

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104097.D
 Acq On : 30 Mar 2018 17:20
 Operator : JU/SJ
 Sample : J2139-10DL 100X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-1DL

Manual Integrations
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Quant Time: Mar 30 17:54:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	112758	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	511666	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	241920	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	422790	20.00	ng	0.00
75) Chrysene-d12	14.14	240	306366	20.00	ng	0.00
86) Perylene-d12	15.68	264	242706	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.69	112	107	0.02	ng	0.11
7) Phenol-d6	6.67	99	6234m	0.72	ng	0.08
23) Nitrobenzene-d5	7.54	82	2354	0.28	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	1644	0.61	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	10931	0.71	ng	0.00
78) Terphenyl-d14	13.07	244	12313	0.93	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.26	128	1655273	66.220	ng	99
37) 2-Methylnaphthalene	8.95	142	334023	20.286	ng	99
45) 1,1'-Biphenyl	9.42	154	83415	4.017	ng	96
48) Acenaphthylene	9.86	152	294022	11.850	ng	99
51) Acenaphthene	10.03	154	81916	5.707	ng	99
54) Dibenzofuran	10.20	168	205904	9.823	ng	98
57) Fluorene	10.55	166	304581	17.616	ng	100
70) Phenanthrene	11.52	178	1202957	52.553	ng	99
71) Anthracene	11.57	178	486945	20.366	ng	98
72) Carbazole	11.73	167	103505	4.536	ng	99
74) Fluoranthene	12.71	202	872274	35.850	ng	99
77) Pylene	12.94	202	805021	36.553	ng	100
80) Benzo(a)anthracene	14.13	228	321421	16.767	ng	93
82) Chrysene	14.17	228	256159	13.643	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	89362	4.593	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	187033m	12.662	ng	
88) Benzo(k)fluoranthene	15.24	252	120943m	8.692	ng	
89) Benzo(a)pyrene	15.62	252	187759	13.717	ng	97
91) Benzo(a,h,i)perylene	17.74	276	85258	6.726	ng	94

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

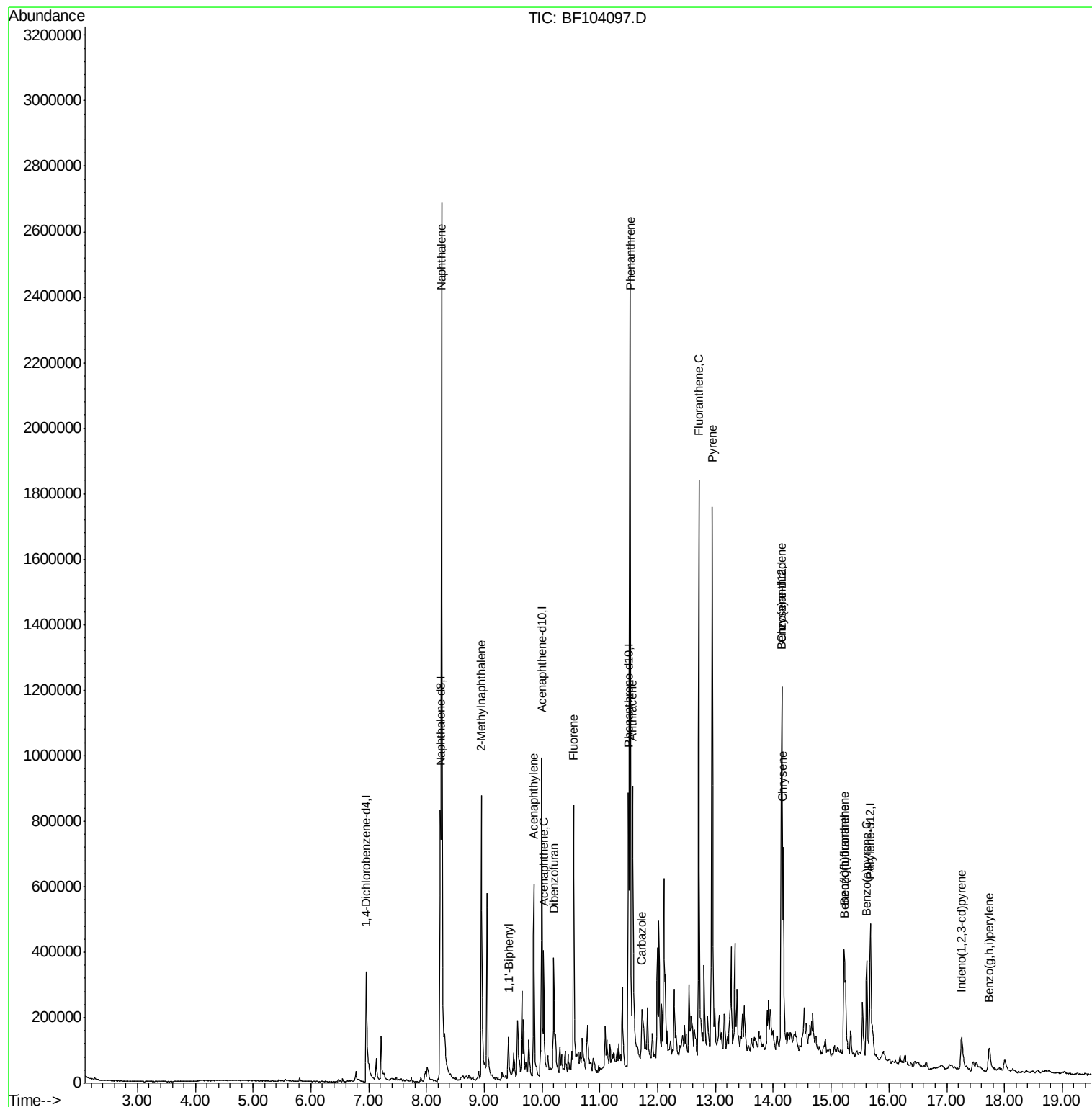
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104097.D
Acq On : 30 Mar 2018 17:20
Operator : JU/SJ
Sample : J2139-10DL 100X
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ALS Vial : 6 Sample Multiplier: 1

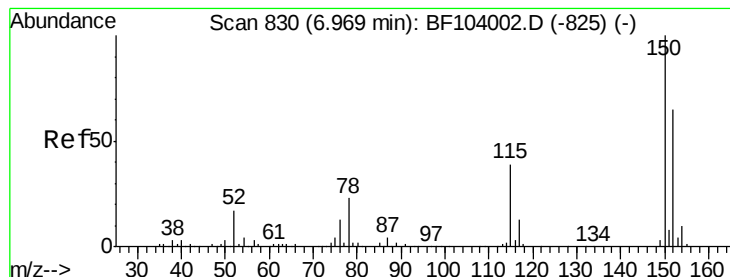
Instrument :
BNA_F
ClientSampleId :
PAD-1DL

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Quant Time: Mar 30 17:54:06 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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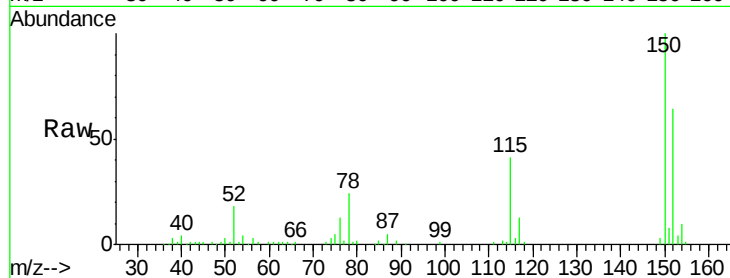
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PAD-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	63.8	50.1	75.1

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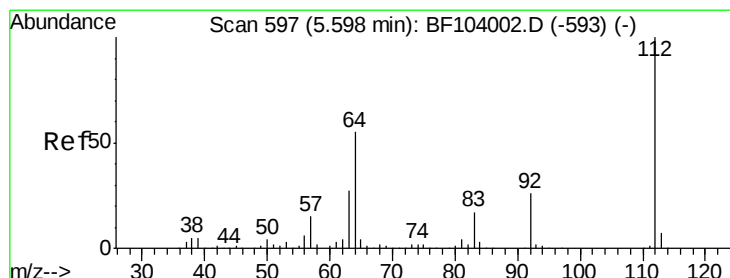
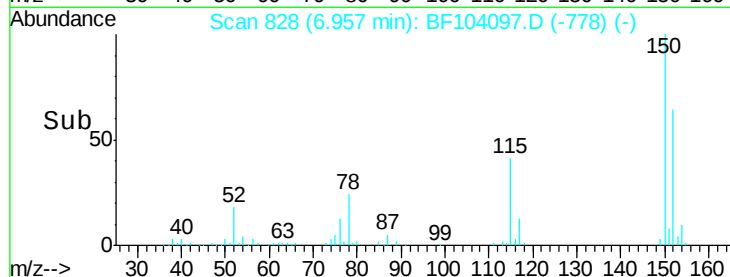
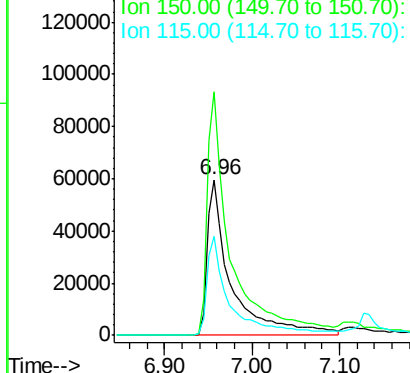


Abundance

Ion 152.00 (151.70 to 152.70): E

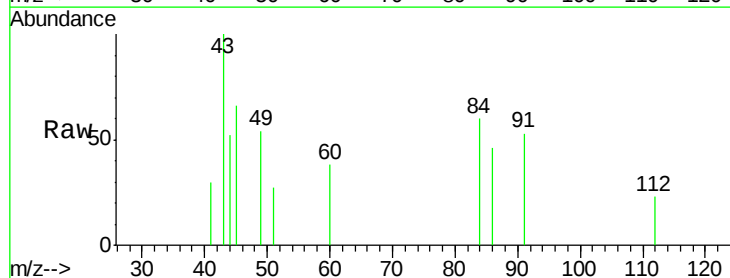
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.015 ng
 RT: 5.69 min Scan# 612
 Delta R.T. 0.11 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#

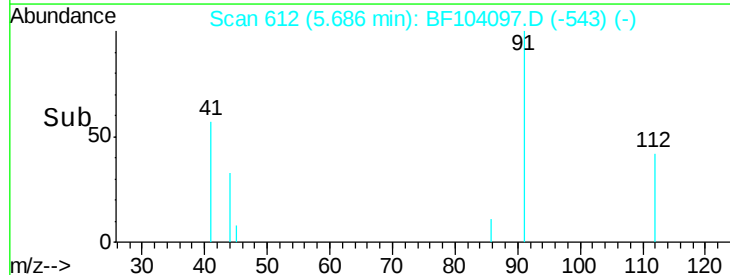
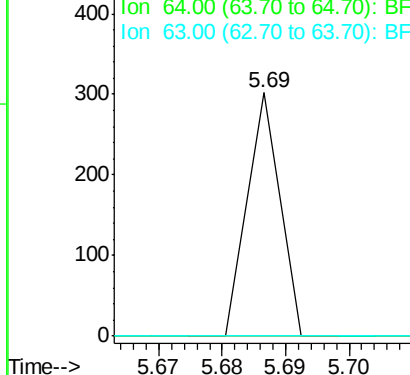


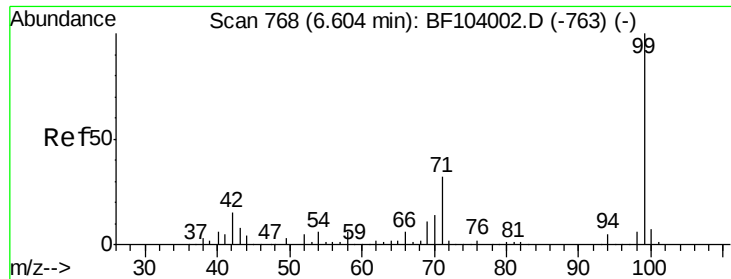
Abundance

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

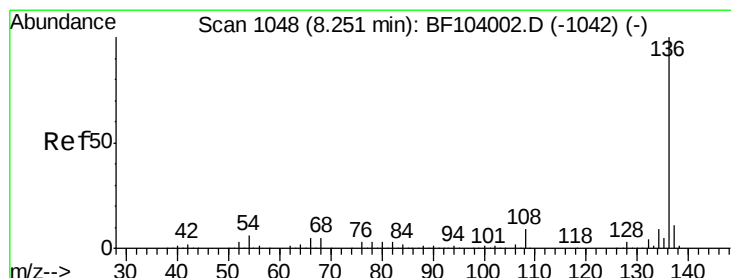
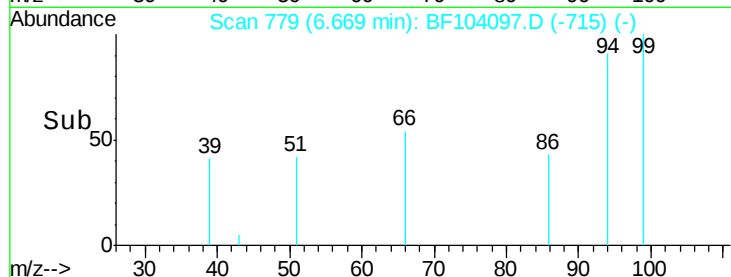
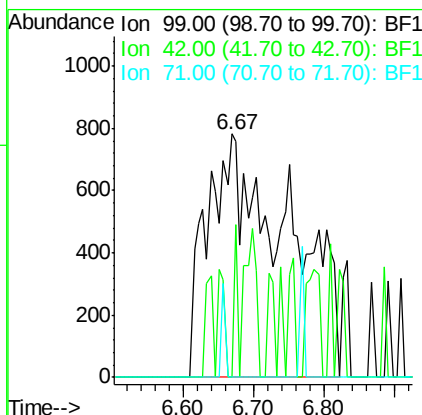
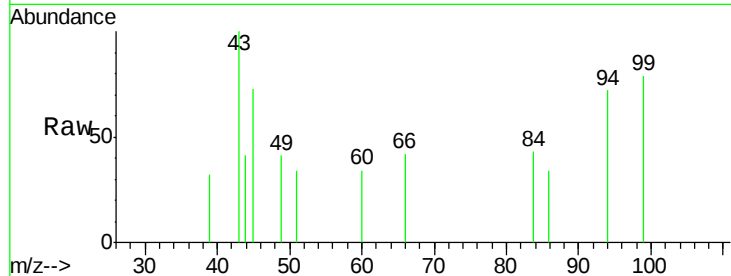
Concen: 0.717 ng/mL
 RT: 6.67 min Scan# 779
 Delta R.T. 0.08 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampleID :
 PAD-1DL

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	0.0	14.5	21.7#	
71	0.0	25.4	38.0#	

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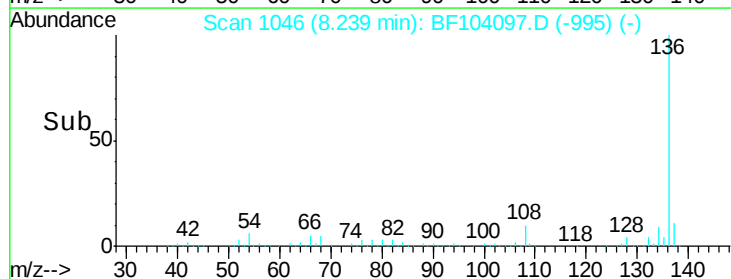
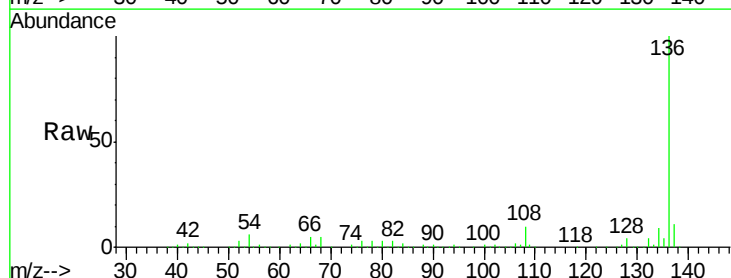
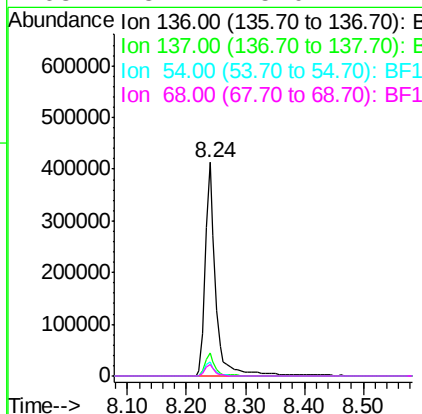


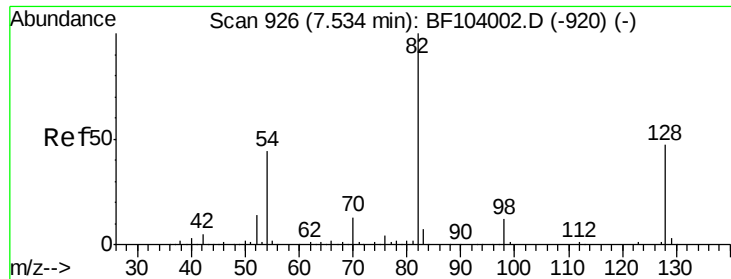
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.24 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	6.3	6.6	9.8#	
68	5.4	5.0	7.4	





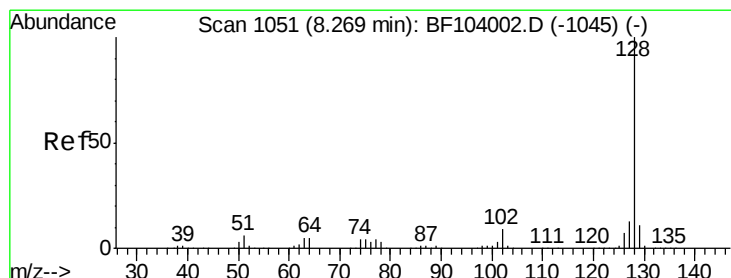
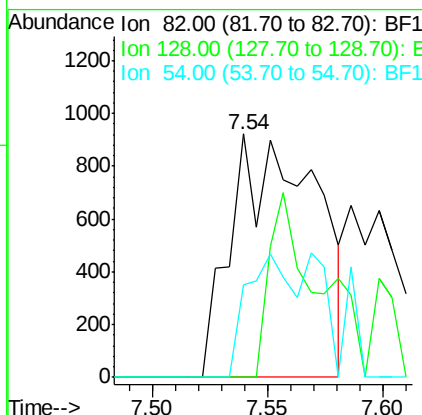
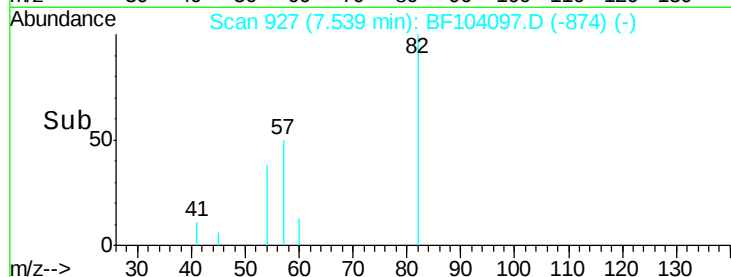
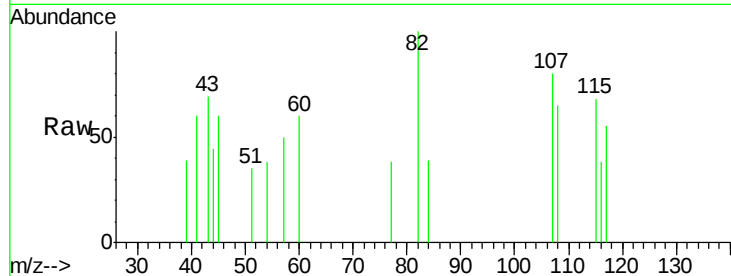
#23
 Nitrobenzene-d5
 Concen: 0.281 ng
 RT: 7.54 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampled :
 PAD-1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	37.8	41.4	62.2#

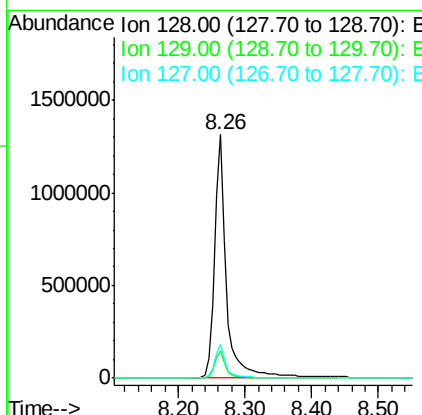
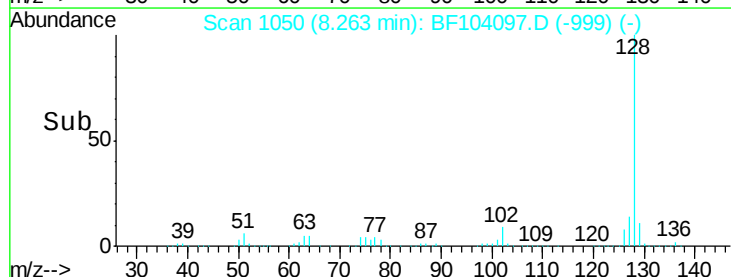
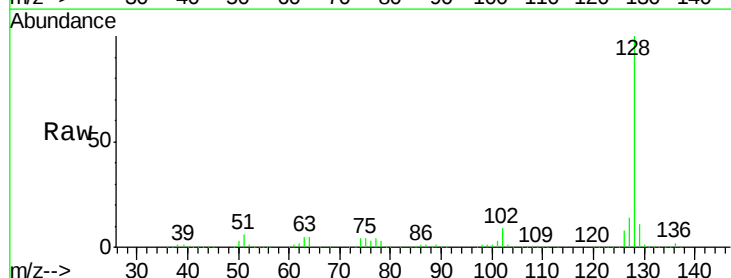
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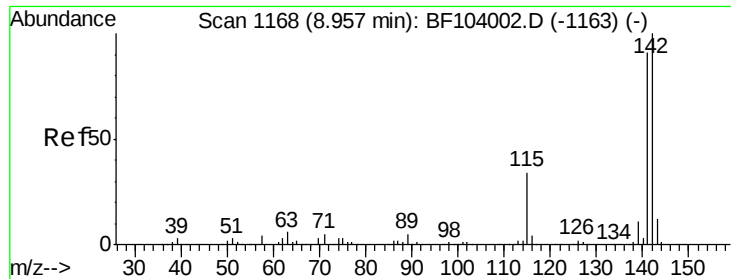
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#31
 Naphthalene
 Concen: 66.220 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.8	10.9	16.3





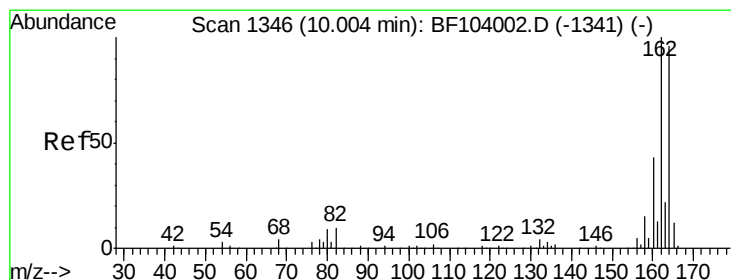
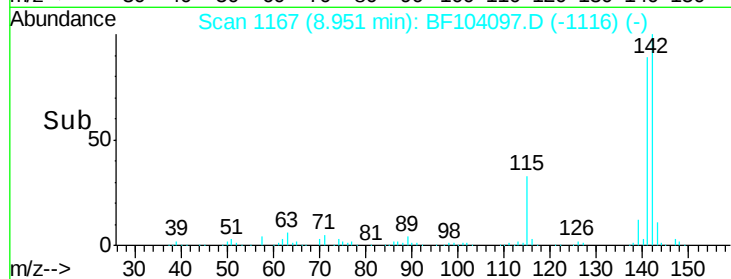
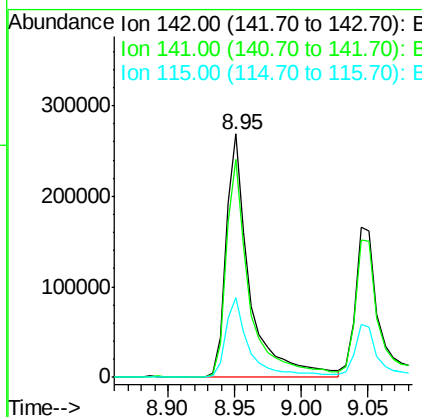
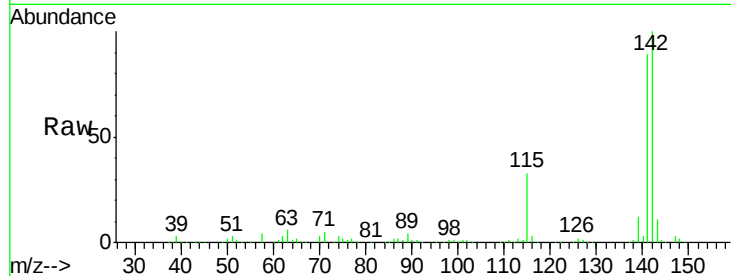
#37
2-Methylnaphthalene
Concen: 20.286 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF104097.D
Acq: 30 Mar 2018 17:20

Instrument :
BNA_F
ClientSampleId :
PAD-1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	33.0	26.1	39.1

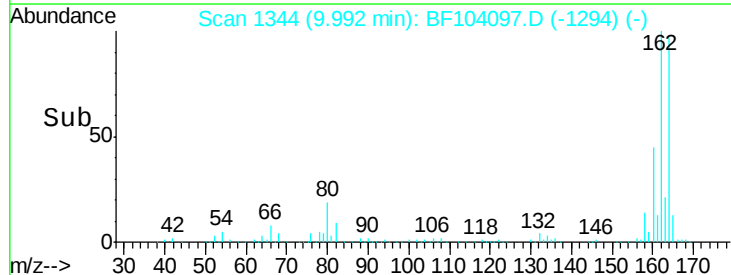
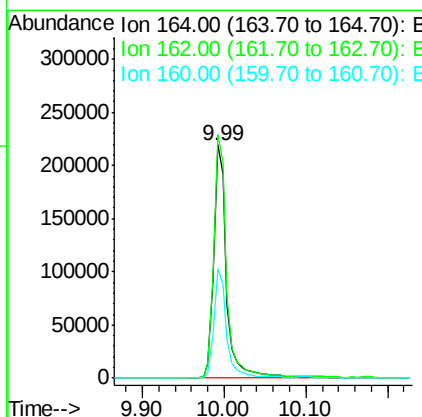
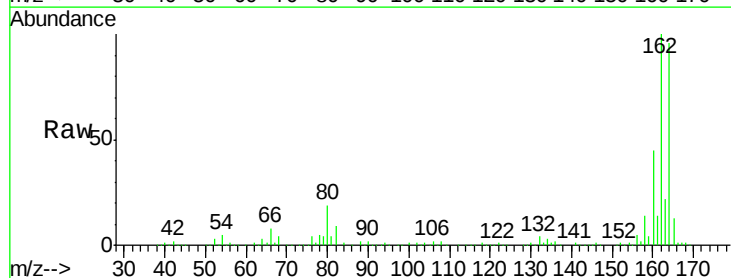
Manual Integrations
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104097.D
Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.9	38.3	57.5





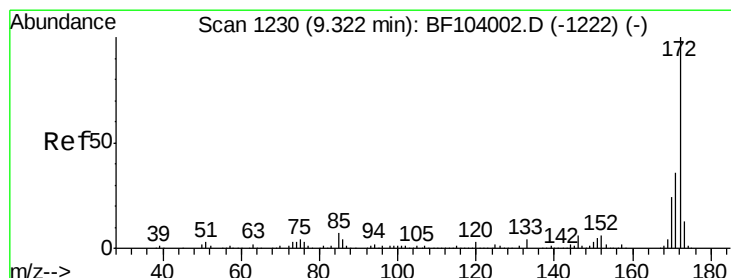
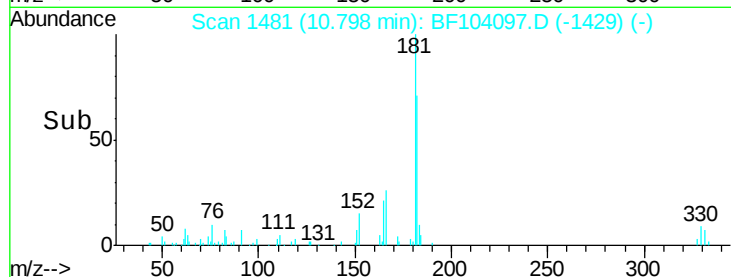
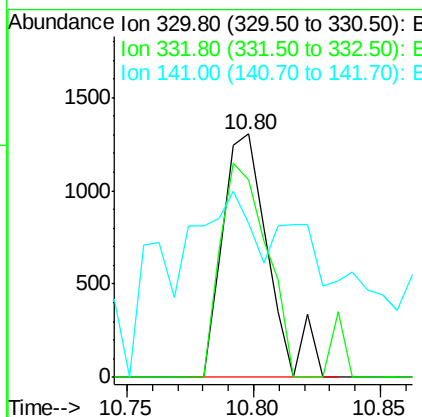
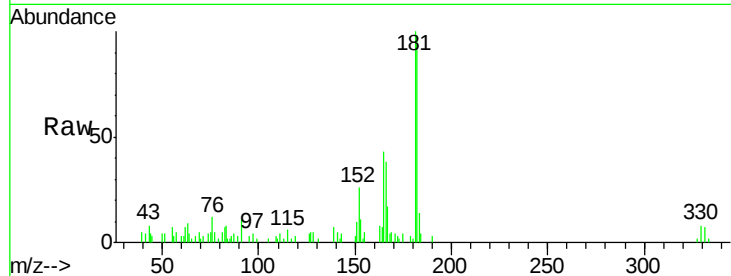
#41
 2,4,6-Tribromophenol
 Concen: 0.610 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampled :
 PAD-1DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	89.1	77.0	115.6
141	64.7	29.9	44.9

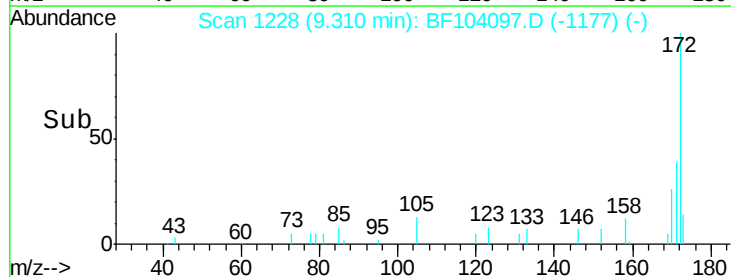
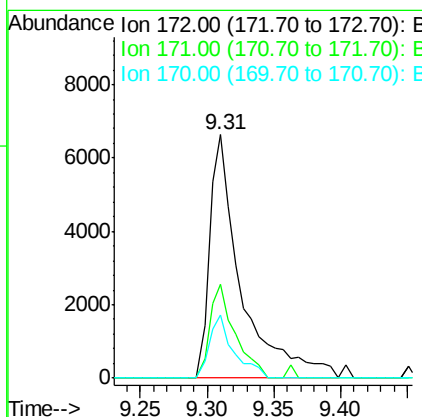
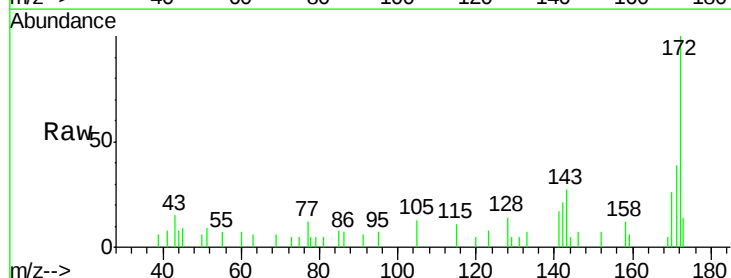
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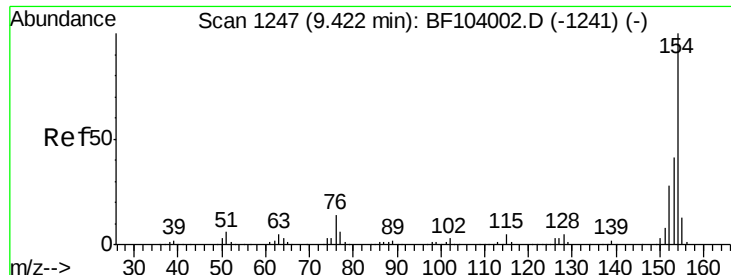
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#44
 2-Fluorobiphenyl
 Concen: 0.713 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.7	44.5
170	26.1	19.6	29.4





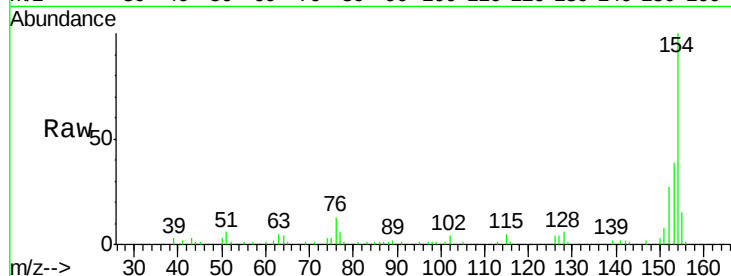
#45
 1,1'-Biphenyl
 Concen: 4.017 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PAD-1DL

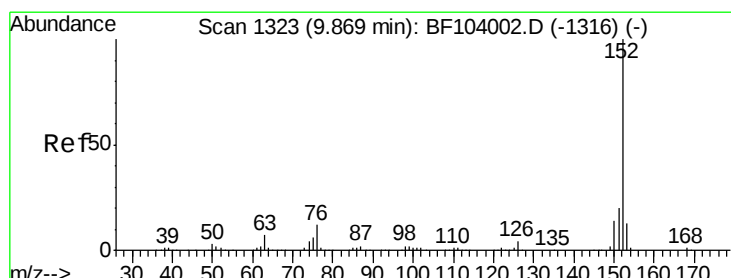
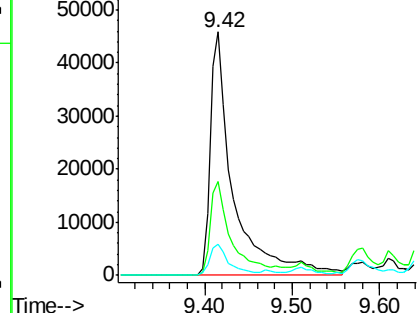
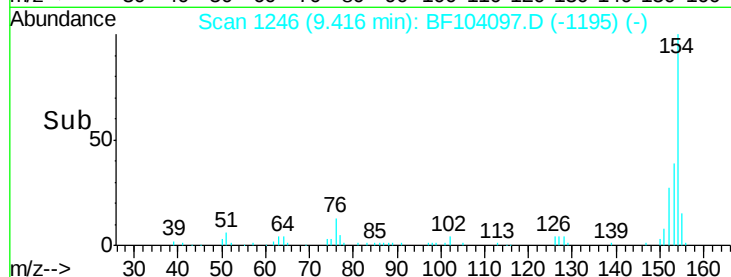
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.7	21.3	61.3
76	12.9	0.0	34.0

Manual Integrations
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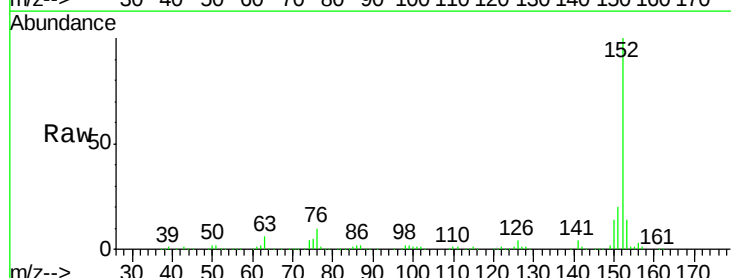


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

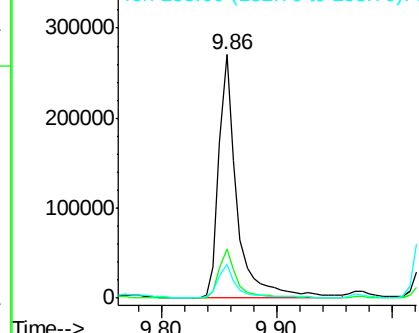
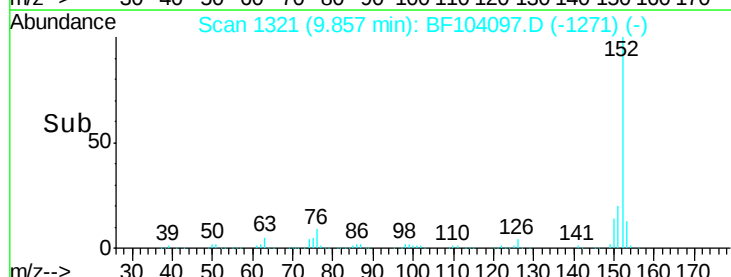


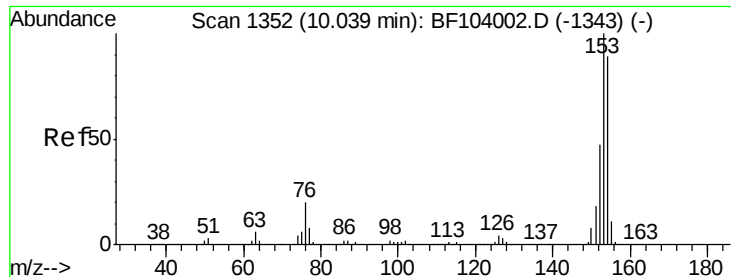
#48
 Acenaphthylene
 Concen: 11.850 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.7	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 5.707 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

Instrument :

BNA_F

ClientSampleId :

PAD-1DL

Tot Ion:154 Resp: 81916

Ion Ratio Lower Upper

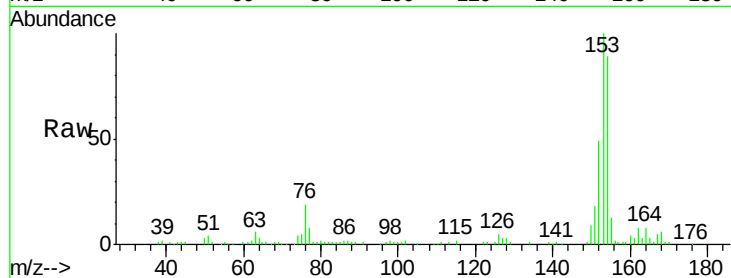
154 100

153 112.5 91.2 136.8

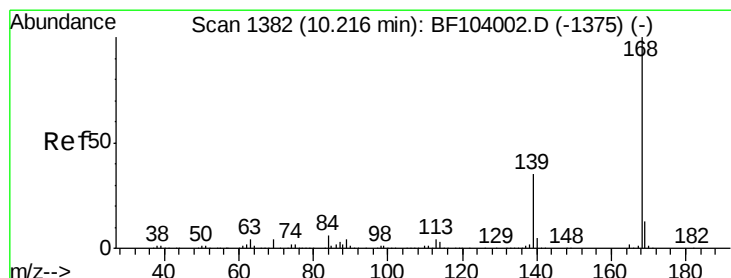
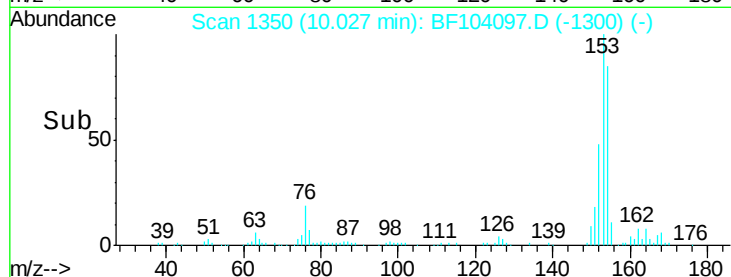
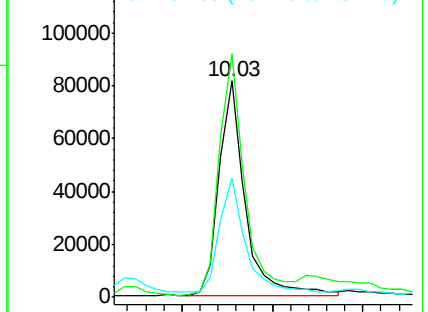
152 55.3 43.8 65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.823 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

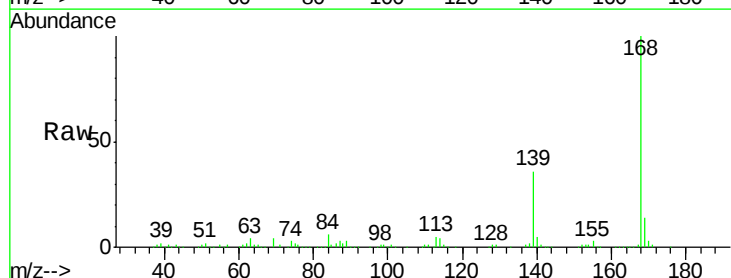
Tgt Ion:168 Resp: 205904

Ion Ratio Lower Upper

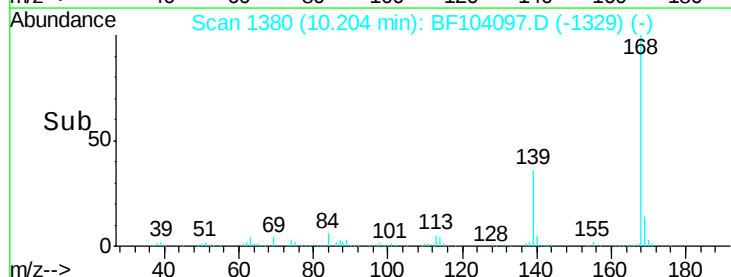
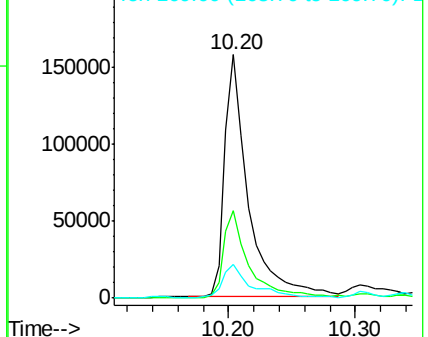
168 100

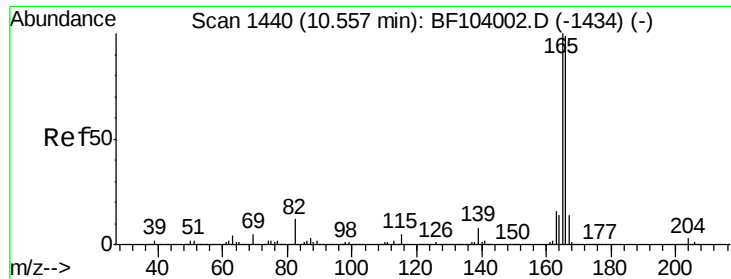
139 36.1 30.1 45.1

169 13.8 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





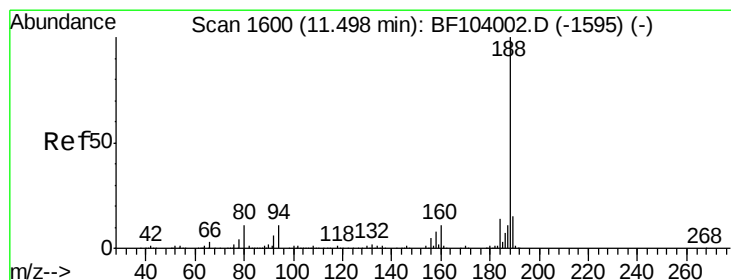
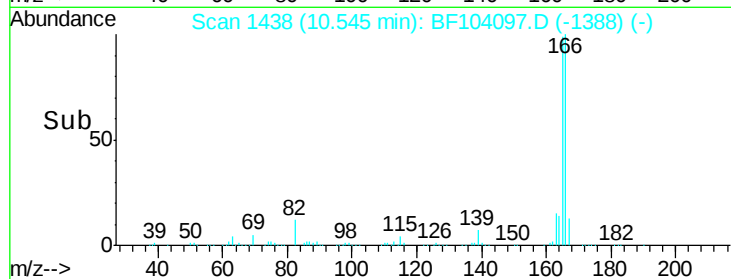
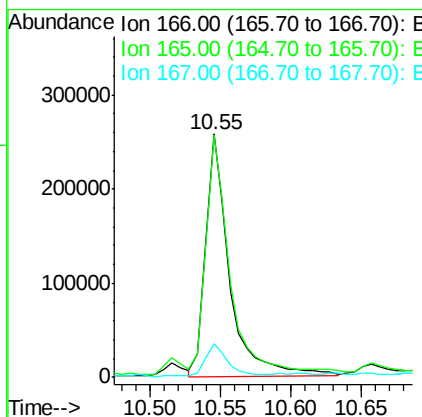
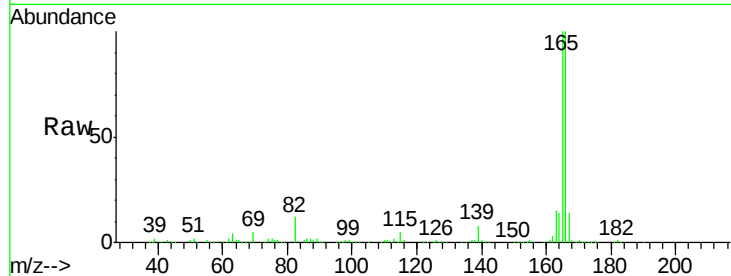
#57
Fluorene
 Concen: 17.616 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PAD-1DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	13.9	10.6	16.0

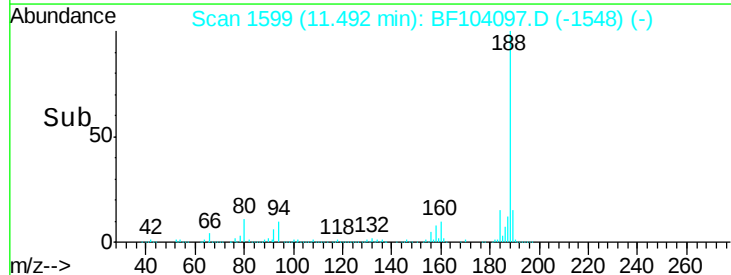
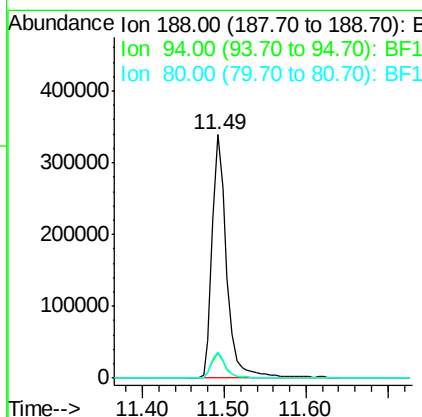
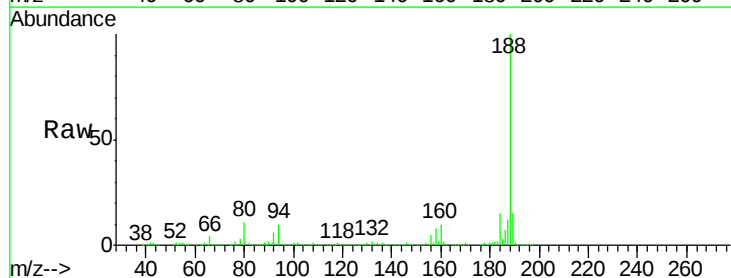
Manual Integrations
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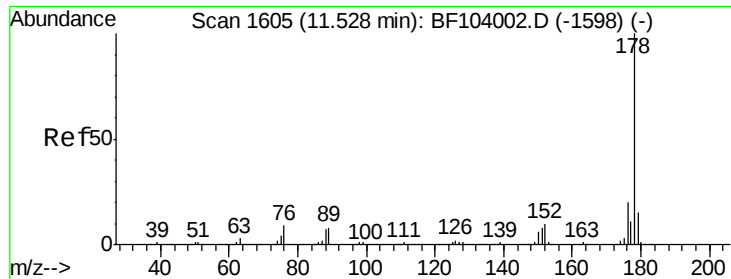
Sohil
 4/2/2018 5:05:39 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.6	9.2	13.8





#70

Phenanthrene

Concen: 52.553 ng

RT: 11.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

Instrument :

BNA_F

ClientSampled :

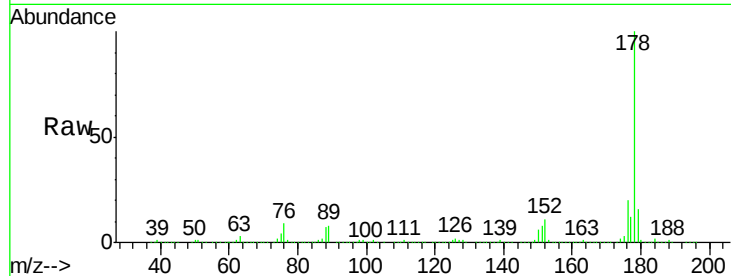
PAD-1DL

Tot Ion:178 Resp: 1202957

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6

Manual Integrations
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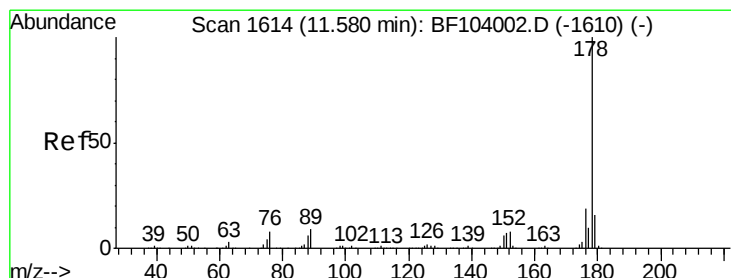
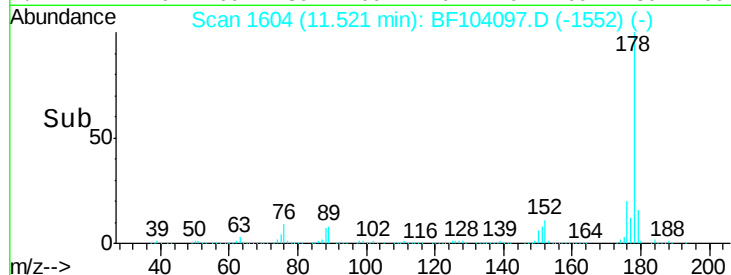
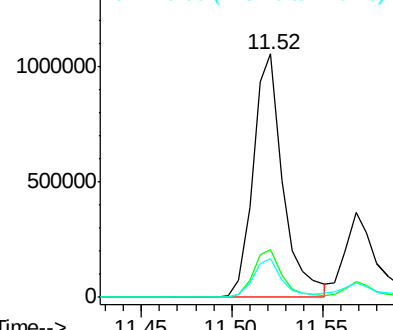
Sohil
4/2/2018 5:05:39 PM



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



#71

Anthracene

Concen: 20.366 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

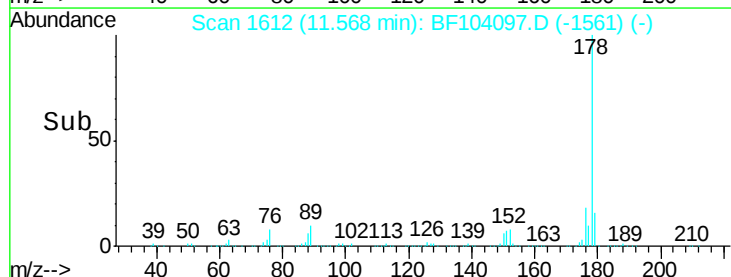
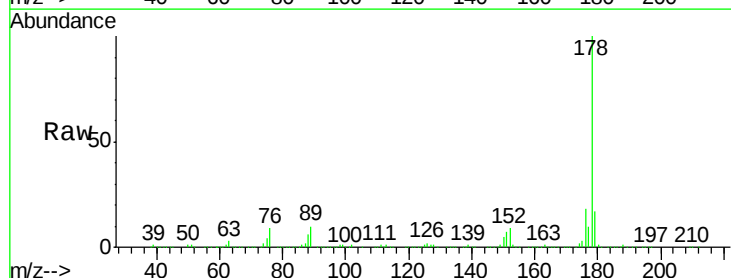
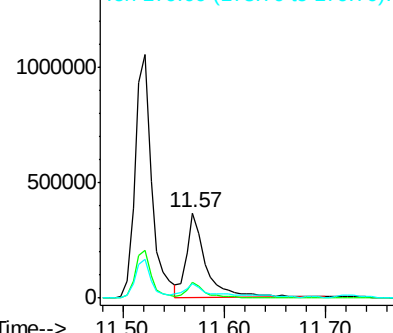
Tgt Ion:178 Resp: 486945

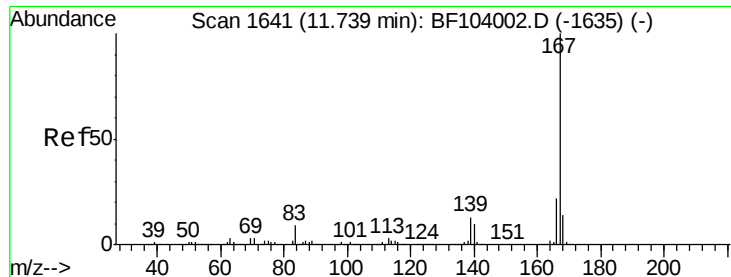
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.7	12.6	19.0

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





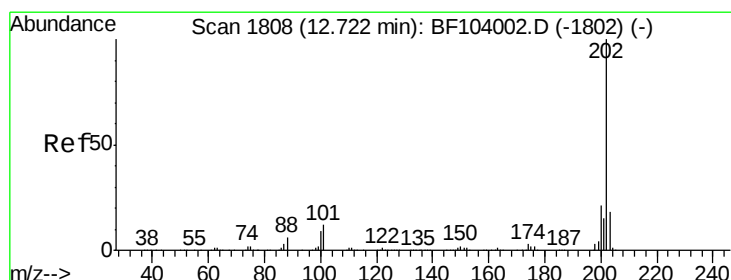
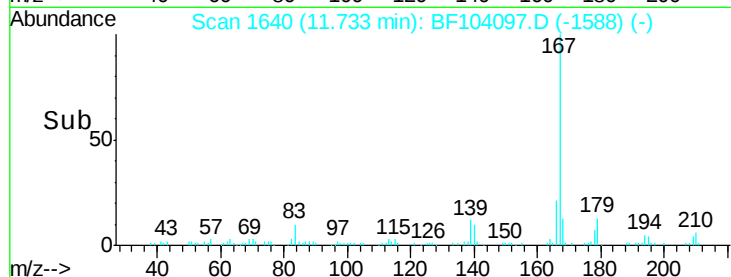
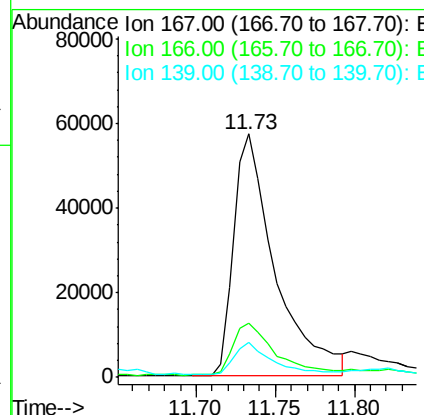
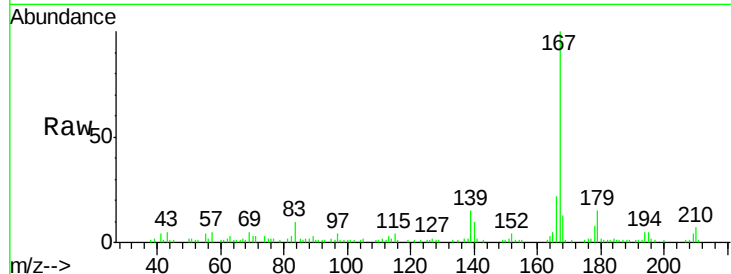
#72
 Carbazole
 Concen: 4.536 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. 0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PAD-1DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	14.6	10.9	16.3

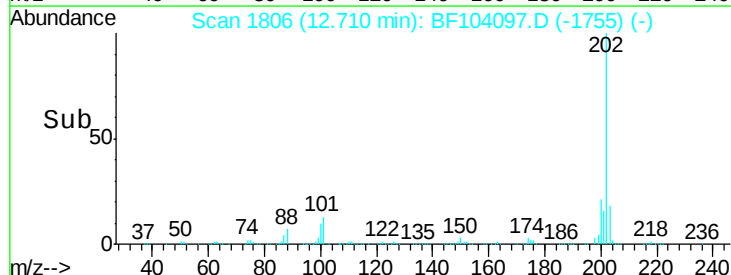
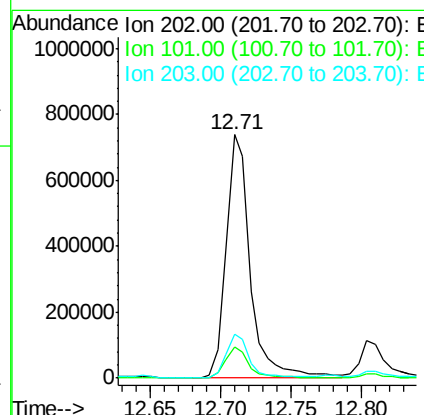
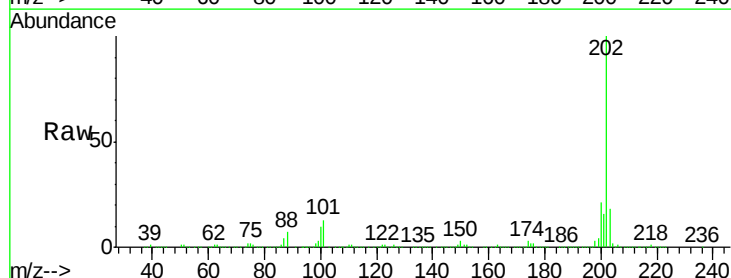
Manual Integrations
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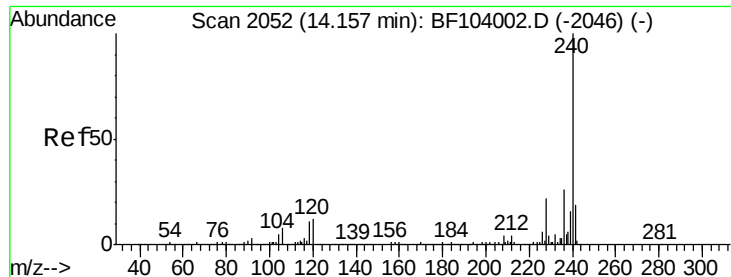
Sohil
 4/2/2018 5:05:39 PM



#74
 Fluoranthene
 Concen: 35.850 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

Instrument :

BNA_F

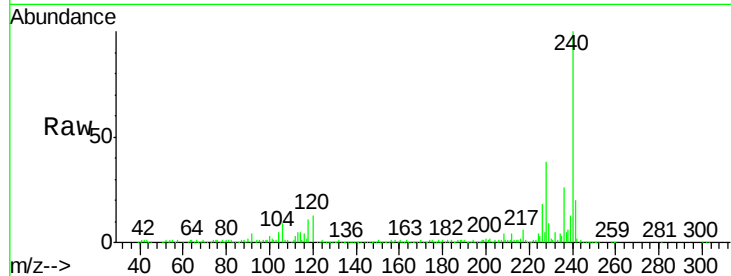
ClientSampleId :

PAD-1DL

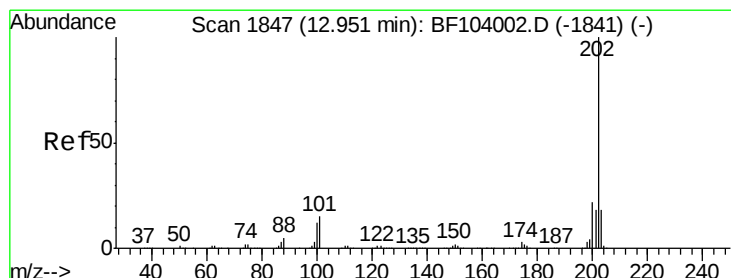
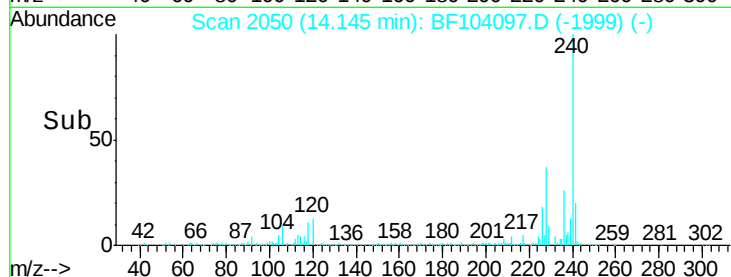
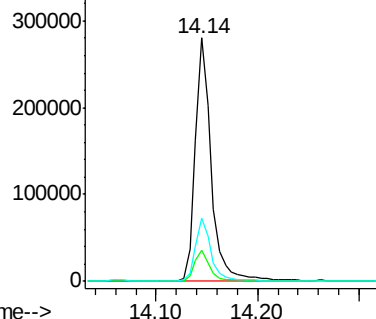
Tot Ion:	240	Resp:	306366
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
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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: 36.553 ng

RT: 12.94 min Scan# 1846

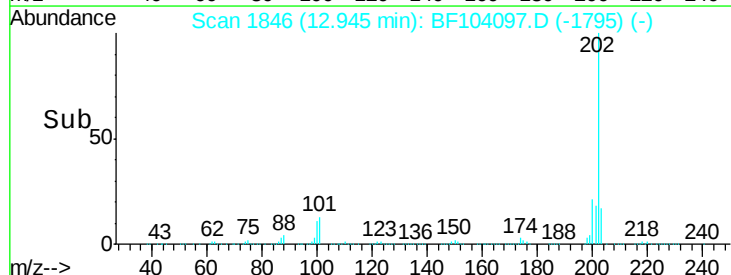
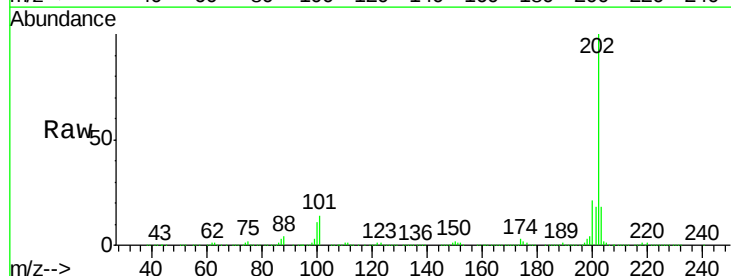
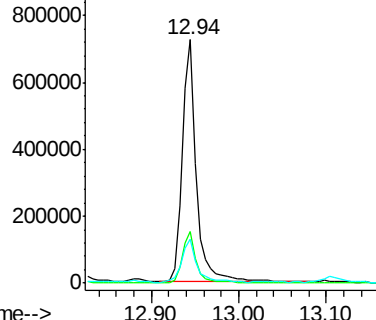
Delta R.T. 0.00 min

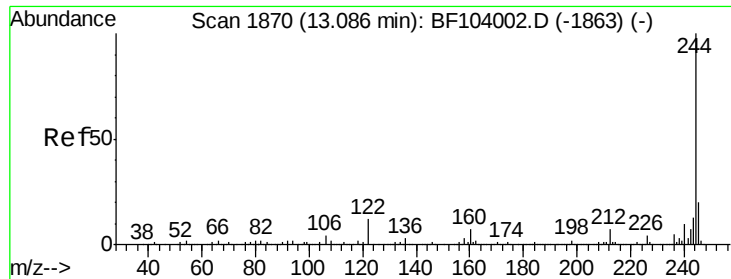
Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

Tgt Ion:	202	Resp:	805021
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.0	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





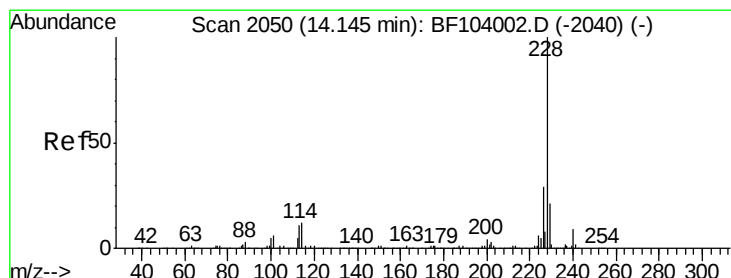
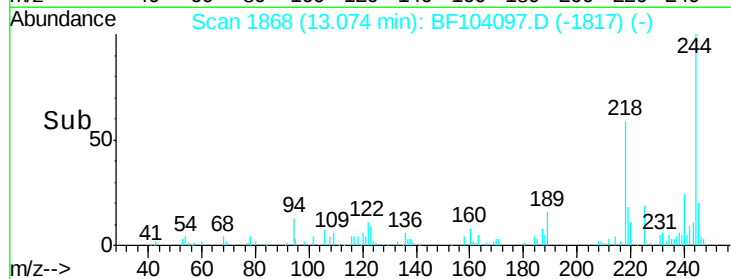
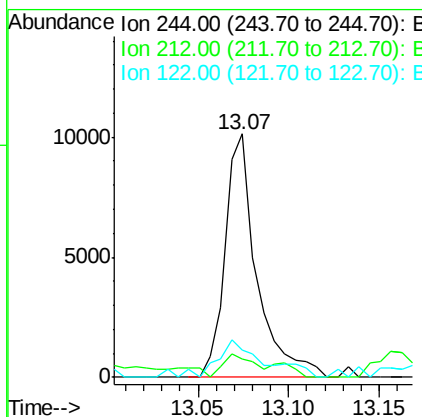
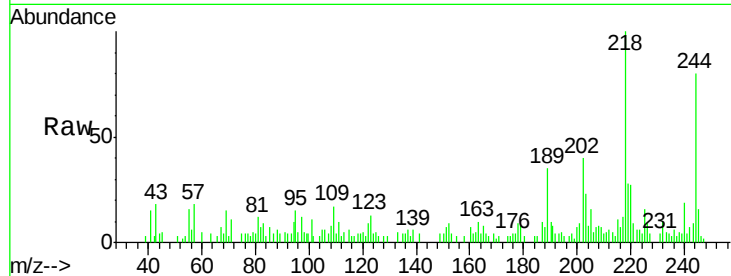
#78
 Terphenyl-d14
 Concen: 0.928 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampled :
 PAD-1DL

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

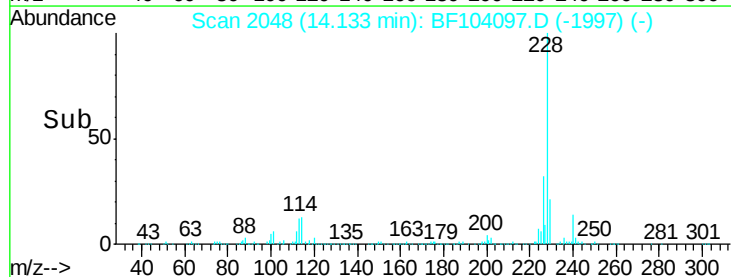
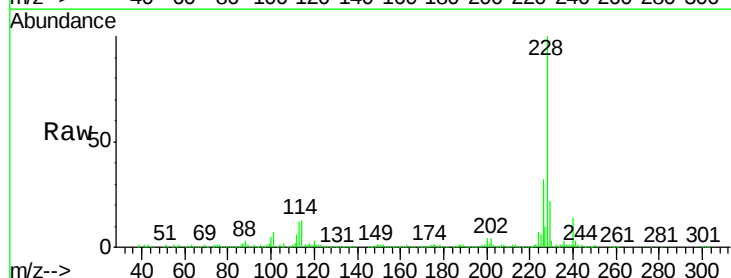
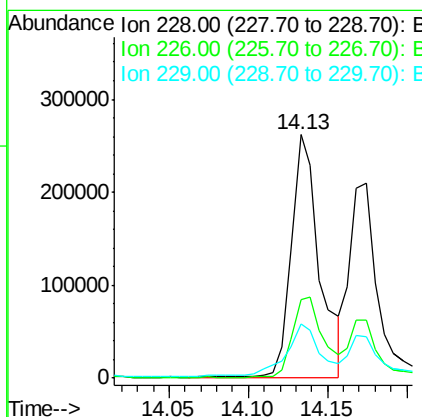
Manual Integrations
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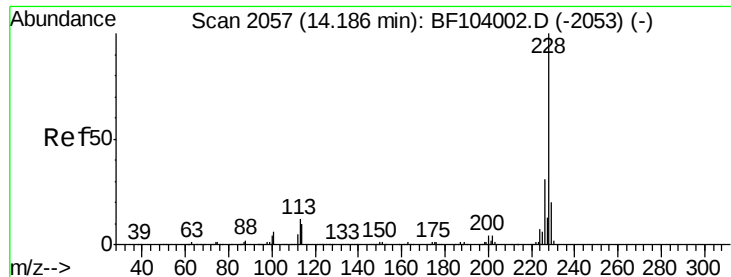
Sohil
 4/2/2018 5:05:39 PM



#80
 Benzo(a)anthracene
 Concen: 16.767 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	22.5	15.8	23.6





#82

Chrysene

Concen: 13.643 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

Instrument :

BNA_F

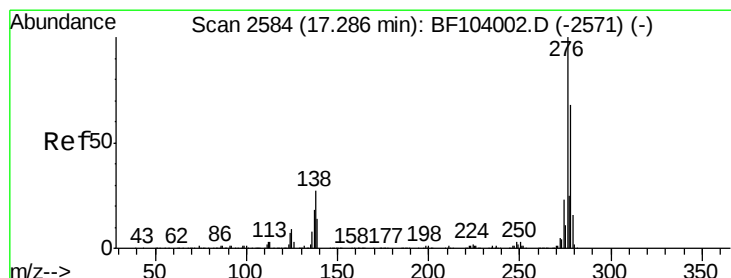
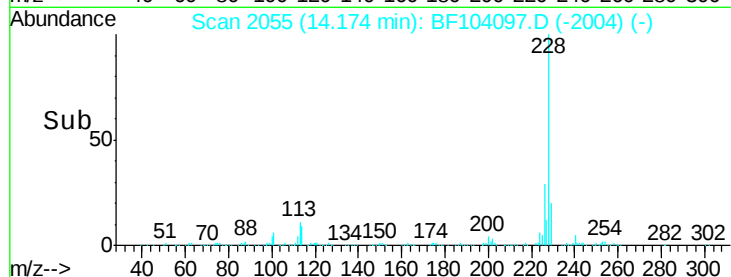
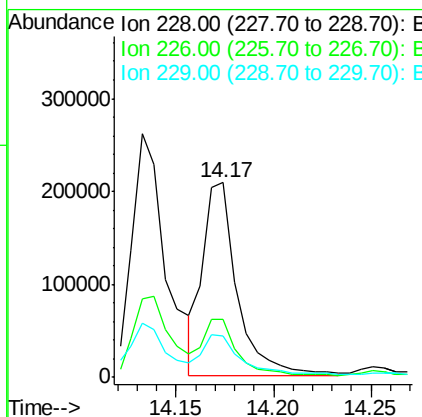
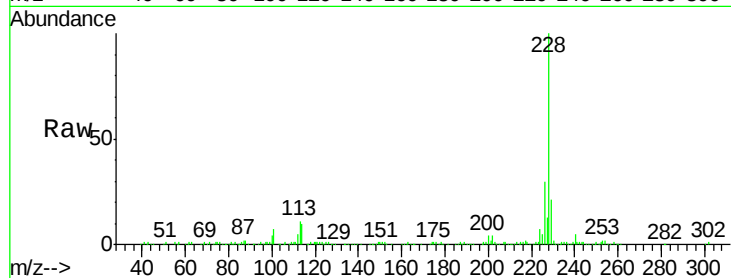
ClientSampleId :

PAD-1DL

Tot Ion:	228	Resp:	256159
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	21.3	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.593 ng

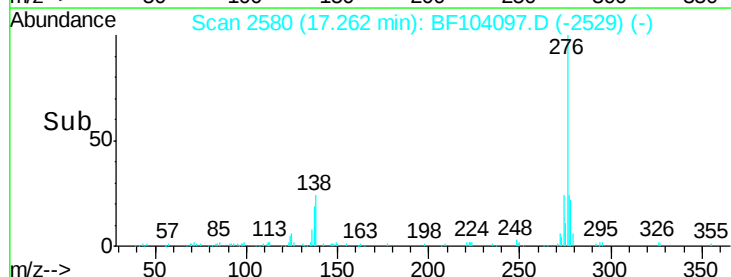
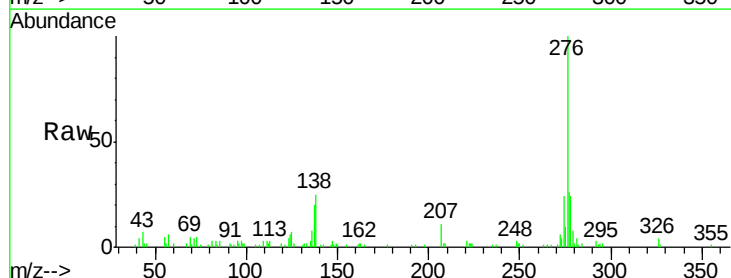
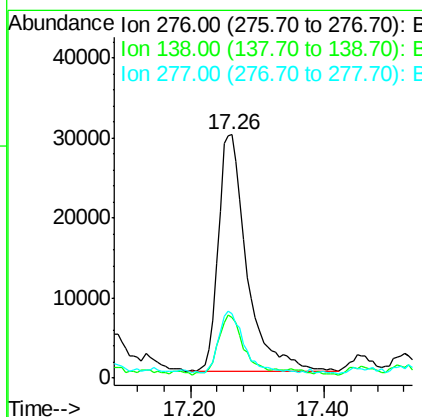
RT: 17.26 min Scan# 2580

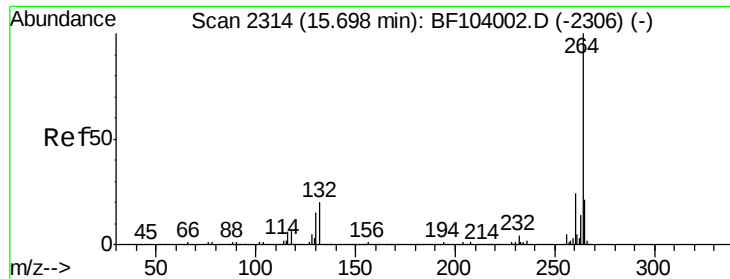
Delta R.T. 0.00 min

Lab File: BF104097.D

Acq: 30 Mar 2018 17:20

Tgt Ion:	276	Resp:	89362
Ion Ratio	Lower	Upper	
276	100		
138	22.5	25.0	37.6#
277	22.1	20.1	30.1





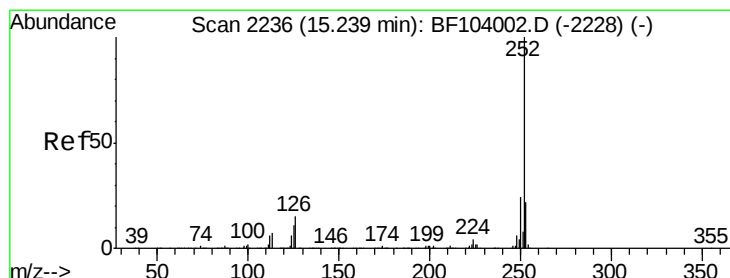
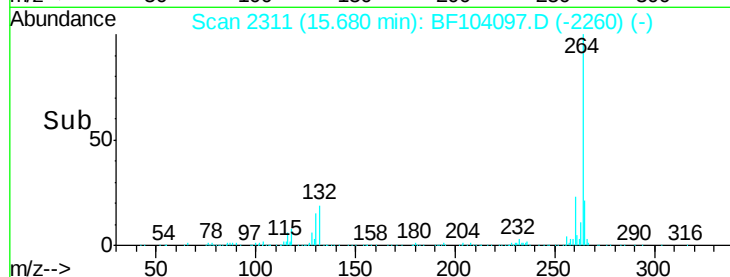
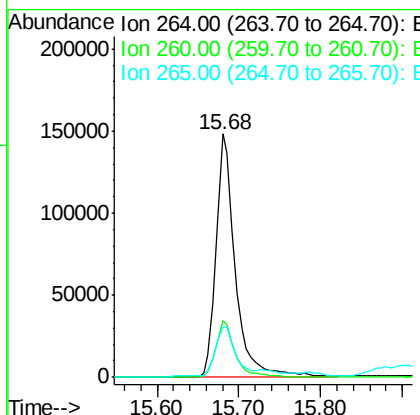
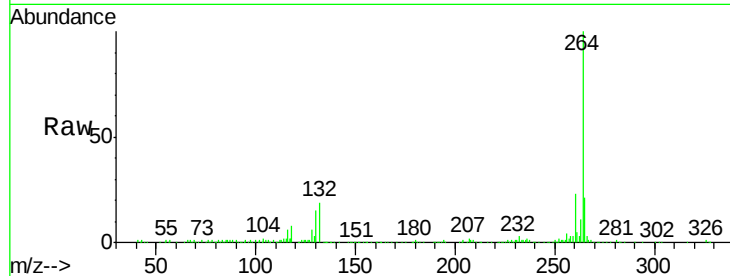
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BF104097.D
Acq: 30 Mar 2018 17:20

Instrument :
BNA_F
ClientSampleId :
PAD-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.8	17.5	26.3

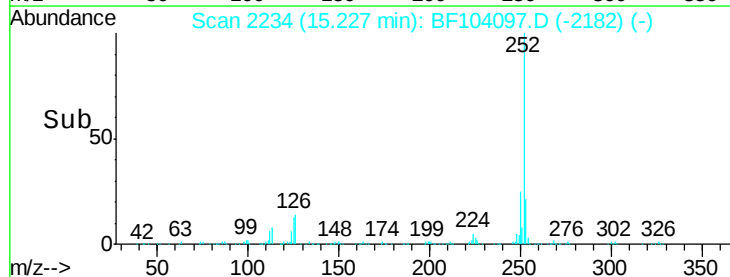
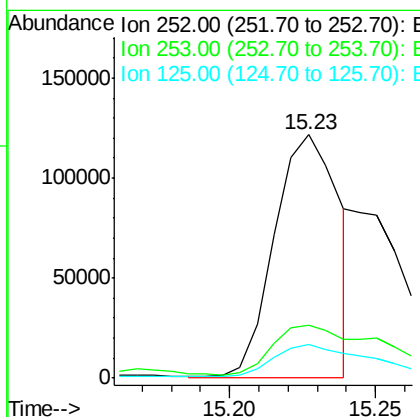
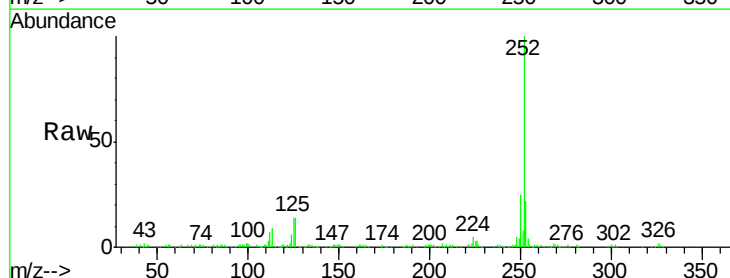
Manual Integrations
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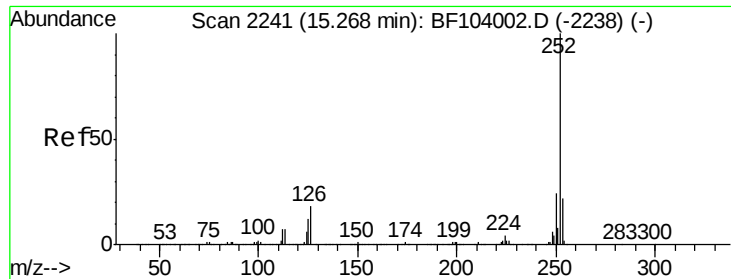
Sohil
4/2/2018 5:05:39 PM



#87
Benzo(b)fluoranthene
Concen: 12.662 ng m
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF104097.D
Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	14.0	9.0	13.6#





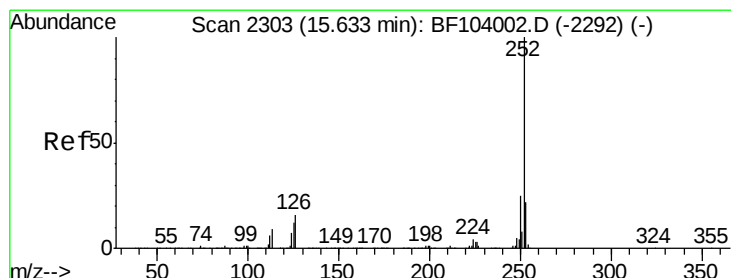
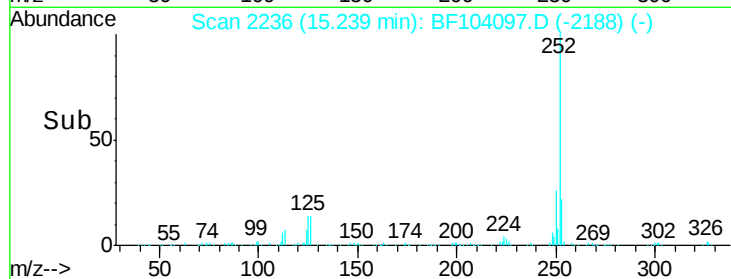
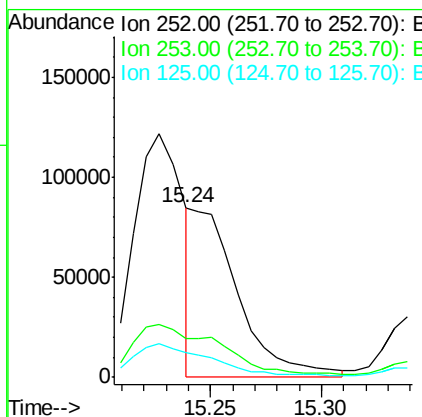
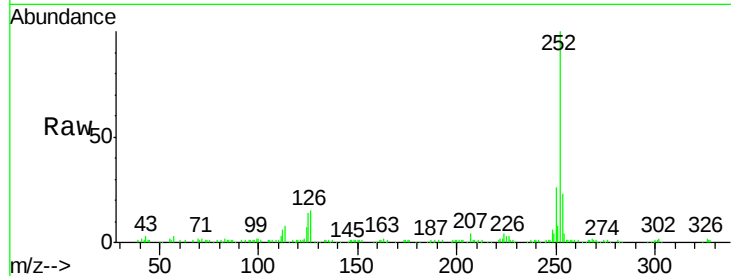
#88
Benzo(k)fluoranthene
Concen: 8.692 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF104097.D
Acq: 30 Mar 2018 17:20

Instrument :
BNA_F
ClientSampleId :
PAD-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.5	10.2	15.2

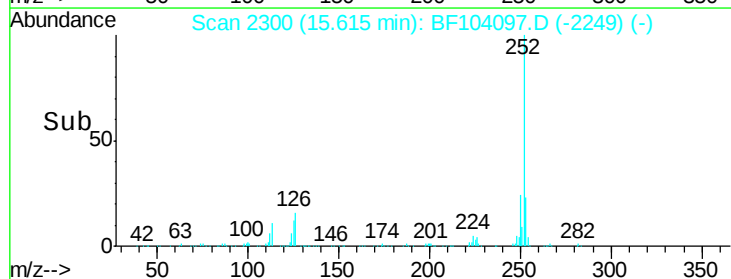
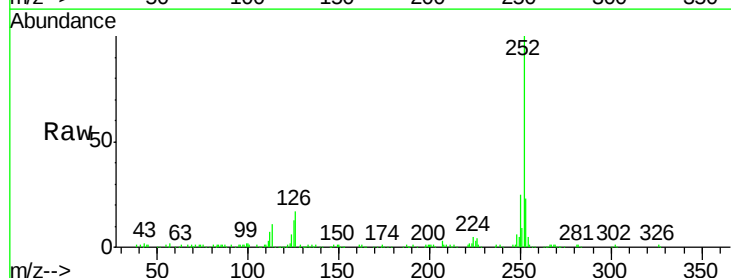
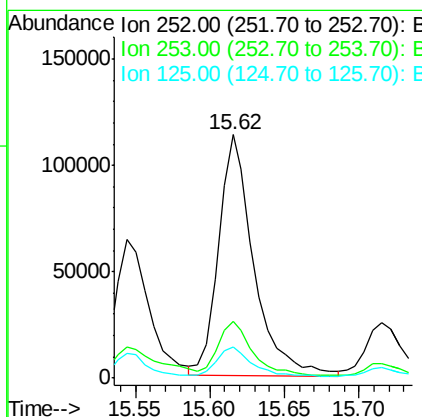
Manual Integrations
APPROVED

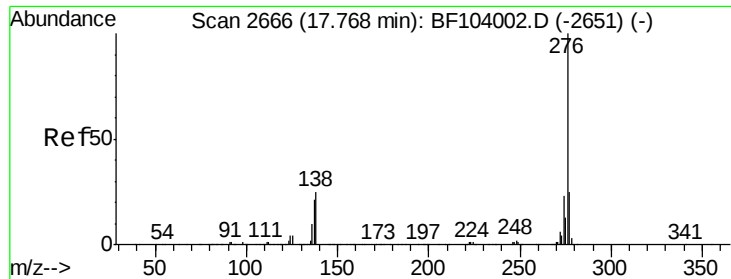
Sohil
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#89
Benzo(a)pyrene
Concen: 13.717 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BF104097.D
Acq: 30 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	12.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.726 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. -0.01 min
 Lab File: BF104097.D
 Acq: 30 Mar 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PAD-1DL

Tot Ion:	276	Resp:	85258
Ion Ratio		Lower	Upper
276	100		
277	25.1	17.9	26.9
138	24.2	21.8	32.8

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