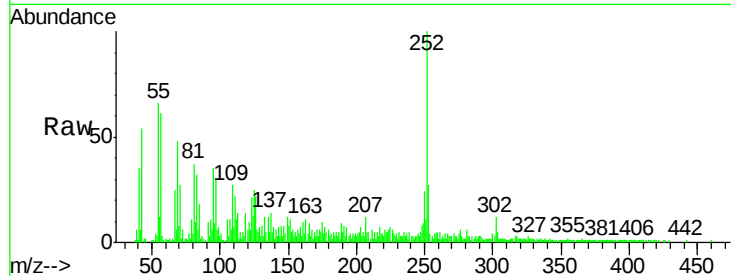
#88
Benzo(k)fluoranthene
Concen: 5.974 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Instrument :
BNA_F
ClientSampled :
B14

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	24.6	10.2	15.2#

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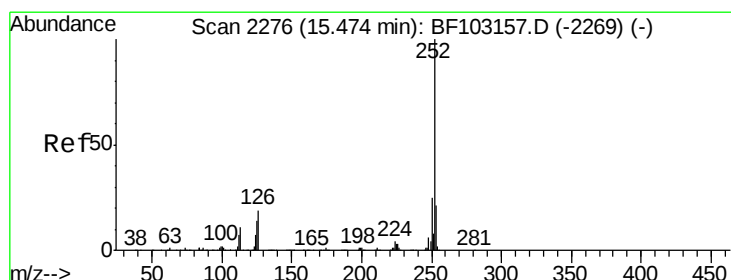
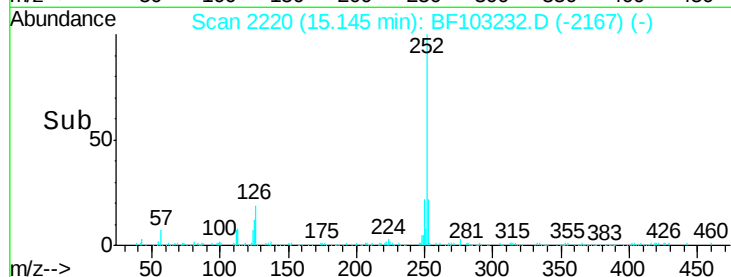
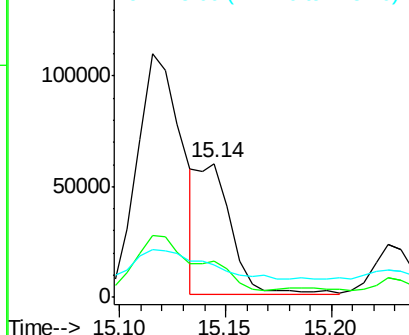


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 11.057 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

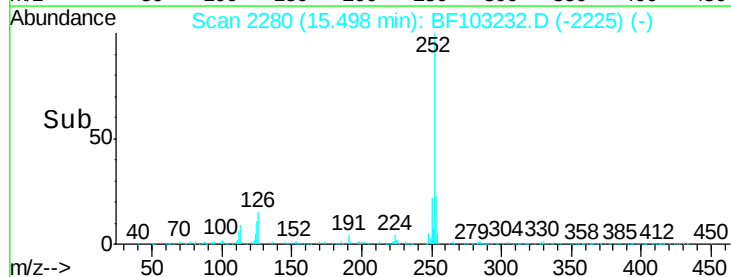
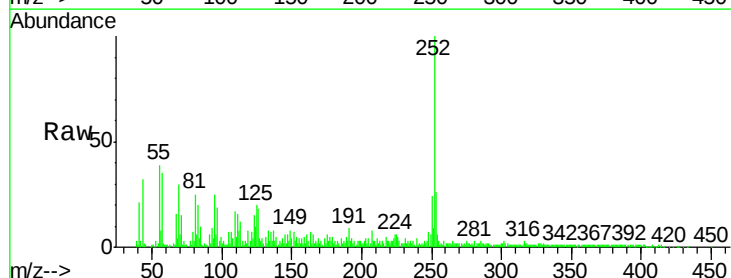
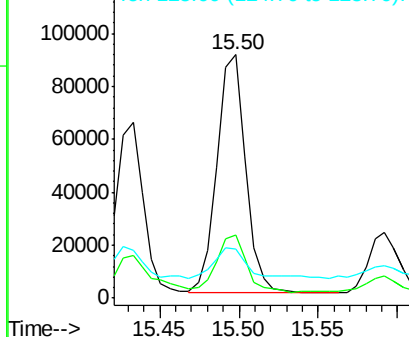
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7#
125	19.9	9.8	14.6#

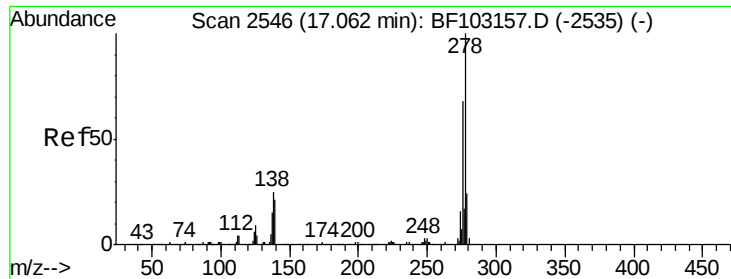
Abundance

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





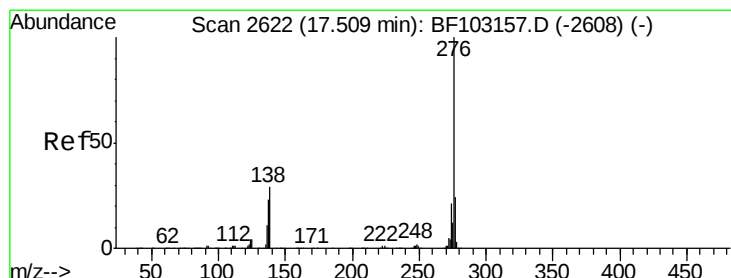
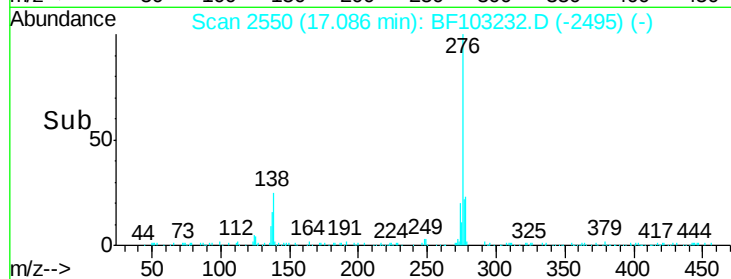
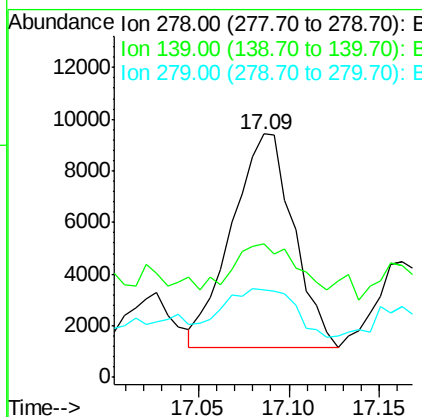
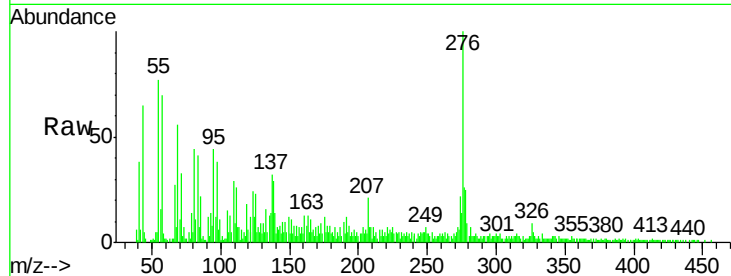
#90
Dibenzo(a,h)anthracene
Concen: 2.460 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.02 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Instrument :
BNA_F
ClientSampleId :
B14

Tot Ion	Ratio	Lower	Upper
278	100		
139	54.8	15.9	23.9#
279	36.0	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 8.296 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.04 min
Lab File: BF103232.D
Acq: 26 Feb 2018 21:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	34.1	21.8	32.8#

