

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103225.D
 Acq On : 26 Feb 2018 18:52
 Operator : SJ/JU
 Sample : J1691-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4

Manual Integrations
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Sohil
 2/27/2018 12:22:55 PM

Quant Time: Feb 27 00:32:12 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	169069	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	714017	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	313734	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	509745	20.00	ng	0.00
75) Chrysene-d12	14.04	240	294130	20.00	ng	0.00
86) Perylene-d12	15.54	264	309551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1115195	99.76	ng	0.00
7) Phenol-d6	6.50	99	1328506	97.12	ng	0.00
23) Nitrobenzene-d5	7.43	82	872401	69.78	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	264894	99.75	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1294798	67.68	ng	0.00
78) Terphenyl-d14	12.99	244	983654	80.39	ng	0.00
Target Compounds						
10) Phenol	6.52	94	34058	2.145	ng	Qvalue 93
49) Dimethylphthalate	9.62	163	109856	4.365	ng	99
70) Phenanthrene	11.42	178	236188	8.419	ng	98
71) Anthracene	11.47	178	74512	2.590	ng	99
74) Fluoranthene	12.62	202	532572	18.892	ng	99
77) Pyrene	12.85	202	525328	22.908	ng	99
80) Benzo(a)anthracene	14.03	228	308247	16.152	ng	98
82) Chrysene	14.07	228	289770	15.638	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	205025	13.976	ng	96
87) Benzo(b)fluoranthene	15.11	252	438310m	21.536	ng	
88) Benzo(k)fluoranthene	15.13	252	180339m	9.410	ng	
89) Benzo(a)pyrene	15.48	252	328895	18.096	ng	# 96
90) Dibenzo(a,h)anthracene	17.06	278	57883m	4.122	ng	
91) Benzo(g,h,i)perylene	17.52	276	193590	14.104	ng	95

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

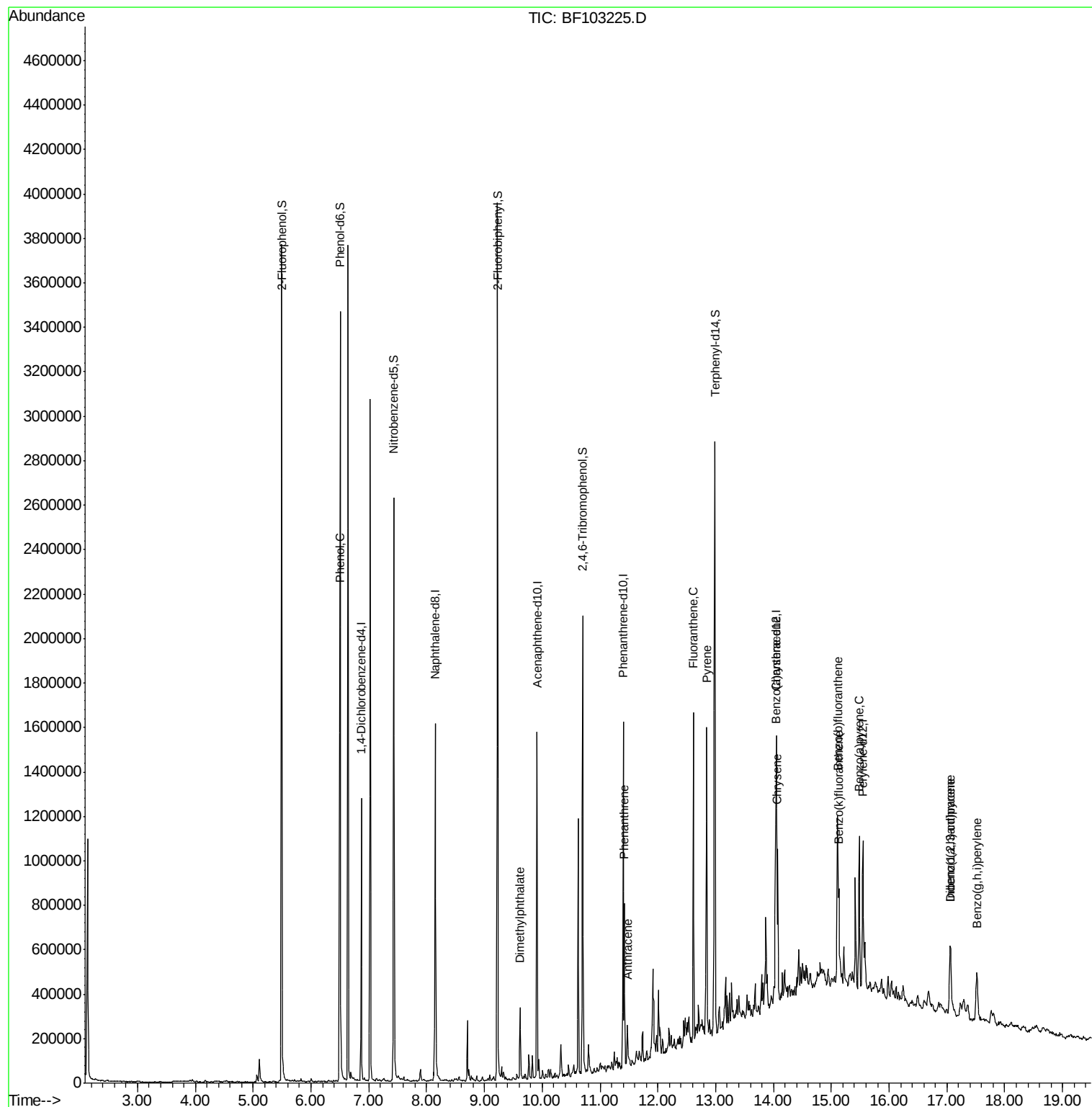
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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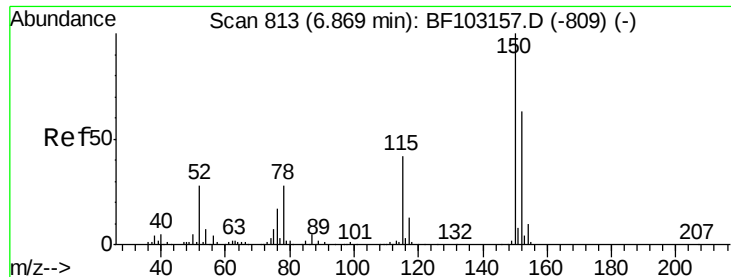
Instrument :
BNA_F
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B4

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Quant Time: Feb 27 00:32:12 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

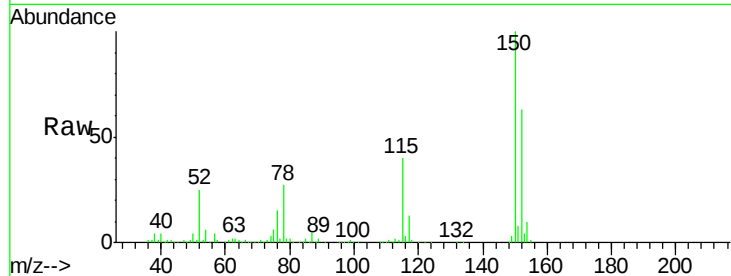
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampled :
B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.8	50.1	75.1

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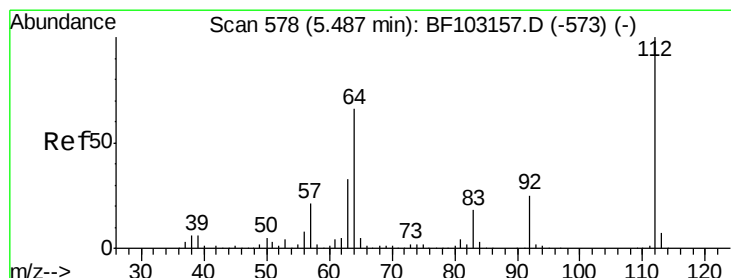
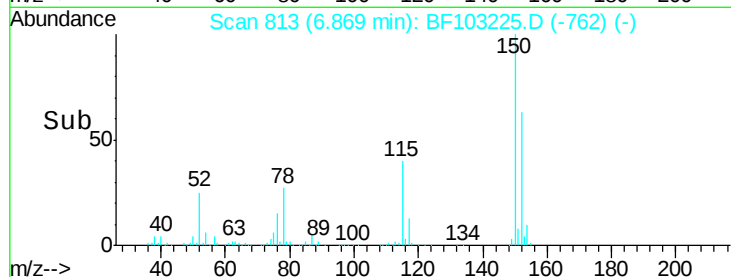
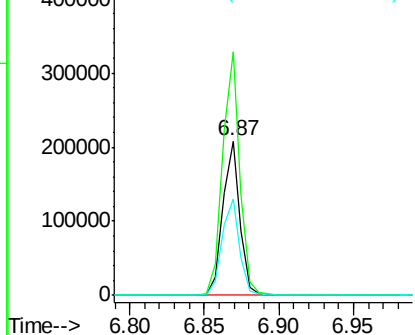


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

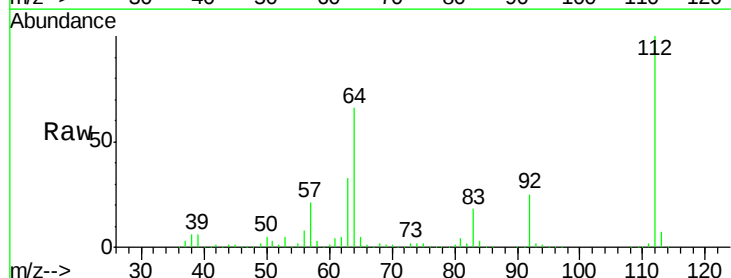
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.761 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	33.4	23.7	35.5

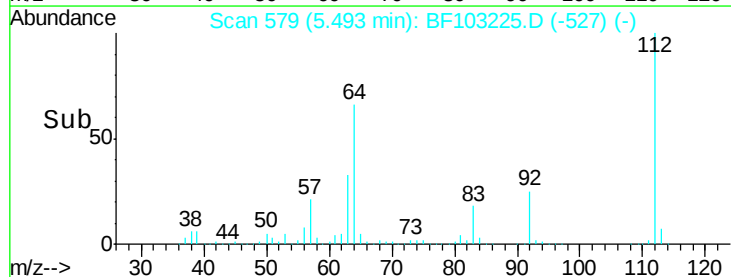
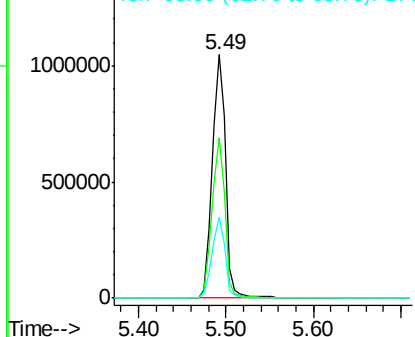


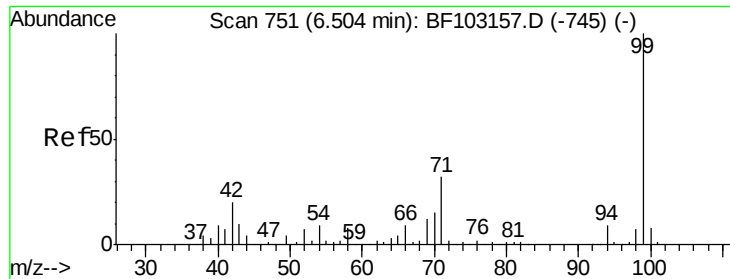
Abundance

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: 97.122 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103225.D

Acq: 26 Feb 2018 18:52

Instrument :

BNA_F

ClientSampled :

B4

Tot Ion: 99 Resp: 1328506

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

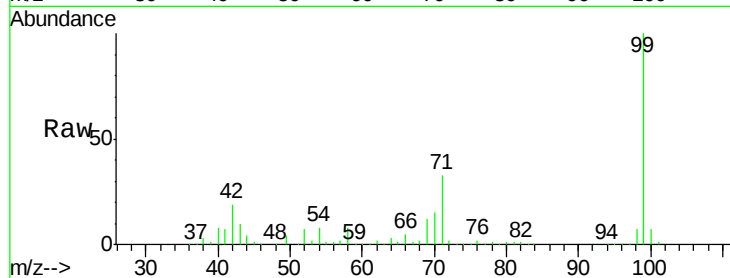
71 32.9 25.4 38.0

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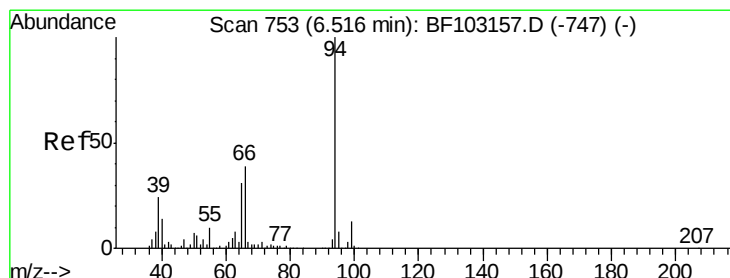
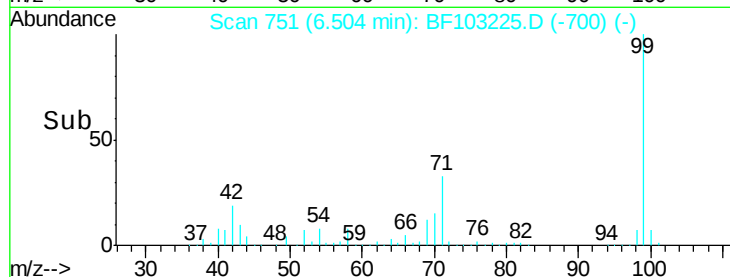
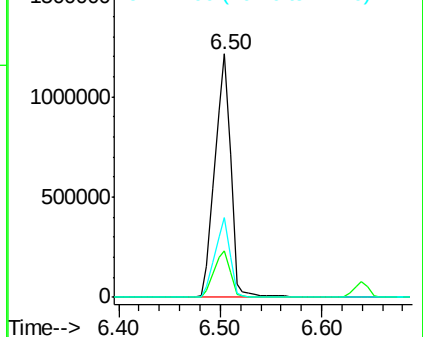
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.145 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103225.D

Acq: 26 Feb 2018 18:52

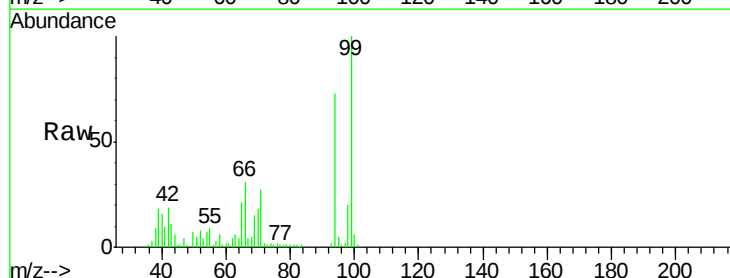
Tgt Ion: 94 Resp: 34058

Ion Ratio Lower Upper

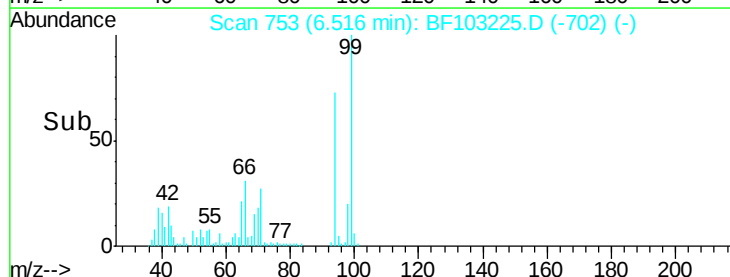
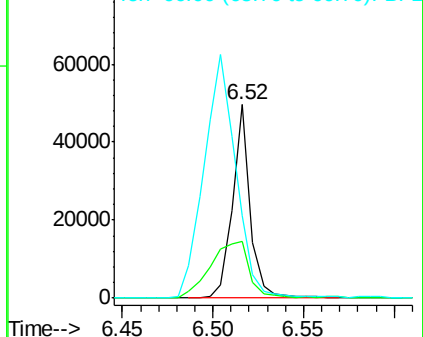
94 100

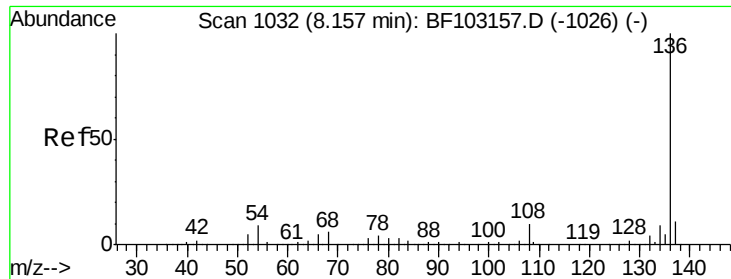
65 29.0 7.9 47.9

66 42.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





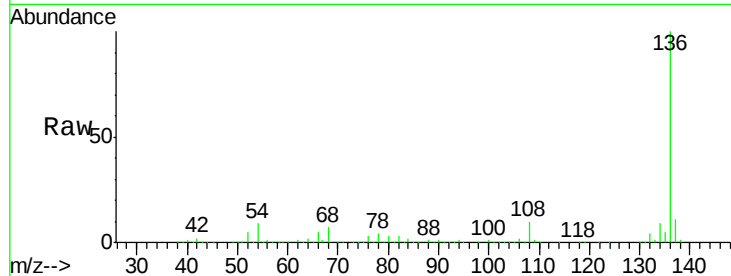
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampleId :
B4

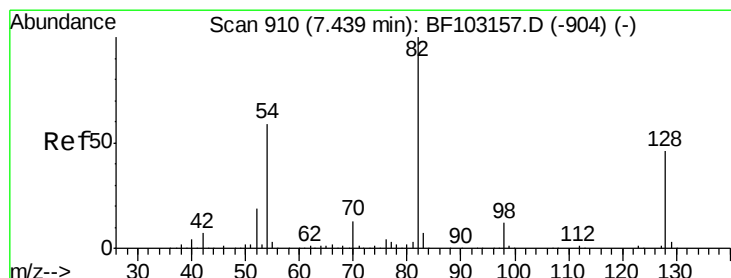
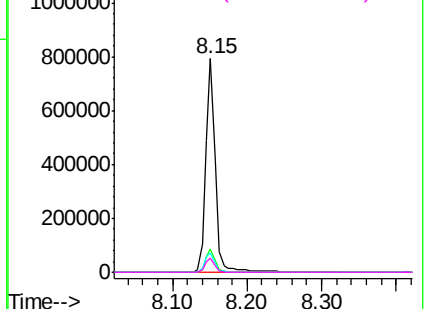
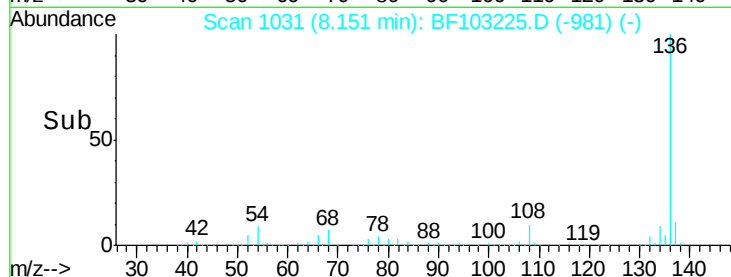
Tot Ion	Ratio	Resp	Lower	Upper
136	100	714017		
137	11.0	8.9	13.3	
54	9.3	6.6	9.8	
68	6.5	5.0	7.4	

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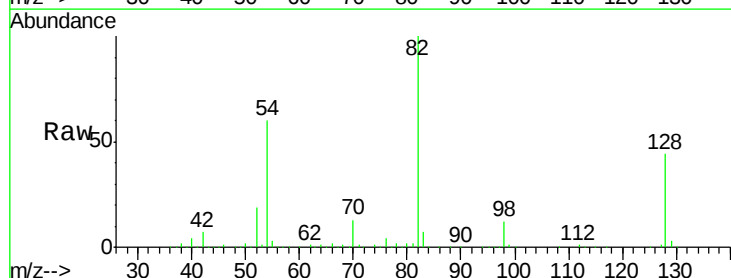


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

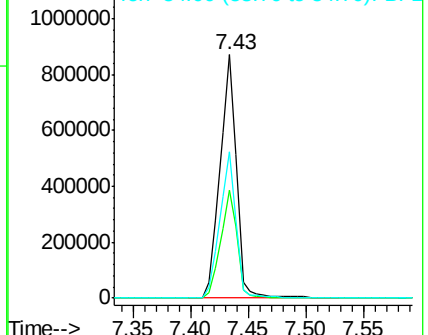
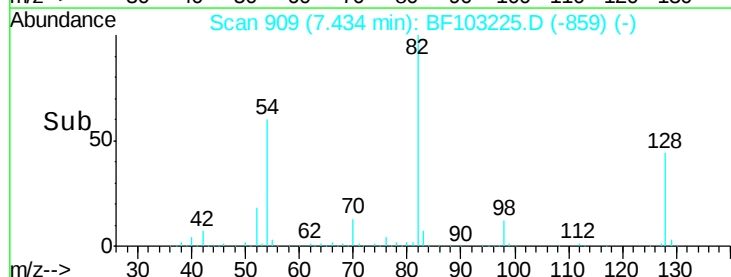


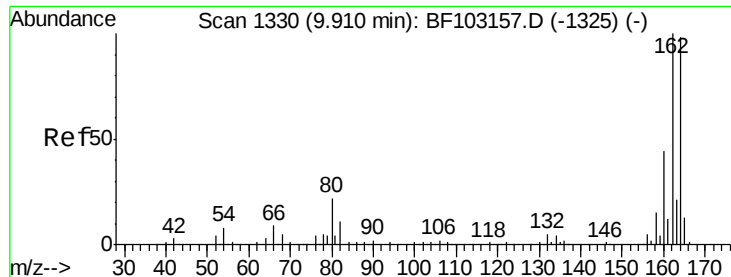
#23
Nitrobenzene-d5
Concen: 69.776 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	872401		
128	44.3	36.1	54.1	
54	59.9	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





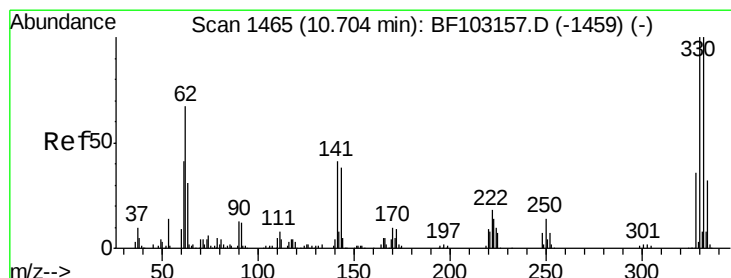
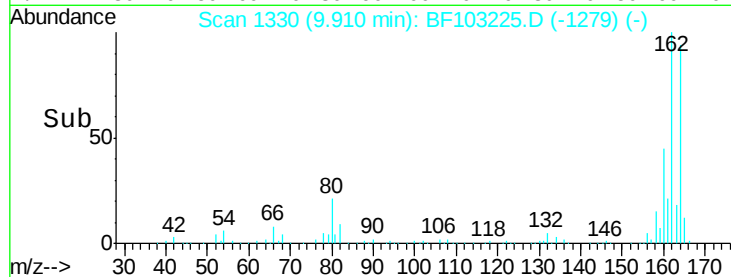
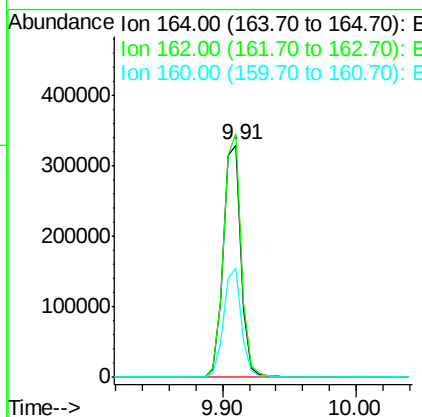
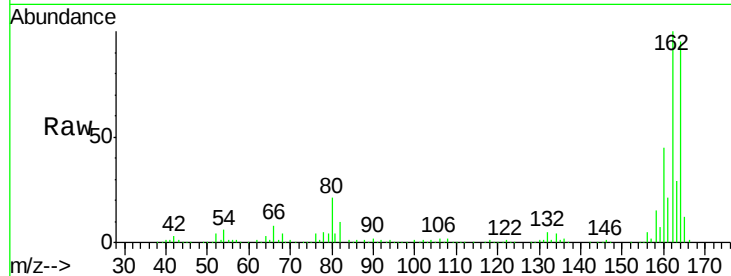
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampled :
B4

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	47.1	38.3	57.5

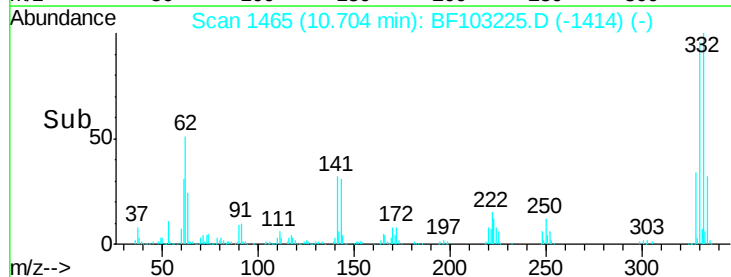
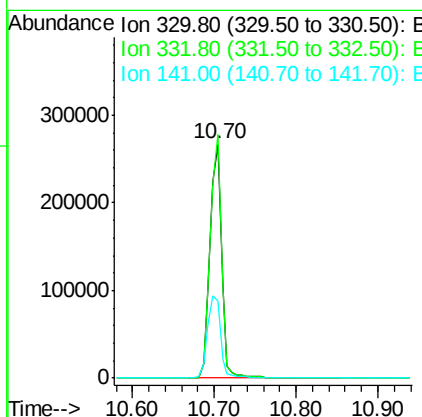
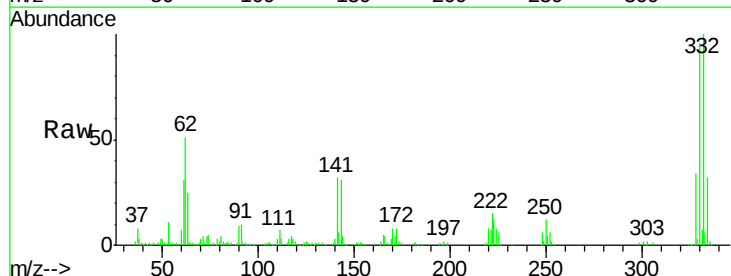
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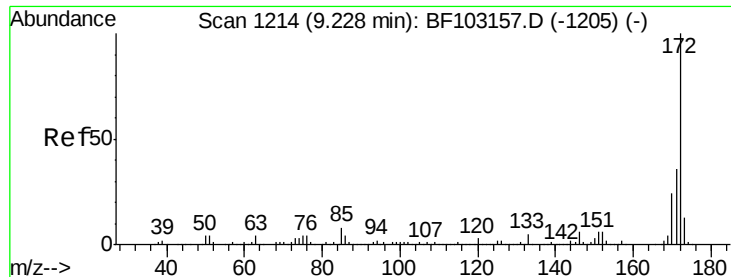
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#41
2,4,6-Tribromophenol
Concen: 99.750 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.0	77.0	115.6
141	40.0	29.9	44.9





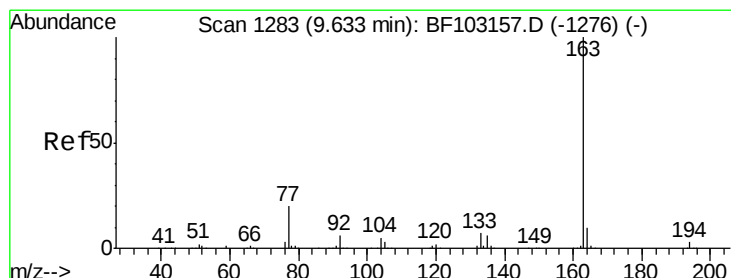
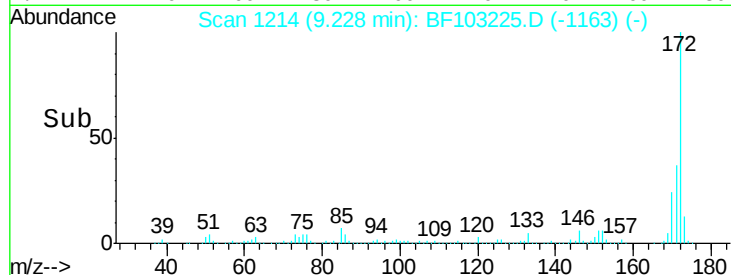
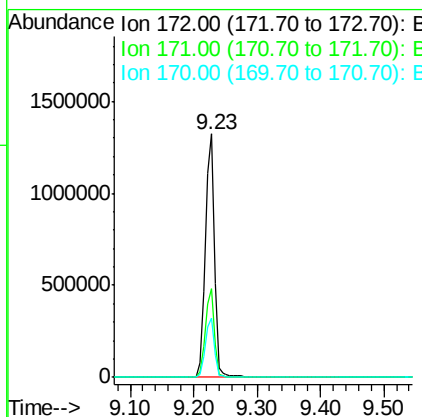
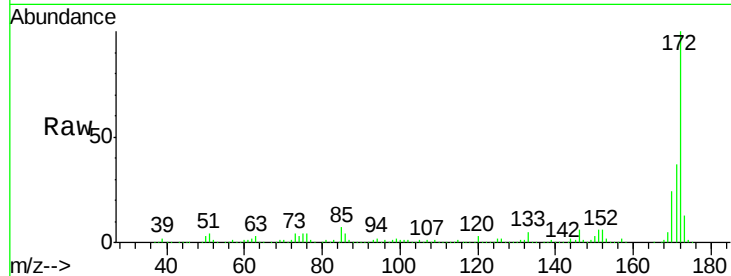
#44
 2-Fluorobiphenyl
 Concen: 67.683 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103225.D
 Acq: 26 Feb 2018 18:52

Instrument :
 BNA_F
 ClientSampleId :
 B4

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4

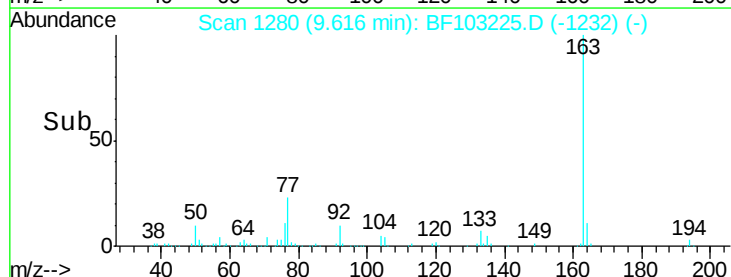
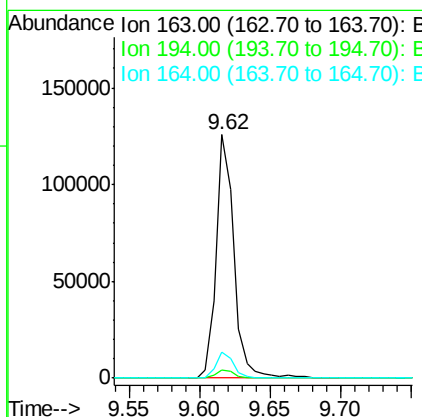
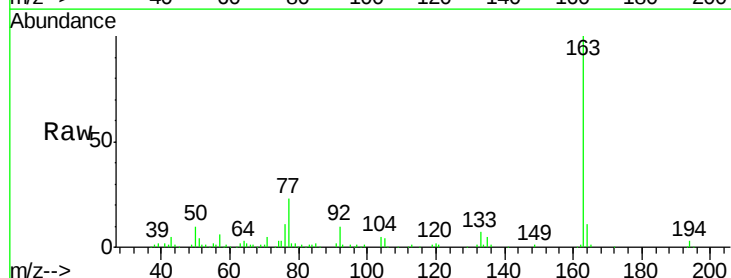
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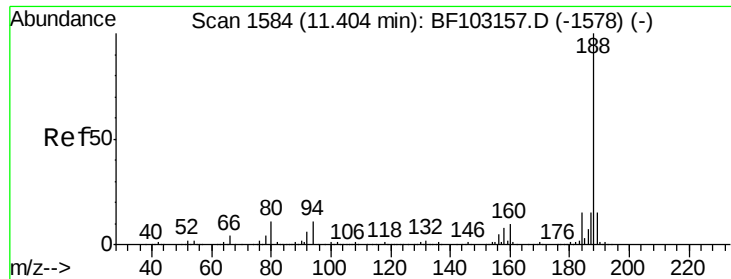
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#49
 Dimethylphthalate
 Concen: 4.365 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: BF103225.D
 Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.9	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103225.D

Acq: 26 Feb 2018 18:52

Instrument :

BNA_F

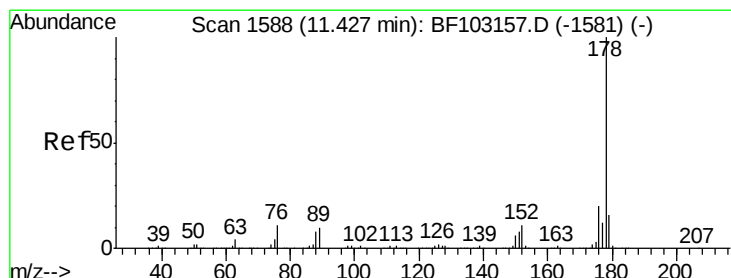
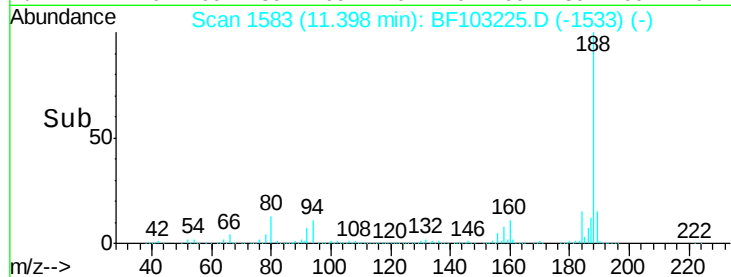
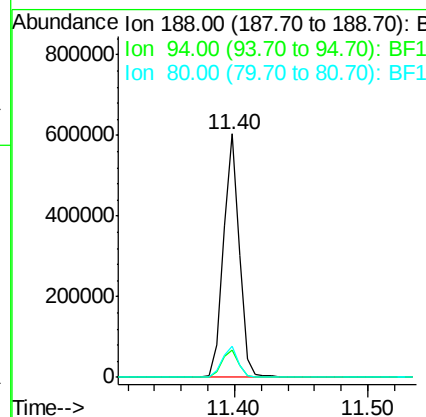
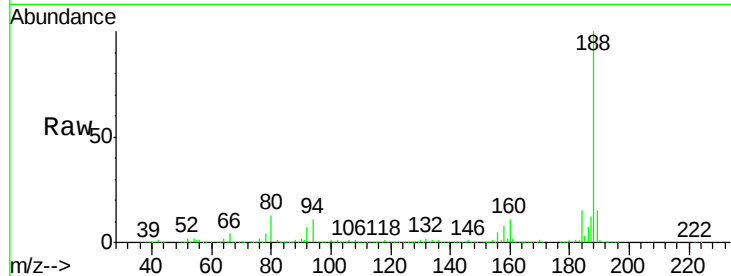
ClientSampleId :

B4

Tot Ion:	188	Resp:	509745
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	12.7	9.2	13.8

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#70

Phenanthrene

Concen: 8.419 ng

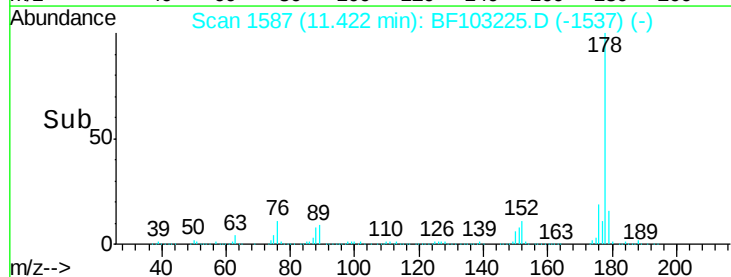
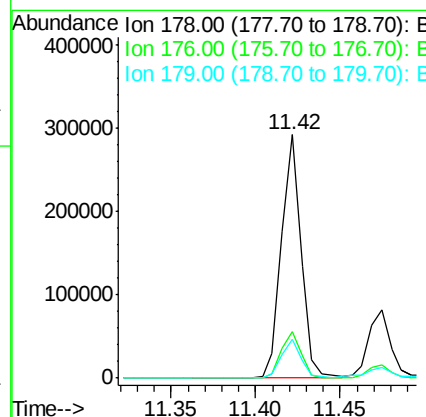
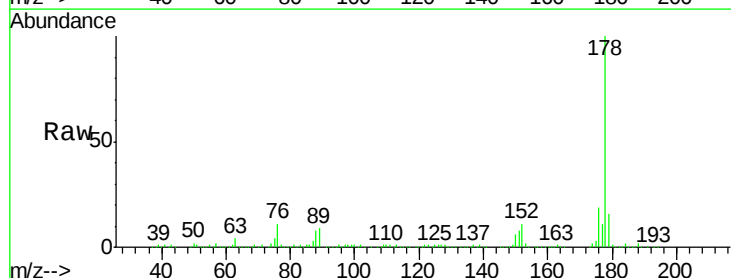
RT: 11.42 min Scan# 1587

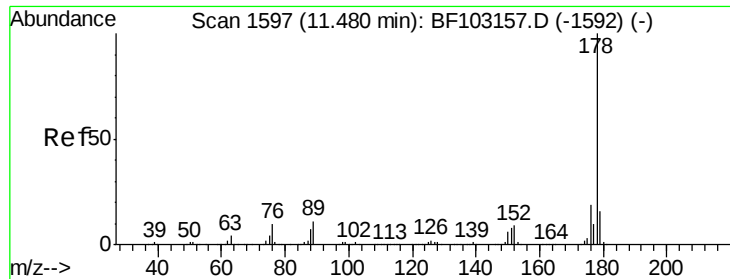
Delta R.T. -0.01 min

Lab File: BF103225.D

Acq: 26 Feb 2018 18:52

Tgt Ion:	178	Resp:	236188
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.7	13.0	19.6





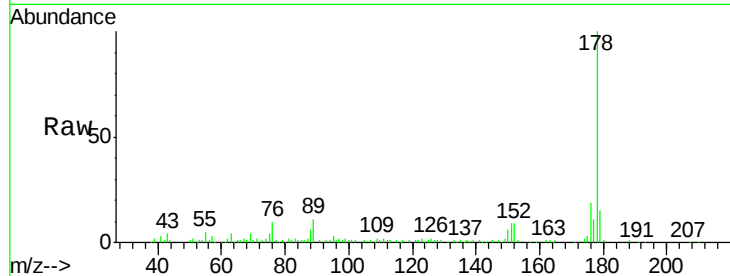
#71
 Anthracene
 Concen: 2.590 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103225.D
 Acq: 26 Feb 2018 18:52

Instrument :
 BNA_F
 ClientSampled :
 B4

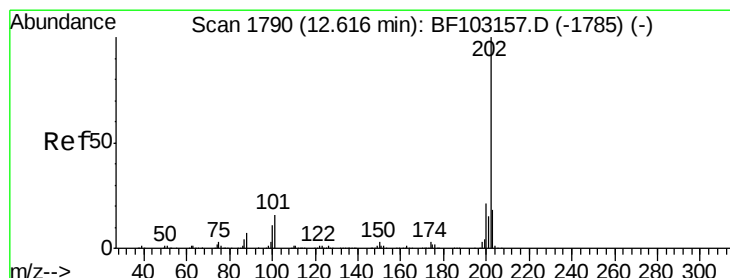
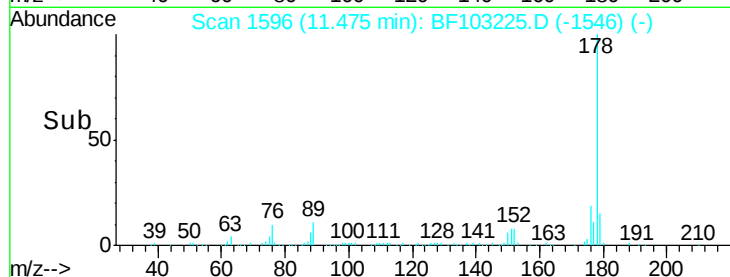
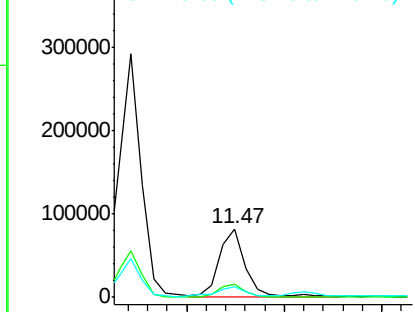
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.9	12.6	19.0

Manual Integrations
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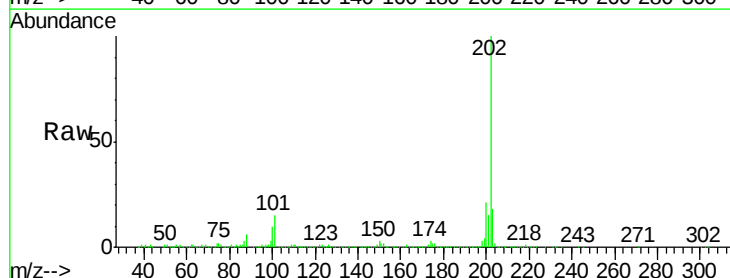


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

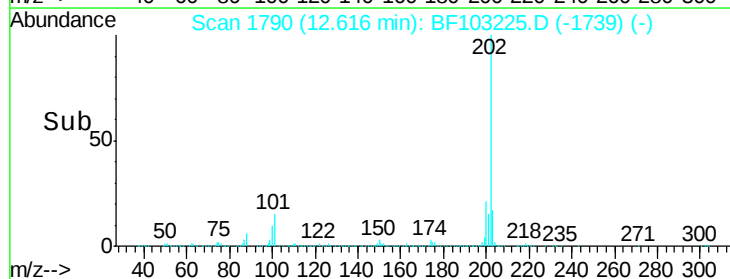
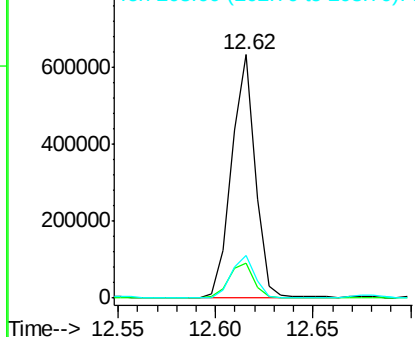


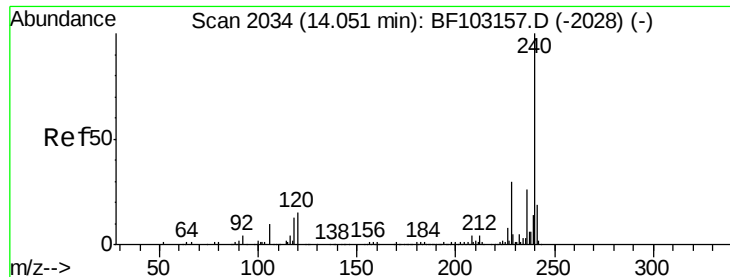
#74
 Fluoranthene
 Concen: 18.892 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BF103225.D
 Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103225.D

Acq: 26 Feb 2018 18:52

Instrument :

BNA_F

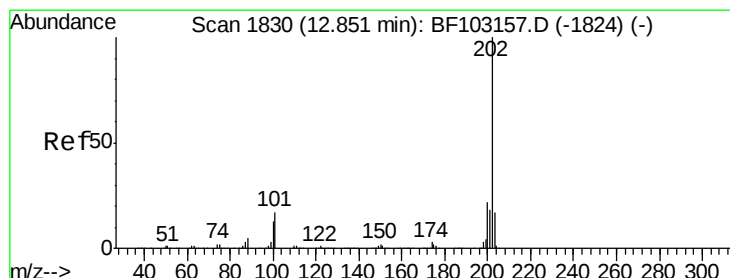
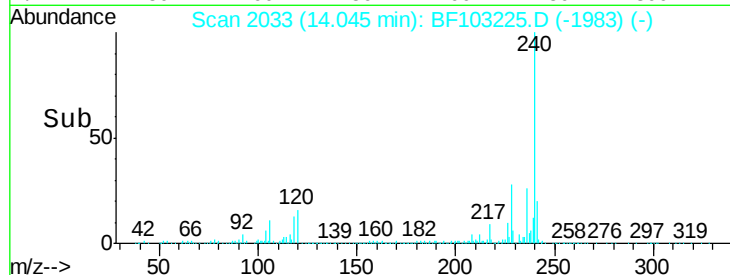
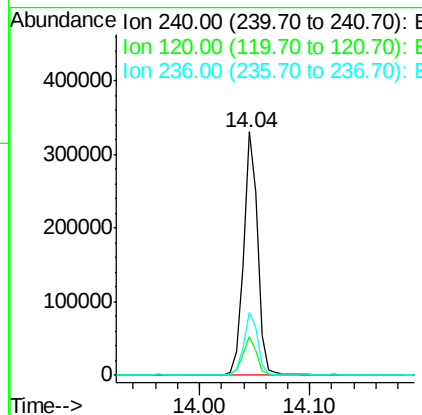
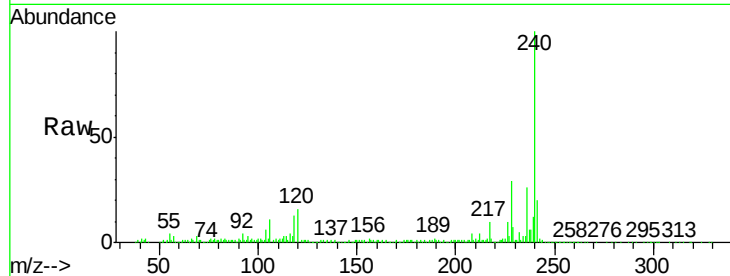
ClientSampled :

B4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	294130		
120	16.2	9.5	14.3#	
236	26.0	20.7	31.1	

Manual Integrations
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2/27/2018 12:22:55 PM



#77

Pyrene

Concen: 22.908 ng

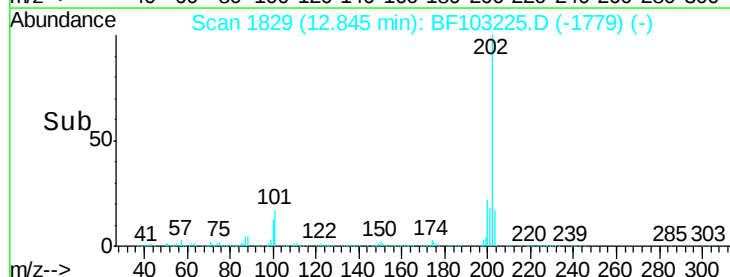
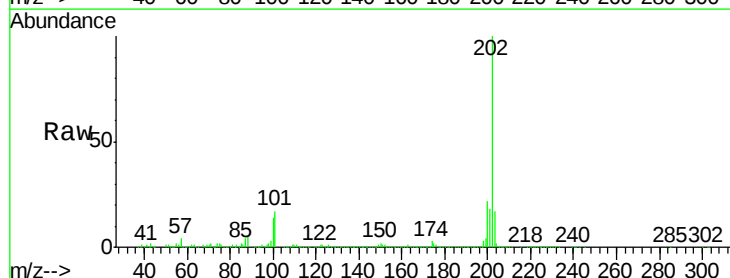
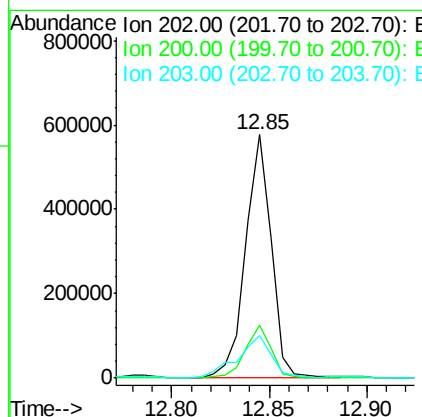
RT: 12.85 min Scan# 1829

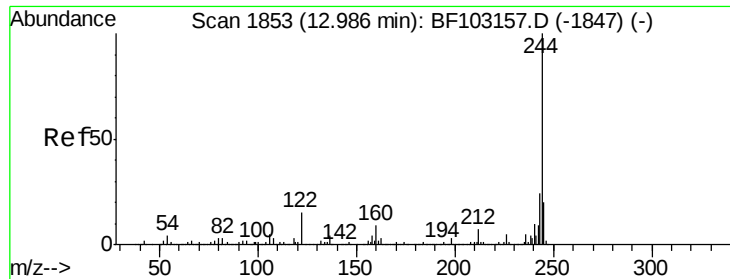
Delta R.T. -0.01 min

Lab File: BF103225.D

Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	525328		
200	21.8	17.4	26.2	
203	17.4	14.3	21.5	





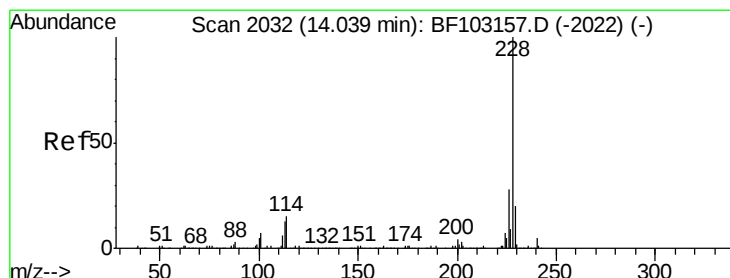
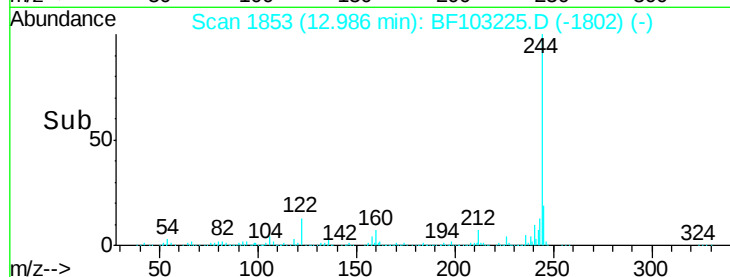
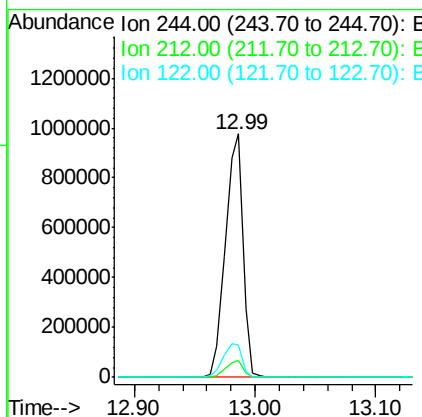
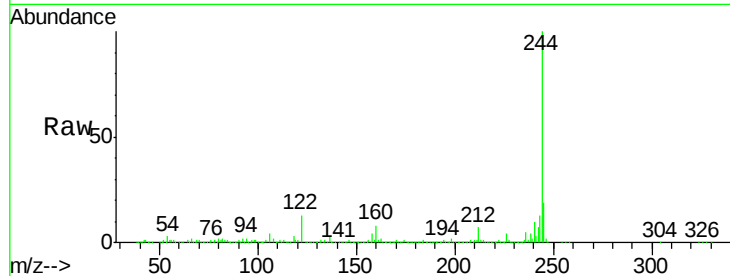
#78
 Terphenyl-d14
 Concen: 80.392 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF103225.D
 Acq: 26 Feb 2018 18:52

Instrument :
 BNA_F
 ClientSampleId :
 B4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.3	11.0	16.4

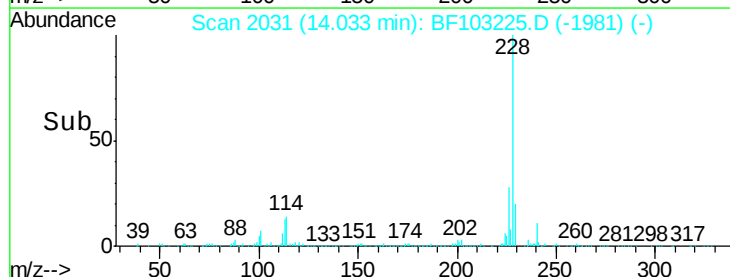
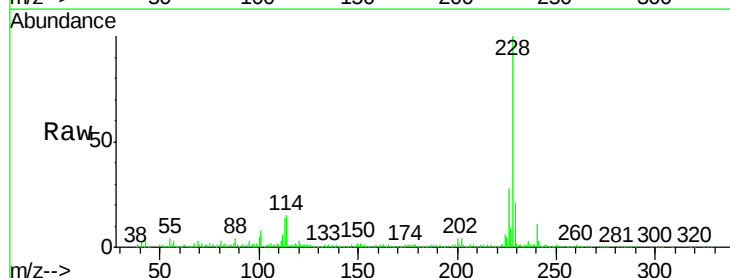
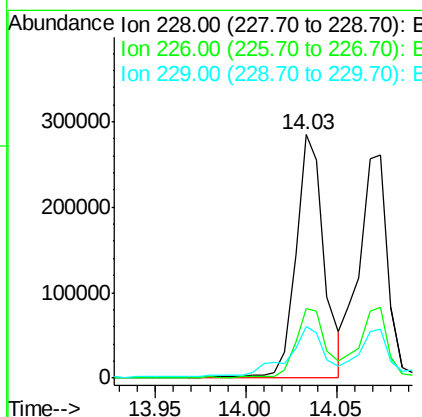
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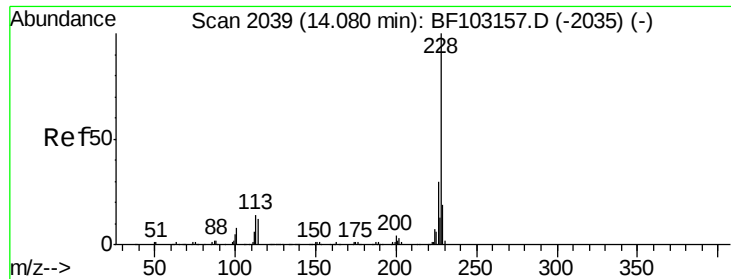
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#80
 Benzo(a)anthracene
 Concen: 16.152 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF103225.D
 Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.4	15.8	23.6





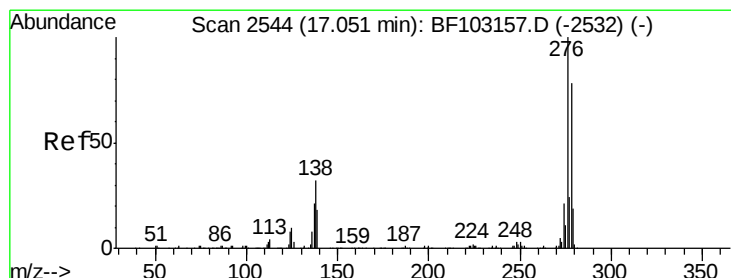
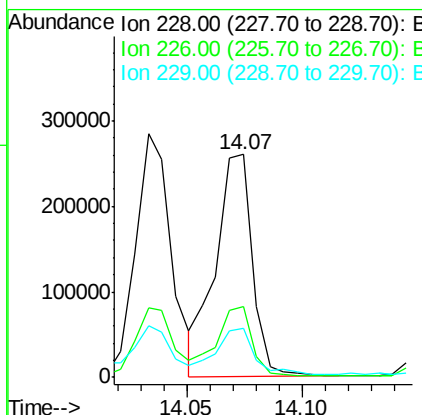
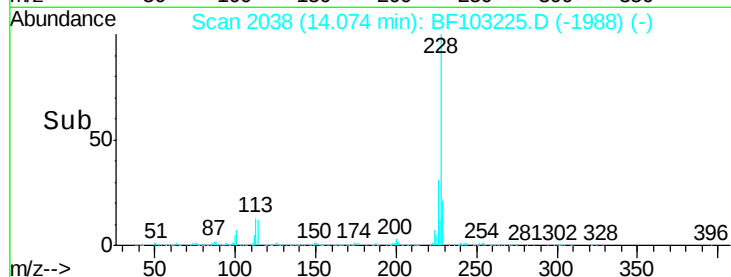
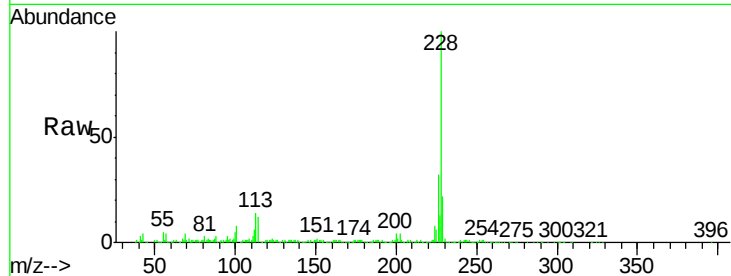
#82
Chrysene
Concen: 15.638 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion:	228	Resp:	289770
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	21.9	16.2	24.4

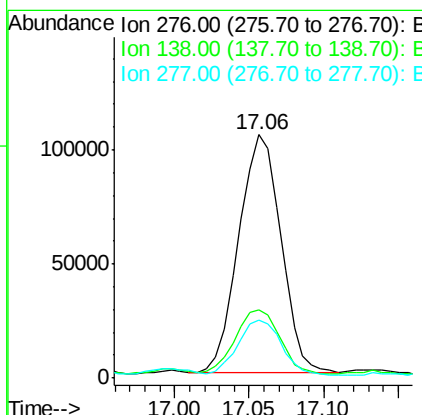
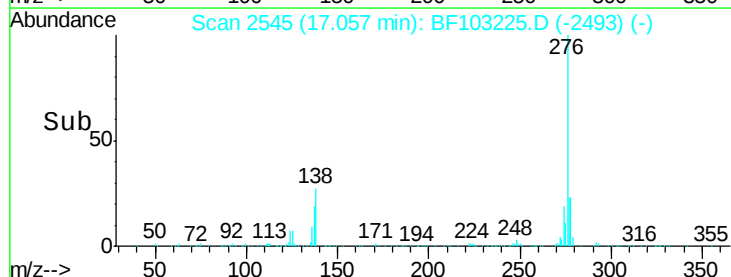
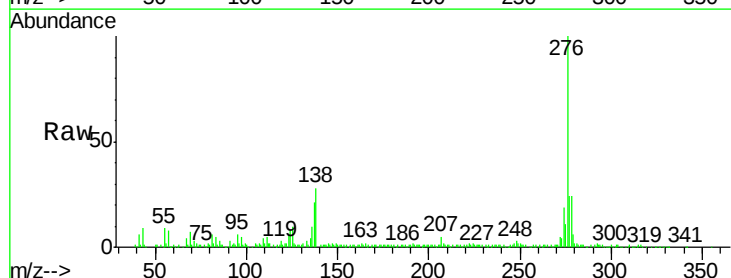
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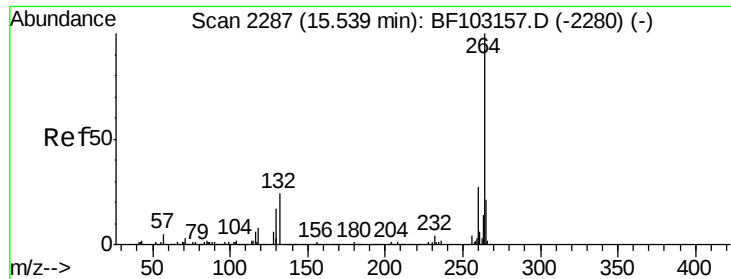
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2/27/2018 12:22:55 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 13.976 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion:	276	Resp:	205025
Ion Ratio	Lower	Upper	
276	100		
138	28.2	25.0	37.6
277	24.3	20.1	30.1





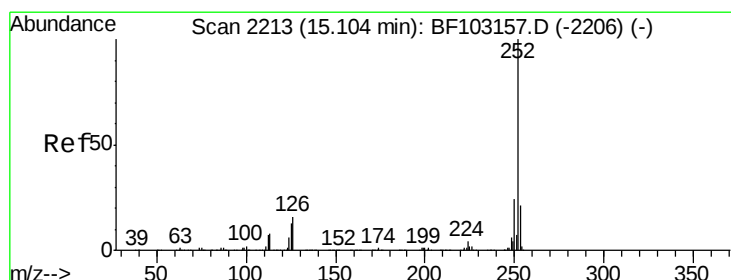
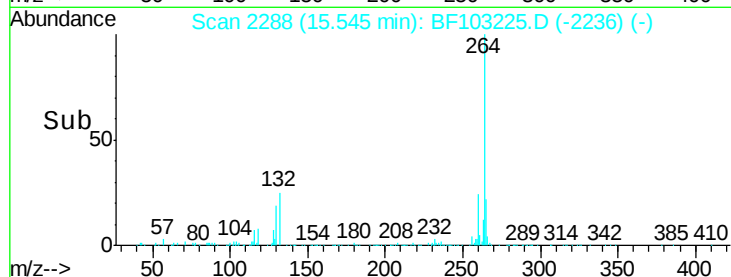
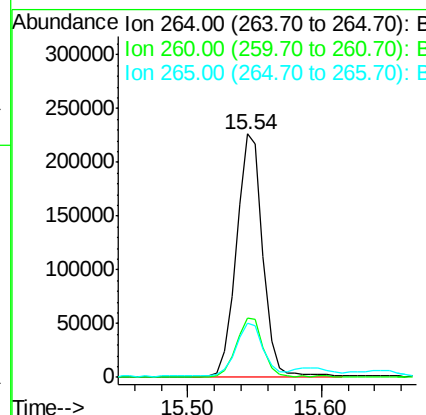
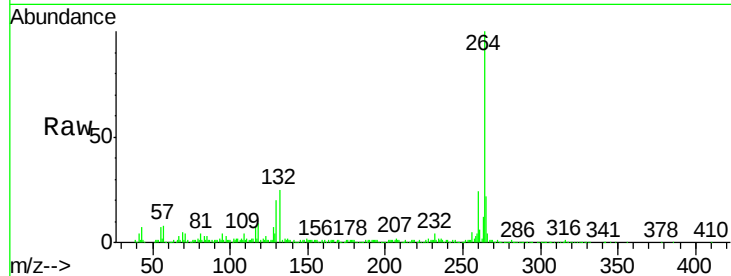
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampleId :
B4

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

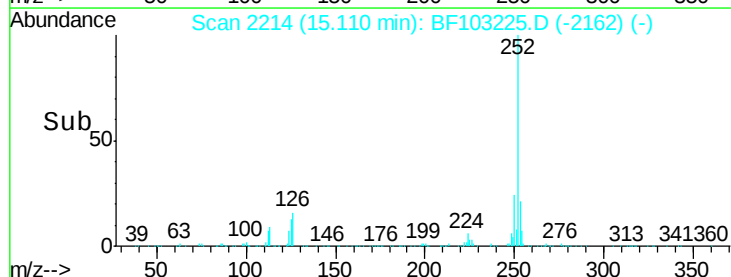
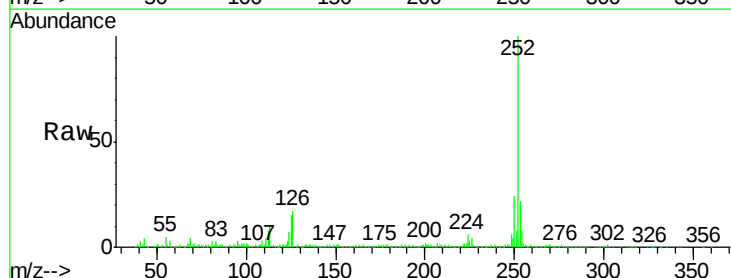
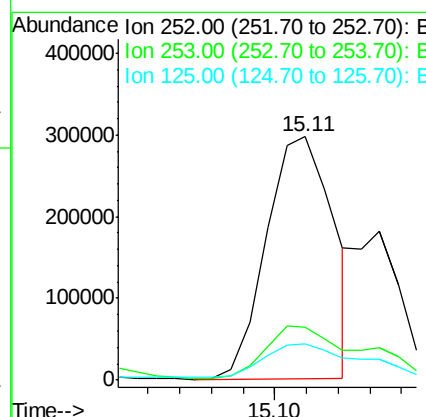
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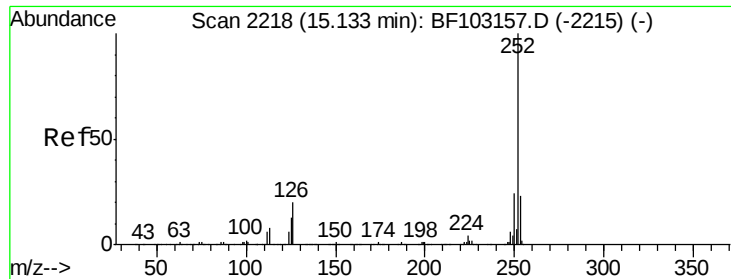
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#87
Benzo(b)fluoranthene
Concen: 21.536 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	14.8	9.0	13.6





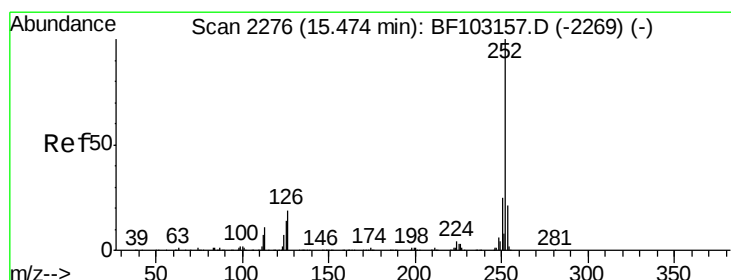
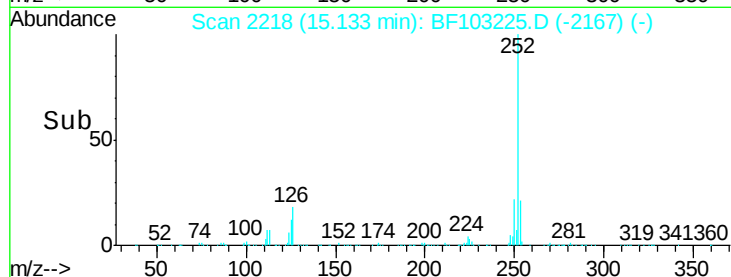
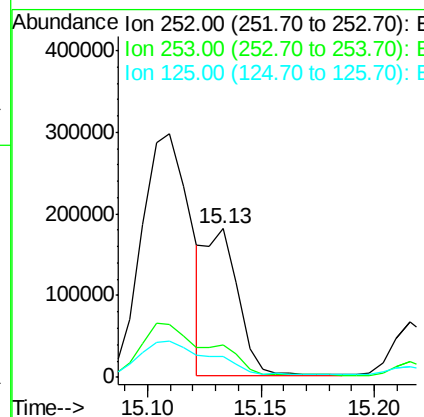
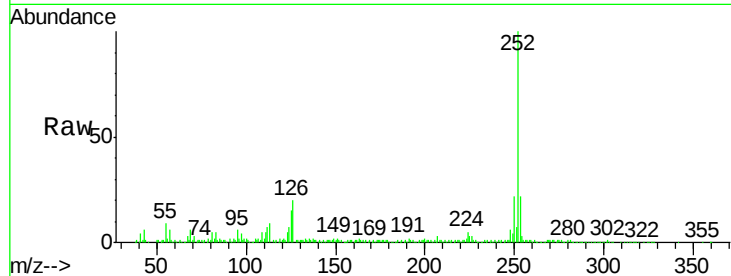
#88
Benzo(k)fluoranthene
Concen: 9.410 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampled :
B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	14.5	10.2	15.2

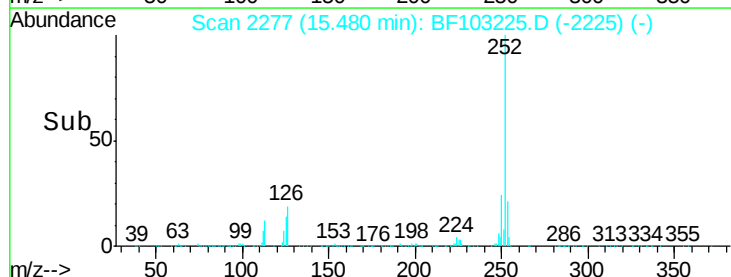
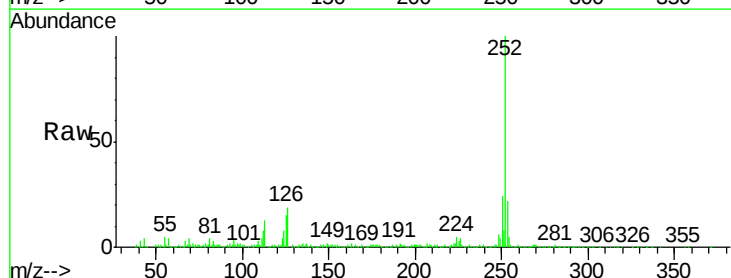
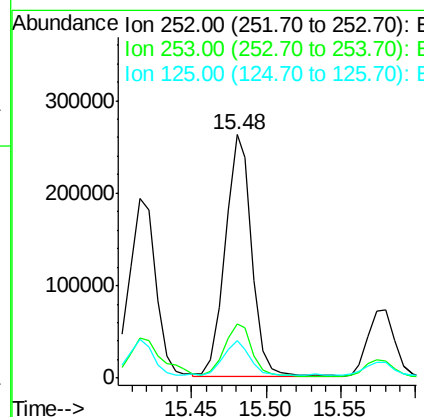
Manual Integrations
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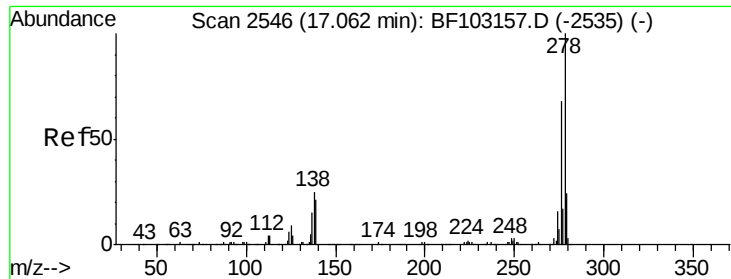
Sohil
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#89
Benzo(a)pyrene
Concen: 18.096 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.4	9.8	14.6





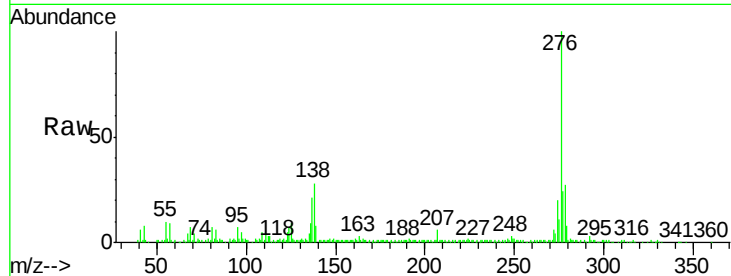
#90
Dibenzo(a,h)anthracene
Concen: 4.122 ng m
RT: 17.06 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Instrument :
BNA_F
ClientSampleId :
B4

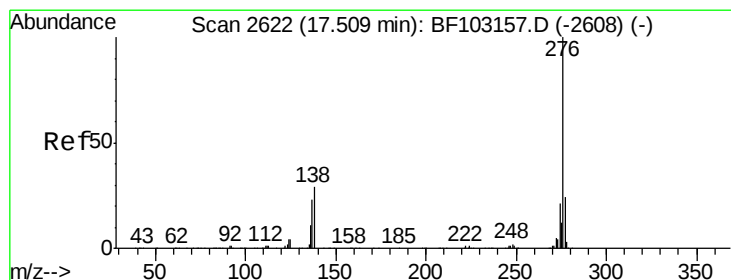
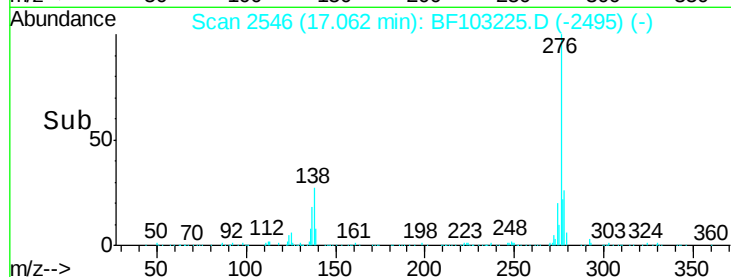
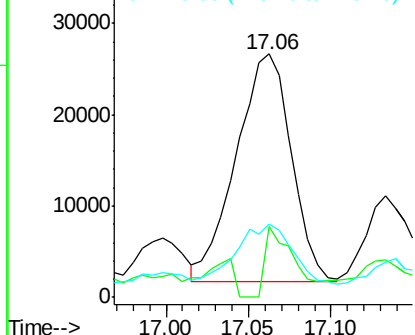
Tot Ion	Ratio	Lower	Upper
278	100		
139	29.3	15.9	23.9#
279	29.9	19.0	28.4#

Manual Integrations
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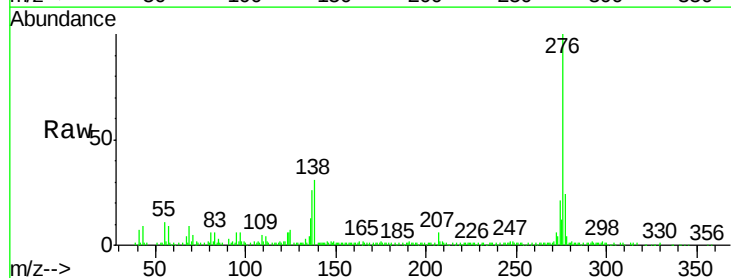


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 14.104 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.01 min
Lab File: BF103225.D
Acq: 26 Feb 2018 18:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	30.6	21.8	32.8



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

