

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103403.D
 Acq On : 5 Mar 2018 12:24
 Operator : SJ/JU
 Sample : J1724-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-25

Manual Integrations
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Sohil
 3/6/2018 4:22:41 PM

Quant Time: Mar 05 13:53:26 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	142191	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	592203	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	239395	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	374999	20.00	ng	0.00
75) Chrysene-d12	14.06	240	248217	20.00	ng	0.00
86) Perylene-d12	15.58	264	221706	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	994602	105.79	ng	0.00
7) Phenol-d6	6.52	99	1187537	103.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	745460	71.89	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	178555	88.12	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	995649	68.34	ng	0.00
78) Terphenyl-d14	12.99	244	700967	67.89	ng	0.00
Target Compounds						
10) Phenol	6.53	94	30473	2.282	ng	Qvalue # 59
49) Dimethylphthalate	9.62	163	73304	3.817	ng	99
70) Phenanthrene	11.43	178	212538	10.299	ng	99
71) Anthracene	11.48	178	63206	2.987	ng	98
74) Fluoranthene	12.63	202	390320	18.821	ng	99
77) Pyrene	12.86	202	391250	20.217	ng	99
80) Benzo(a)anthracene	14.05	228	188119	11.681	ng	98
82) Chrysene	14.09	228	182825	11.691	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	71430	5.770	ng	95
87) Benzo(b)fluoranthene	15.13	252	214790m	14.735	ng	
88) Benzo(k)fluoranthene	15.16	252	63105m	4.597	ng	
89) Benzo(a)pyrene	15.52	252	141226	10.849	ng	# 92
90) Dibenzo(a,h)anthracene	17.12	278	20903	2.078	ng	# 55
91) Benzo(g,h,i)perylene	17.59	276	72548	7.380	ng	# 91

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

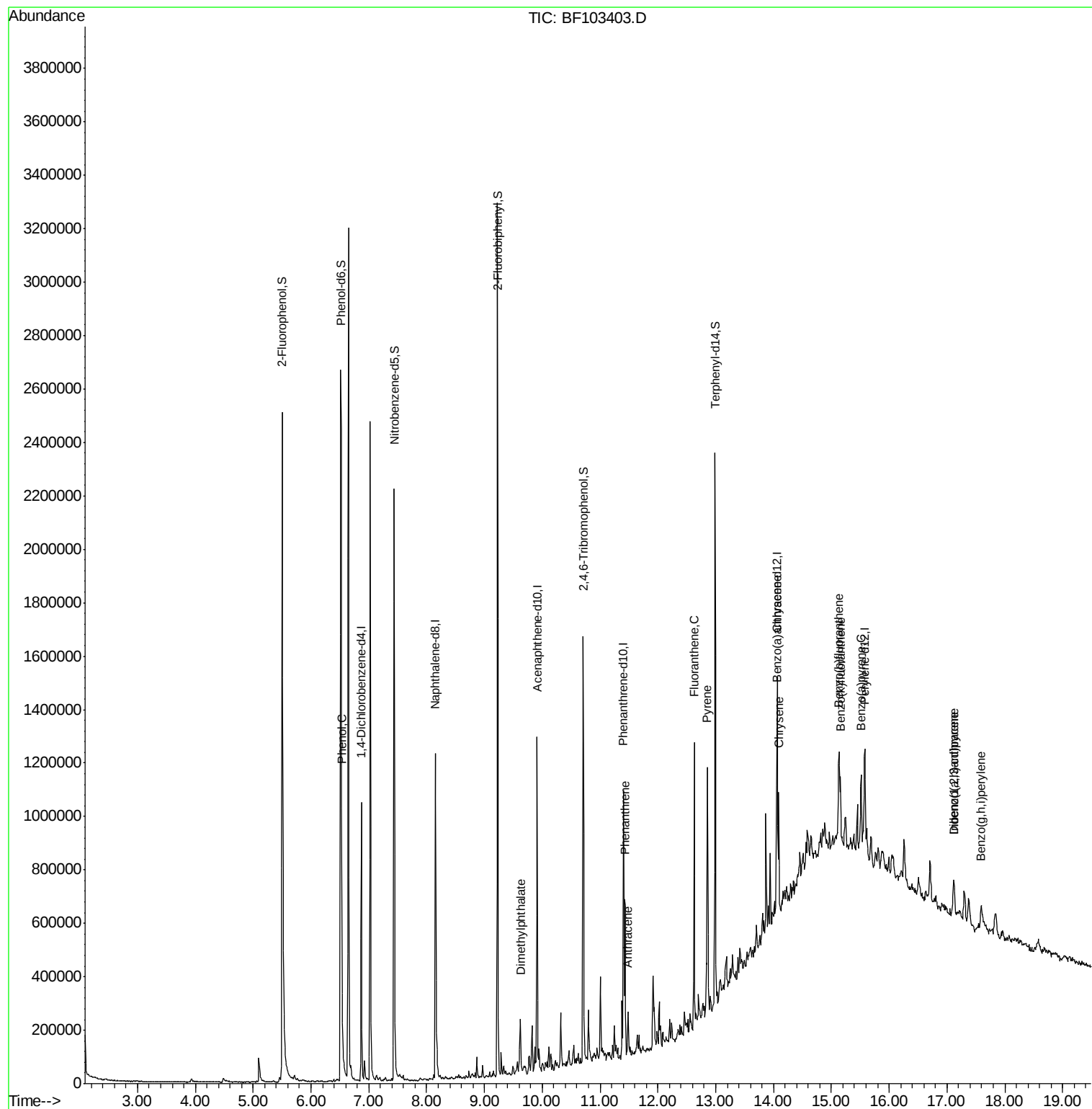
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103403.D
Acq On : 5 Mar 2018 12:24
Operator : SJ/JU
Sample : J1724-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
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SP-25

Manual Integrations
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Quant Time: Mar 05 13:53:26 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

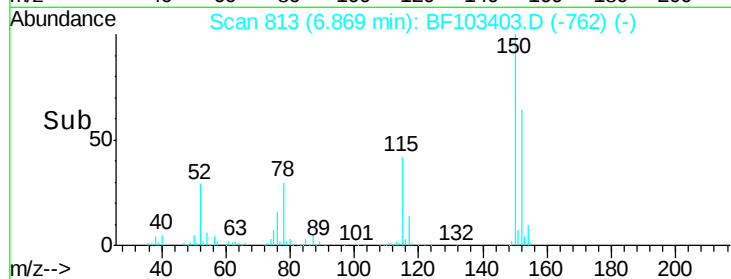
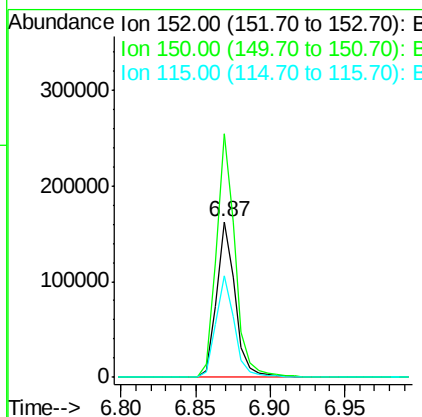
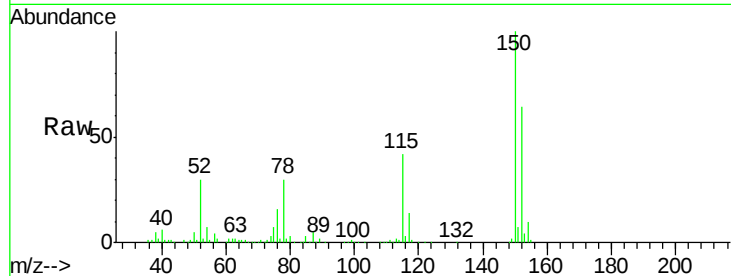
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampled :
SP-25

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	65.4	50.1	75.1

Manual Integrations
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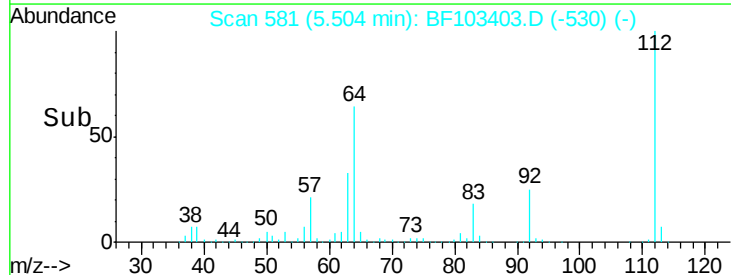
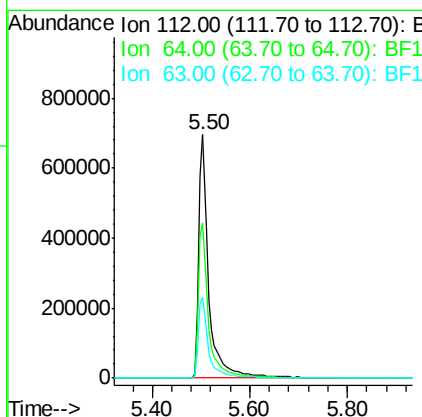
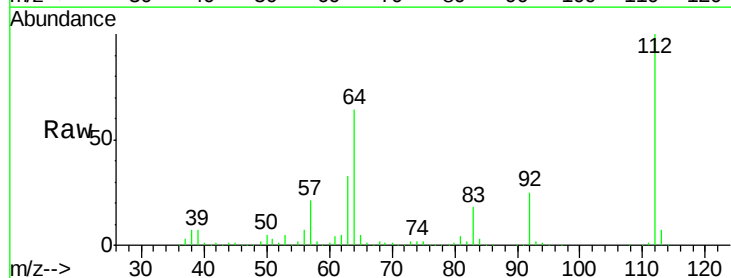
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#5

2-Fluorophenol
Concen: 105.792 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	47.9	71.9
63	33.4	23.7	35.5





#7

Phenol-d6

Concen: 103.227 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103403.D

Acq: 5 Mar 2018 12:24

Instrument :

BNA_F

ClientSampleId :

SP-25

Tot Ion: 99 Resp: 1187537

Ion Ratio Lower Upper

99 100

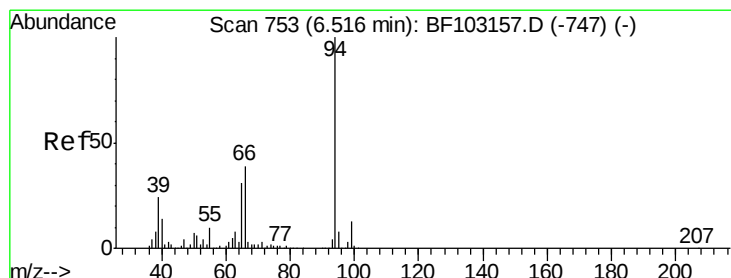
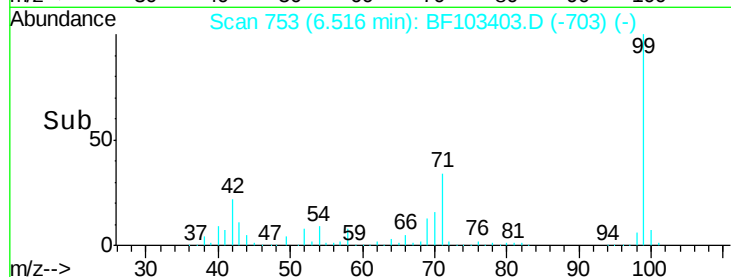
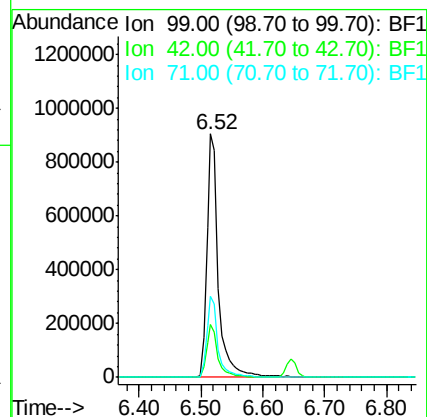
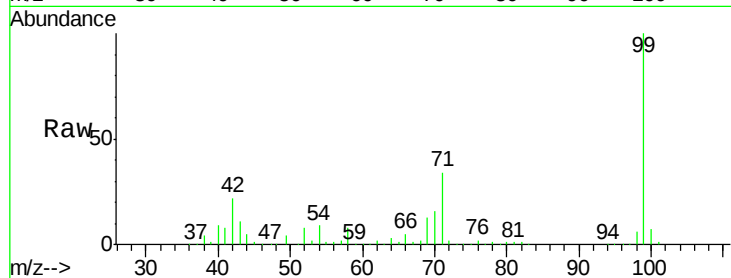
42 21.8 14.5 21.7#

71 33.5 25.4 38.0

Manual Integrations
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#10

Phenol

Concen: 2.282 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF103403.D

Acq: 5 Mar 2018 12:24

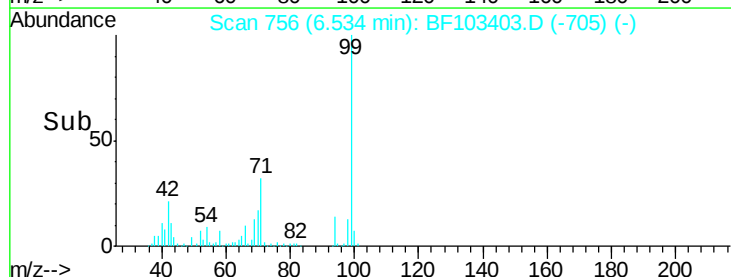
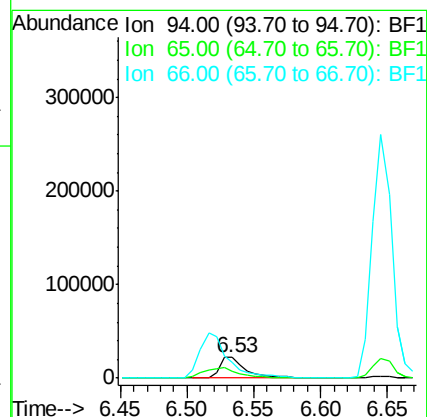
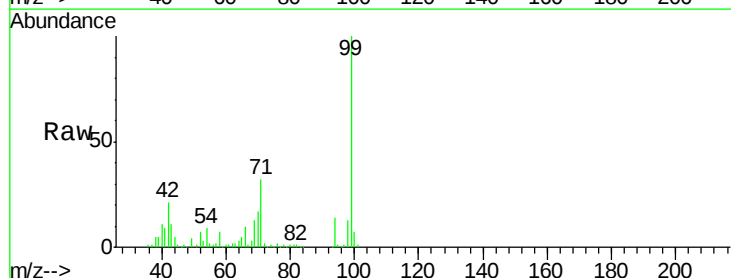
Tgt Ion: 94 Resp: 30473

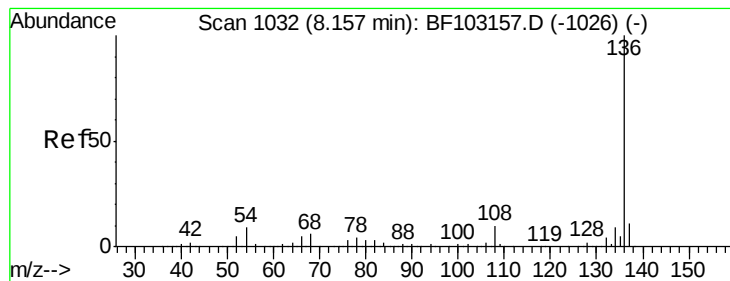
Ion Ratio Lower Upper

94 100

65 35.2 7.9 47.9

66 72.7 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: BF103403.D

Acq: 5 Mar 2018 12:24

Instrument :

BNA_F

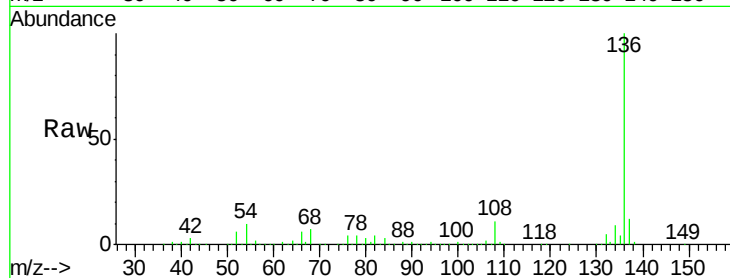
ClientSampleId :

SP-25

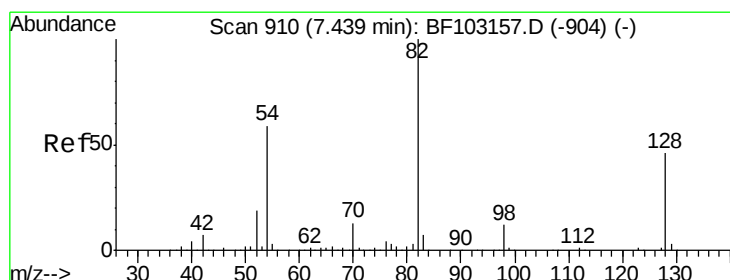
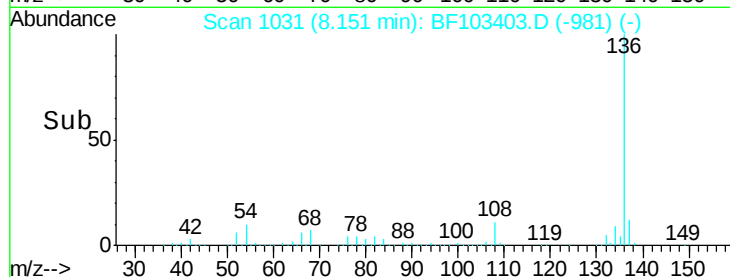
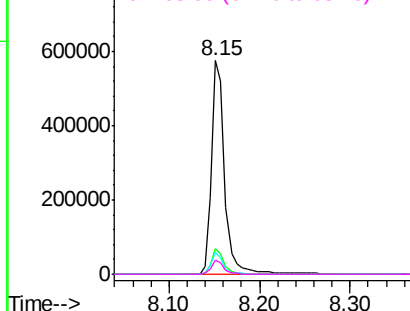
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	10.0	6.6	9.8
68	6.7	5.0	7.4

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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: 71.888 ng

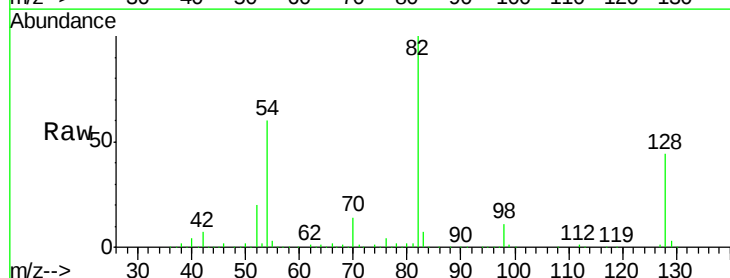
RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

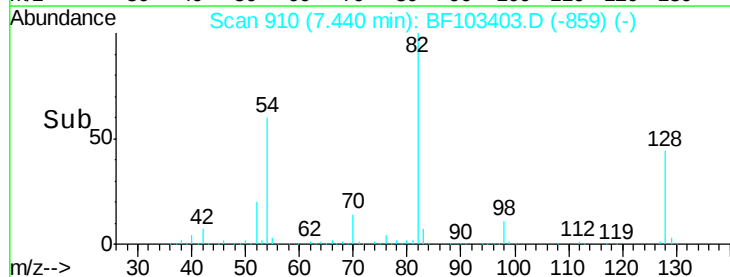
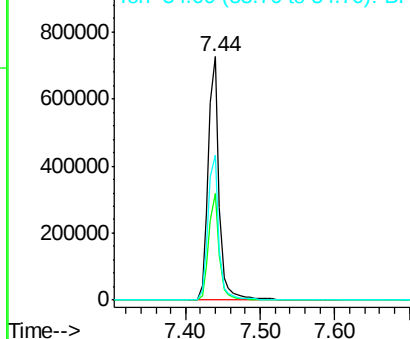
Lab File: BF103403.D

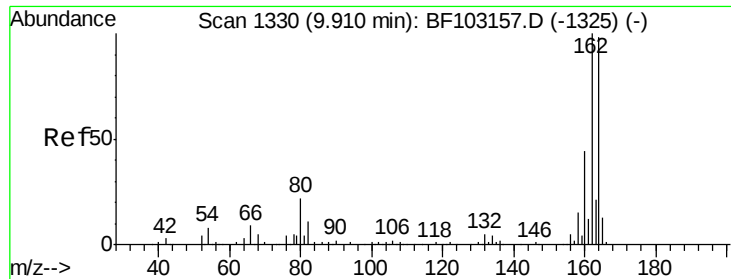
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	59.8	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





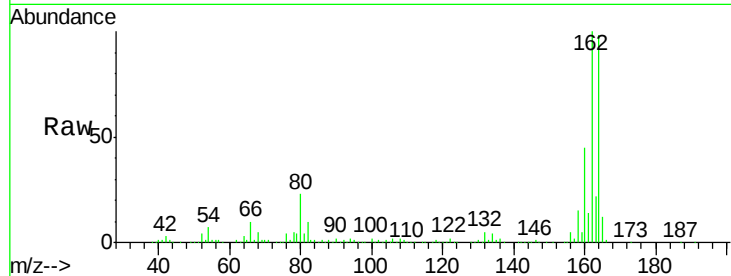
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampleId :
SP-25

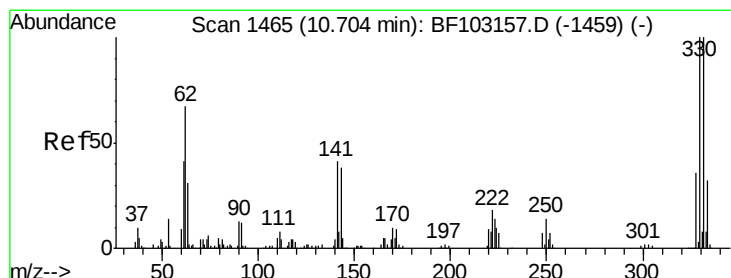
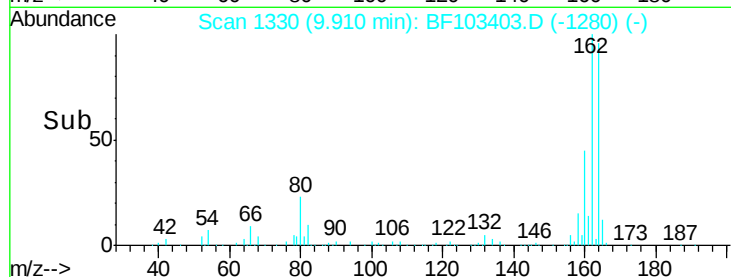
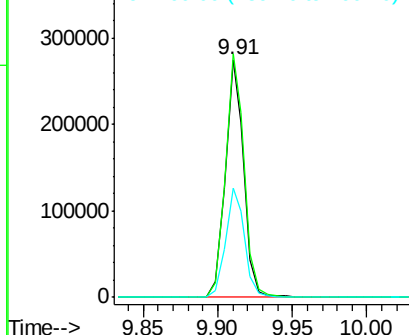
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	86.1	129.1	
160	45.8	38.3	57.5	

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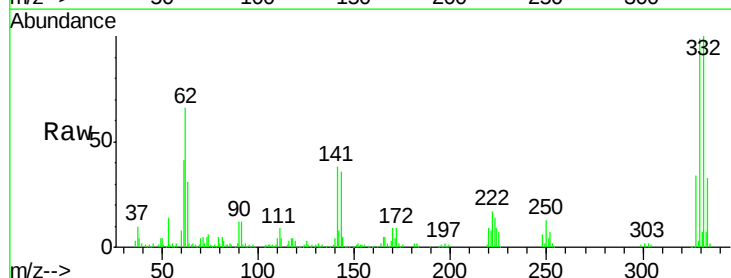


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

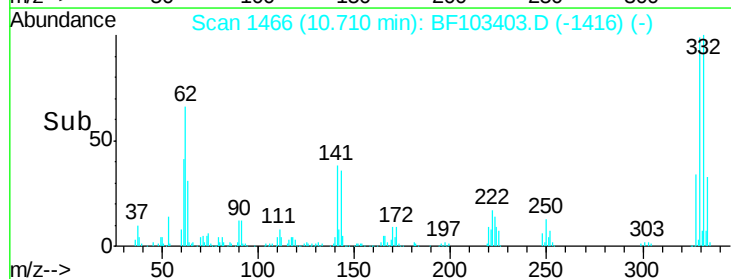
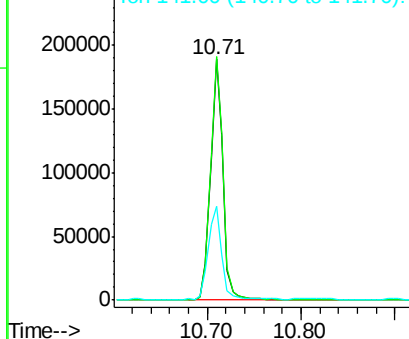


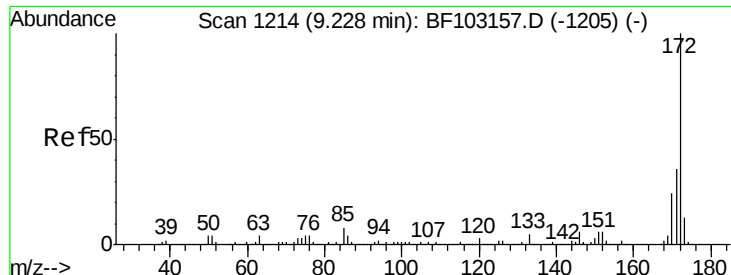
#41
2,4,6-Tribromophenol
Concen: 88.117 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.2	77.0	115.6	
141	42.1	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





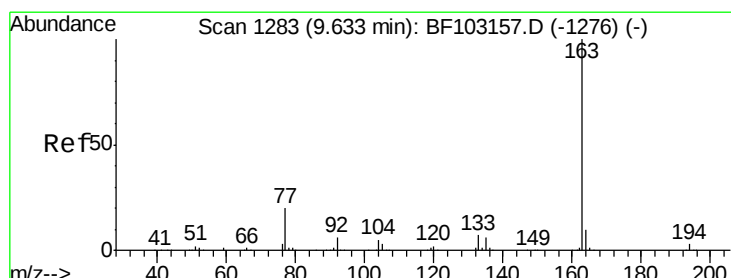
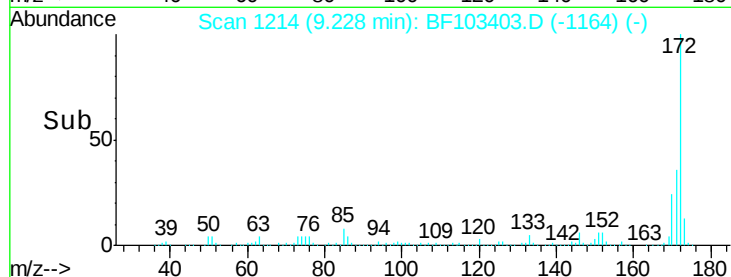
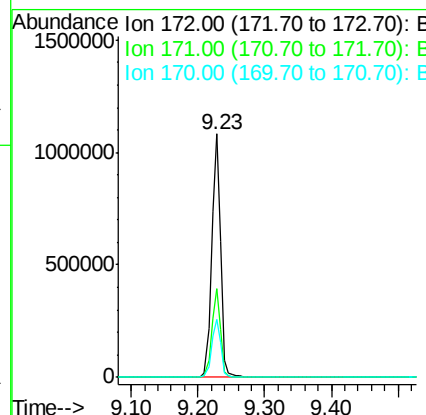
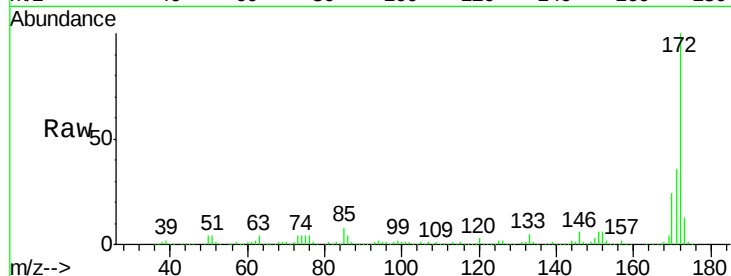
#44
2-Fluorobiphenyl
Concen: 68.336 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampled :
SP-25

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4

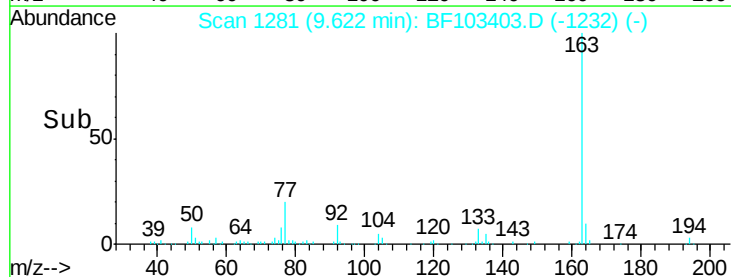
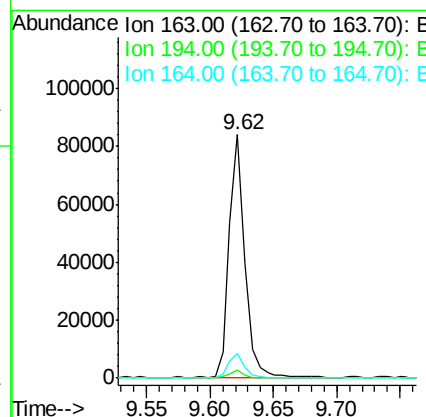
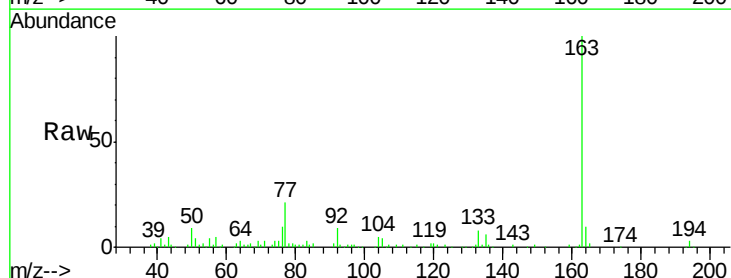
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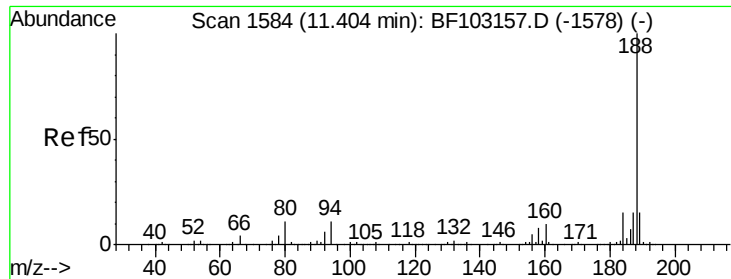
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#49
Dimethylphthalate
Concen: 3.817 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.0	8.2	12.2





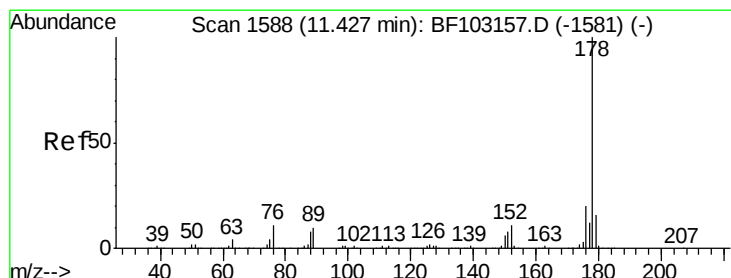
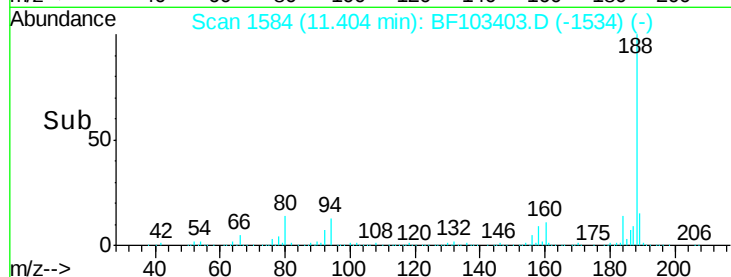
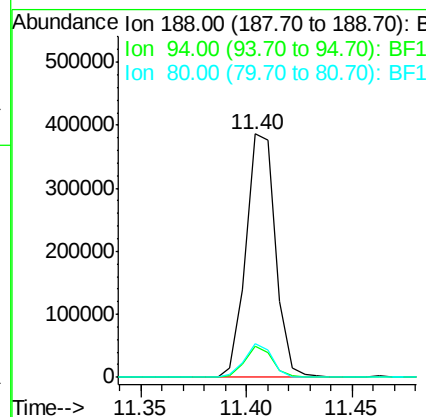
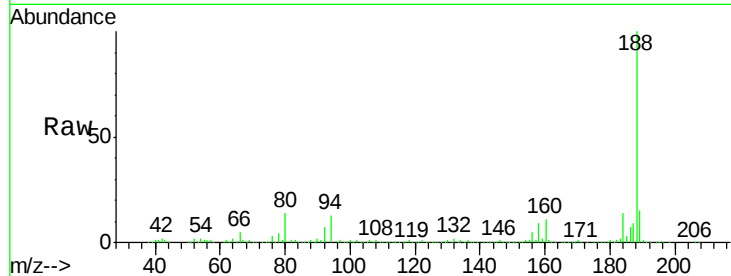
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103403.D
 Acq: 5 Mar 2018 12:24

Instrument :
 BNA_F
 ClientSampled :
 SP-25

Tot Ion	Ratio	Resp	Lower	Upper
188	100	374999		
94	12.9		8.5	12.7#
80	14.1		9.2	13.8#

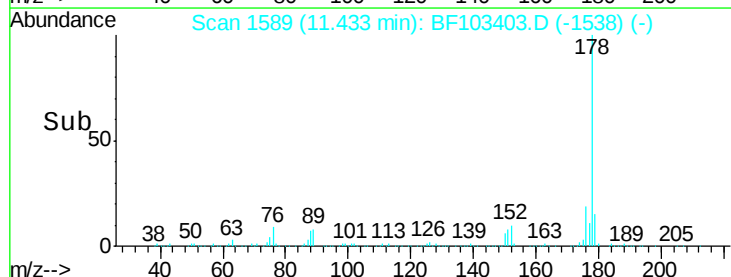
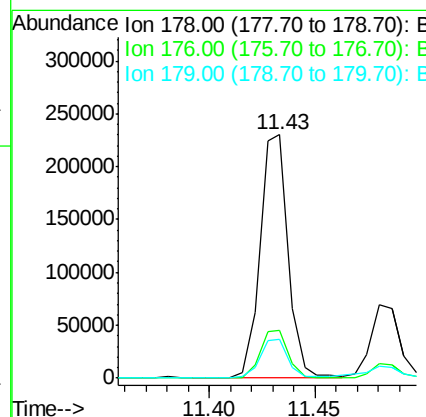
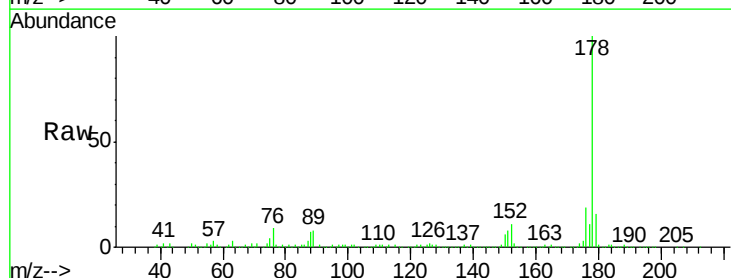
Manual Integrations
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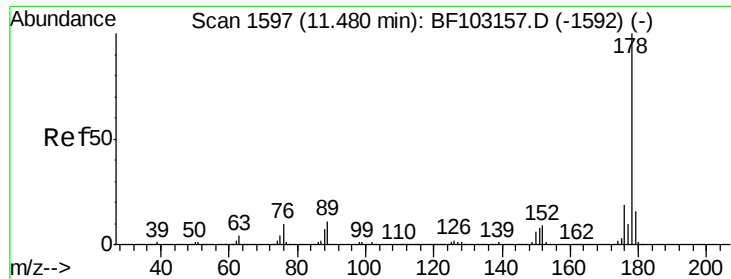
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#70
 Phenanthrene
 Concen: 10.299 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103403.D
 Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	212538		
176	19.5		15.8	23.8
179	15.7		13.0	19.6





#71

Anthracene

Concen: 2.987 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF103403.D

Acq: 5 Mar 2018 12:24

Instrument :

BNA_F

ClientSampleId :

SP-25

Tot Ion:178 Resp: 63206

Ion Ratio Lower Upper

178 100

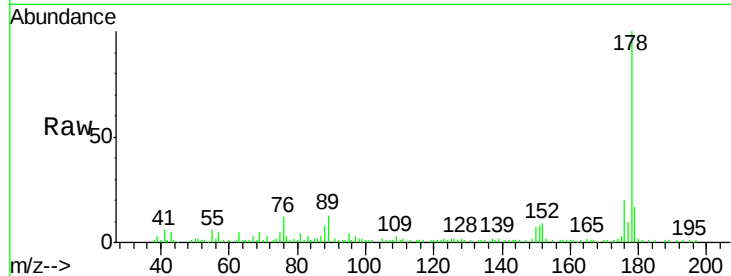
176 20.2 15.4 23.2

179 17.0 12.6 19.0

Manual Integrations
APPROVED

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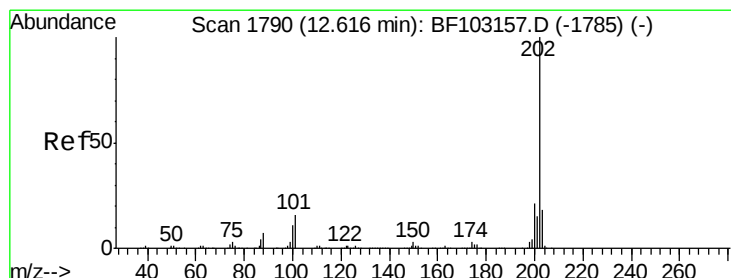
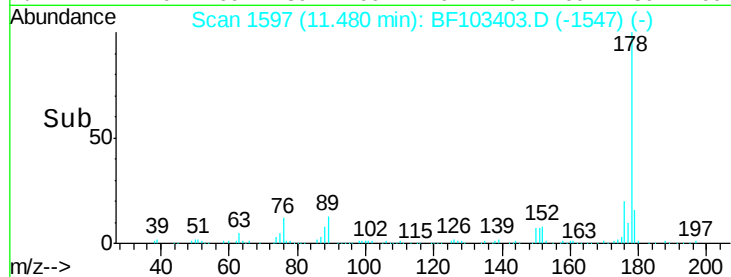
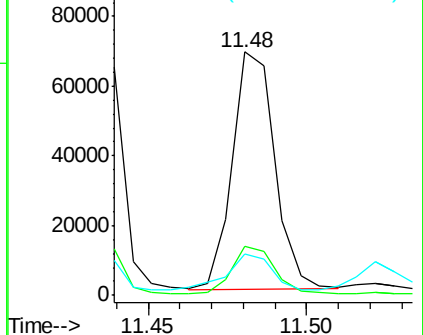
3/6/2018 4:22:41 PM



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



#74

Fluoranthene

Concen: 18.821 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103403.D

Acq: 5 Mar 2018 12:24

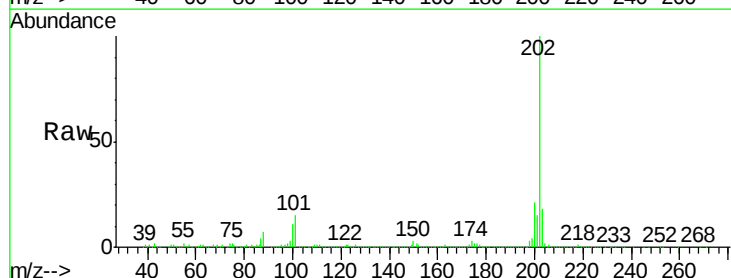
Tgt Ion:202 Resp: 390320

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

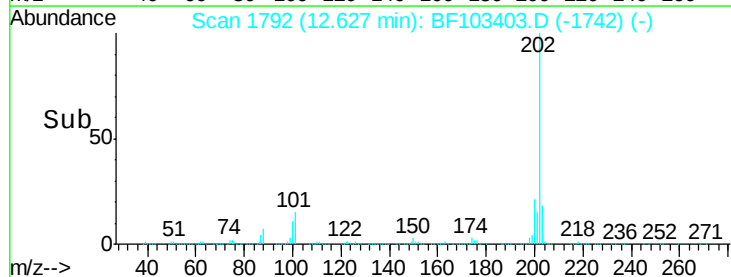
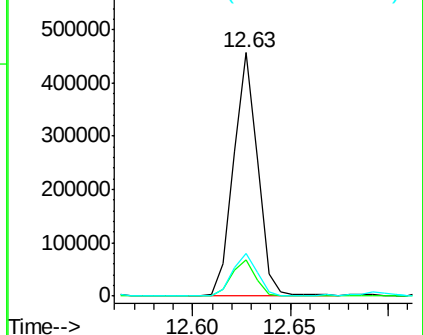
203 17.7 0.0 38.1

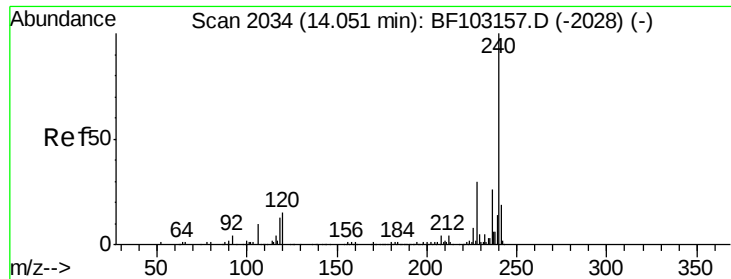


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103403.D

Acq: 5 Mar 2018 12:24

Instrument :

BNA_F

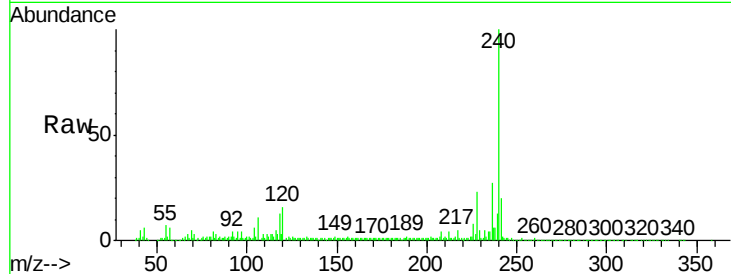
ClientSampled :

SP-25

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.9	9.5	14.3
236	27.0	20.7	31.1

Manual Integrations
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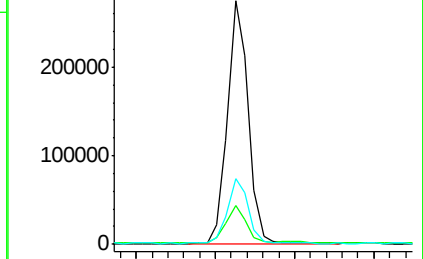
Sohil
3/6/2018 4:22:41 PM



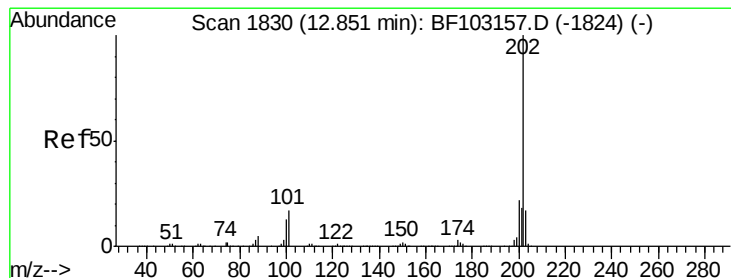
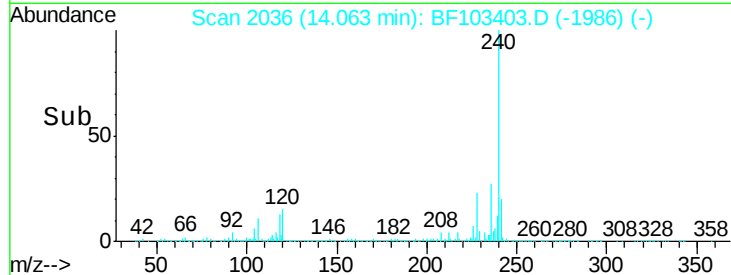
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 20.217 ng

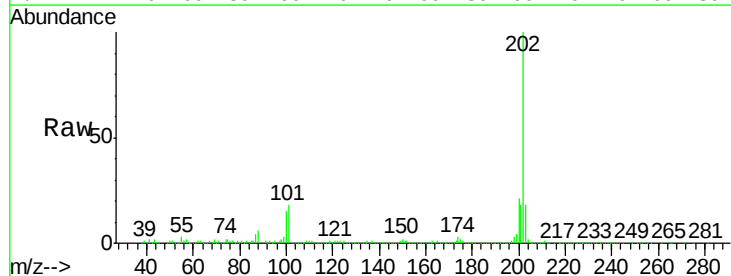
RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103403.D

Acq: 5 Mar 2018 12:24

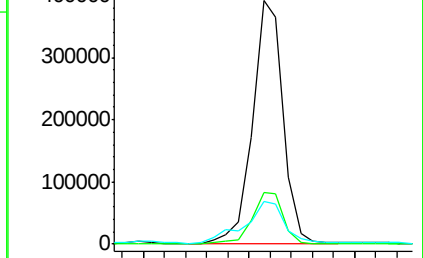
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.6	14.3	21.5



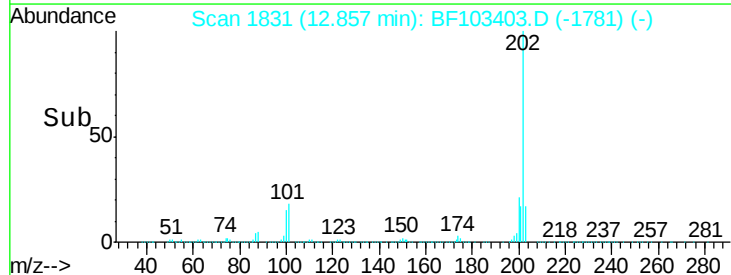
Abundance Ion 202.00 (201.70 to 202.70): E

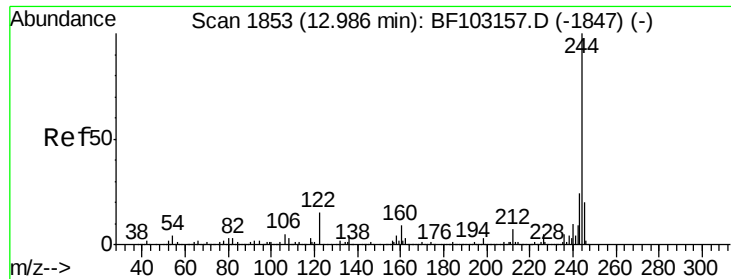
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





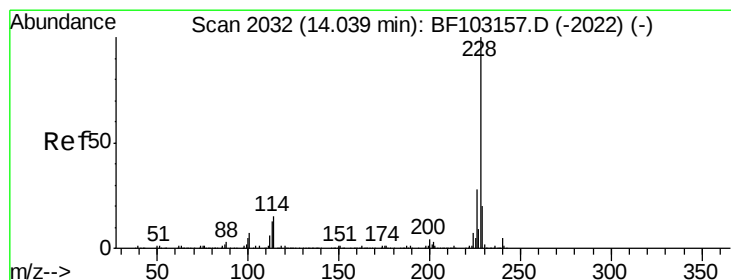
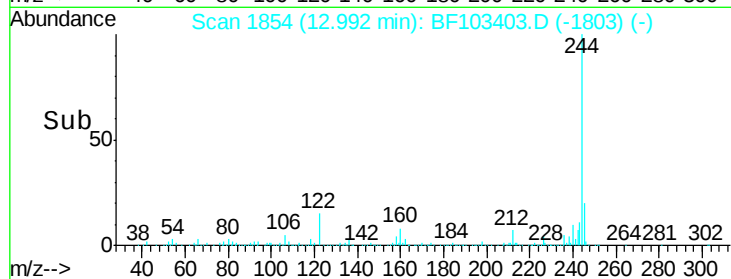
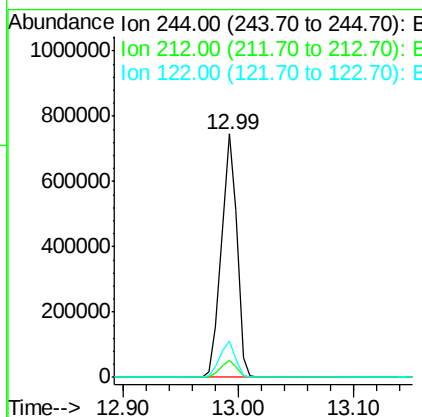
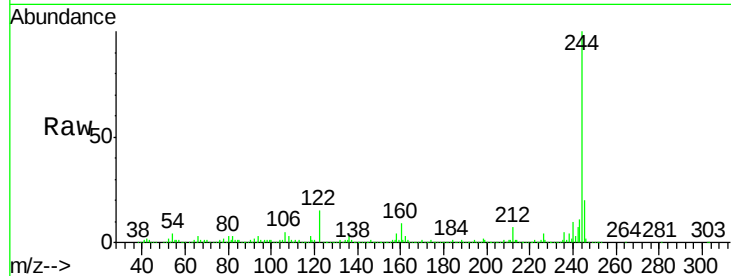
#78
 Terphenyl-d14
 Concen: 67.885 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF103403.D
 Acq: 5 Mar 2018 12:24

Instrument :
 BNA_F
 ClientSampled :
 SP-25

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.7	11.0	16.4

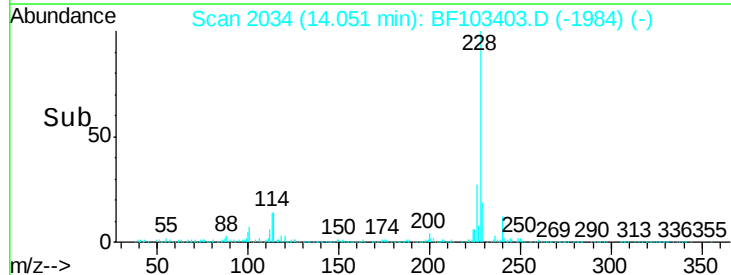
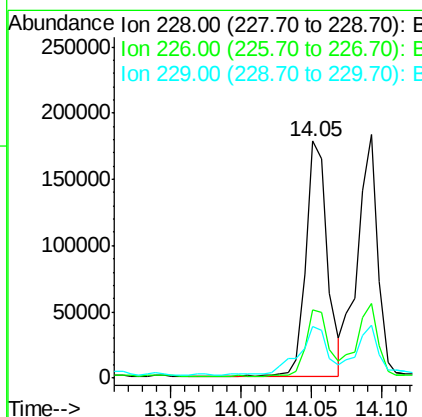
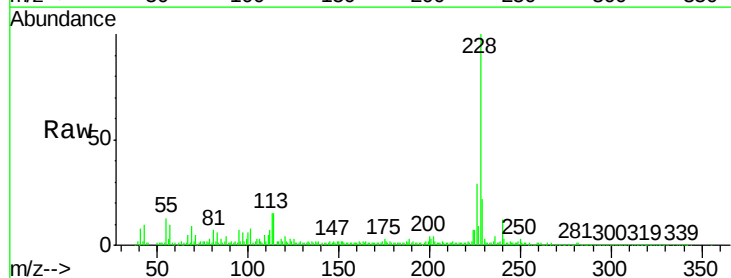
Manual Integrations
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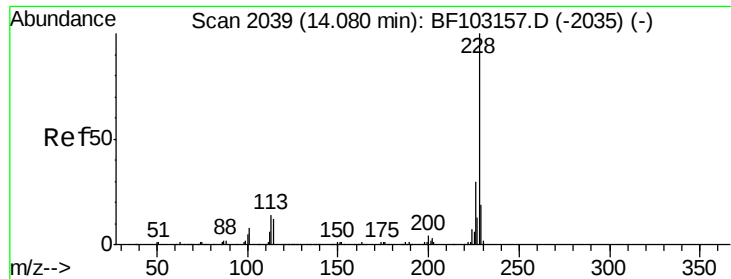
Sohil
 3/6/2018 4:22:41 PM



#80
 Benzo(a)anthracene
 Concen: 11.681 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103403.D
 Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.6	15.8	23.6





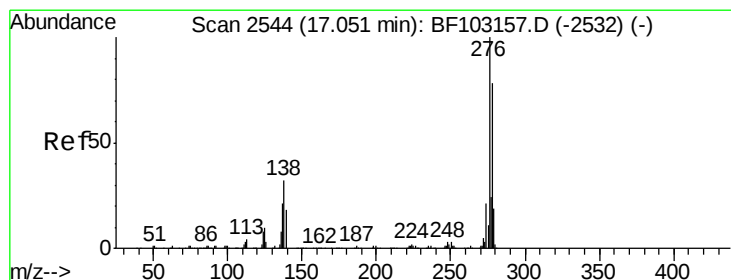
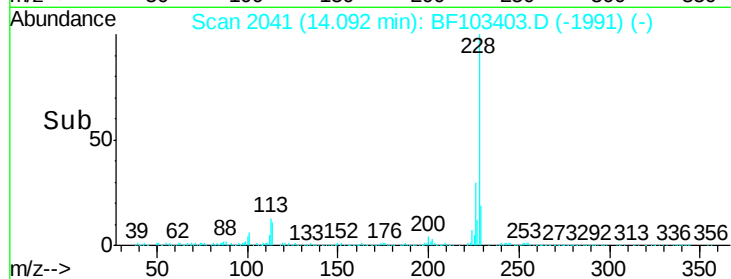
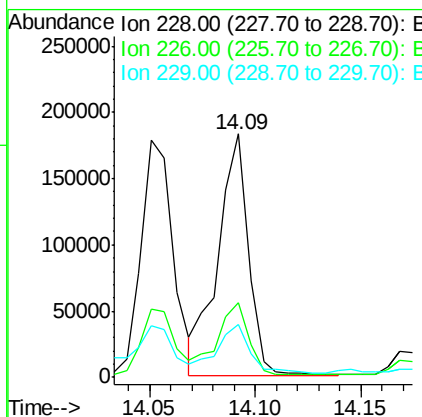
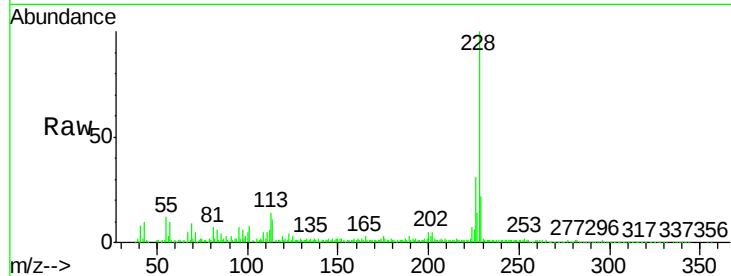
#82
Chrysene
Concen: 11.691 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampled :
SP-25

Tot Ion:	228	Resp:	182825
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.7	16.2	24.4

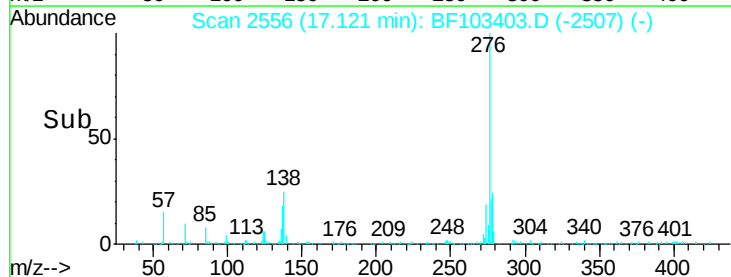
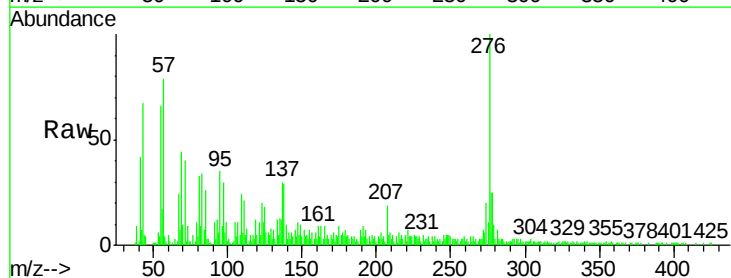
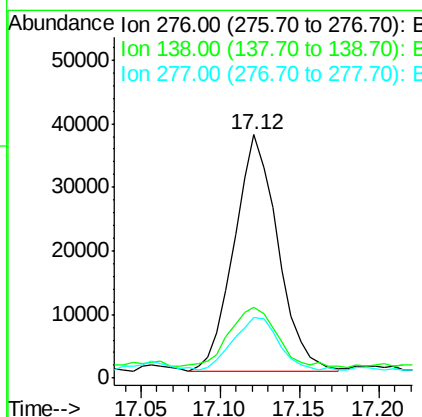
Manual Integrations
APPROVED

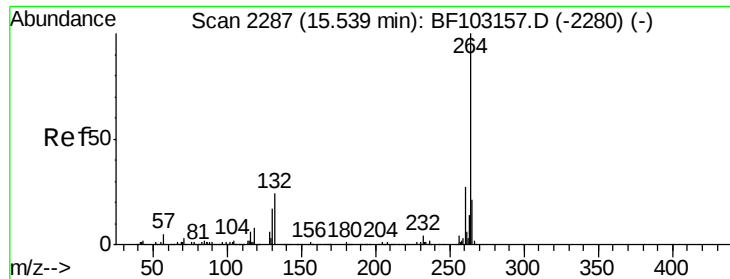
Sohil
3/6/2018 4:22:41 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.770 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion:	276	Resp:	71430
Ion Ratio	Lower	Upper	
276	100		
138	27.8	25.0	37.6
277	23.7	20.1	30.1





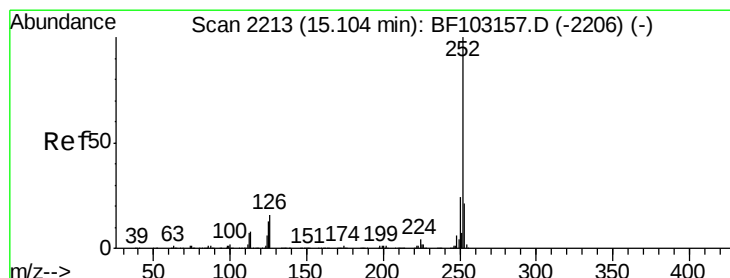
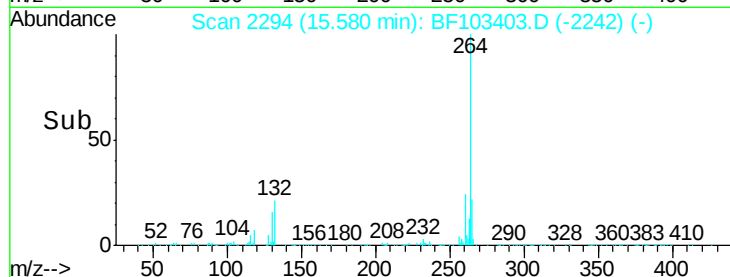
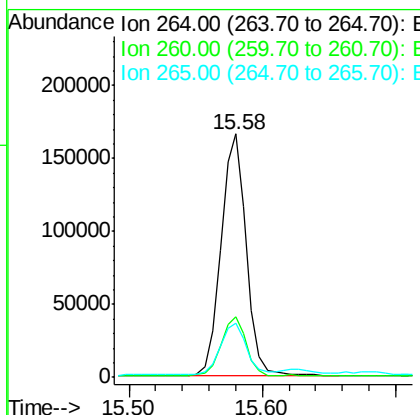
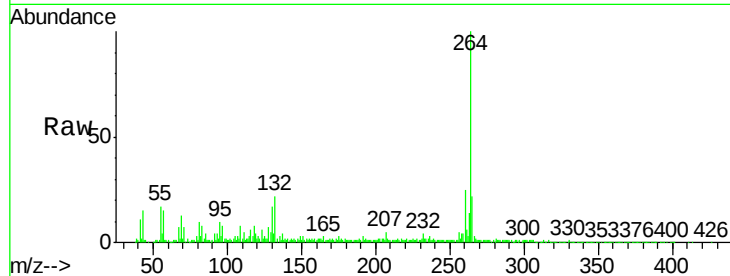
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampleId :
SP-25

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3

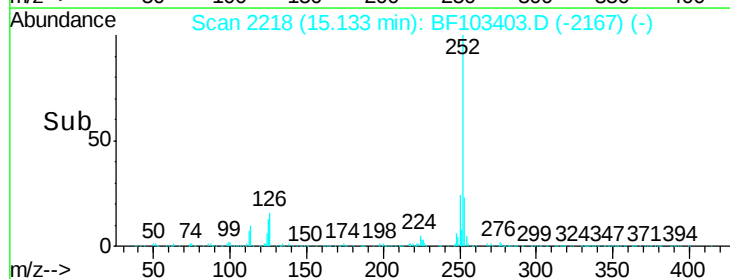
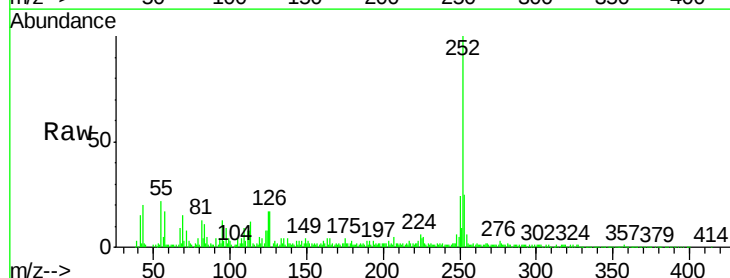
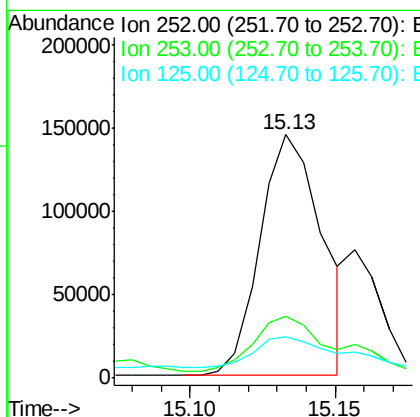
Manual Integrations
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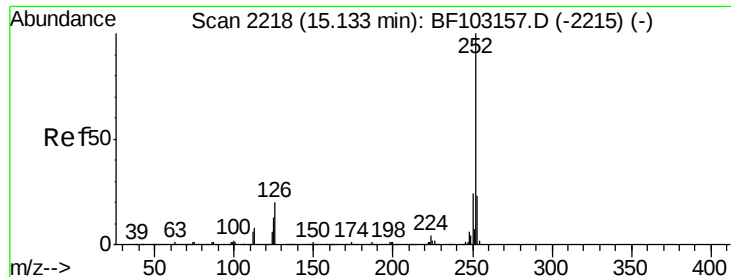
Sohil
3/6/2018 4:22:41 PM



#87
Benzo(b)fluoranthene
Concen: 14.735 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	17.1	9.0	13.6





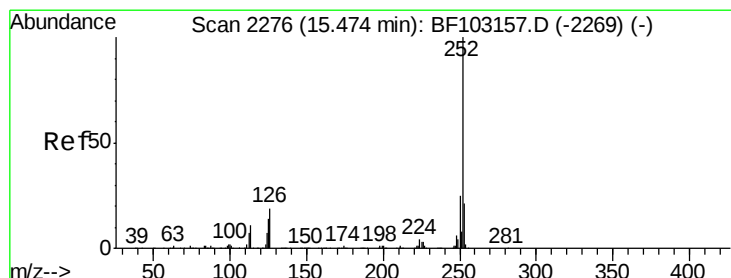
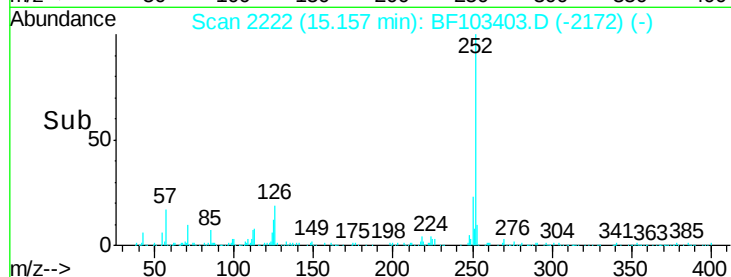
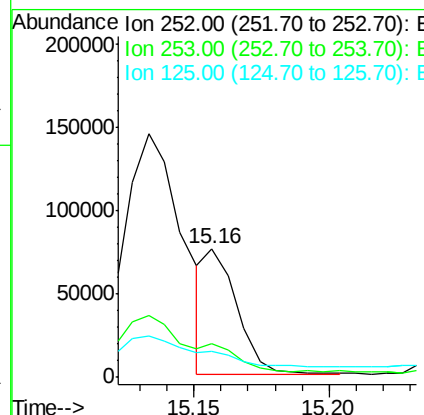
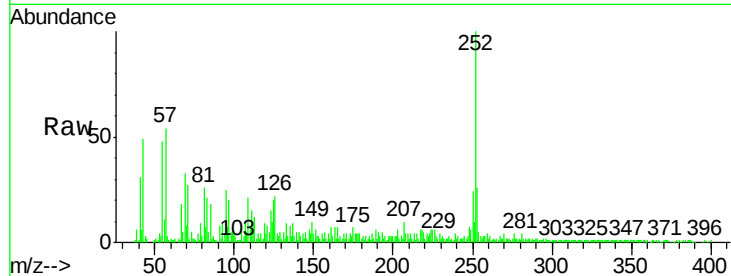
#88
Benzo(k)fluoranthene
Concen: 4.597 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampleId :
SP-25

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	20.2	10.2	15.2

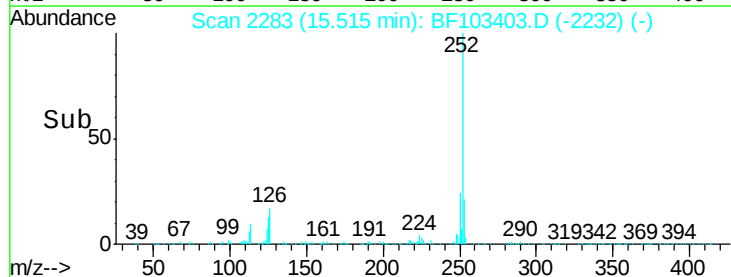
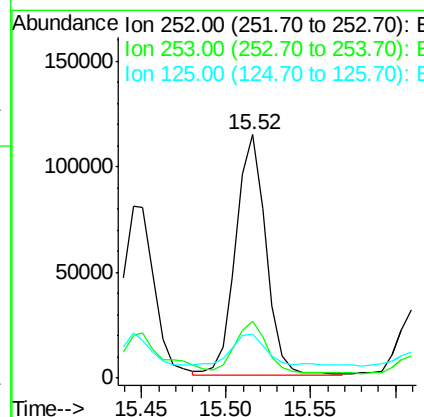
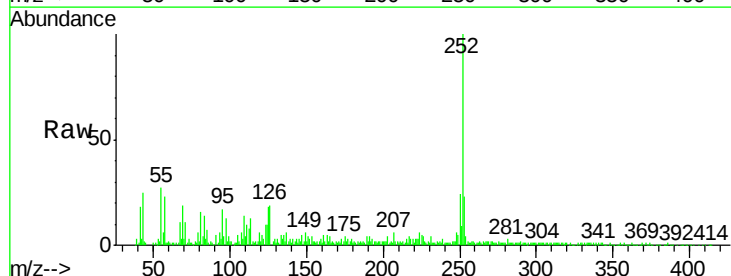
Manual Integrations
APPROVED

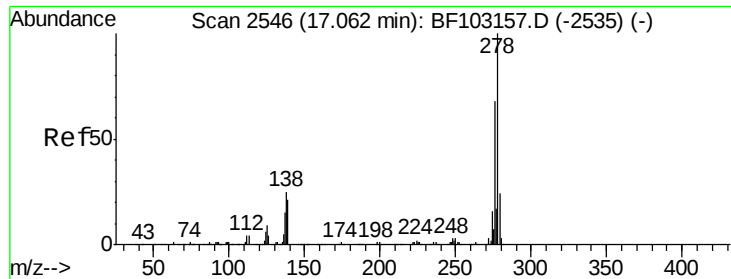
Sohil
3/6/2018 4:22:41 PM



#89
Benzo(a)pyrene
Concen: 10.849 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	17.8	9.8	14.6





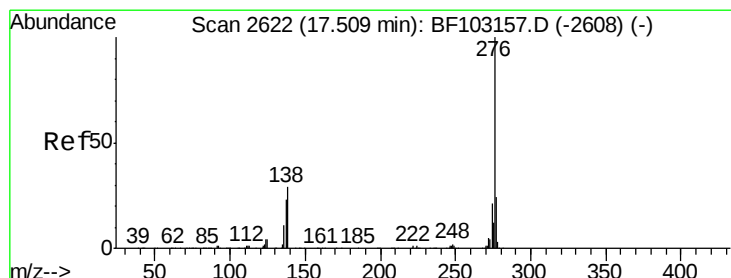
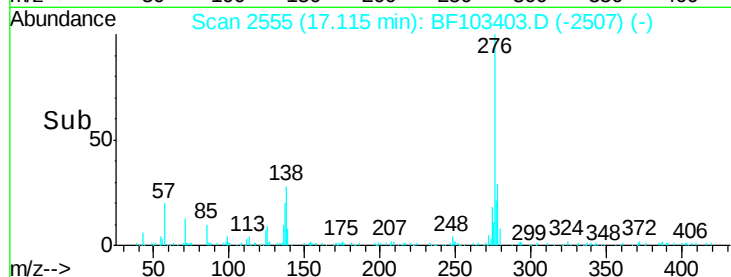
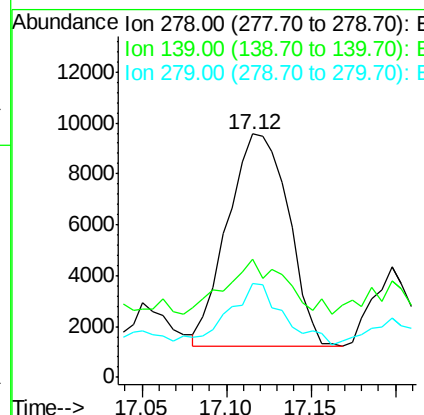
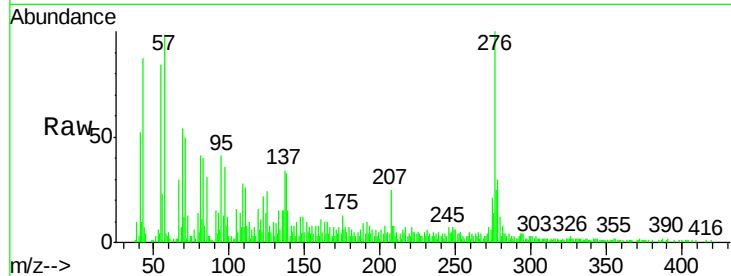
#90
Dibenzo(a,h)anthracene
Concen: 2.078 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Instrument :
BNA_F
ClientSampleId :
SP-25

Tot Ion	Ratio	Lower	Upper
278	100		
139	48.4	15.9	23.9#
279	38.8	19.0	28.4#

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:41 PM



#91
Benzo(g,h,i)perylene
Concen: 7.380 ng
RT: 17.59 min Scan# 2636
Delta R.T. 0.00 min
Lab File: BF103403.D
Acq: 5 Mar 2018 12:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	30.9	21.8	32.8

