

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103402.D
 Acq On : 5 Mar 2018 11:57
 Operator : SJ/JU
 Sample : J1724-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-19

Manual Integrations
 APPROVED

Sohil
 3/6/2018 4:22:38 PM

Quant Time: Mar 05 13:50:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140958	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	590853	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	264900	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	433217	20.00	ng	0.00
75) Chrysene-d12	14.06	240	260173	20.00	ng	0.00
86) Perylene-d12	15.58	264	260578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1004176	107.74	ng	0.00
7) Phenol-d6	6.52	99	1186776	104.06	ng	0.00
23) Nitrobenzene-d5	7.44	82	744917	72.00	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	193005	86.08	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	939333	56.20	ng	0.00
78) Terphenyl-d14	12.99	244	723504	66.85	ng	0.00
Target Compounds						
10) Phenol	6.53	94	32316	2.441	ng	Qvalue # 65
49) Dimethylphthalate	9.62	163	82299	3.873	ng	99
70) Phenanthrene	11.43	178	359786	15.091	ng	99
71) Anthracene	11.48	178	102242	4.182	ng	99
74) Fluoranthene	12.63	202	640313	26.727	ng	99
77) Pyrene	12.86	202	564860	27.847	ng	99
80) Benzo(a)anthracene	14.05	228	274551	16.264	ng	99
82) Chrysene	14.09	228	259449	15.829	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	110858	8.543	ng	97
87) Benzo(b)fluoranthene	15.13	252	322923m	18.848	ng	
88) Benzo(k)fluoranthene	15.16	252	98442m	6.102	ng	
89) Benzo(a)pyrene	15.52	252	212047	13.860	ng	# 92
90) Dibenzo(a,h)anthracene	17.12	278	31632	2.676	ng	# 74
91) Benzo(g,h,i)perylene	17.59	276	102210	8.846	ng	94

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

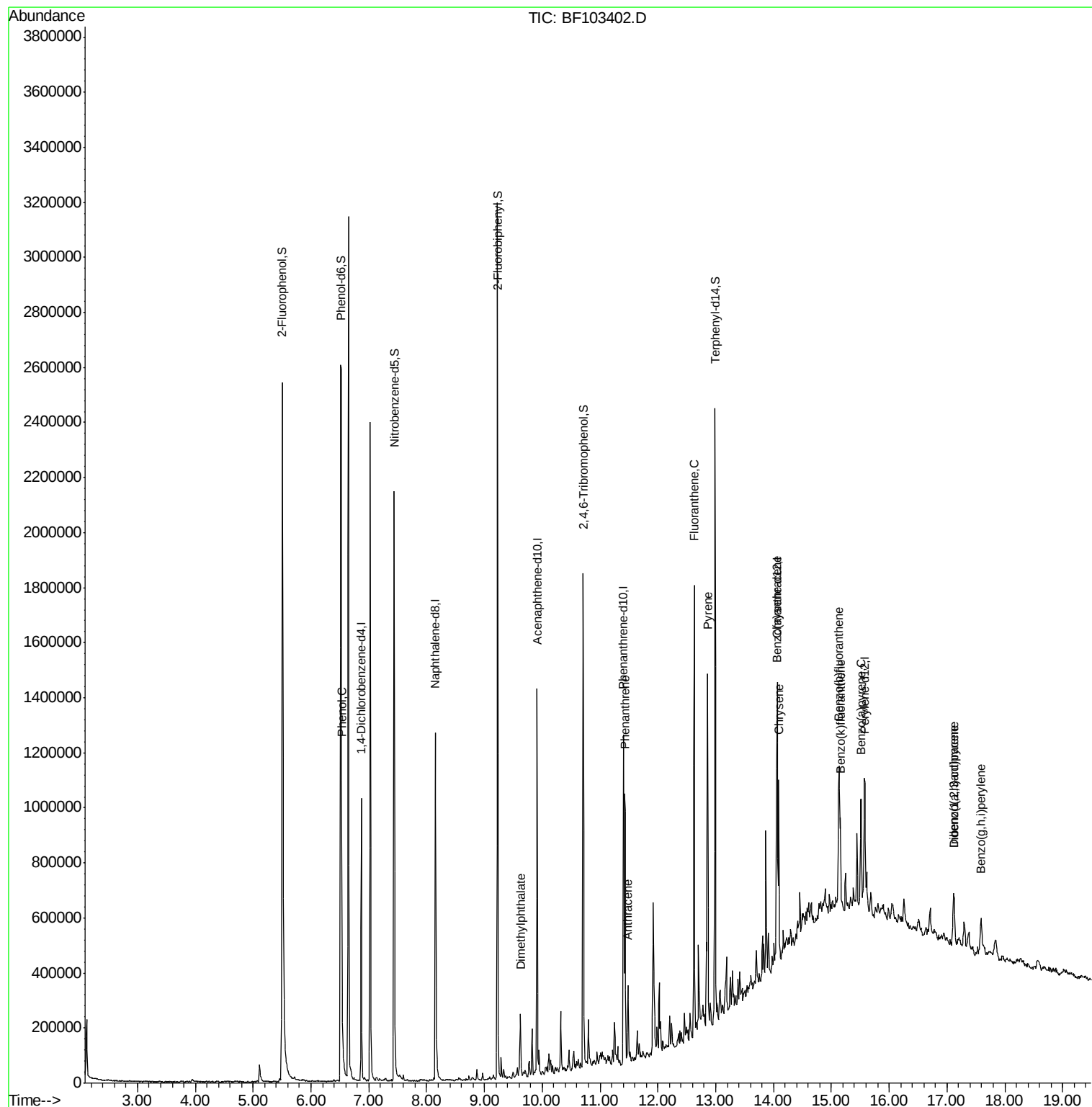
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103402.D
Acq On : 5 Mar 2018 11:57
Operator : SJ/JU
Sample : J1724-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

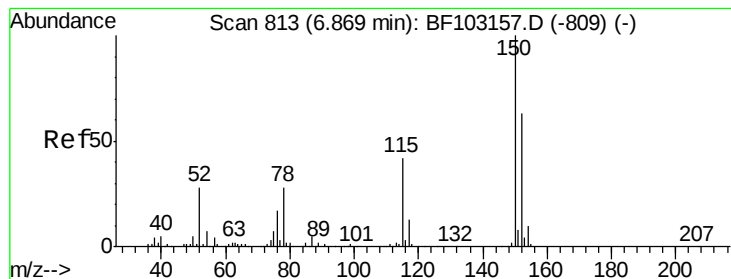
Instrument :
BNA_F
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SP-19

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Quant Time: Mar 05 13:50:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

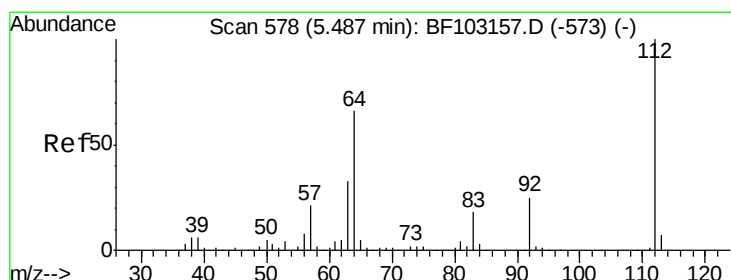
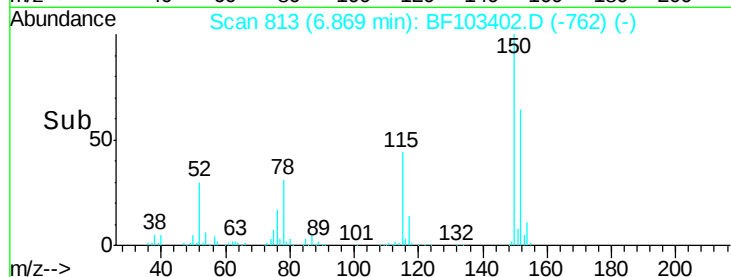
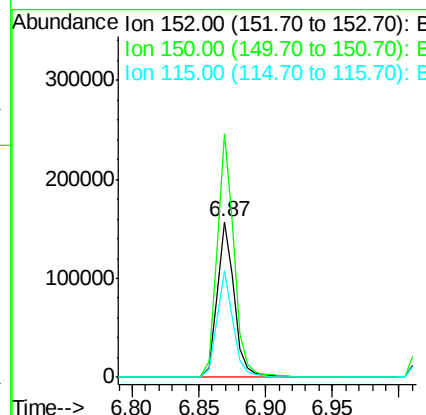
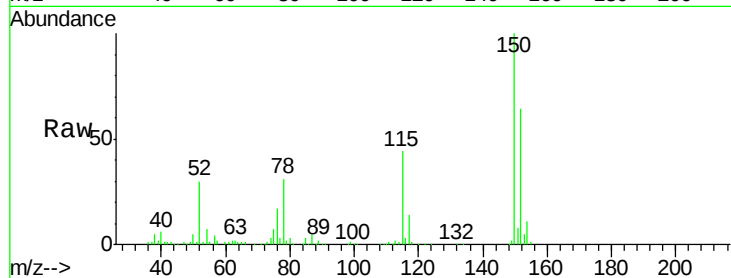
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	68.2	50.1	75.1

Manual Integrations
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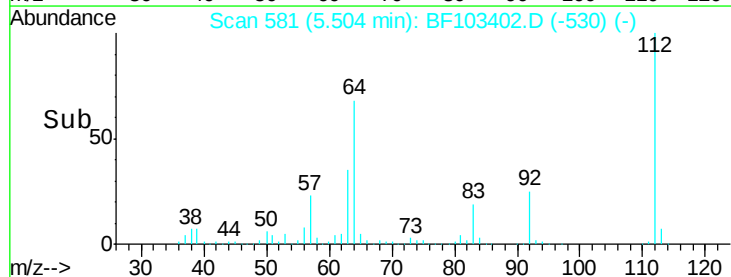
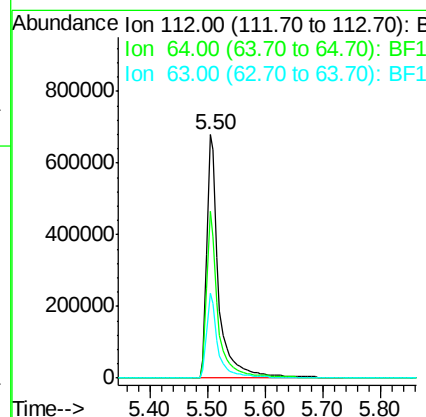
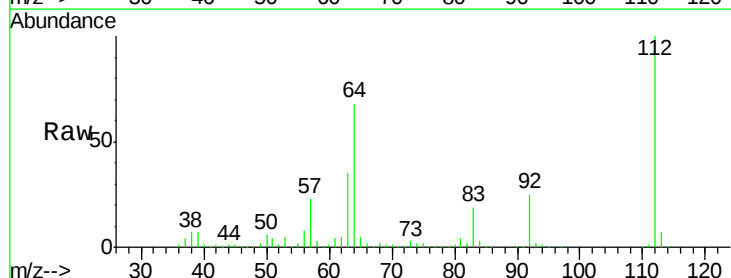
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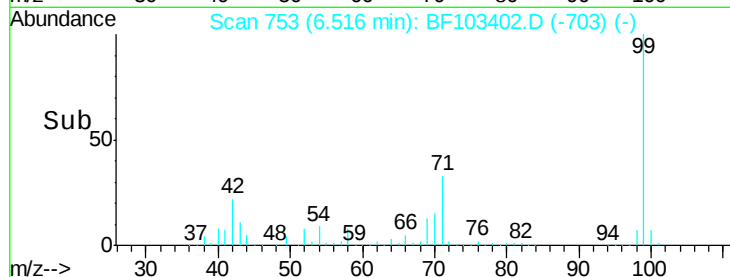
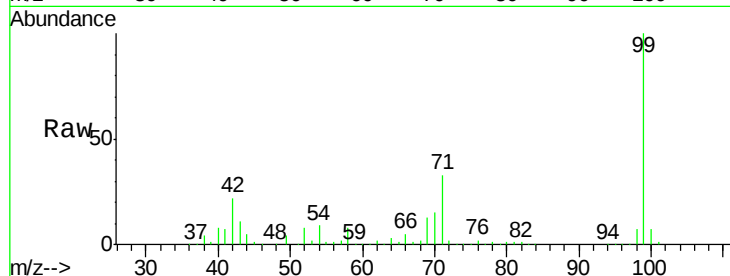
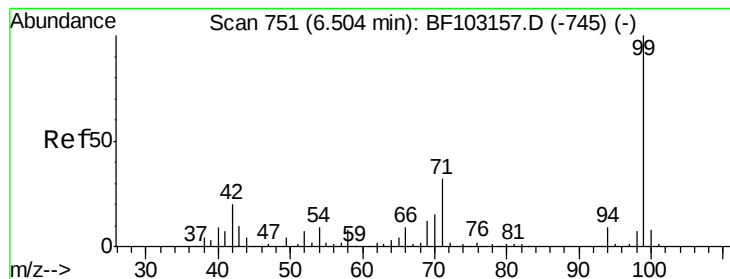


#5

2-Fluorophenol
Concen: 107.744 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	47.9	71.9
63	34.9	23.7	35.5





#7

Phenol-d6

Concen: 104.063 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103402.D

Acq: 5 Mar 2018 11:57

Tot Ion: 99 Resp: 1186776

Ion Ratio Lower Upper

99 100

42 21.9 14.5 21.7#

71 33.4 25.4 38.0

Instrument :

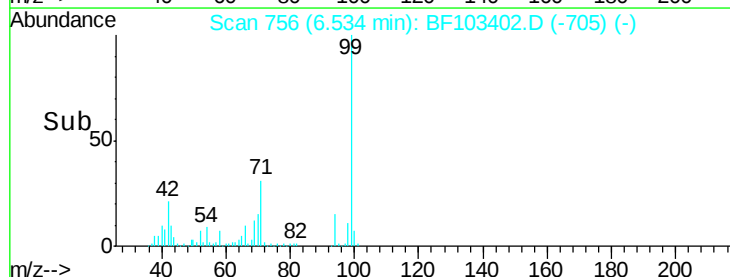
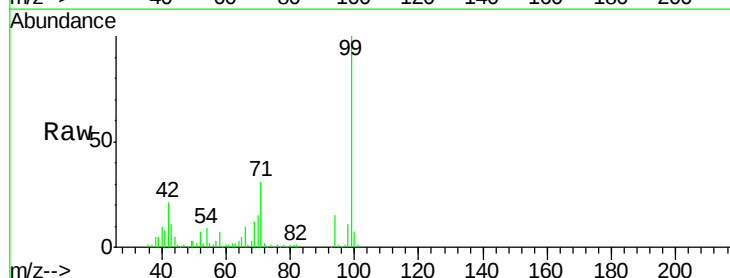
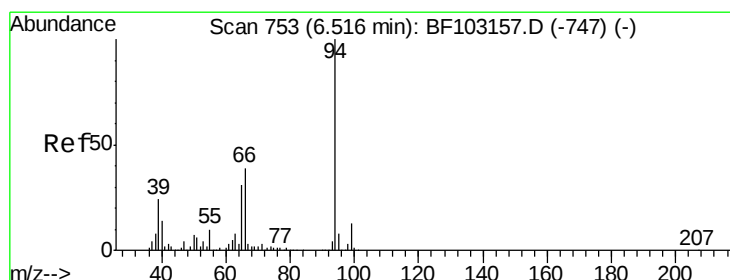
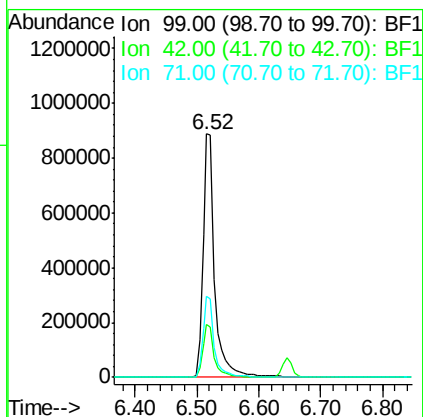
BNA_F

ClientSampled :

SP-19

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#10

Phenol

Concen: 2.441 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF103402.D

Acq: 5 Mar 2018 11:57

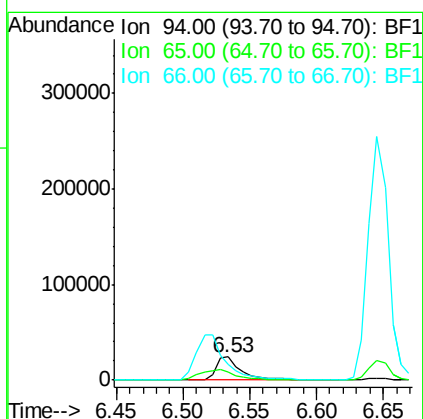
Tgt Ion: 94 Resp: 32316

Ion Ratio Lower Upper

94 100

65 33.6 7.9 47.9

66 68.1 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: BF103402.D

Acq: 5 Mar 2018 11:57

Instrument :

BNA_F

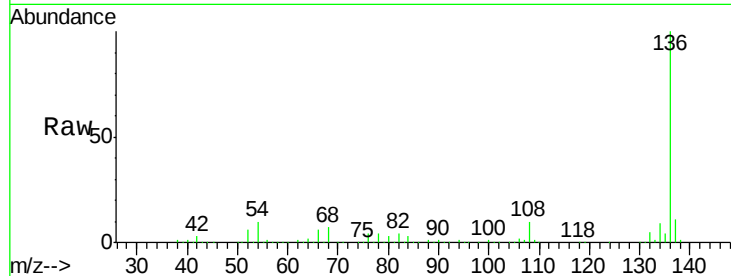
ClientSampled :

SP-19

Tot Ion	Ratio	Resp	Lower	Upper
136	100	590853		
137	11.0		8.9	13.3
54	9.8		6.6	9.8
68	6.9		5.0	7.4

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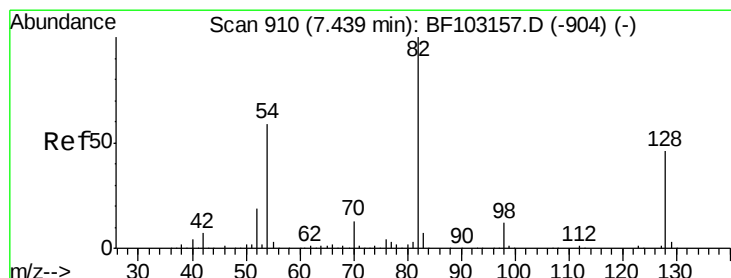
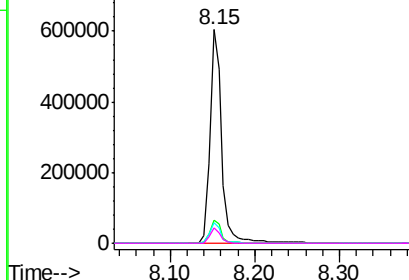
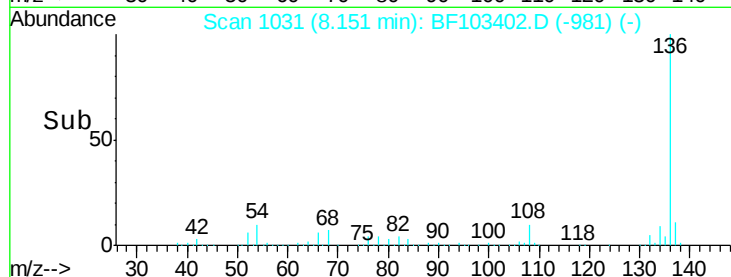


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.999 ng

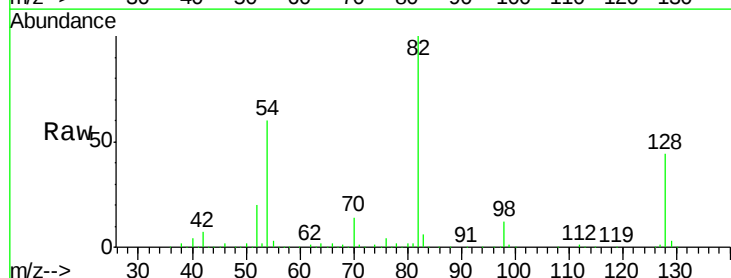
RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF103402.D

Acq: 5 Mar 2018 11:57

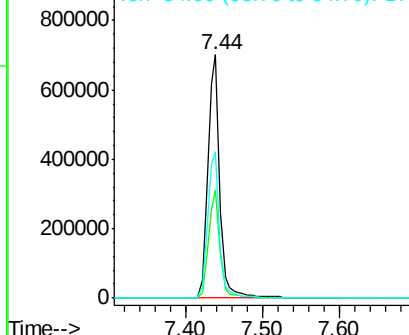
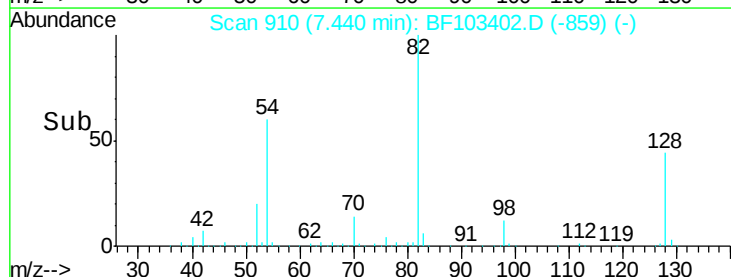
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	744917		
128	44.3		36.1	54.1
54	59.9		41.4	62.2

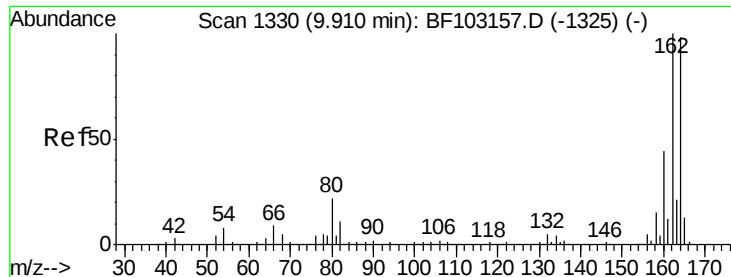


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103402.D

Acq: 5 Mar 2018 11:57

Instrument :

BNA_F

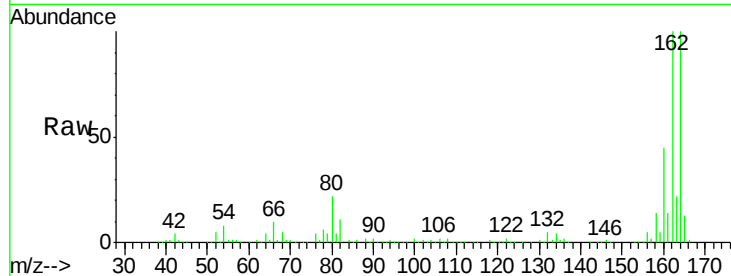
ClientSampled :

SP-19

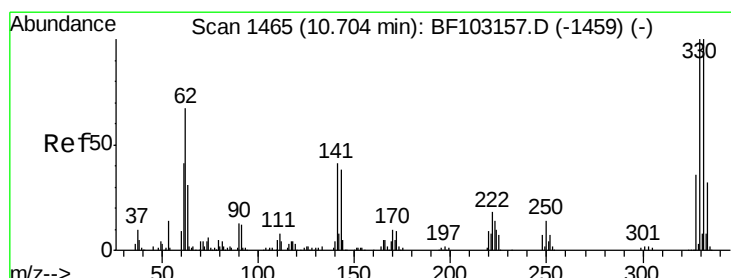
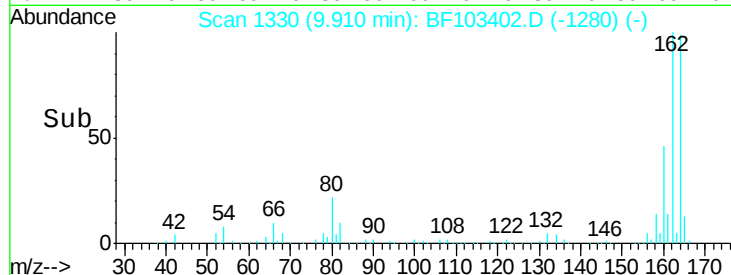
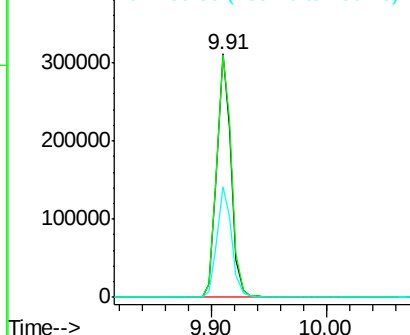
Tot Ion:	164	Resp:	264900
Ion Ratio	Lower	Upper	
164	100		
162	99.5	86.1	129.1
160	45.4	38.3	57.5

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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: 86.077 ng

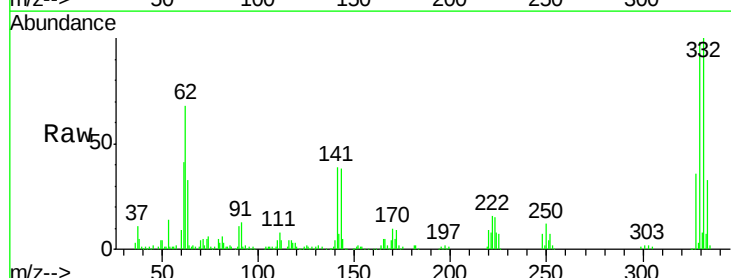
RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

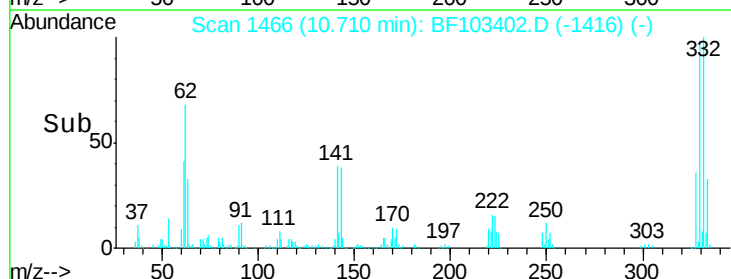
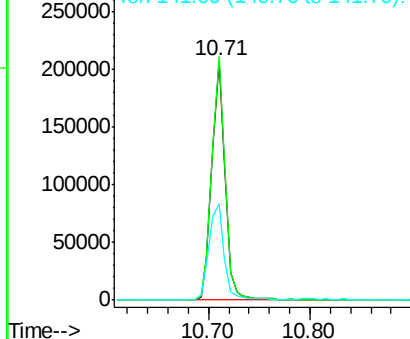
Lab File: BF103402.D

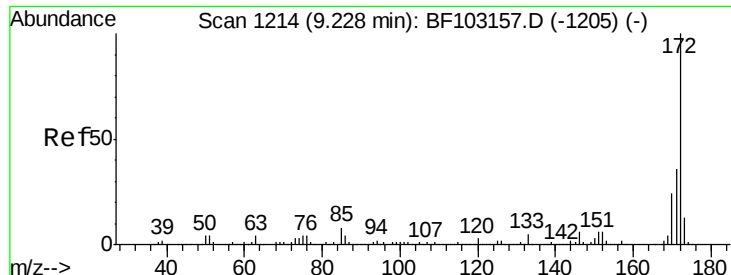
Acq: 5 Mar 2018 11:57

Tgt Ion:	330	Resp:	193005
Ion Ratio	Lower	Upper	
330	100		
332	102.0	77.0	115.6
141	43.9	29.9	44.9



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





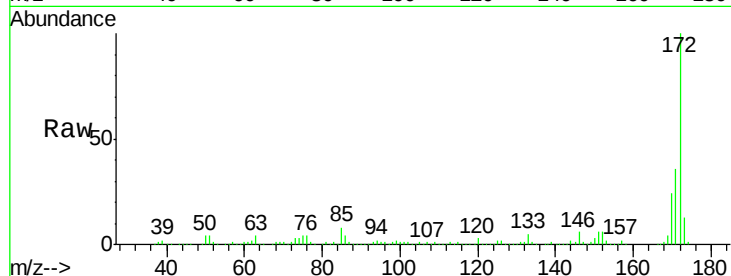
#44
2-Fluorobiphenyl
Concen: 56.196 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampled :
SP-19

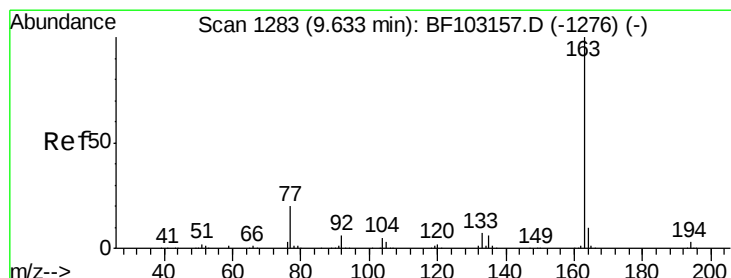
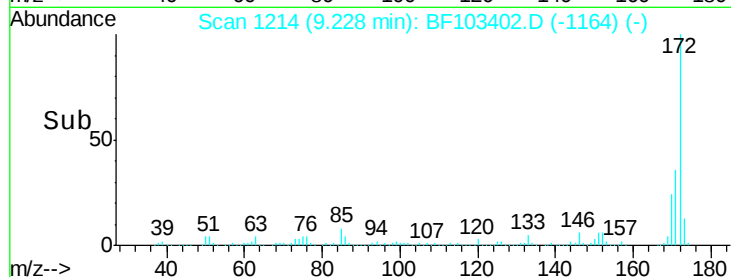
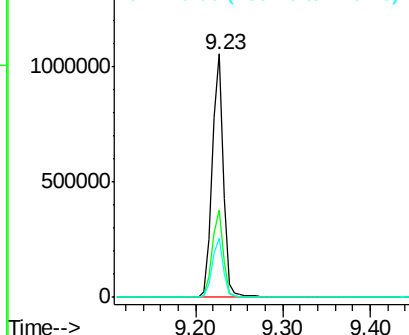
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.4	19.6	29.4

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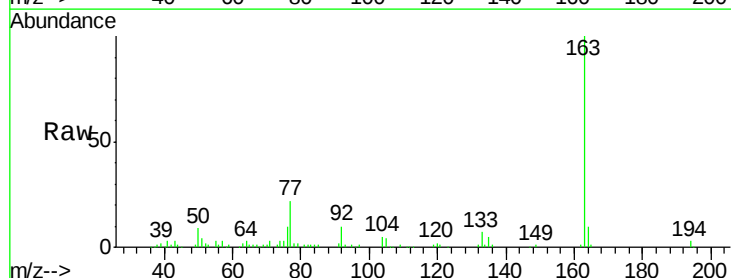


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

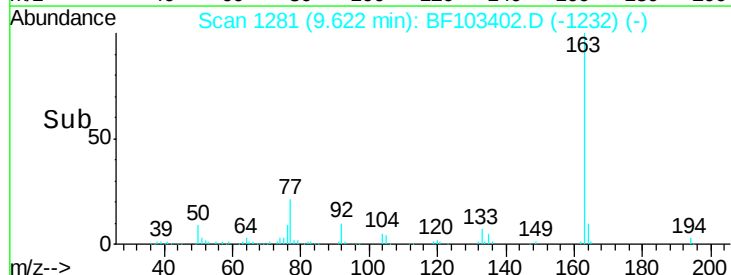
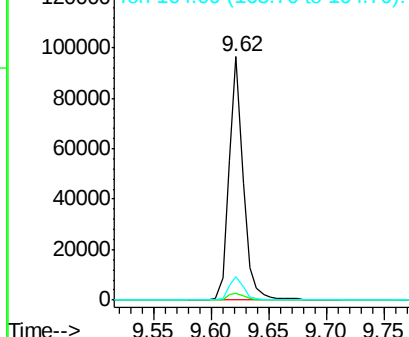


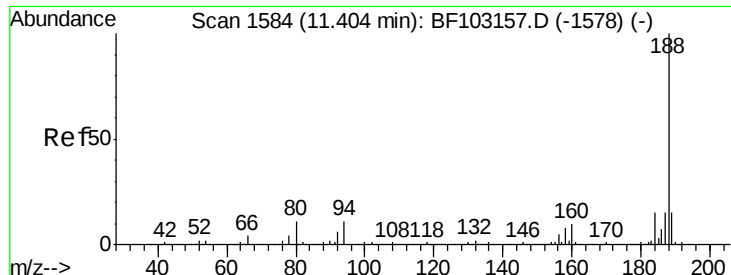
#49
Dimethylphthalate
Concen: 3.873 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	9.8	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





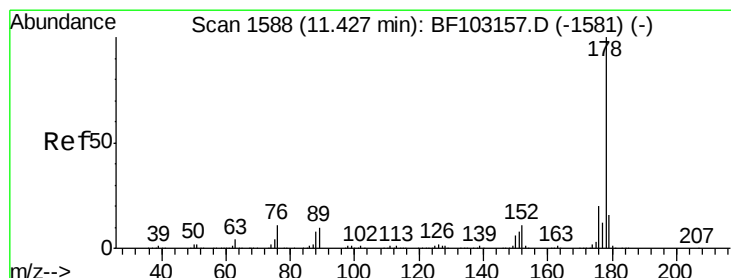
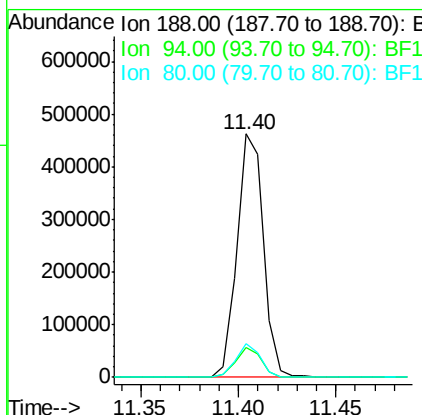
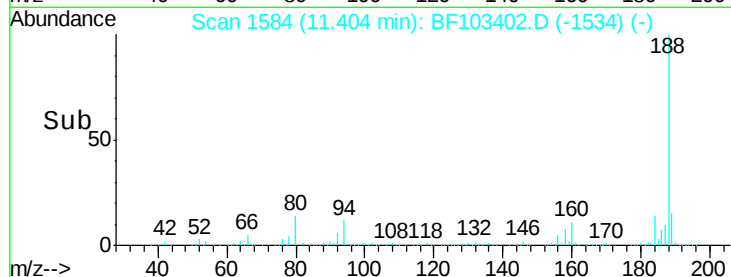
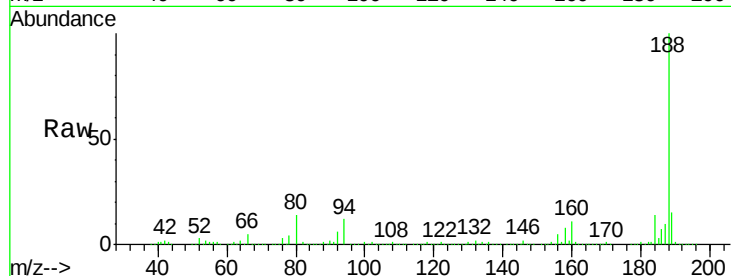
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Resp	Lower	Upper
188	100	433217		
94	12.1		8.5	12.7
80	13.9		9.2	13.8#

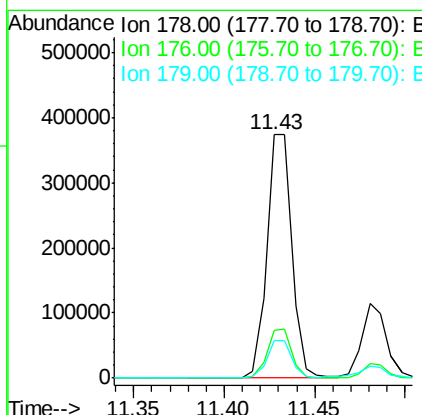
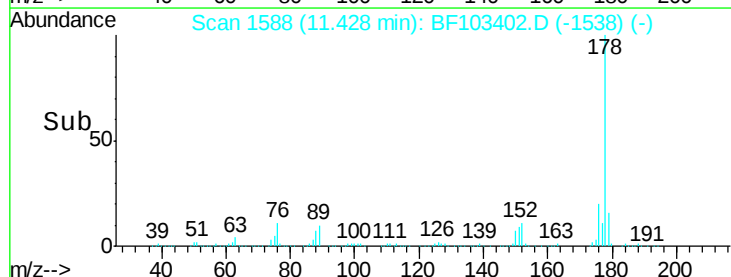
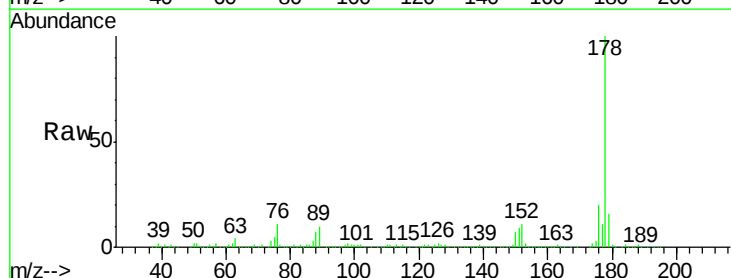
Manual Integrations
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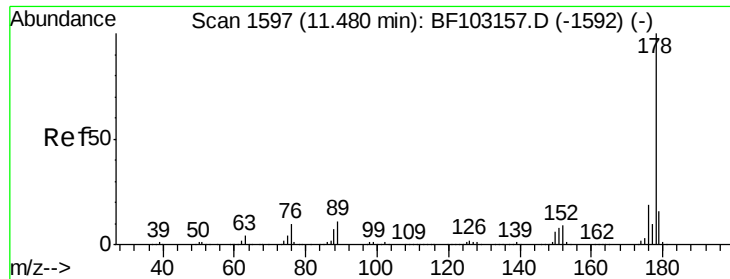
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#70
Phenanthrene
Concen: 15.091 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	359786		
176	19.7		15.8	23.8
179	15.5		13.0	19.6





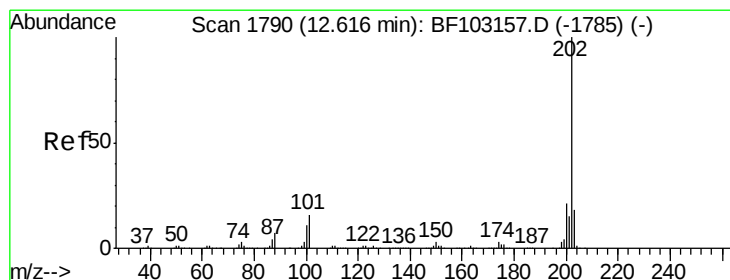
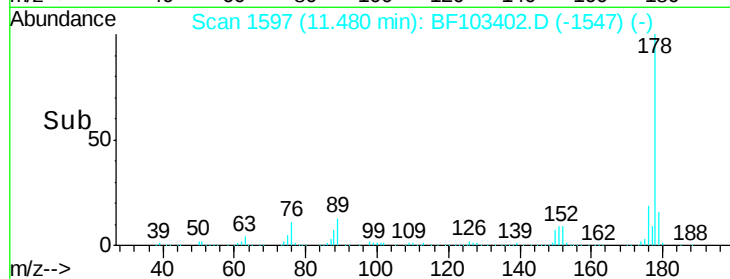
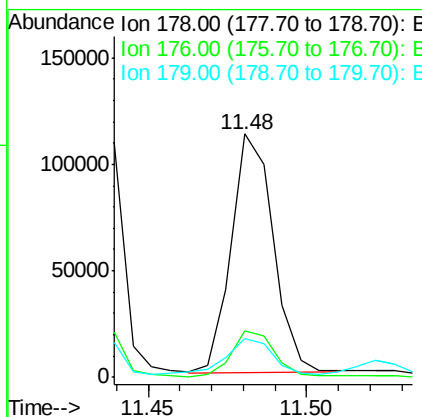
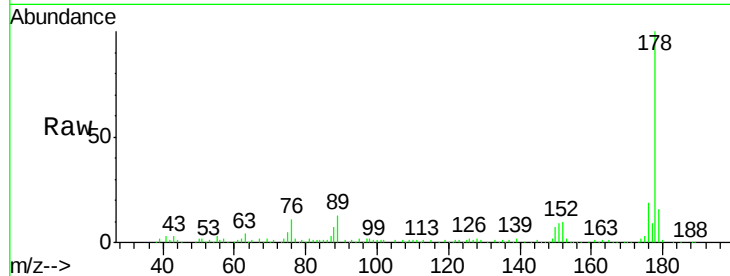
#71
 Anthracene
 Concen: 4.182 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103402.D
 Acq: 5 Mar 2018 11:57

Instrument :
 BNA_F
 ClientSampled :
 SP-19

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.2	12.6	19.0

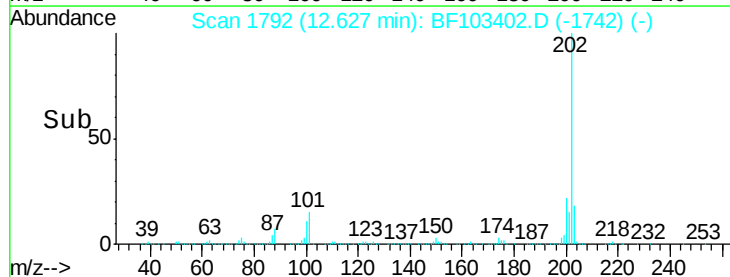
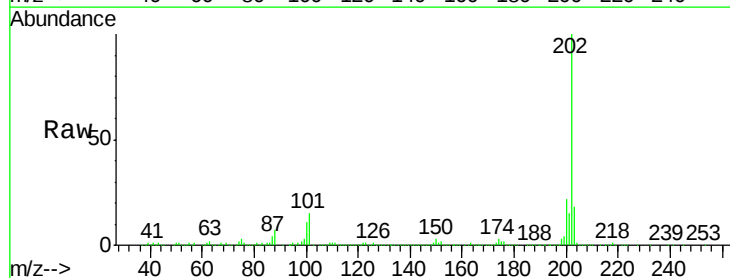
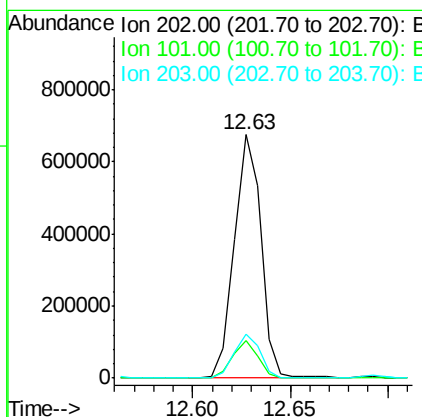
Manual Integrations
 APPROVED

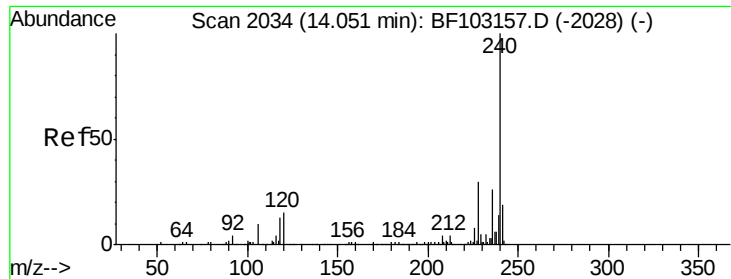
Sohil
 3/6/2018 4:22:38 PM



#74
 Fluoranthene
 Concen: 26.727 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103402.D
 Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103402.D

Acq: 5 Mar 2018 11:57

Instrument :

BNA_F

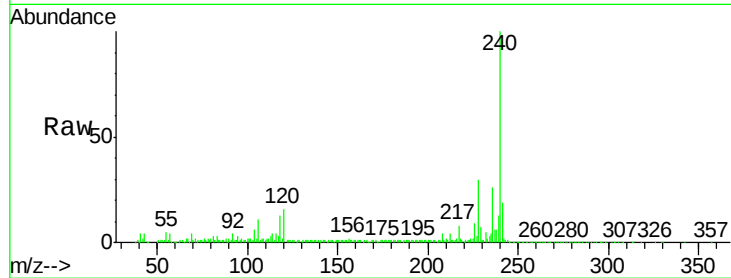
ClientSampled :

SP-19

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.1	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
APPROVED

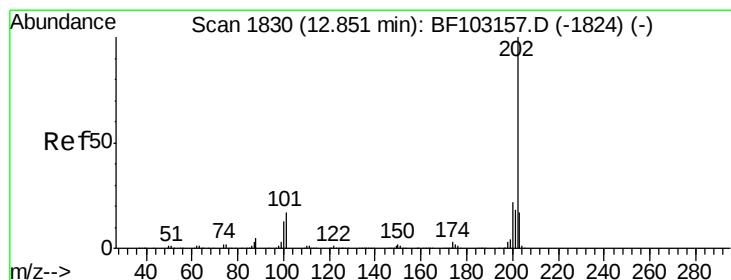
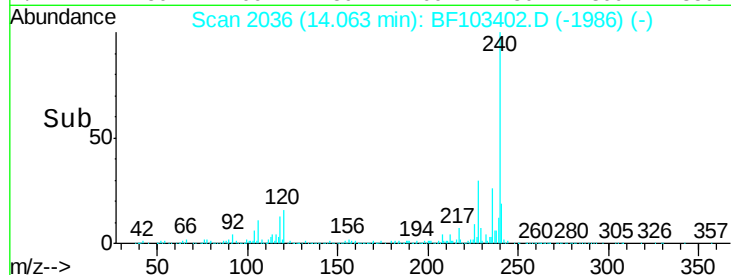
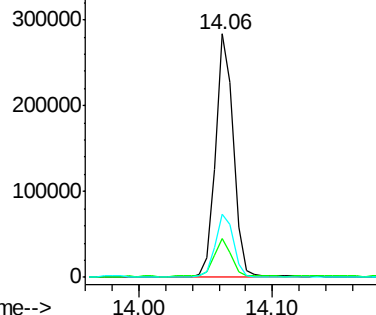
Sohil
3/6/2018 4:22:38 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 27.847 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103402.D

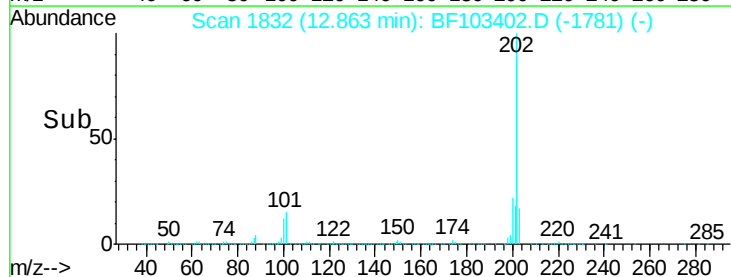
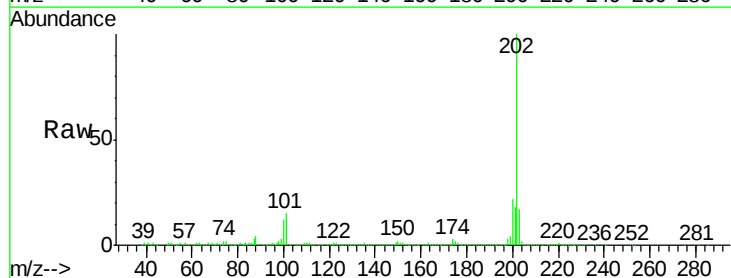
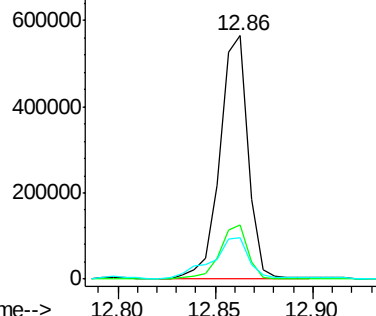
Acq: 5 Mar 2018 11:57

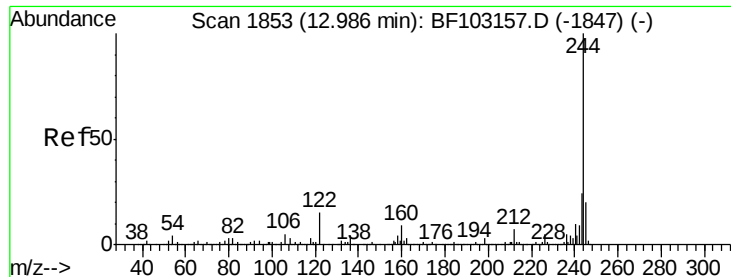
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.1	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





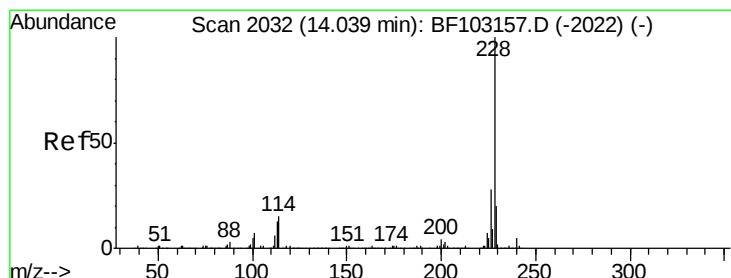
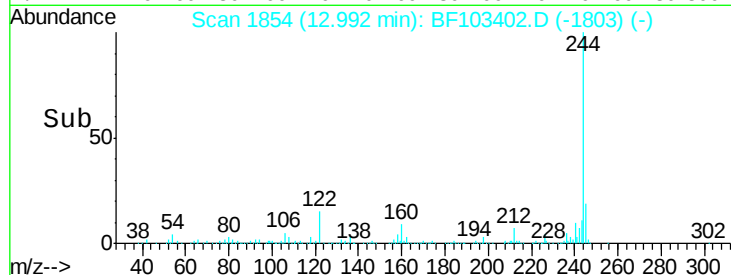
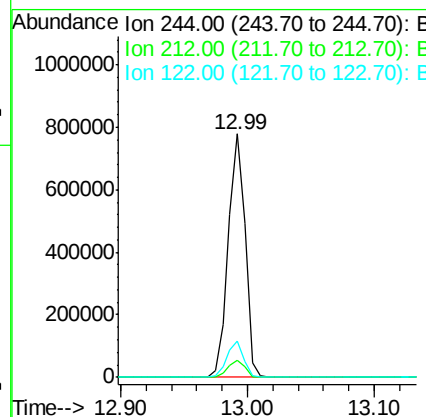
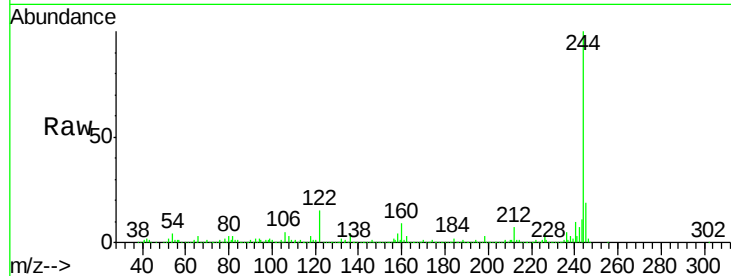
#78
 Terphenyl-d14
 Concen: 66.848 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF103402.D
 Acq: 5 Mar 2018 11:57

Instrument :
 BNA_F
 ClientSampled :
 SP-19

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.8	11.0	16.4

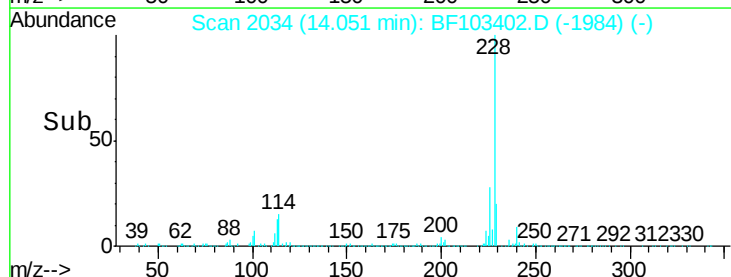
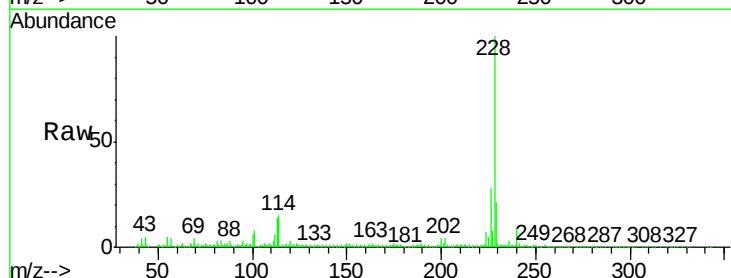
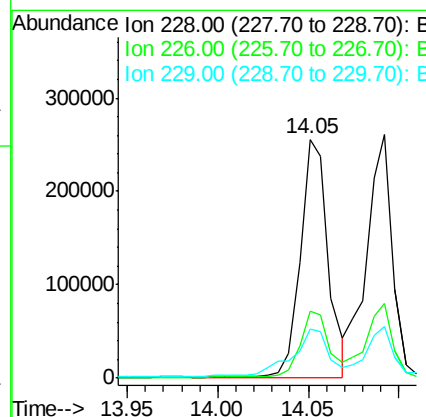
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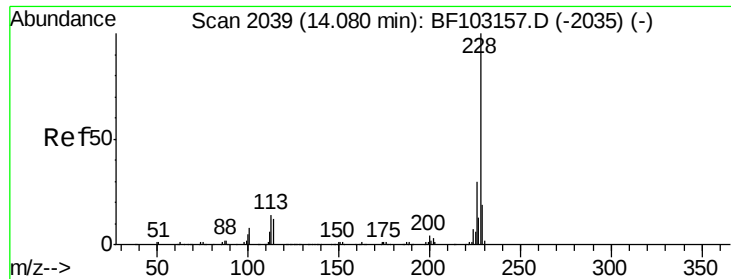
Sohil
 3/6/2018 4:22:38 PM



#80
 Benzo(a)anthracene
 Concen: 16.264 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103402.D
 Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.8	15.8	23.6





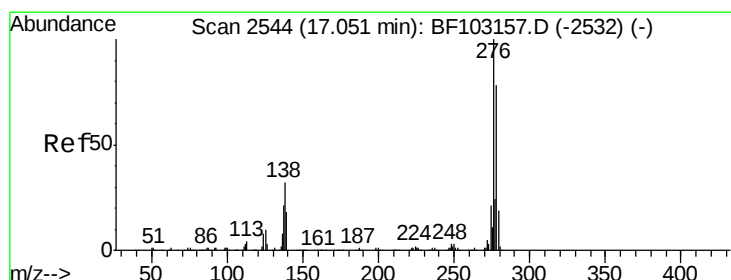
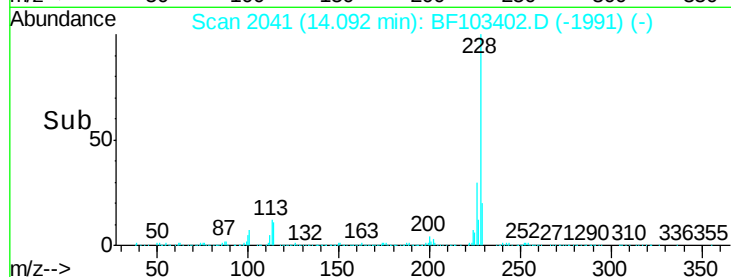
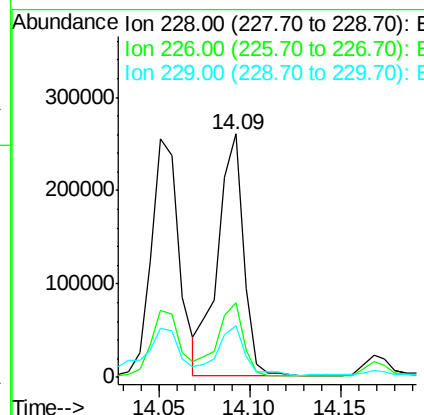
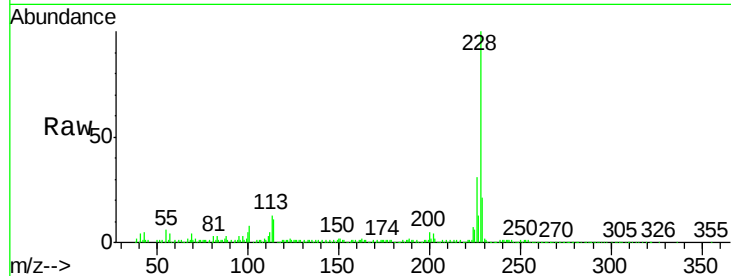
#82
Chrysene
Concen: 15.829 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampleId :
SP-19

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.3	16.2	24.4

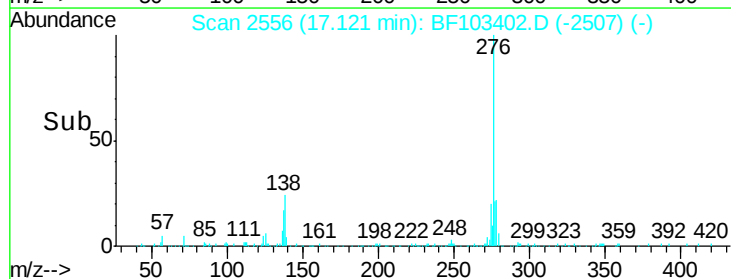
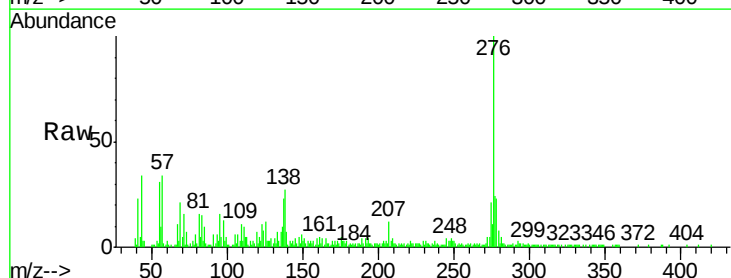
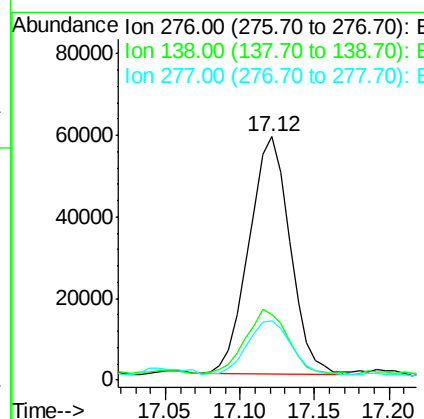
Manual Integrations
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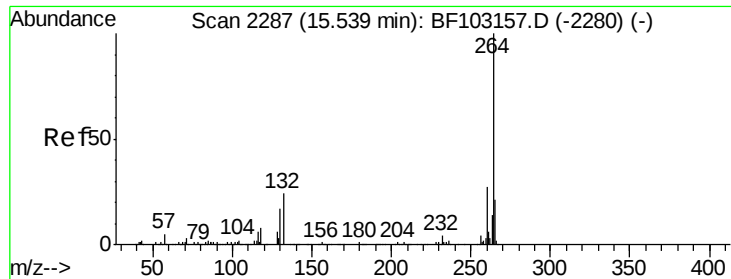
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.543 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	25.4	20.1	30.1





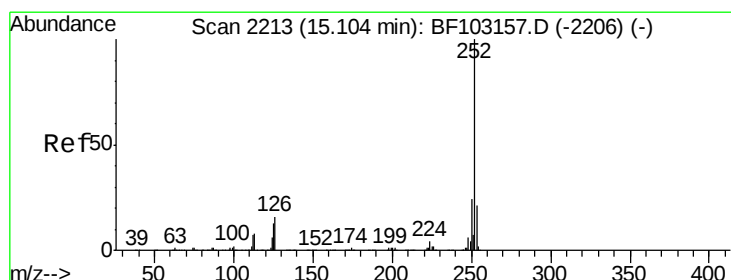
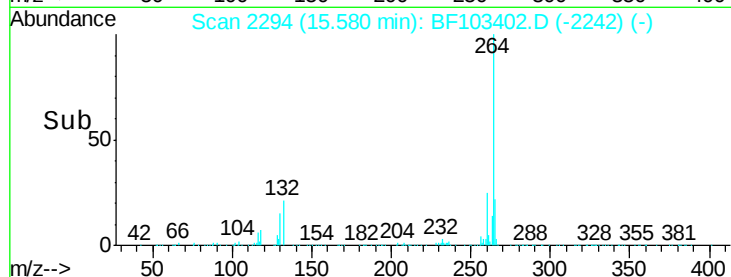
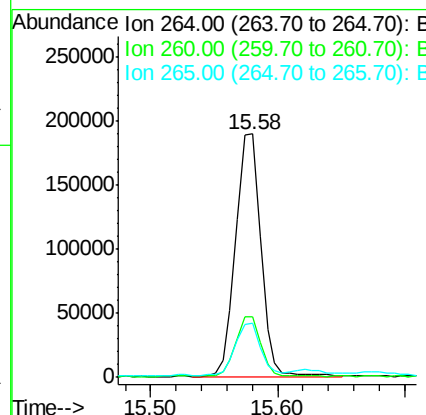
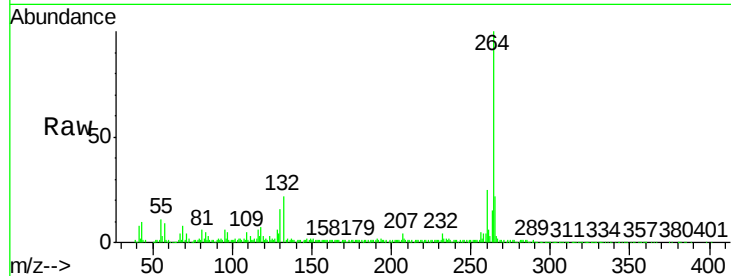
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.3	17.5	26.3

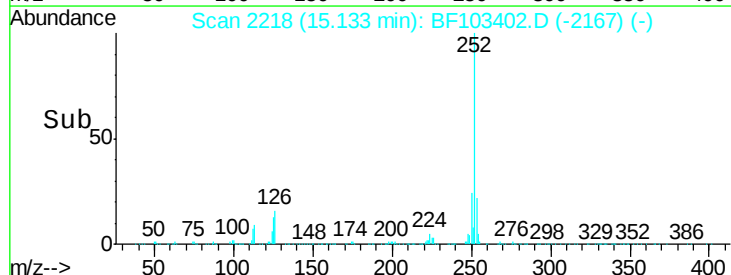
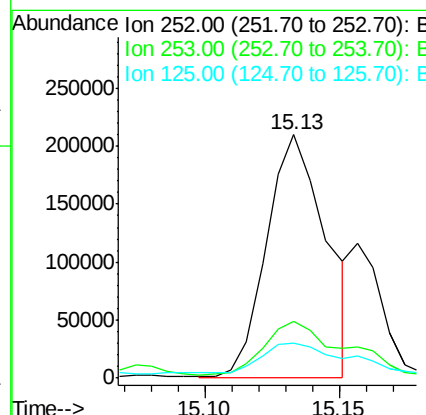
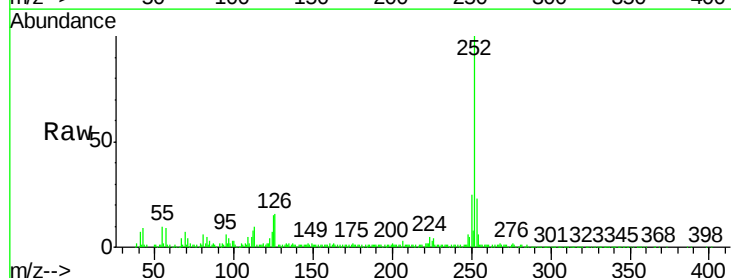
Manual Integrations
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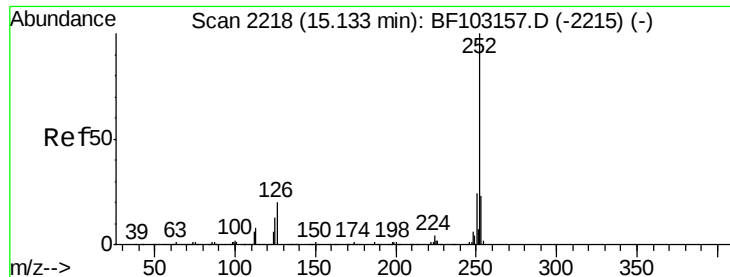
Sohil
3/6/2018 4:22:38 PM



#87
Benzo(b)fluoranthene
Concen: 18.848 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	14.6	9.0	13.6





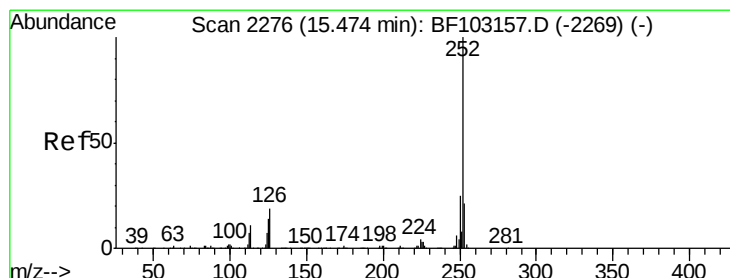
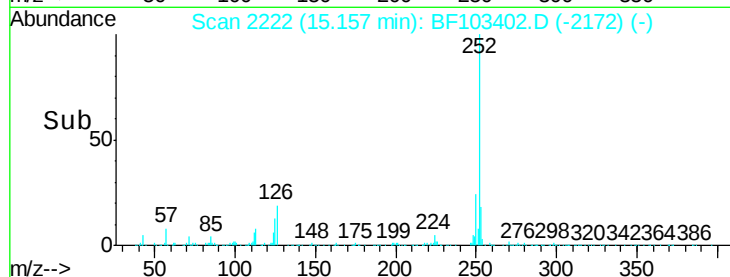
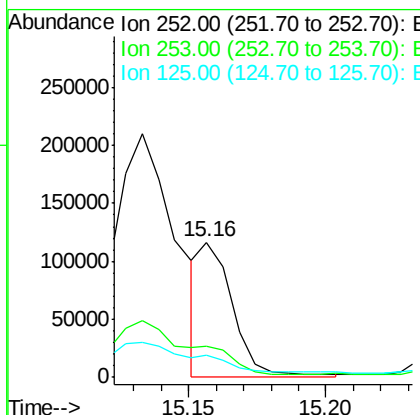
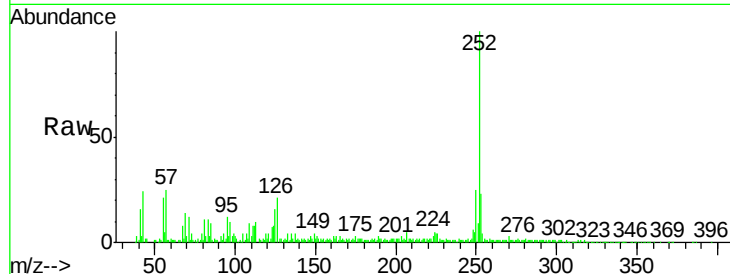
#88
Benzo(k)fluoranthene
Concen: 6.102 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	16.2	10.2	15.2

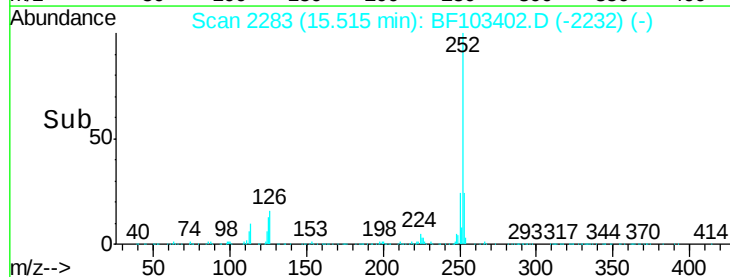
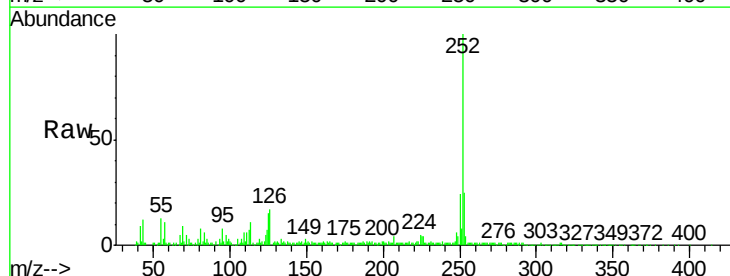
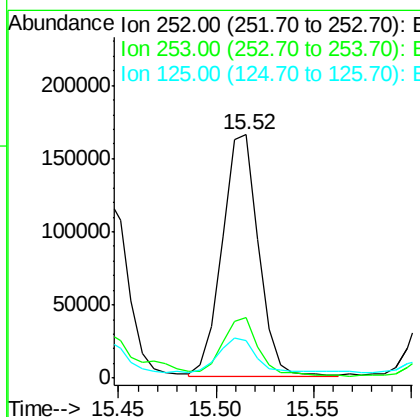
Manual Integrations
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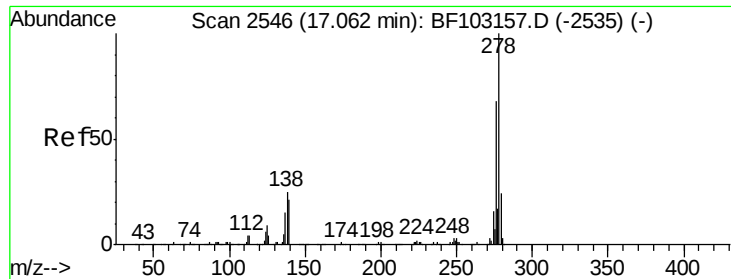
Sohil
3/6/2018 4:22:38 PM



#89
Benzo(a)pyrene
Concen: 13.860 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	15.4	9.8	14.6





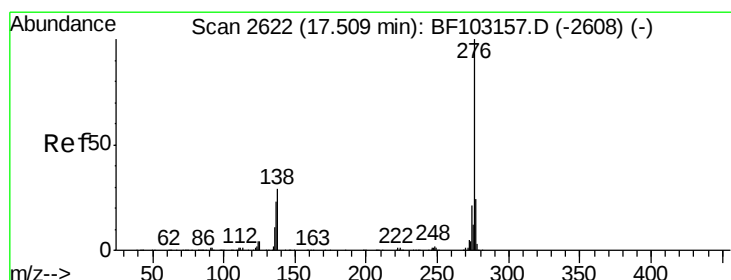
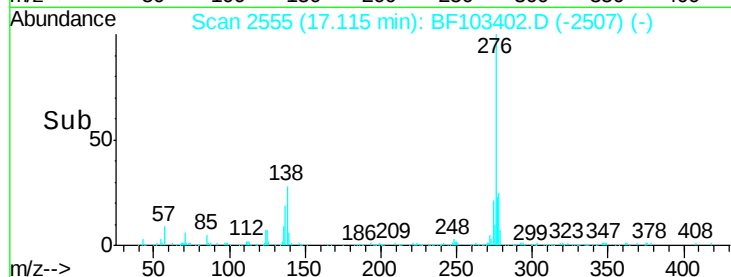
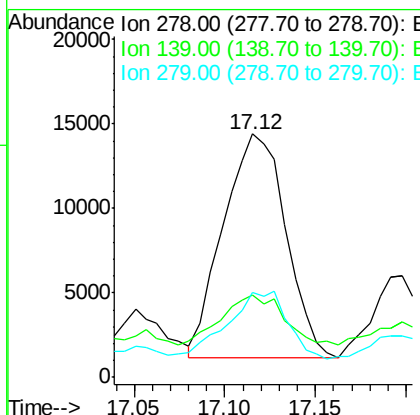
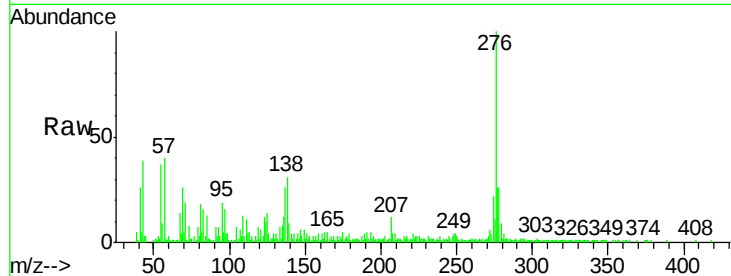
#90
Dibenzo(a,h)anthracene
Concen: 2.676 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Instrument :
BNA_F
ClientSampleId :
SP-19

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.0	15.9	23.9#
279	34.7	19.0	28.4#

Manual Integrations
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Sohil
3/6/2018 4:22:38 PM



#91
Benzo(g,h,i)perylene
Concen: 8.846 ng
RT: 17.59 min Scan# 2636
Delta R.T. 0.00 min
Lab File: BF103402.D
Acq: 5 Mar 2018 11:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	30.3	21.8	32.8

