

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103385.D
 Acq On : 3 Mar 2018 00:07
 Operator : SJ/JU
 Sample : J1724-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-8

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:14:03 PM

Quant Time: Mar 03 03:42:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140510	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	592591	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	234290	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	328872	20.00	ng	0.00
75) Chrysene-d12	14.07	240	210684	20.00	ng	0.00
86) Perylene-d12	15.58	264	156298	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	896262	96.47	ng	0.00
7) Phenol-d6	6.52	99	1038138	91.32	ng	0.00
23) Nitrobenzene-d5	7.45	82	676649	65.21	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	132954	67.04	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	911341	62.91	ng	0.00
78) Terphenyl-d14	13.00	244	589996	67.32	ng	0.00

Target Compounds				Qvalue		
49) Dimethylphthalate	9.63	163	375167	19.961	ng	99
51) Acenaphthene	9.95	154	40295	2.892	ng	94
57) Fluorene	10.47	166	62691	3.847	ng	96
70) Phenanthrene	11.44	178	941893	52.042	ng	99
71) Anthracene	11.49	178	295999	15.949	ng	100
72) Carbazole	11.65	167	41838	2.264	ng	96
74) Fluoranthene	12.64	202	1419696	78.060	ng	99
77) Pyrene	12.87	202	1228953	74.817	ng	99
80) Benzo(a)anthracene	14.06	228	626244	45.812	ng	100
82) Chrysene	14.10	228	578249	43.565	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	173878	16.547	ng	97
87) Benzo(b)fluoranthene	15.14	252	496542m	48.318	ng	
88) Benzo(k)fluoranthene	15.16	252	210595m	21.763	ng	
89) Benzo(a)pyrene	15.52	252	334390	36.438	ng	# 95
90) Dibenzo(a,h)anthracene	17.12	278	49187	6.936	ng	# 81
91) Benzo(g,h,i)perylene	17.59	276	158767	22.909	ng	97

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

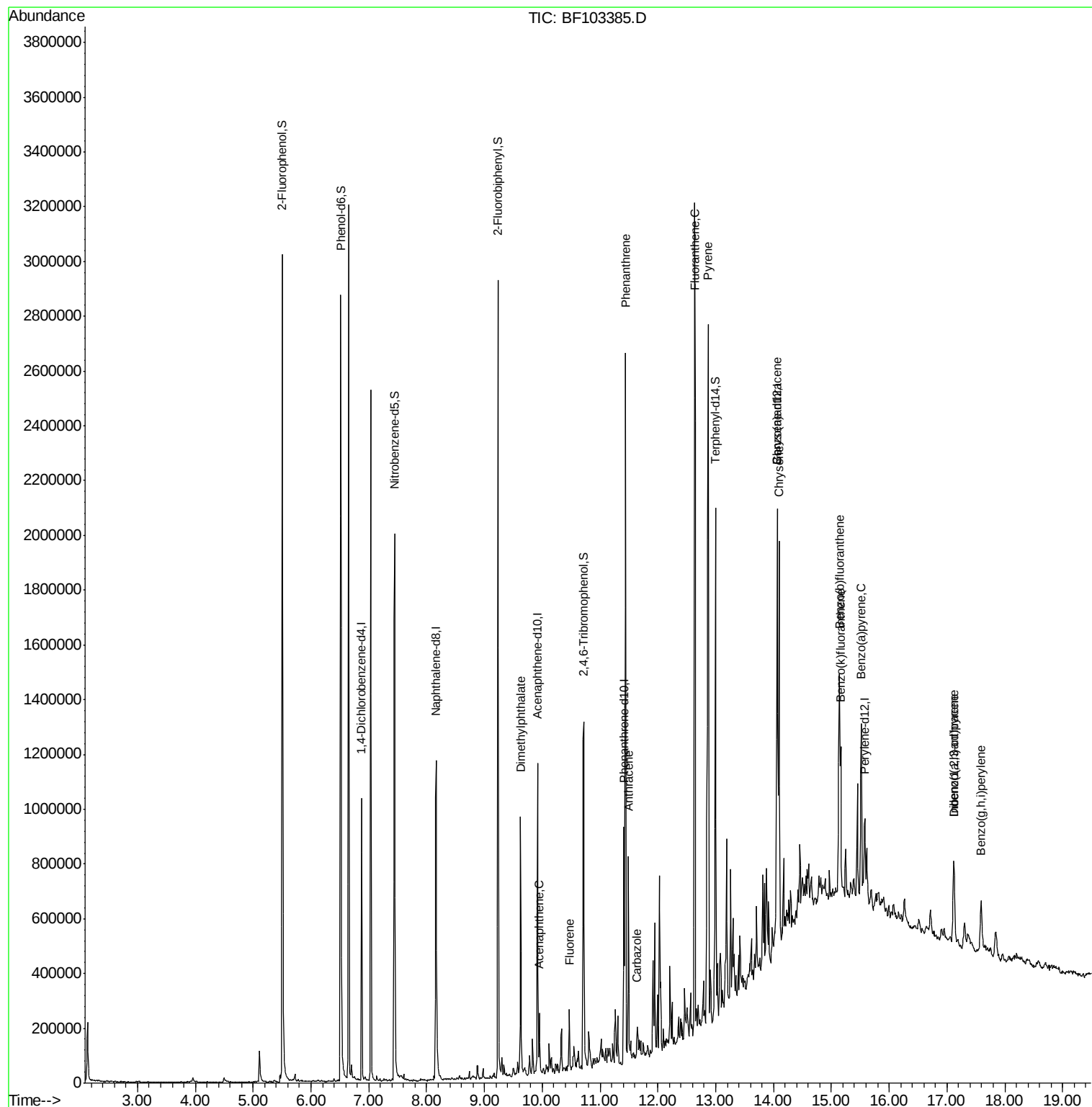
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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#1

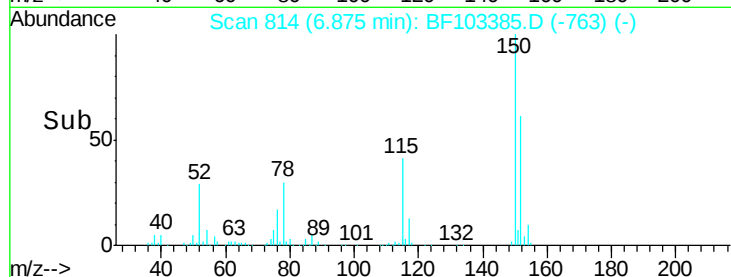
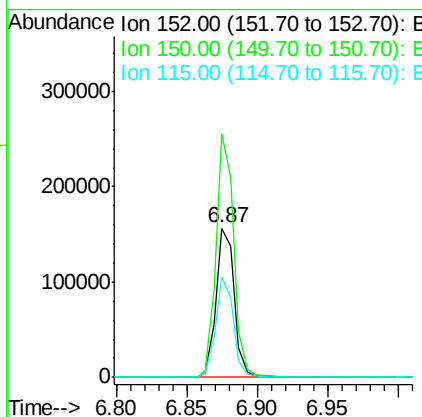
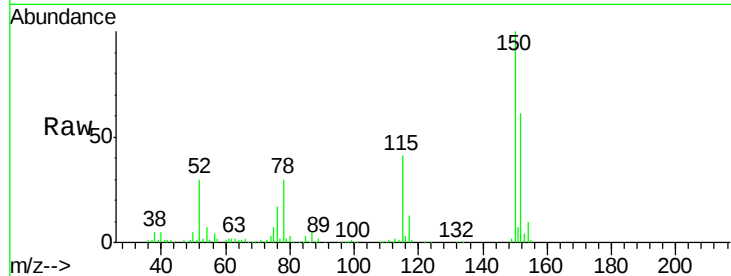
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Instrument :
BNA_F
ClientSampleId :
SP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.6	186.8
115	67.4	50.1	75.1

Manual Integrations
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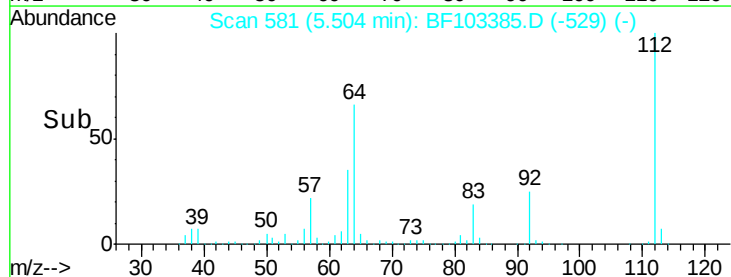
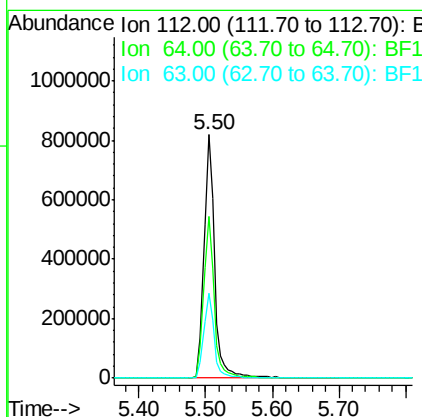
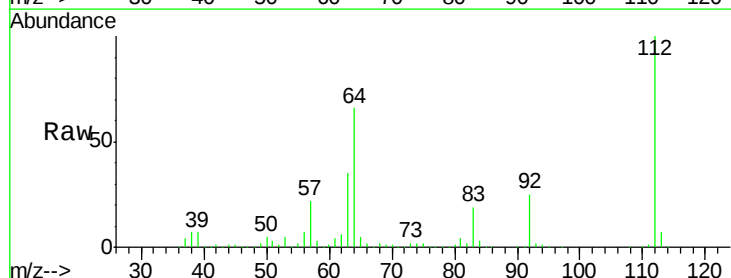
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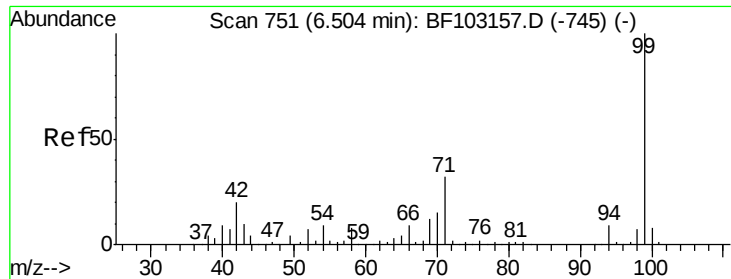


#5

2-Fluorophenol
Concen: 96.472 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 91.320 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Instrument :

BNA_F

ClientSampled :

SP-8

Tot Ion: 99 Resp: 1038138

Ion Ratio Lower Upper

99 100

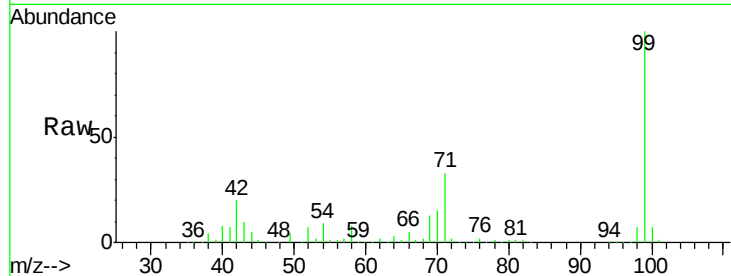
42 20.2 14.5 21.7

71 33.2 25.4 38.0

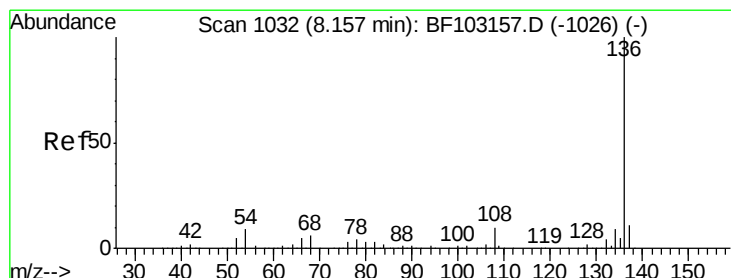
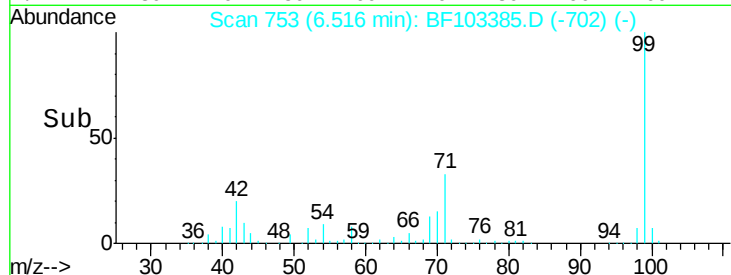
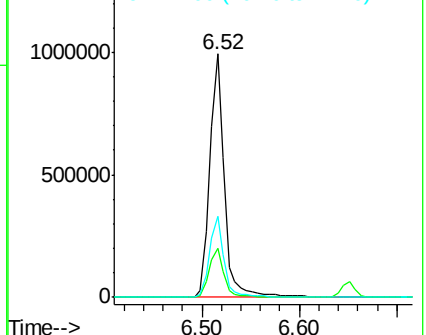
Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Tgt Ion: 136 Resp: 592591

Ion Ratio Lower Upper

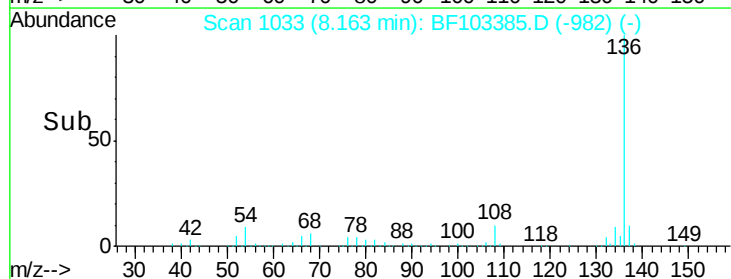
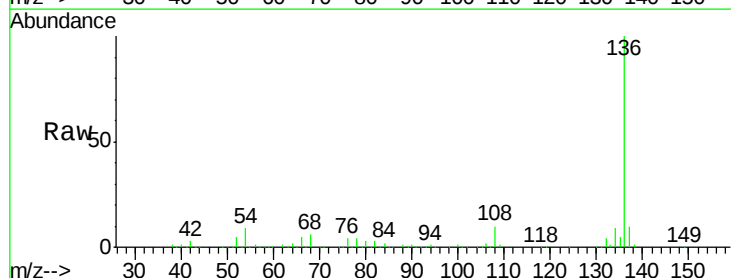
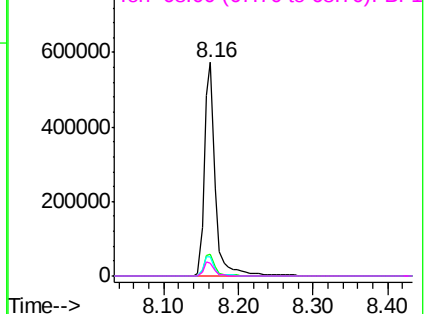
136 100

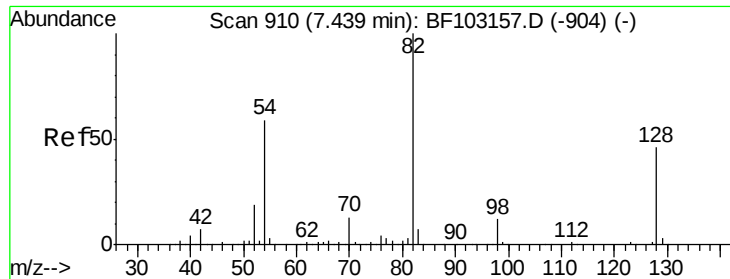
137 10.3 8.9 13.3

54 8.8 6.6 9.8

68 6.3 5.0 7.4

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





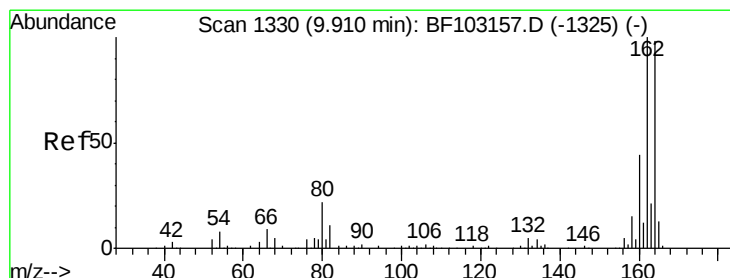
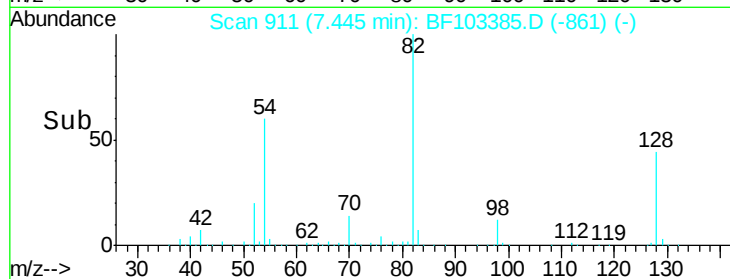
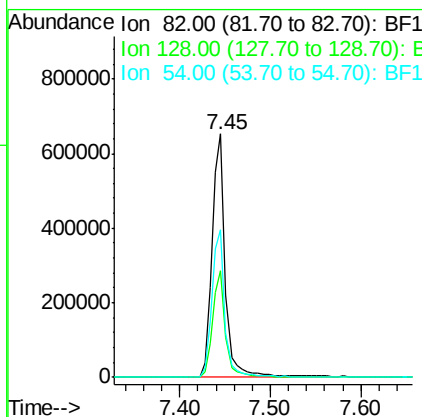
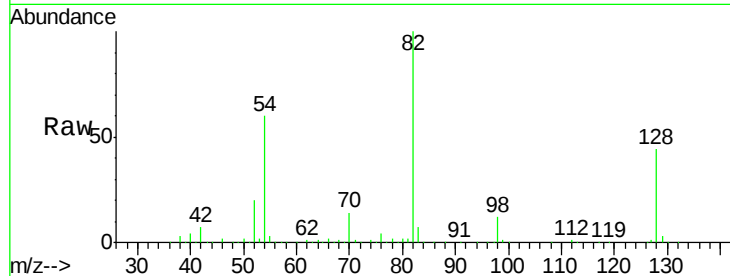
#23
Nitrobenzene-d5
Concen: 65.209 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Instrument :
BNA_F
ClientSampled :
SP-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	60.4	41.4	62.2

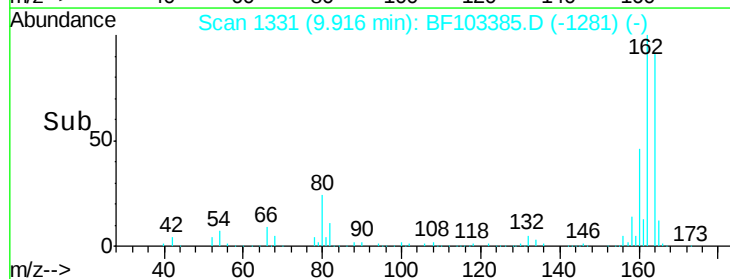
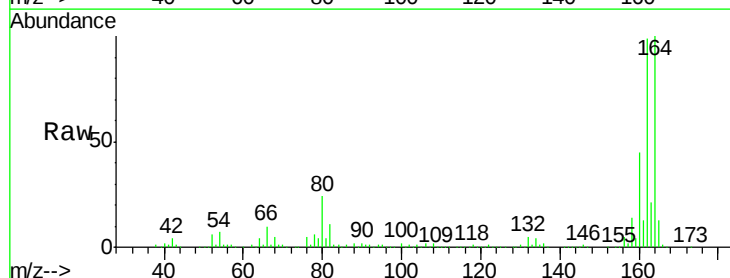
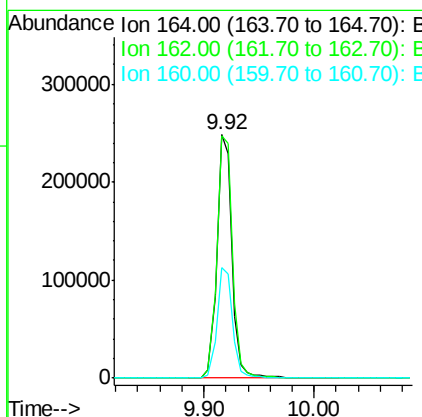
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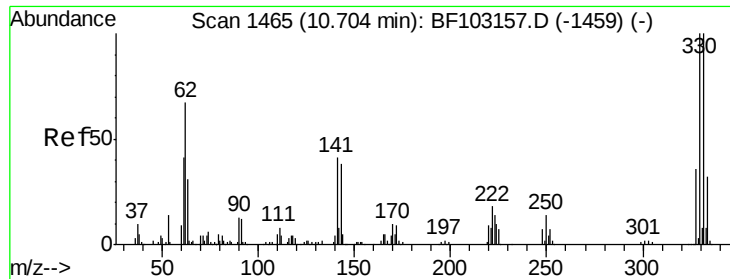
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	86.1	129.1
160	45.4	38.3	57.5





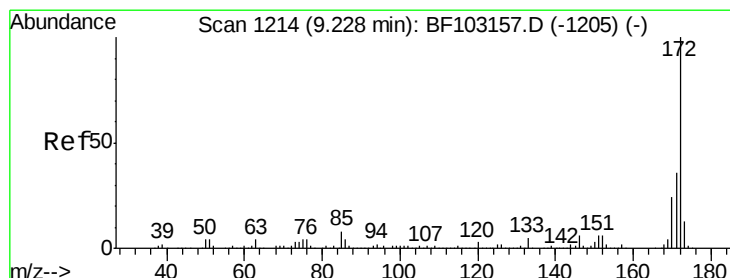
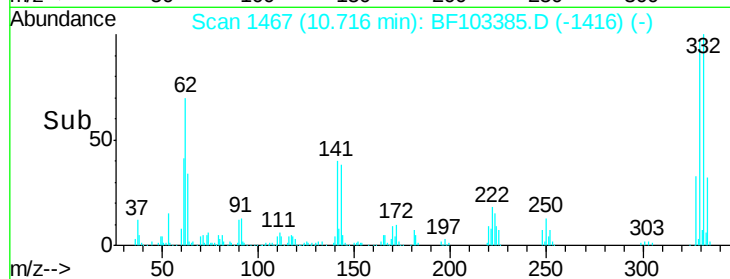
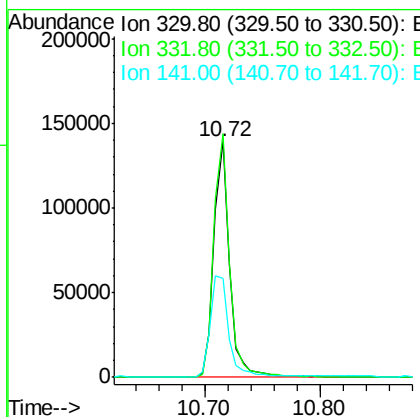
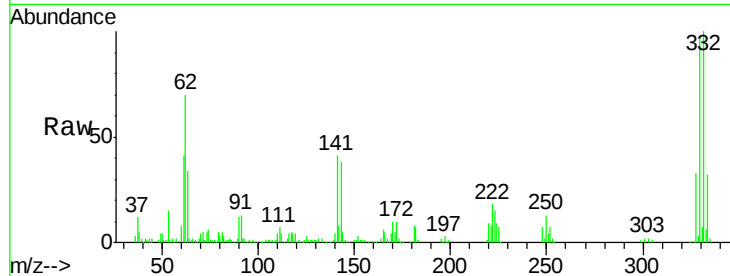
#41
 2,4,6-Tribromophenol
 Concen: 67.042 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103385.D
 Acq: 3 Mar 2018 00:07

Instrument :
 BNA_F
 ClientSampled :
 SP-8

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.7	77.0	115.6	
141	48.7	29.9	44.9	

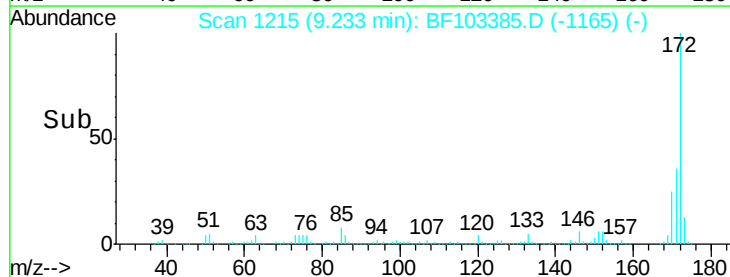
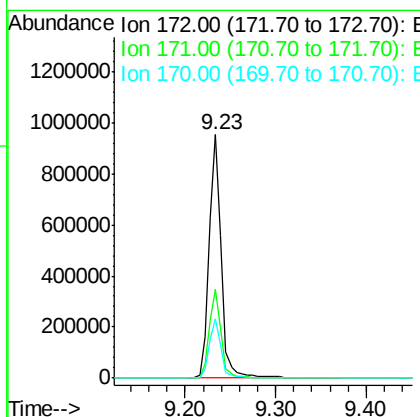
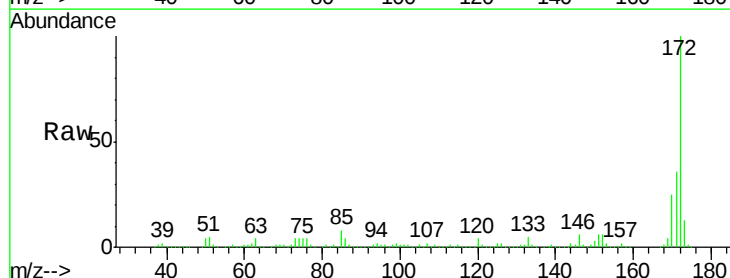
Manual Integrations
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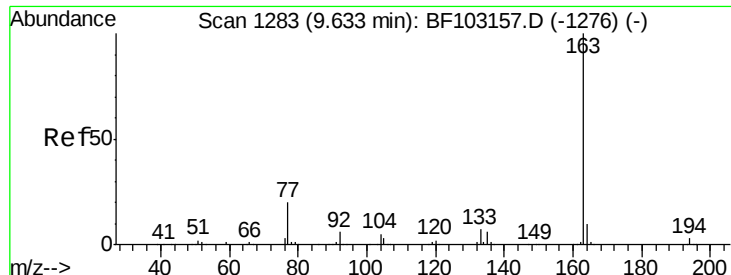
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 62.906 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103385.D
 Acq: 3 Mar 2018 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	24.6	19.6	29.4	





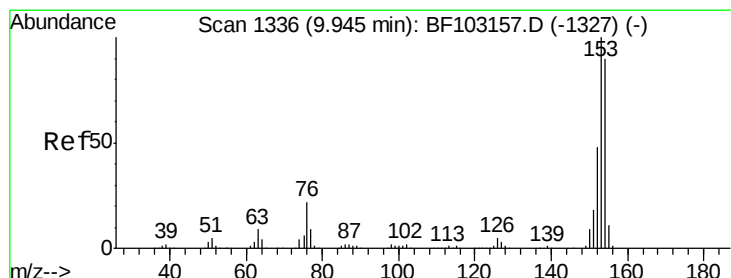
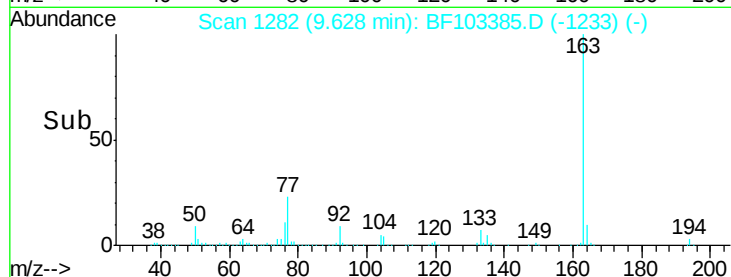
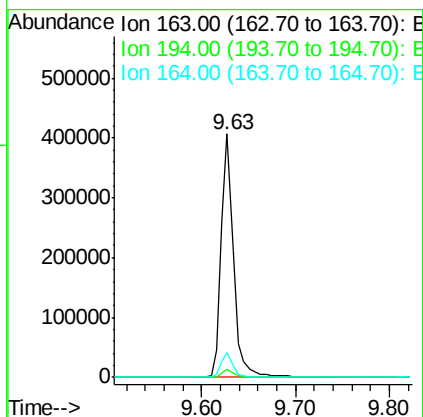
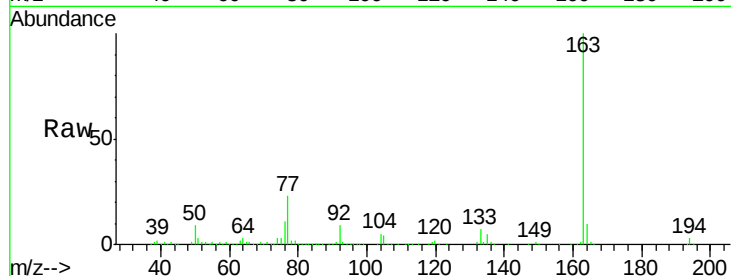
#49
Dimethylphthalate
Concen: 19.961 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Instrument :
BNA_F
ClientSampled :
SP-8

Tot Ion:	163	Resp:	375167
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	9.9	8.2	12.2

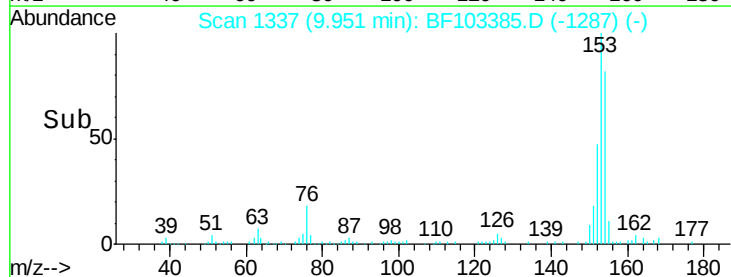
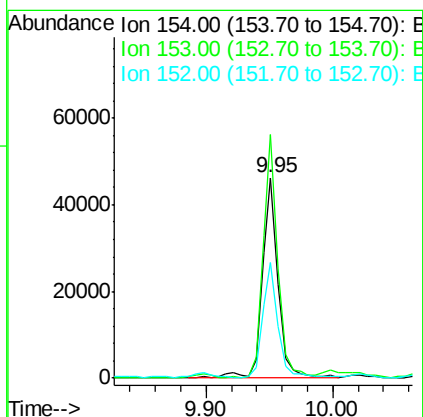
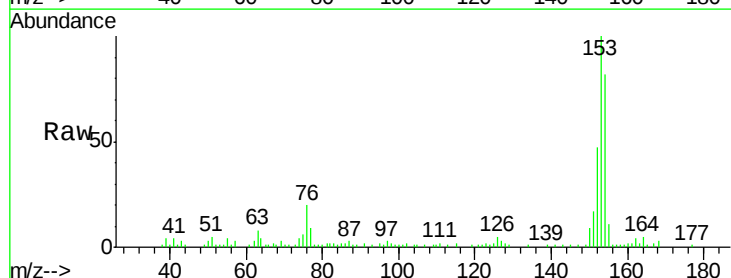
Manual Integrations
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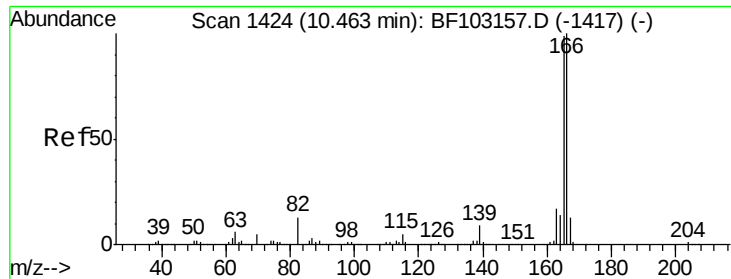
Sohil
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#51
Acenaphthene
Concen: 2.892 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Tgt Ion:	154	Resp:	40295
Ion Ratio	Lower	Upper	
154	100		
153	121.5	91.2	136.8
152	57.4	43.8	65.8





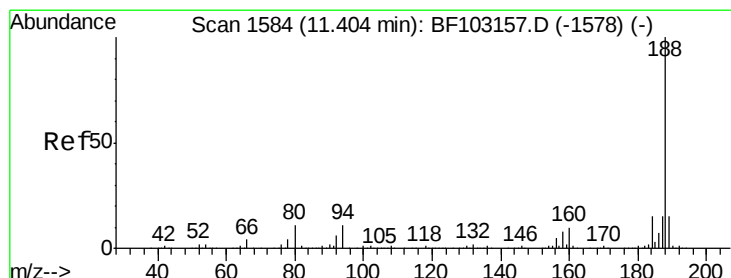
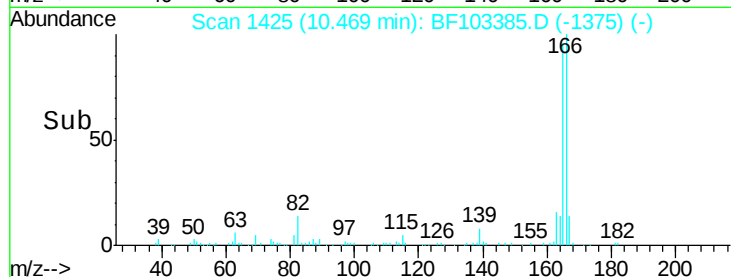
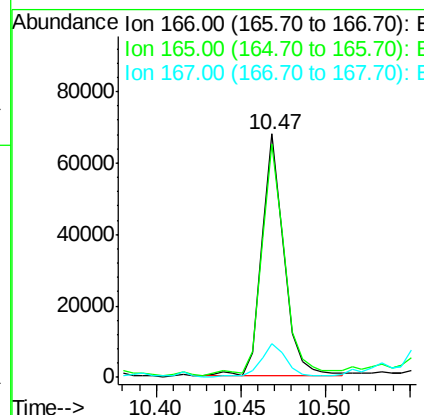
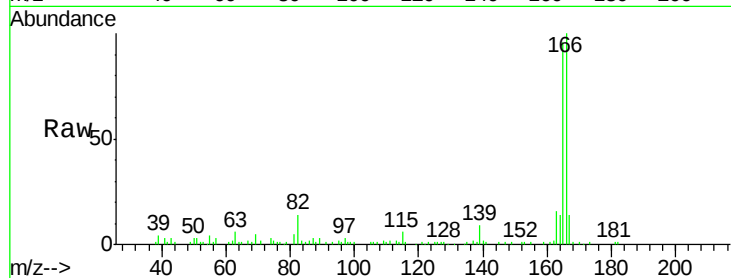
#57
Fluorene
 Concen: 3.847 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF103385.D
 Acq: 3 Mar 2018 00:07

Instrument :
 BNA_F
 ClientSampleId :
 SP-8

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.8	119.8
167	14.0	10.6	16.0

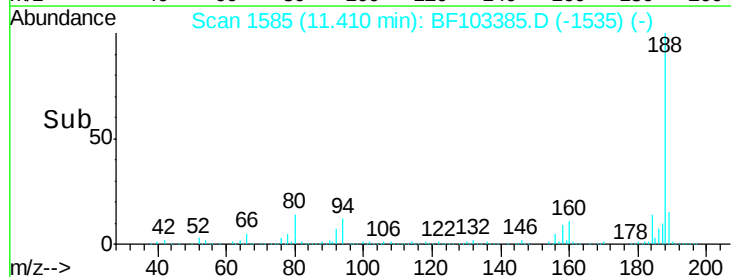
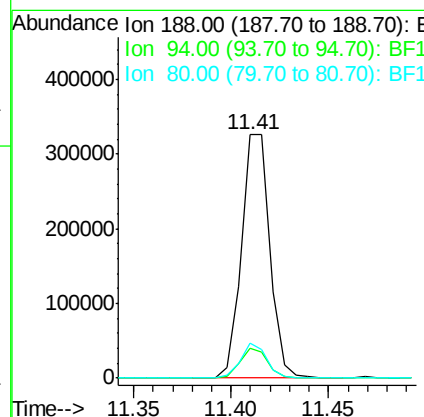
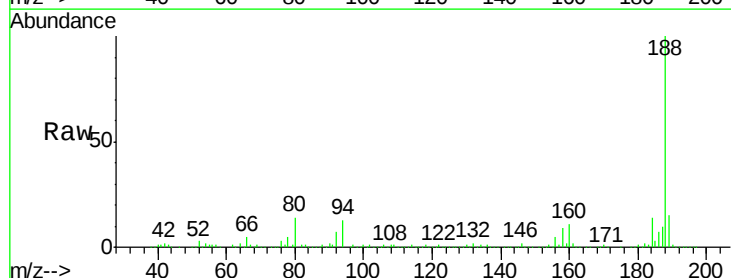
Manual Integrations
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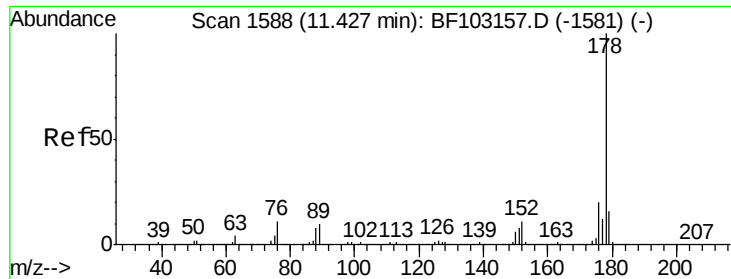
Sohil
 3/5/2018 3:14:03 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF103385.D
 Acq: 3 Mar 2018 00:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	8.5	12.7
80	14.3	9.2	13.8





#70

Phenanthrene

Concen: 52.042 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Instrument :

BNA_F

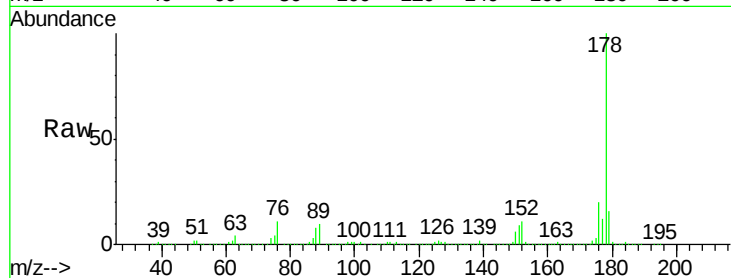
ClientSampled :

SP-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.7	13.0	19.6

Manual Integrations
APPROVED

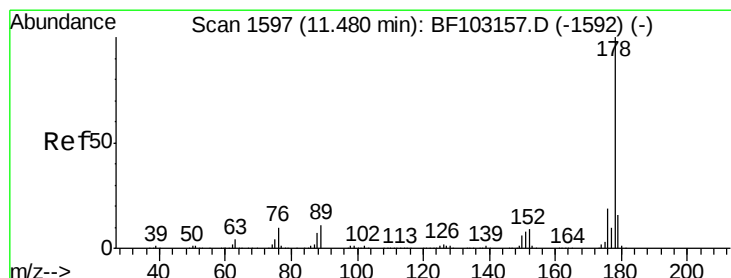
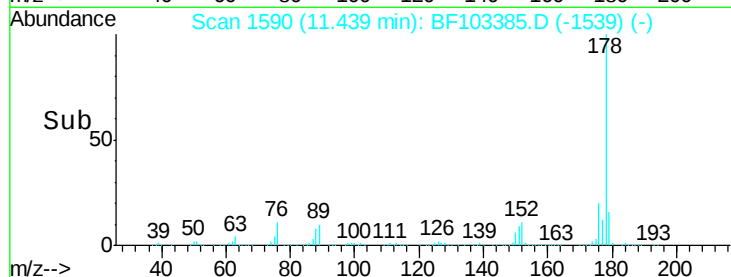
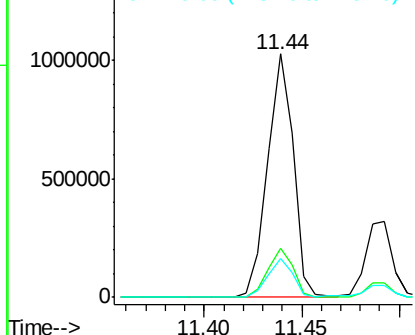
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 15.949 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF103385.D

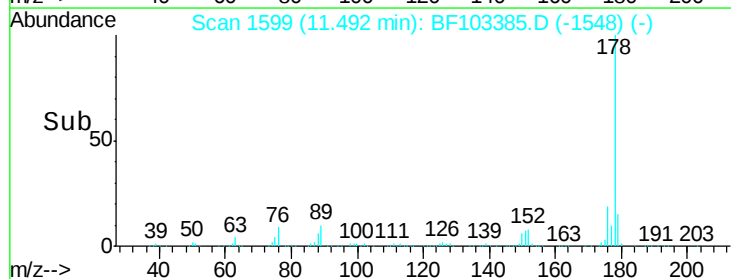
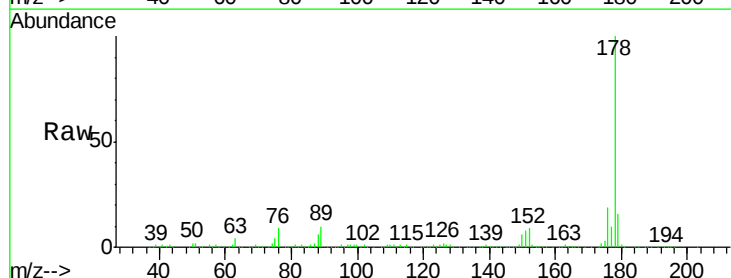
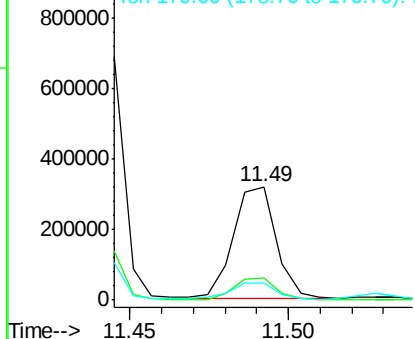
Acq: 3 Mar 2018 00:07

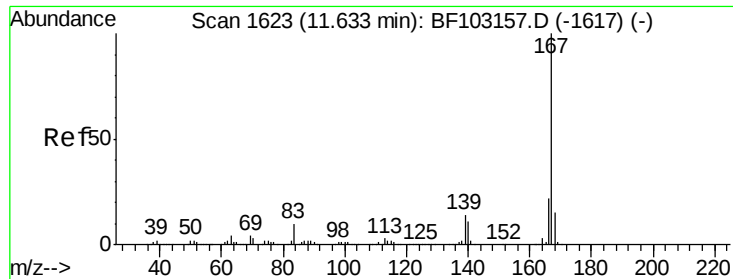
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.6	19.0

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





#72

Carbazole

Concen: 2.264 ng

RT: 11.65 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Instrument :

BNA_F

ClientSampled :

SP-8

Tot Ion:167 Resp: 41838

Ion Ratio Lower Upper

167 100

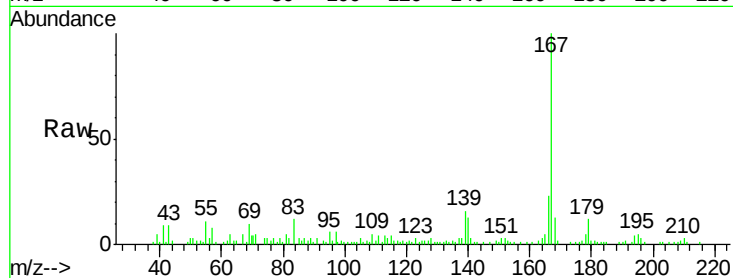
166 23.3 17.6 26.4

139 16.3 10.9 16.3

Manual Integrations
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Sohil

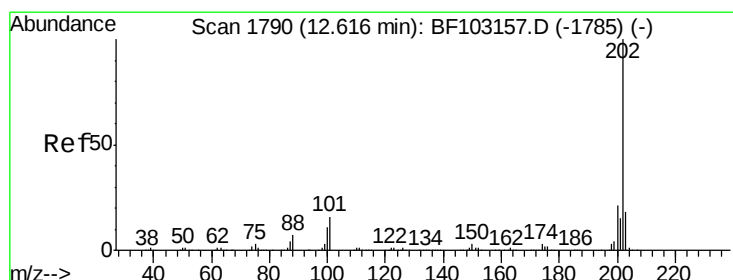
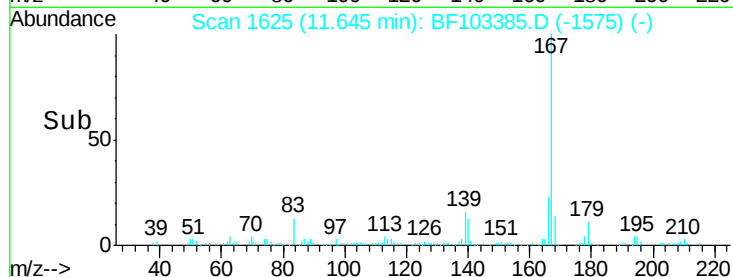
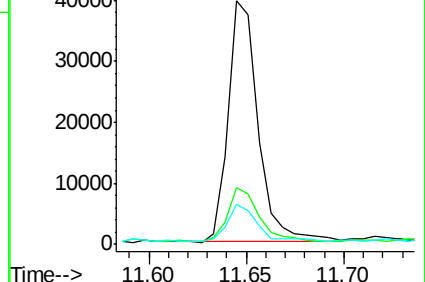
3/5/2018 3:14:03 PM



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: 78.060 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

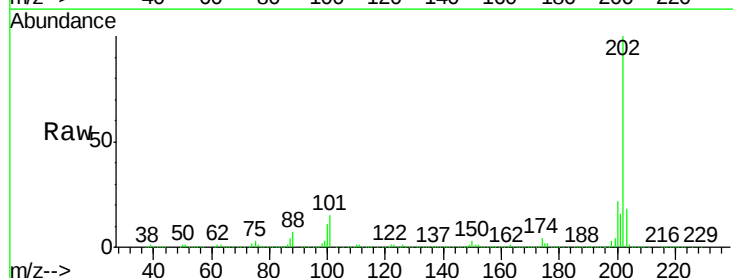
Tgt Ion:202 Resp: 1419696

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

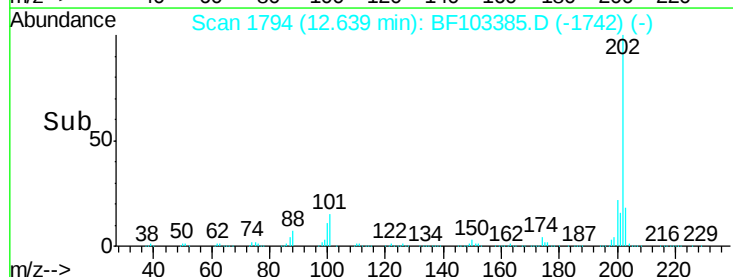
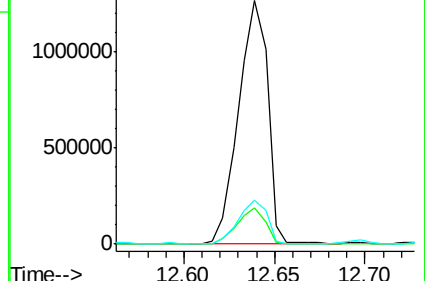
203 18.2 0.0 38.1

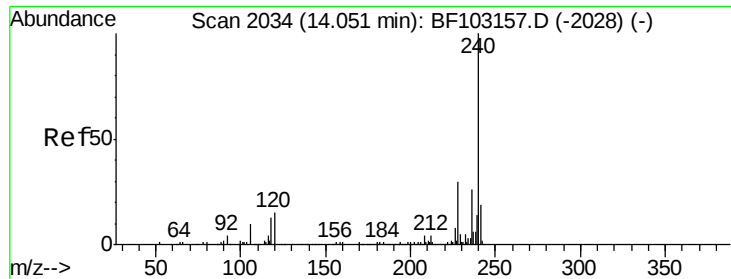


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Instrument :

BNA_F

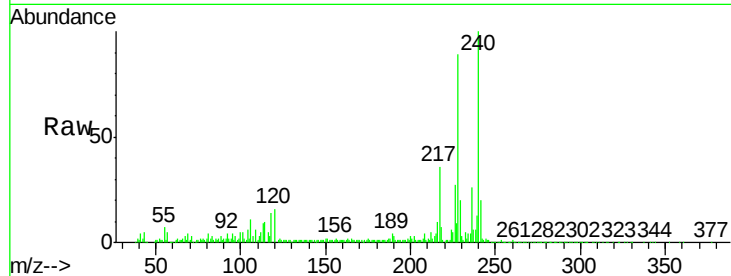
ClientSampled :

SP-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	16.2	9.5	14.3		
236	26.5	20.7	31.1		

Manual Integrations
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3/5/2018 3:14:03 PM

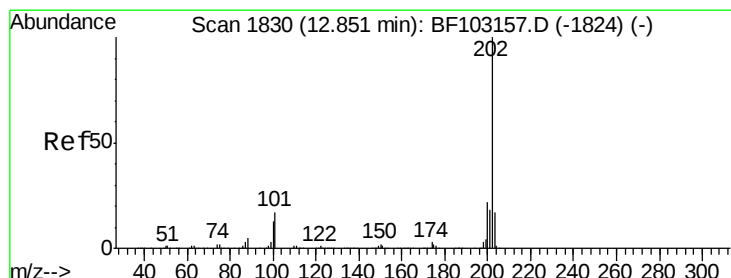
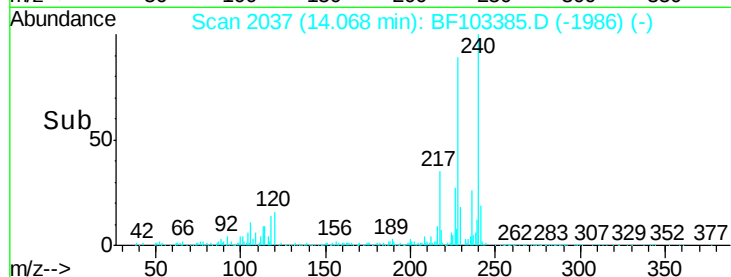
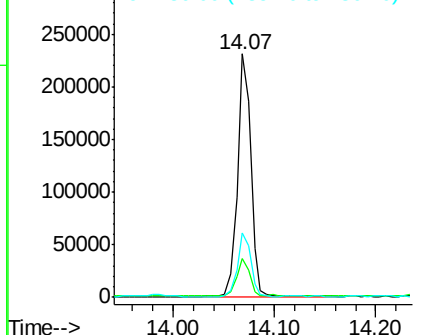


Abundance

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: 74.817 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

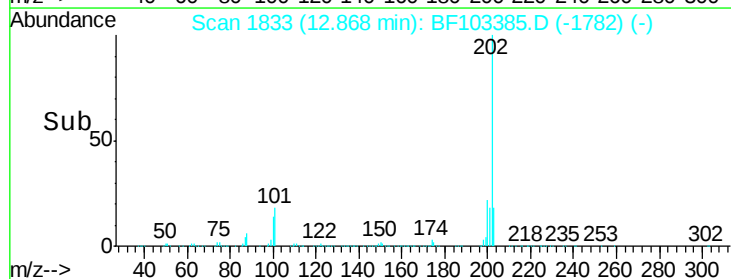
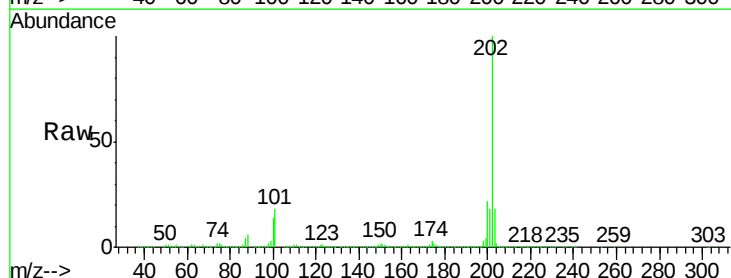
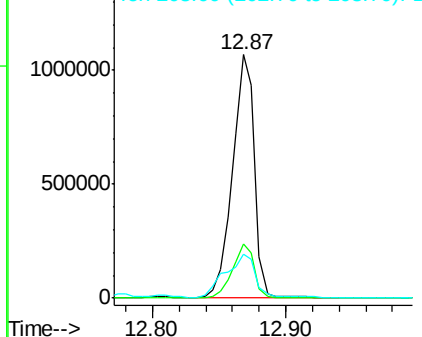
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.0	17.4	26.2		
203	18.3	14.3	21.5		

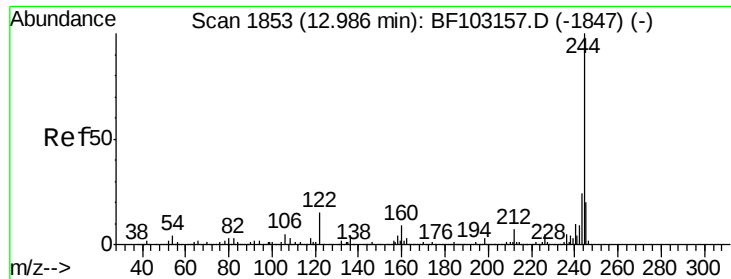
Abundance

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





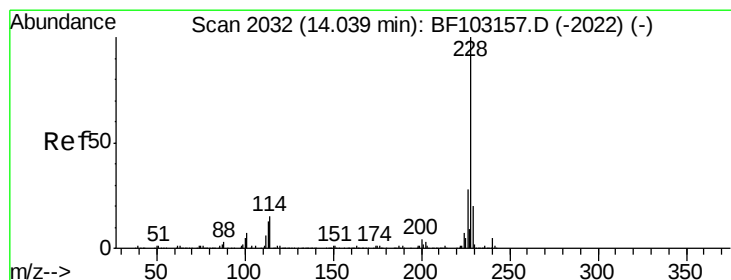
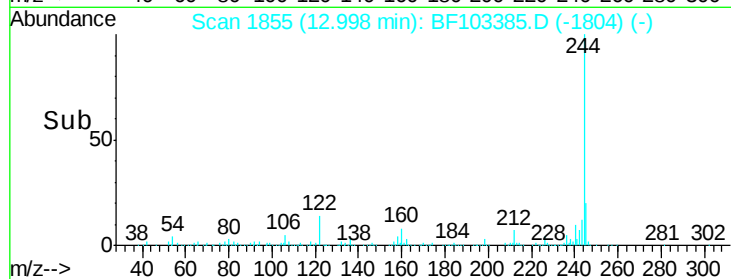
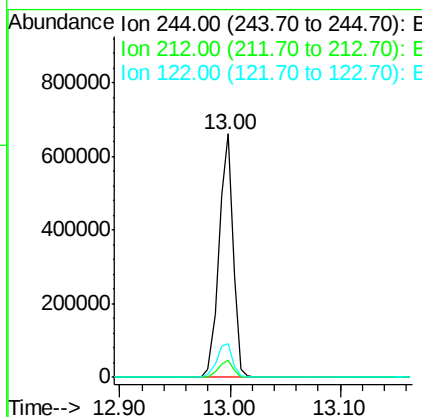
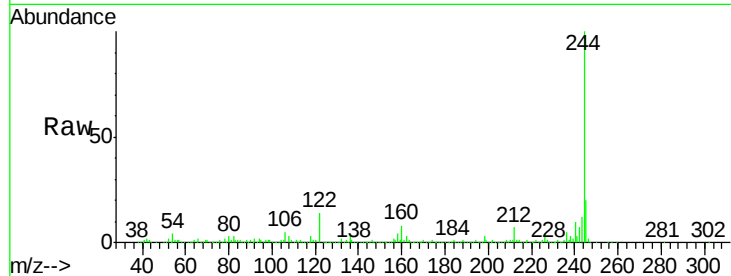
#78
 Terphenyl-d14
 Concen: 67.317 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF103385.D
 Acq: 3 Mar 2018 00:07

Instrument :
 BNA_F
 ClientSampled :
 SP-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.8	11.0	16.4

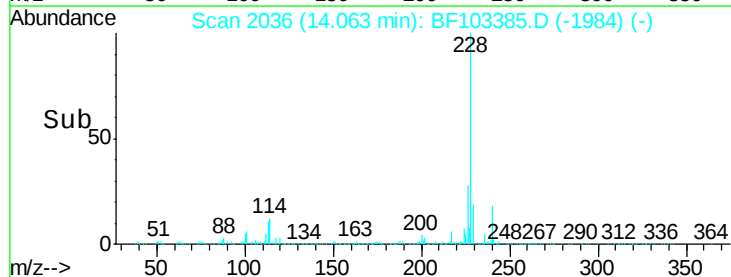
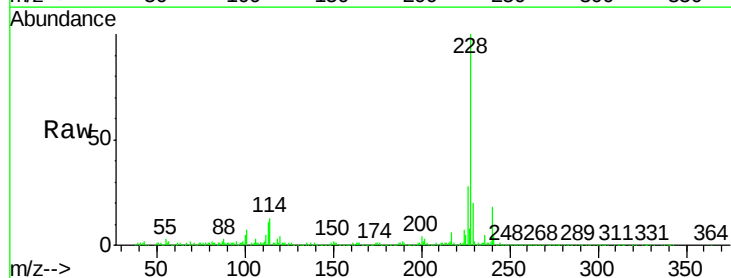
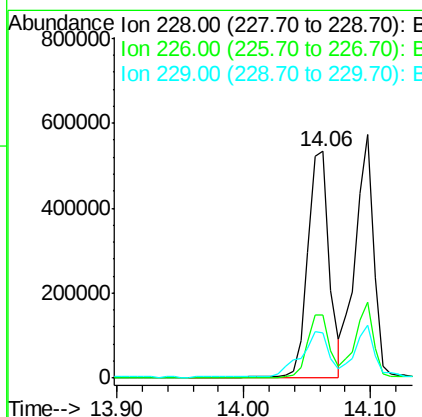
Manual Integrations
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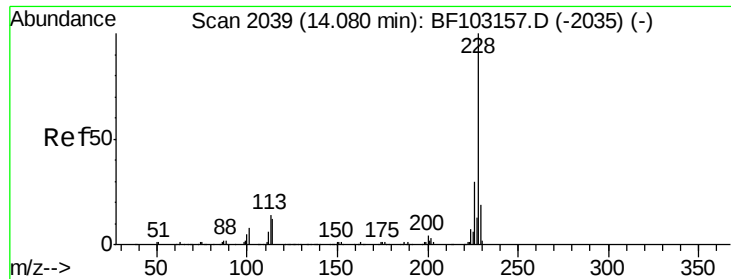
Sohil
 3/5/2018 3:14:03 PM



#80
 Benzo(a)anthracene
 Concen: 45.812 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF103385.D
 Acq: 3 Mar 2018 00:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 43.565 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Instrument :

BNA_F

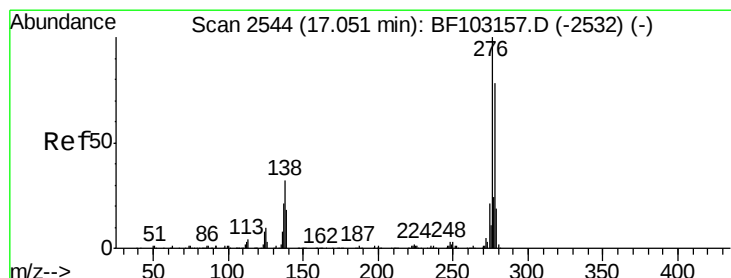
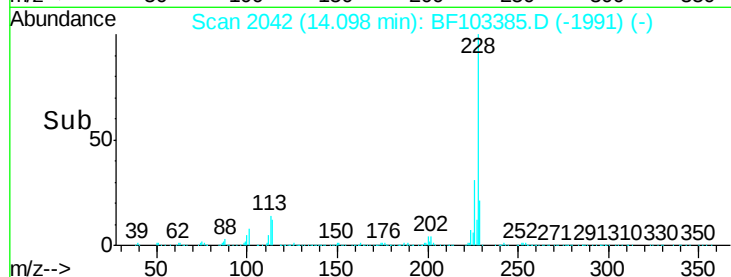
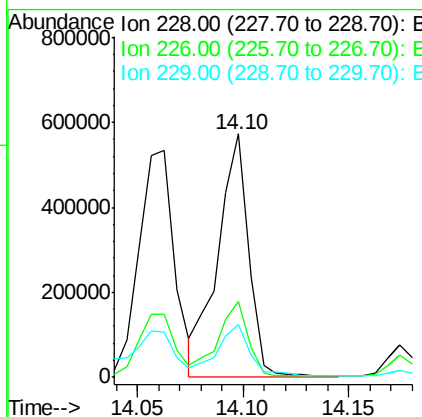
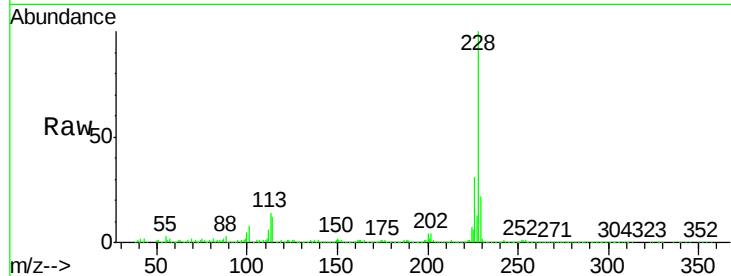
ClientSampled :

SP-8

Tot Ion:	228	Resp:	578249
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.0	16.2	24.4

Manual Integrations
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Sohil
3/5/2018 3:14:03 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 16.547 ng

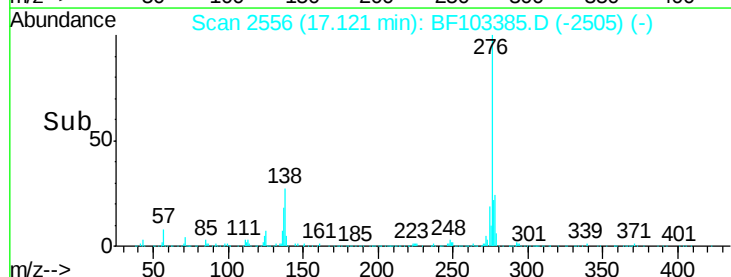
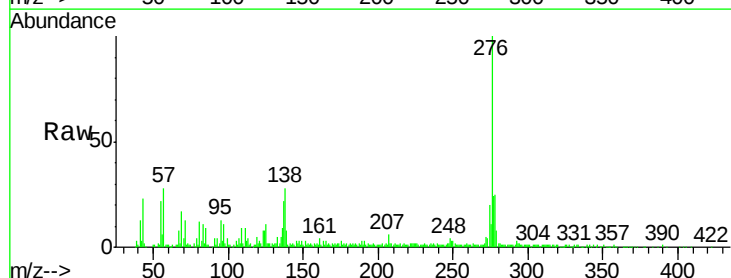
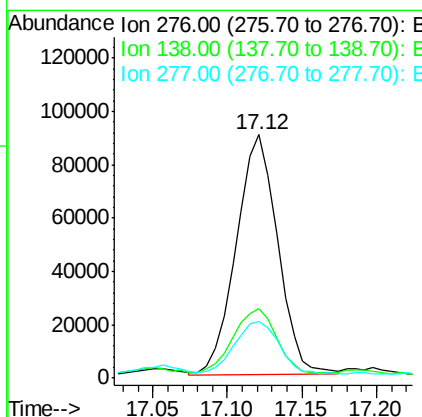
RT: 17.12 min Scan# 2556

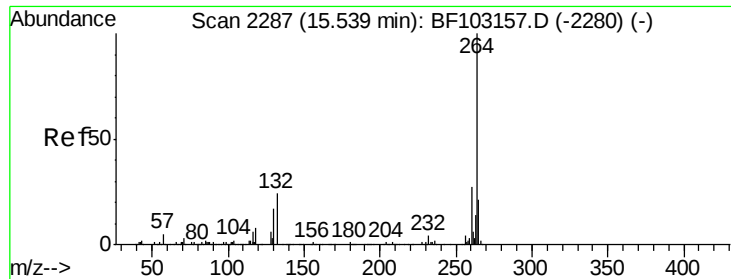
Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Tgt Ion:	276	Resp:	173878
Ion Ratio	Lower	Upper	
276	100		
138	29.1	25.0	37.6
277	24.0	20.1	30.1





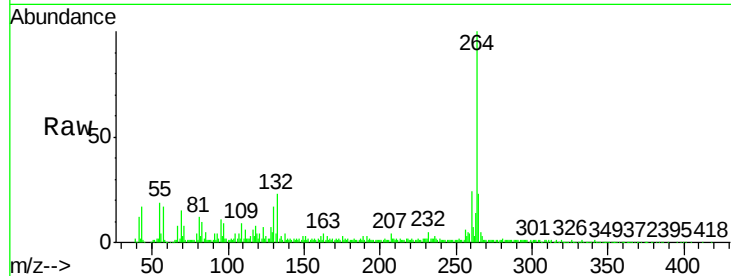
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Instrument :
BNA_F
ClientSampled :
SP-8

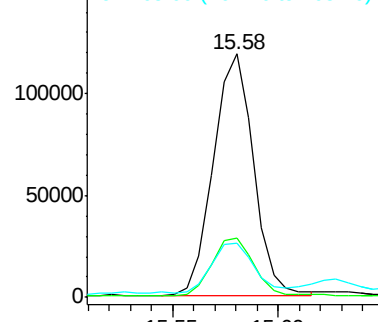
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.5	17.5	26.3

Manual Integrations
APPROVED

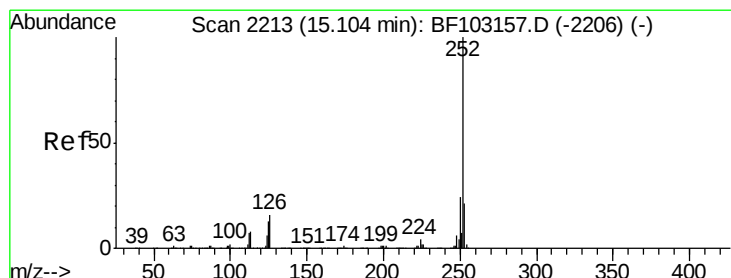
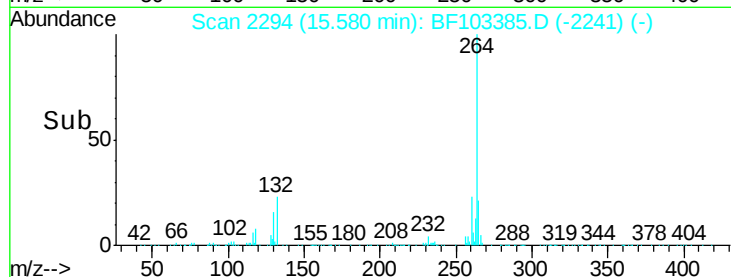
Sohil
3/5/2018 3:14:03 PM



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

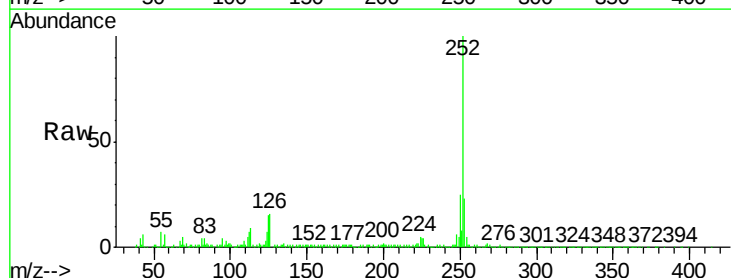


Time-->

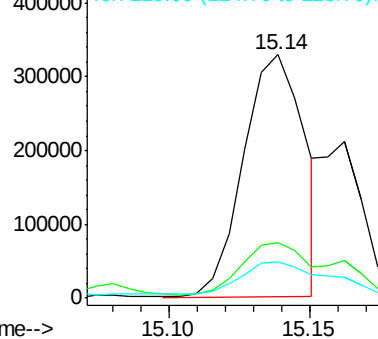


#87
Benzo(b)fluoranthene
Concen: 48.318 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

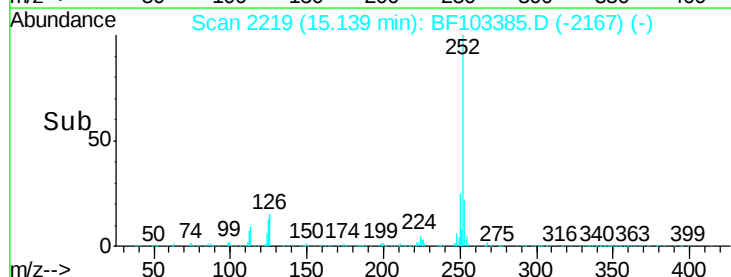
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	15.0	9.0	13.6

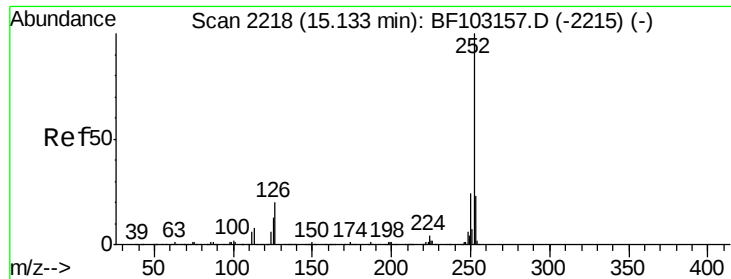


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





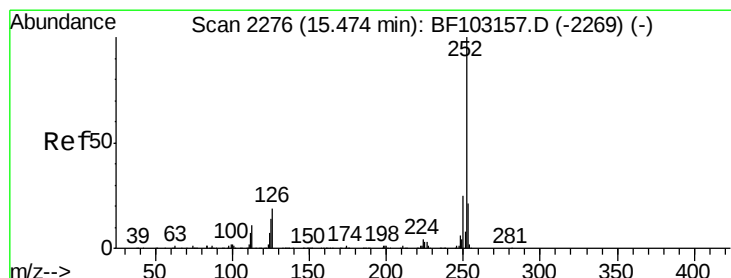
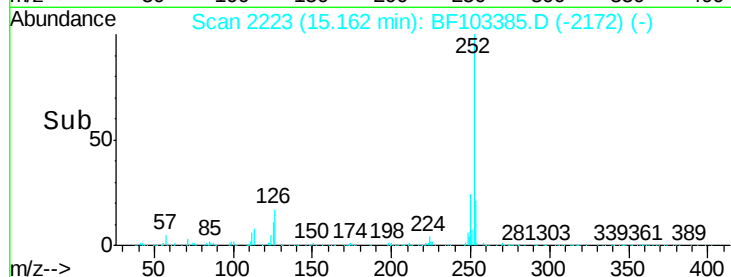
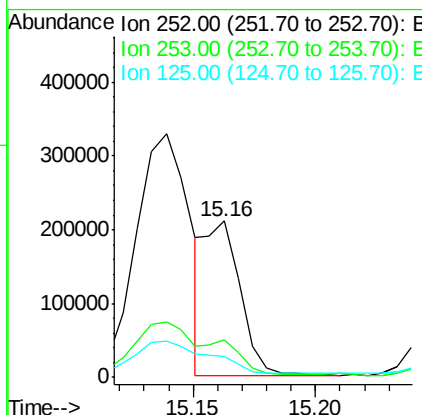
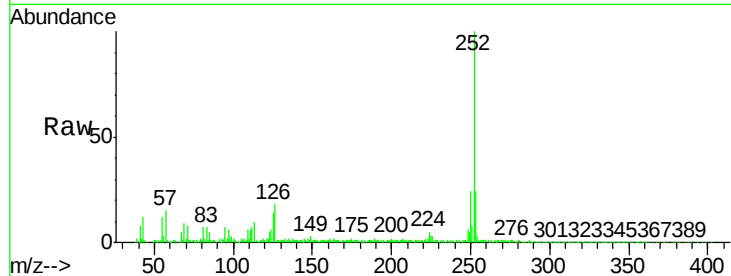
#88
Benzo(k)fluoranthene
Concen: 21.763 ng/mL
RT: 15.16 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

Instrument :
BNA_F
ClientSampled :
SP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	13.7	10.2	15.2

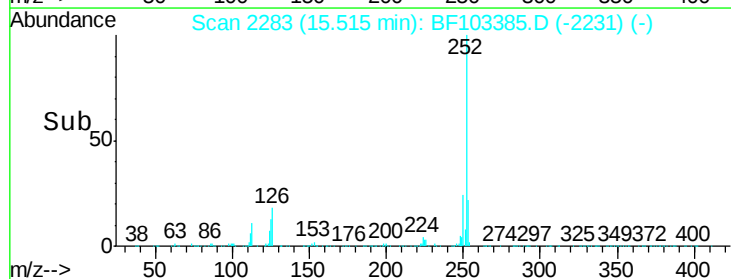
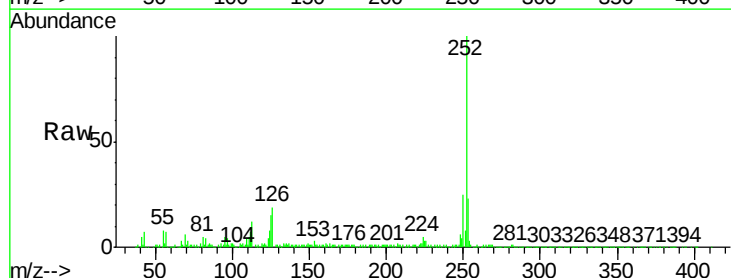
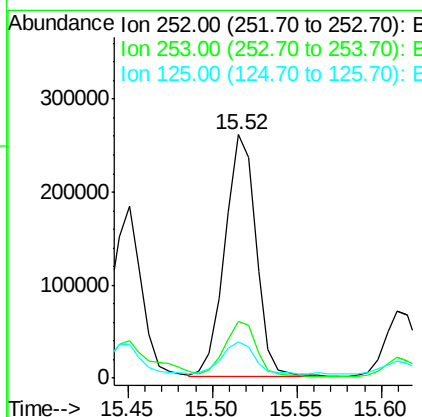
Manual Integrations
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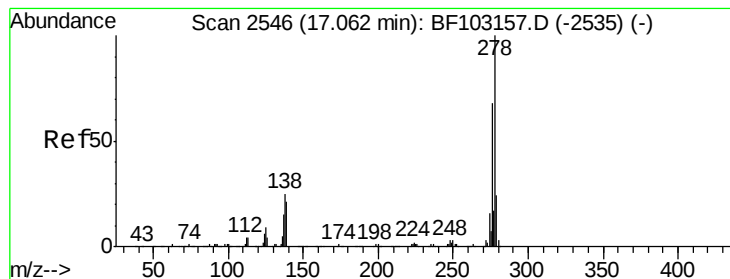
Sohil
3/5/2018 3:14:03 PM



#89
Benzo(a)pyrene
Concen: 36.438 ng/mL
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103385.D
Acq: 3 Mar 2018 00:07

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: 6.936 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Instrument :

BNA_F

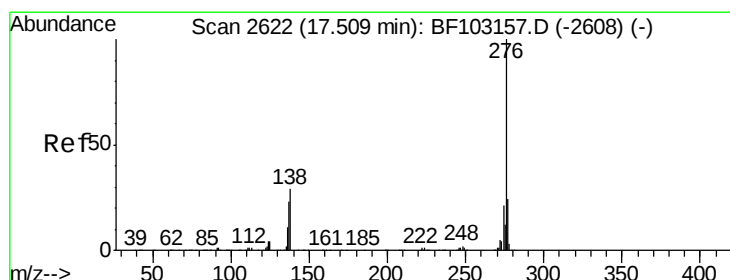
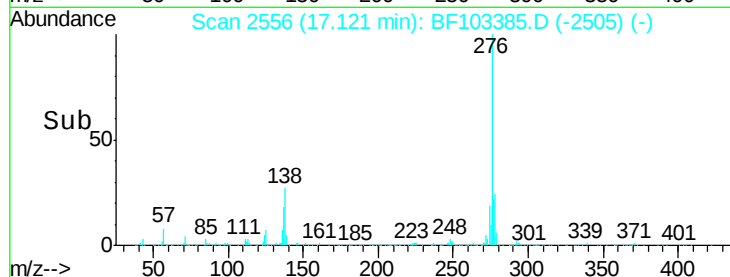
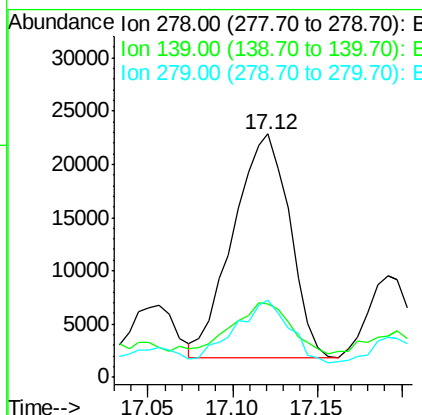
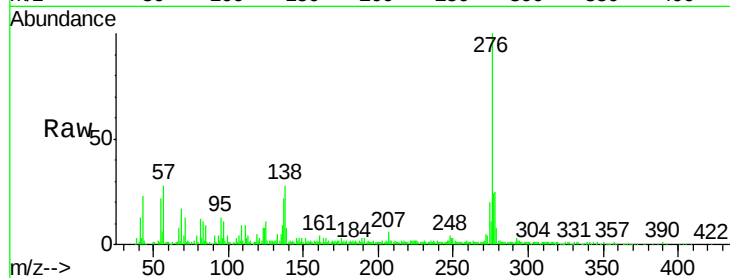
ClientSampleId :

SP-8

Tot Ion:	278	Resp:	49187
Ion Ratio	Lower	Upper	
278	100		
139	30.2	15.9	23.9#
279	31.7	19.0	28.4#

Manual Integrations
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3/5/2018 3:14:03 PM



#91

Benzo(g,h,i)perylene

Concen: 22.909 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BF103385.D

Acq: 3 Mar 2018 00:07

Tgt Ion:	276	Resp:	158767
Ion Ratio	Lower	Upper	
276	100		
277	25.3	17.9	26.9
138	27.9	21.8	32.8

