

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103329.D
 Acq On : 1 Mar 2018 11:55
 Operator : SJ/JU
 Sample : J1709-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2

Manual Integrations
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Sohil
 3/2/2018 3:30:20 PM

Quant Time: Mar 01 18:19:14 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	161997	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	655606	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	287102	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	464019	20.00	ng	0.00
75) Chrysene-d12	14.06	240	219976	20.00	ng	0.00
86) Perylene-d12	15.57	264	270366	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1037528	96.87	ng	0.01
7) Phenol-d6	6.51	99	1310272	99.97	ng	0.00
23) Nitrobenzene-d5	7.44	82	799128	69.61	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	194860	80.18	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1027433	56.82	ng	0.00
78) Terphenyl-d14	12.99	244	647978	70.81	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	176370	5.495	ng	99
37) 2-Methylnaphthalene	8.87	142	71519	3.448	ng	96
49) Dimethylphthalate	9.62	163	118713	5.154	ng	99
51) Acenaphthene	9.95	154	134975	7.904	ng	98
54) Dibenzofuran	10.12	168	148355	6.329	ng	92
57) Fluorene	10.46	166	204586	10.245	ng	97
70) Phenanthrene	11.44	178	1494995	58.544	ng	99
71) Anthracene	11.48	178	488566	18.658	ng	99
72) Carbazole	11.64	167	154997	5.944	ng	98
74) Fluoranthene	12.63	202	1528190	59.552	ng	99
77) Pyrene	12.86	202	1371614	79.974	ng	100
80) Benzo(a)anthracene	14.05	228	643654	45.096	ng	98
82) Chrysene	14.09	228	561169	40.493	ng	97
83) Bis(2-ethylhexyl)phthalate	14.02	149	43877	3.588	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.10	276	321108	29.267	ng	96
87) Benzo(b)fluoranthene	15.13	252	755978m	42.527	ng	
88) Benzo(k)fluoranthene	15.16	252	210975m	12.604	ng	
89) Benzo(a)pyrene	15.51	252	560576	35.313	ng	# 95
90) Dibenzo(a,h)anthracene	17.10	278	89314m	7.281	ng	
91) Benzo(a,h,i)perylene	17.56	276	304190	25.374	ng	96

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

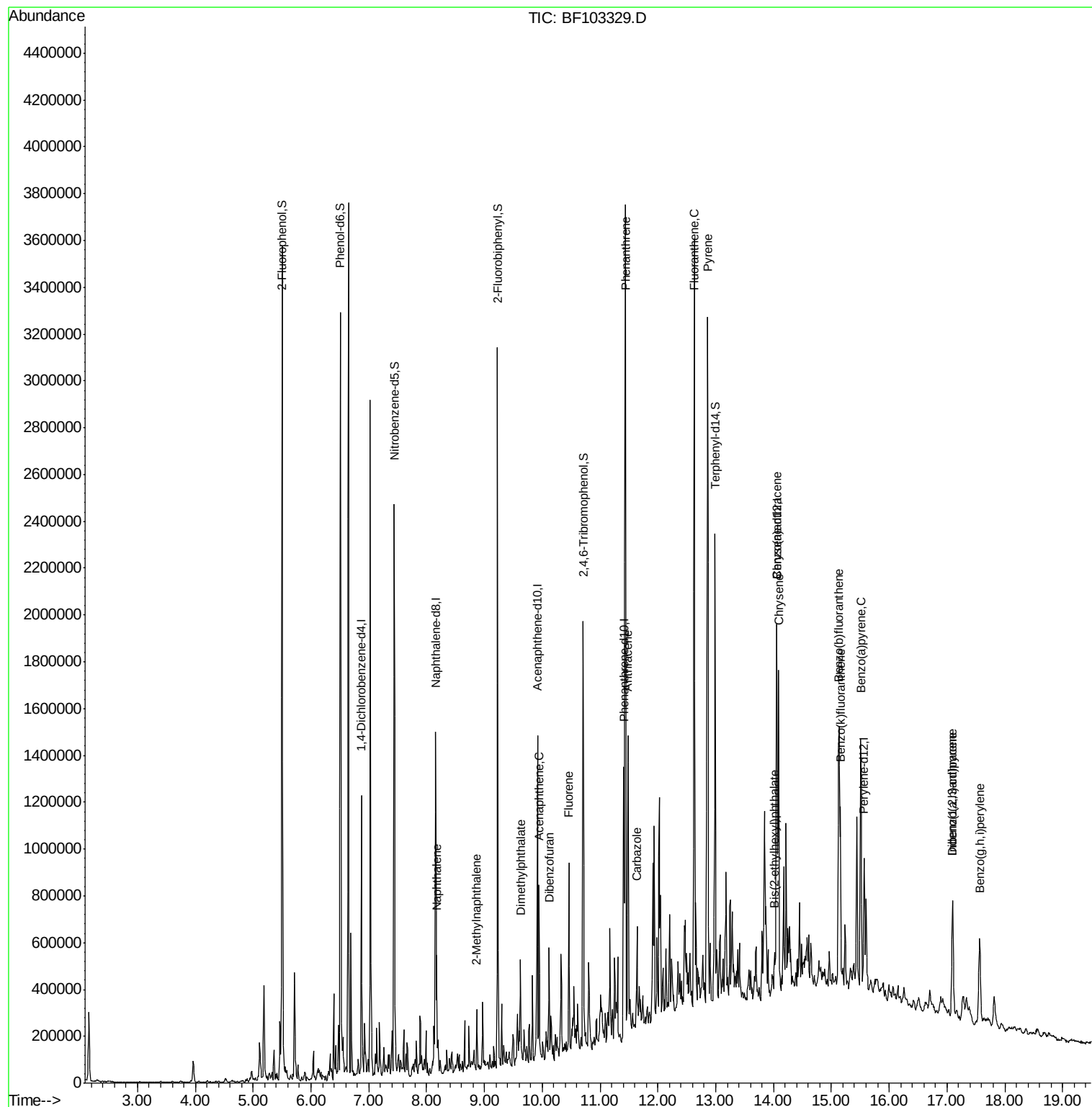
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030118\
Data File : BF103329.D
Acq On : 1 Mar 2018 11:55
Operator : SJ/JU
Sample : J1709-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

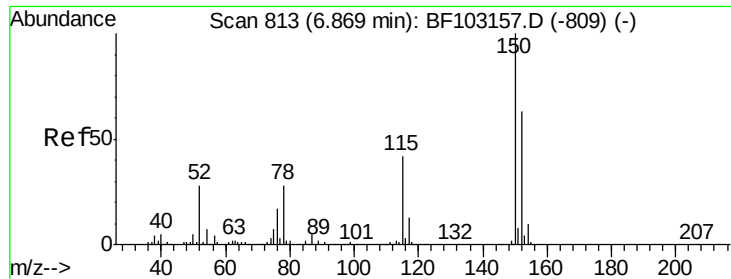
Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Manual Integrations
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Quant Time: Mar 01 18:19:14 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





#1

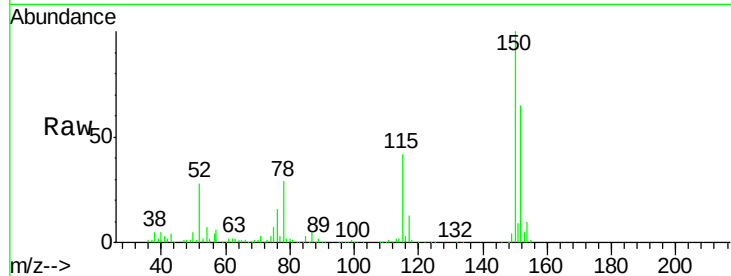
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	64.6	50.1	75.1

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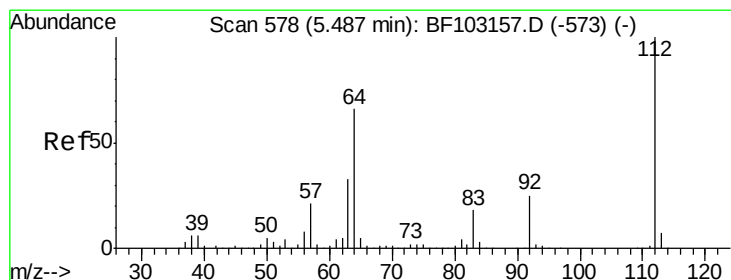
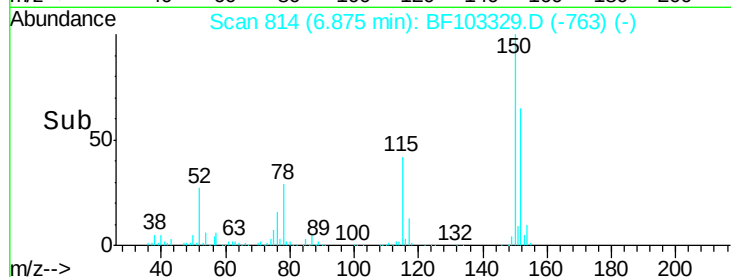
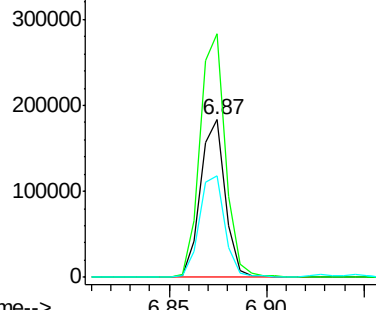


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

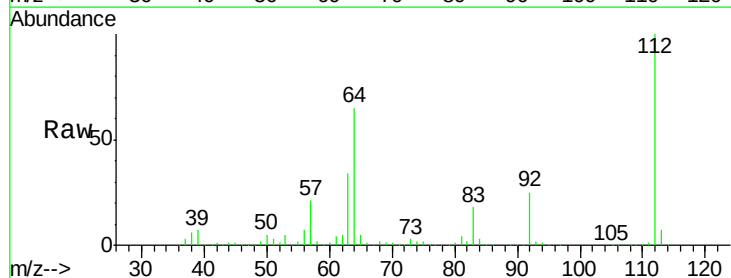
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.865 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	47.9	71.9
63	33.9	23.7	35.5

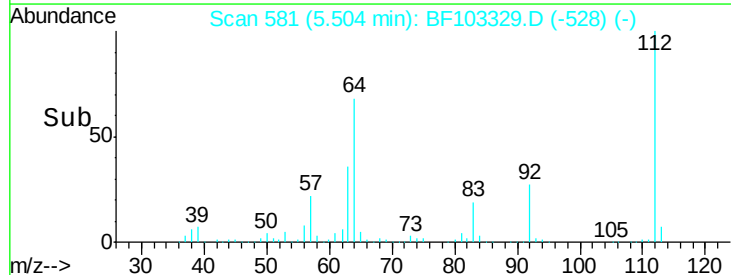
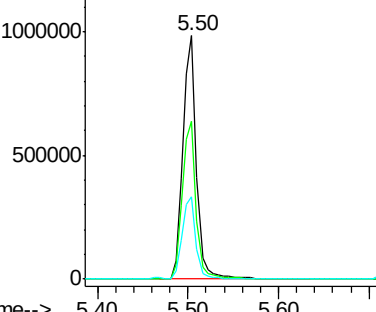


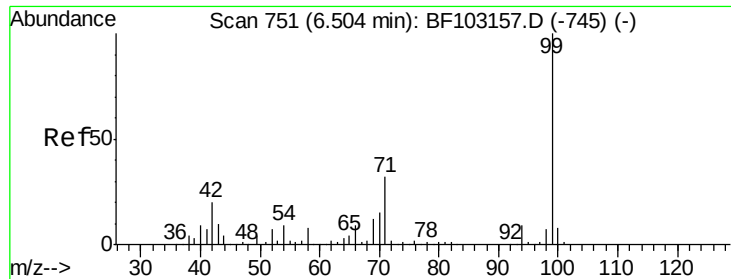
Abundance

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: 99.971 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Instrument :

BNA_F

ClientSampled :

DRUM-1-2

Tot Ion: 99 Resp: 1310272

Ion Ratio Lower Upper

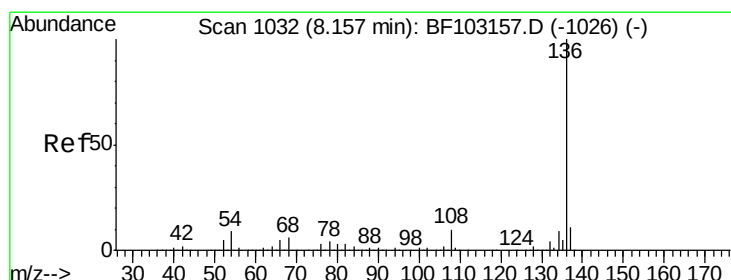
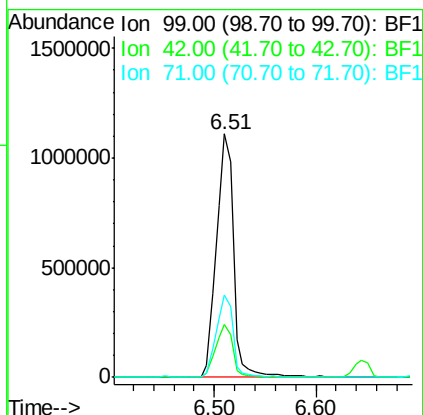
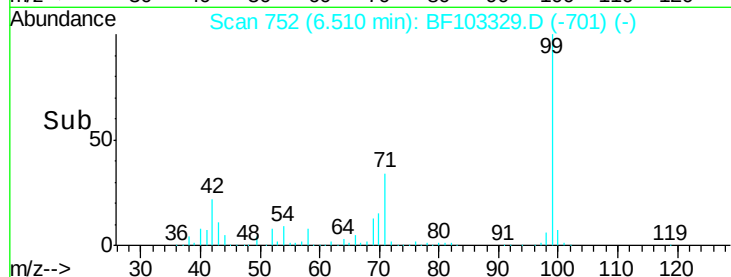
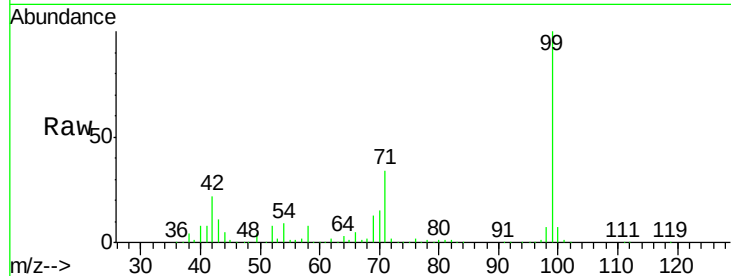
99 100

42 21.7 14.5 21.7

71 33.9 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: BF103329.D

Acq: 1 Mar 2018 11:55

Tgt Ion: 136 Resp: 655606

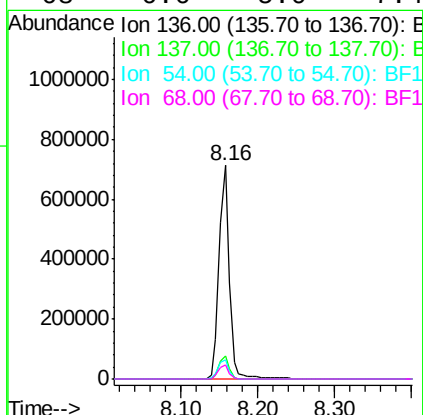
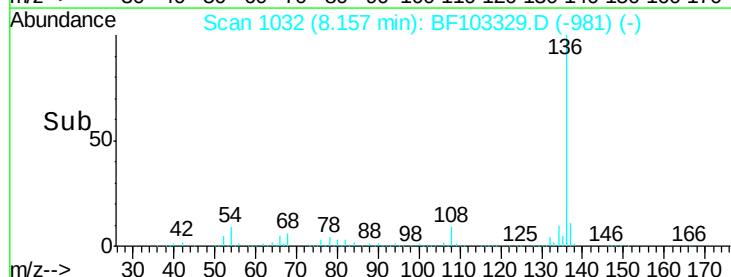
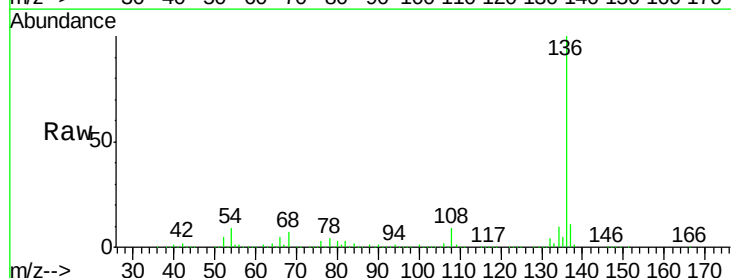
Ion Ratio Lower Upper

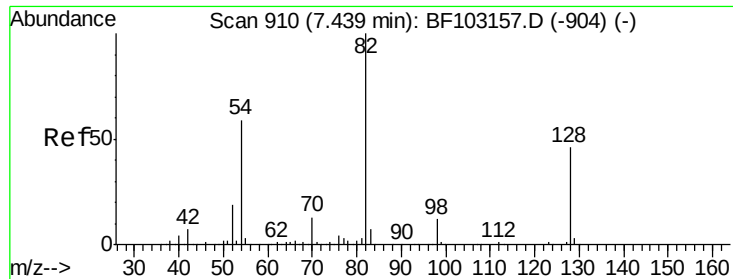
136 100

137 10.7 8.9 13.3

54 9.1 6.6 9.8

68 6.6 5.0 7.4





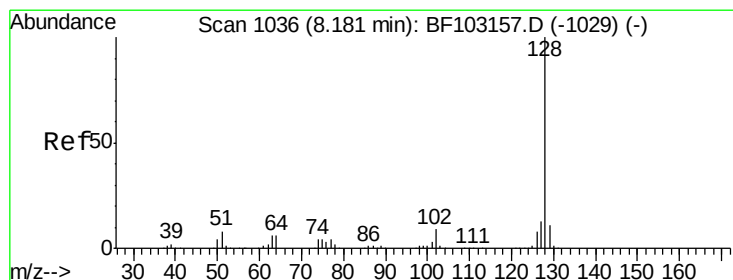
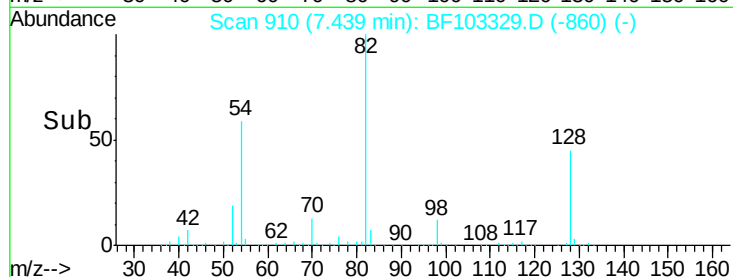
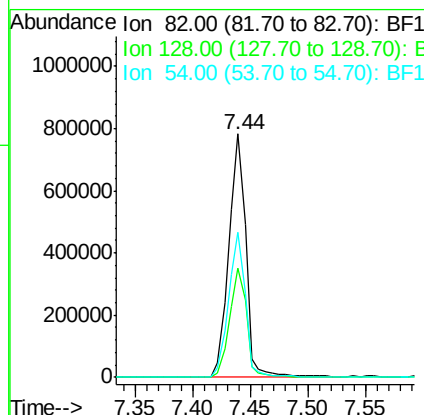
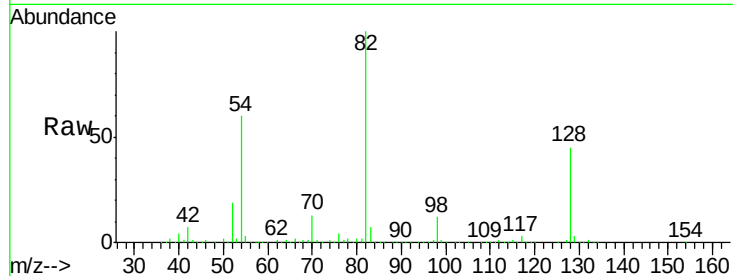
#23
Nitrobenzene-d5
Concen: 69.610 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	59.5	41.4	62.2

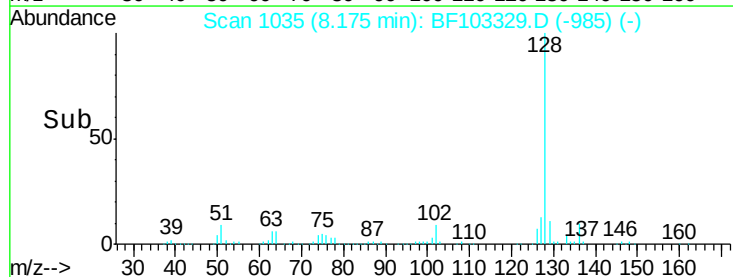
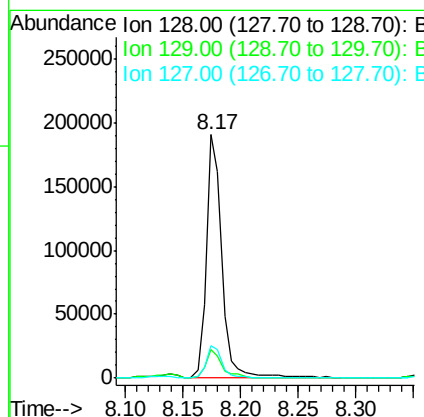
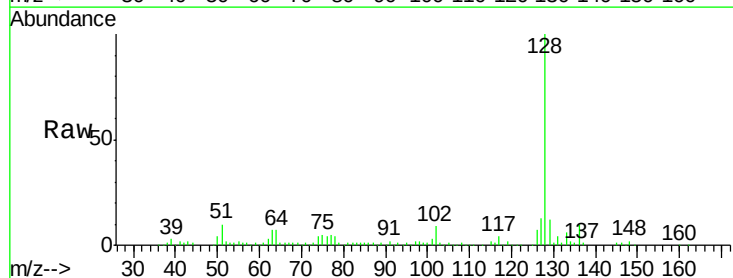
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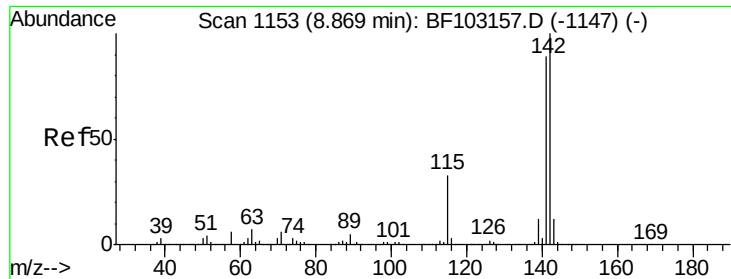
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#31
Naphthalene
Concen: 5.495 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.4	10.9	16.3





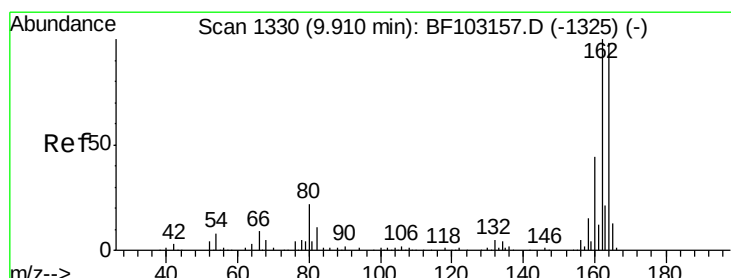
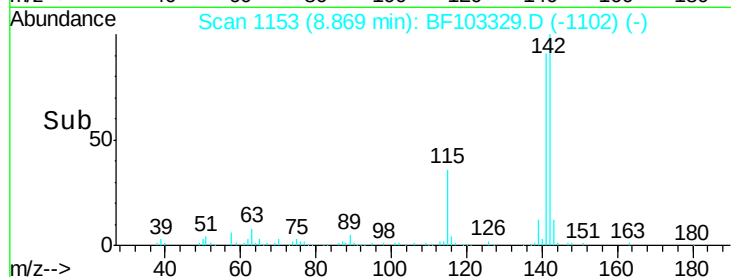
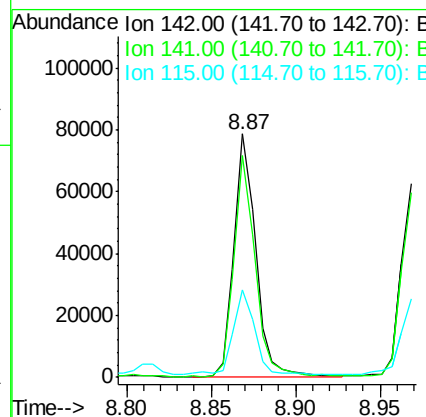
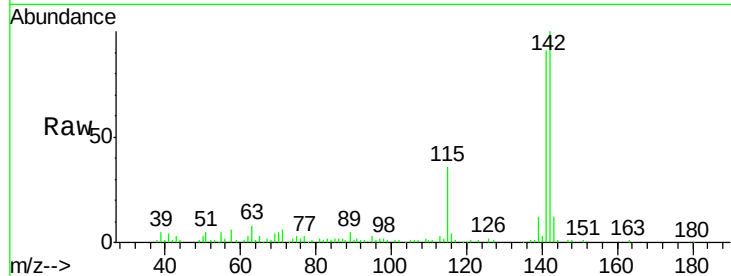
#37
2-Methylnaphthalene
Concen: 3.448 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampled :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.8	106.2
115	36.1	26.1	39.1

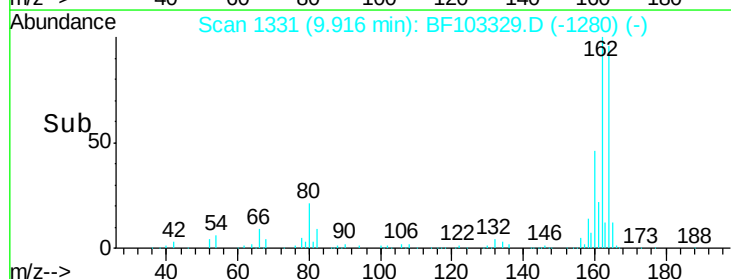
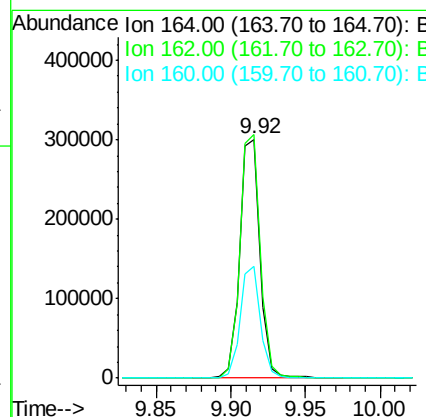
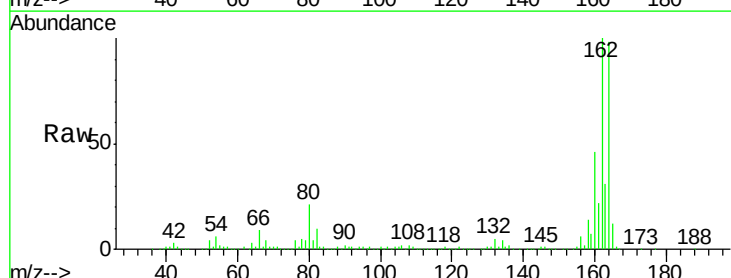
Manual Integrations
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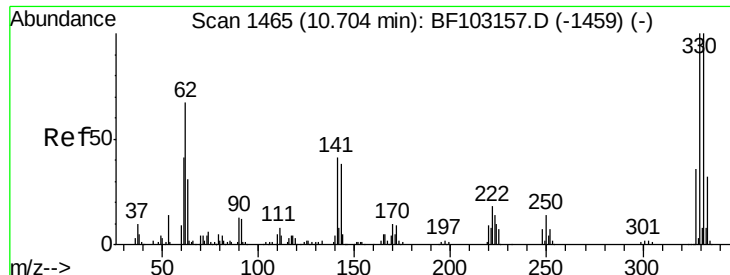
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	46.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 80.184 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Instrument :

BNA_F

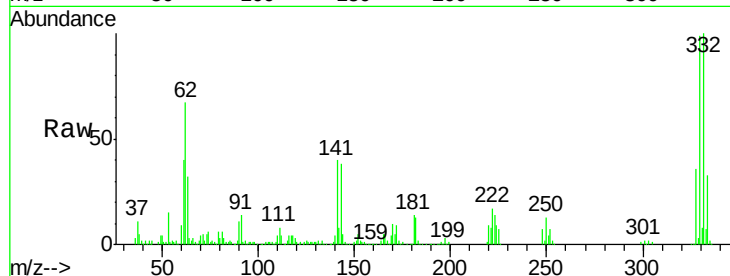
ClientSampled :

DRUM-1-2

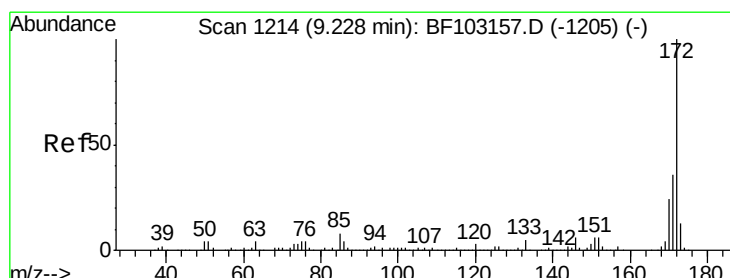
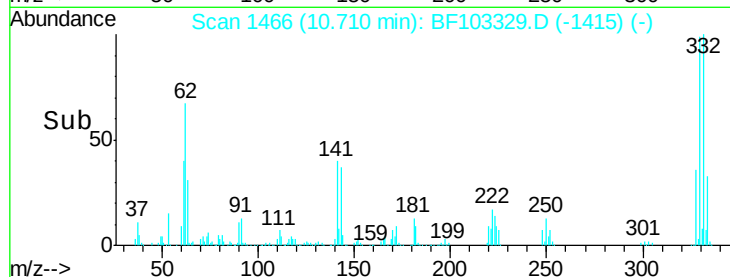
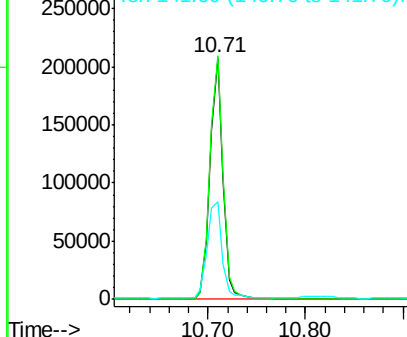
Tot Ion	Ratio	Lower	Upper
330	100		
332	102.6	77.0	115.6
141	47.2	29.9	44.9

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 56.823 ng

RT: 9.23 min Scan# 1214

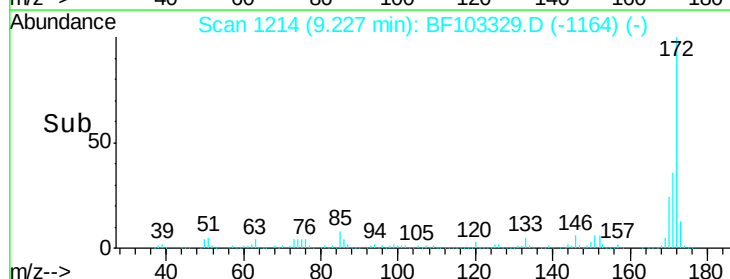
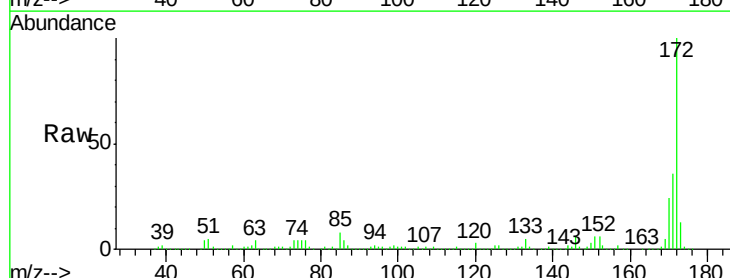
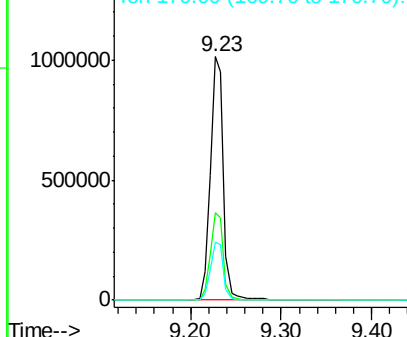
Delta R.T. -0.01 min

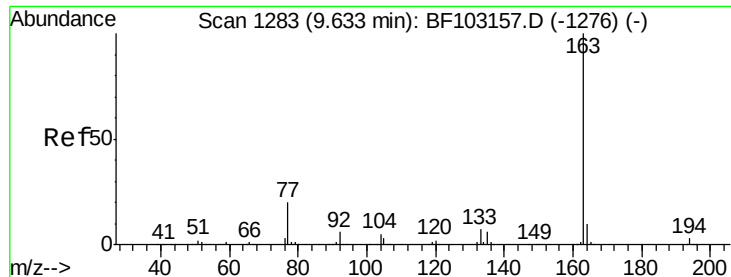
Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





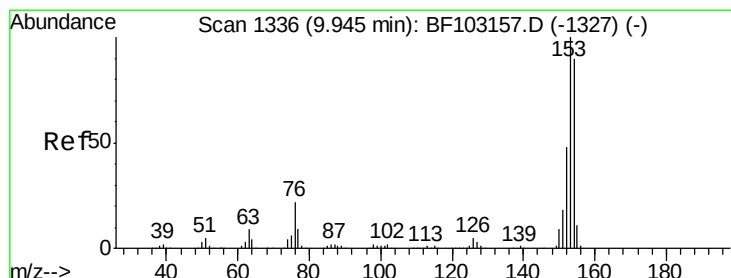
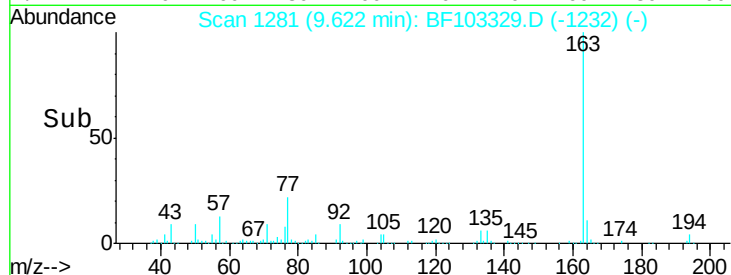
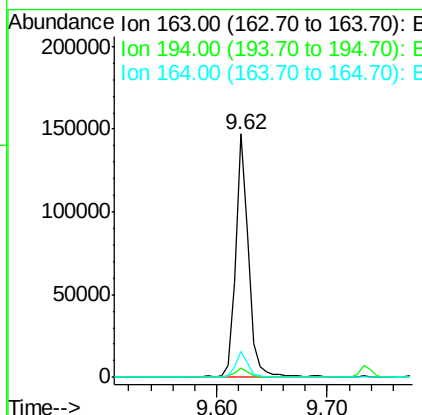
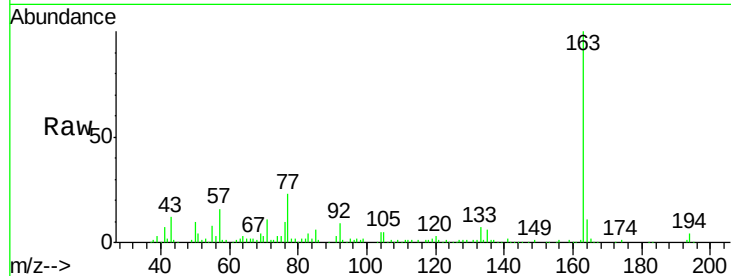
#49
Dimethylphthalate
Concen: 5.154 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.6	8.2	12.2	

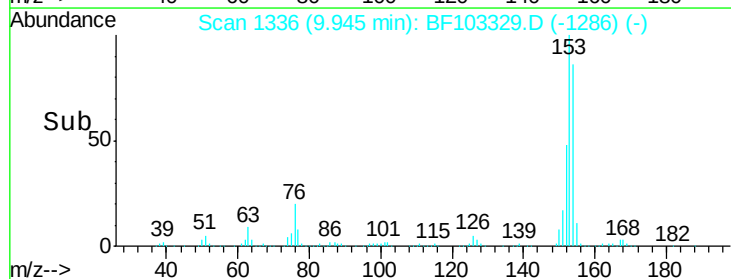
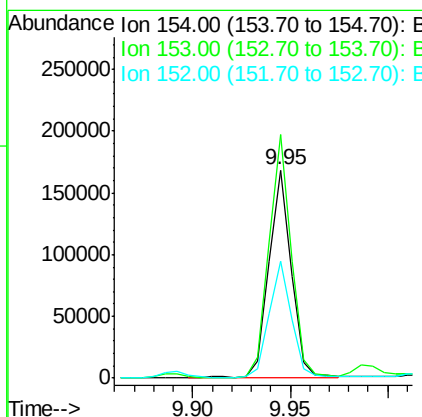
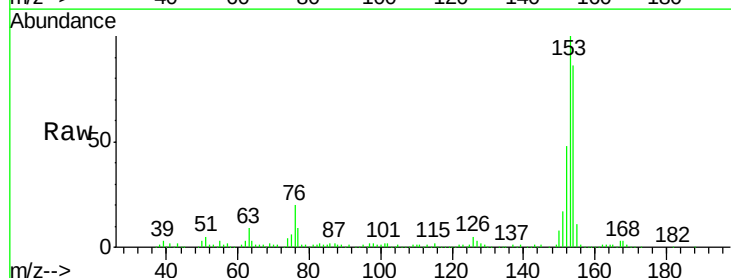
Manual Integrations
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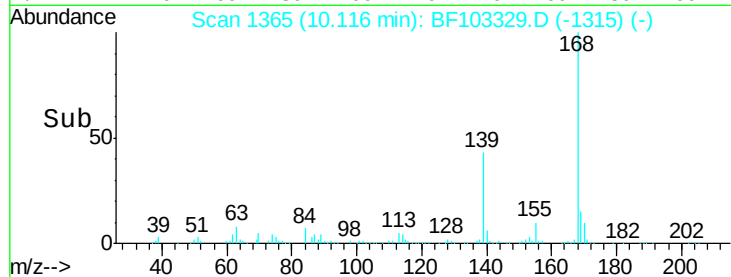
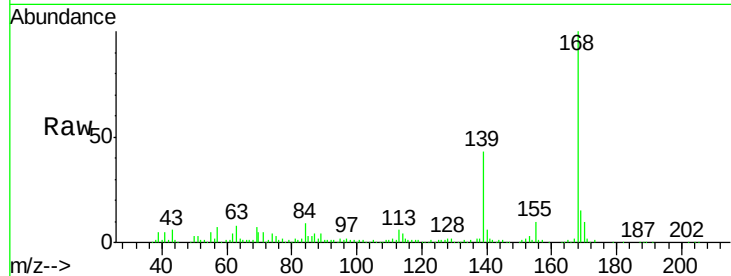
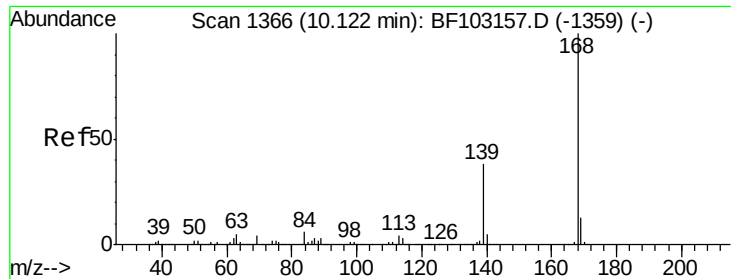
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#51
Acenaphthene
Concen: 7.904 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.8	91.2	136.8	
152	56.1	43.8	65.8	





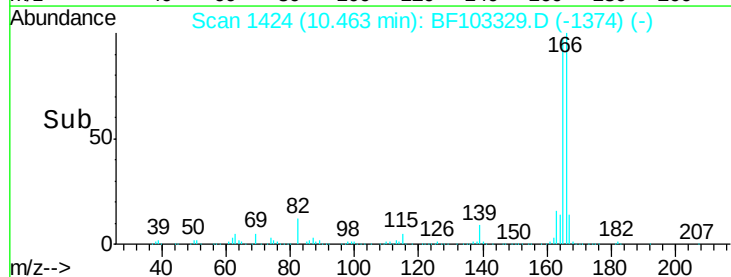
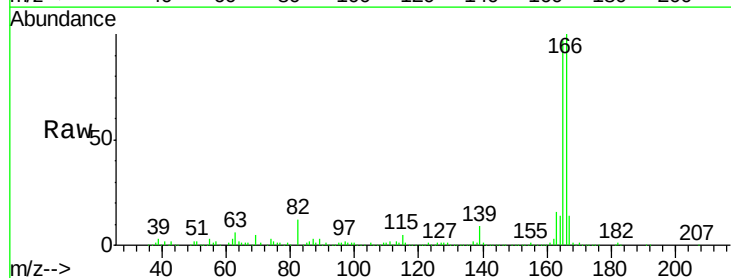
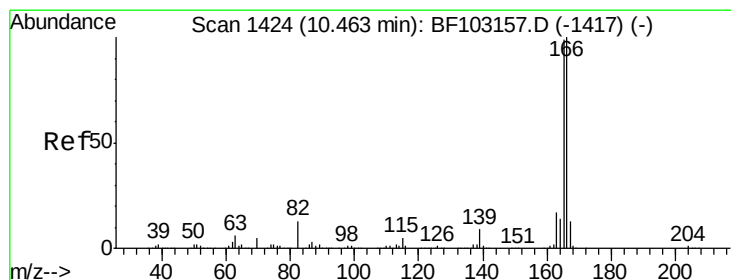
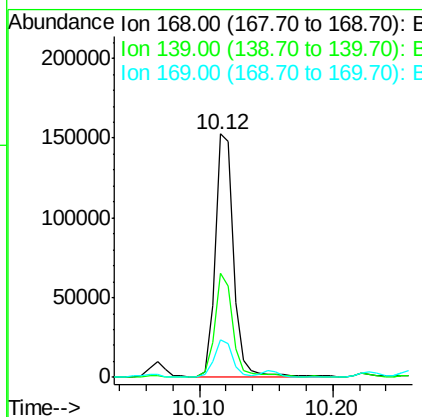
#54
Dibenzofuran
Concen: 6.329 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampled :
DRUM-1-2

Tot Ion	Ratio	Resp	Lower	Upper
168	100	148355		
139	43.0		30.1	45.1
169	15.4		10.9	16.3

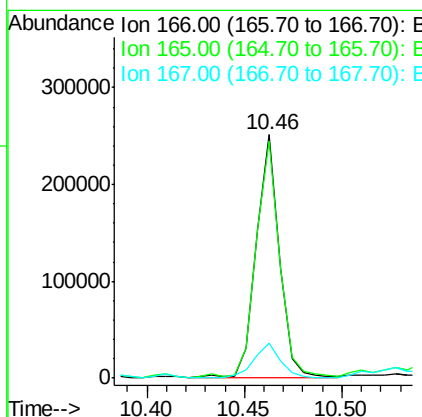
Manual Integrations
APPROVED

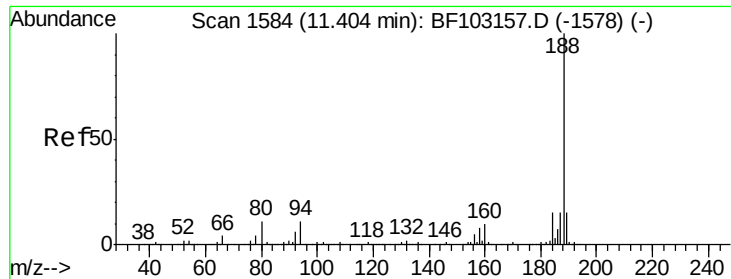
Sohil
3/2/2018 3:30:20 PM



#57
Fluorene
Concen: 10.245 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	204586		
165	97.2		79.8	119.8
167	14.3		10.6	16.0





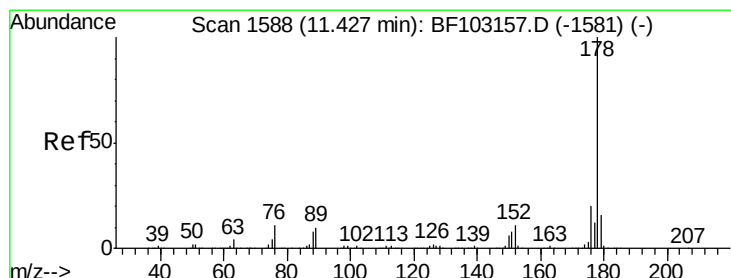
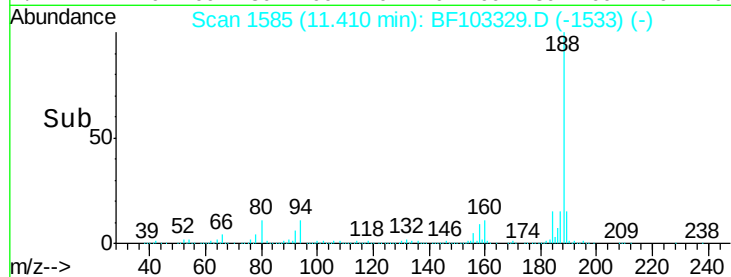
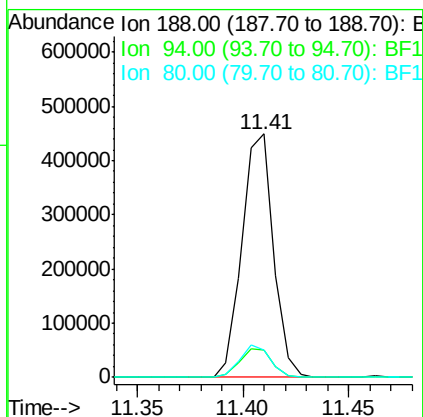
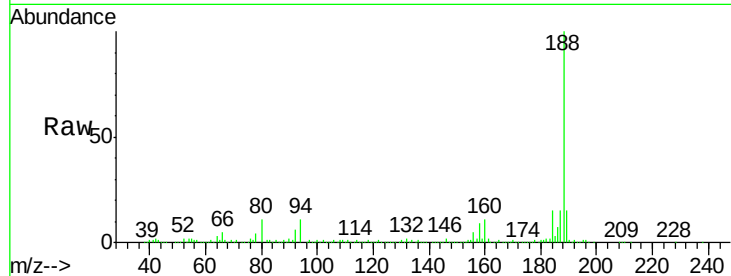
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	464019		
94	11.1		8.5	12.7
80	11.3		9.2	13.8

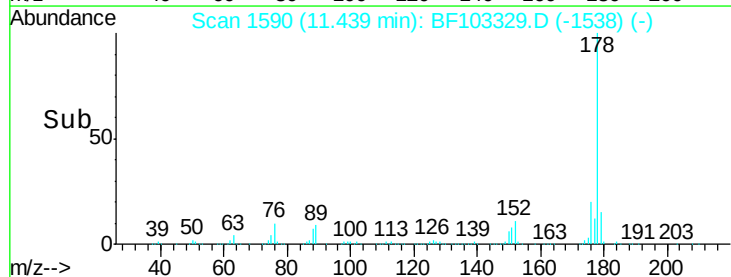
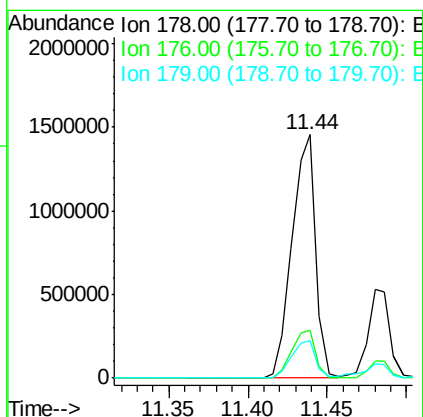
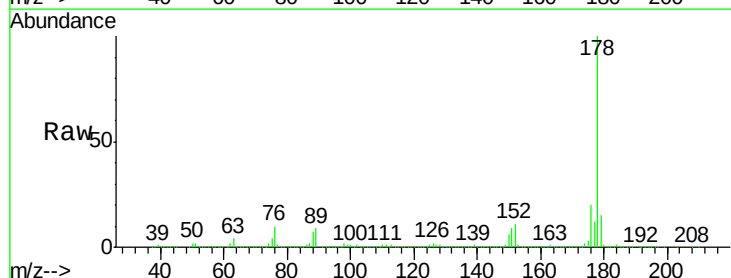
Manual Integrations
APPROVED

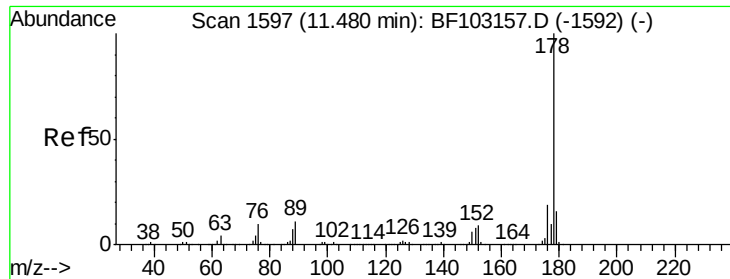
Sohil
3/2/2018 3:30:20 PM



#70
Phenanthrene
Concen: 58.544 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1494995		
176	19.7		15.8	23.8
179	15.5		13.0	19.6





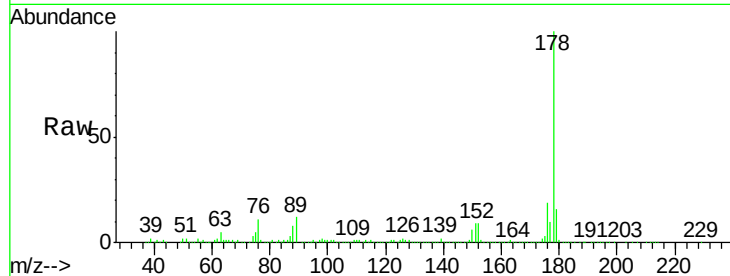
#71
 Anthracene
 Concen: 18.658 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103329.D
 Acq: 1 Mar 2018 11:55

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.2	12.6	19.0

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:30:20 PM

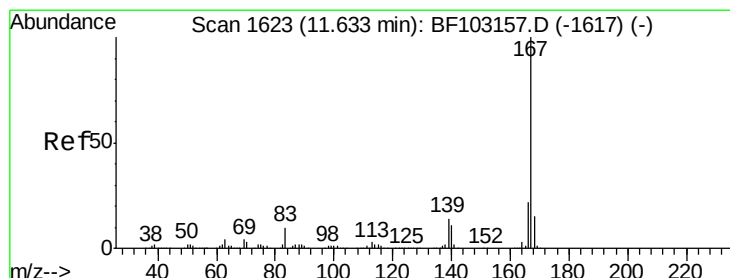
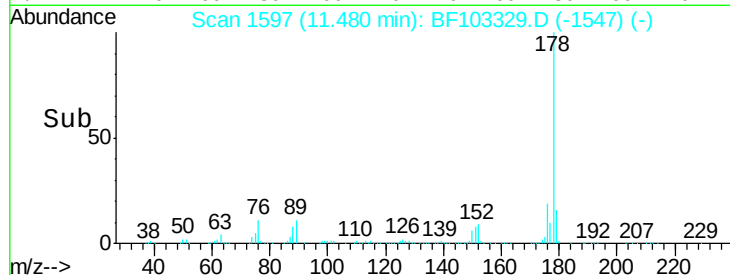
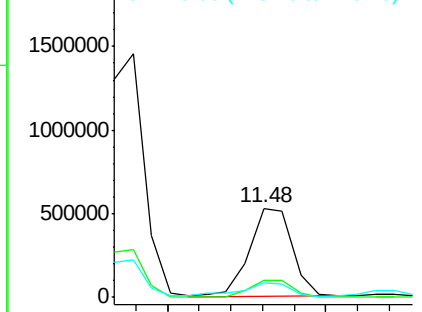


Abundance

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



#72
 Carbazole
 Concen: 5.944 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF103329.D
 Acq: 1 Mar 2018 11:55

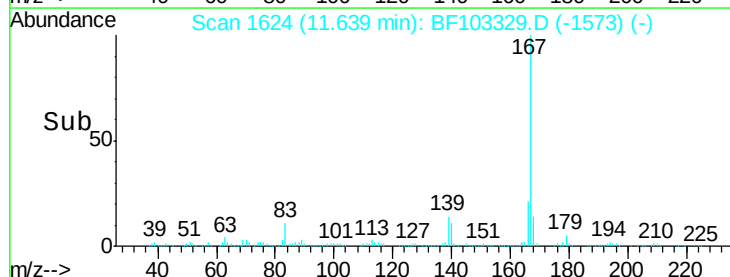
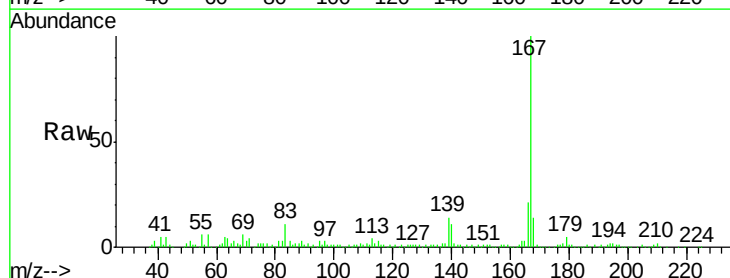
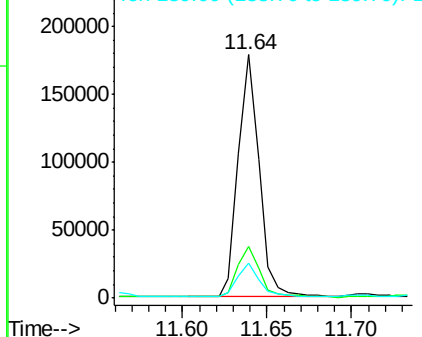
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	14.5	10.9	16.3

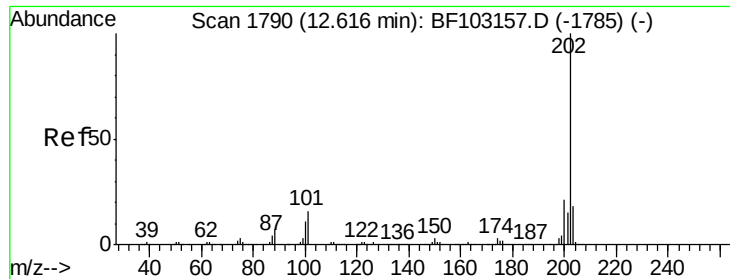
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 59.552 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Instrument :

BNA_F

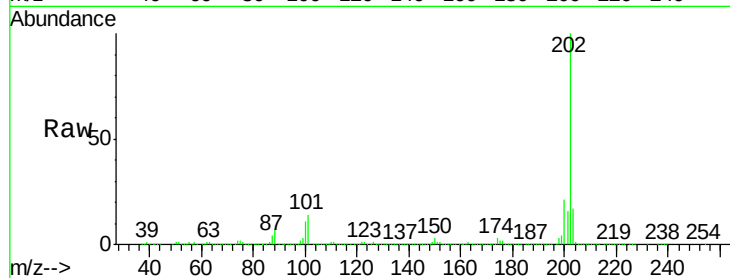
ClientSampleId :

DRUM-1-2

Tot Ion:	202	Resp:	1528190
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
APPROVED

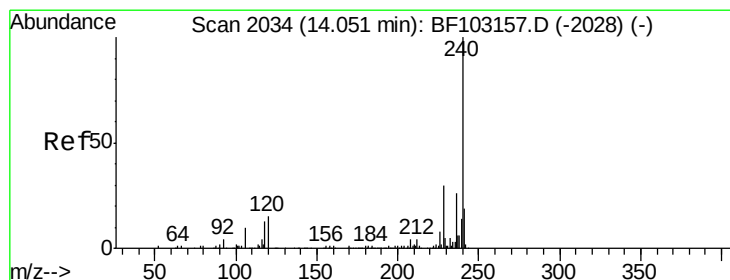
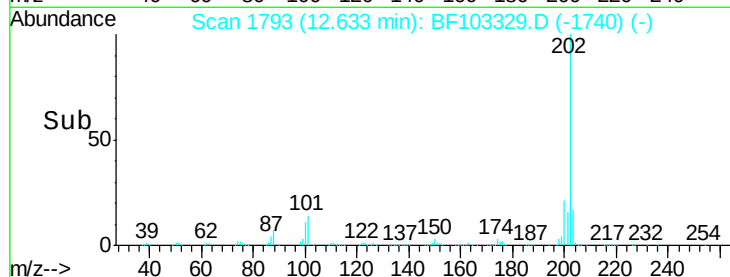
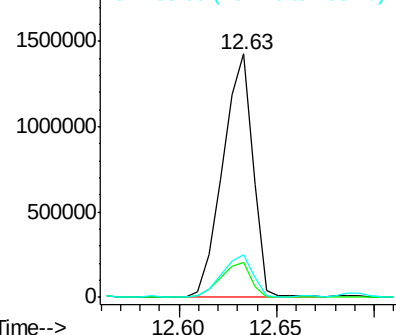
Sohil
3/2/2018 3:30:20 PM



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: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103329.D

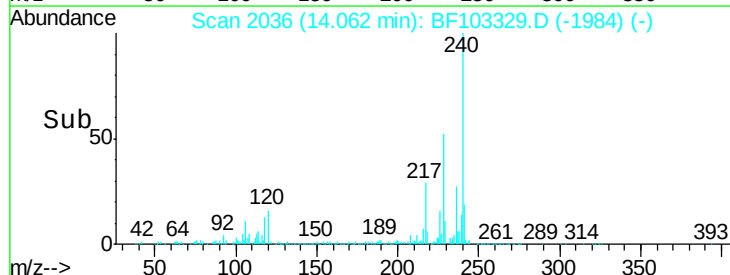
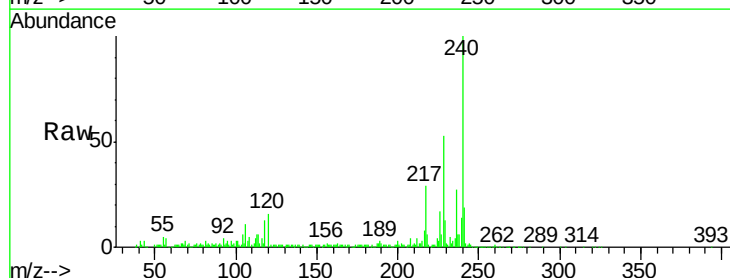
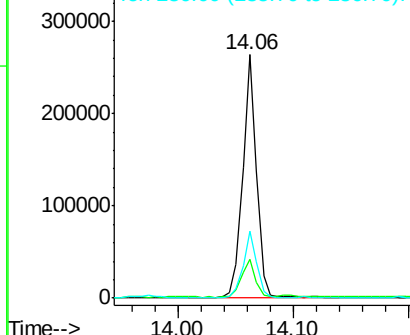
Acq: 1 Mar 2018 11:55

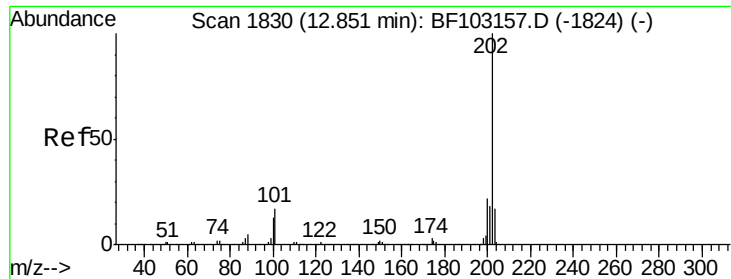
Tgt Ion:	240	Resp:	219976
Ion Ratio	Lower	Upper	
240	100		
120	16.1	9.5	14.3#
236	27.4	20.7	31.1

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





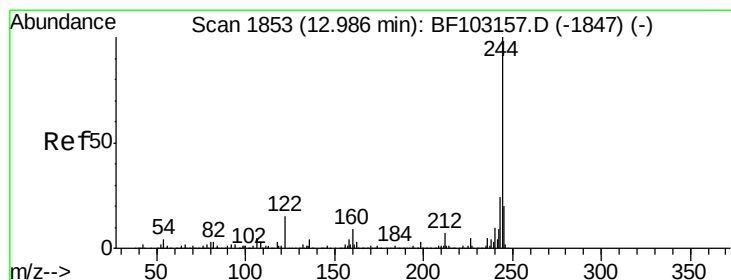
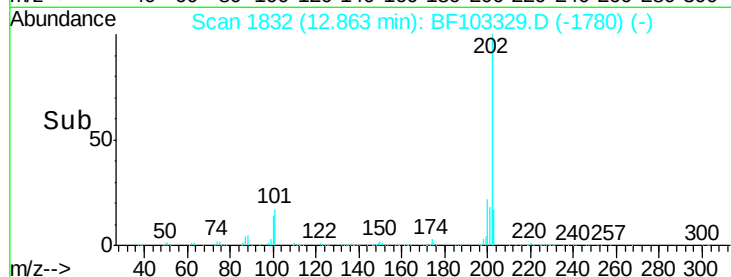
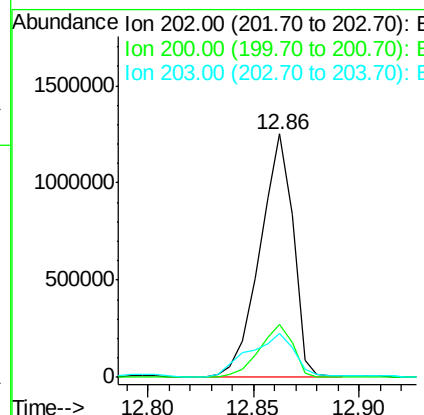
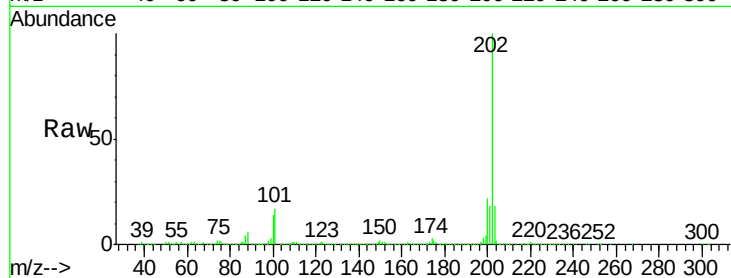
#77
Pvrene
Concen: 79.974 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.1	14.3	21.5

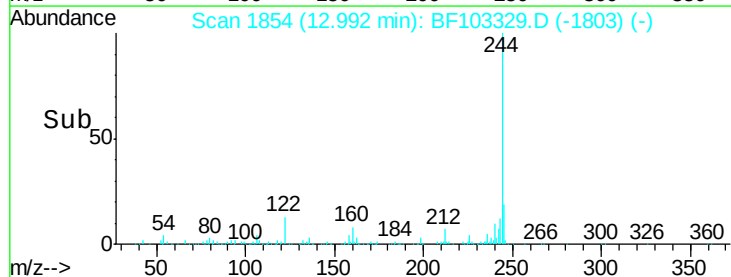
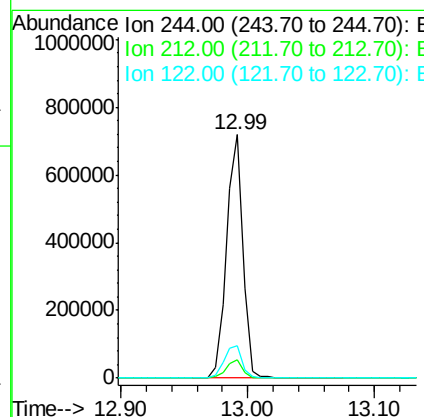
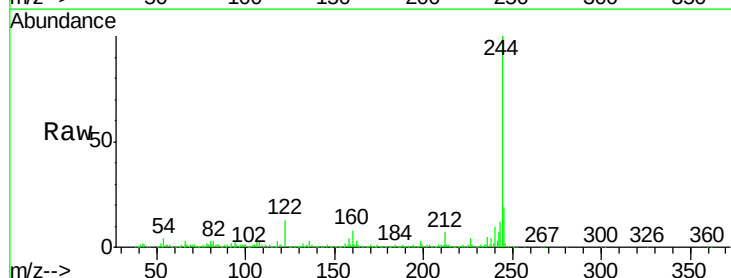
Manual Integrations
APPROVED

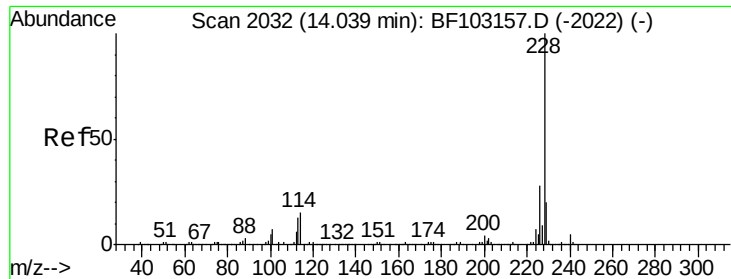
Sohil
3/2/2018 3:30:20 PM



#78
Terphenyl-d14
Concen: 70.810 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	13.5	11.0	16.4





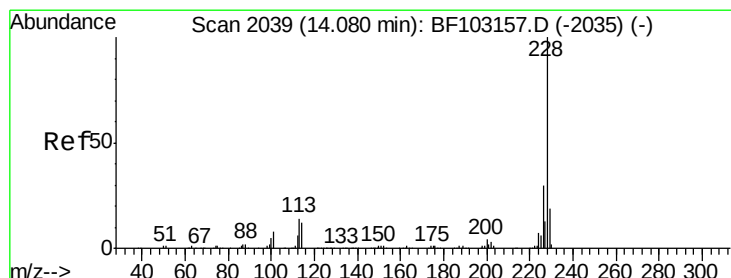
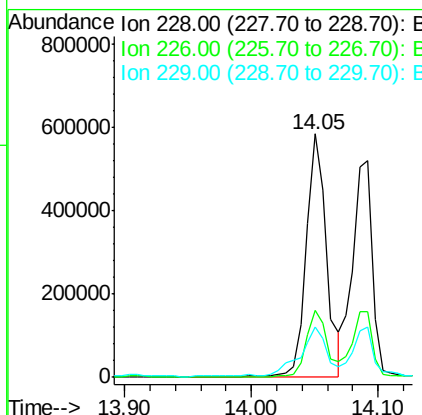
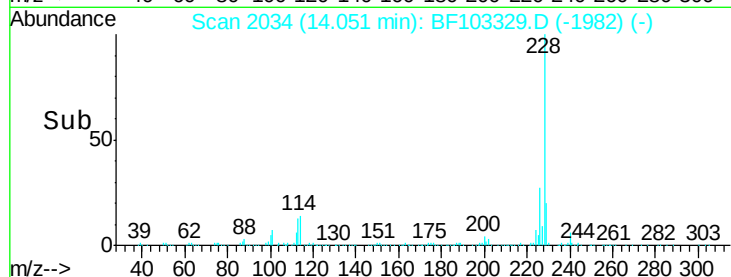
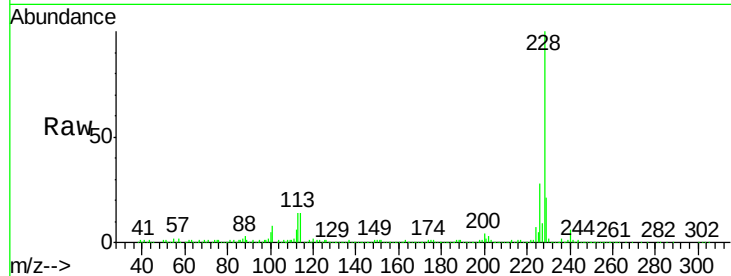
#80
Benzo(a)anthracene
Concen: 45.096 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.6	15.8	23.6

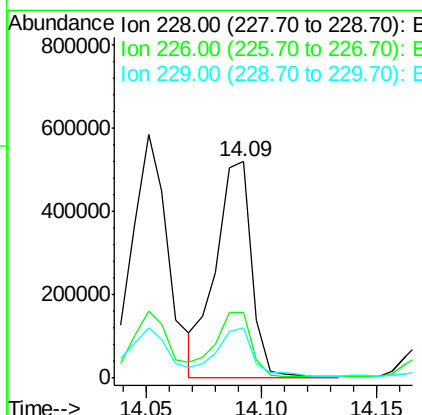
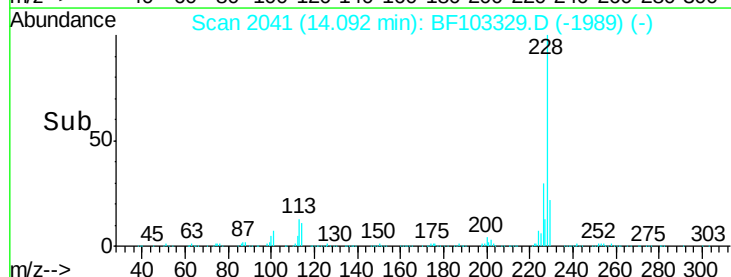
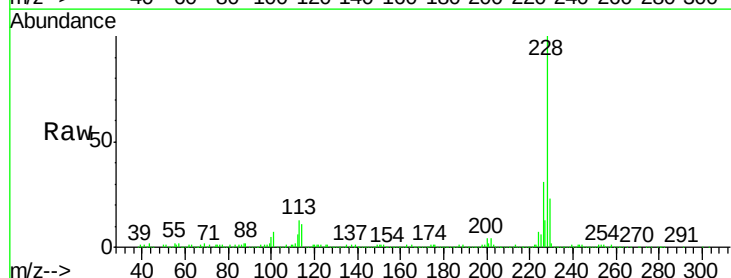
Manual Integrations
APPROVED

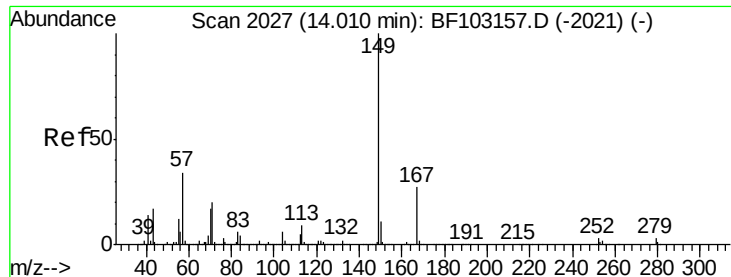
Sohil
3/2/2018 3:30:20 PM



#82
Chrysene
Concen: 40.493 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.2	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.588 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Instrument :

BNA_F

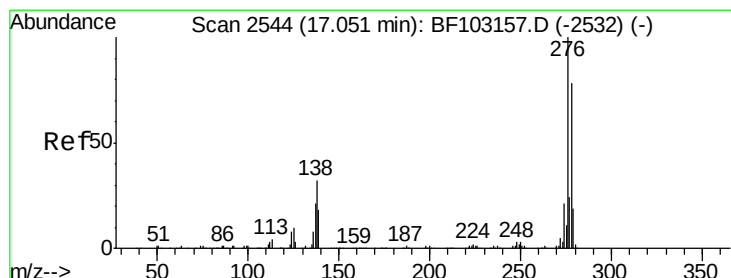
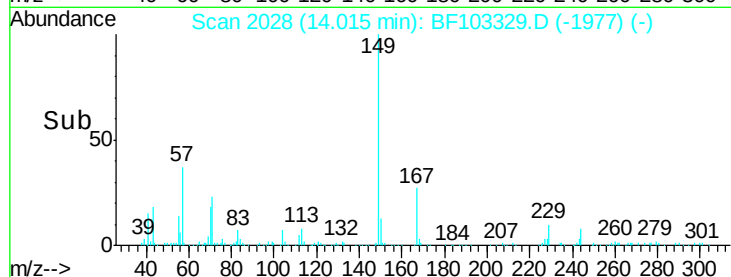
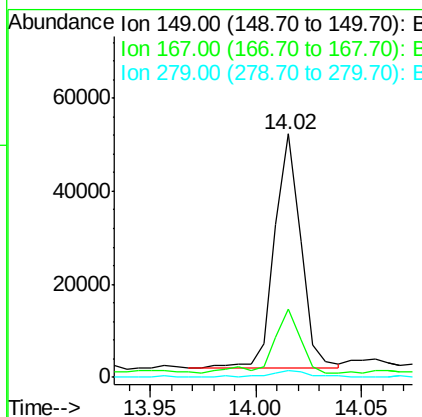
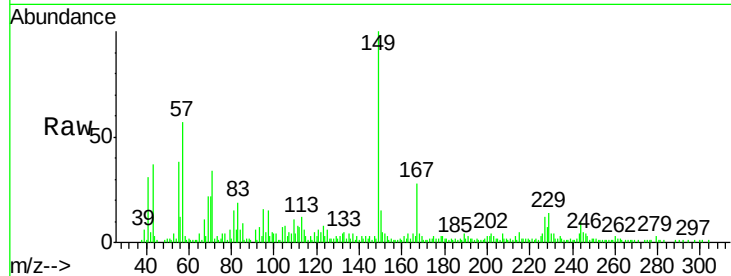
ClientSampleId :

DRUM-1-2

Tot Ion:	149	Resp:	43877
Ion Ratio	Lower	Upper	
149	100		
167	28.0	21.3	31.9
279	2.9	3.0	4.4#

Manual Integrations
APPROVED

Sohil
3/2/2018 3:30:20 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 29.267 ng

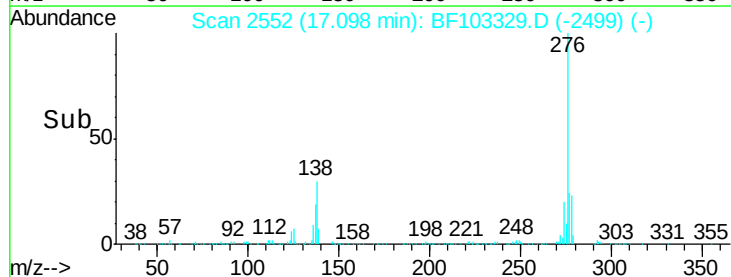
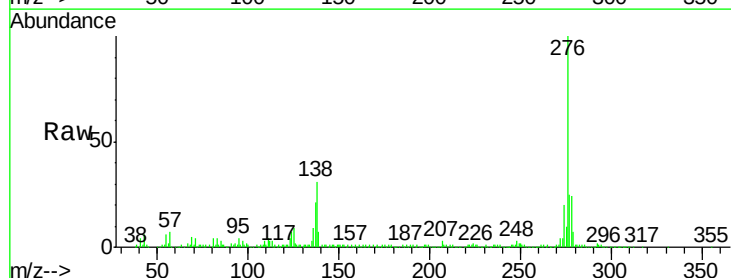
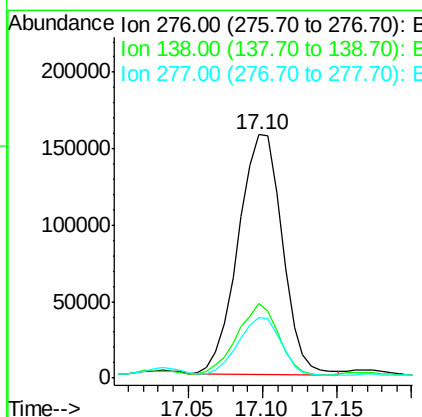
RT: 17.10 min Scan# 2552

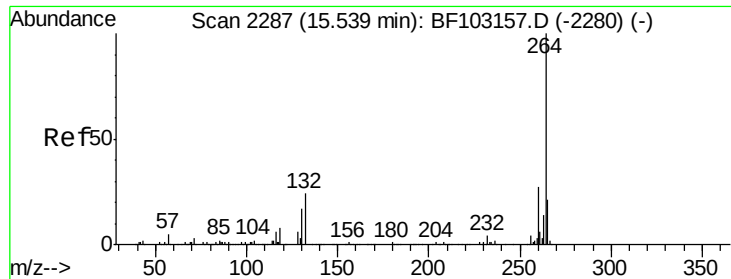
Delta R.T. 0.01 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Tgt Ion:	276	Resp:	321108
Ion Ratio	Lower	Upper	
276	100		
138	28.3	25.0	37.6
277	23.8	20.1	30.1





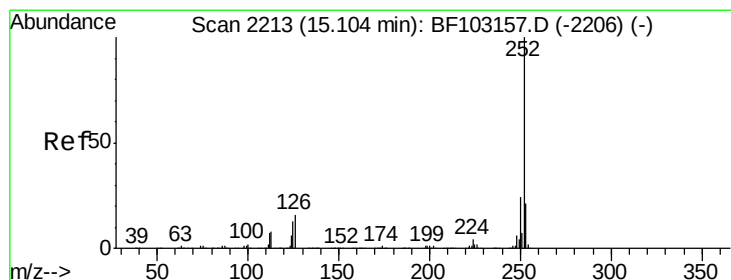
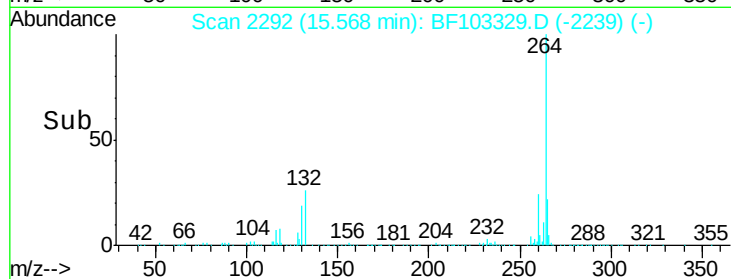
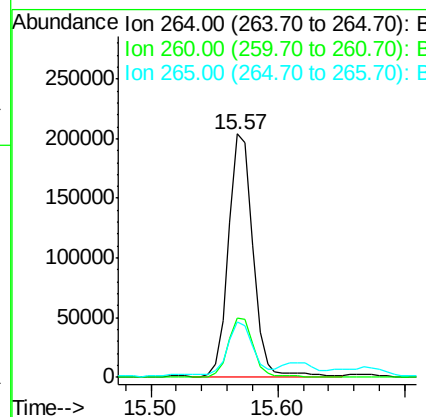
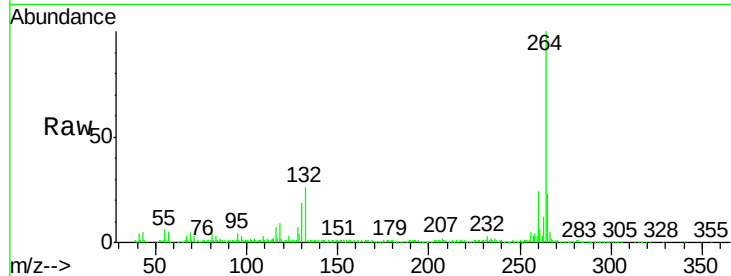
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampled :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	17.5	26.3

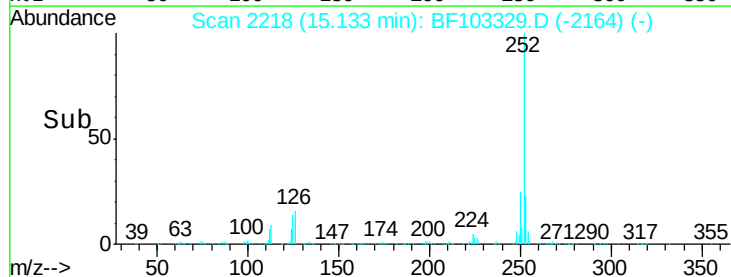
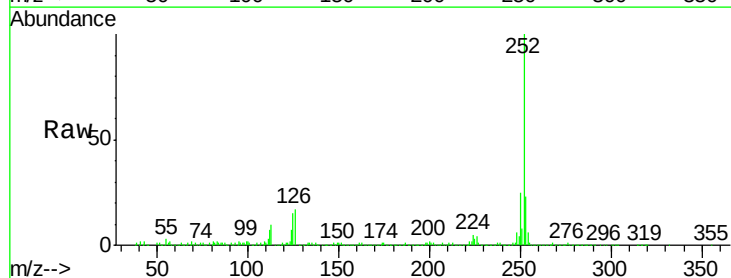
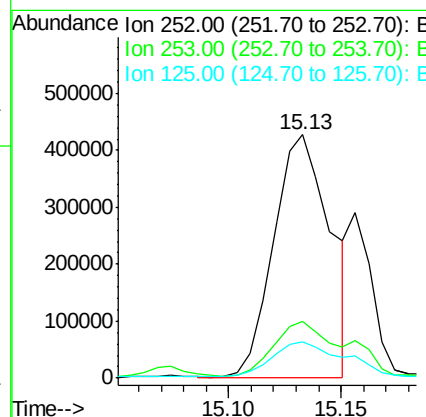
Manual Integrations
APPROVED

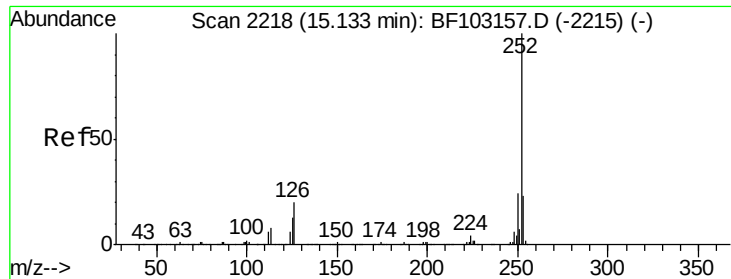
Sohil
3/2/2018 3:30:20 PM



#87
Benzo(b)fluoranthene
Concen: 42.527 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.02 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	14.8	9.0	13.6





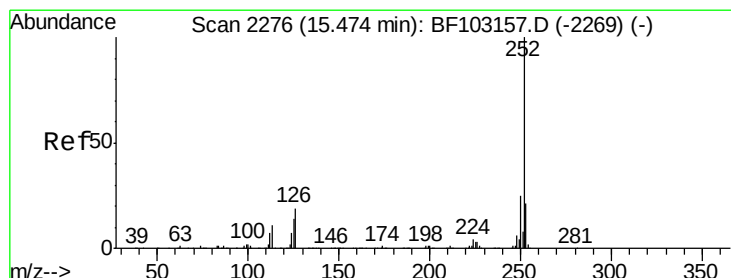
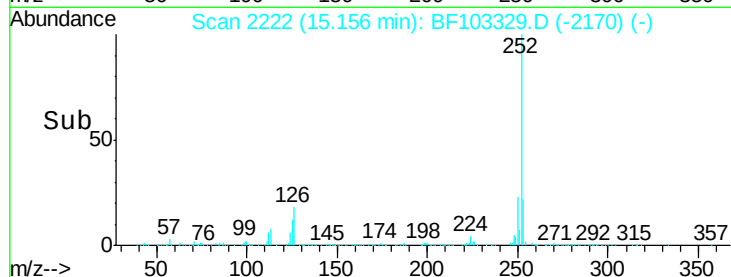
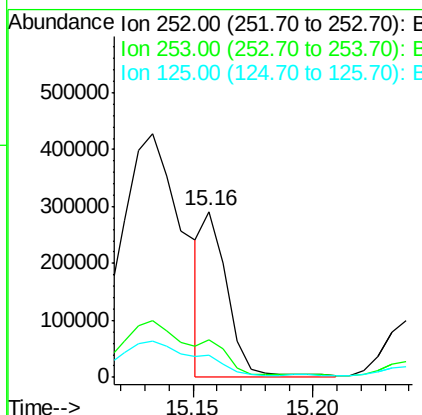
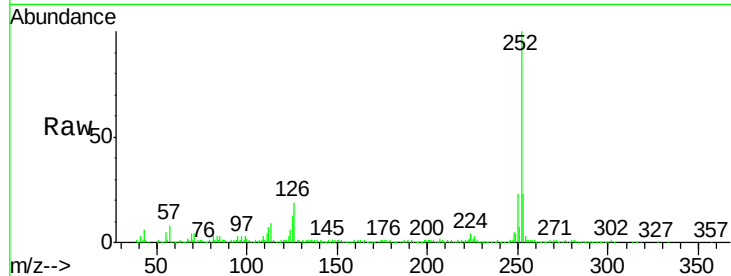
#88
Benzo(k)fluoranthene
Concen: 12.604 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	13.3	10.2	15.2

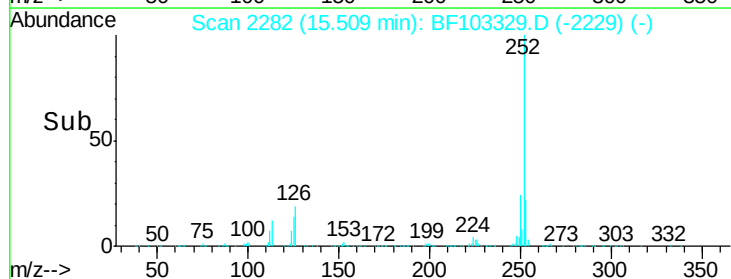
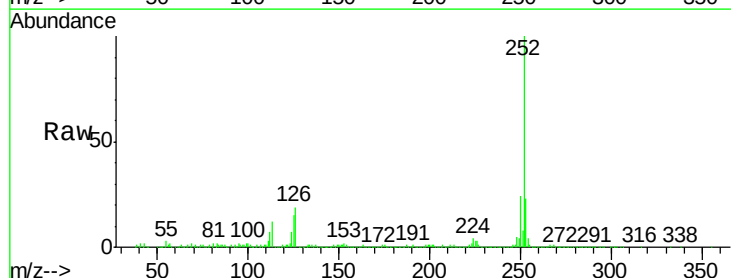
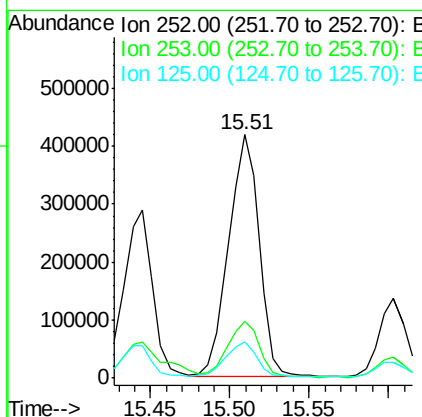
Manual Integrations
APPROVED

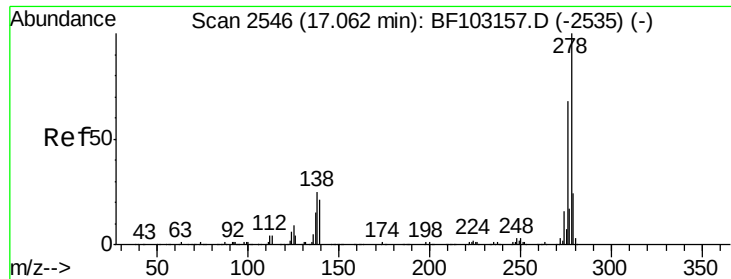
Sohil
3/2/2018 3:30:20 PM



#89
Benzo(a)pyrene
Concen: 35.313 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103329.D
Acq: 1 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 7.281 ng/mL

RT: 17.10 min Scan# 2553

Delta R.T. 0.01 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Instrument :

BNA_F

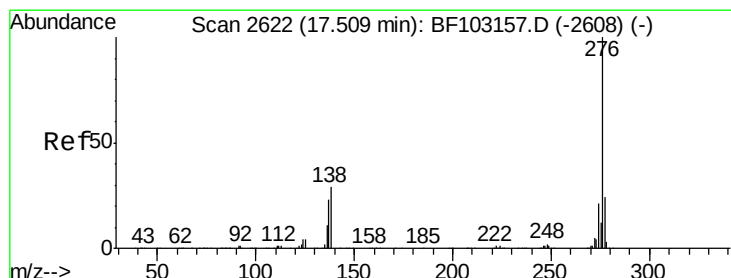
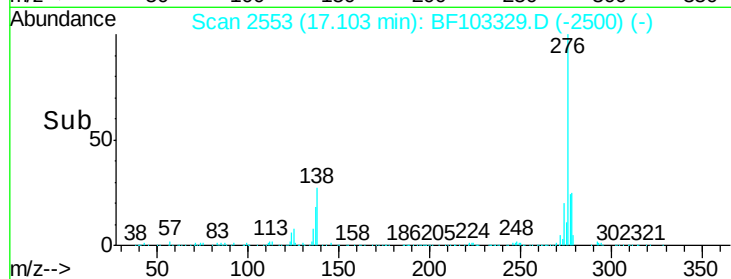
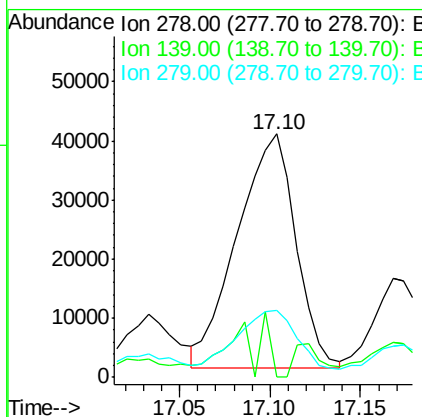
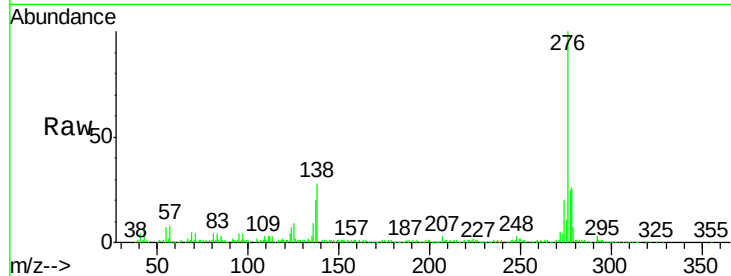
ClientSampled :

DRUM-1-2

Tot Ion:	278	Resp:	89314
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	27.5	19.0	28.4

Manual Integrations
APPROVED

Sohil
3/2/2018 3:30:20 PM



#91

Benzo(g,h,i)perylene

Concen: 25.374 ng/mL

RT: 17.56 min Scan# 2631

Delta R.T. 0.02 min

Lab File: BF103329.D

Acq: 1 Mar 2018 11:55

Tgt Ion:	276	Resp:	304190
Ion Ratio	Lower	Upper	
276	100		
277	23.3	17.9	26.9
138	30.8	21.8	32.8

