

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103576.D
 Acq On : 12 Mar 2018 12:39
 Operator : SJ/JU
 Sample : J1870-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-08-12

Manual Integrations
 APPROVED

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 3/13/2018 4:12:50 PM

Quant Time: Mar 12 14:10:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	149028	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	625024	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	255439	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	392941	20.00	ng	0.00
75) Chrysene-d12	14.06	240	218753	20.00	ng	0.00
86) Perylene-d12	15.57	264	216257	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	876865	88.99	ng	0.01
7) Phenol-d6	6.50	99	1118956	92.80	ng	0.00
23) Nitrobenzene-d5	7.43	82	682412	62.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	147856	68.38	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	905557	56.18	ng	0.00
78) Terphenyl-d14	12.98	244	564793	62.06	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.53	94	30343	2.168	ng	# 15
49) Dimethylphthalate	9.61	163	100191	4.889	ng	100
51) Acenaphthene	9.93	154	64276	4.231	ng	99
54) Dibenzofuran	10.11	168	44775	2.147	ng	# 88
57) Fluorene	10.45	166	64856	3.651	ng	99
70) Phenanthrene	11.42	178	624167	28.864	ng	99
71) Anthracene	11.47	178	216348	9.756	ng	98
72) Carbazole	11.65	167	64949m	2.941	ng	
74) Fluoranthene	12.62	202	723201	33.280	ng	99
77) Pyrene	12.85	202	648148	38.003	ng	99
80) Benzo(a)anthracene	14.04	228	293910	20.707	ng	98
82) Chrysene	14.08	228	256925	18.643	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	116400	10.669	ng	94
87) Benzo(b)fluoranthene	15.13	252	286865m	20.175	ng	
88) Benzo(k)fluoranthene	15.15	252	129328m	9.659	ng	
89) Benzo(a)pyrene	15.50	252	227021	17.879	ng	# 94
90) Dibenzo(a,h)anthracene	17.12	278	27685	2.822	ng	# 78
91) Benzo(g,h,i)perylene	17.59	276	103321	10.775	ng	93

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

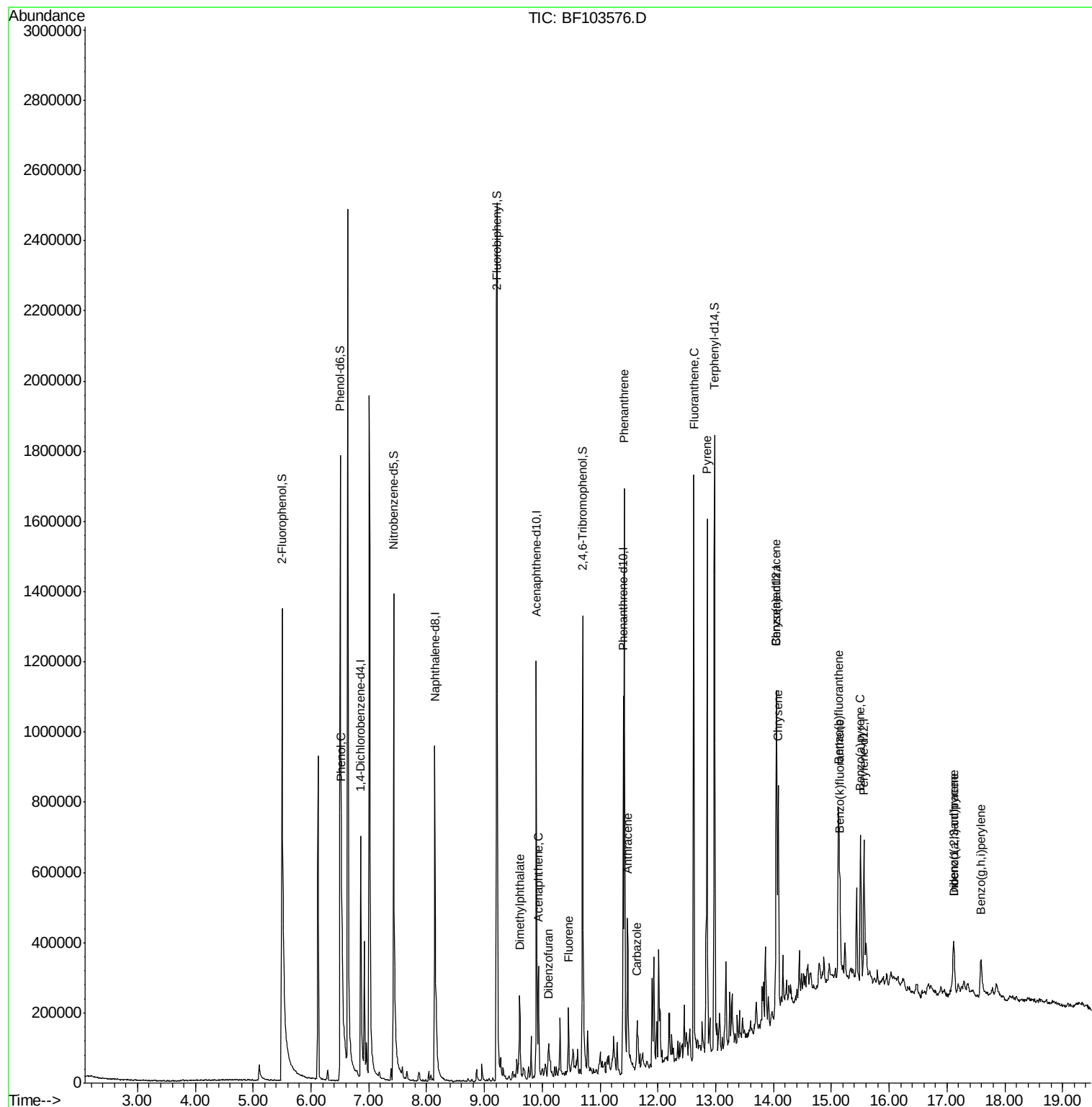
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103576.D
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Sample : J1870-02
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ALS Vial : 7 Sample Multiplier: 1

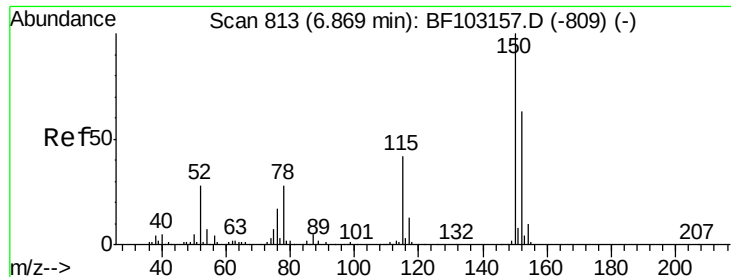
Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

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Quant Time: Mar 12 14:10:31 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

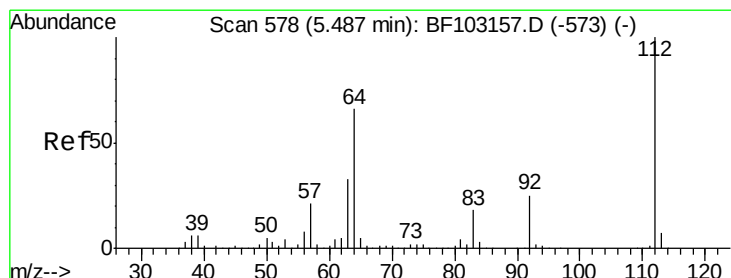
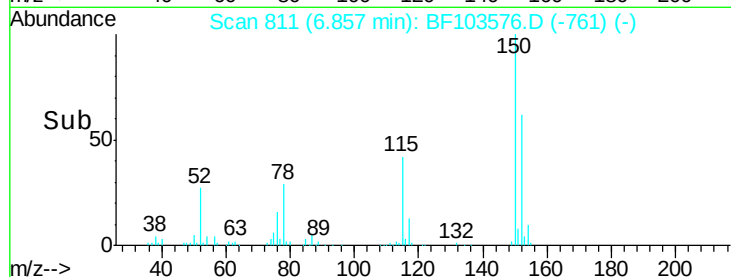
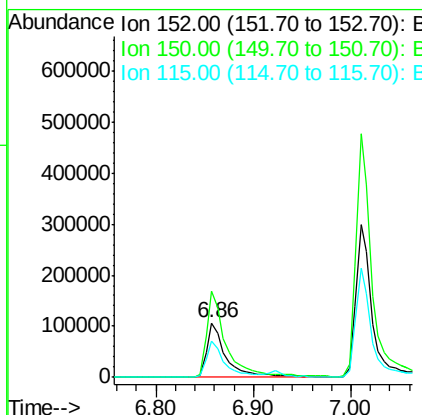
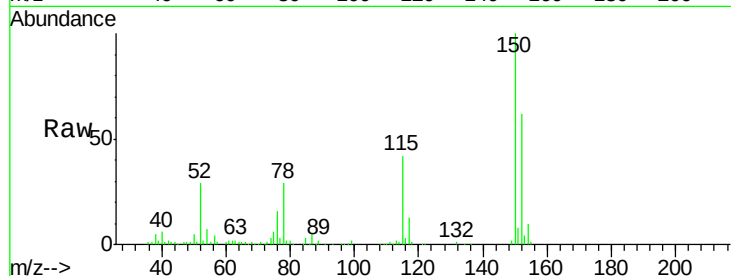
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	66.5	50.1	75.1

Manual Integrations
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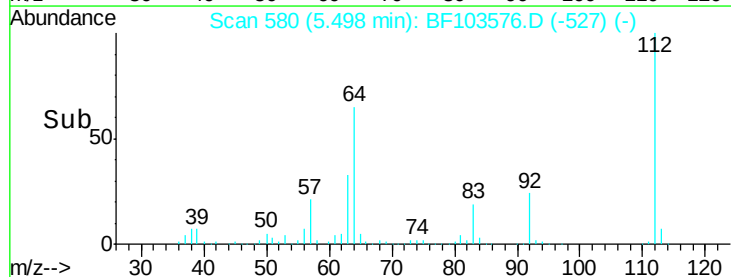
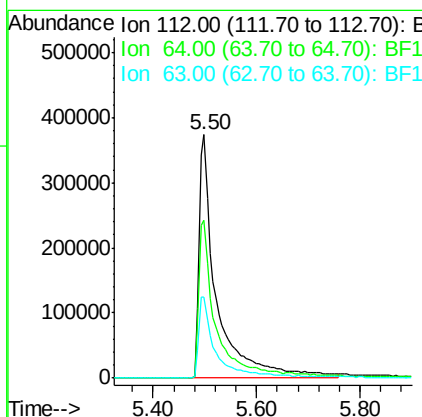
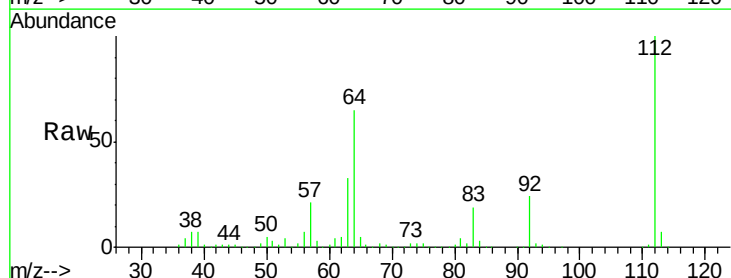
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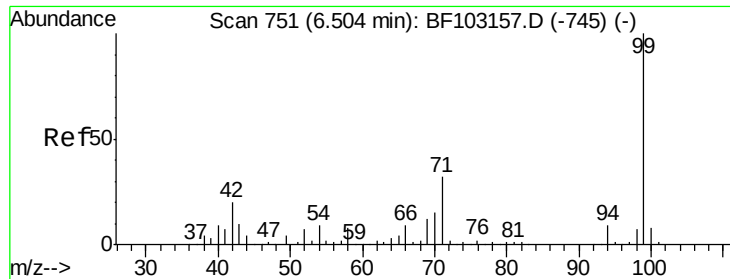


#5

2-Fluorophenol
Concen: 88.990 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	33.1	23.7	35.5





#7

Phenol-d6

Concen: 92.803 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103576.D

Acq: 12 Mar 2018 12:39

Instrument :

BNA_F

ClientSampled :

SB-10-08-12

Tot Ion: 99 Resp: 1118956

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

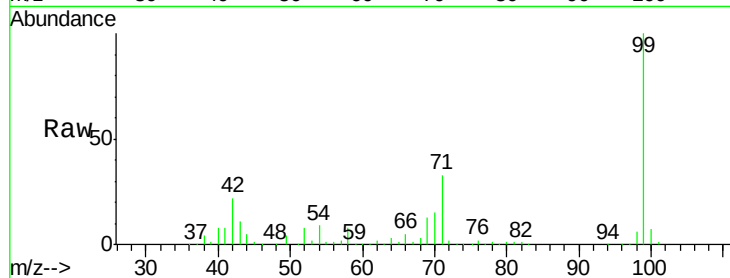
71 33.4 25.4 38.0

Manual Integrations

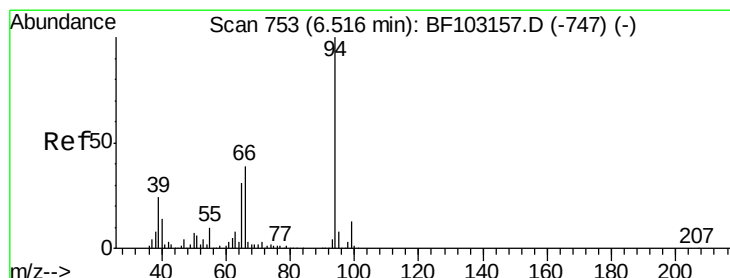
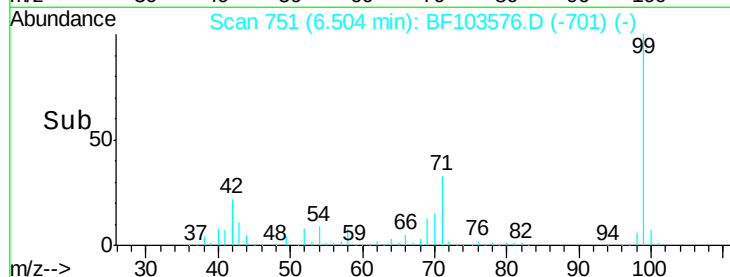
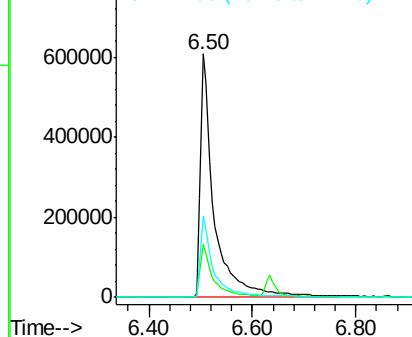
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.168 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF103576.D

Acq: 12 Mar 2018 12:39

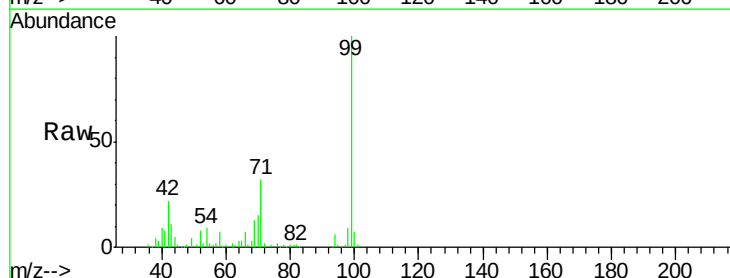
Tgt Ion: 94 Resp: 30343

Ion Ratio Lower Upper

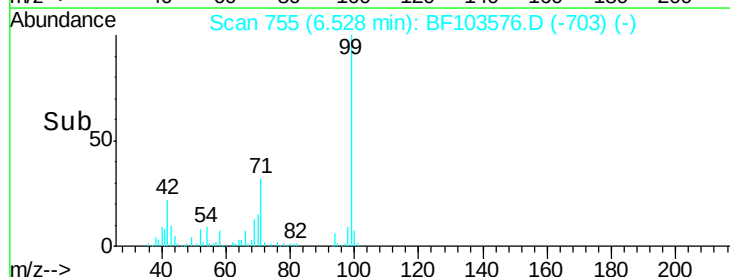
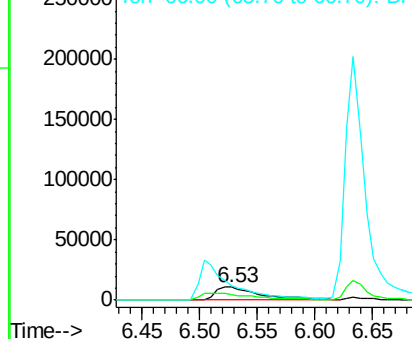
94 100

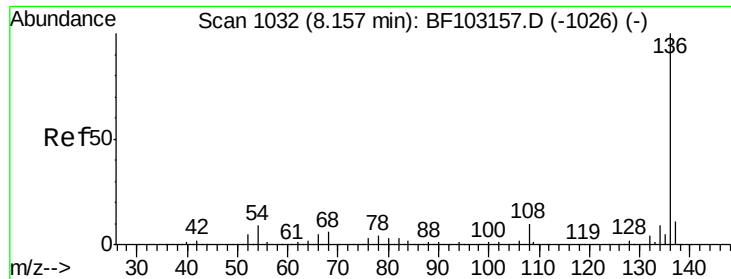
65 43.4 7.9 47.9

66 111.7 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





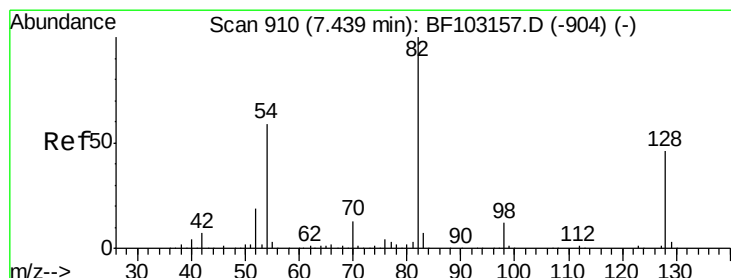
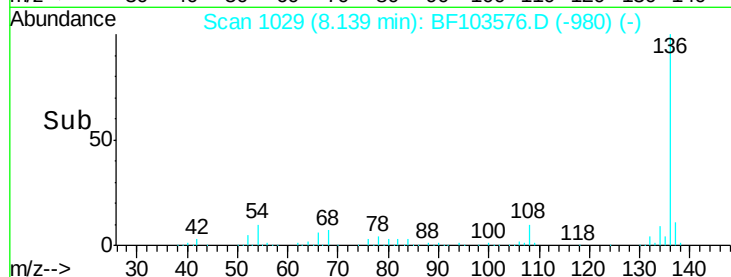
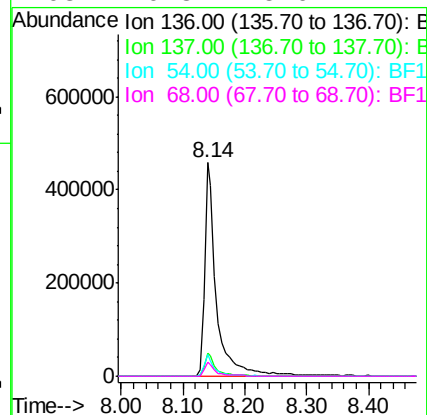
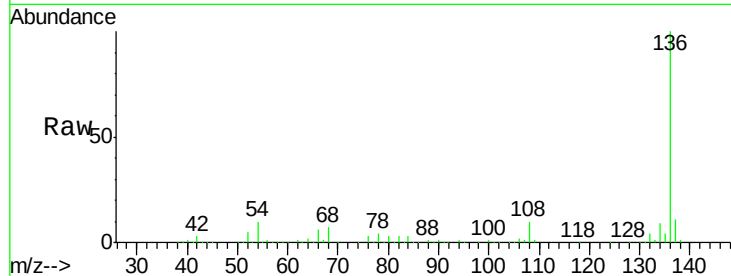
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Resp	Lower	Upper
136	100	625024		
137	10.7		8.9	13.3
54	10.0		6.6	9.8
68	6.8		5.0	7.4

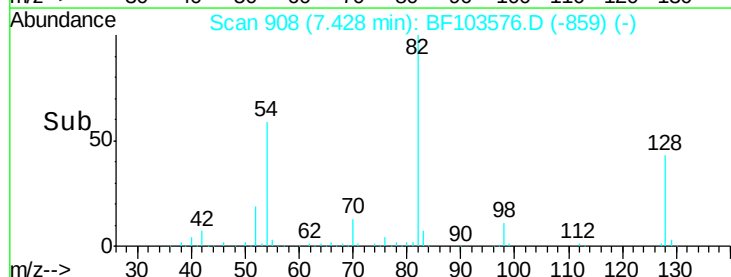
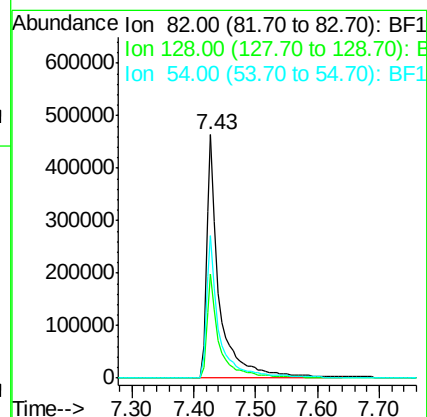
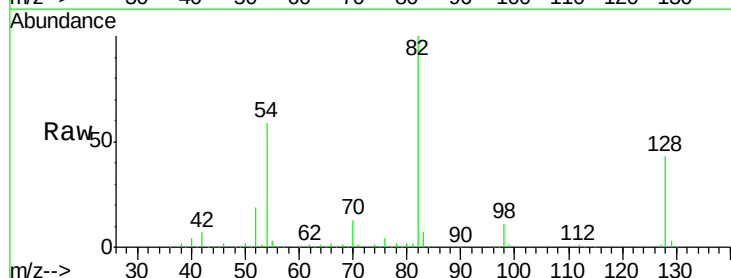
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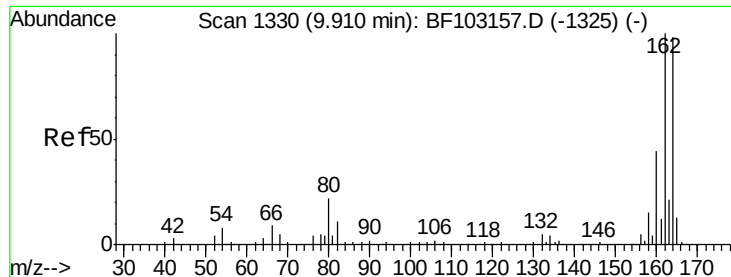
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#23
Nitrobenzene-d5
Concen: 62.352 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	682412		
128	42.6		36.1	54.1
54	58.7		41.4	62.2





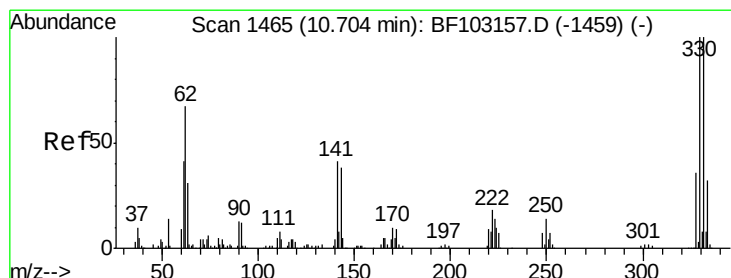
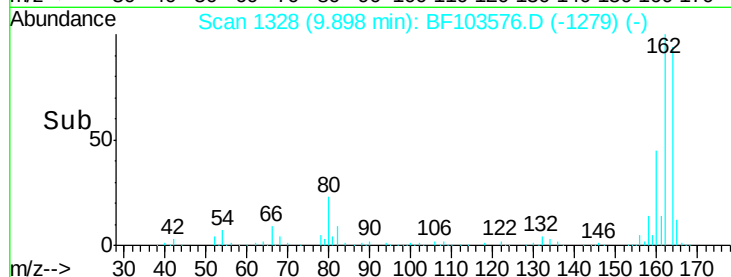
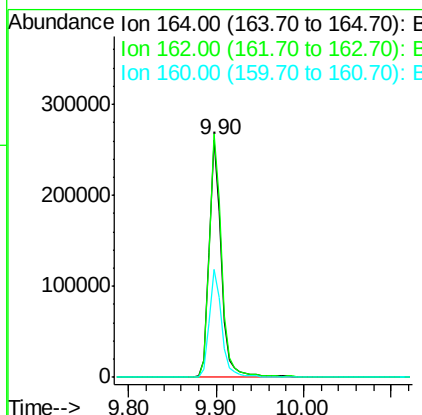
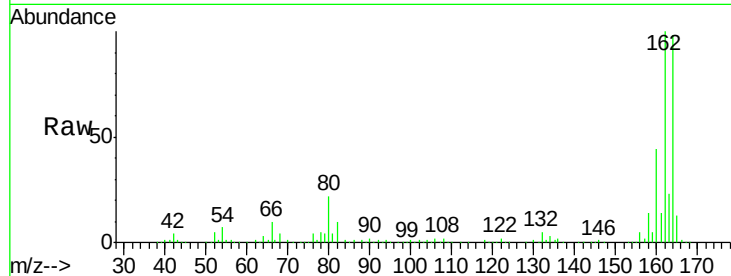
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	45.5	38.3	57.5

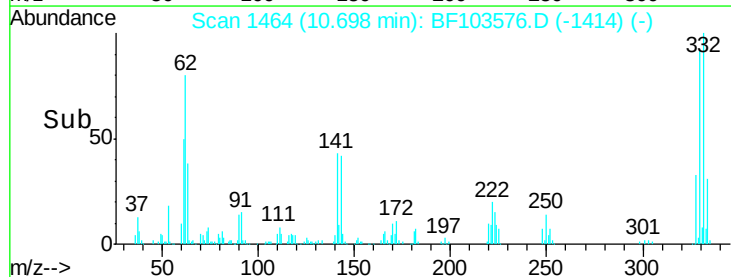
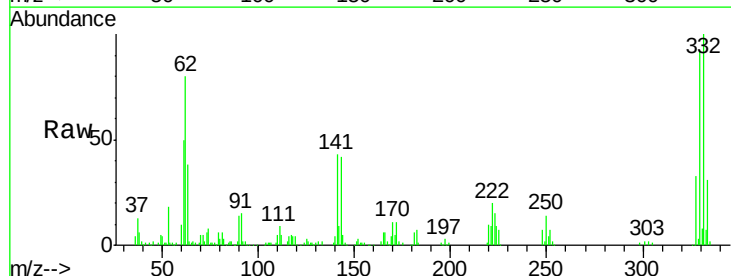
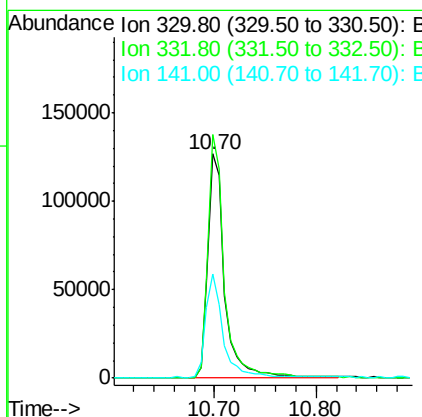
Manual Integrations
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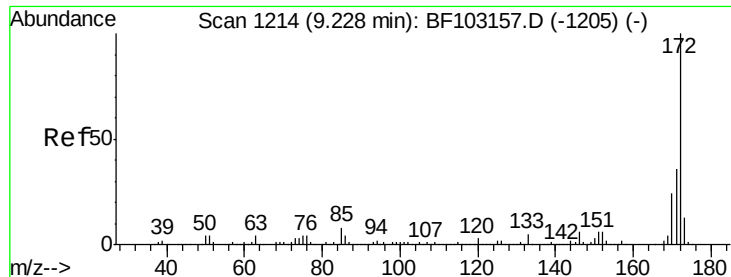
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#41
2,4,6-Tribromophenol
Concen: 68.384 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	105.8	77.0	115.6
141	48.7	29.9	44.9





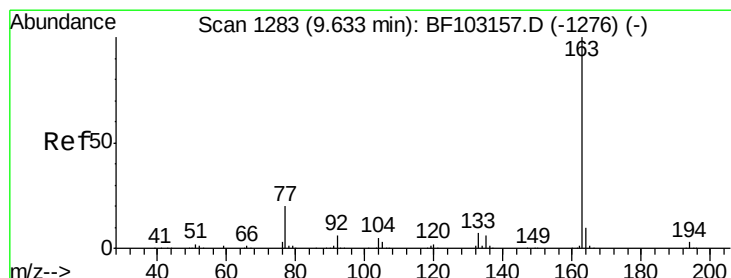
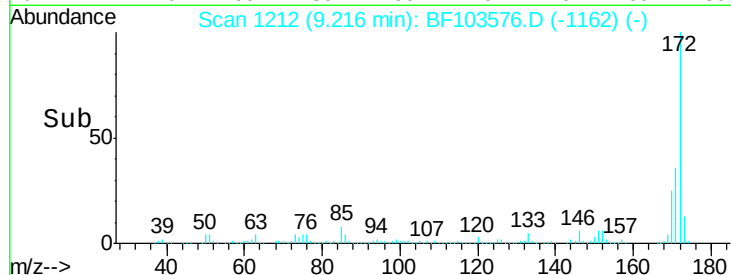
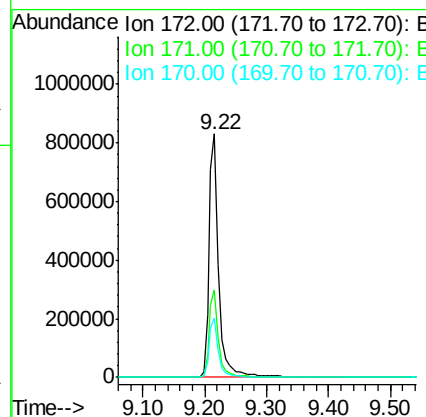
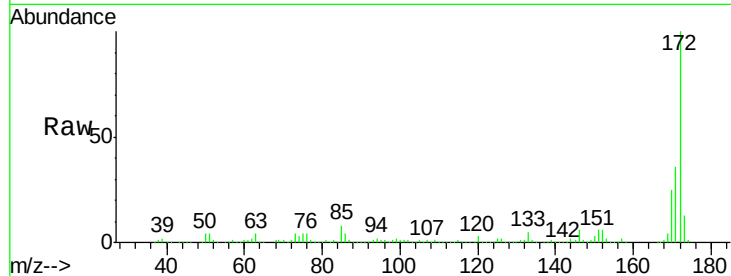
#44
2-Fluorobiphenyl
Concen: 56.179 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampled :
SB-10-08-12

Tot Ion	Ratio	Resp	Lower	Upper
172	100	905557		
171	36.1		29.7	44.5
170	24.5		19.6	29.4

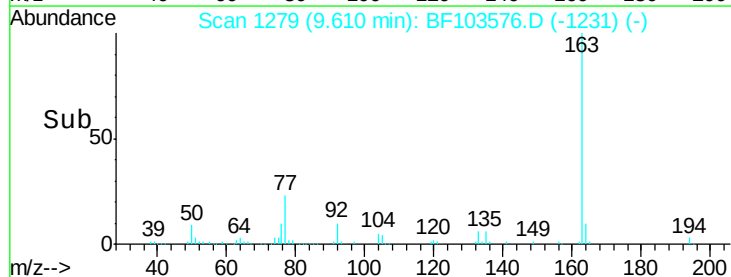
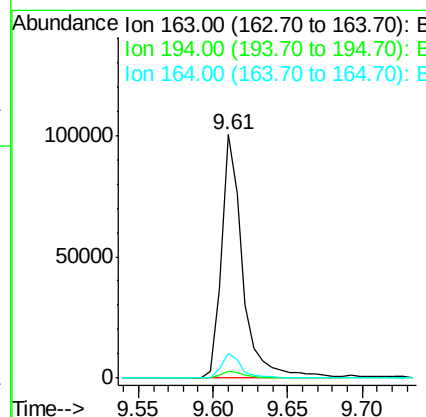
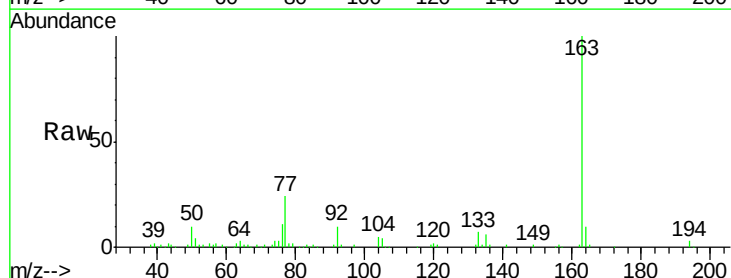
Manual Integrations
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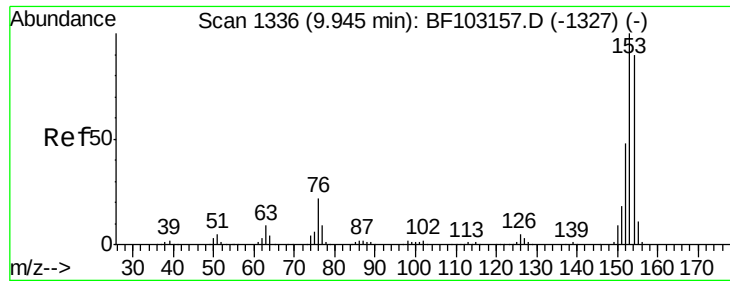
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#49
Dimethylphthalate
Concen: 4.889 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	100191		
194	3.0		2.7	4.1
164	10.1		8.2	12.2





#51

Acenaphthene

Concen: 4.231 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF103576.D

Acq: 12 Mar 2018 12:39

Instrument :

BNA_F

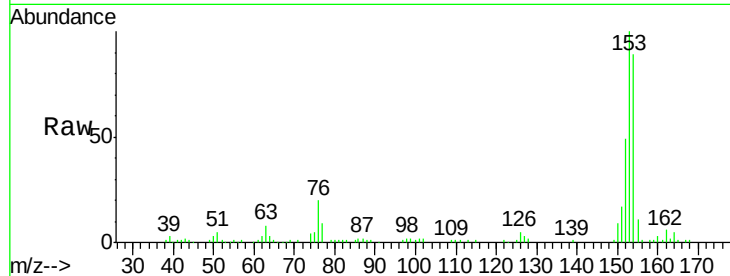
ClientSampled :

SB-10-08-12

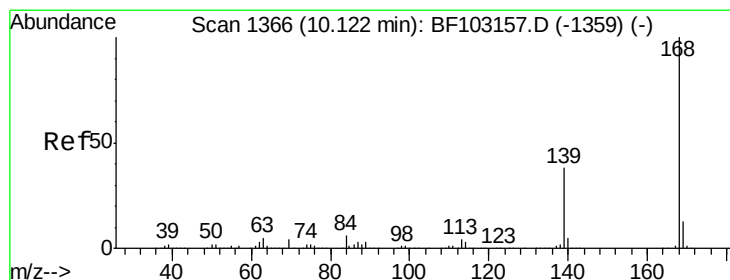
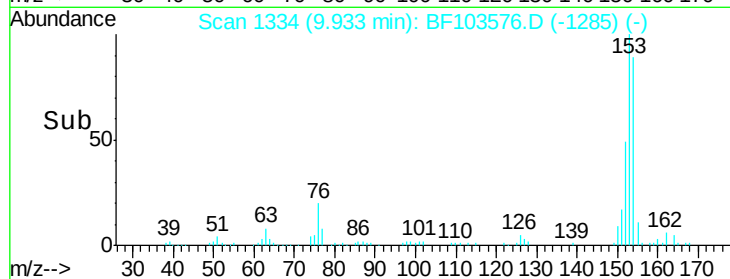
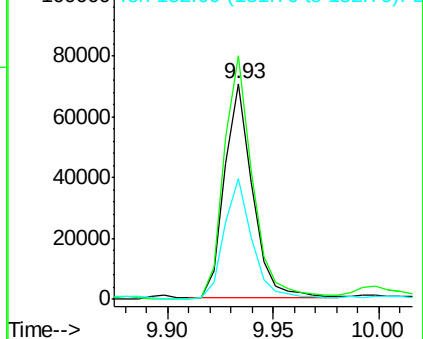
Tot Ion:	154	Resp:	64276
Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.2	136.8
152	55.8	43.8	65.8

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: 2.147 ng

RT: 10.11 min Scan# 1364

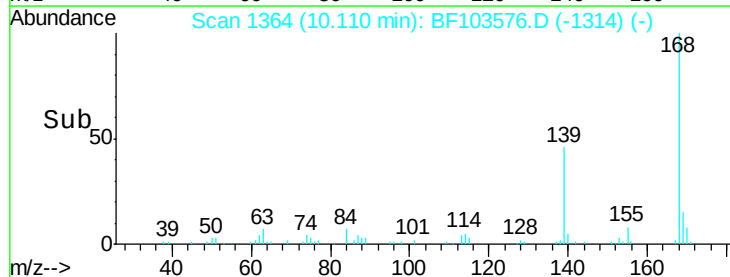
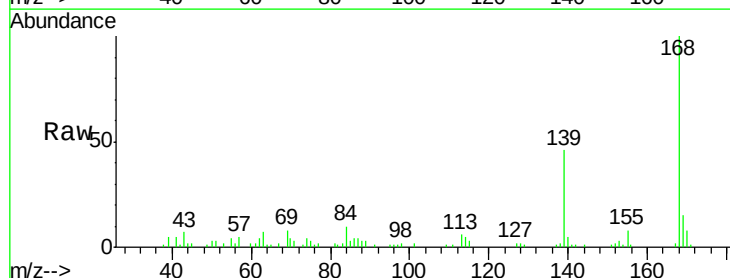
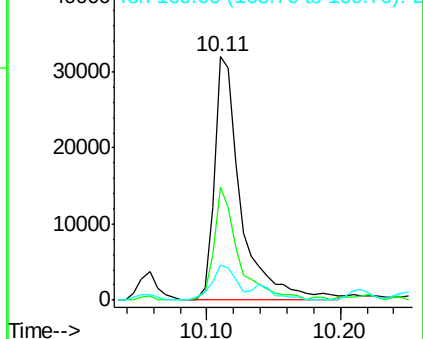
Delta R.T. -0.01 min

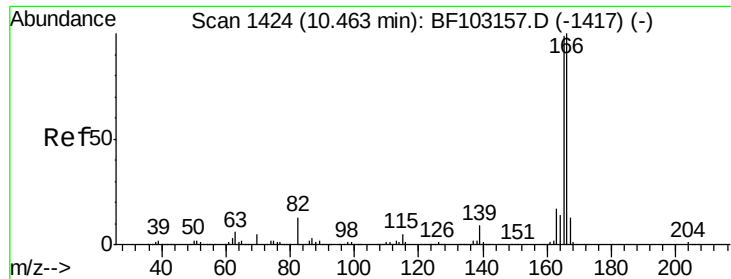
Lab File: BF103576.D

Acq: 12 Mar 2018 12:39

Tgt Ion:	168	Resp:	44775
Ion	Ratio	Lower	Upper
168	100		
139	46.5	30.1	45.1#
169	14.6	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





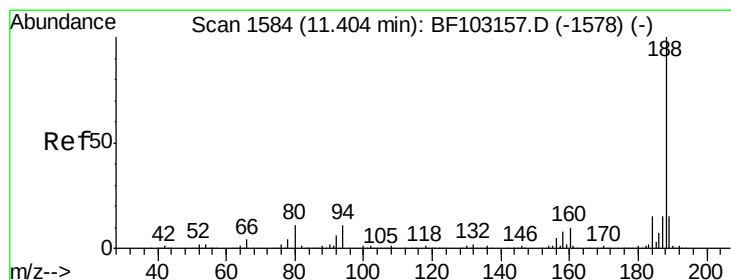
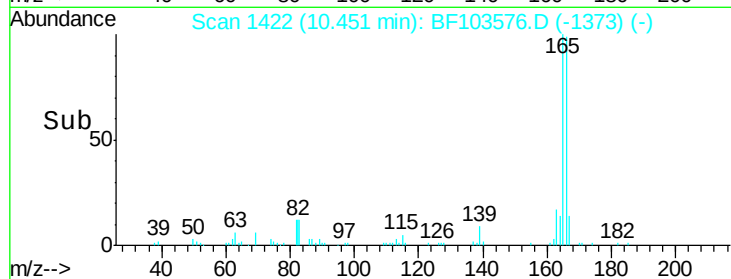
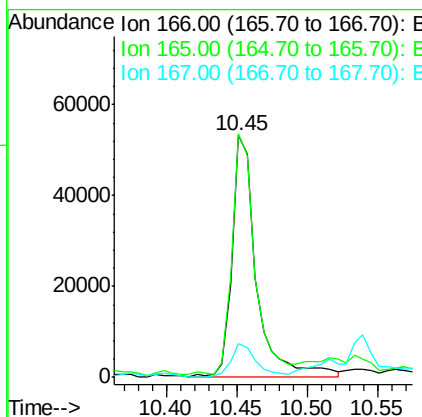
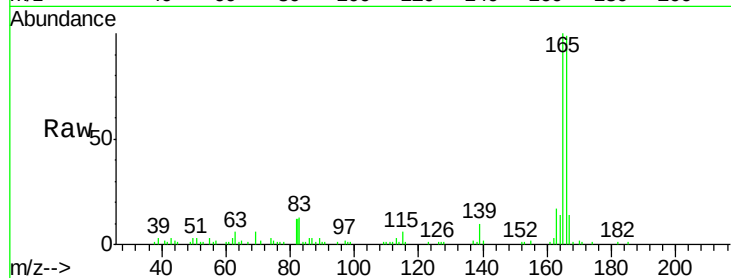
#57
 Fluorene
 Concen: 3.651 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF103576.D
 Acq: 12 Mar 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-08-12

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.8	119.8
167	14.1	10.6	16.0

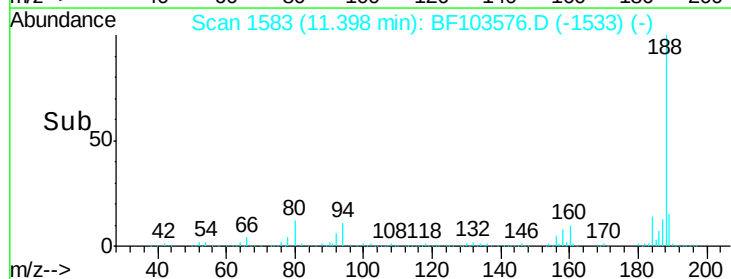
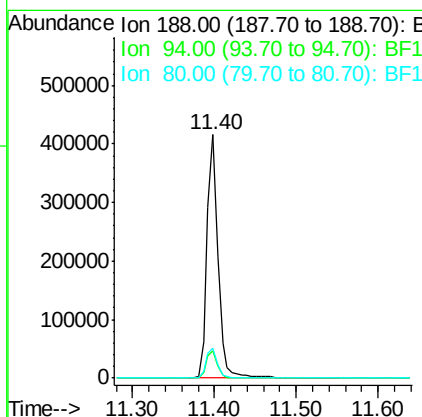
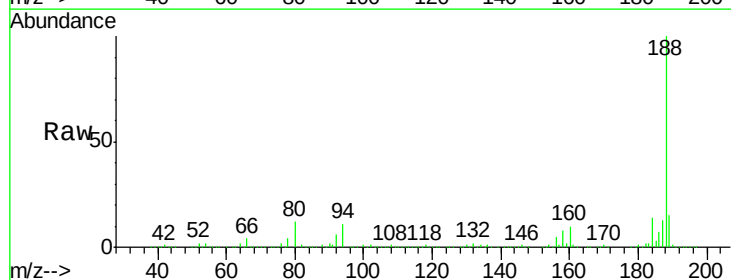
Manual Integrations
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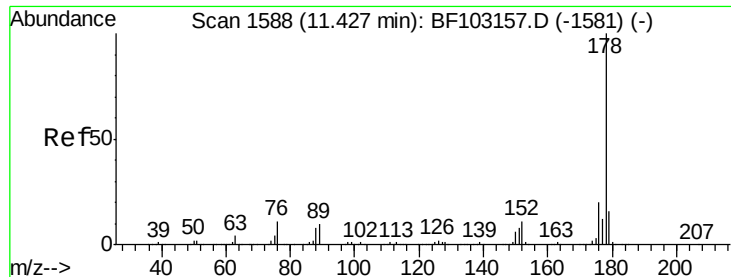
Sohil
 3/13/2018 4:12:50 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103576.D
 Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8





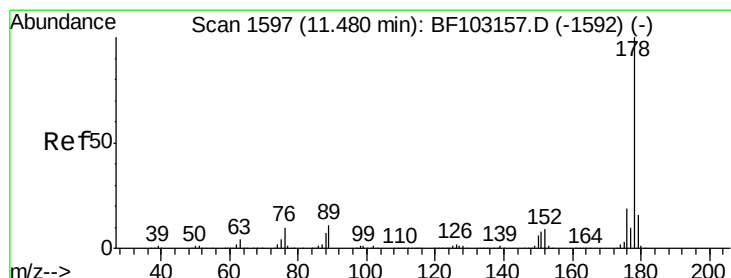
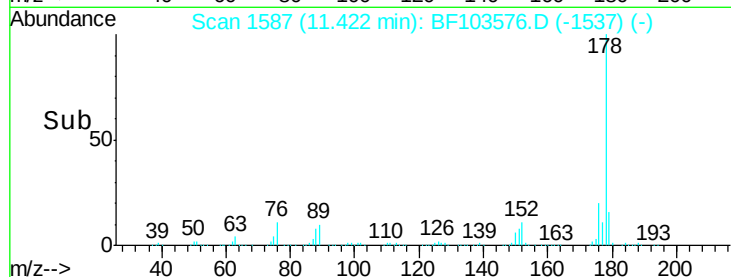
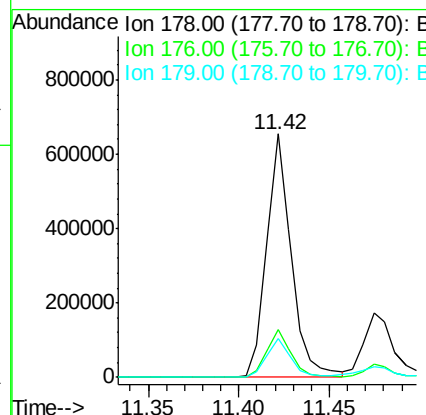
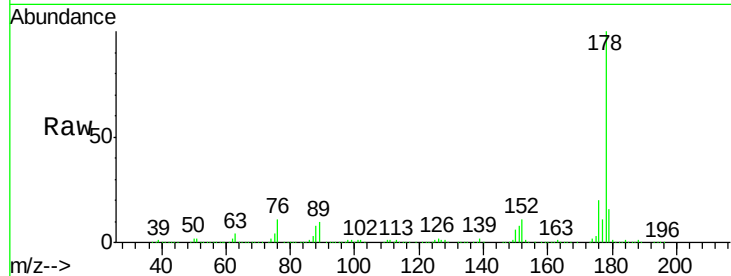
#70
Phenanthrene
Concen: 28.864 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampled :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.0	13.0	19.6

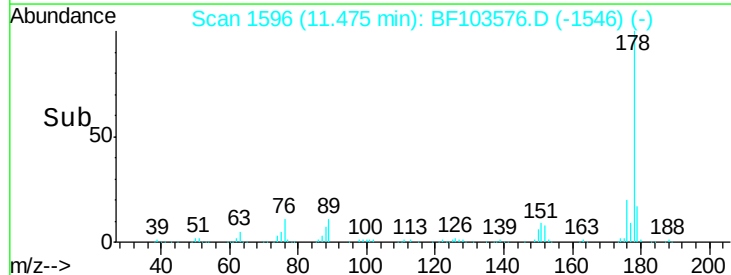
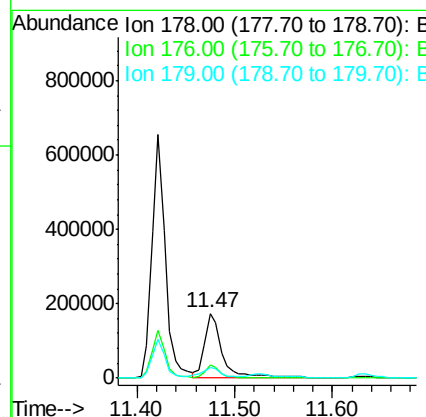
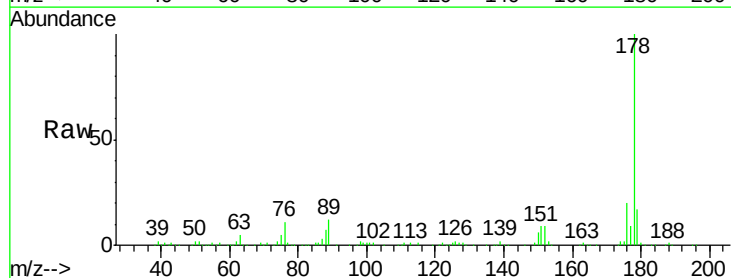
Manual Integrations
APPROVED

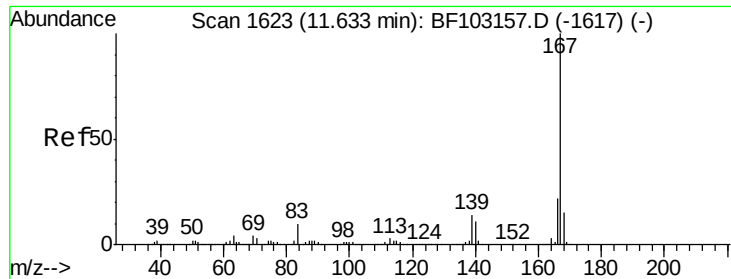
Sohil
3/13/2018 4:12:50 PM



#71
Anthracene
Concen: 9.756 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	17.2	12.6	19.0





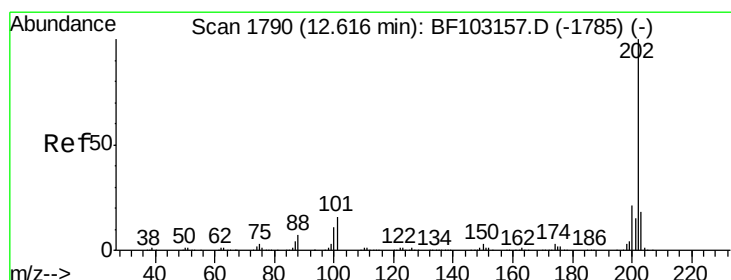
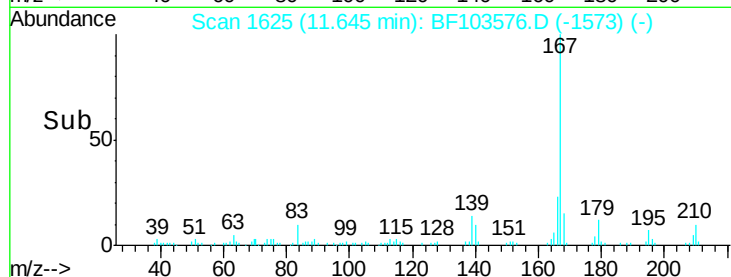
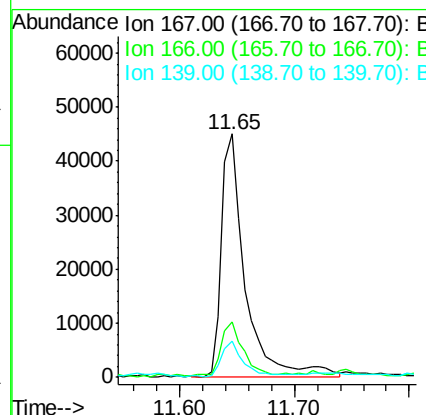
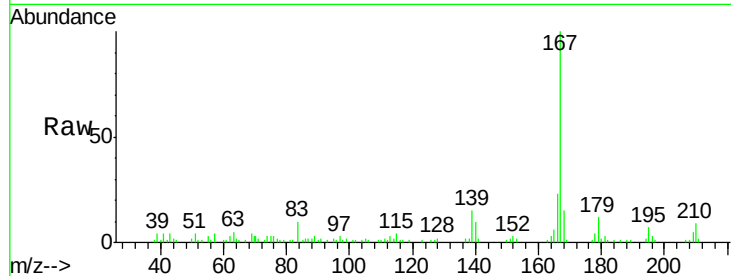
#72
 Carbazole
 Concen: 2.941 ng/ml
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF103576.D
 Acq: 12 Mar 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-08-12

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	14.9	10.9	16.3

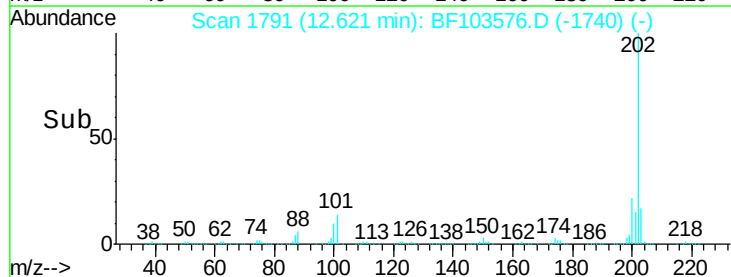
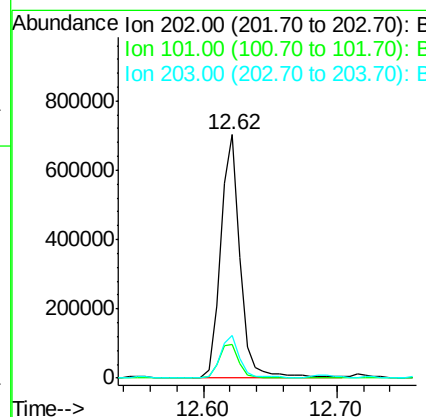
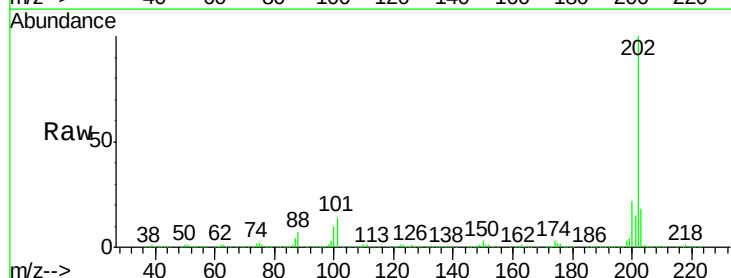
Manual Integrations
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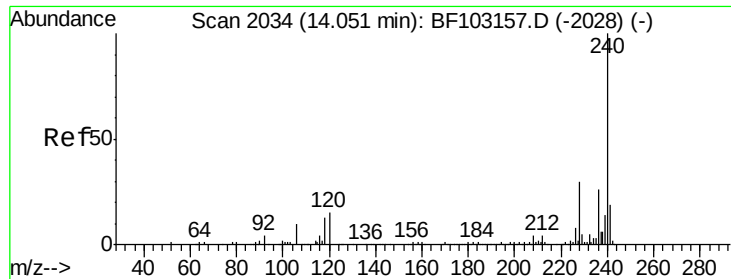
Sohil
 3/13/2018 4:12:50 PM



#74
 Fluoranthene
 Concen: 33.280 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103576.D
 Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.5	0.0	38.1





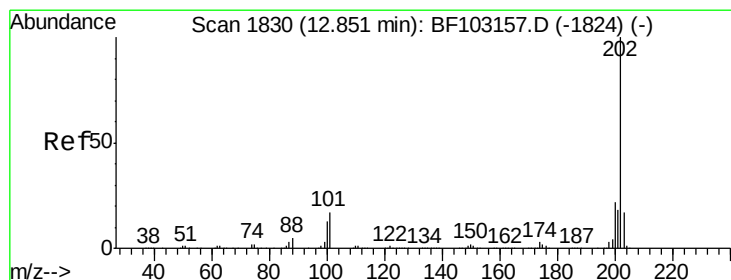
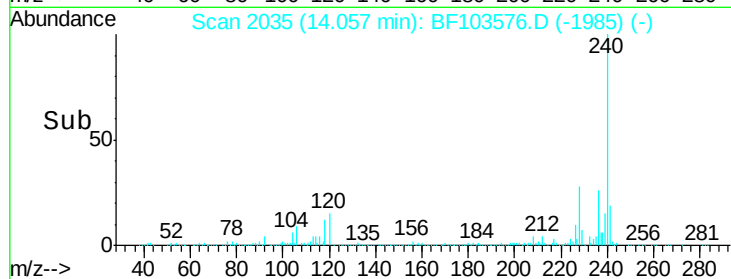
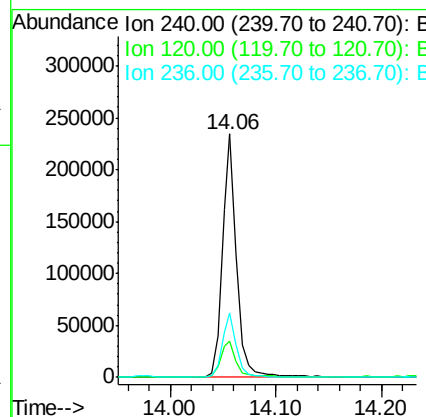
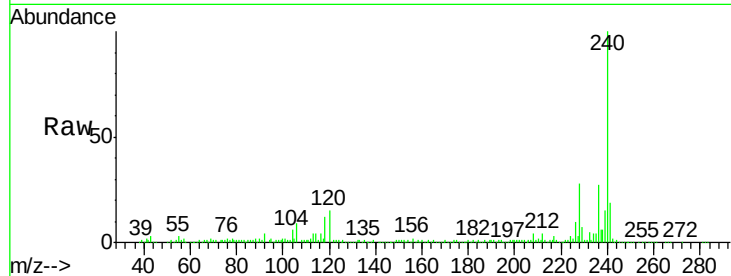
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3
236	26.5	20.7	31.1

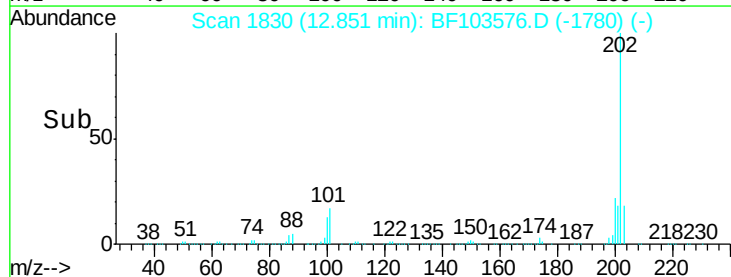
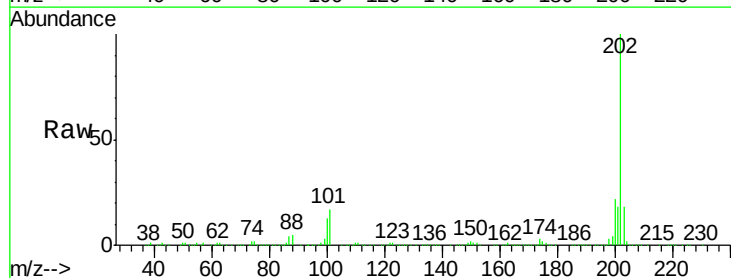
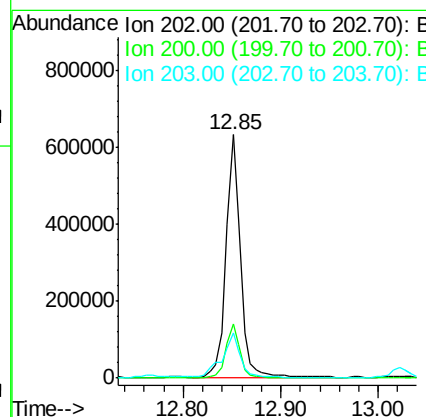
Manual Integrations
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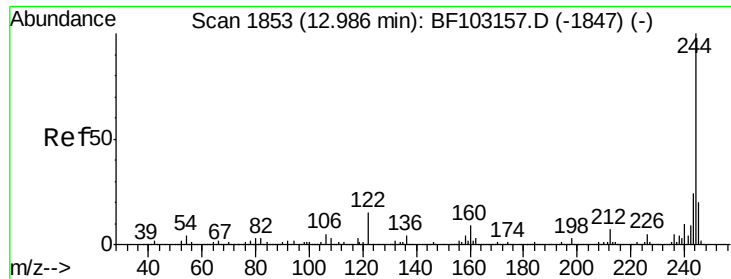
Sohil
3/13/2018 4:12:50 PM



#77
Pyrene
Concen: 38.003 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.5	14.3	21.5





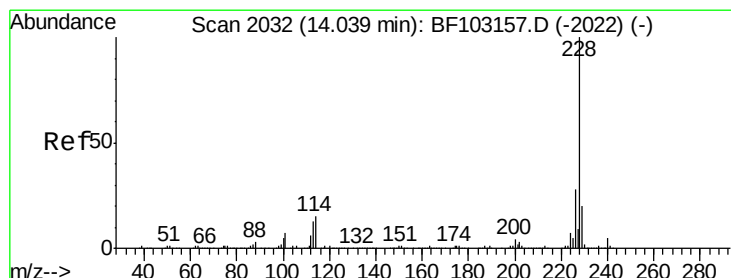
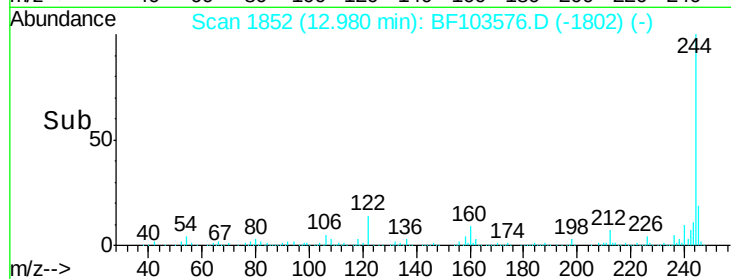
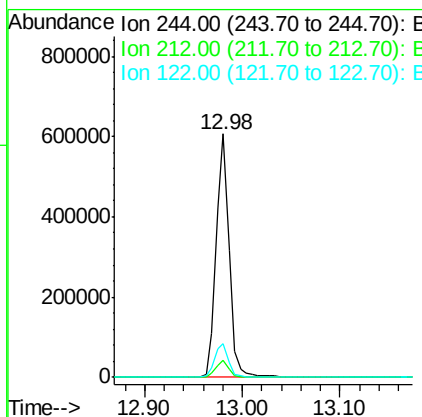
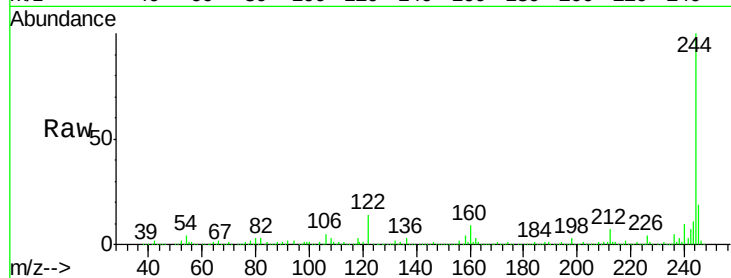
#78
 Terphenyl-d14
 Concen: 62.065 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103576.D
 Acq: 12 Mar 2018 12:39

Instrument :
 BNA_F
 ClientSampled :
 SB-10-08-12

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.9	11.0	16.4

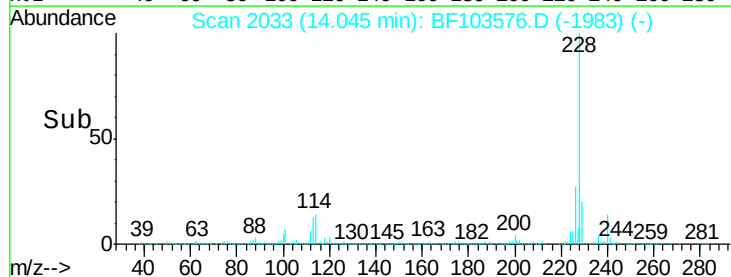
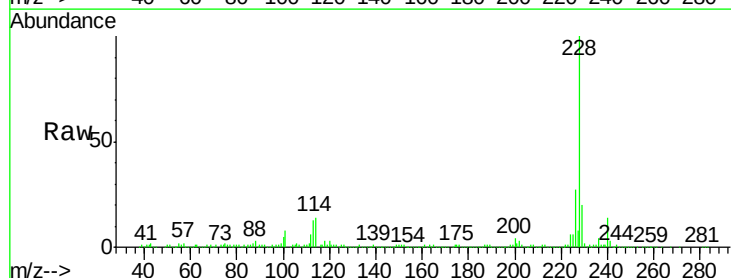
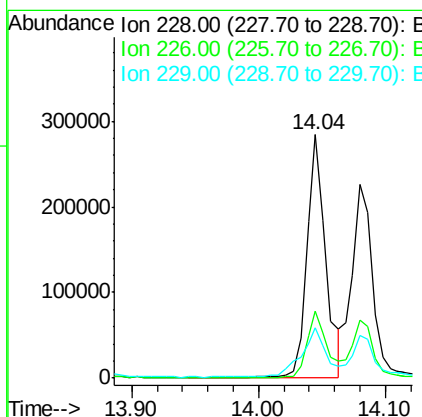
Manual Integrations
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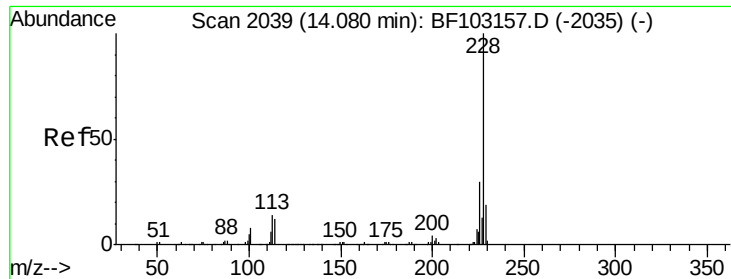
Sohil
 3/13/2018 4:12:50 PM



#80
 Benzo(a)anthracene
 Concen: 20.707 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103576.D
 Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.5	15.8	23.6





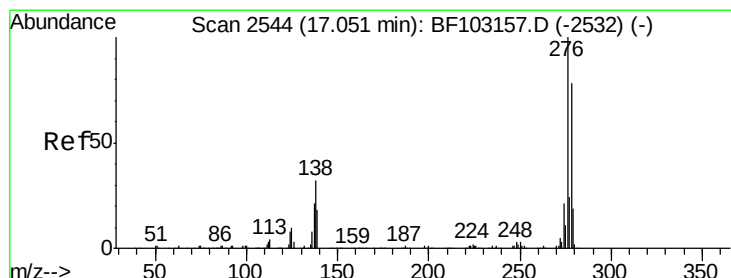
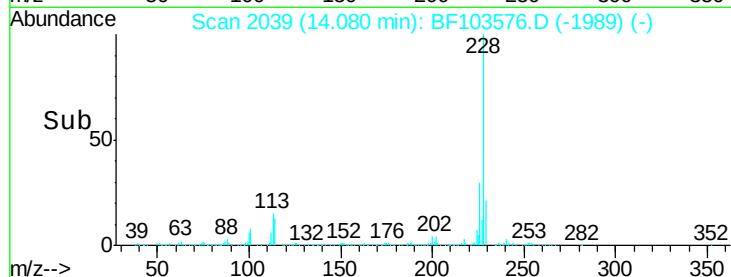
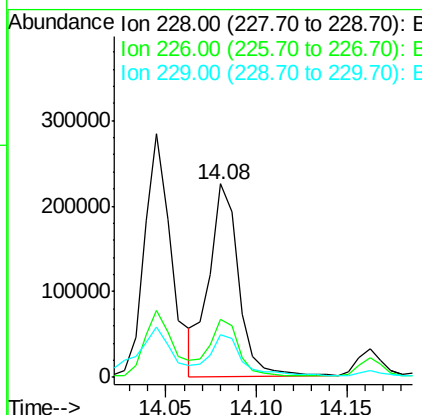
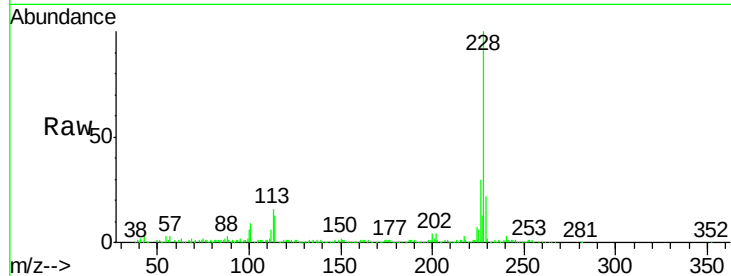
#82
Chrysene
Concen: 18.643 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.7	16.2	24.4

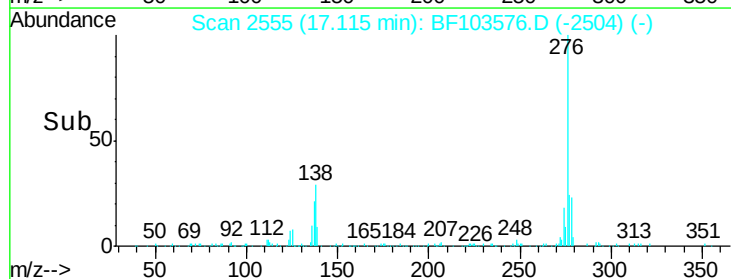
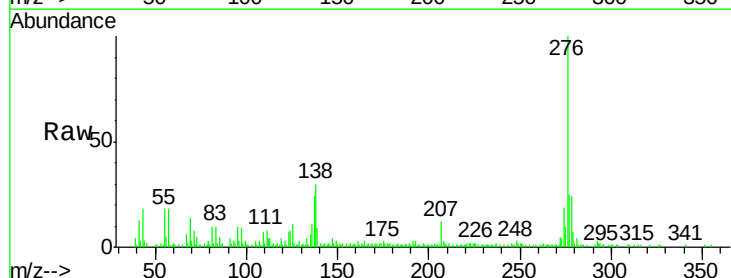
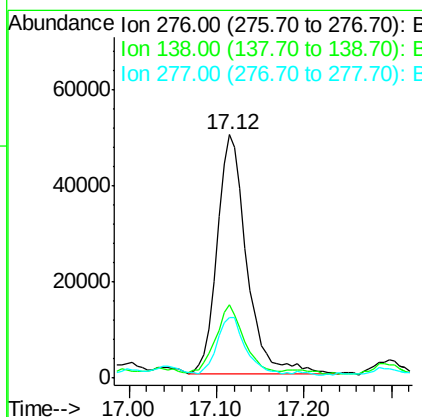
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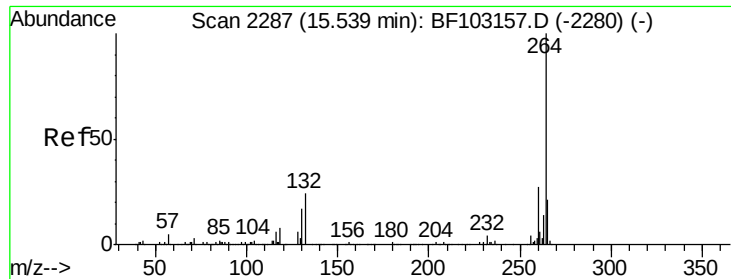
Sohil
3/13/2018 4:12:50 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.669 ng
RT: 17.12 min Scan# 2555
Delta R.T. 0.00 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	23.0	20.1	30.1





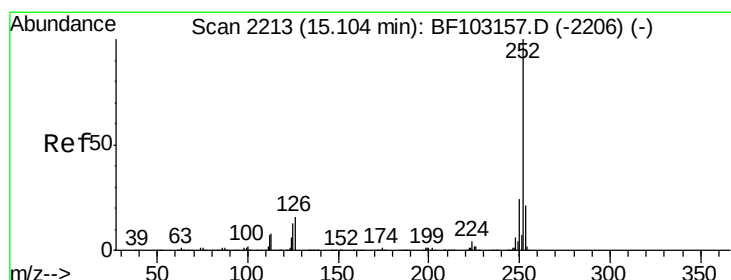
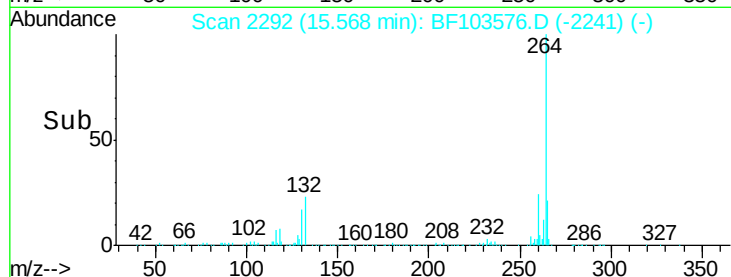
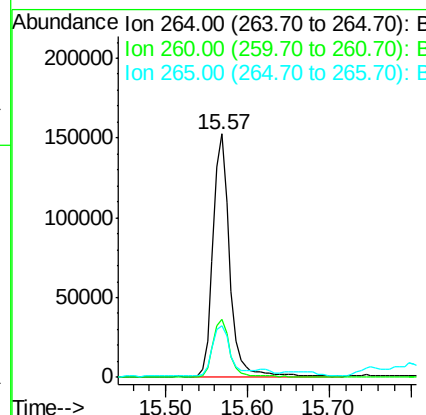
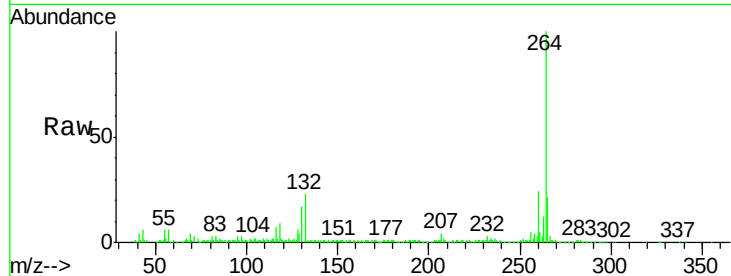
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3

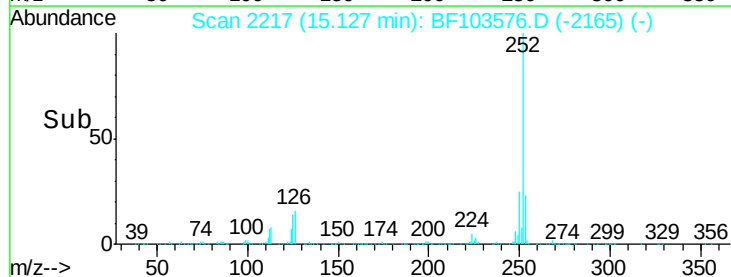
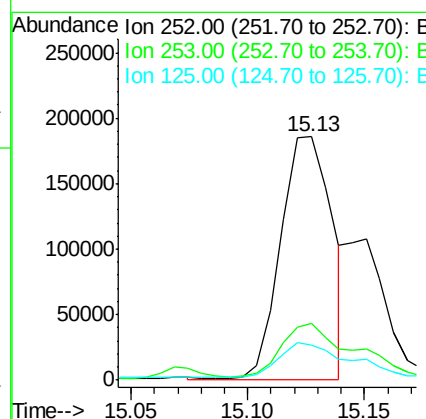
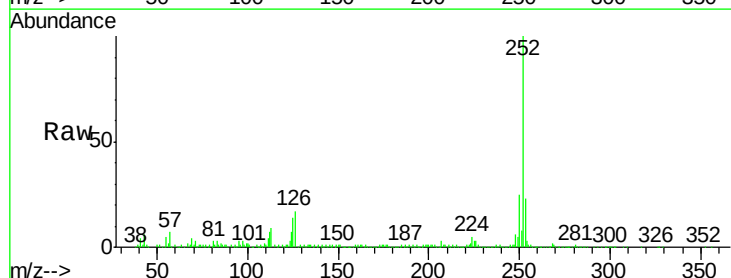
Manual Integrations
APPROVED

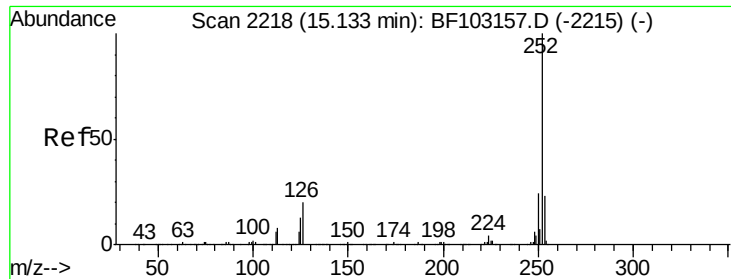
Sohil
3/13/2018 4:12:50 PM



#87
Benzo(b)fluoranthene
Concen: 20.175 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.4	9.0	13.6





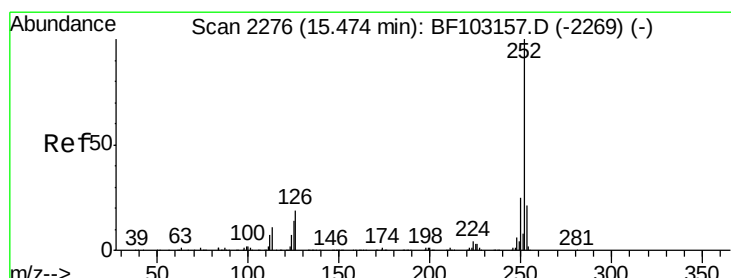
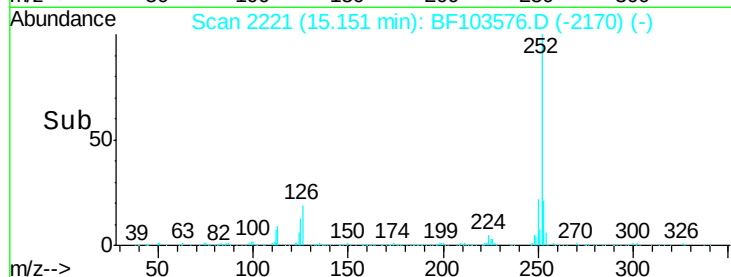
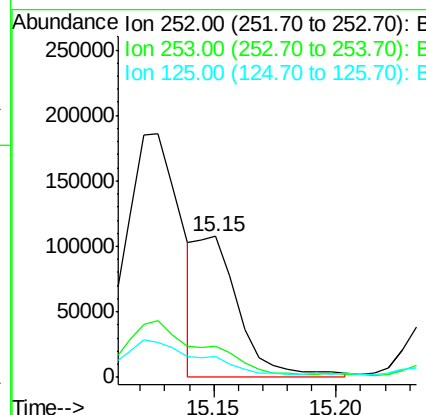
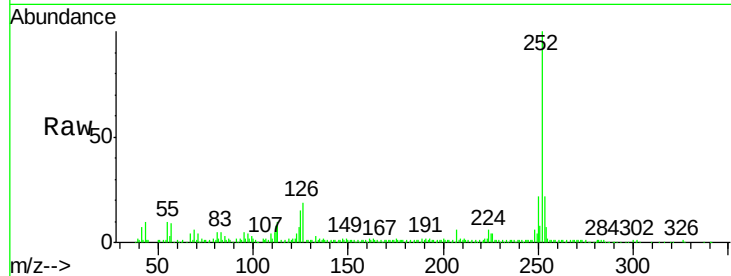
#88
Benzo(k)fluoranthene
Concen: 9.659 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampled :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.7	10.2	15.2

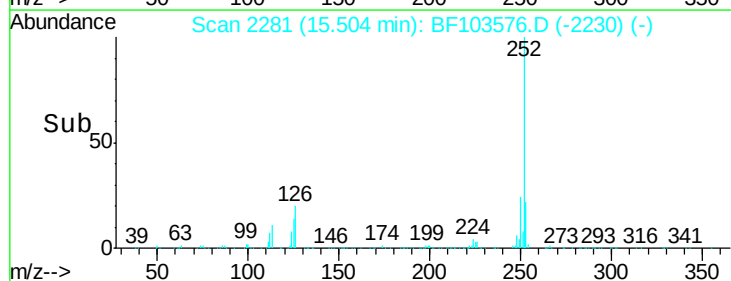
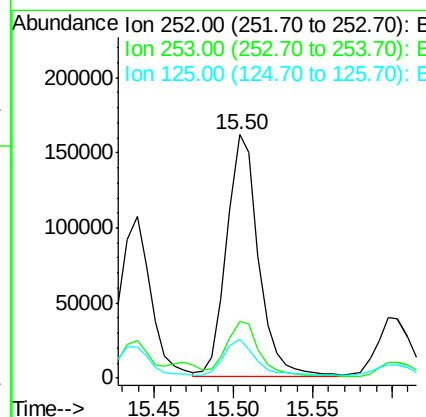
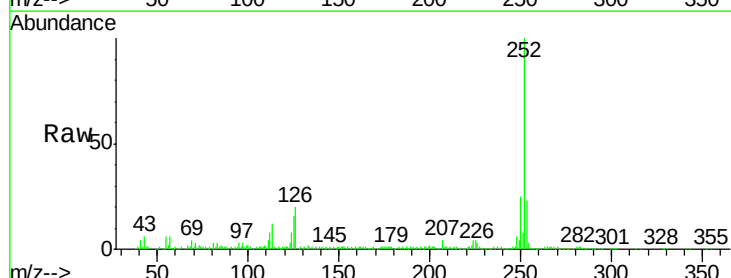
Manual Integrations
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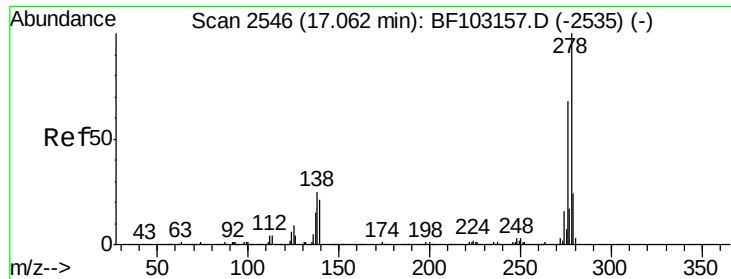
Sohil
3/13/2018 4:12:50 PM



#89
Benzo(a)pyrene
Concen: 17.879 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.8	9.8	14.6#





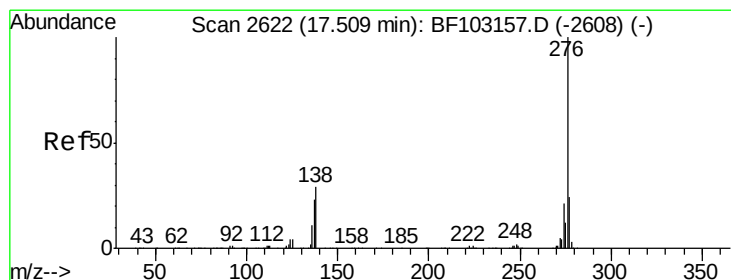
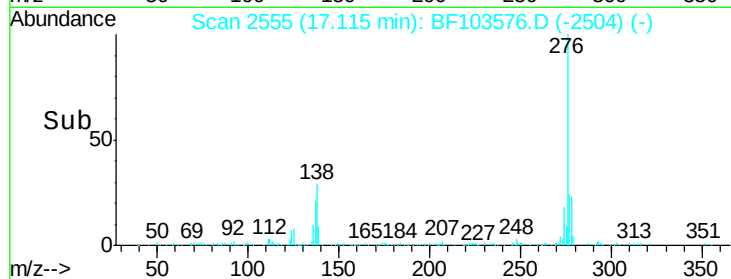
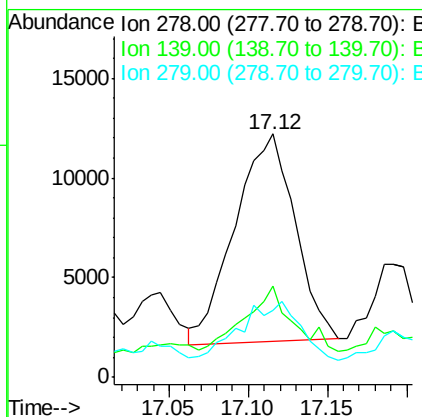
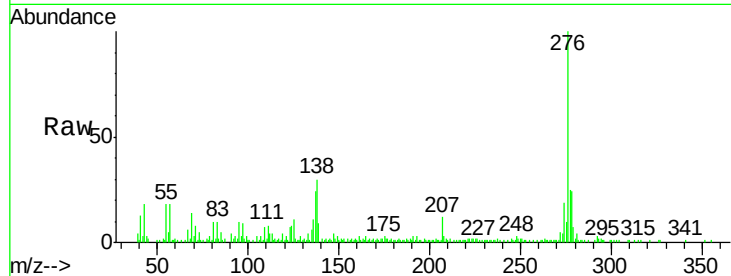
#90
Dibenzo(a,h)anthracene
Concen: 2.822 ng
RT: 17.12 min Scan# 2555
Delta R.T. 0.00 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
SB-10-08-12

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.6	15.9	23.9#
279	27.7	19.0	28.4

Manual Integrations
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Sohil
3/13/2018 4:12:50 PM



#91
Benzo(g,h,i)perylene
Concen: 10.775 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.00 min
Lab File: BF103576.D
Acq: 12 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	30.6	21.8	32.8

