

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103975.D
 Acq On : 27 Mar 2018 17:44
 Operator : JU/SJ
 Sample : J2050-04 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-DB

Manual Integrations
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Quant Time: Mar 28 05:00:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	136682	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	529006	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	224356	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	339731	20.00	ng	0.00
75) Chrysene-d12	14.17	240	225341	20.00	ng	0.00
86) Perylene-d12	15.72	264	220102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	454113	50.53	ng	0.00
7) Phenol-d6	6.60	99	549594	49.99	ng	0.00
23) Nitrobenzene-d5	7.53	82	301157	39.70	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	111066	57.58	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	486052	34.56	ng	0.00
78) Terphenyl-d14	13.09	244	332819	34.28	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	97192	3.637	ng	97
37) 2-Methylnaphthalene	8.97	142	124227	7.331	ng	98
48) Acenaphthylene	9.87	152	52425	2.275	ng	# 73
51) Acenaphthene	10.05	154	75887	5.547	ng	92
54) Dibenzofuran	10.22	168	71103	3.639	ng	# 93
57) Fluorene	10.56	166	115944	7.647	ng	# 97
70) Phenanthrene	11.54	178	970611	52.228	ng	99
71) Anthracene	11.59	178	265074	14.044	ng	99
72) Carbazole	11.74	167	85955	4.685	ng	# 87
74) Fluoranthene	12.75	202	1319772	68.933	ng	98
77) Pyrene	12.97	202	1153446	69.699	ng	99
80) Benzo(a)anthracene	14.16	228	624420	43.776	ng	99
82) Chrysene	14.20	228	537765	39.550	ng	98
83) Bis(2-ethylhexyl)phthalate	14.12	149	43732	4.175	ng	# 87
85) Indeno(1,2,3-cd)pyrene	17.32	276	248722	20.946	ng	# 93
87) Benzo(b)fluoranthene	15.26	252	634236m	45.610	ng	
88) Benzo(k)fluoranthene	15.29	252	234292m	17.528	ng	
89) Benzo(a)pyrene	15.66	252	458085	36.320	ng	# 96
90) Dibenzo(a,h)anthracene	17.32	278	63546	5.819	ng	# 78
91) Benzo(a,h,i)perylene	17.82	276	246027	23.157	ng	94

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

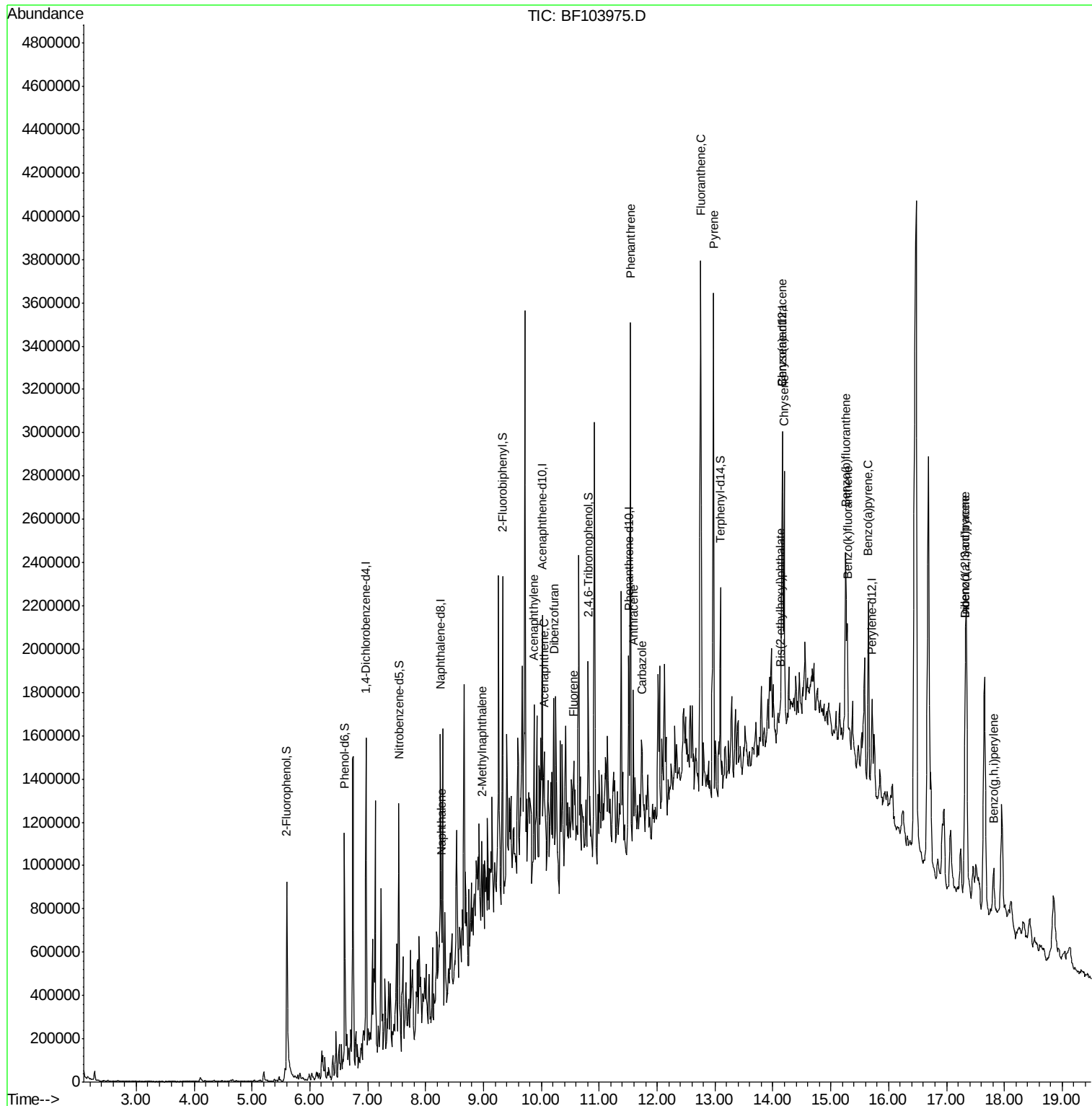
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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ALS Vial : 7 Sample Multiplier: 1

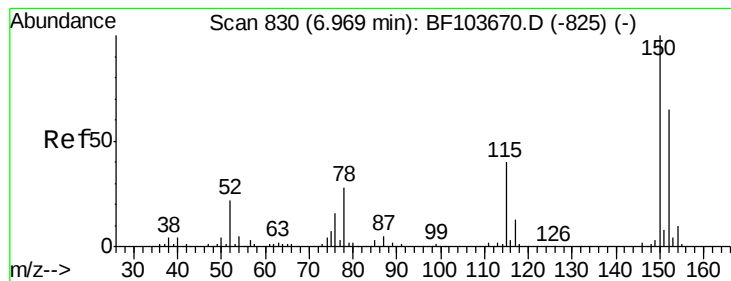
Instrument :
BNA_F
ClientSampled :
TP-3-DB

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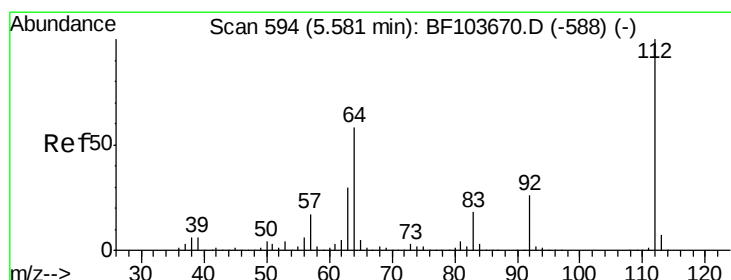
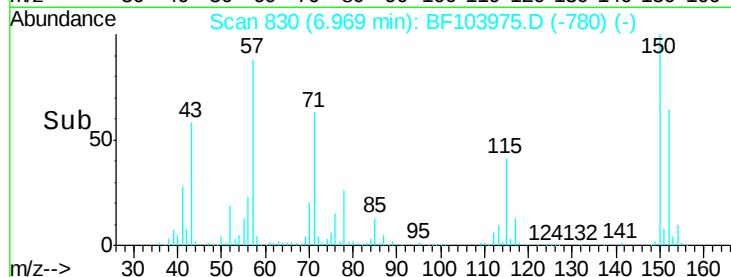
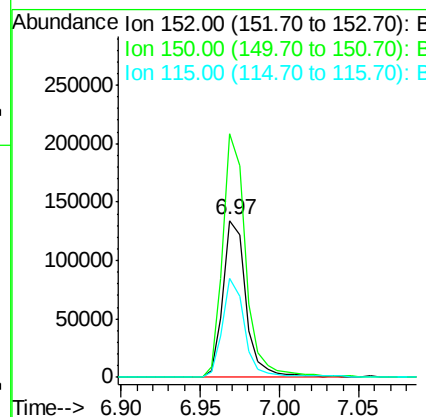
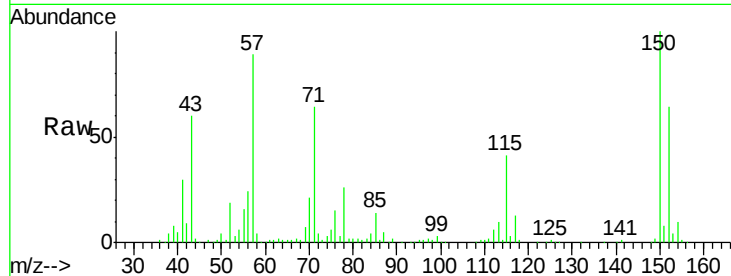
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Instrument :
 BNA_F
 ClientSampleID :
 TP-3-DB

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	63.1	50.1	75.1

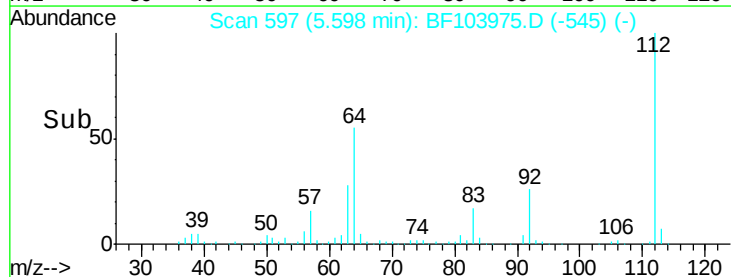
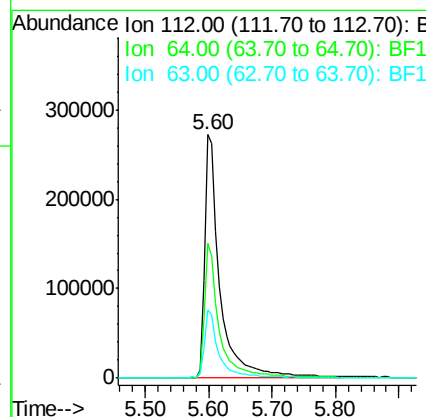
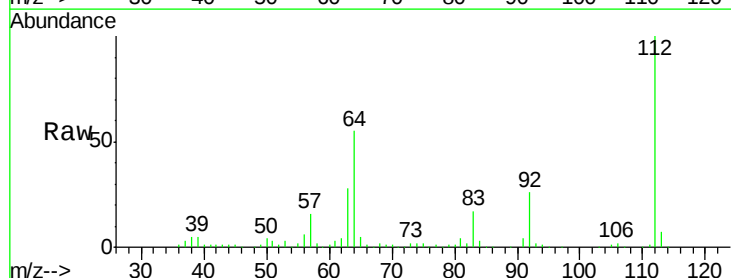
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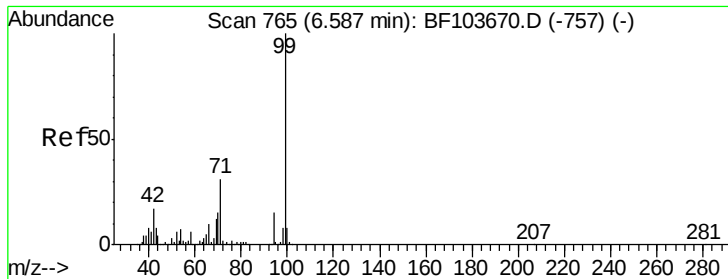
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#5
 2-Fluorophenol
 Concen: 50.534 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 49.990 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

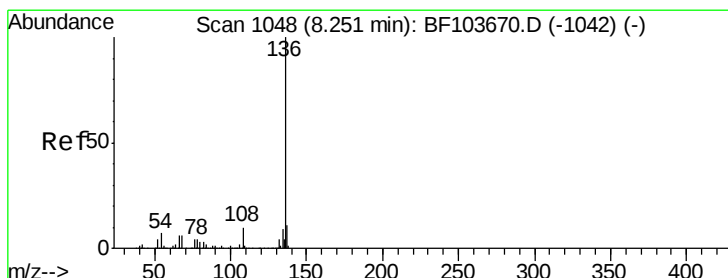
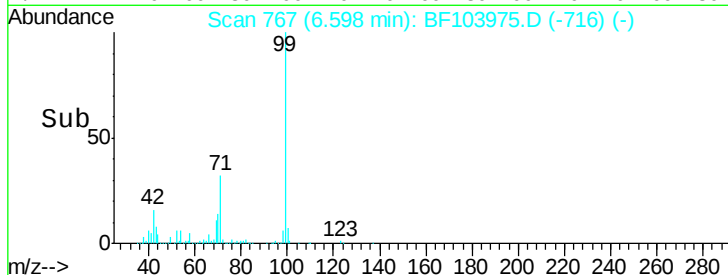
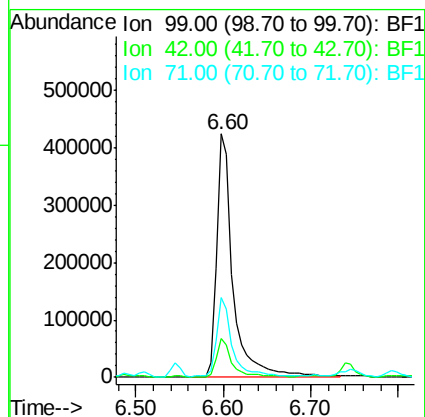
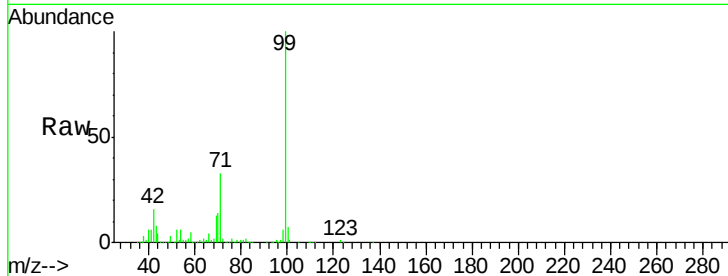
ClientSampled :

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Tot Ion:	99	Resp:	549594
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

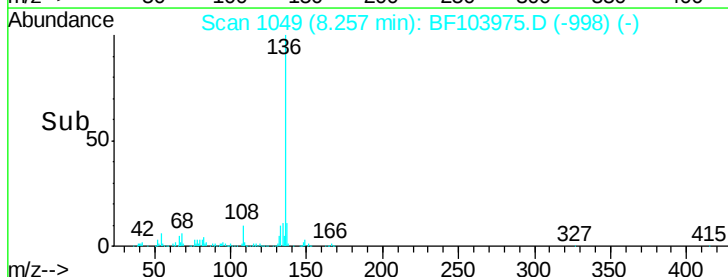
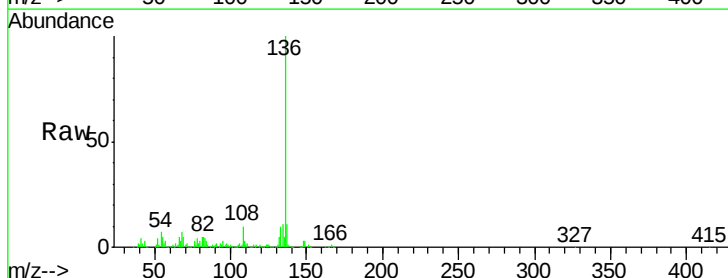
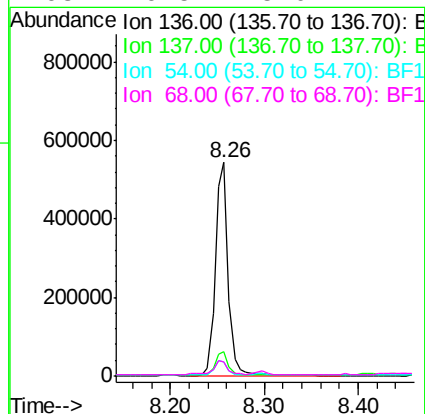
RT: 8.26 min Scan# 1049

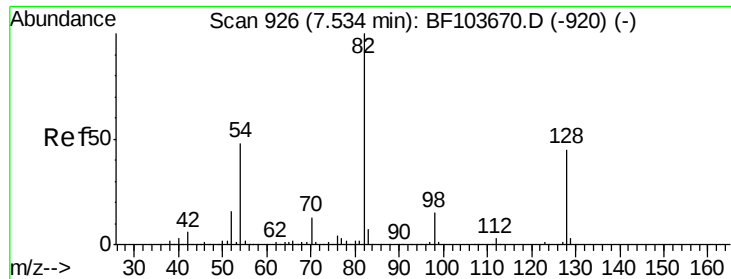
Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Tgt Ion:	136	Resp:	529006
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	6.7	6.6	9.8
68	6.5	5.0	7.4





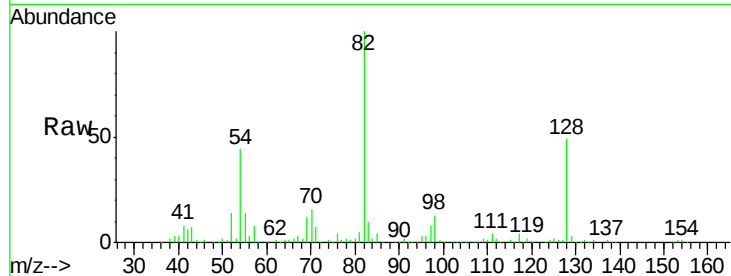
#23
Nitrobenzene-d5
Concen: 39.700 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :
TP-3-DB

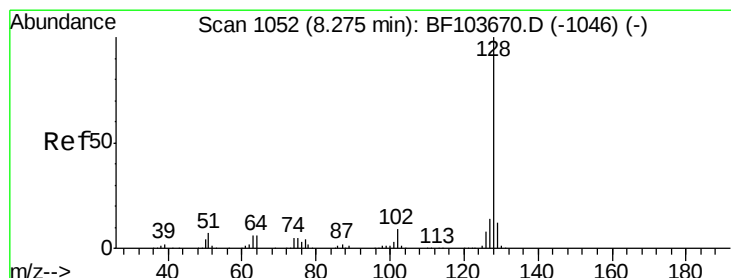
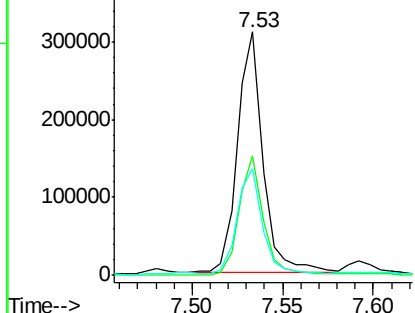
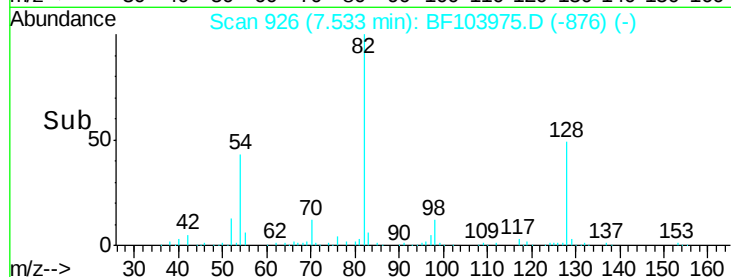
Tot Ion	Ratio	Resp	Lower	Upper
82	100	301157		
128	48.9	36.1	54.1	
54	43.6	41.4	62.2	

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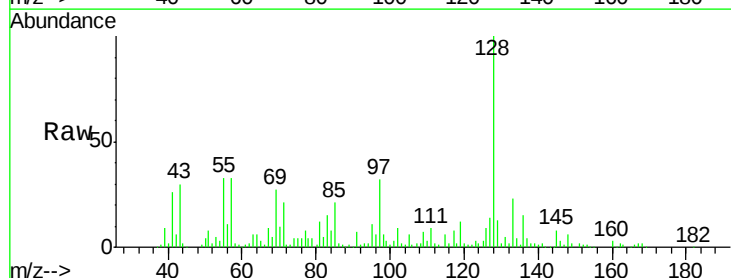


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

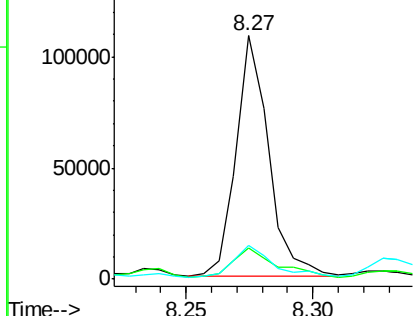
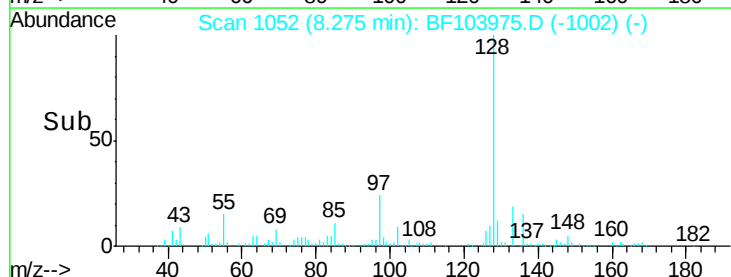


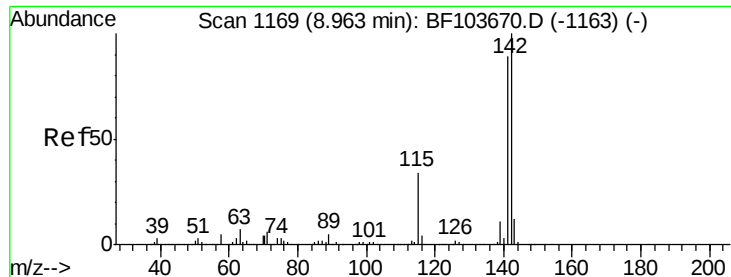
#31
Naphthalene
Concen: 3.637 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	97192		
129	12.9	8.8	13.2	
127	13.9	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





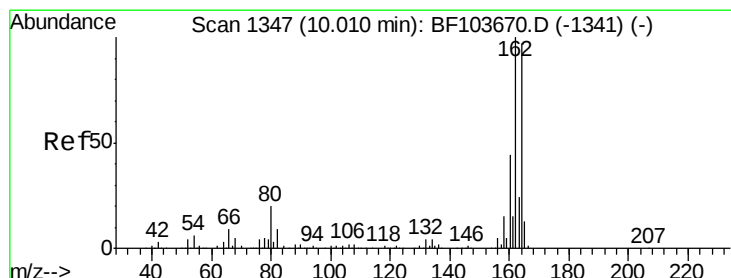
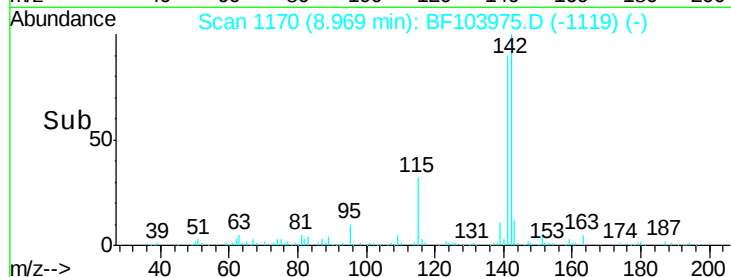
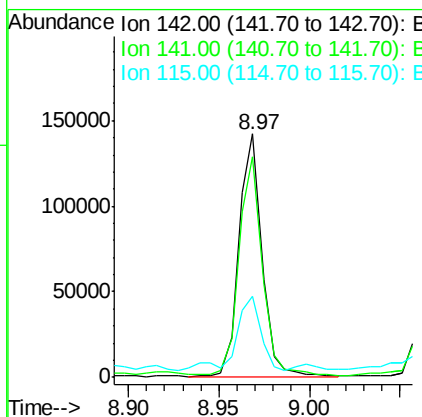
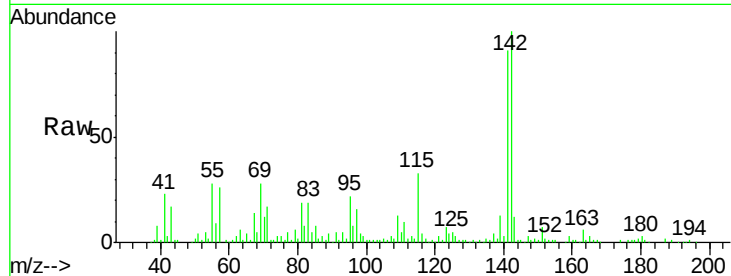
#37
2-Methylnaphthalene
Concen: 7.331 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampleId :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.8	106.2
115	33.3	26.1	39.1

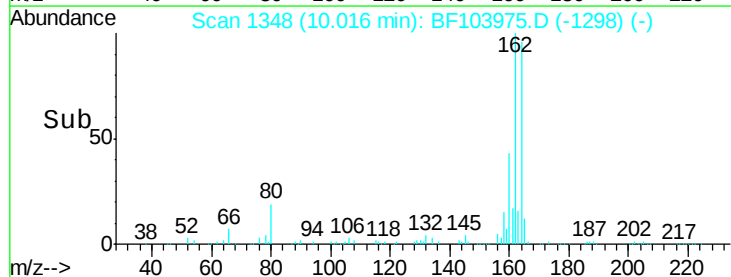
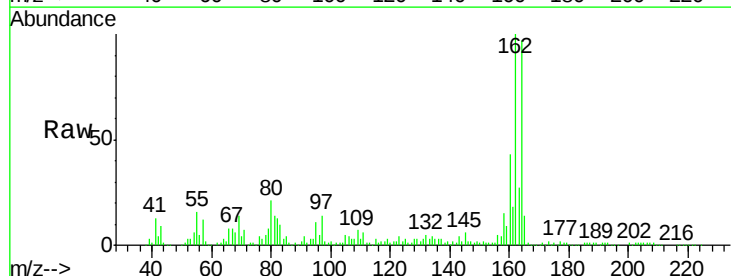
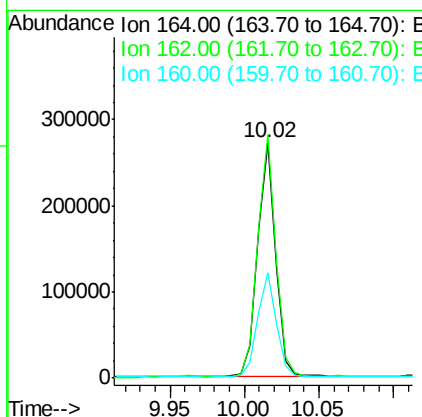
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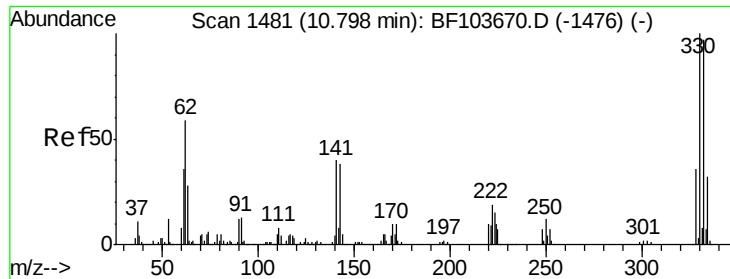
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.0	38.3	57.5





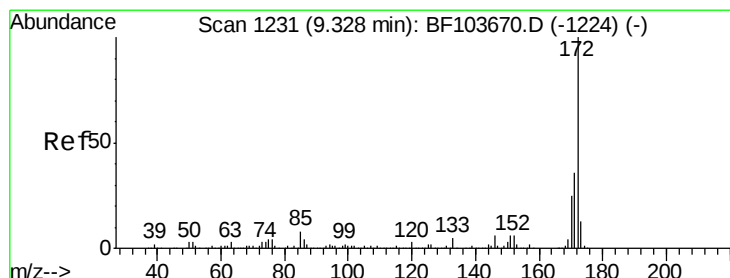
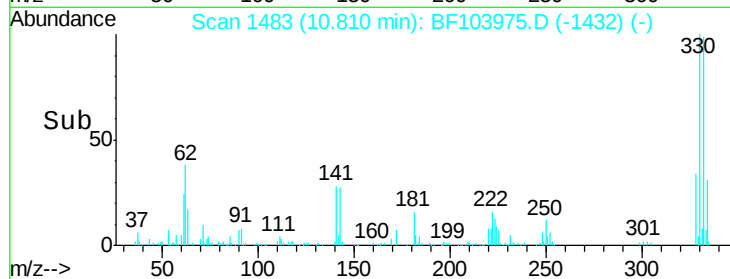
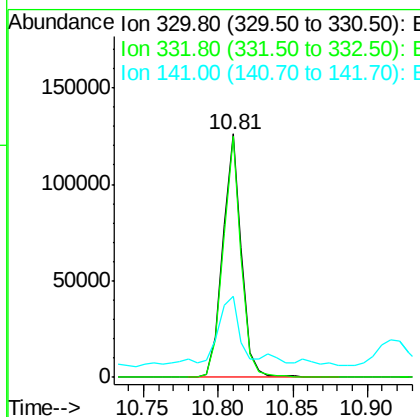
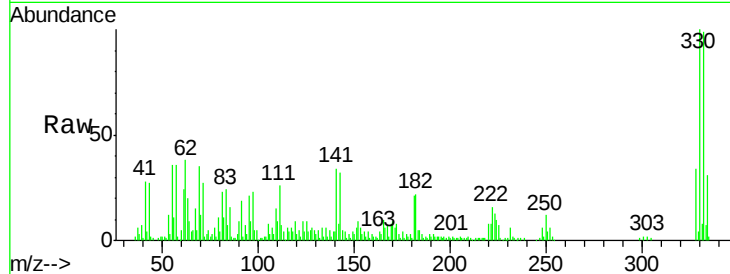
#41
 2,4,6-Tribromophenol
 Concen: 57.576 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Instrument :
 BNA_F
 ClientSampled :
 TP-3-DB

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	38.0	29.9	44.9

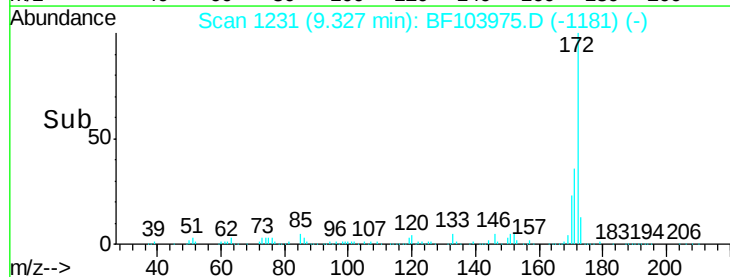
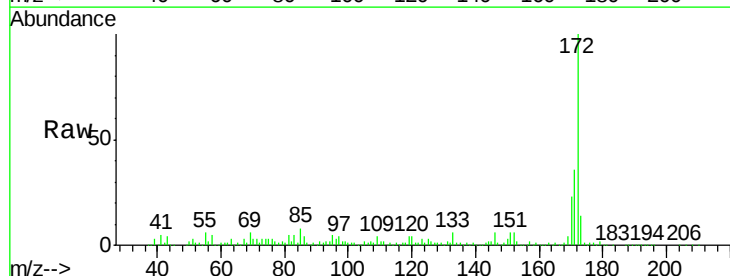
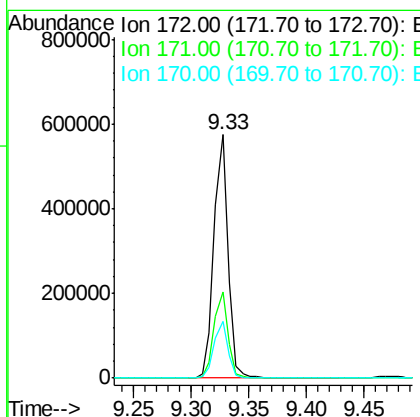
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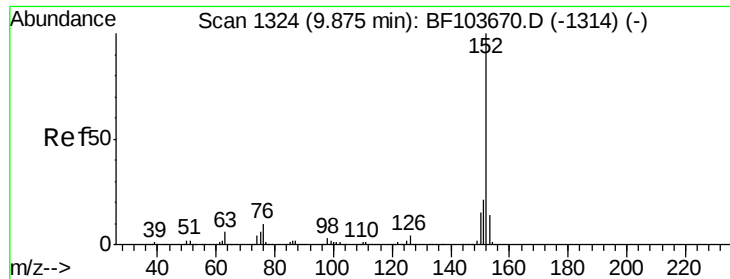
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#44
 2-Fluorobiphenyl
 Concen: 34.558 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.3	19.6	29.4





#48

Acenaphthylene

Concen: 2.275 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

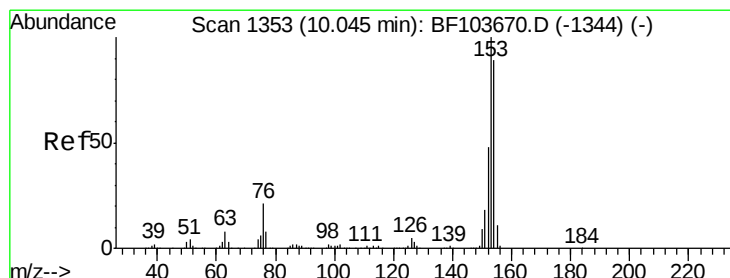
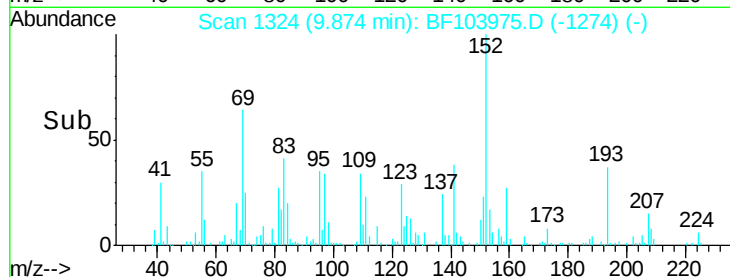
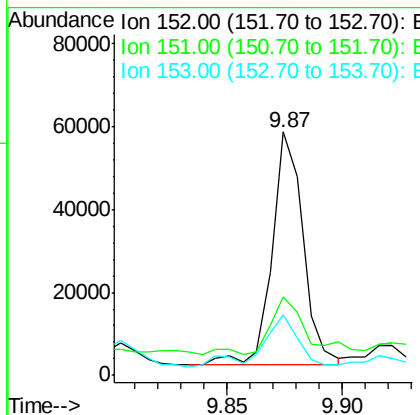
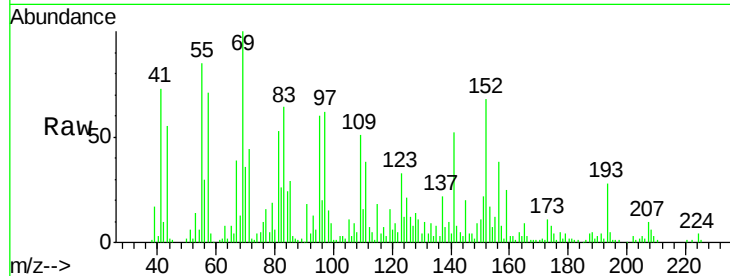
ClientSampleId :

TP-3-DB

Tot Ion:	152	Resp:	52425
Ion Ratio	Lower	Upper	
152	100		
151	32.1	16.3	24.5#
153	24.8	10.7	16.1#

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#51

Acenaphthene

Concen: 5.547 ng

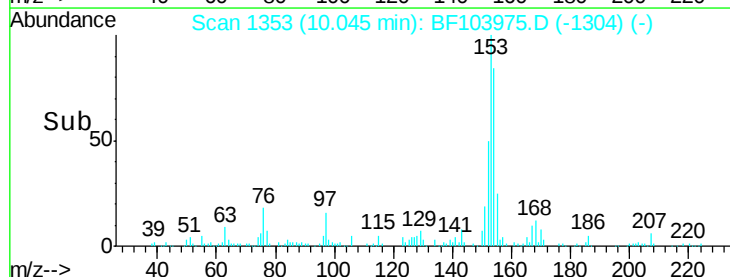
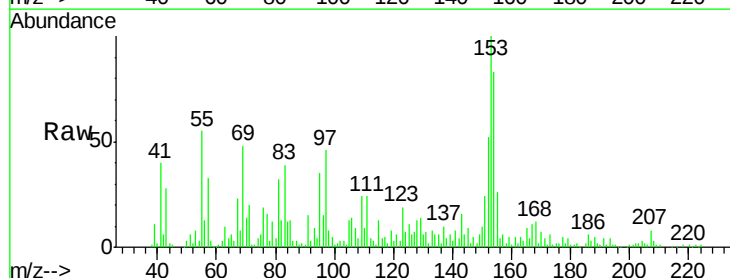
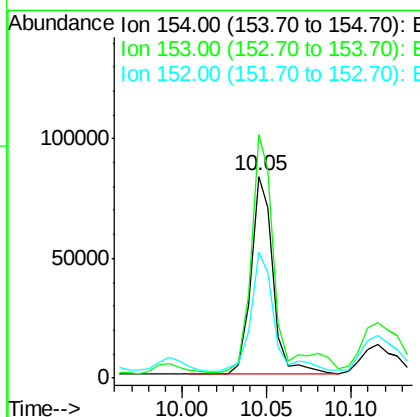
RT: 10.05 min Scan# 1353

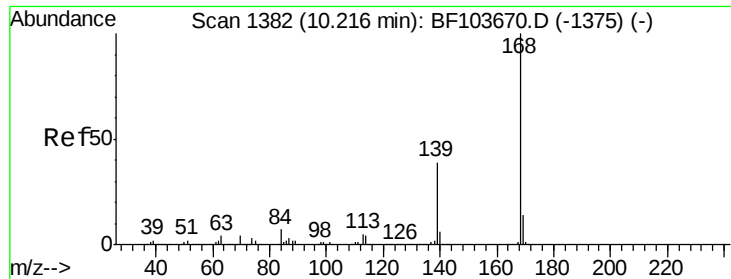
Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Tgt Ion:	154	Resp:	75887
Ion Ratio	Lower	Upper	
154	100		
153	120.9	91.2	136.8
152	62.7	43.8	65.8





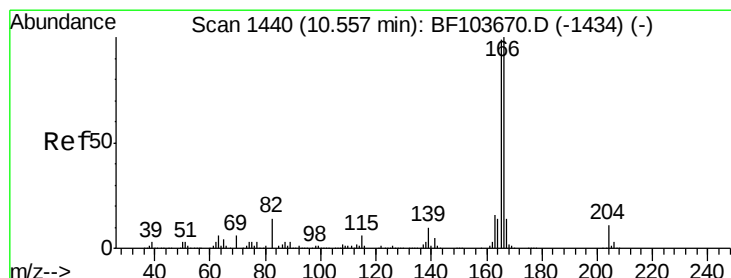
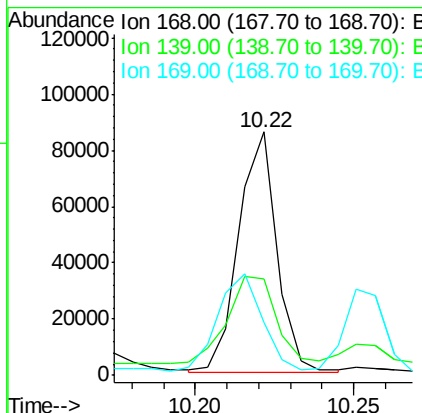
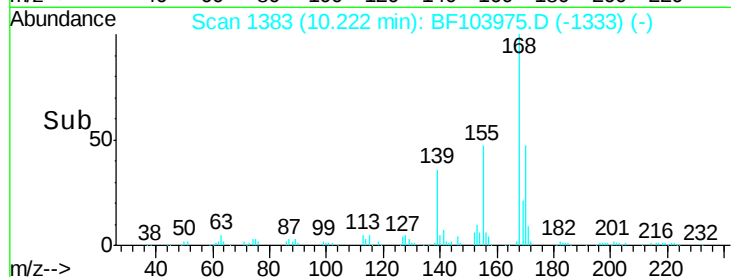
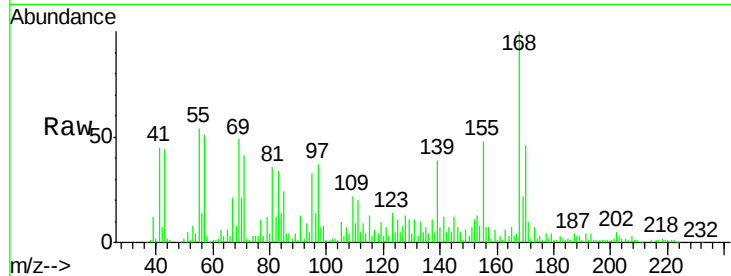
#54
Dibenzenofuran
Concen: 3.639 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampleId :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	21.7	10.9	16.3

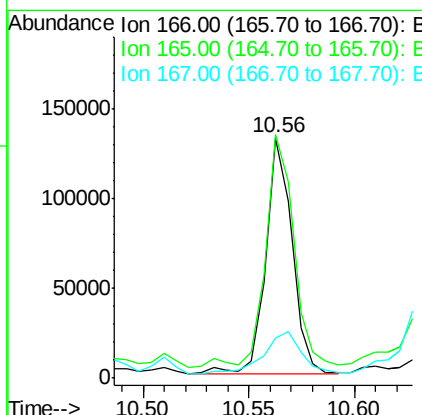
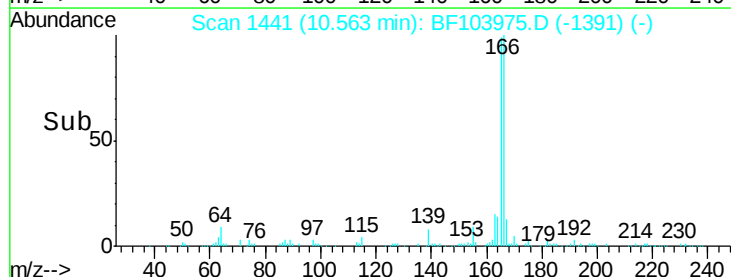
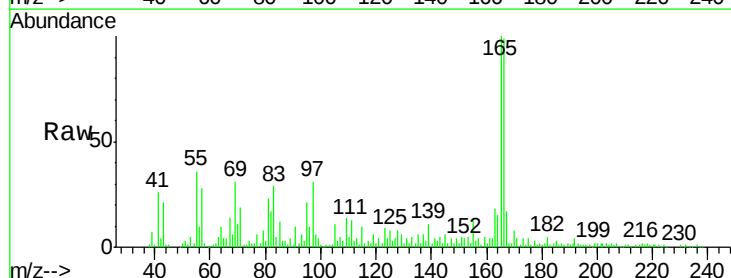
Manual Integrations
APPROVED

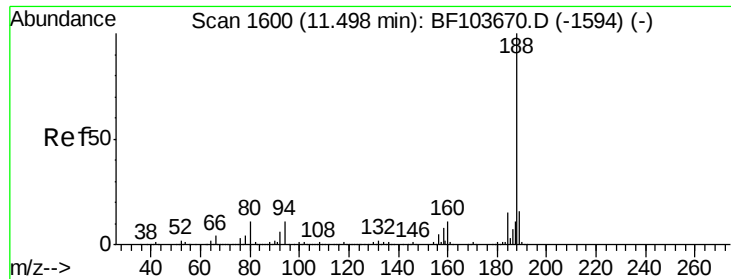
Sohil
3/28/2018 4:54:14 PM



#57
Fluorene
Concen: 7.647 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.8	119.8
167	17.0	10.6	16.0





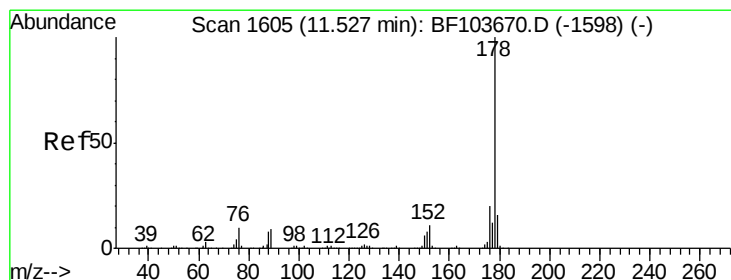
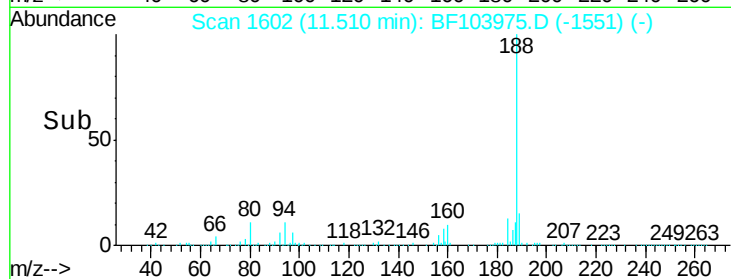
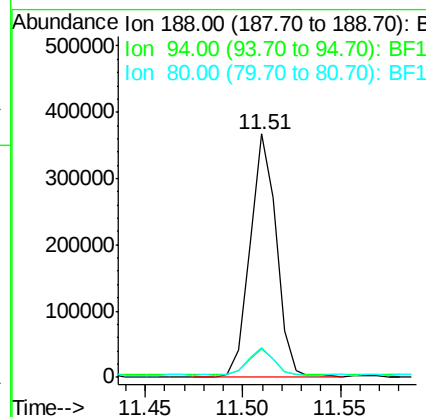
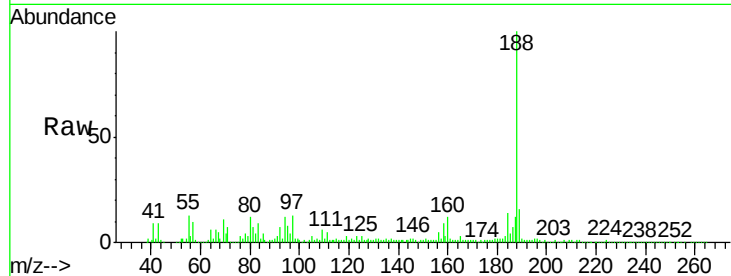
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :
TP-3-DB

Tot Ion	Ratio	Resp	Lower	Upper
188	100	339731		
94	11.7		8.5	12.7
80	12.1		9.2	13.8

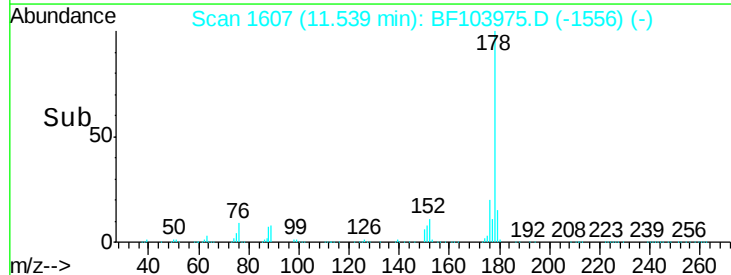
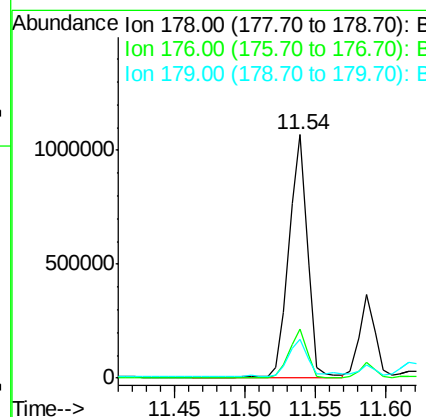
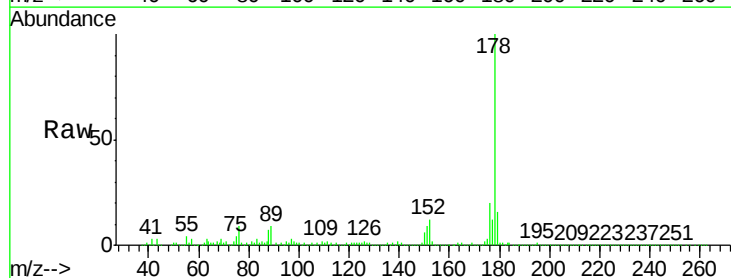
Manual Integrations
APPROVED

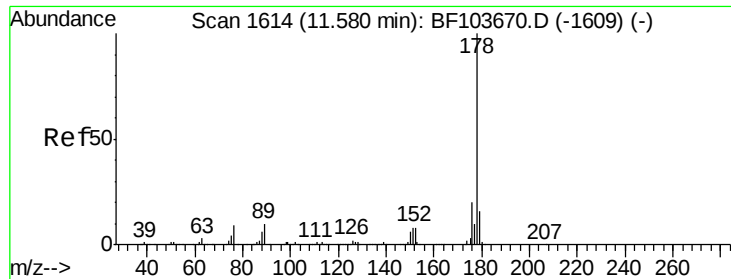
Sohil
3/28/2018 4:54:14 PM



#70
Phenanthrene
Concen: 52.228 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	970611		
176	20.2		15.8	23.8
179	16.0		13.0	19.6





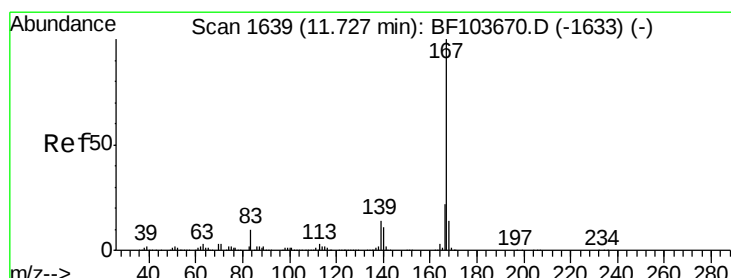
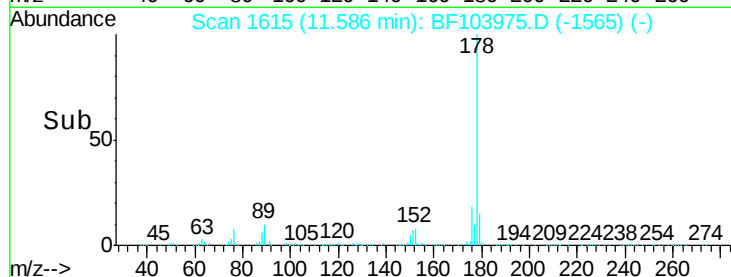
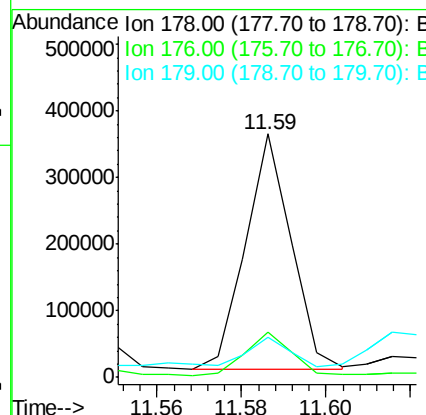
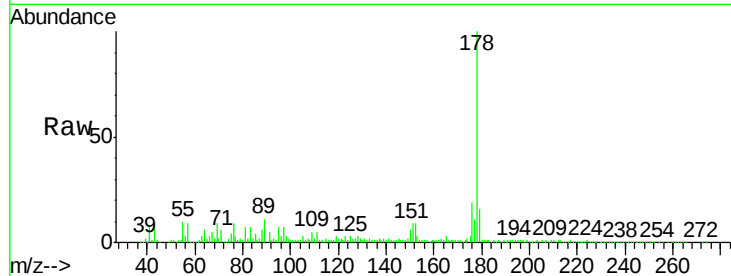
#71
 Anthracene
 Concen: 14.044 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Instrument :
 BNA_F
 ClientSampleID :
 TP-3-DB

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.3	12.6	19.0

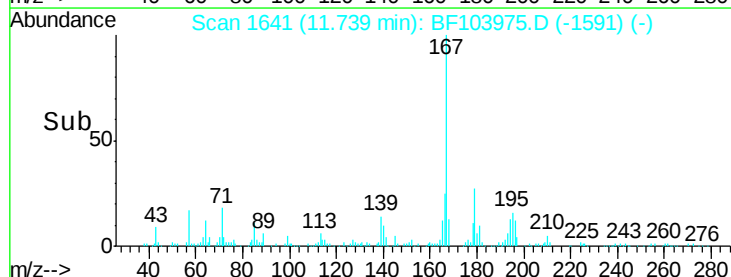
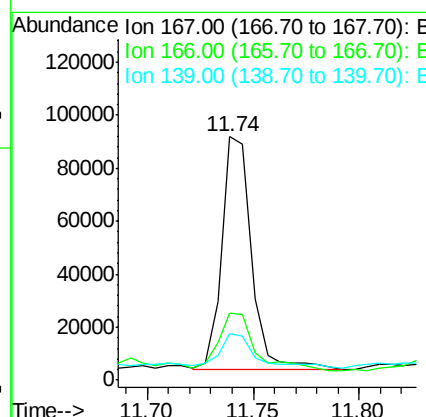
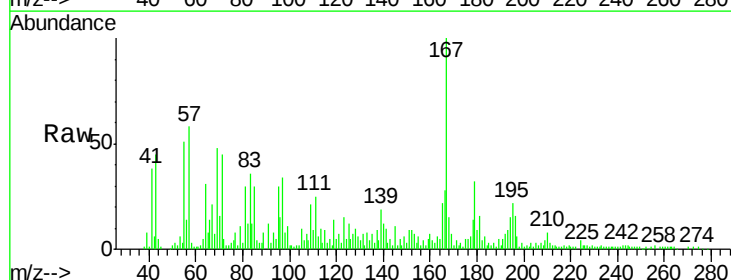
Manual Integrations
 APPROVED

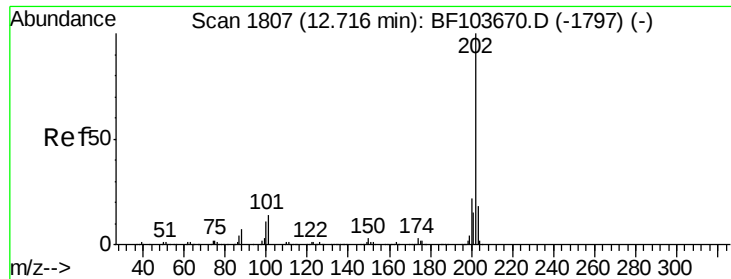
Sohil
 3/28/2018 4:54:14 PM



#72
 Carbazole
 Concen: 4.685 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.7	17.6	26.4#
139	19.0	10.9	16.3#





#74

Fluoranthene

Concen: 68.933 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampled :

TP-3-DB

Tot Ion:202 Resp: 1319772

Ion Ratio Lower Upper

202 100

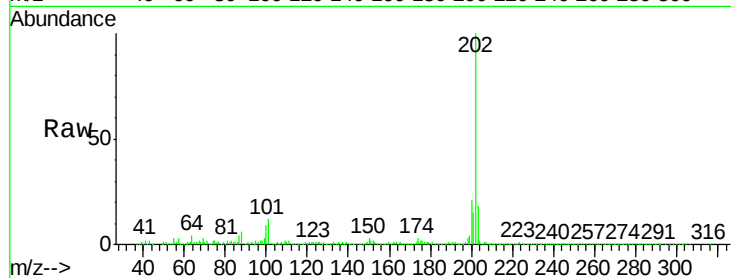
101 12.2 0.0 34.1

203 18.0 0.0 38.1

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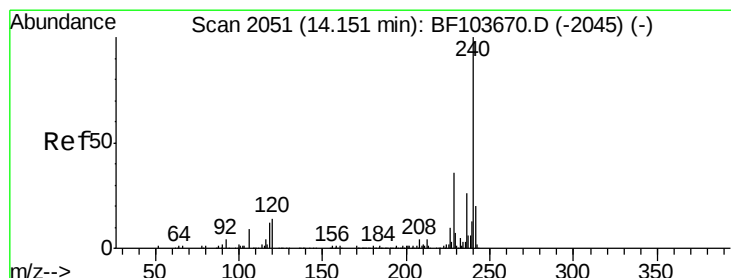
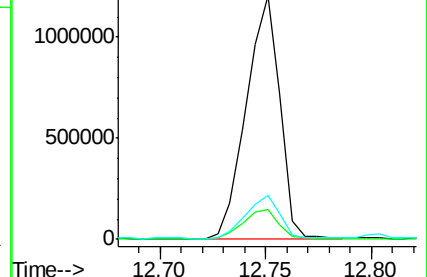
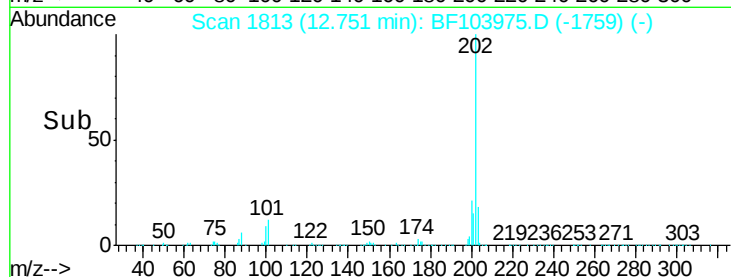
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

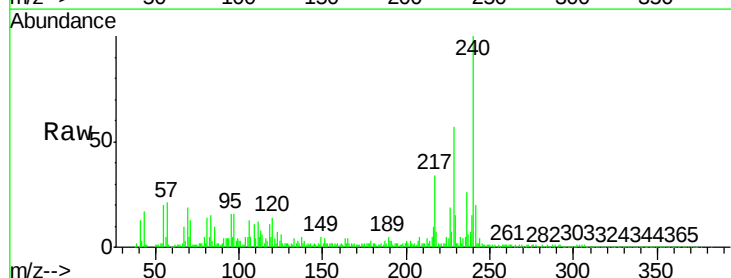
Tgt Ion:240 Resp: 225341

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

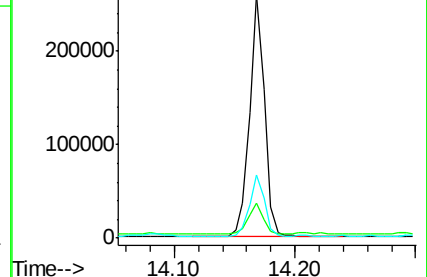
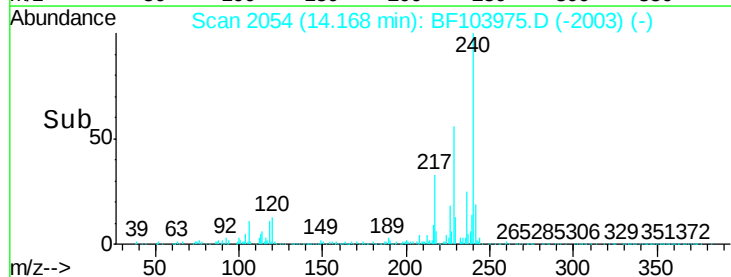
236 25.7 20.7 31.1

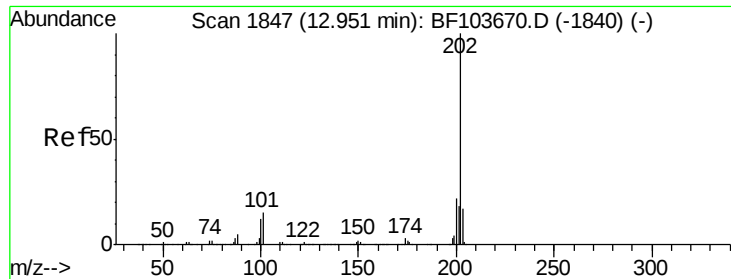


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





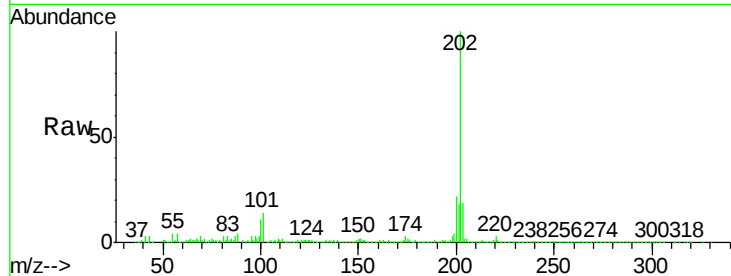
#77
Pvrene
Concen: 69.699 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :
TP-3-DB

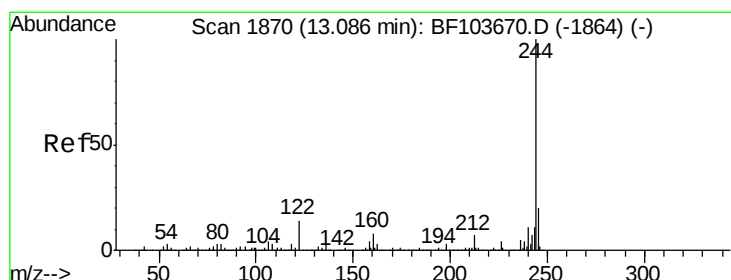
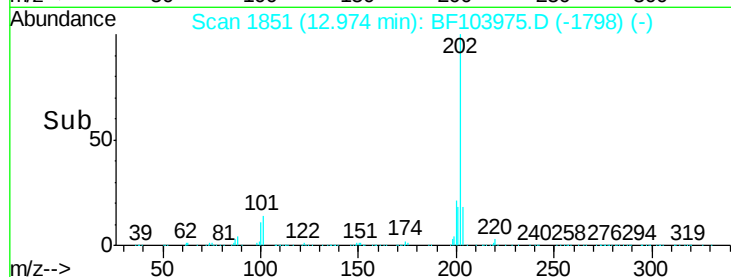
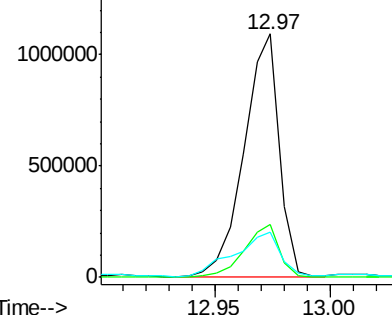
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.5	14.3	21.5

Manual Integrations
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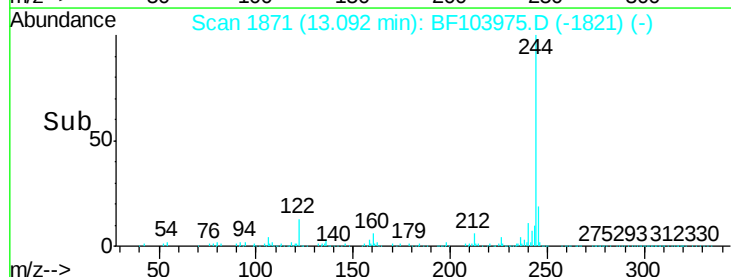
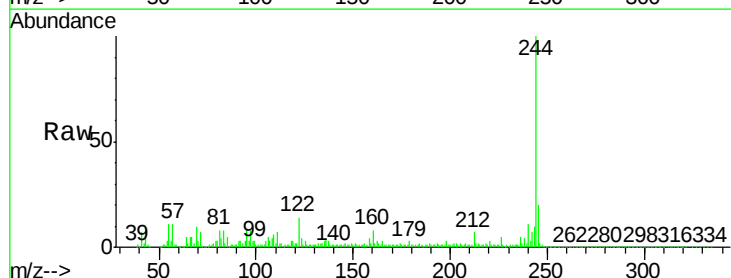
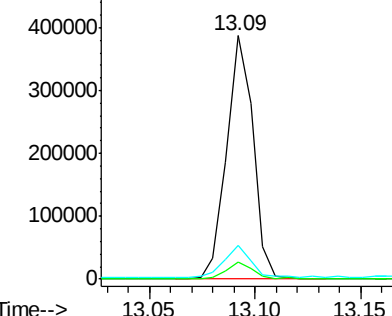
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

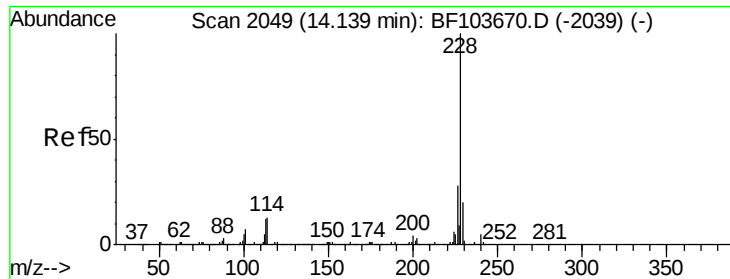


#78
Terphenyl-d14
Concen: 34.282 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

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

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





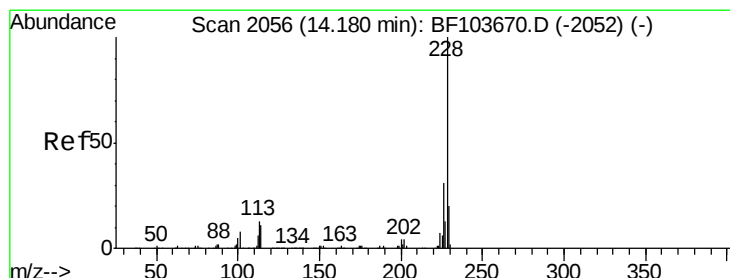
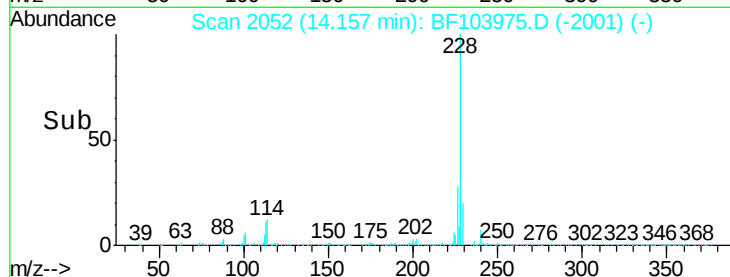
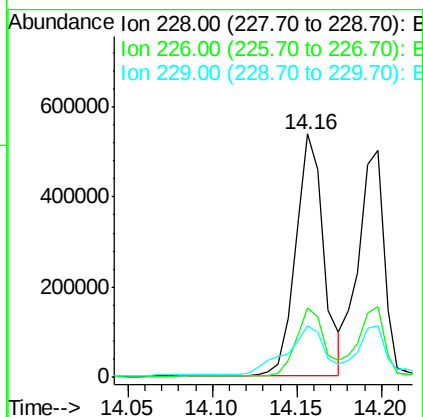
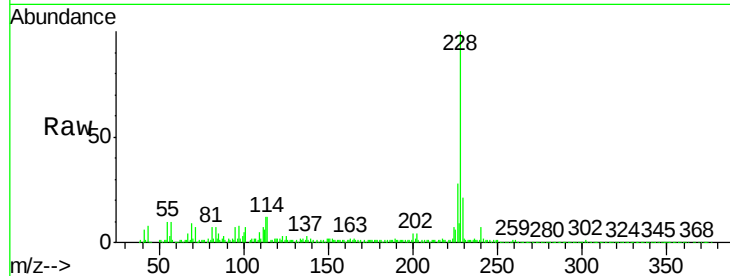
#80
Benzo(a)anthracene
Concen: 43.776 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.2	15.8	23.6

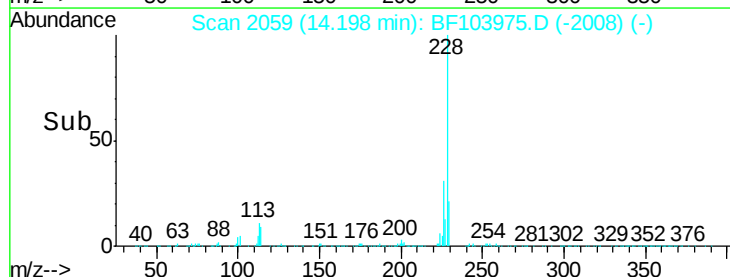
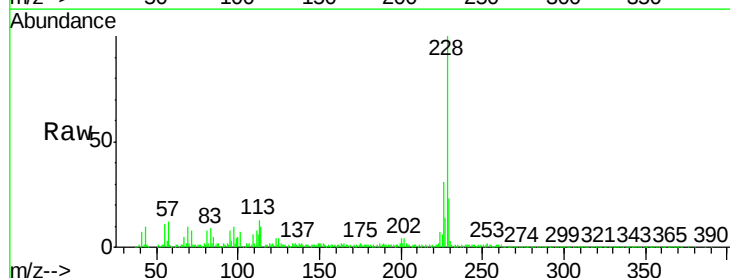
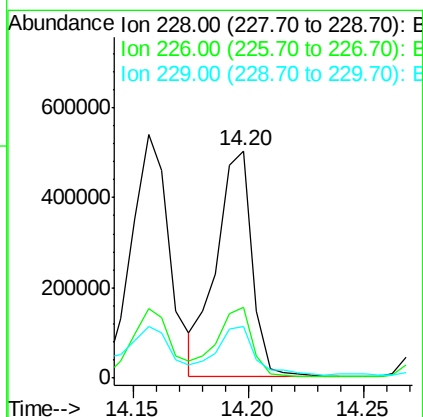
Manual Integrations
APPROVED

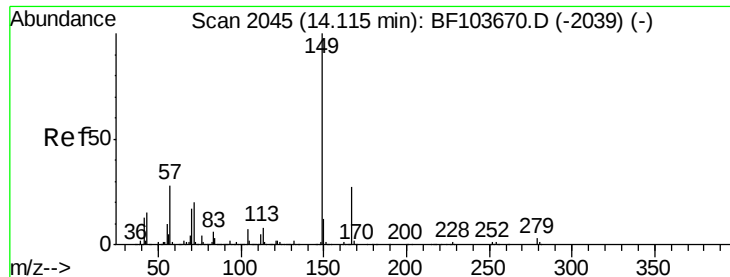
Sohil
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#82
Chrysene
Concen: 39.550 ng
RT: 14.20 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.8	16.2	24.4





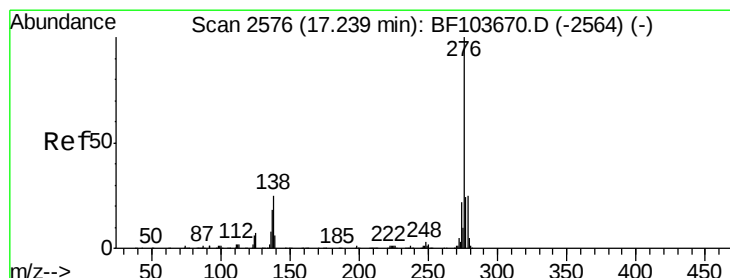
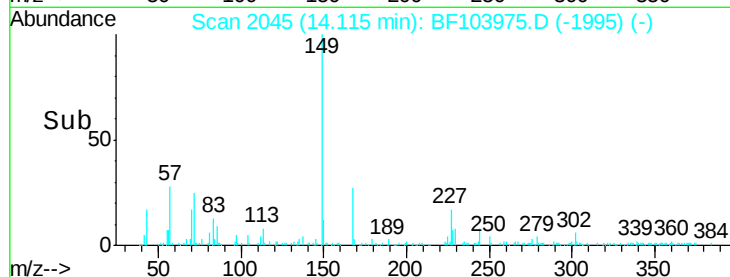
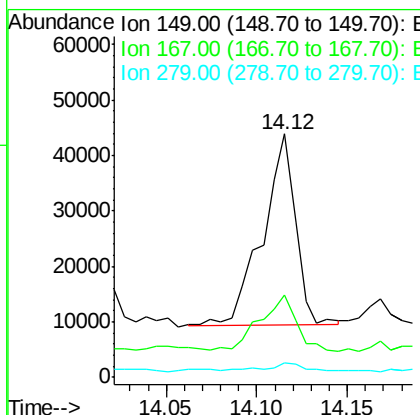
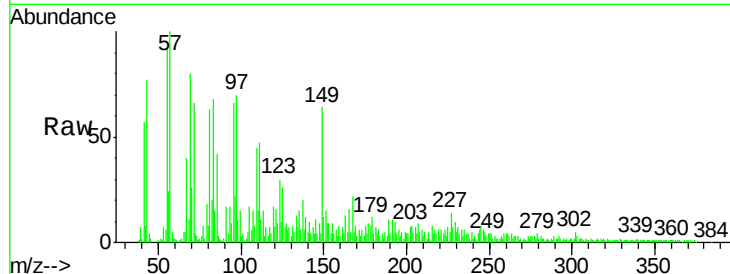
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.175 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
149	100		
167	33.8	21.3	31.9#
279	6.0	3.0	4.4#

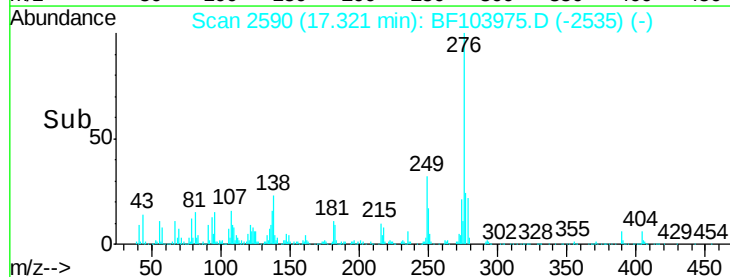
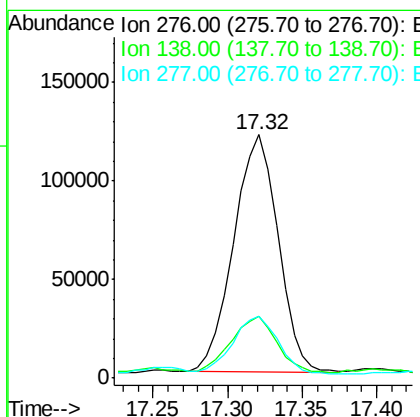
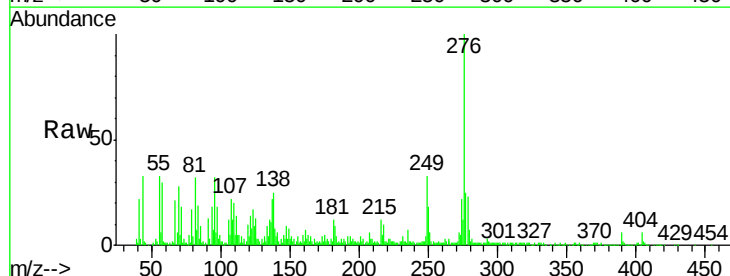
Manual Integrations
APPROVED

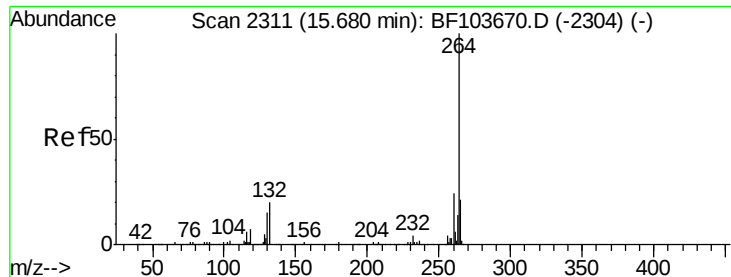
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 20.946 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.02 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	25.3	20.1	30.1





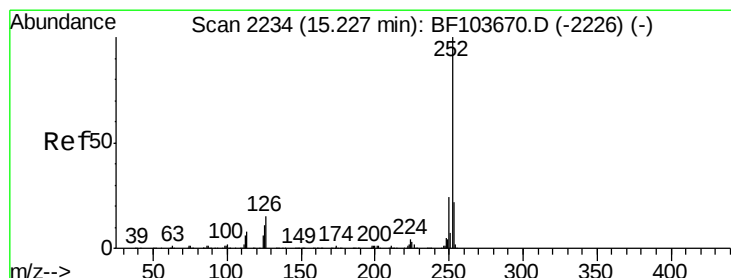
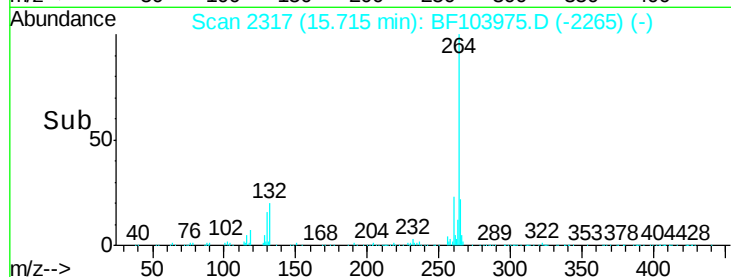
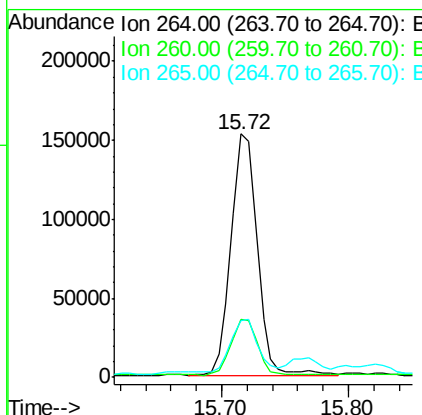
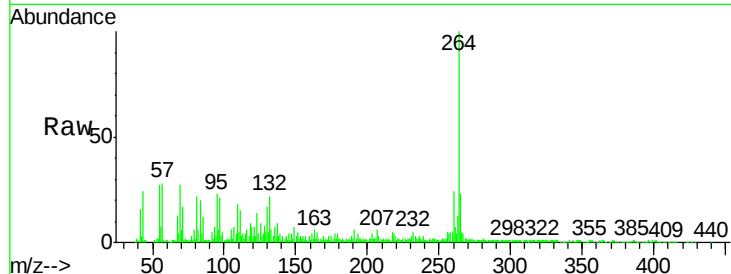
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampleId :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.2	17.5	26.3

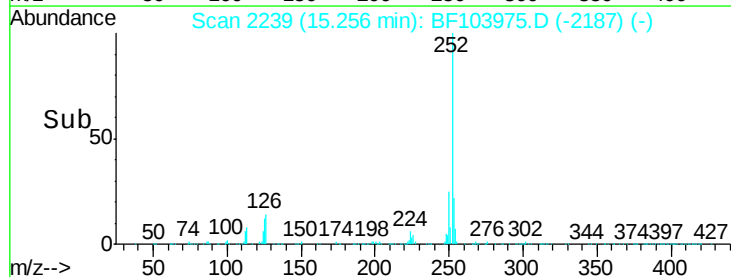
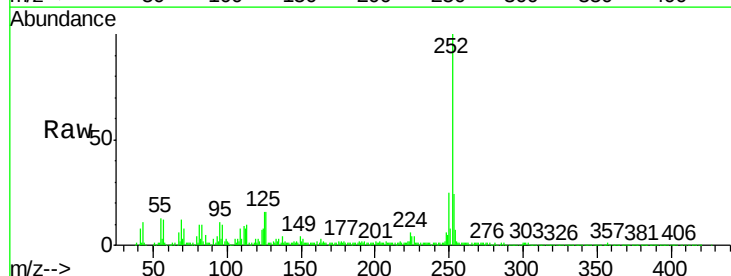
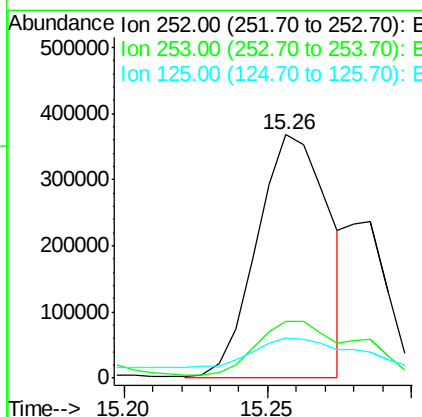
Manual Integrations
APPROVED

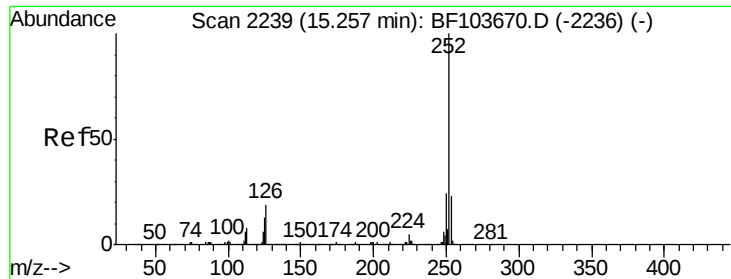
Sohil
3/28/2018 4:54:14 PM



#87
Benzo(b)fluoranthene
Concen: 45.610 ng m
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	16.4	9.0	13.6#





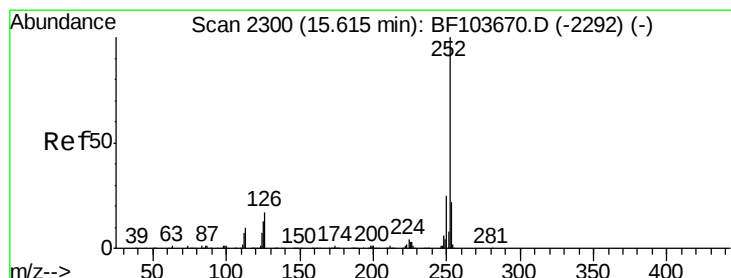
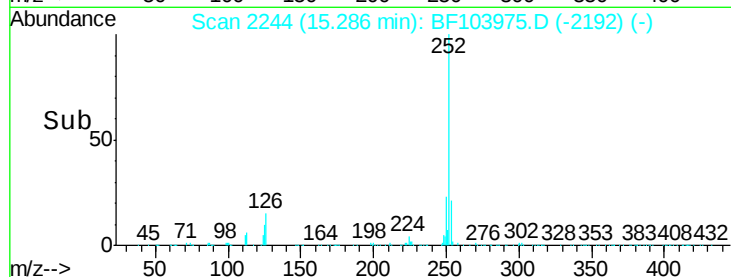
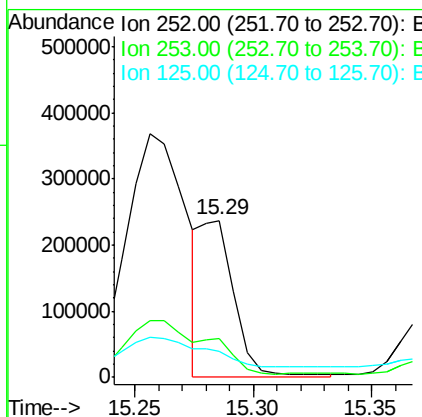
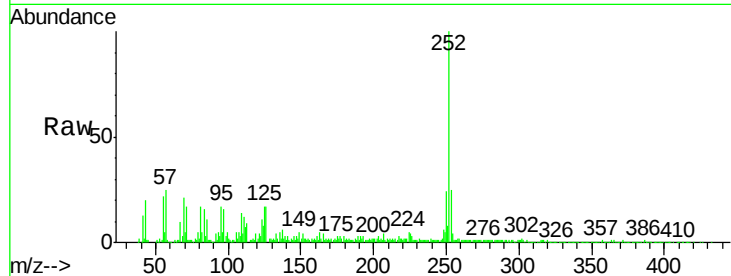
#88
Benzo(k)fluoranthene
Concen: 17.528 ng m
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	16.9	10.2	15.2

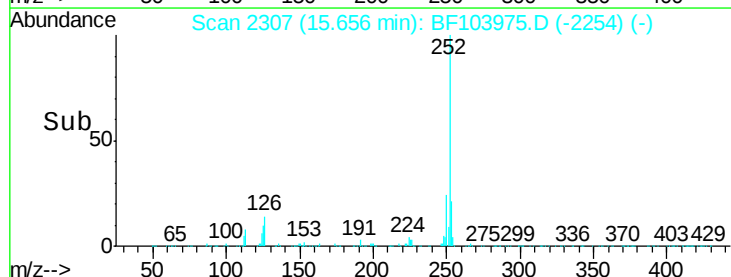
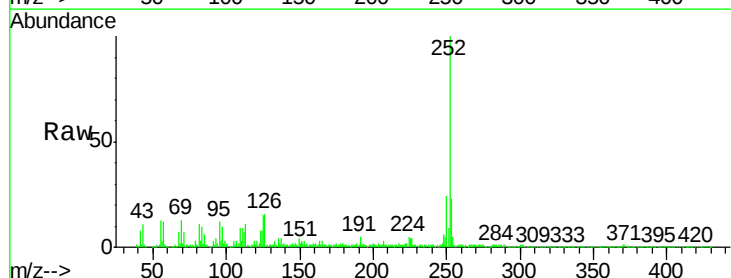
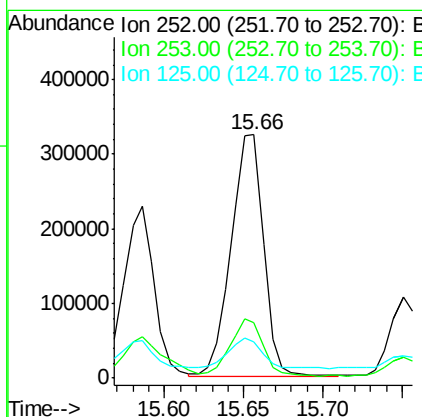
Manual Integrations
APPROVED

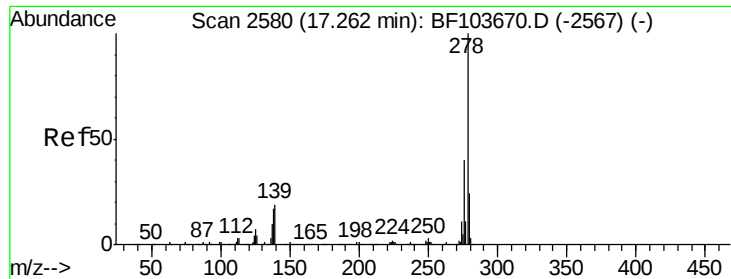
Sohil
3/28/2018 4:54:14 PM



#89
Benzo(a)pyrene
Concen: 36.320 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.1	9.8	14.6





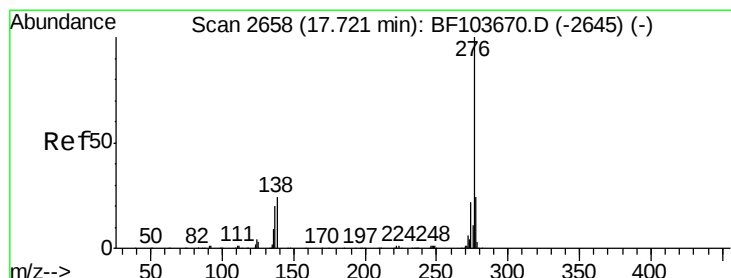
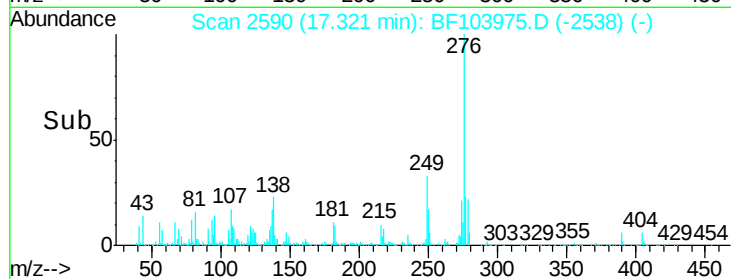
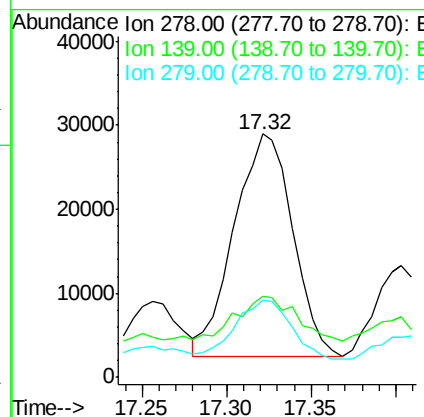
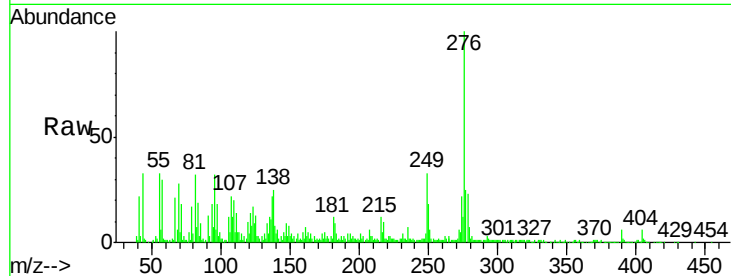
#90
Dibenzo(a,h)anthracene
Concen: 5.819 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampleId :
TP-3-DB

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.1	15.9	23.9#
279	31.9	19.0	28.4#

Manual Integrations
APPROVED

Sohil
3/28/2018 4:54:14 PM



#91
Benzo(g,h,i)perylene
Concen: 23.157 ng
RT: 17.82 min Scan# 2674
Delta R.T. 0.04 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	24.5	21.8	32.8

