

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103224.D
 Acq On : 26 Feb 2018 18:26
 Operator : SJ/JU
 Sample : J1691-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2

Manual Integrations
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Sohil
 2/27/2018 12:22:52 PM

Quant Time: Feb 27 00:45:28 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	147514	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	594611	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	236621	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	336187	20.00	ng	0.00
75) Chrysene-d12	14.05	240	249566	20.00	ng	0.00
86) Perylene-d12	15.55	264	297972	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	981300	100.61	ng	0.00
7) Phenol-d6	6.50	99	1144095	95.86	ng	0.00
23) Nitrobenzene-d5	7.43	82	736907	70.78	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	173524	86.64	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1040190	73.26	ng	0.00
78) Terphenyl-d14	12.98	244	679817	65.48	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	31999	2.310	ng	97
31) Naphthalene	8.17	128	88872	3.053	ng	98
49) Dimethylphthalate	9.62	163	51892	2.734	ng	96
51) Acenaphthene	9.94	154	107201	7.617	ng	99
54) Dibenzofuran	10.11	168	63845	3.305	ng	97
57) Fluorene	10.46	166	91332	5.550	ng	98
70) Phenanthrene	11.42	178	798292	43.148	ng	99
71) Anthracene	11.47	178	214993	11.332	ng	98
72) Carbazole	11.63	167	119007	6.299	ng	97
74) Fluoranthene	12.62	202	930385	50.043	ng	99
77) Pyrene	12.85	202	809174	41.586	ng	99
80) Benzo(a)anthracene	14.03	228	444514	27.451	ng	99
82) Chrysene	14.07	228	400760	25.489	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	268060	21.535	ng	95
87) Benzo(b)fluoranthene	15.12	252	536364m	27.378	ng	
88) Benzo(k)fluoranthene	15.14	252	215680m	11.691	ng	
89) Benzo(a)pyrene	15.49	252	424657	24.273	ng	# 94
90) Dibenzo(a,h)anthracene	17.06	278	67323	4.980	ng	# 76
91) Benzo(a,h,i)perylene	17.52	276	239751	18.146	ng	98

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

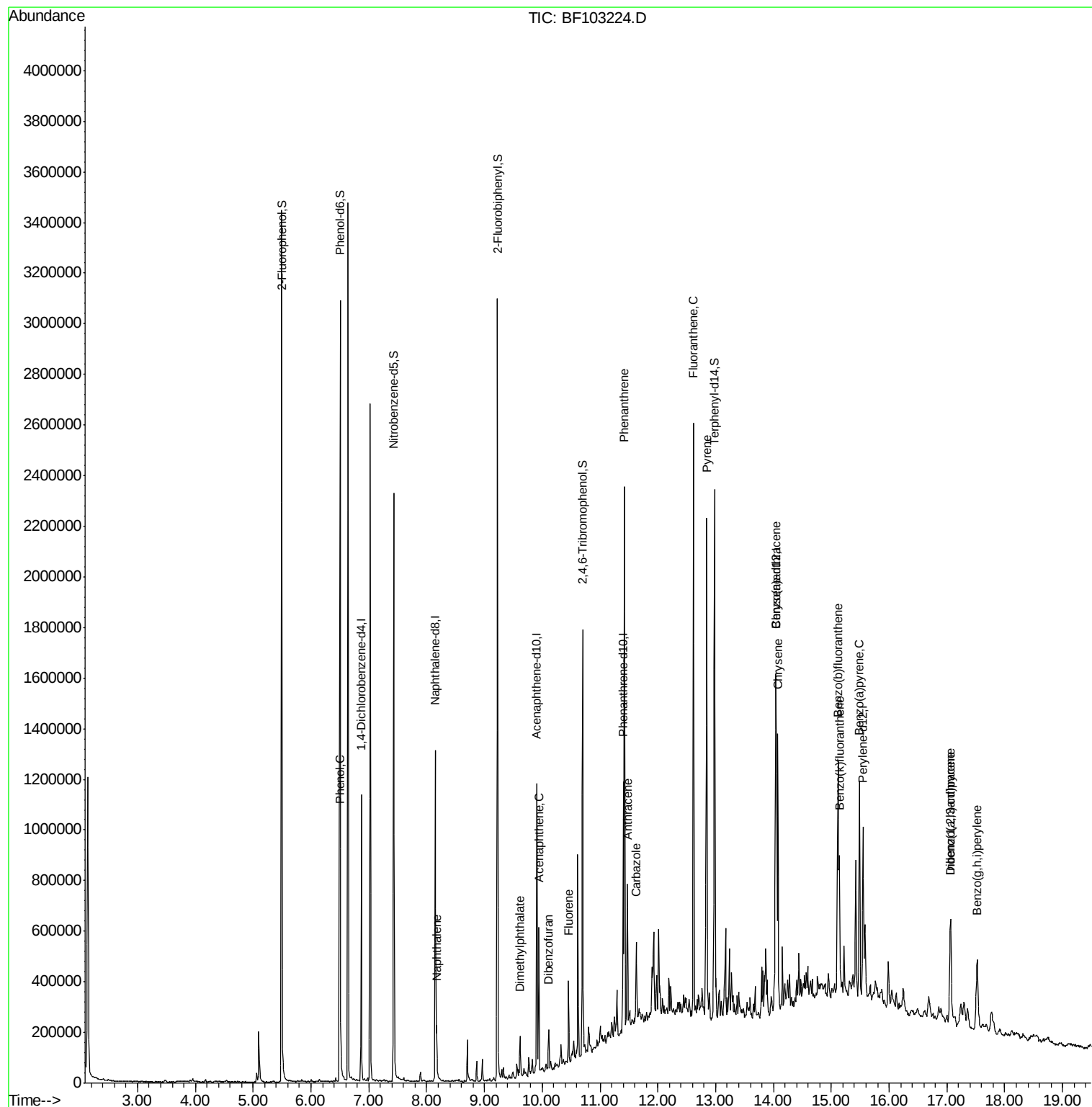
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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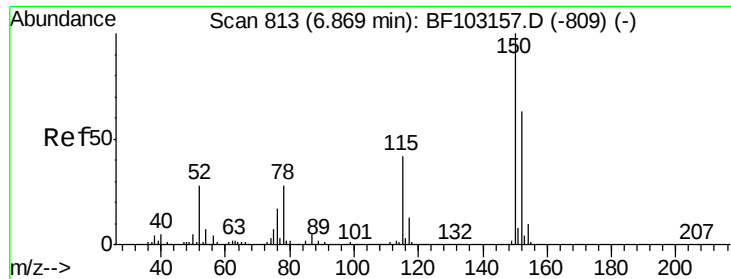
Instrument :
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B2

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#1

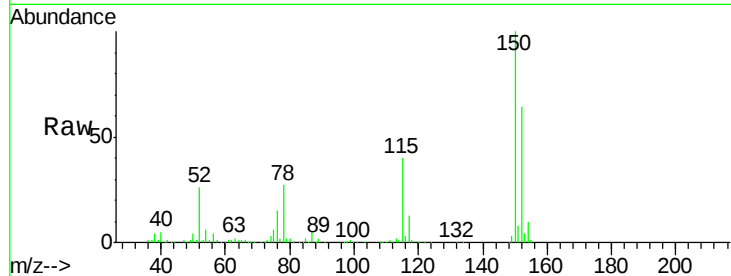
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	62.4	50.1	75.1

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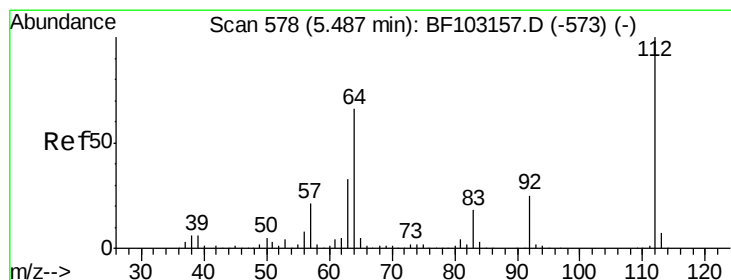
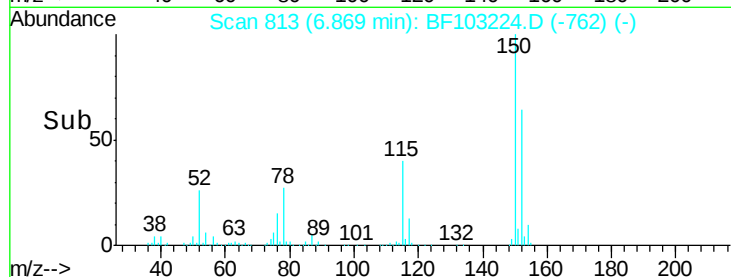
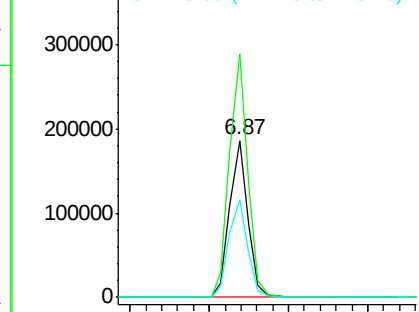


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

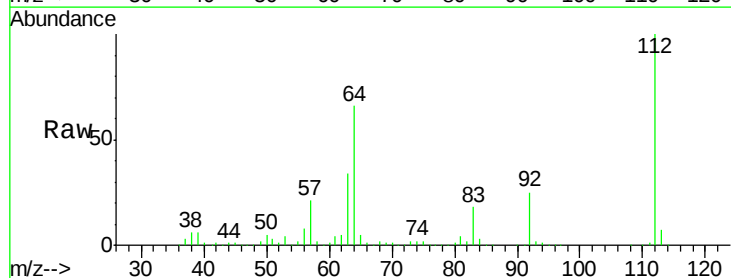
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.611 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	33.5	23.7	35.5

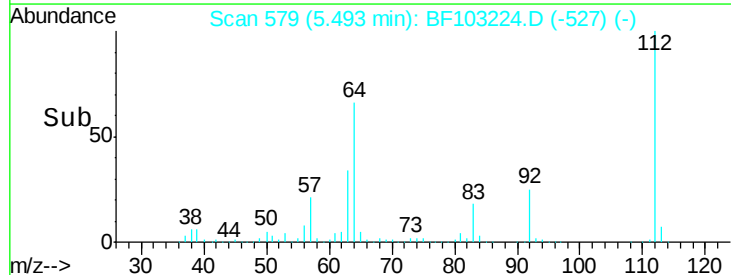
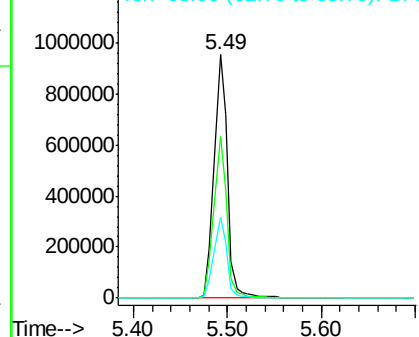


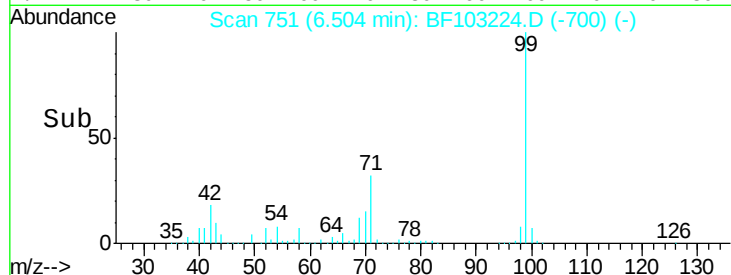
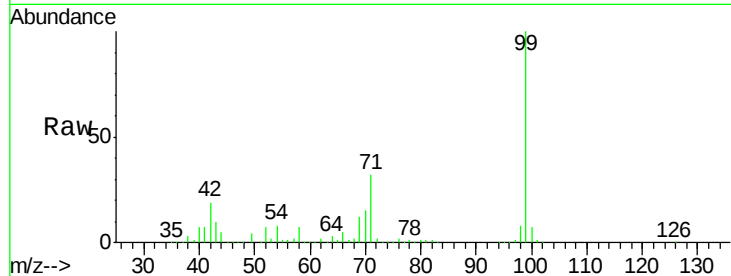
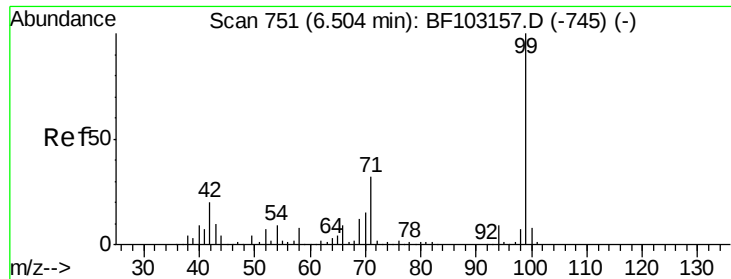
Abundance

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: 95.862 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Tot Ion:	99	Resp:	1144095
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.5	21.7
71	31.6	25.4	38.0

Instrument :

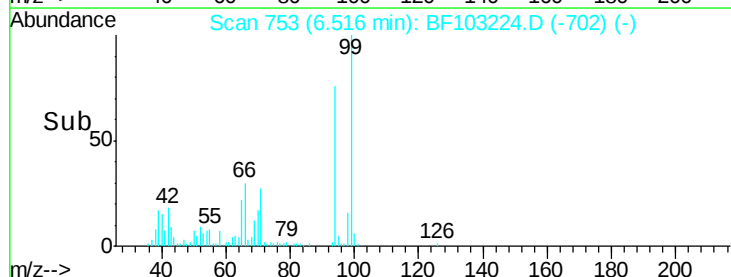
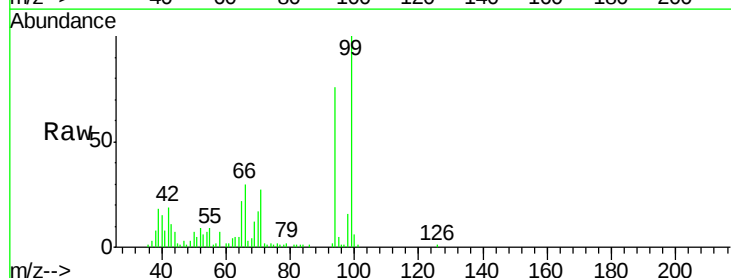
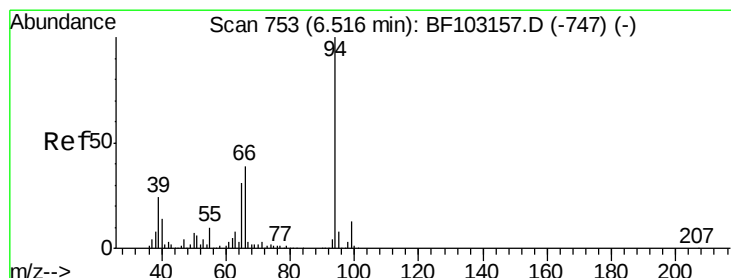
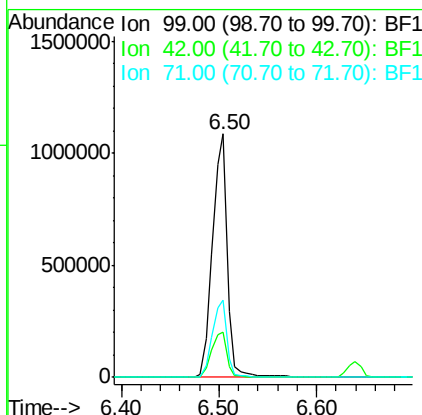
BNA_F

ClientSampled :

B2

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#10

Phenol

Concen: 2.310 ng

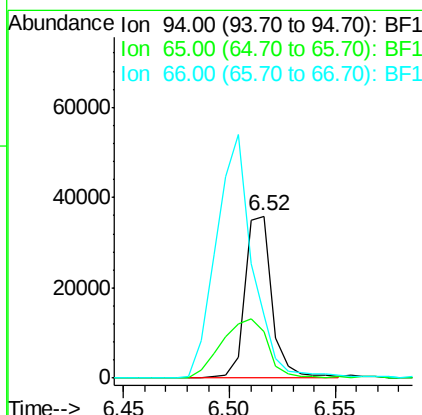
RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Tgt Ion:	94	Resp:	31999
Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.9	47.9
66	38.8	16.2	56.2





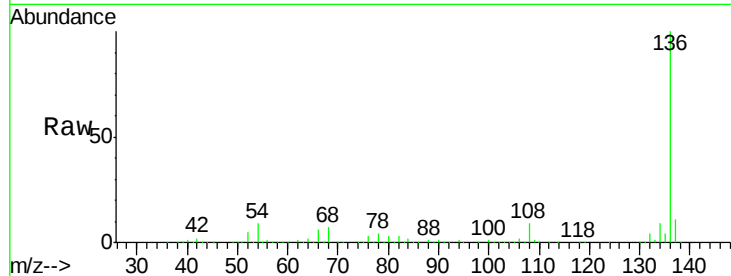
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampled :
B2

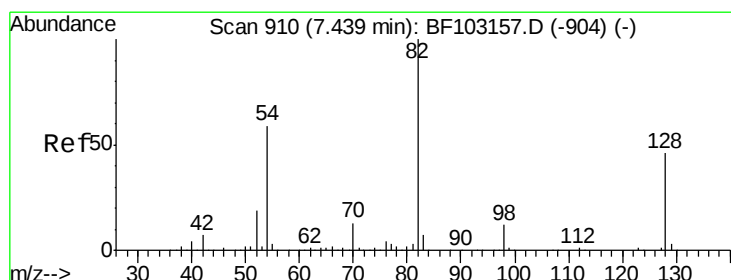
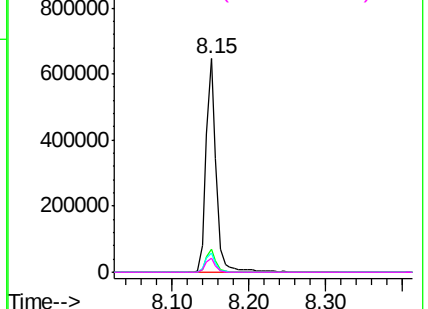
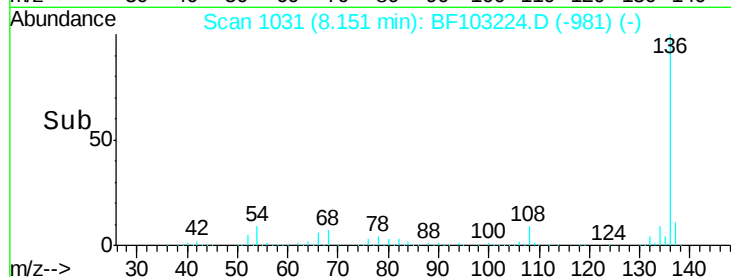
Tot Ion	Ratio	Resp	Lower	Upper
136	100	594611		
137	10.9		8.9	13.3
54	9.3		6.6	9.8
68	6.6		5.0	7.4

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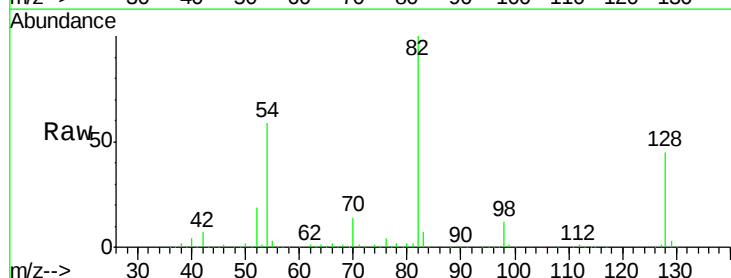


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

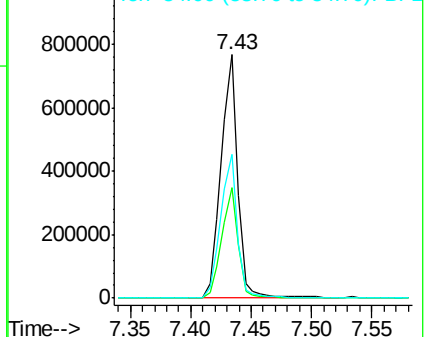
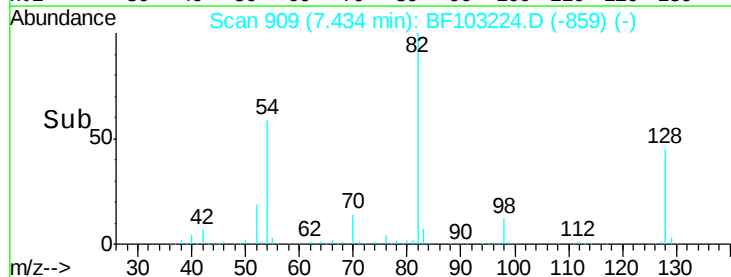


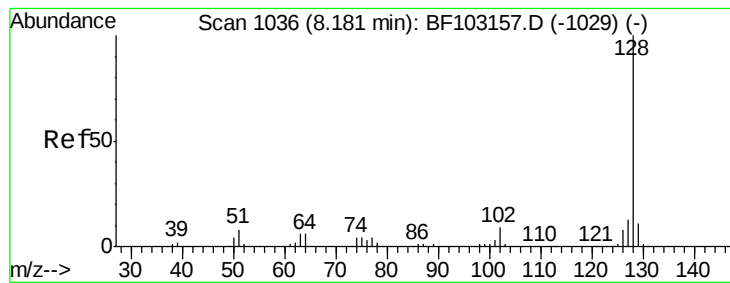
#23
Nitrobenzene-d5
Concen: 70.775 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	736907		
128	45.4		36.1	54.1
54	59.0		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





#31

Naphthalene

Concen: 3.053 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Instrument :

BNA_F

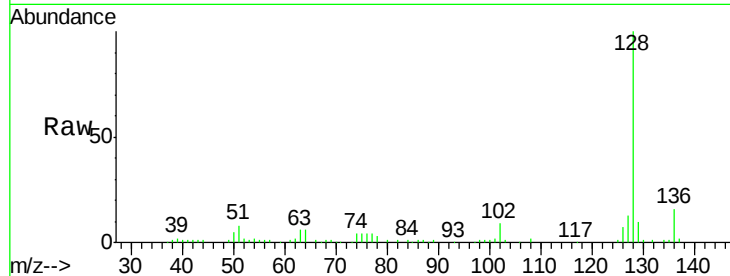
ClientSampleId :

B2

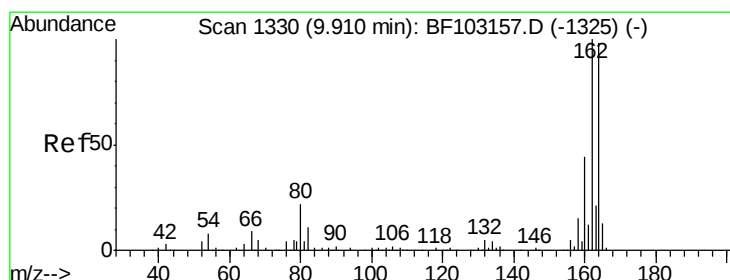
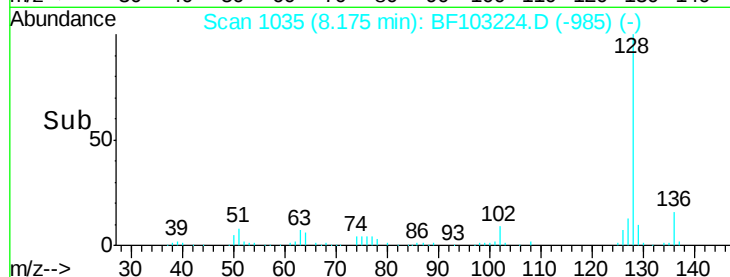
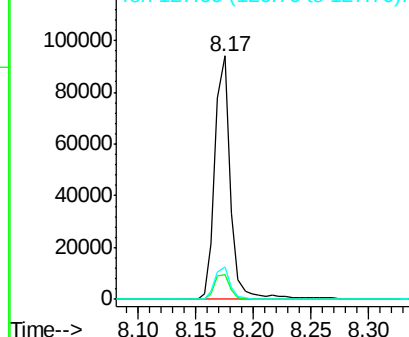
Tot Ion:	128	Resp:	88872
Ion Ratio	Lower	Upper	
128	100		
129	10.0	8.8	13.2
127	13.3	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

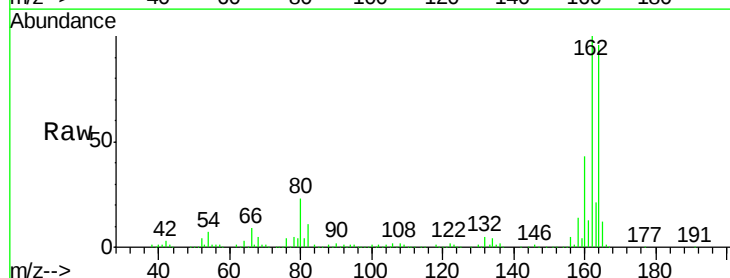
RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

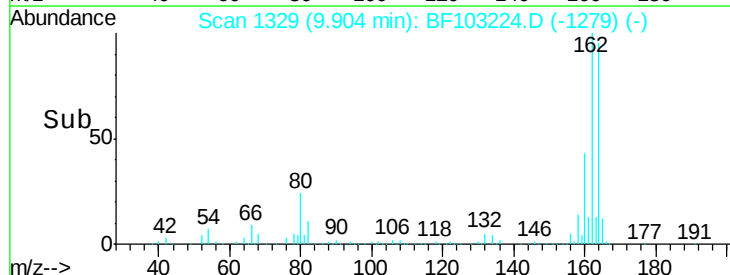
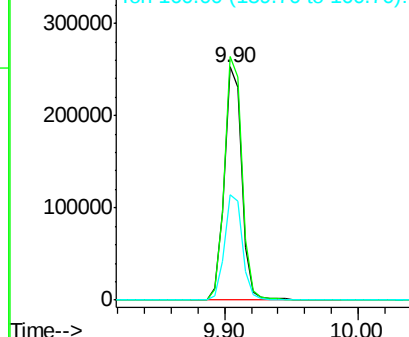
Lab File: BF103224.D

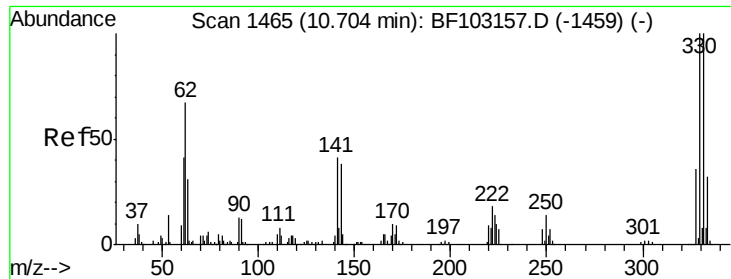
Acq: 26 Feb 2018 18:26

Tgt Ion:	164	Resp:	236621
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	45.2	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





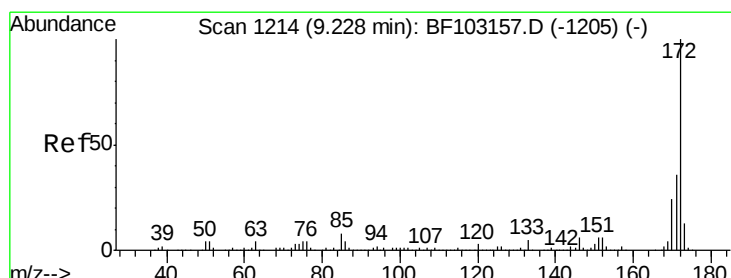
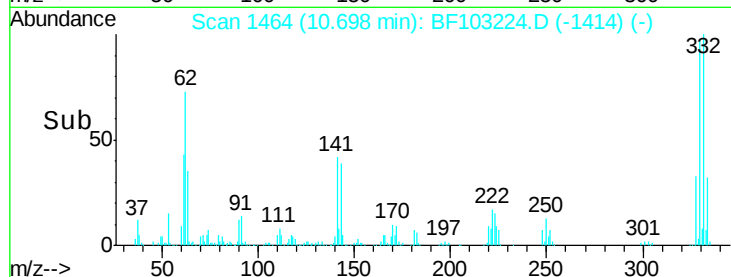
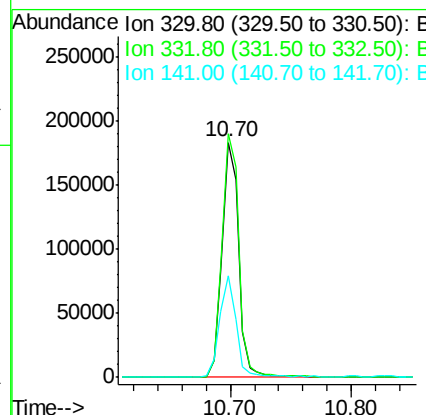
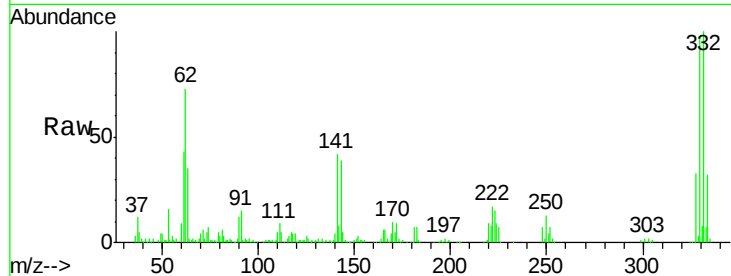
#41
 2,4,6-Tribromophenol
 Concen: 86.638 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103224.D
 Acq: 26 Feb 2018 18:26

Instrument :
 BNA_F
 ClientSampled :
 B2

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.9	77.0	115.6
141	42.7	29.9	44.9

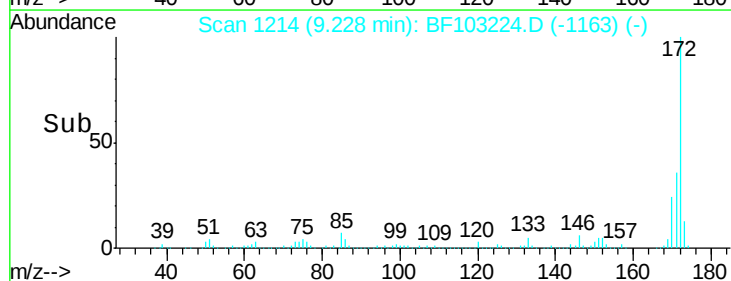
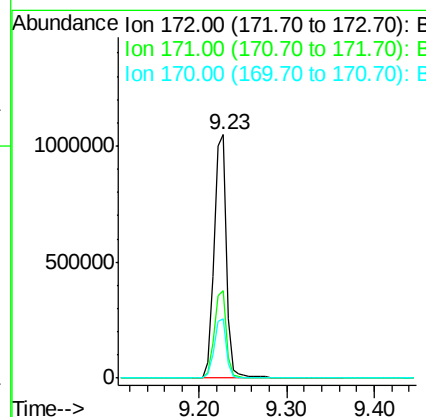
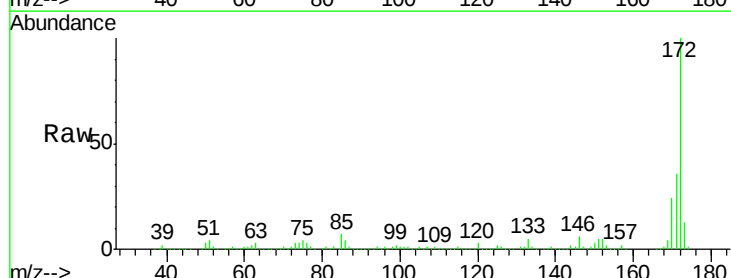
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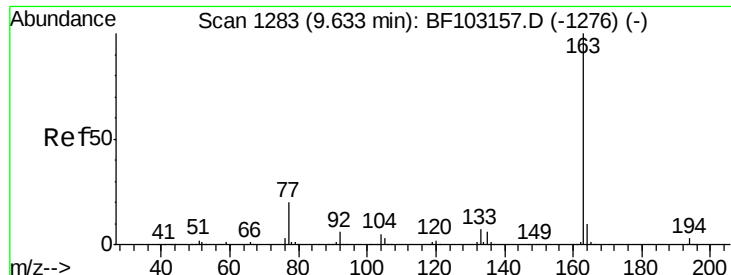
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#44
 2-Fluorobiphenyl
 Concen: 73.256 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103224.D
 Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.3	19.6	29.4





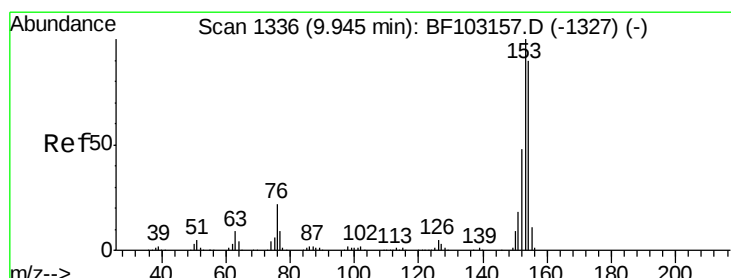
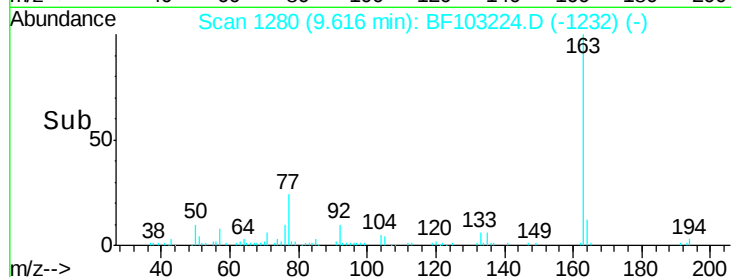
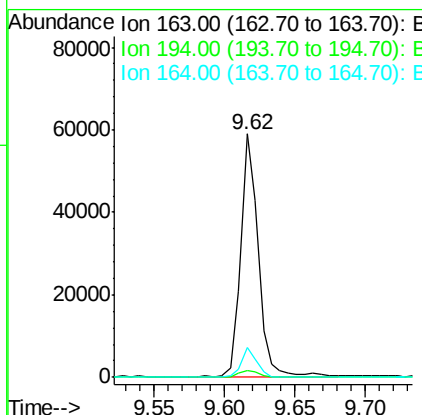
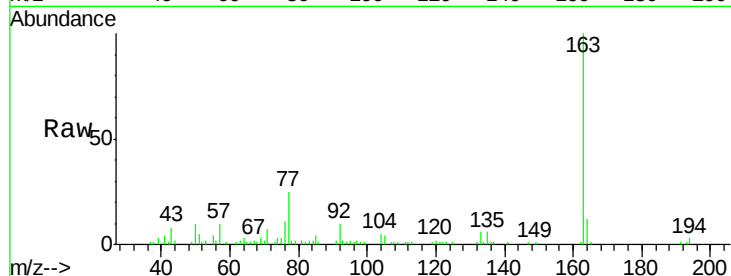
#49
Dimethylphthalate
Concen: 2.734 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	12.1	8.2	12.2

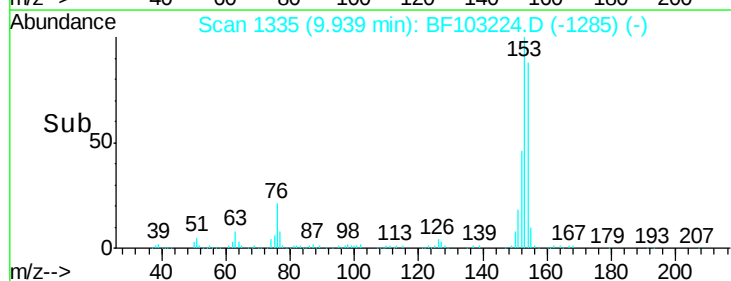
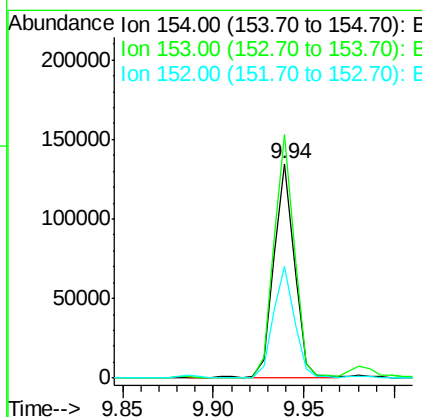
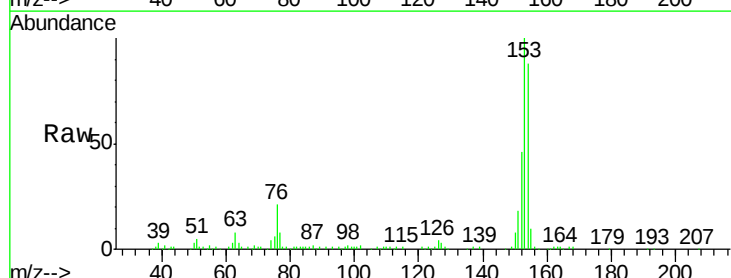
Manual Integrations
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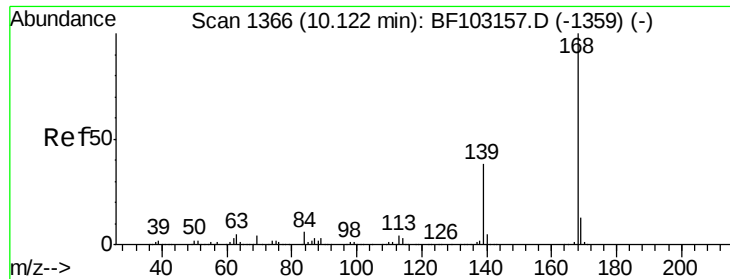
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#51
Acenaphthene
Concen: 7.617 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.2	136.8
152	52.3	43.8	65.8





#54

Dibenzenofuran

Concen: 3.305 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Instrument :

BNA_F

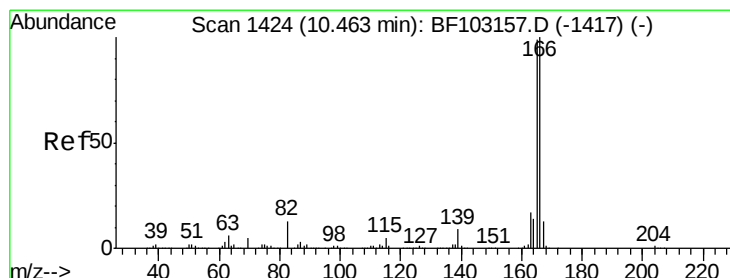
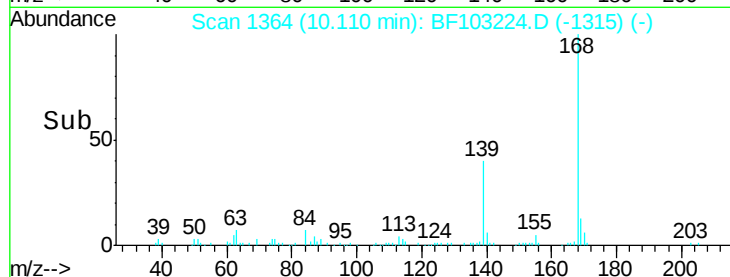
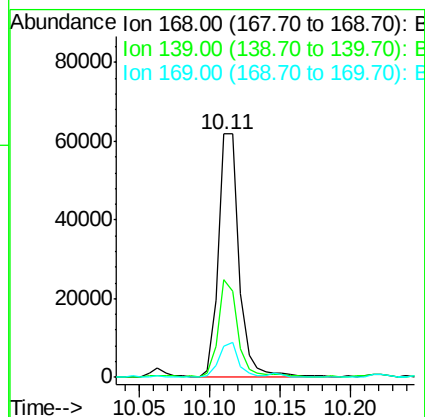
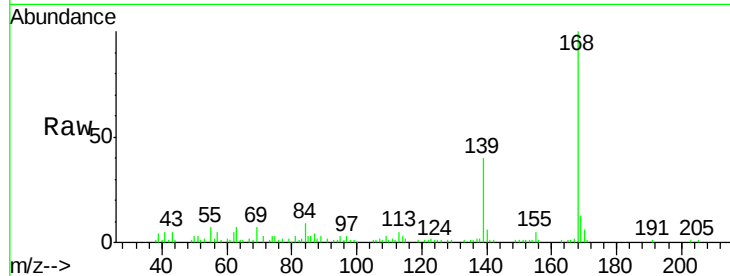
ClientSampleId :

B2

Tot Ion:	168	Resp:	63845
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.1	45.1
169	12.8	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 5.550 ng

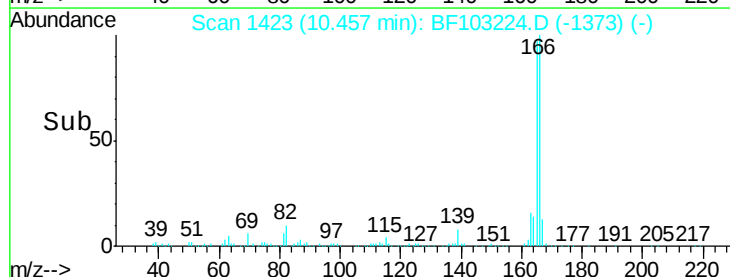
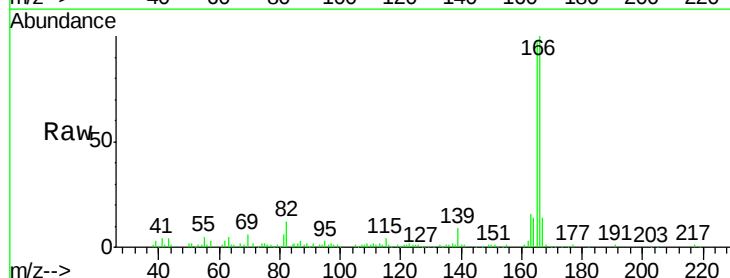
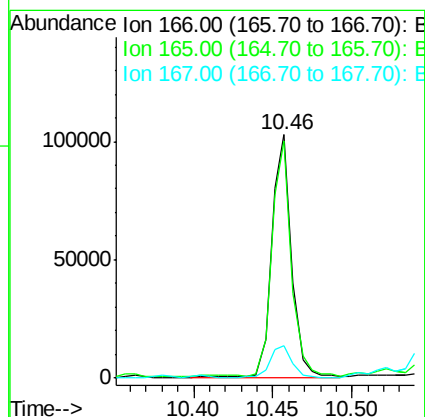
RT: 10.46 min Scan# 1423

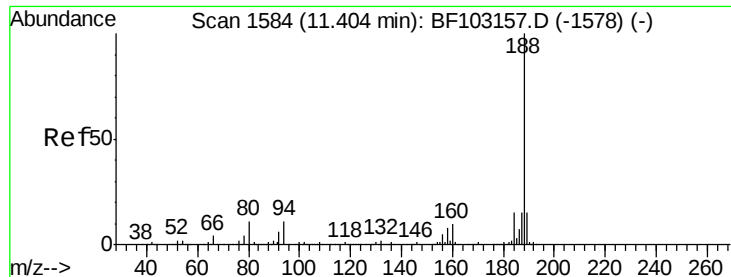
Delta R.T. -0.00 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Tgt Ion:	166	Resp:	91332
Ion Ratio	Lower	Upper	
166	100		
165	97.3	79.8	119.8
167	13.5	10.6	16.0





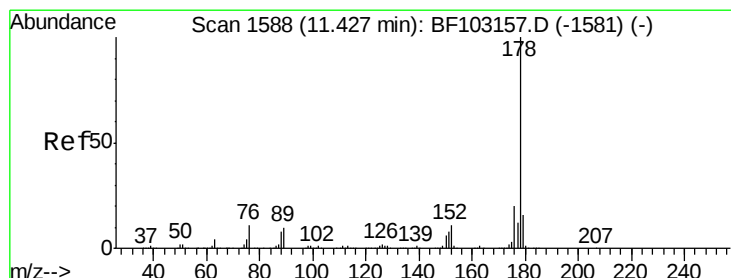
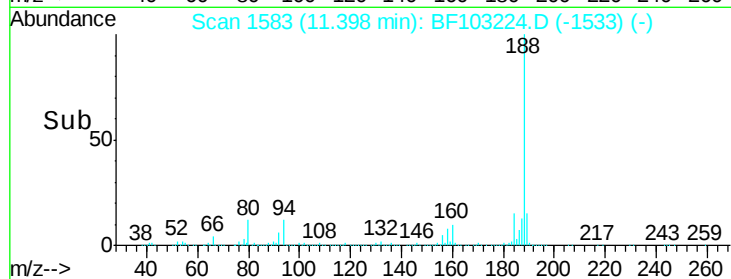
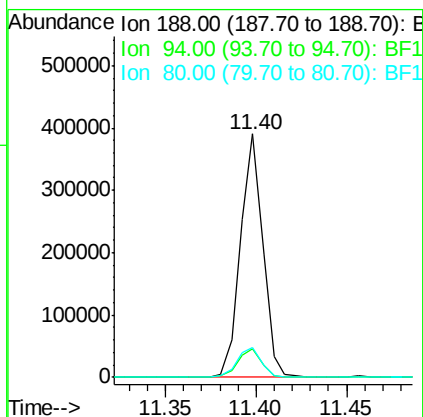
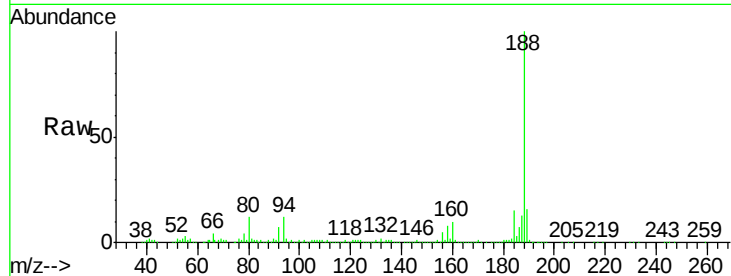
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.4	9.2	13.8

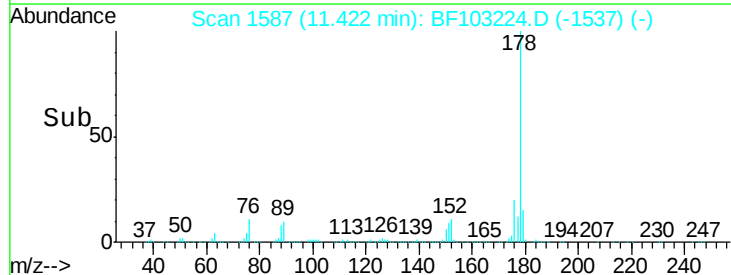
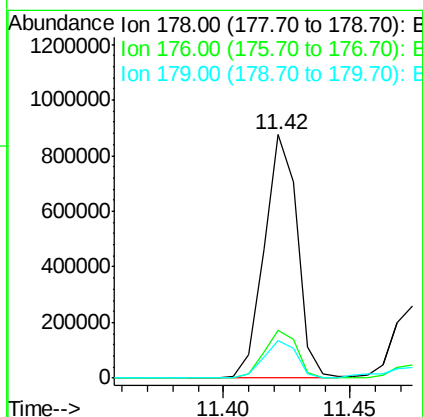
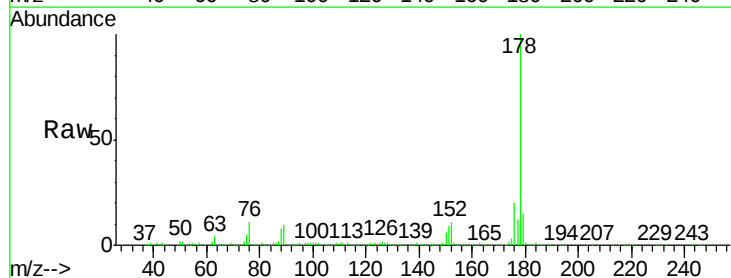
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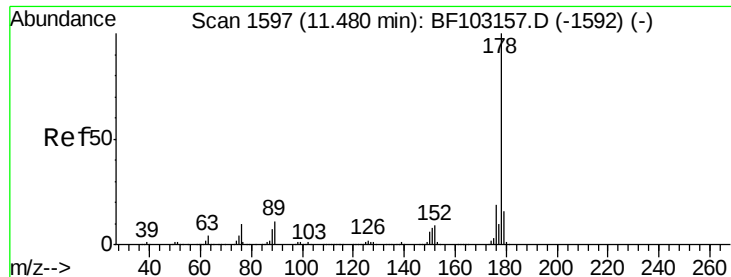
Sohil
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#70
Phenanthrene
Concen: 43.148 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6





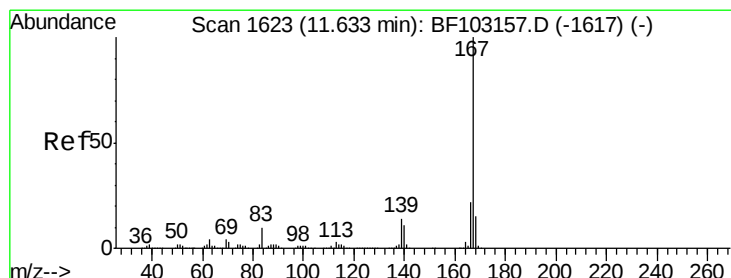
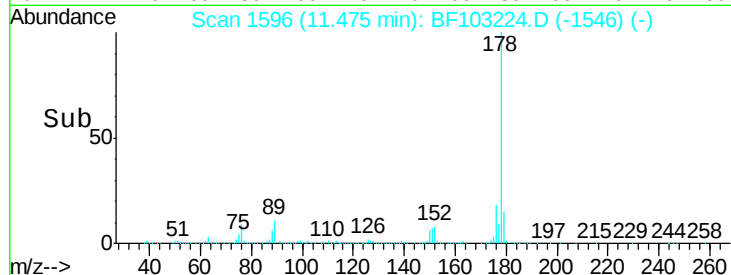
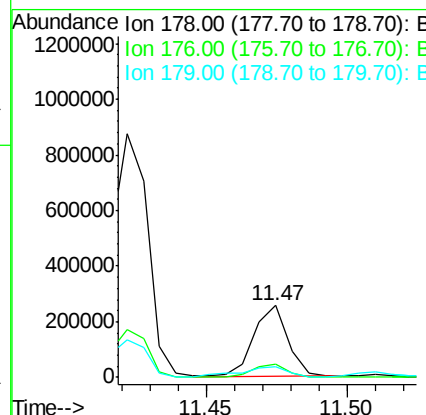
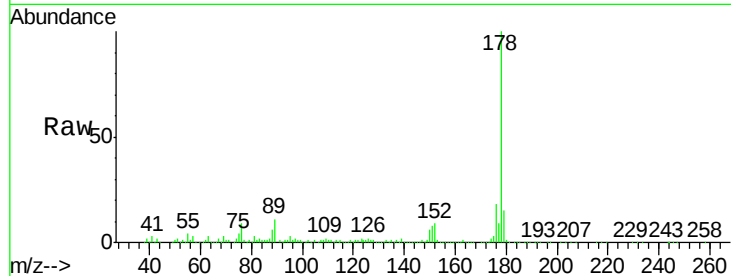
#71
 Anthracene
 Concen: 11.332 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103224.D
 Acq: 26 Feb 2018 18:26

Instrument :
 BNA_F
 ClientSampled :
 B2

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.3	15.4	23.2	
179	15.2	12.6	19.0	

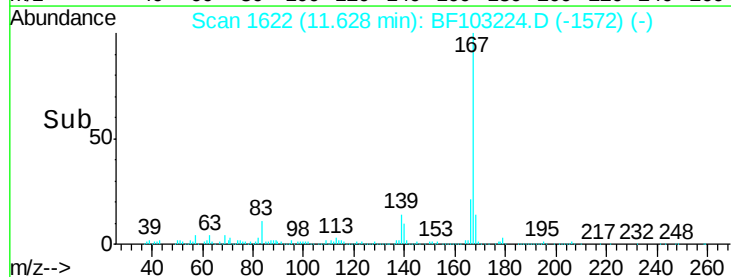
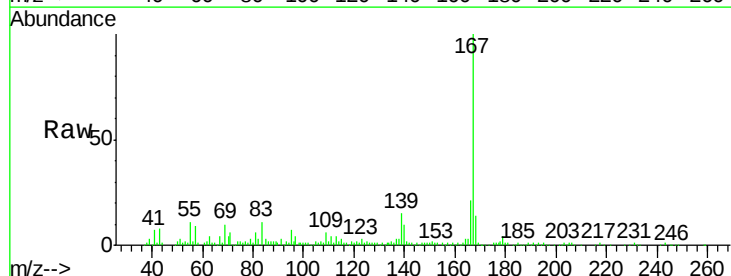
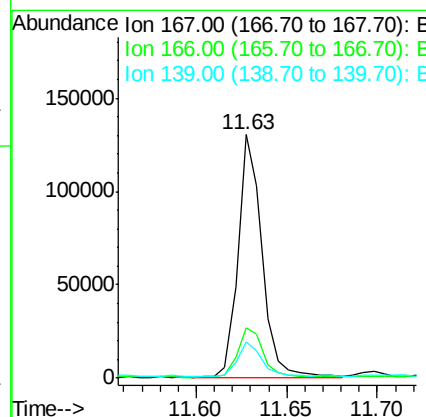
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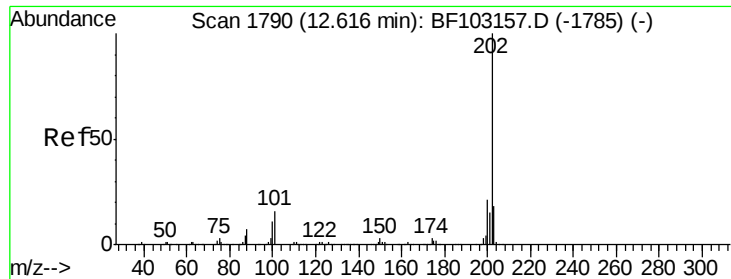
Sohil
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#72
 Carbazole
 Concen: 6.299 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF103224.D
 Acq: 26 Feb 2018 18:26

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	20.9	17.6	26.4	
139	14.7	10.9	16.3	





#74

Fluoranthene

Concen: 50.043 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Instrument :

BNA_F

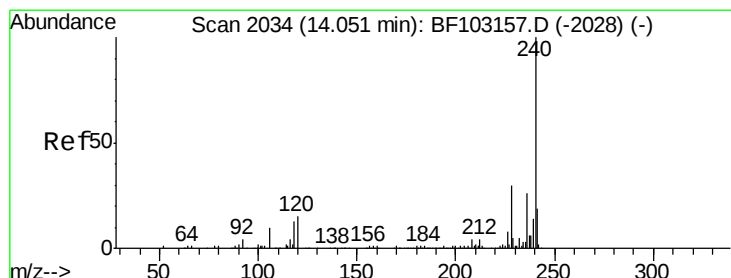
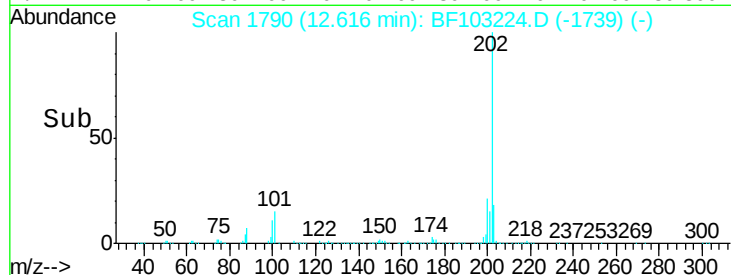
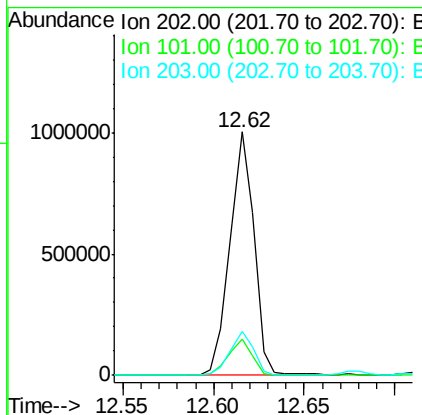
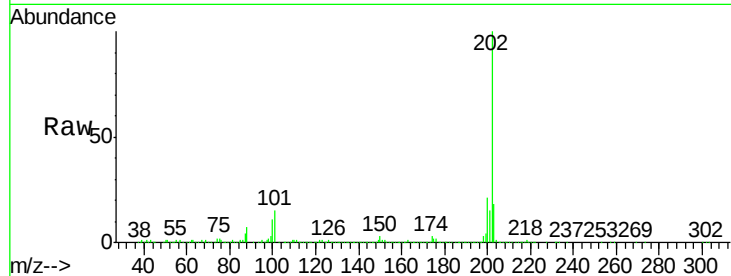
ClientSampled :

B2

Tot Ion:	202	Resp:	930385
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

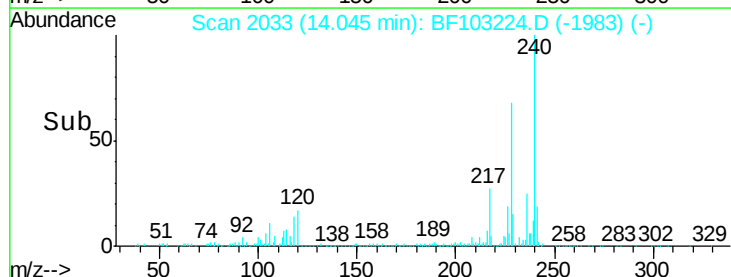
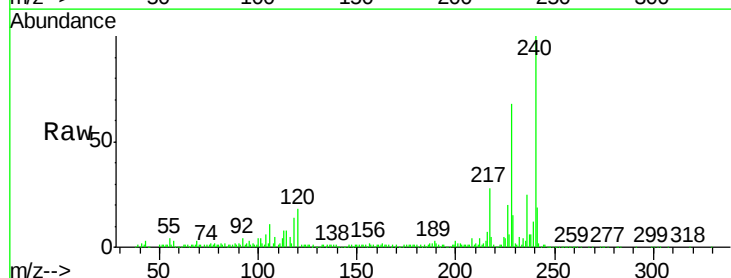
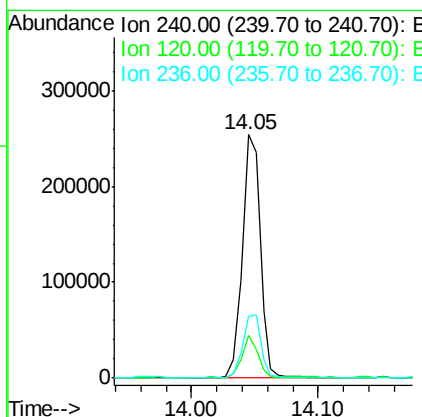
RT: 14.05 min Scan# 2033

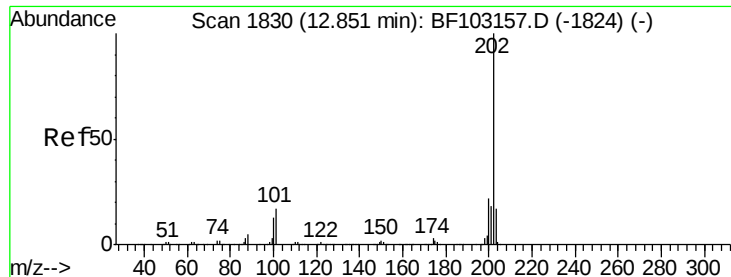
Delta R.T. -0.01 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Tgt Ion:	240	Resp:	249566
Ion Ratio	Lower	Upper	
240	100		
120	17.6	9.5	14.3#
236	25.5	20.7	31.1





#77

Pvrene

Concen: 41.586 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Instrument :

BNA_F

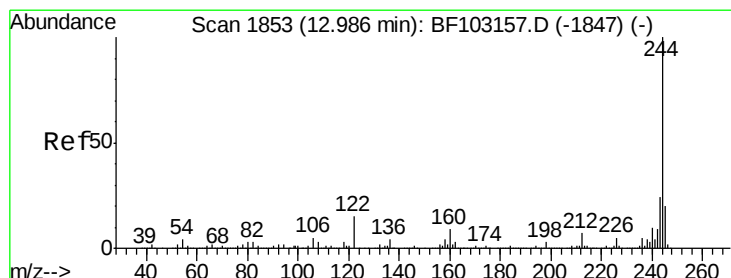
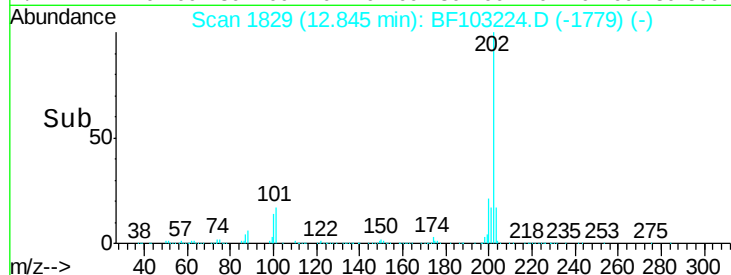
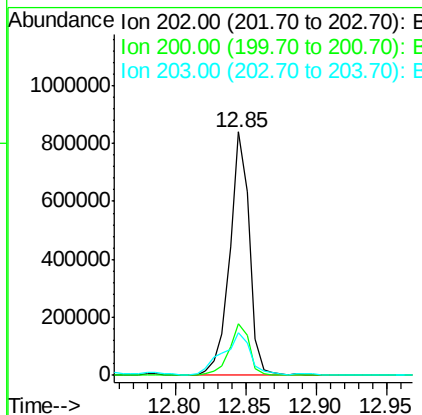
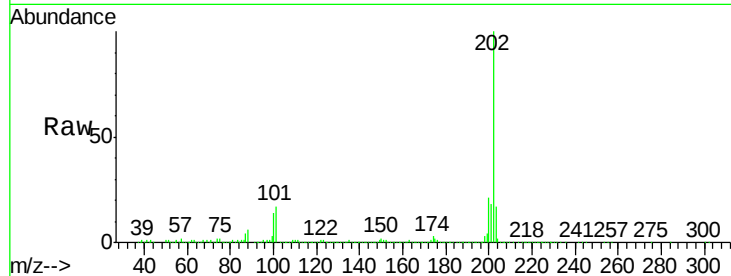
ClientSampleId :

B2

Tot Ion:	202	Resp:	809174
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 65.481 ng

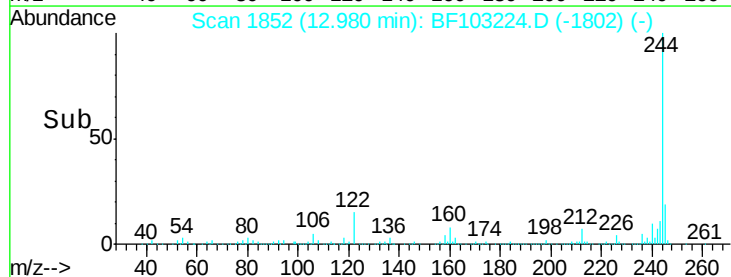
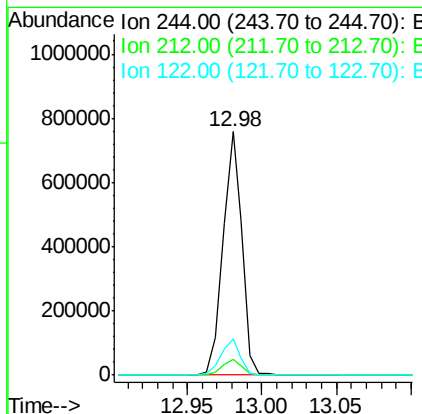
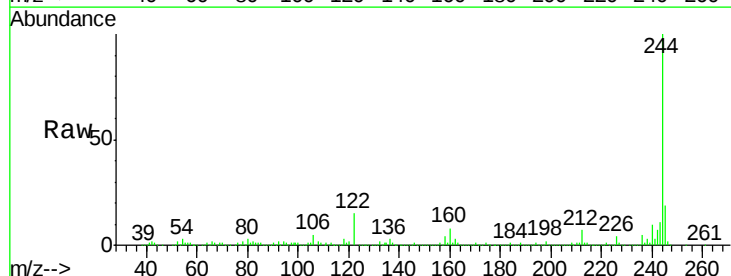
RT: 12.98 min Scan# 1852

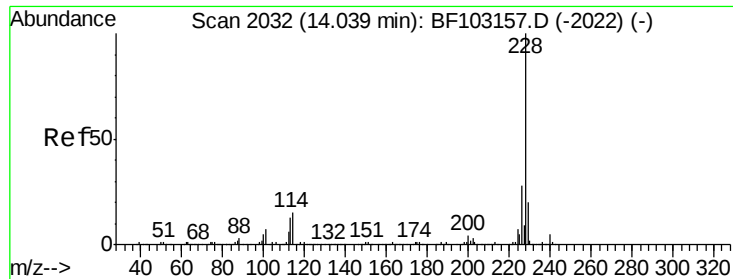
Delta R.T. -0.01 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Tgt Ion:	244	Resp:	679817
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.7	11.0	16.4





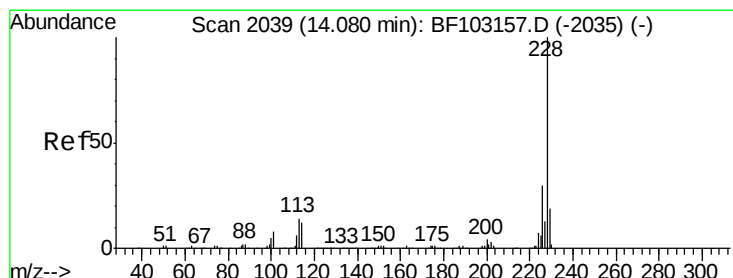
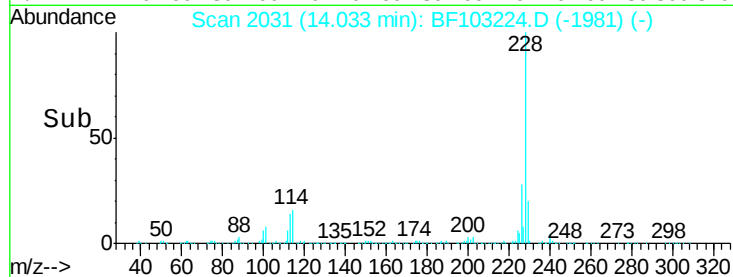
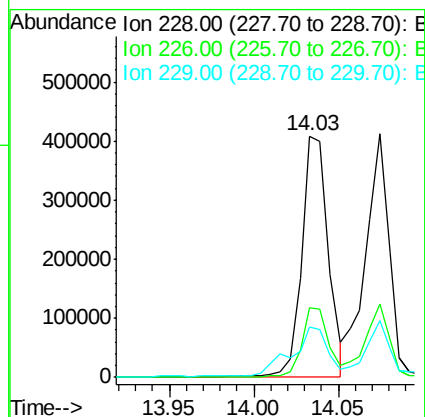
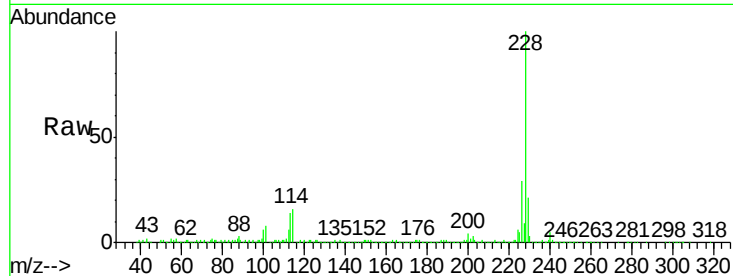
#80
Benzo(a)anthracene
Concen: 27.451 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampleId :
B2

Tot Ion:	228	Resp:	444514
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.6	33.8
229	20.7	15.8	23.6

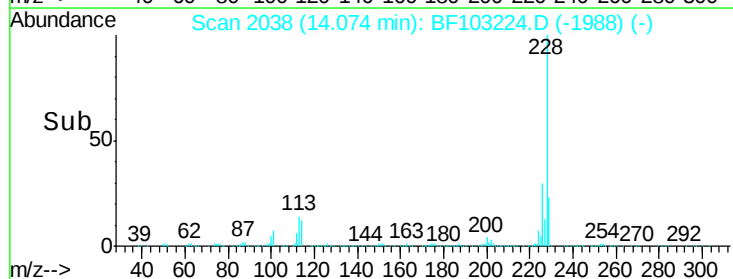
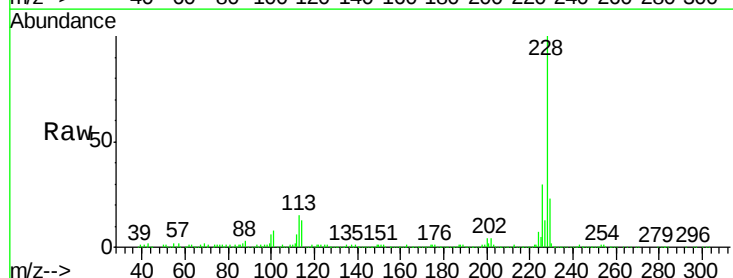
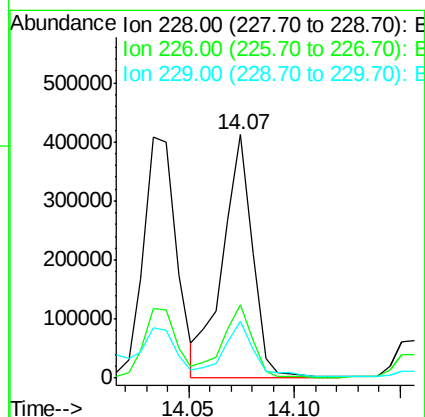
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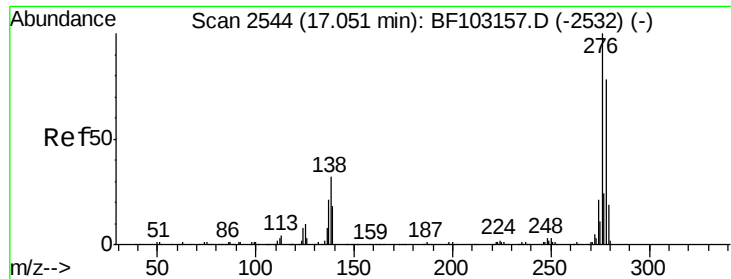
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#82
Chrysene
Concen: 25.489 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion:	228	Resp:	400760
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	23.1	16.2	24.4





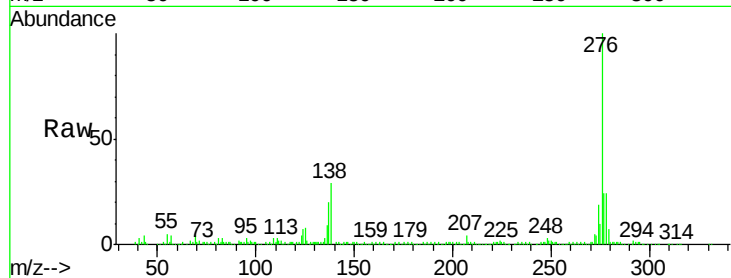
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.535 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. 0.01 min
 Lab File: BF103224.D
 Acq: 26 Feb 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :
 B2

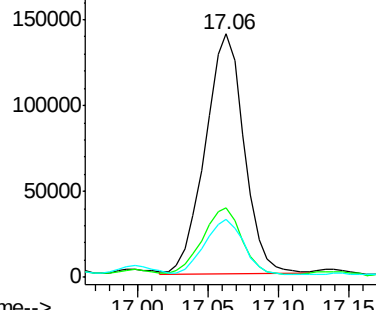
Tot Ion:	276	Resp:	268060
Ion Ratio	Lower	Upper	
276	100		
138	28.0	25.0	37.6
277	23.3	20.1	30.1

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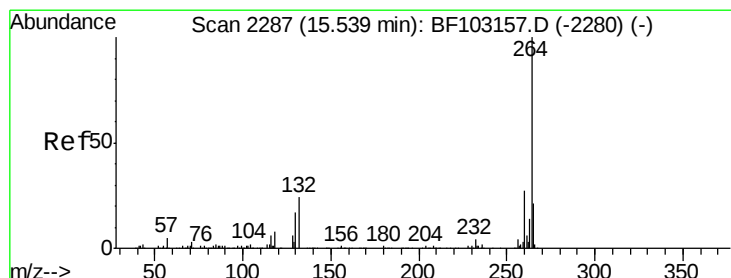
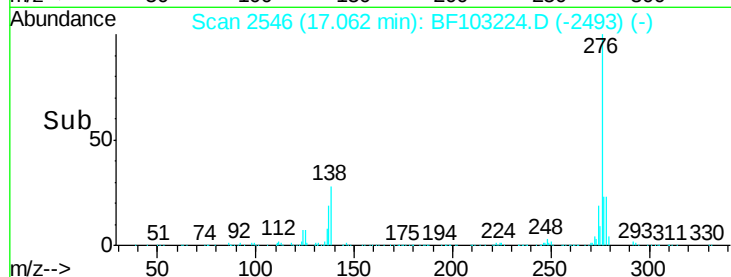
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

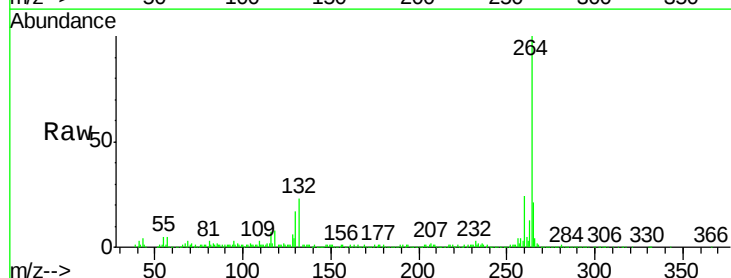


Time-->

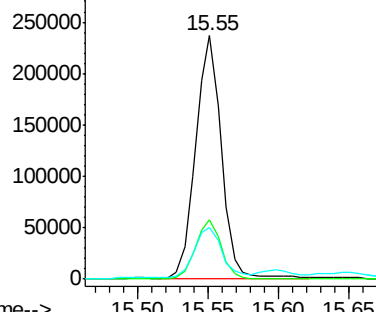


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: BF103224.D
 Acq: 26 Feb 2018 18:26

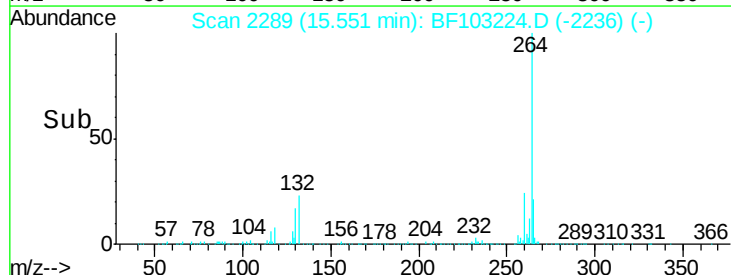
Tgt Ion:	264	Resp:	297972
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.5	17.5	26.3

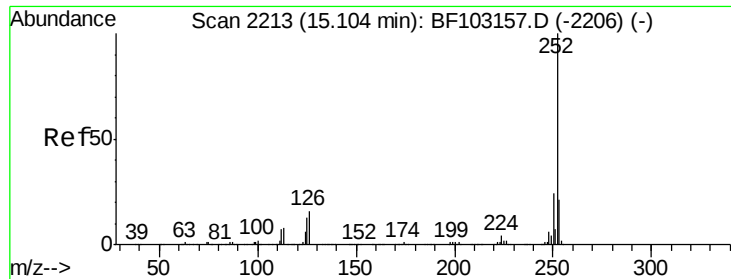


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





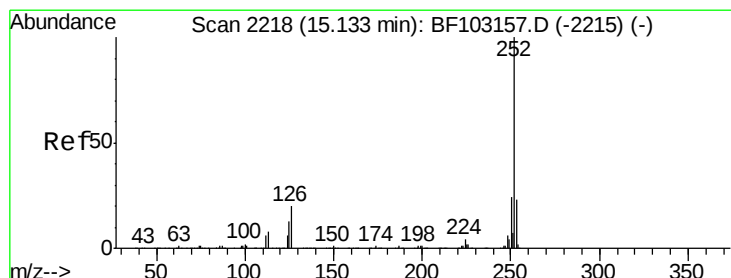
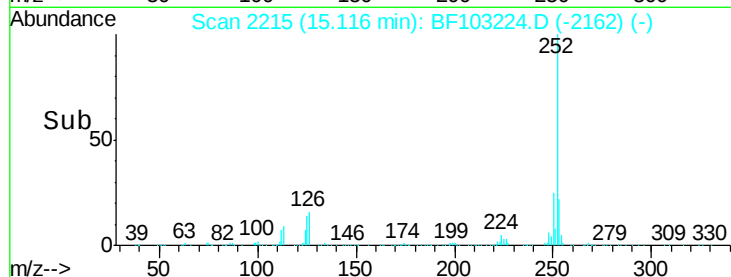
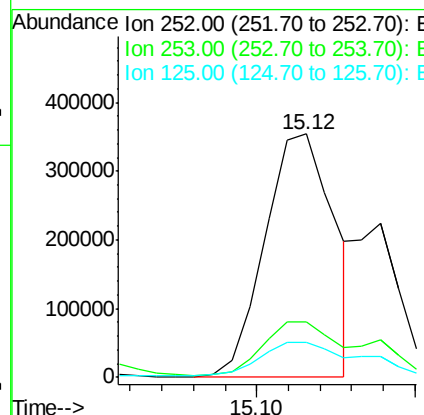
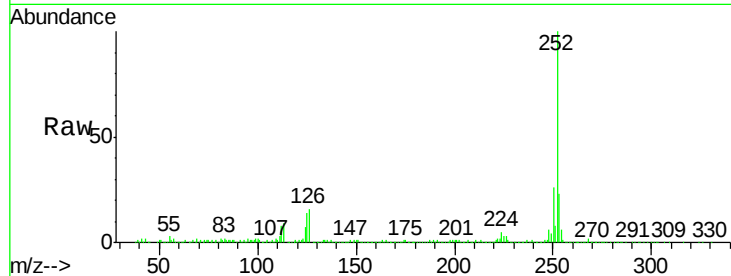
#87
Benzo(b)fluoranthene
Concen: 27.378 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.2	9.0	13.6

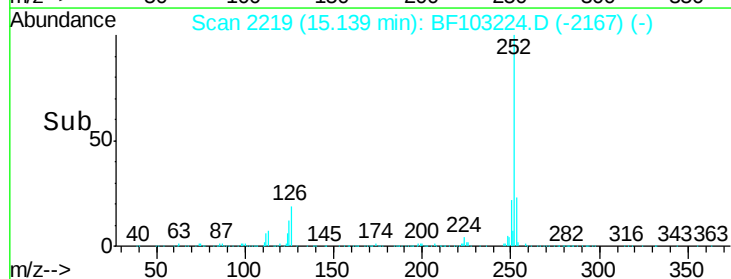
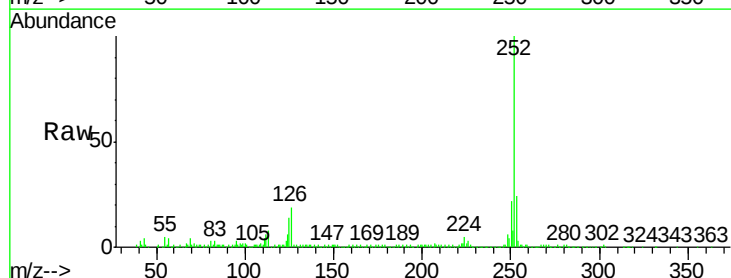
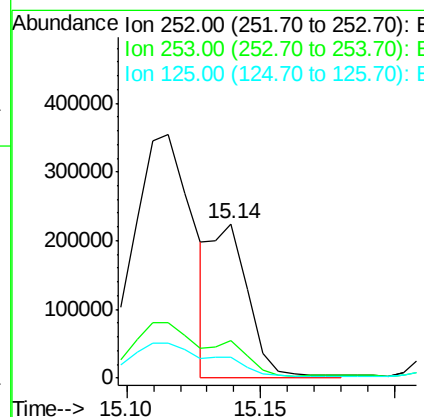
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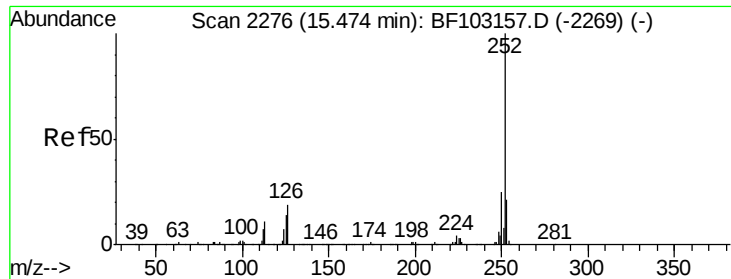
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#88
Benzo(k)fluoranthene
Concen: 11.691 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	13.5	10.2	15.2





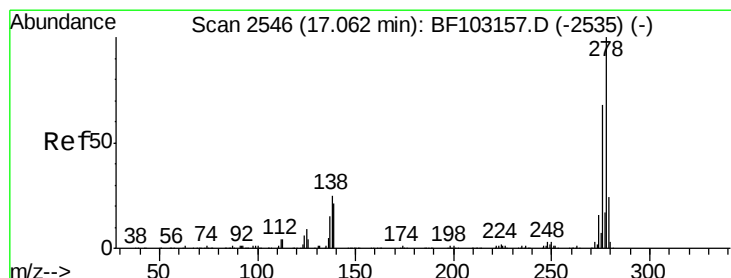
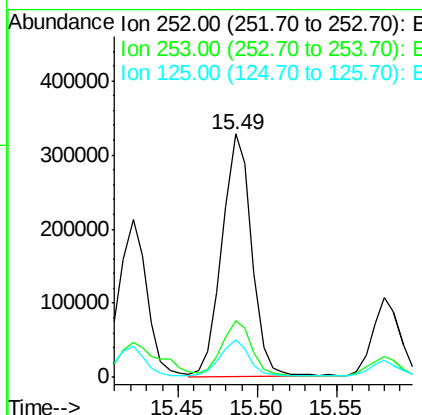
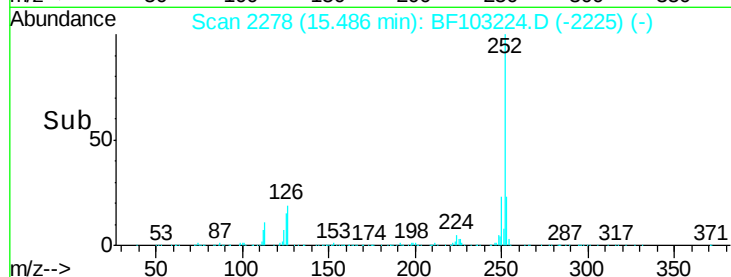
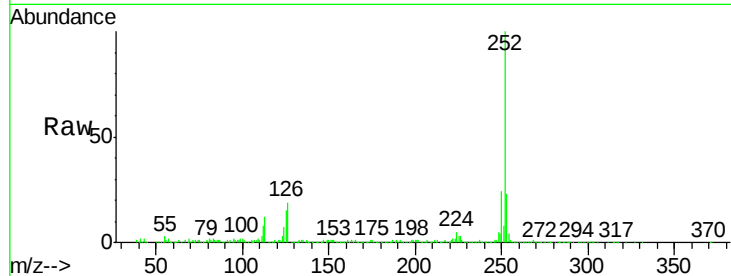
#89
Benzo(a)pyrene
Concen: 24.273 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.5	9.8	14.6

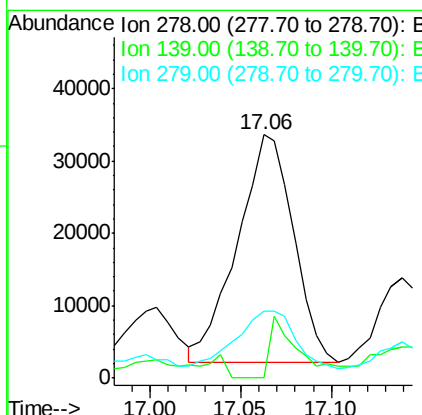
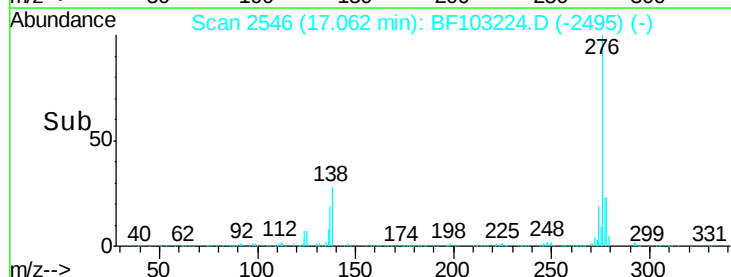
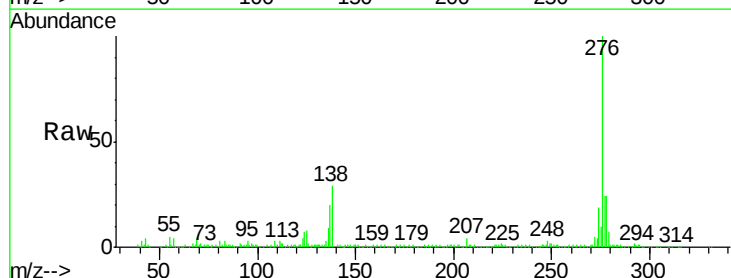
Manual Integrations
APPROVED

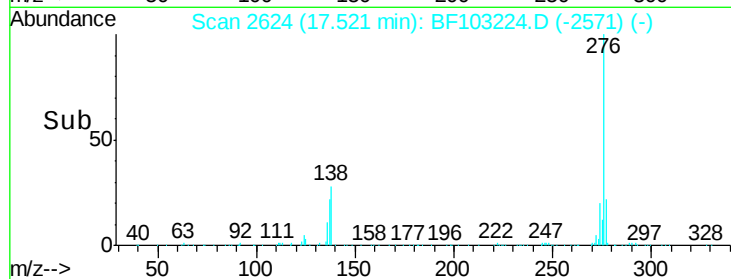
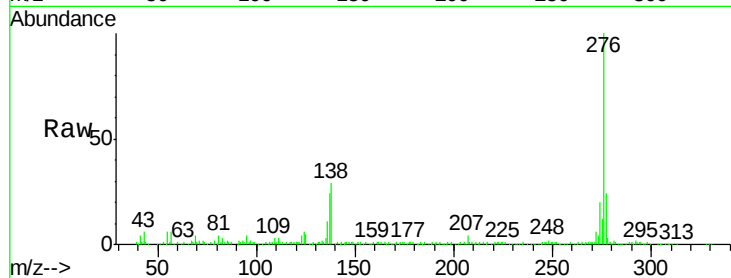
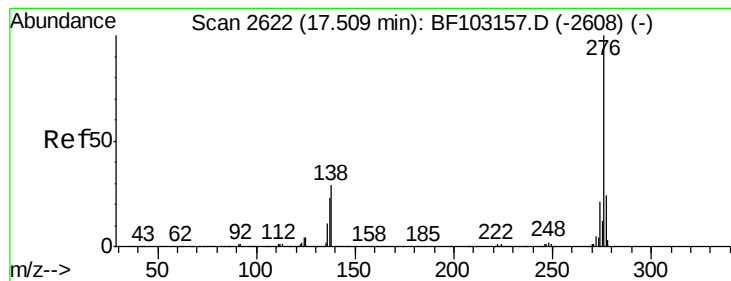
Sohil
2/27/2018 12:22:52 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.980 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BF103224.D
Acq: 26 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	27.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 18.146 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF103224.D

Acq: 26 Feb 2018 18:26

Tot Ion	Ratio	Resp	Lower	Upper
276	100	239751		
277	23.6		17.9	26.9
138	28.6		21.8	32.8

Instrument :

BNA_F

ClientSampleId :

B2

Manual Integrations
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Sohil
2/27/2018 12:22:52 PM

