

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103277.D
 Acq On : 27 Feb 2018 21:34
 Operator : SJ/JU
 Sample : J1698-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:18:01 AM

Quant Time: Feb 28 01:33:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161947	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	645007	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	252884	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	359901	20.00	ng	0.00
75) Chrysene-d12	14.06	240	261793	20.00	ng	0.00
86) Perylene-d12	15.56	264	204749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1343111	125.43	ng	0.01
7) Phenol-d6	6.52	99	1481147	113.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	933380	82.64	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	217113	101.43	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1228885	83.30	ng	0.00
78) Terphenyl-d14	12.99	244	872458	80.11	ng	0.00
Target Compounds						
10) Phenol	6.53	94	34895	2.294	ng	94
48) Acenaphthylene	9.77	152	54643	2.118	ng	98
49) Dimethylphthalate	9.62	163	178441	8.796	ng	99
70) Phenanthrene	11.43	178	254756	12.862	ng	99
71) Anthracene	11.48	178	101517	4.998	ng	98
74) Fluoranthene	12.62	202	358924	18.033	ng	98
77) Pyrene	12.86	202	416892	20.425	ng	98
80) Benzo(a)anthracene	14.04	228	210096	12.369	ng	97
82) Chrysene	14.08	228	196349	11.905	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	58869	4.509	ng	98
87) Benzo(b)fluoranthene	15.12	252	165416m	12.288	ng	
88) Benzo(k)fluoranthene	15.14	252	50726m	4.002	ng	
89) Benzo(a)pyrene	15.50	252	120984	10.064	ng	# 94
91) Benzo(a,h,i)perylene	17.54	276	64630	7.119	ng	93

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

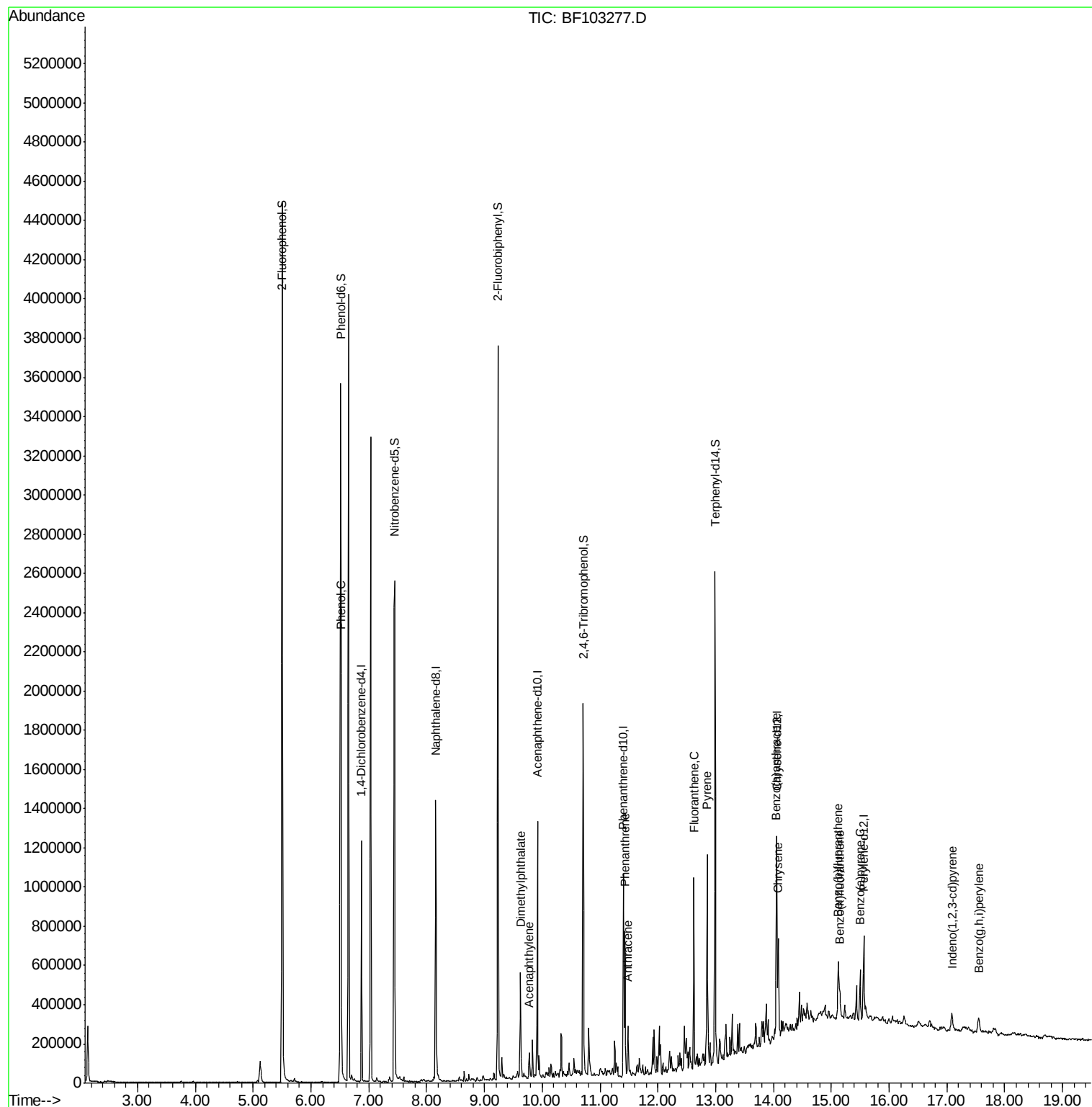
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103277.D
Acq On : 27 Feb 2018 21:34
Operator : SJ/JU
Sample : J1698-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

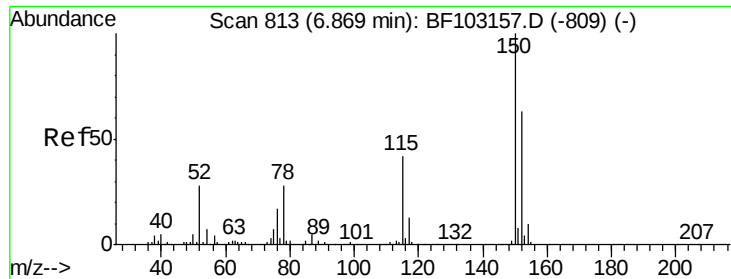
Instrument :
BNA_F
ClientSampled :
B4

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Quant Time: Feb 28 01:33:11 2018
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#1

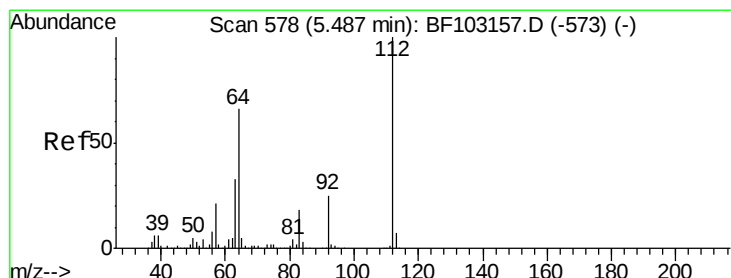
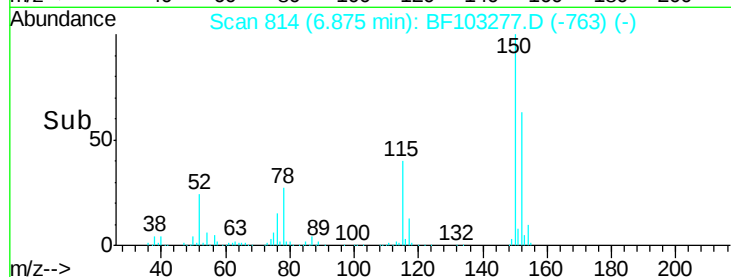
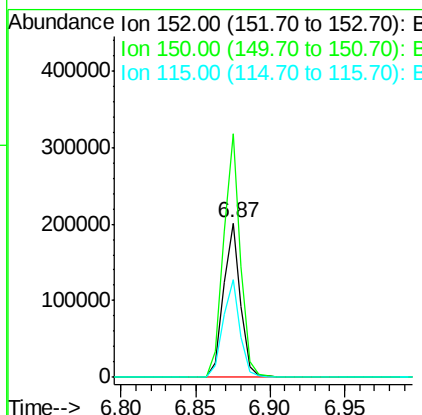
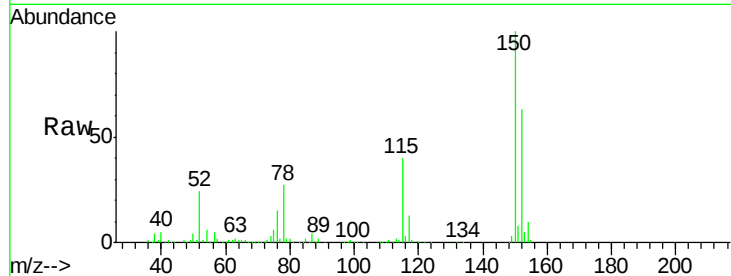
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	63.3	50.1	75.1

Manual Integrations
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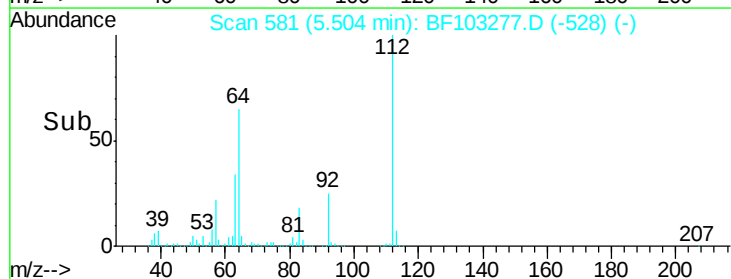
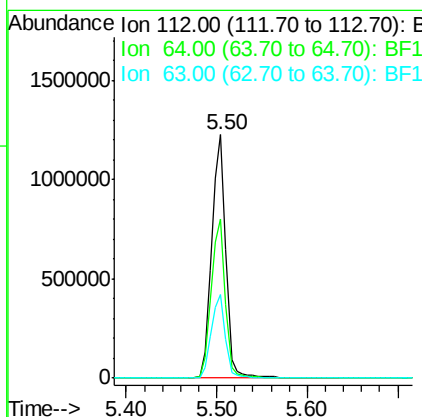
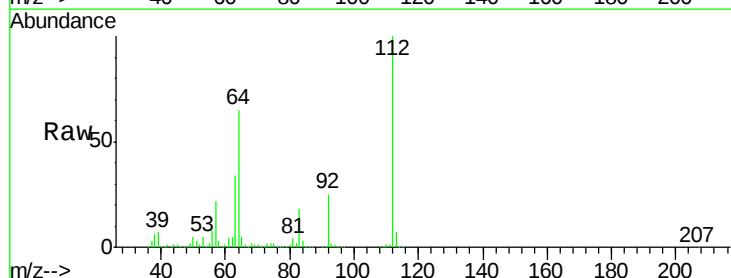
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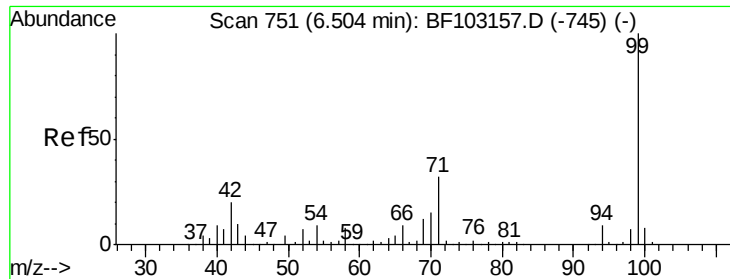


#5

2-Fluorophenol
Concen: 125.434 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	34.2	23.7	35.5





#7

Phenol-d6

Concen: 113.043 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

ClientSampled :

B4

Tot Ion: 99 Resp: 1481147

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

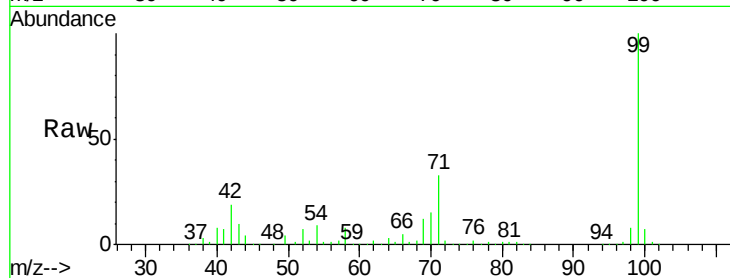
71 33.5 25.4 38.0

Manual Integrations

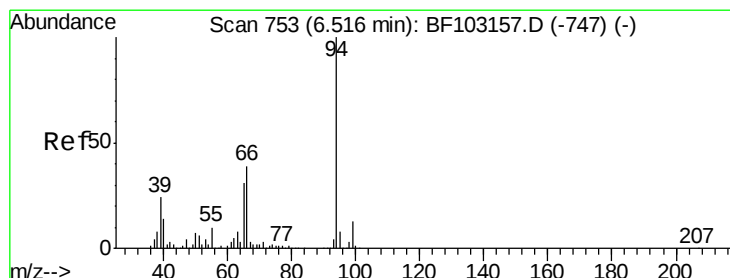
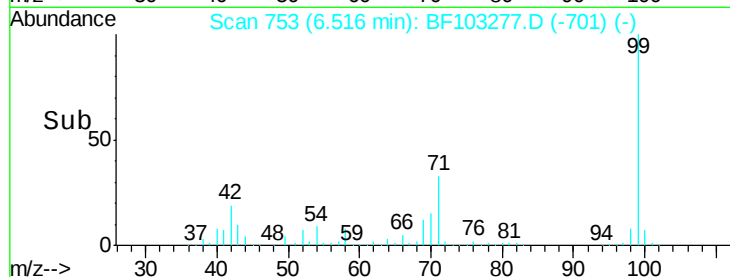
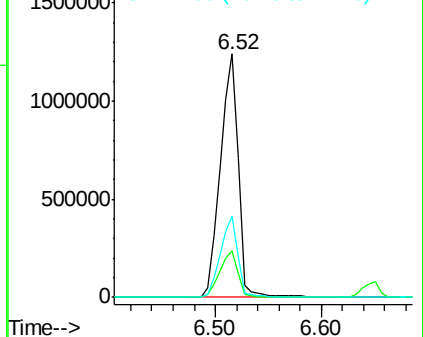
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.294 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

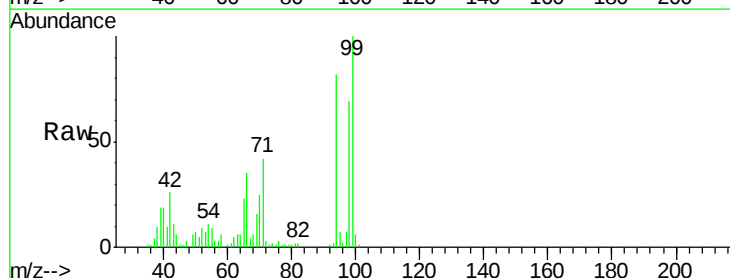
Tgt Ion: 94 Resp: 34895

Ion Ratio Lower Upper

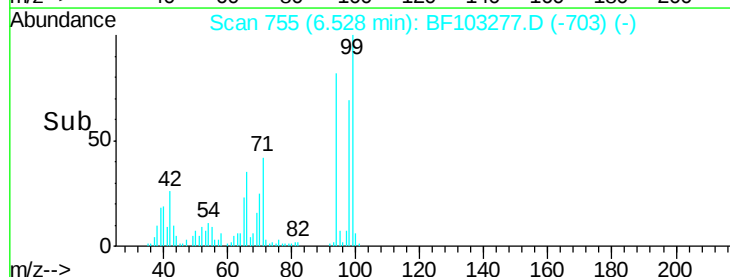
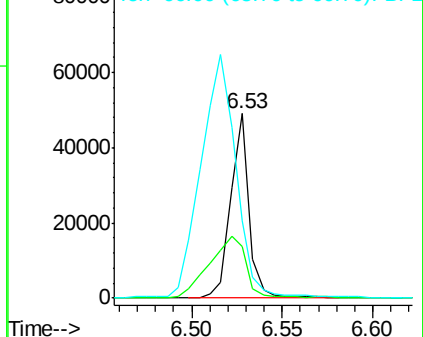
94 100

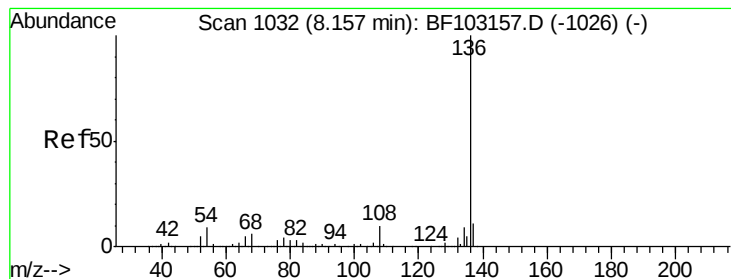
65 28.2 7.9 47.9

66 42.1 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: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

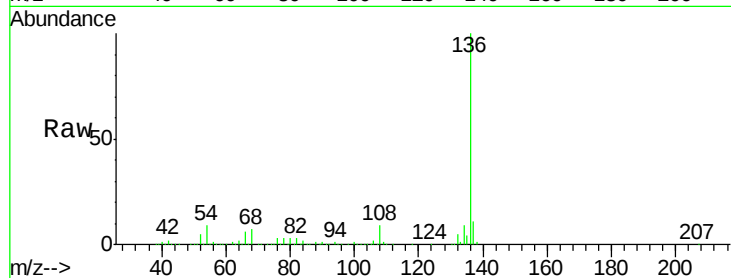
ClientSampleId :

B4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		645007		
137	11.3		8.9	13.3	
54	9.3		6.6	9.8	
68	6.6		5.0	7.4	

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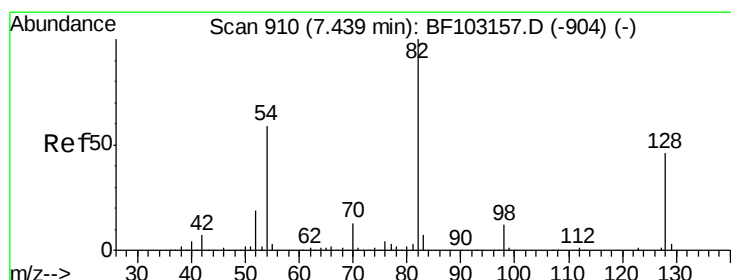
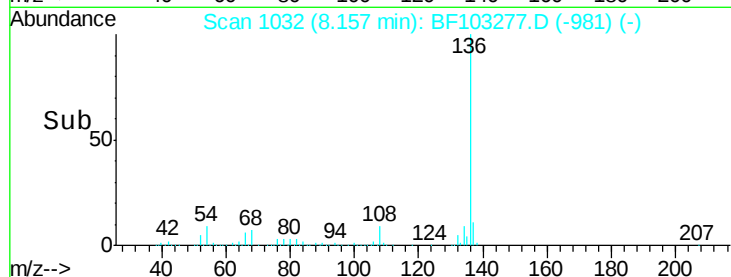
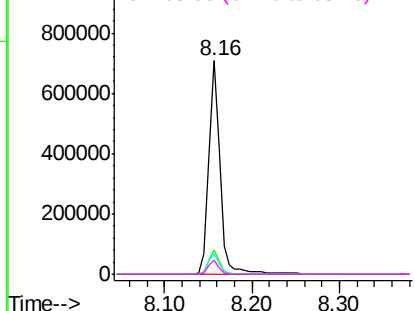


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.641 ng

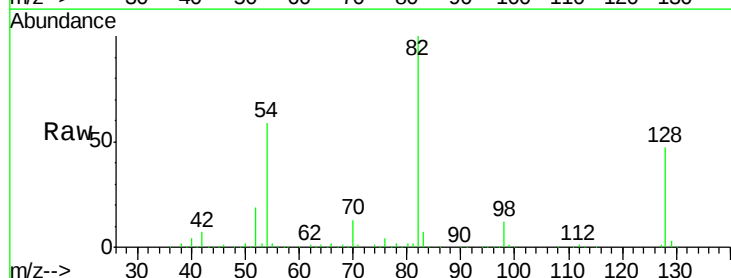
RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

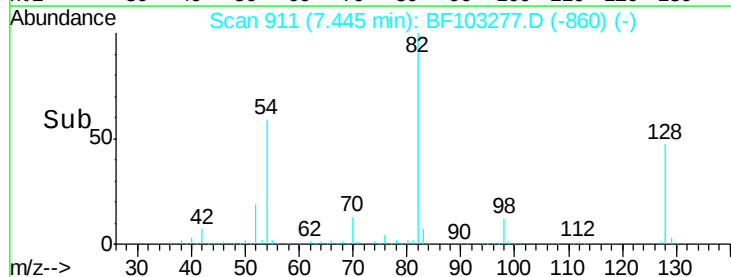
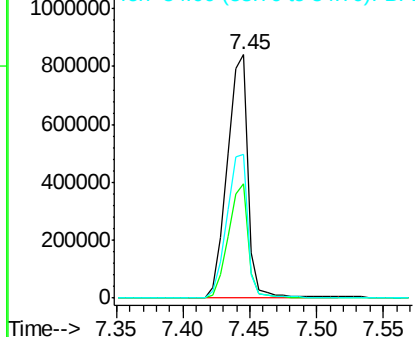
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		933380		
128	47.1		36.1	54.1	
54	59.1		41.4	62.2	

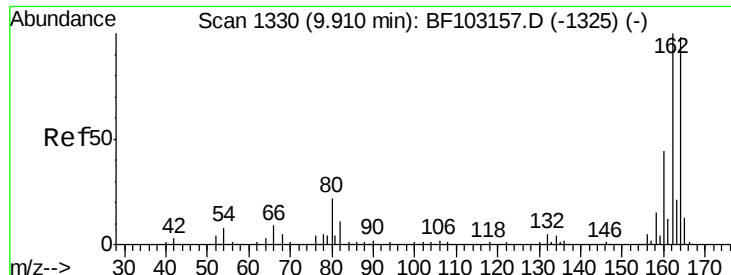


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





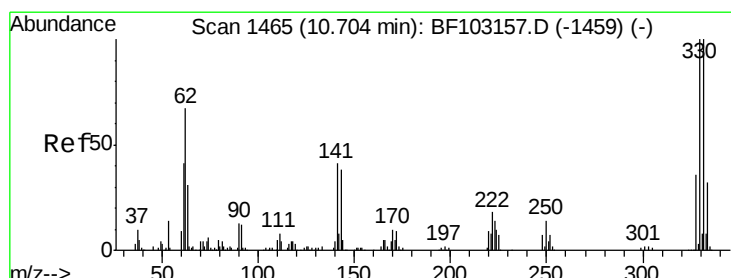
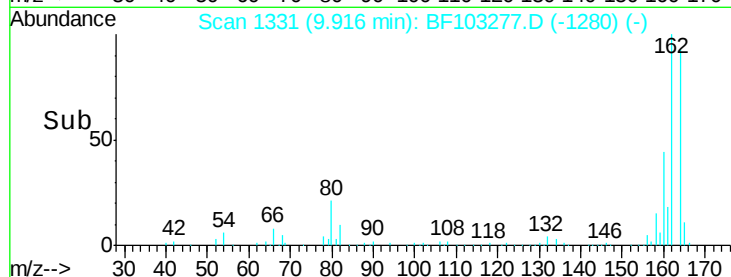
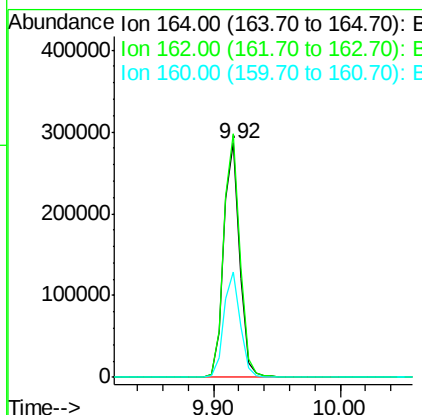
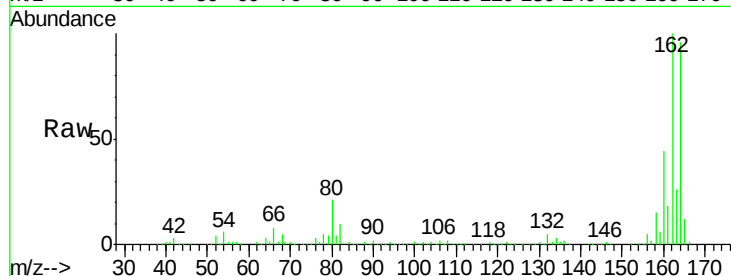
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	252884		
162	103.8	86.1	129.1	
160	45.2	38.3	57.5	

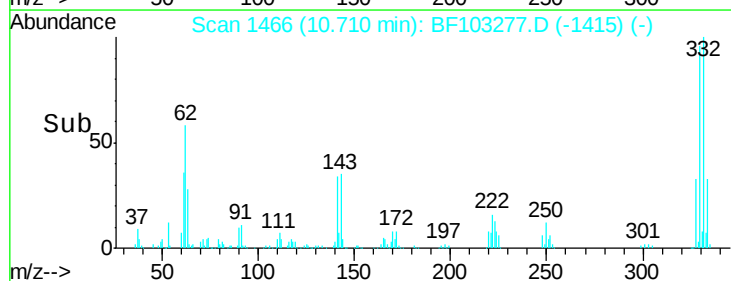
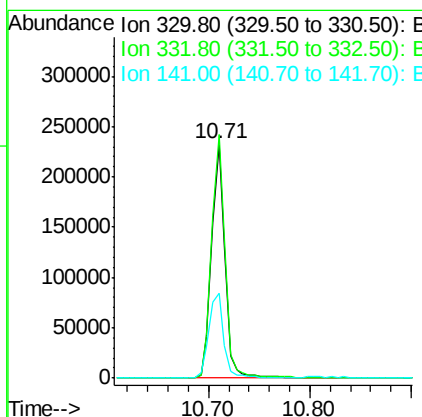
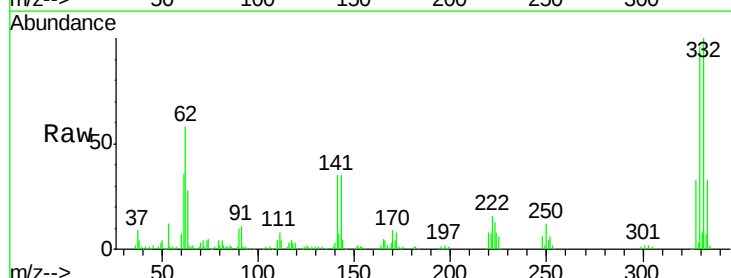
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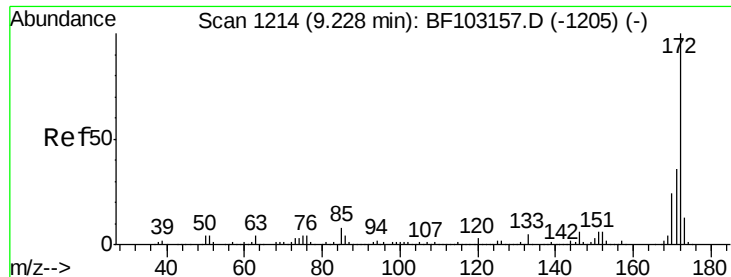
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#41
2,4,6-Tribromophenol
Concen: 101.430 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	217113		
332	105.0	77.0	115.6	
141	39.1	29.9	44.9	





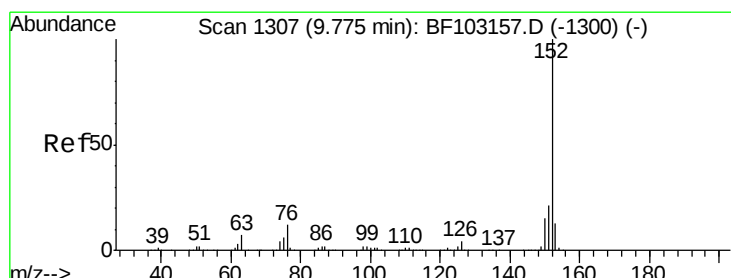
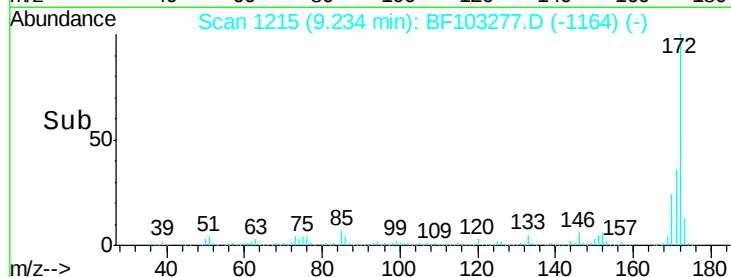
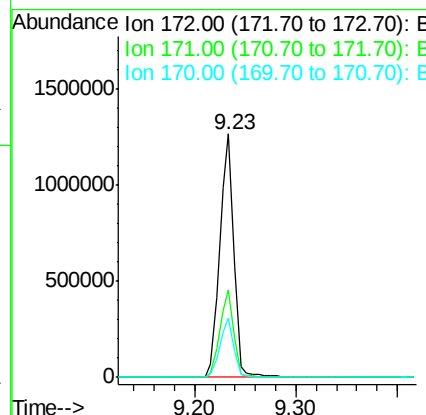
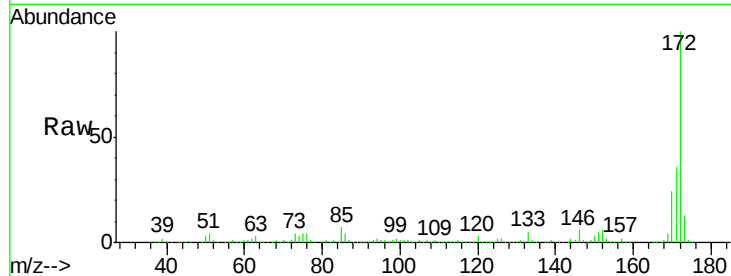
#44
2-Fluorobiphenyl
Concen: 83.303 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	19.6	29.4

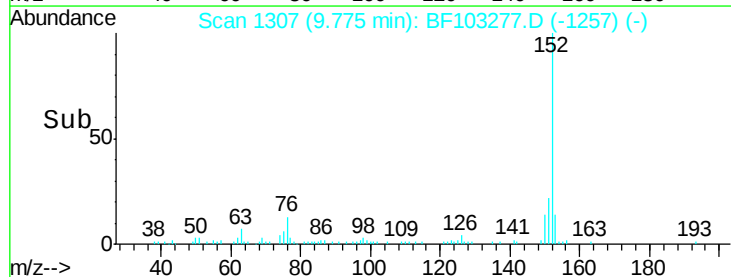
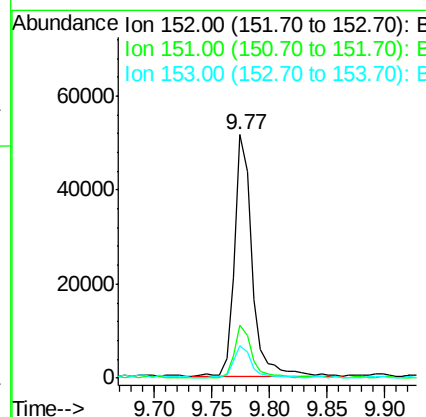
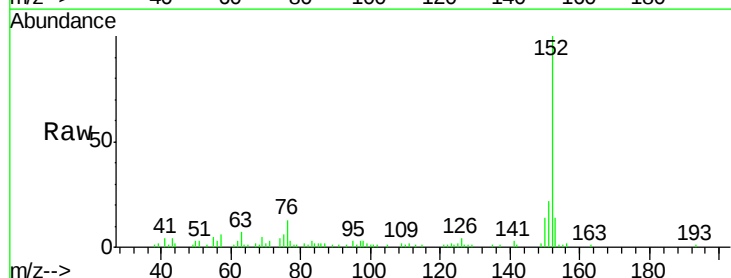
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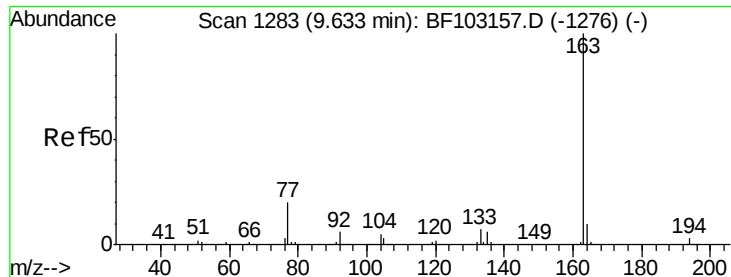
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#48
Acenaphthylene
Concen: 2.118 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.3	24.5
153	13.6	10.7	16.1





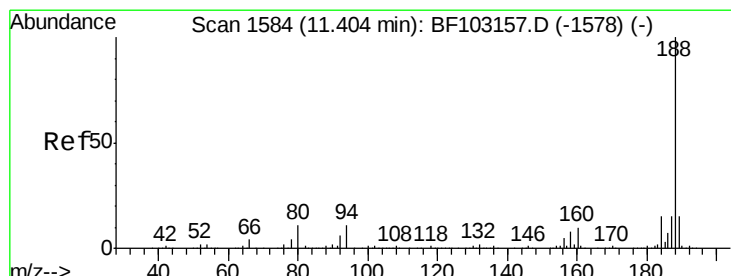
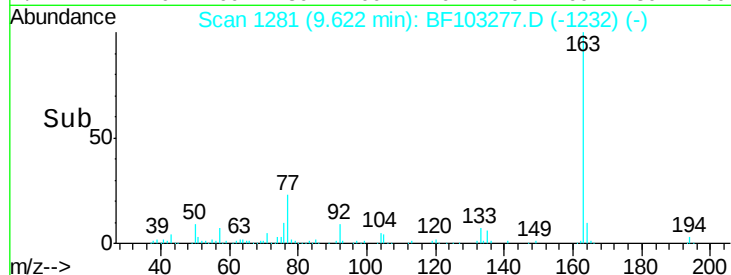
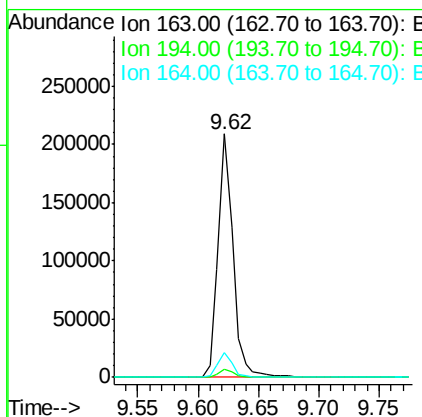
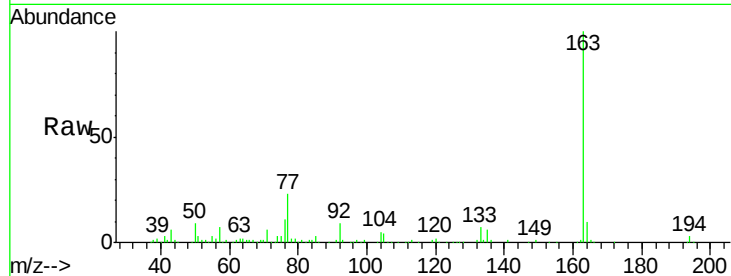
#49
Dimethylphthalate
Concen: 8.796 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	178441		
194	3.3	2.7	4.1	
164	9.9	8.2	12.2	

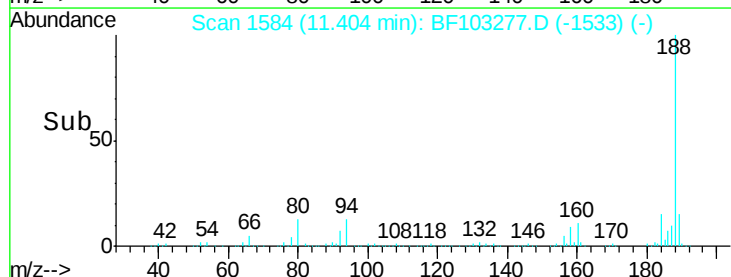
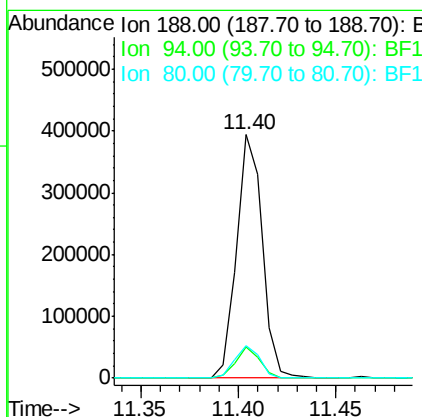
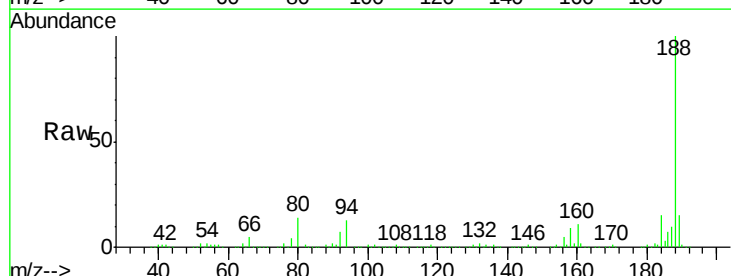
Manual Integrations
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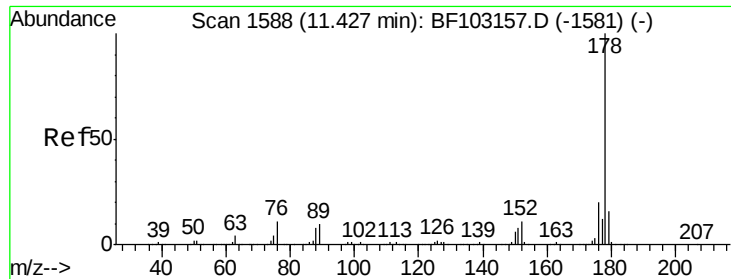
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	359901		
94	12.9	8.5	12.7#	
80	13.5	9.2	13.8	





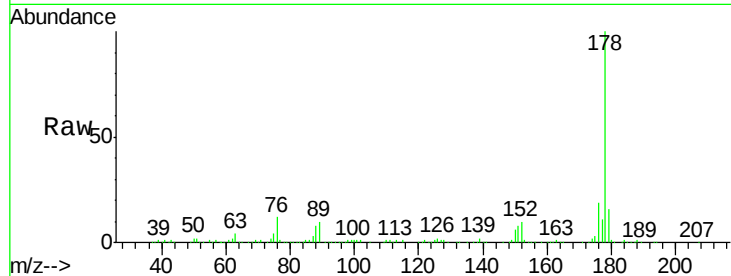
#70
Phenanthrene
Concen: 12.862 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

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

Manual Integrations
APPROVED

Sohil
2/28/2018 11:18:01 AM

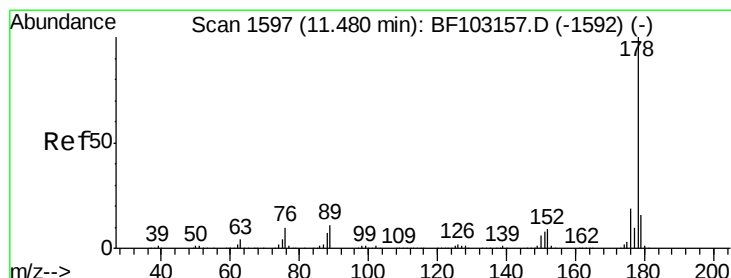
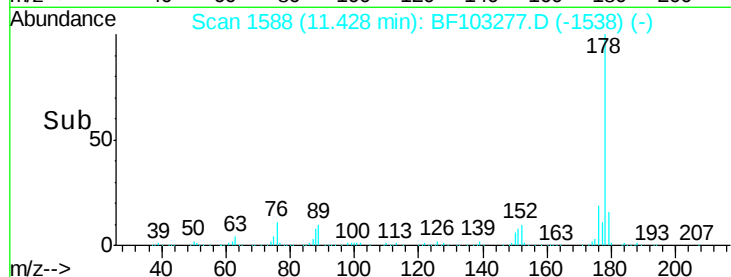
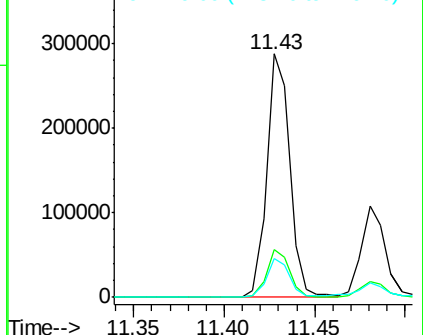


Abundance

Ion 178.00 (177.70 to 178.70): E

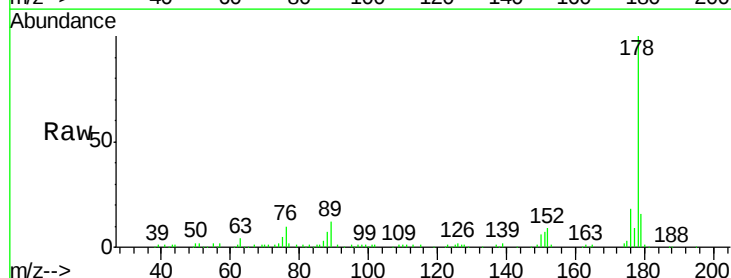
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 4.998 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.8	12.6	19.0

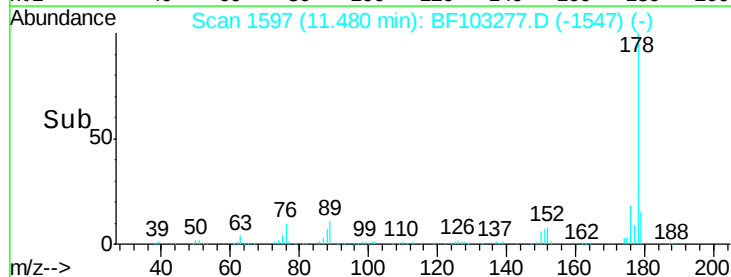
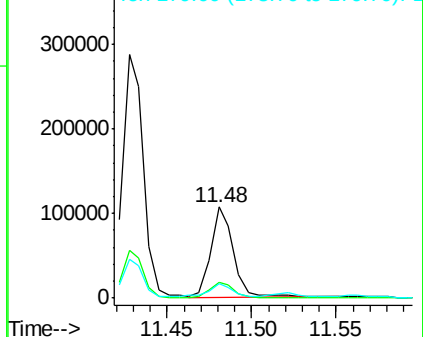


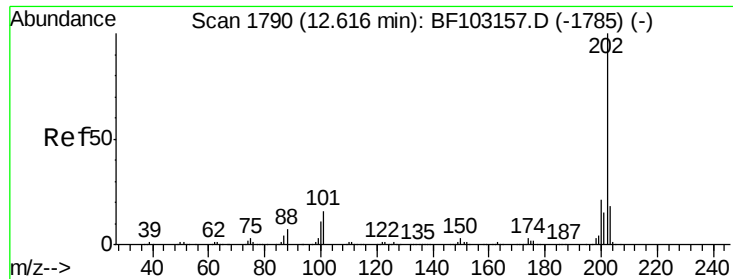
Abundance

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: 18.033 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

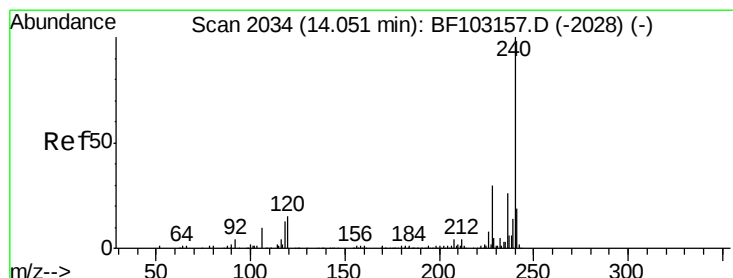
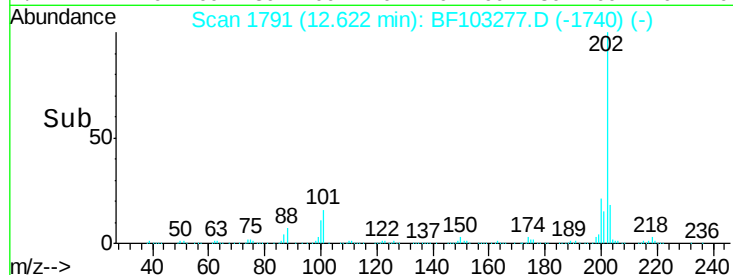
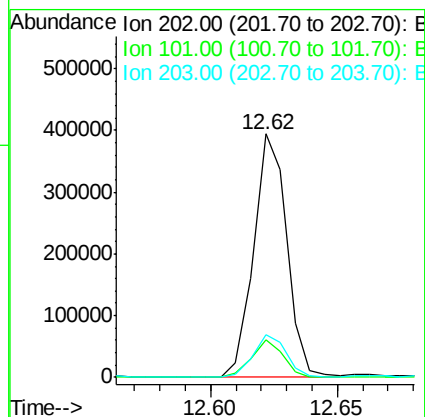
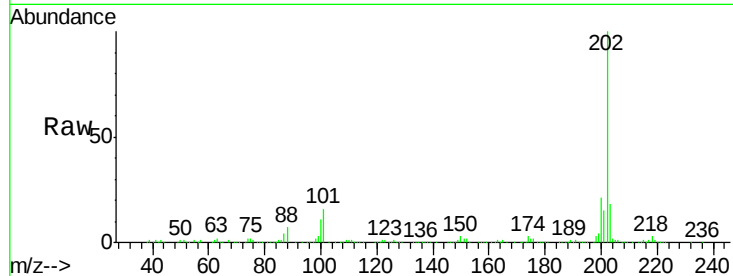
ClientSampled :

B4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	358924		
101	15.6	0.0	34.1	
203	17.6	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

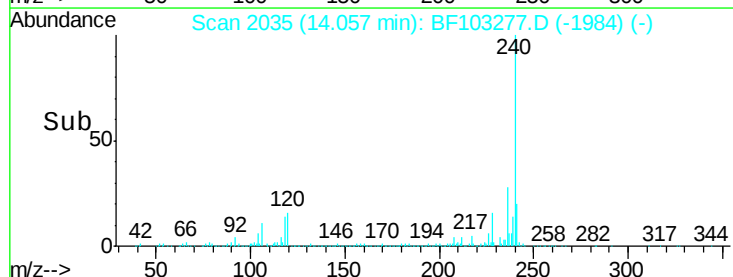
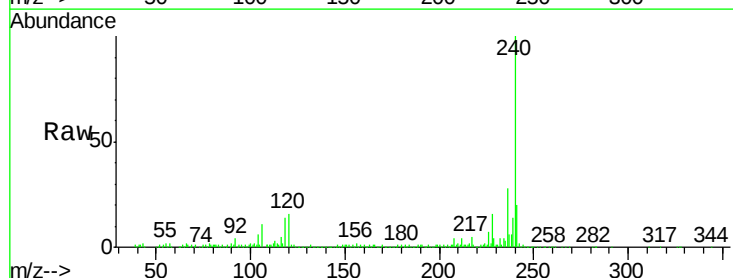
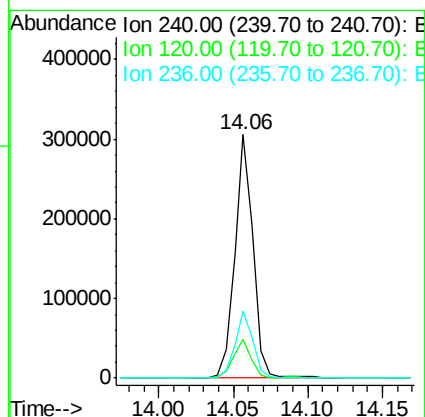
RT: 14.06 min Scan# 2035

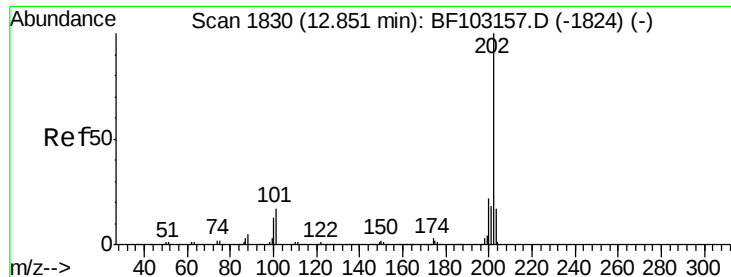
Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	261793		
120	16.1	9.5	14.3#	
236	27.8	20.7	31.1	





#77

Pvrene

Concen: 20.425 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

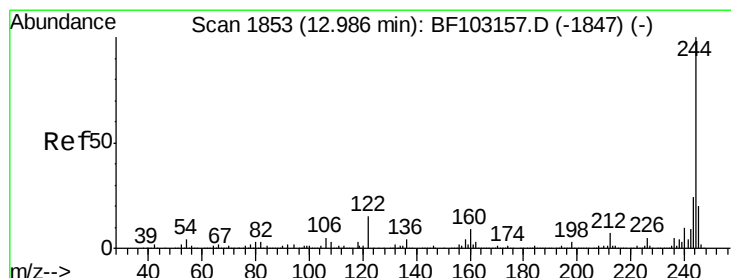
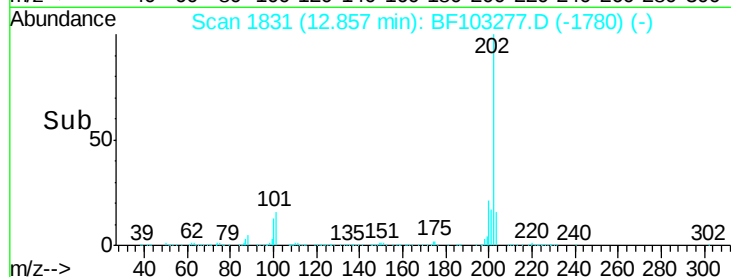
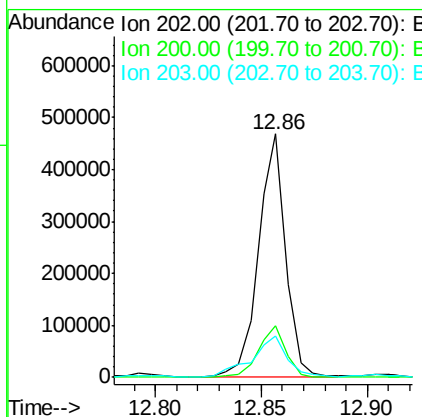
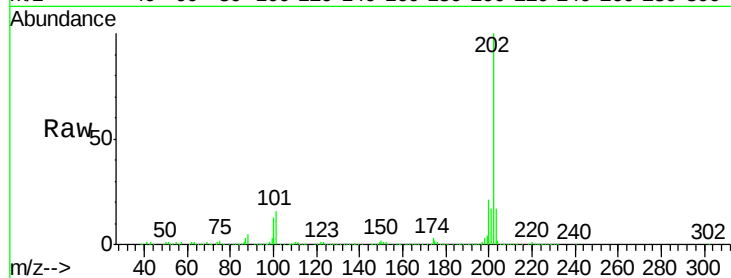
ClientSampleId :

B4

Tot Ion:	202	Resp:	416892
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.0	14.3	21.5

Manual Integrations
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Sohil
2/28/2018 11:18:01 AM



#78

Terphenyl-d14

Concen: 80.112 ng

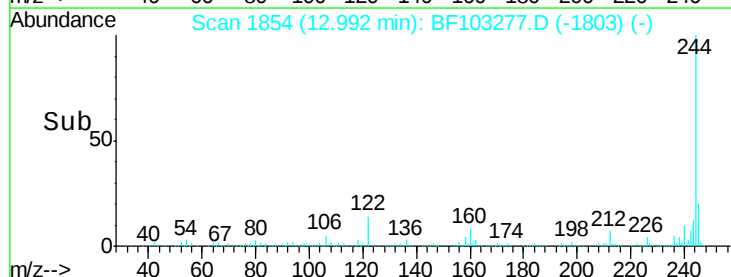
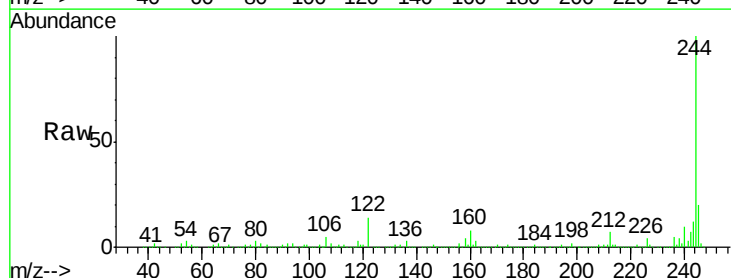
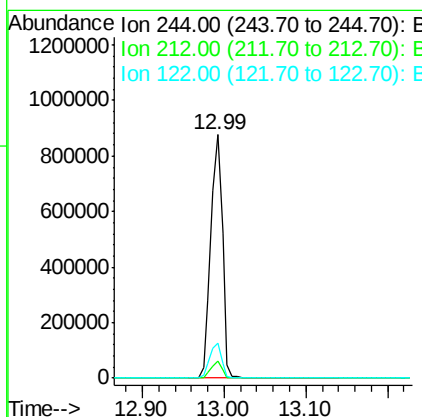
RT: 12.99 min Scan# 1854

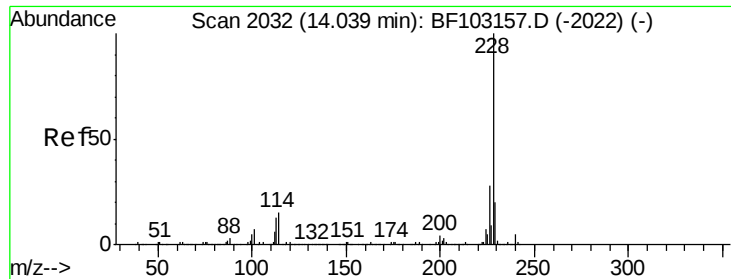
Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Tgt Ion:	244	Resp:	872458
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.5	11.0	16.4





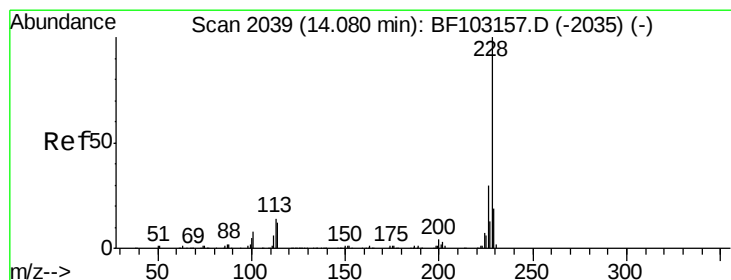
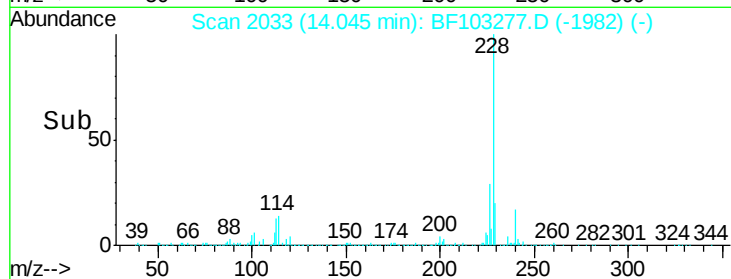
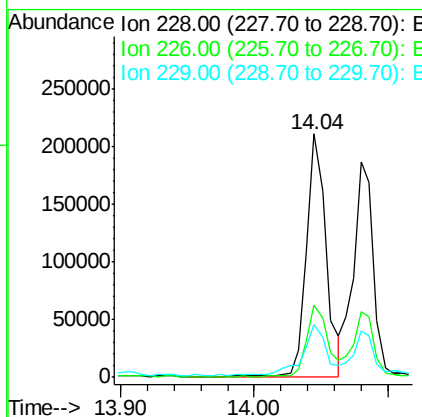
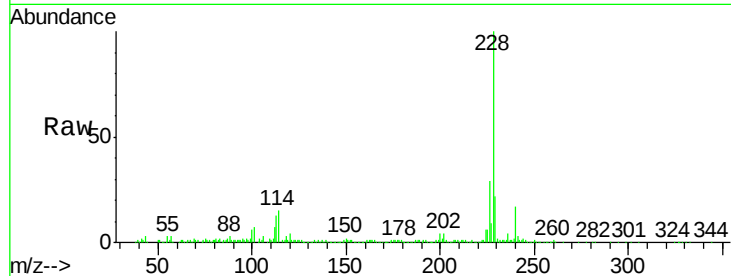
#80
Benzo(a)anthracene
Concen: 12.369 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.6	15.8	23.6

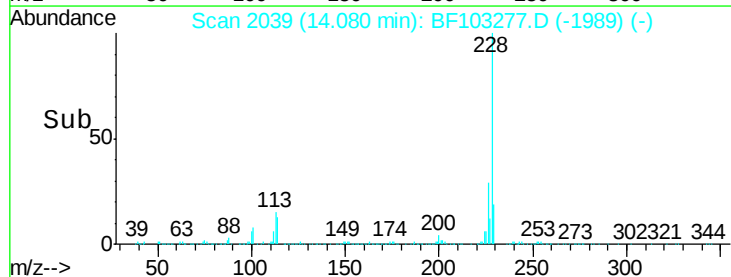
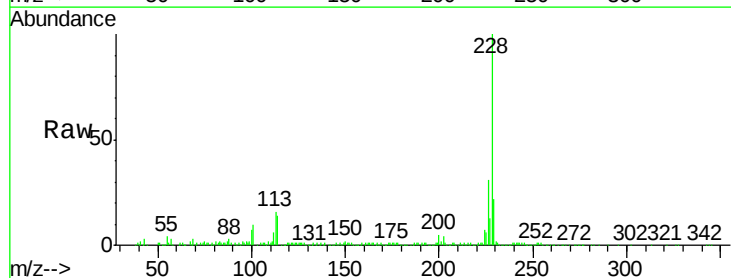
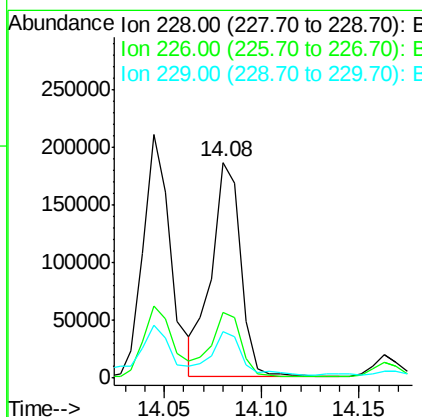
Manual Integrations
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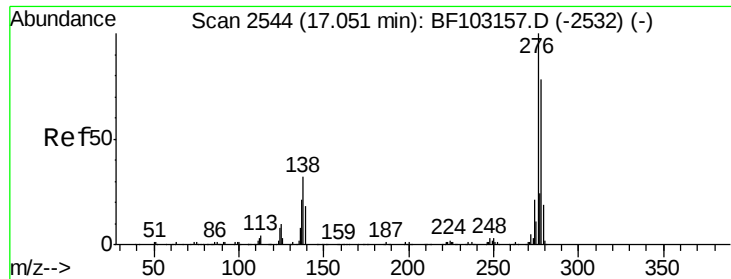
Sohil
2/28/2018 11:18:01 AM



#82
Chrysene
Concen: 11.905 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.6	16.2	24.4





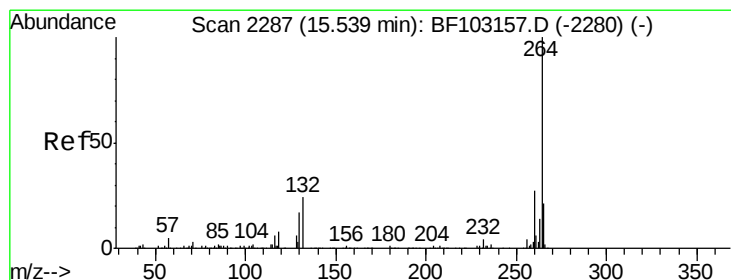
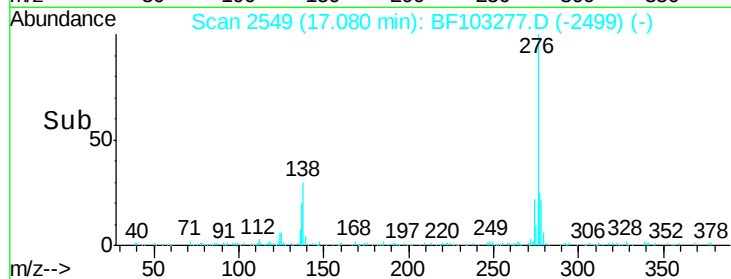
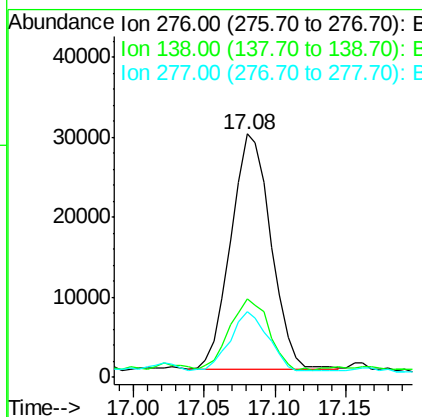
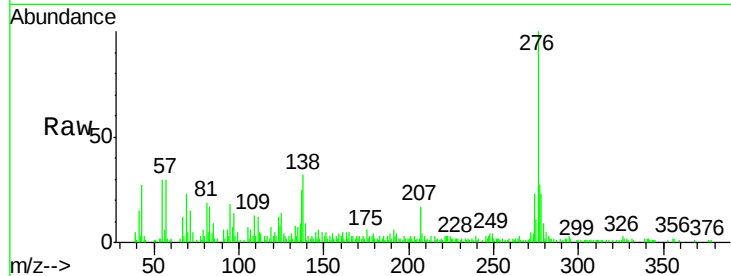
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.509 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	24.9	20.1	30.1

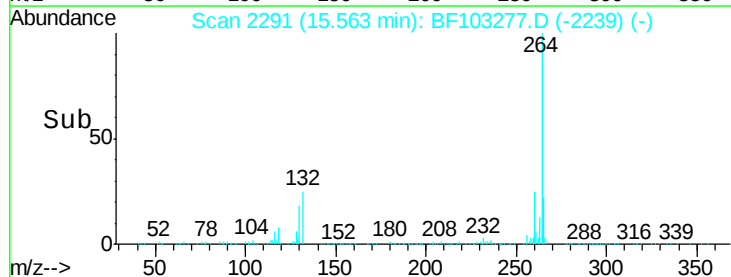
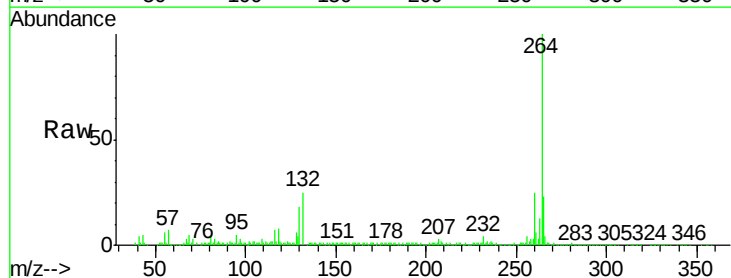
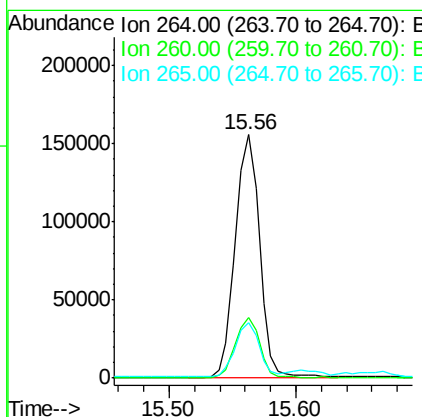
Manual Integrations
APPROVED

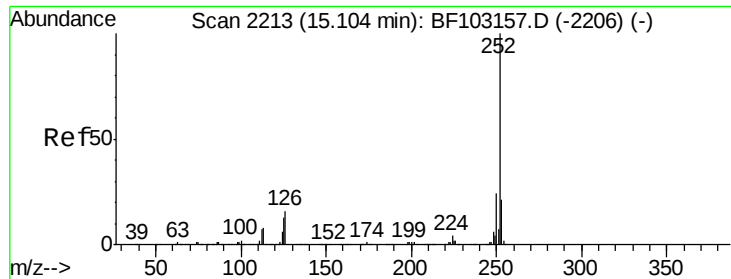
Sohil
2/28/2018 11:18:01 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.288 ng m

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

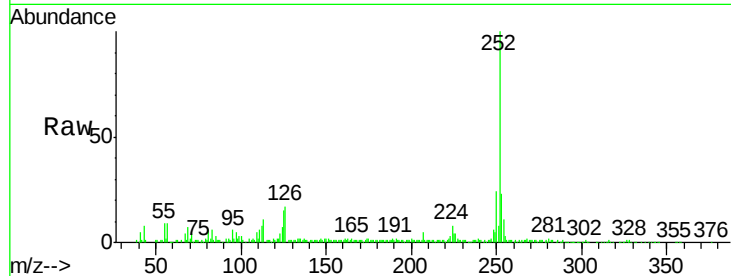
ClientSampled :

B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.0	9.0	13.6

Manual Integrations
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2/28/2018 11:18:01 AM

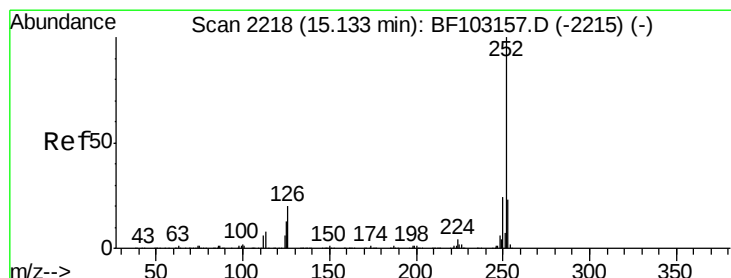
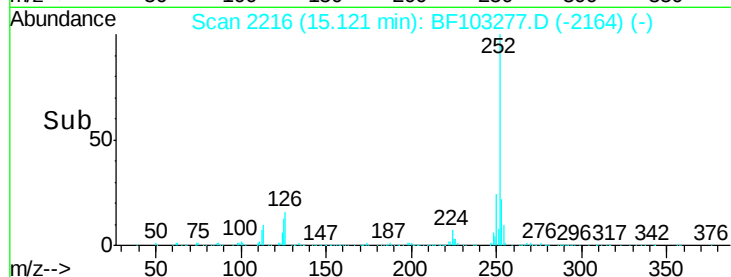
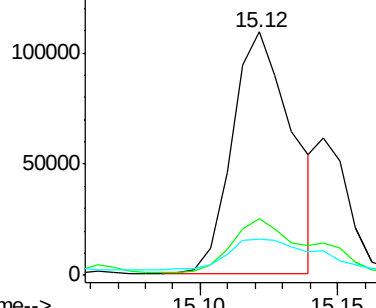


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 4.002 ng m

RT: 15.14 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

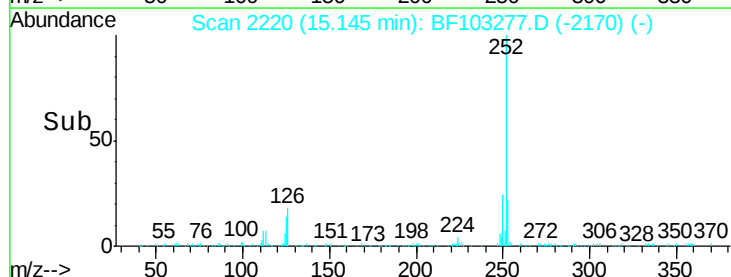
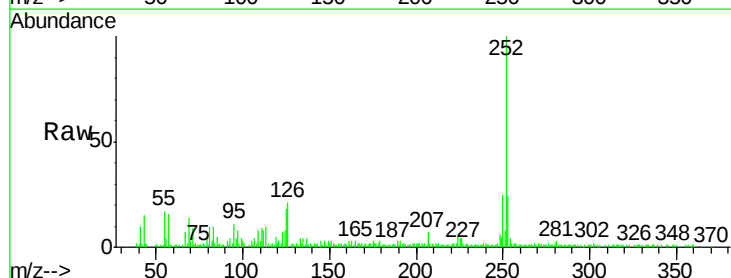
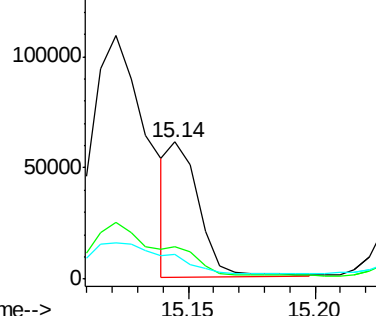
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	17.9	10.2	15.2

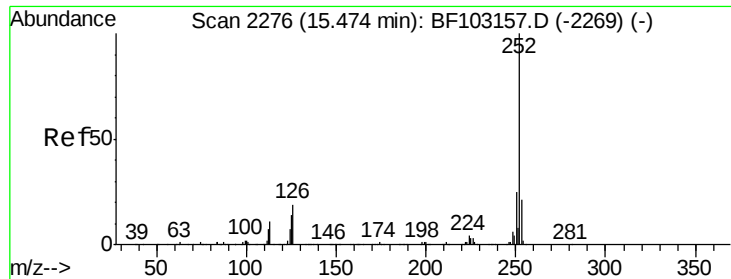
Abundance

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





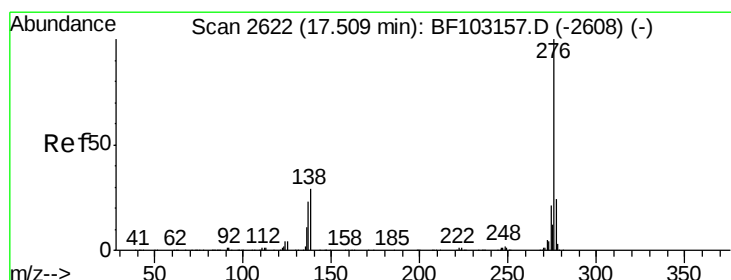
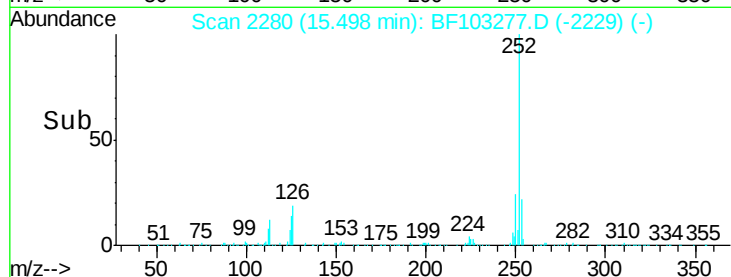
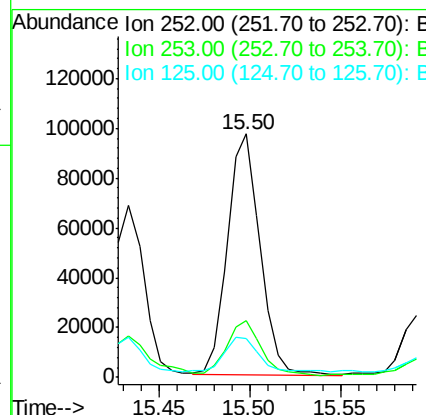
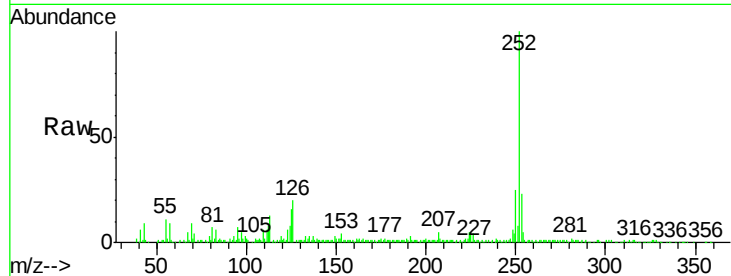
#89
Benzo(a)pyrene
Concen: 10.064 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :
B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	16.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.119 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	32.7	21.8	32.8

