

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105026.D
 Acq On : 2 May 2018 13:10
 Operator : JU/SJ
 Sample : J2652-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

Manual Integrations
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Sohil
 5/3/2018 5:00:47 PM

Quant Time: May 03 10:20:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	83450	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	314789	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	159539	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	251407	20.00	ng	0.00
75) Chrysene-d12	14.03	240	175481	20.00	ng	0.00
86) Perylene-d12	15.60	264	188910	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	478173	87.62	ng	0.00
7) Phenol-d6	6.43	99	570493	85.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	315571	65.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	129465	78.23	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	517448	51.24	ng	0.00
78) Terphenyl-d14	12.92	244	425559	55.29	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.12	128	4917686	313.732	ng	98
37) 2-Methylnaphthalene	8.81	142	2354587	232.226	ng	# 95
45) 1,1'-Biphenyl	9.26	154	562942	42.003	ng	98
48) Acenaphthylene	9.70	152	426548	25.681	ng	# 81
49) Dimethylphthalate	9.55	163	58638	4.661	ng	# 99
51) Acenaphthene	9.88	154	1375675	135.749	ng	99
54) Dibenzofuran	10.04	168	163447	11.573	ng	# 67
57) Fluorene	10.39	166	1134187	110.334	ng	98
70) Phenanthrene	11.37	178	3062441	218.735	ng	99
71) Anthracene	11.42	178	1282407	90.108	ng	99
74) Fluoranthene	12.56	202	1110894	75.943	ng	97
77) Pyrene	12.79	202	1563977	120.239	ng	98
80) Benzo(a)anthracene	14.02	228	696292m	66.418	ng	
82) Chrysene	14.06	228	597334	55.473	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	128772	14.078	ng	# 93
87) Benzo(b)fluoranthene	15.16	252	414743m	34.761	ng	
88) Benzo(k)fluoranthene	15.19	252	120400m	10.689	ng	
89) Benzo(a)pyrene	15.53	252	458331m	42.933	ng	
90) Dibenzo(a,h)anthracene	17.08	278	47988	5.473	ng	# 91
91) Benzo(a,h,i)perylene	17.53	276	128435	15.120	ng	95

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

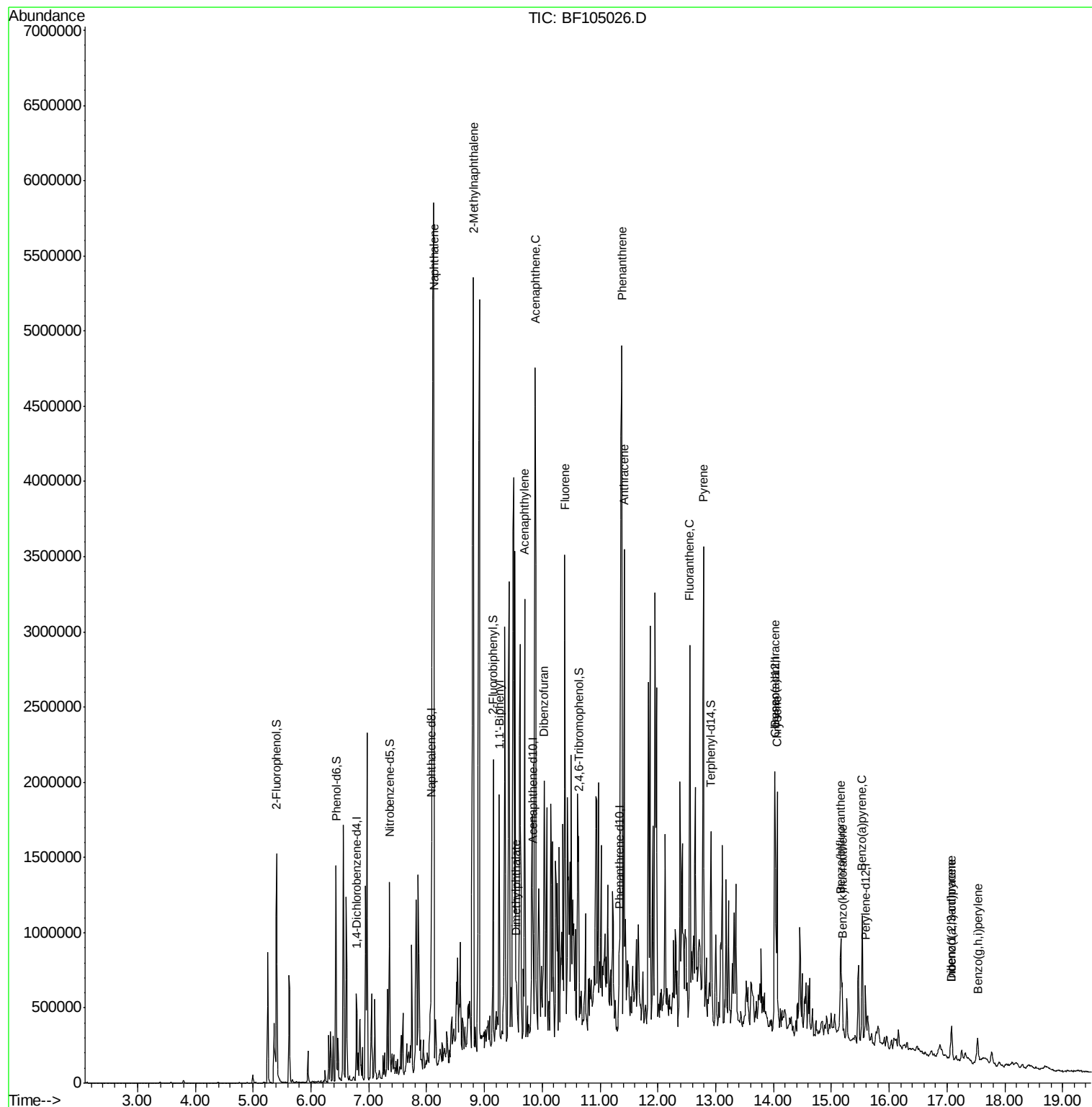
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105026.D
Acq On : 2 May 2018 13:10
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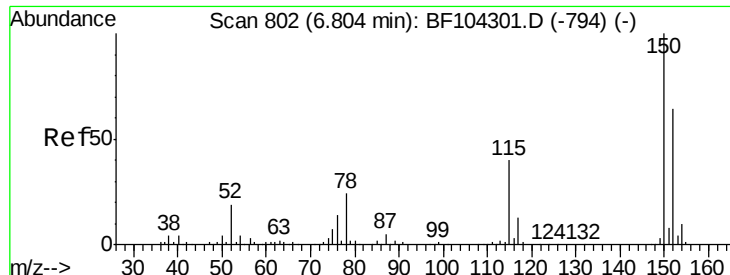
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

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Quant Time: May 03 10:20:45 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 2018
Response via : Initial Calibration





#1

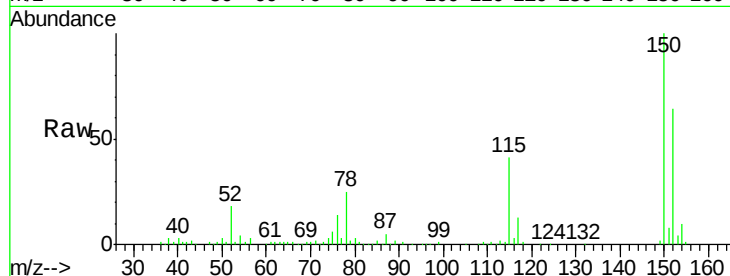
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	64.6	50.1	75.1

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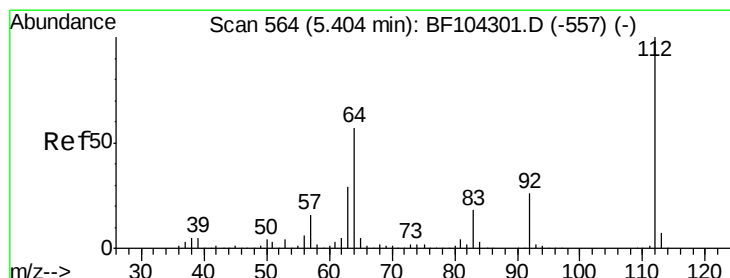
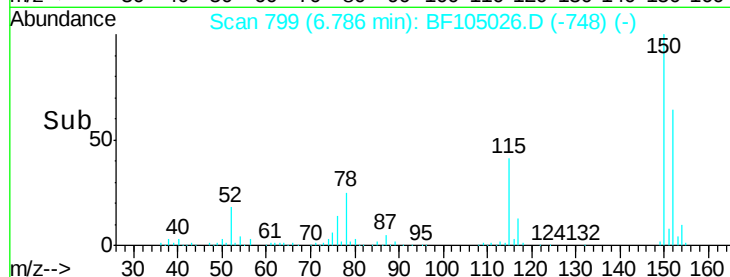
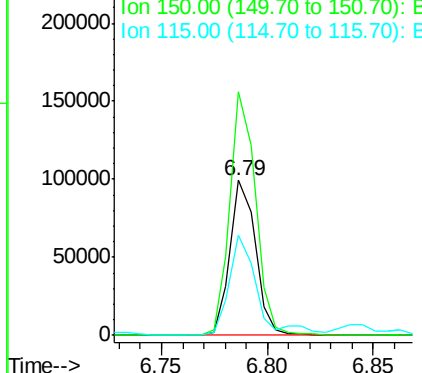


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

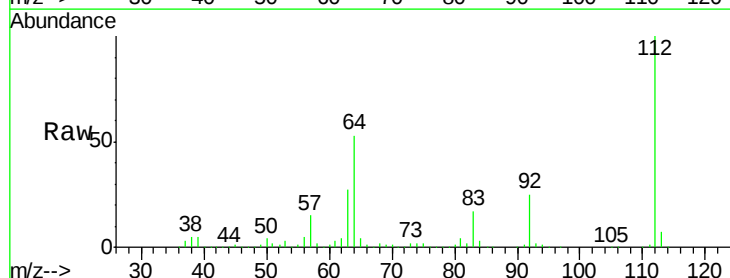
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.616 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	47.9	71.9
63	26.9	23.7	35.5

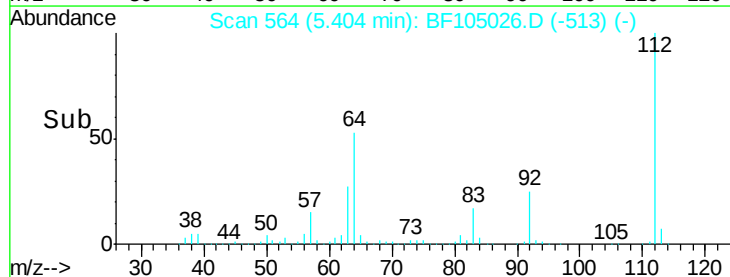
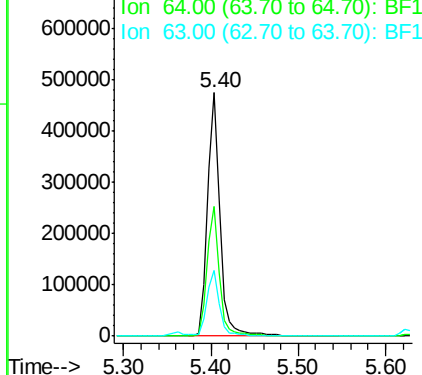


Abundance

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: 85.077 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

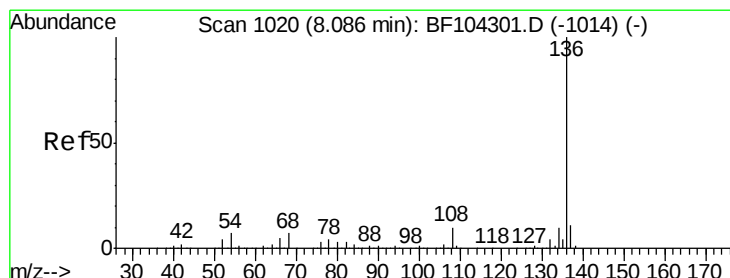
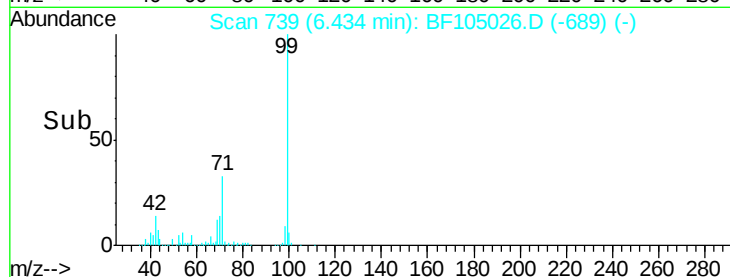
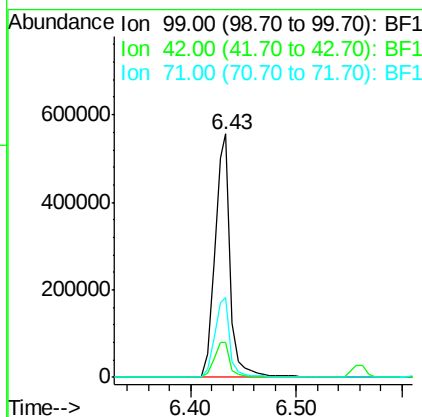
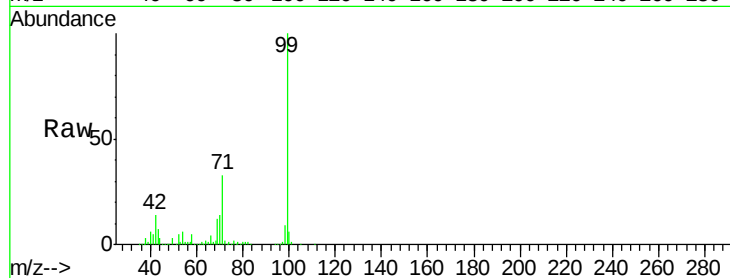
ClientSampleId :

COMPOSITE-P4-WC

Tot Ion:	99	Resp:	570493
Ion Ratio	Lower	Upper	
99	100		
42	14.1	14.5	21.7#
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

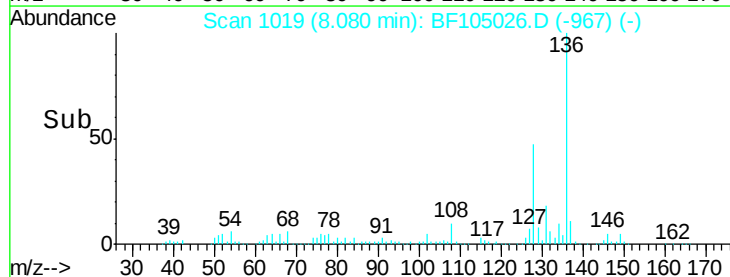
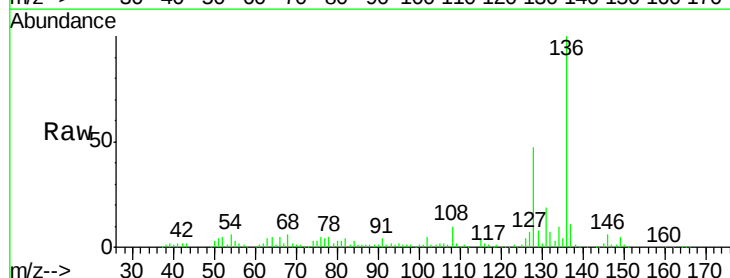
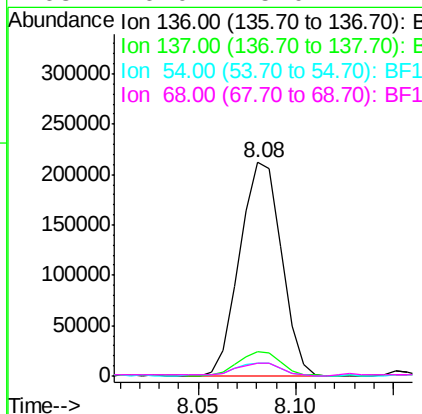
RT: 8.08 min Scan# 1019

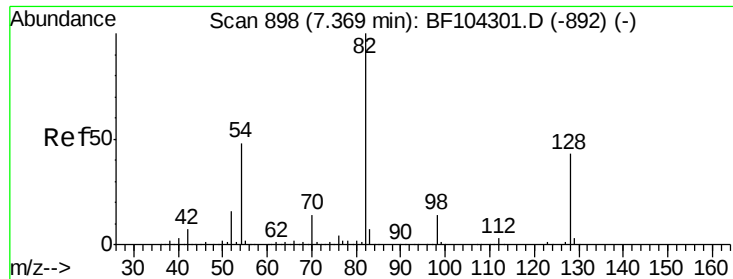
Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion:	136	Resp:	314789
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	5.8	6.6	9.8#
68	6.0	5.0	7.4





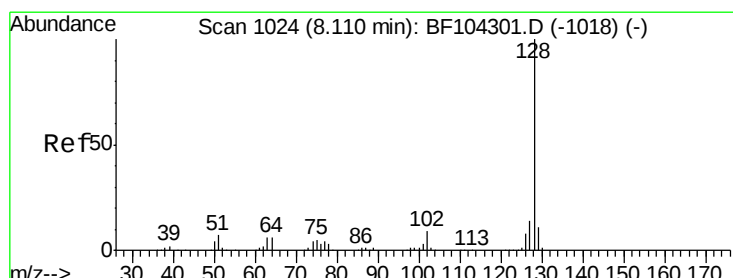
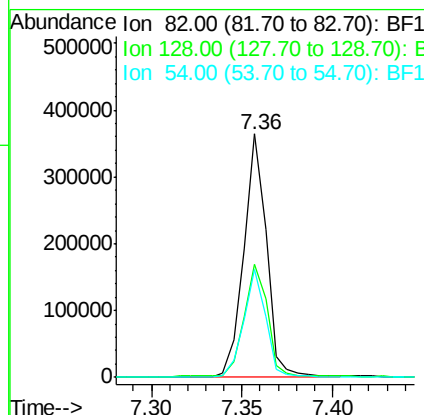
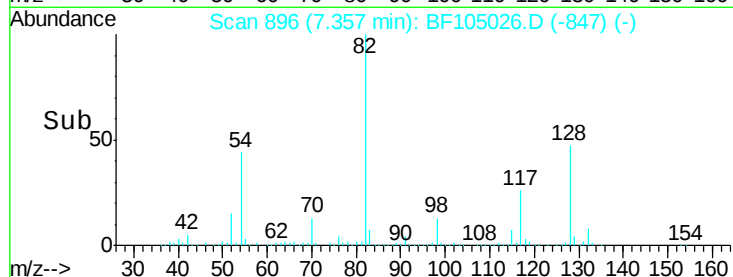
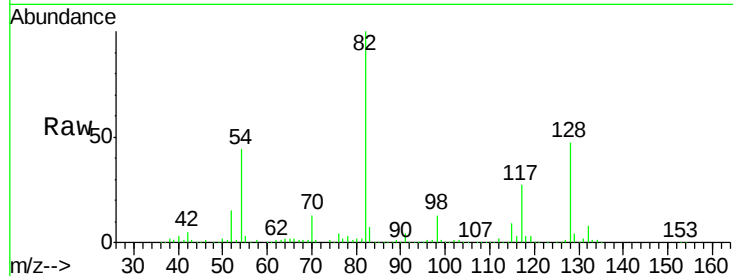
#23
Nitrobenzene-d5
Concen: 65.460 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	44.2	41.4	62.2

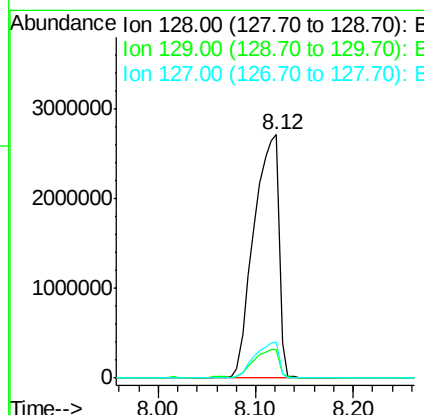
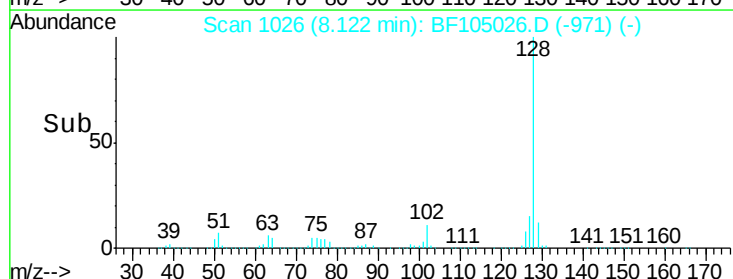
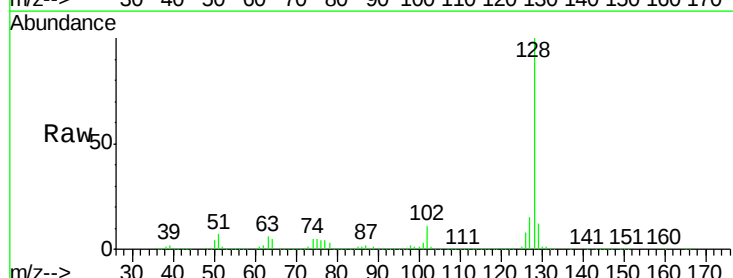
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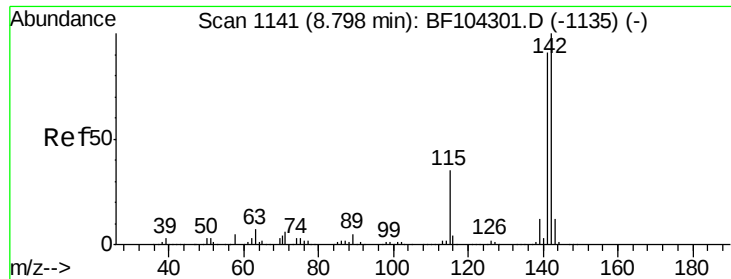
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#31
Naphthalene
Concen: 313.732 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.02 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.6	10.9	16.3





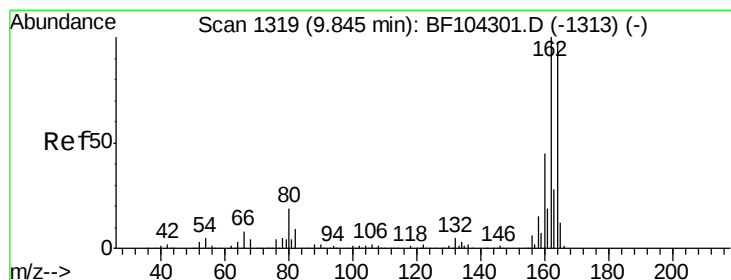
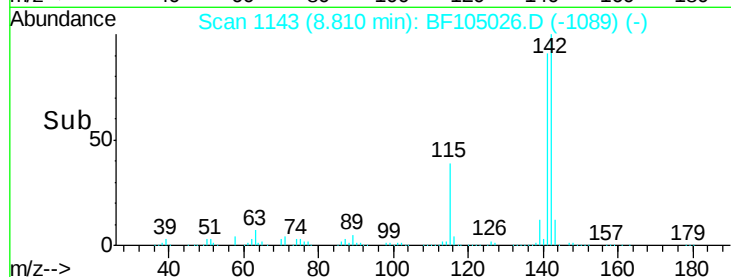
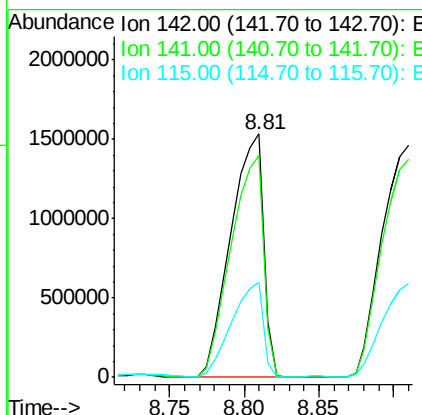
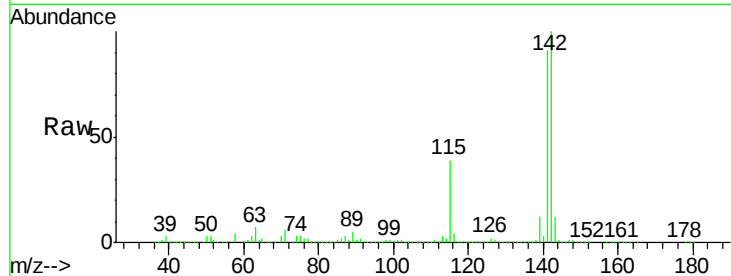
#37
2-Methylnaphthalene
Concen: 232.226 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.02 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	39.3	26.1	39.1

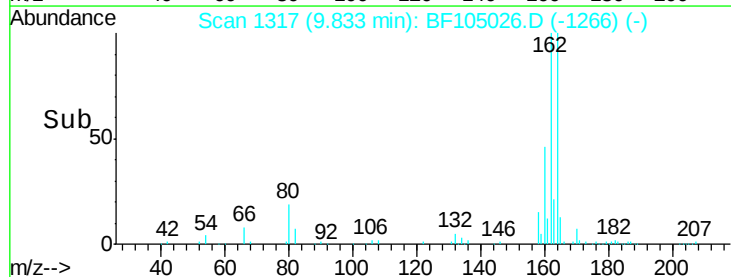
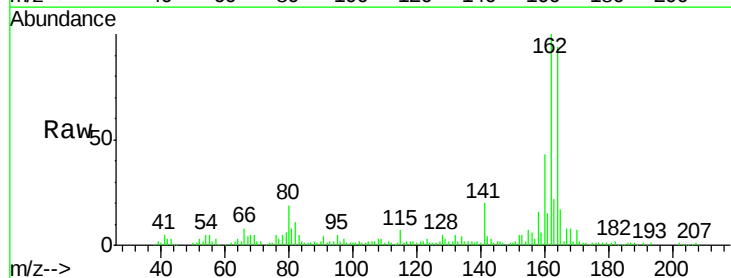
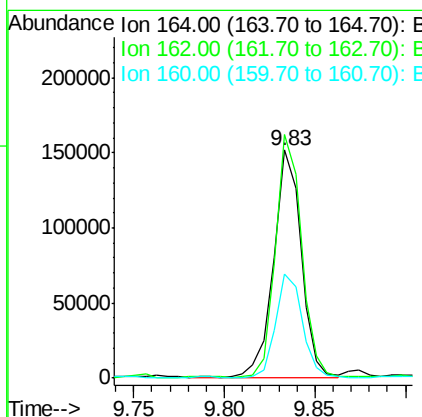
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.9	86.1	129.1
160	45.8	38.3	57.5





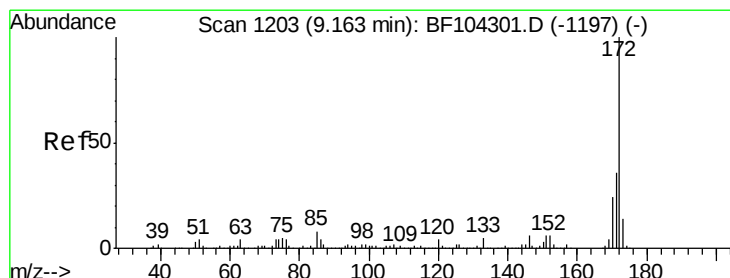
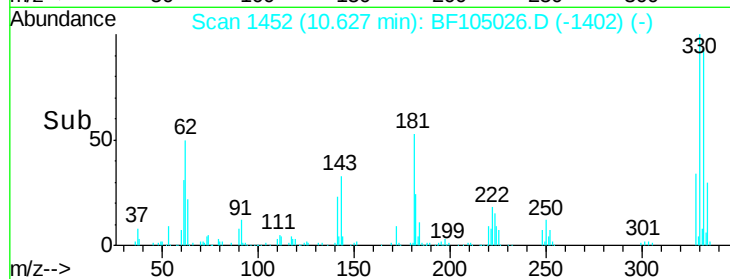
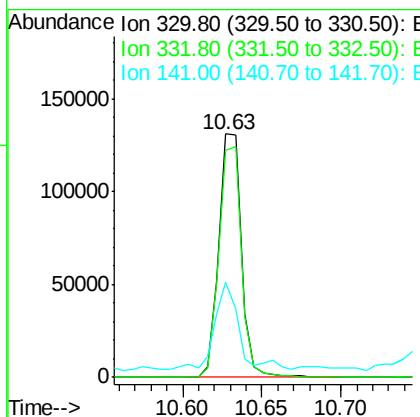
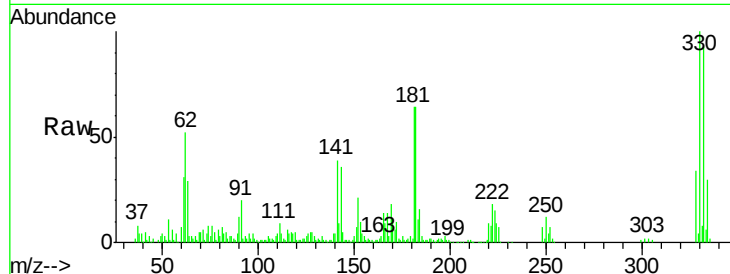
#41
 2,4,6-Tribromophenol
 Concen: 78.229 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

Tot Ion	Ratio	Resp	Lower	Upper
330	100	129465		
332	94.9	77.0	115.6	
141	34.7	29.9	44.9	

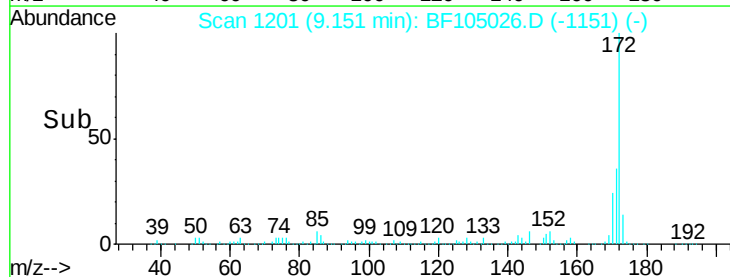
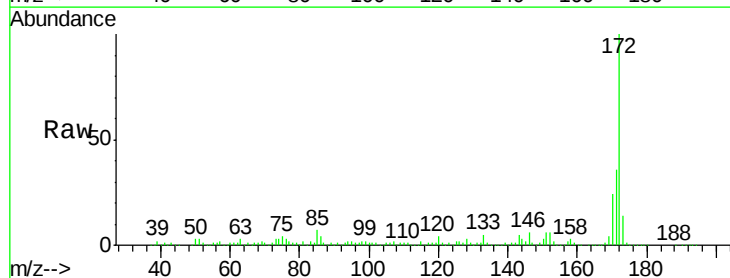
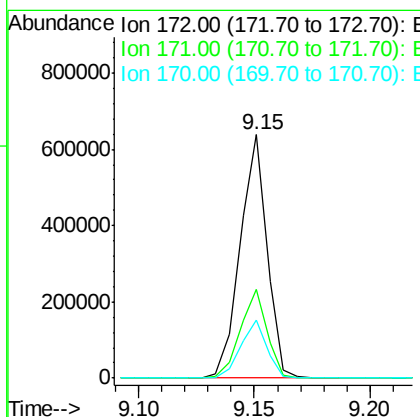
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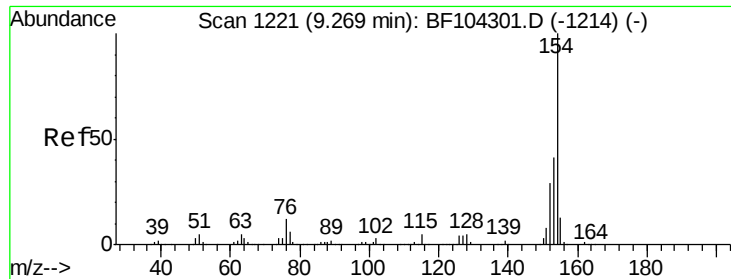
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#44
 2-Fluorobiphenyl
 Concen: 51.238 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	517448		
171	36.3	29.7	44.5	
170	24.0	19.6	29.4	





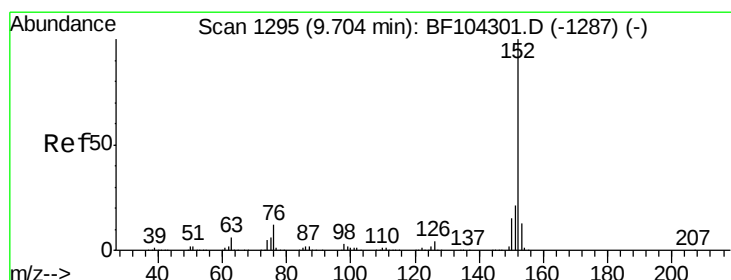
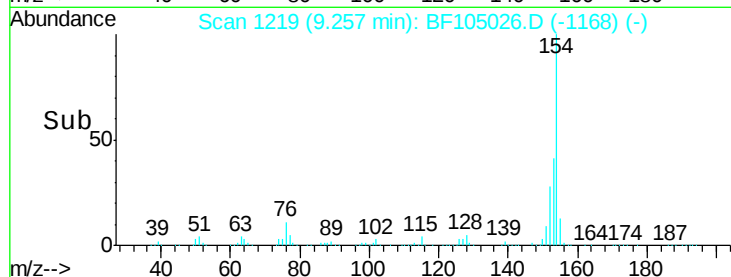
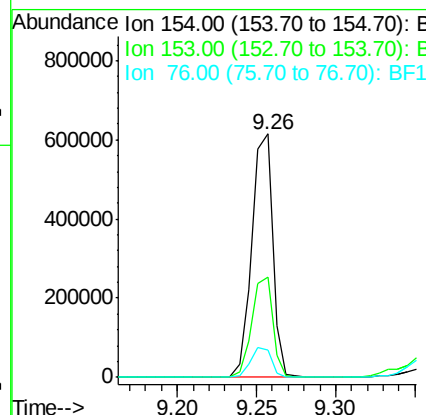
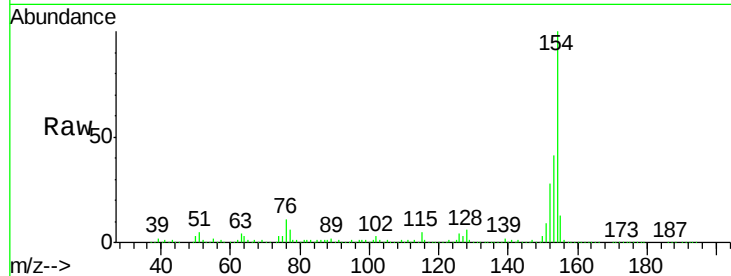
#45
1,1'-Biphenyl
Concen: 42.003 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion:	154	Resp:	562942
Ion Ratio	Lower	Upper	
154	100		
153	41.3	21.3	61.3
76	11.1	0.0	34.0

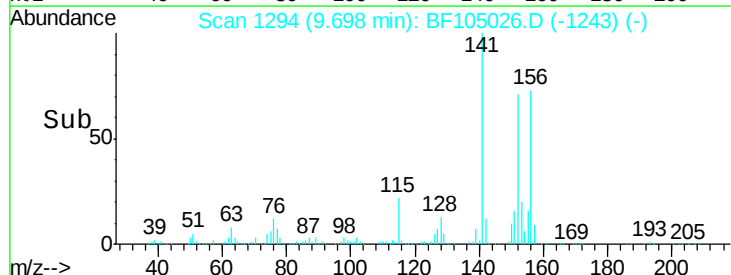
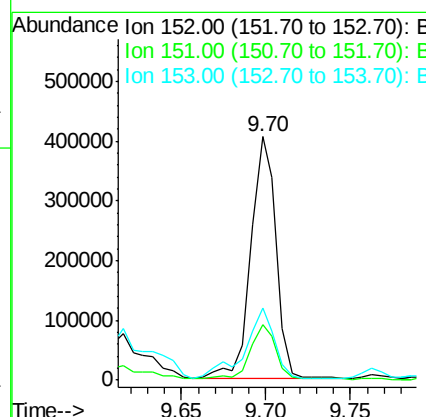
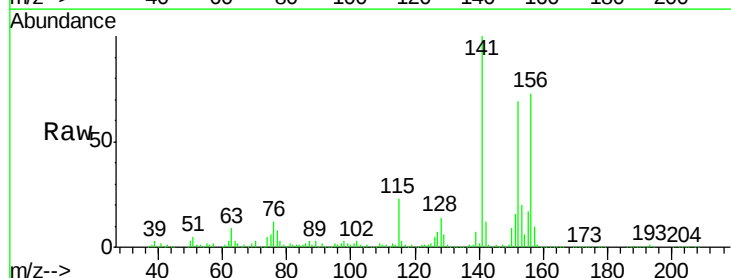
Manual Integrations
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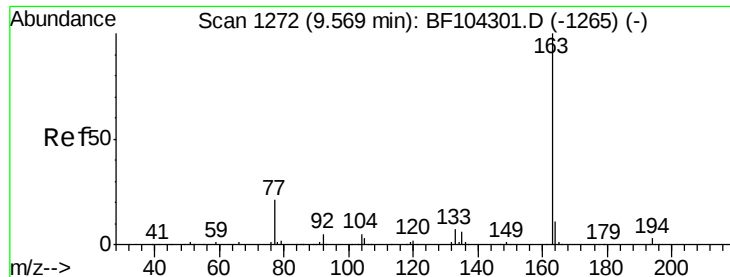
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#48
Acenaphthylene
Concen: 25.681 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion:	152	Resp:	426548
Ion Ratio	Lower	Upper	
152	100		
151	23.0	16.3	24.5
153	29.6	10.7	16.1#





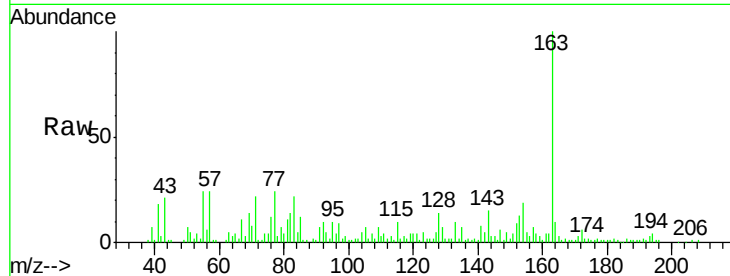
#49
Dimethylphthalate
Concen: 4.661 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.2	8.2	12.2

Manual Integrations
APPROVED

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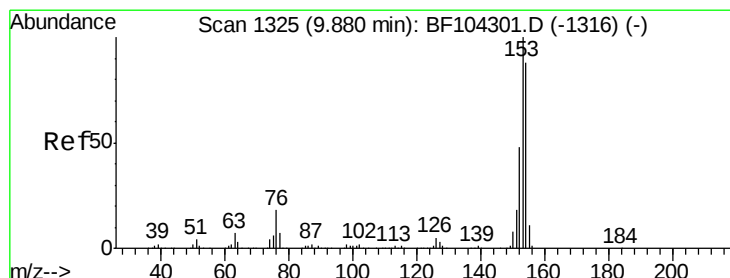
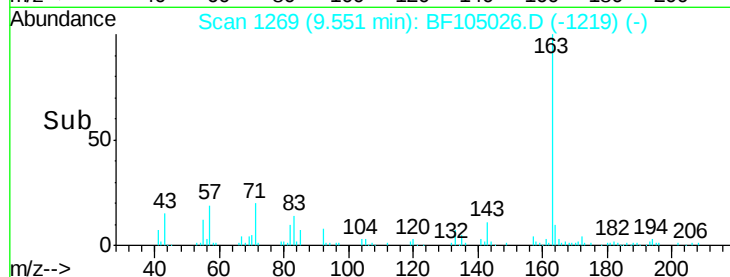
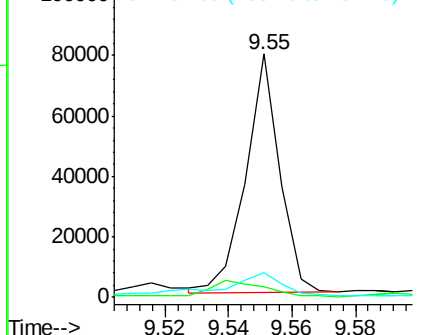


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 135.749 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

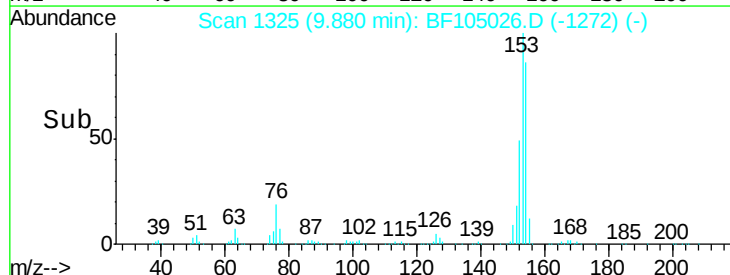
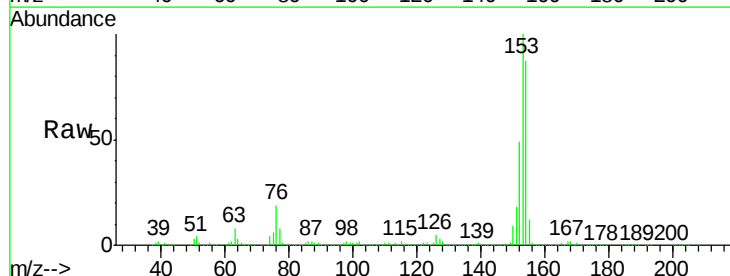
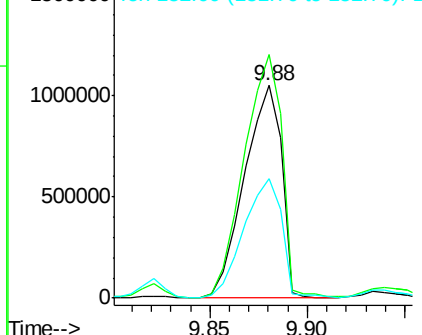
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.2	136.8
152	56.2	43.8	65.8

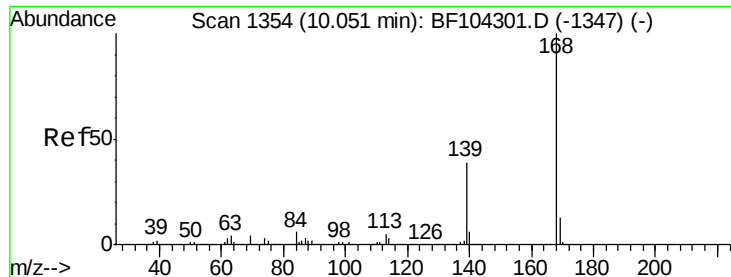
Abundance

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: 11.573 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

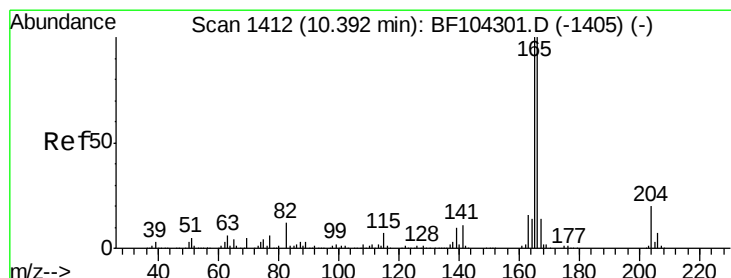
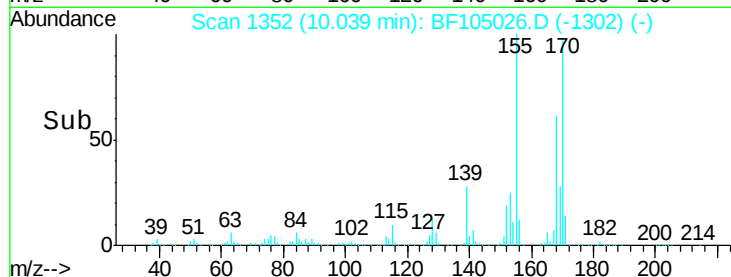
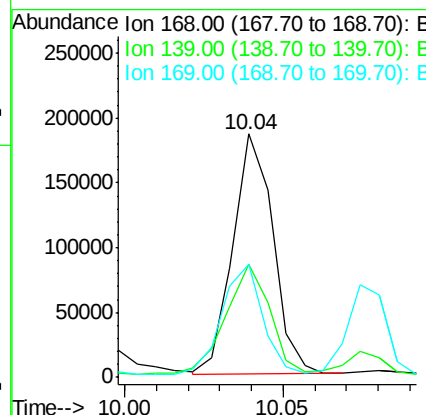
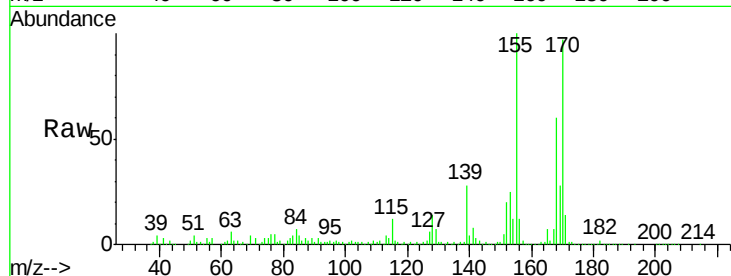
ClientSampleId :

COMPOSITE-P4-WC

Tot Ion:168	Resp:	163447
Ion Ratio	Lower	Upper
168	100	
139	46.5	30.1 45.1#
169	46.7	10.9 16.3#

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#57

Fluorene

Concen: 110.334 ng

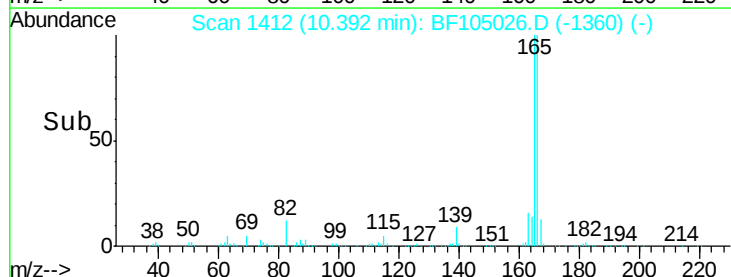
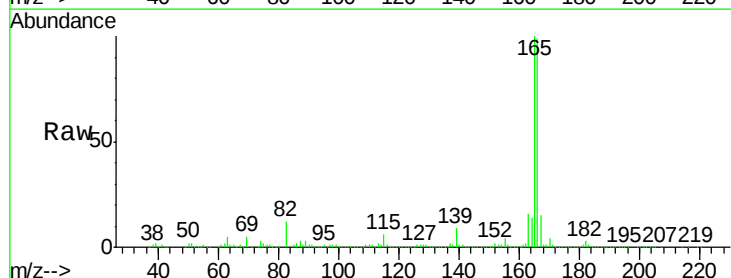
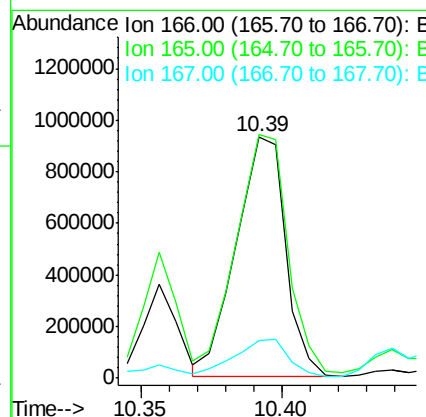
RT: 10.39 min Scan# 1412

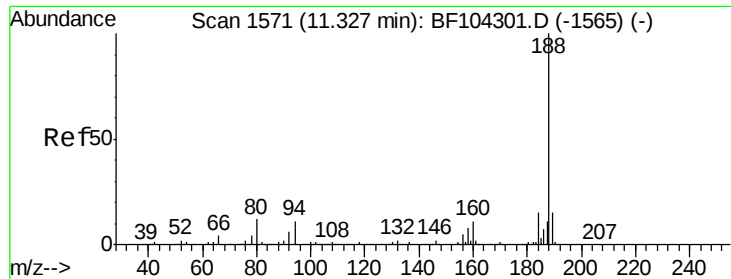
Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion:166	Resp:	1134187
Ion Ratio	Lower	Upper
166	100	
165	101.0	79.8 119.8
167	15.6	10.6 16.0





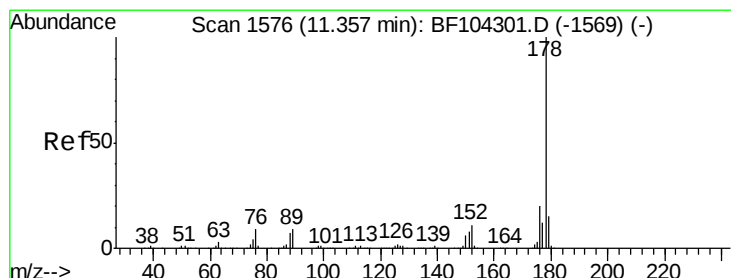
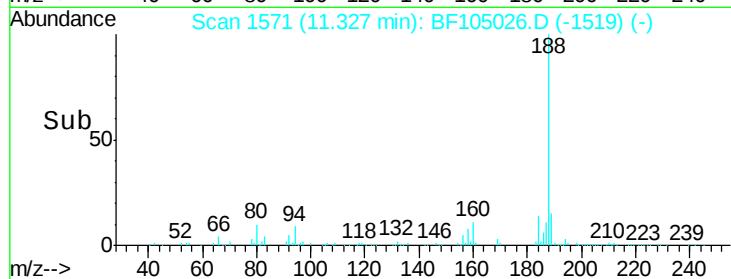
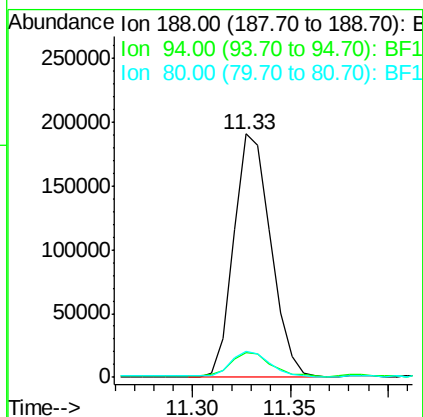
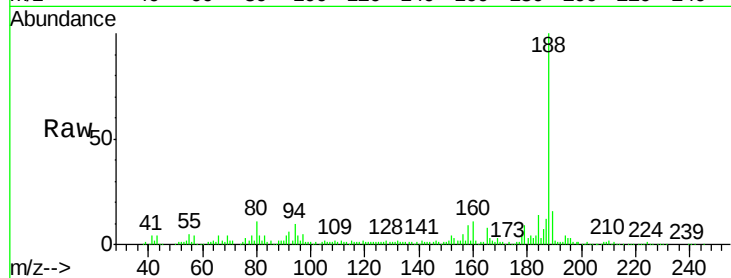
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.7	9.2	13.8

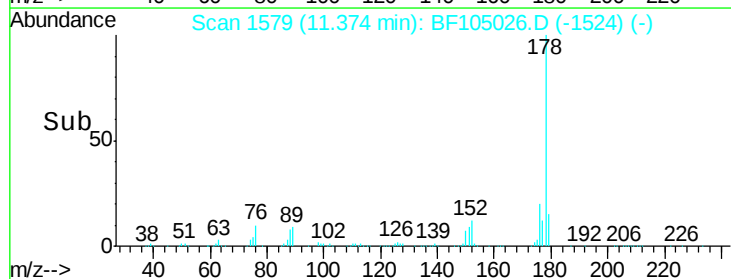
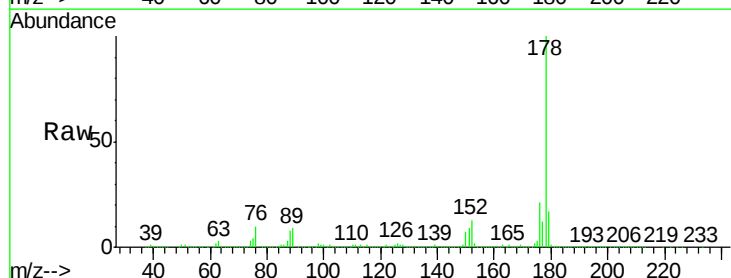
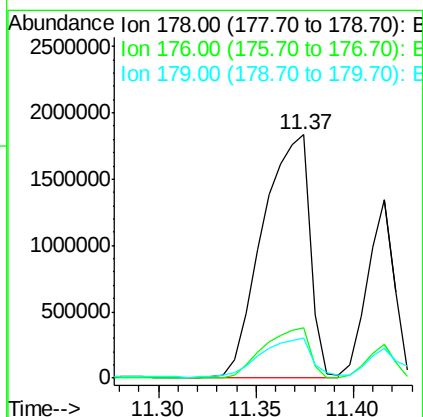
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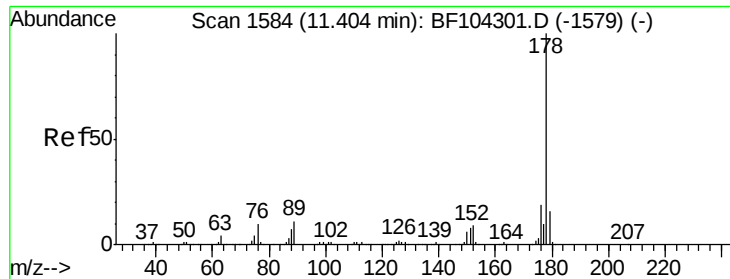
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#70
Phenanthrene
Concen: 218.735 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.02 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.8
179	16.6	13.0	19.6





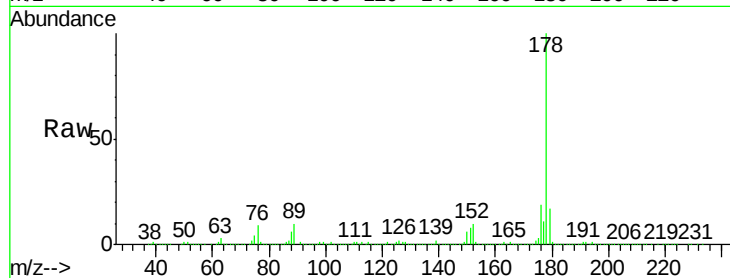
#71
 Anthracene
 Concen: 90.108 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WC

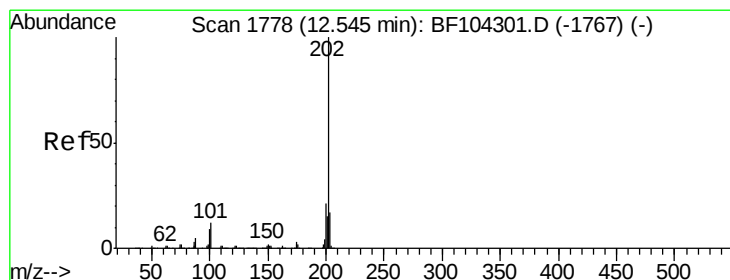
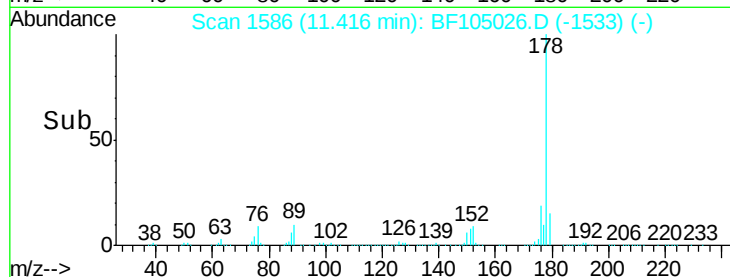
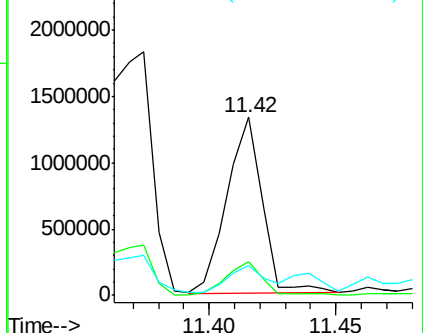
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.6	12.6	19.0

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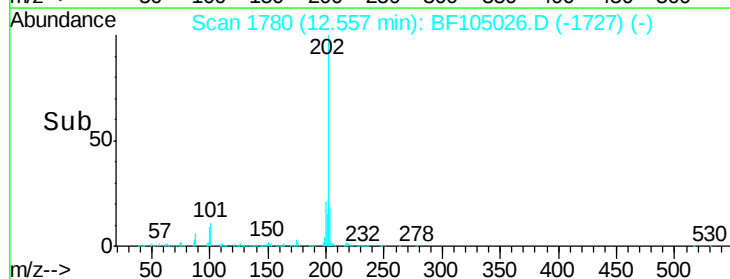
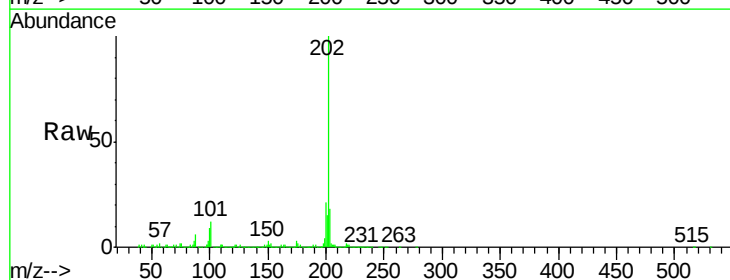
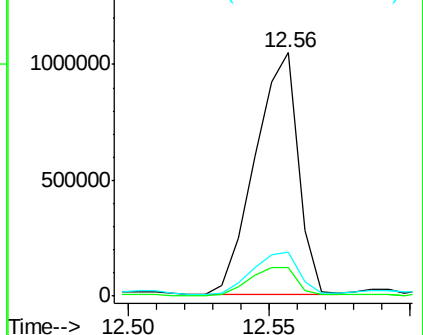
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

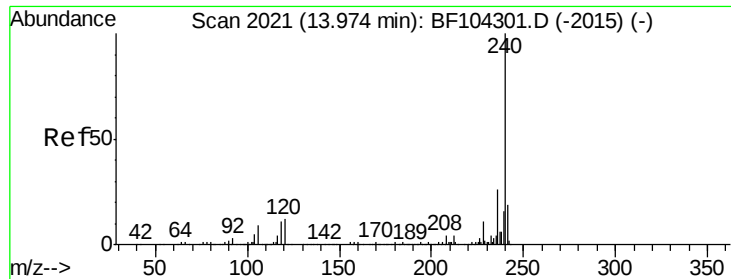


#74
 Fluoranthene
 Concen: 75.943 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF105026.D
 Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	18.3	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

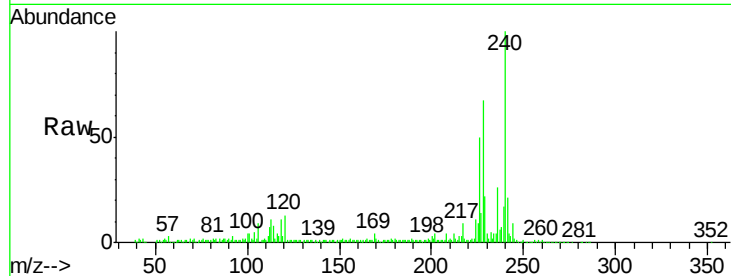
ClientSampleId :

COMPOSITE-P4-WC

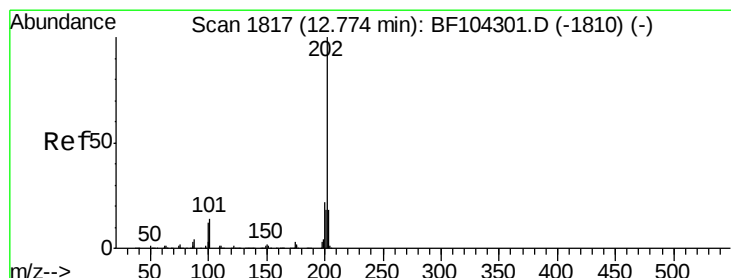
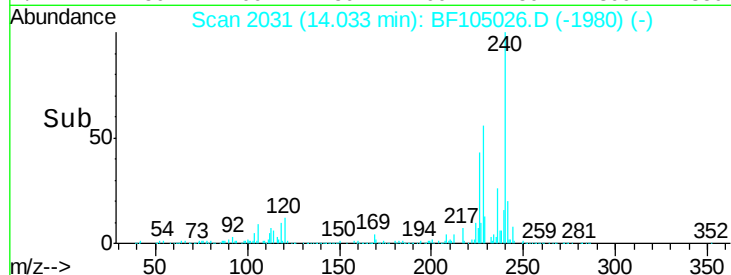
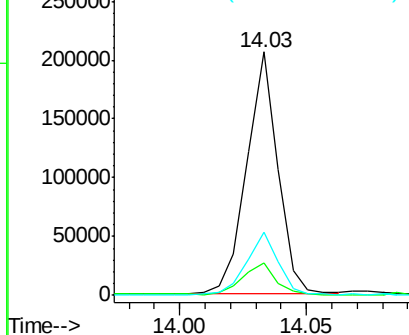
Tot Ion:	240	Resp:	175481
Ion Ratio		Lower	Upper
240	100		
120	13.1	9.5	14.3
236	26.1	20.7	31.1

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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: 120.239 ng

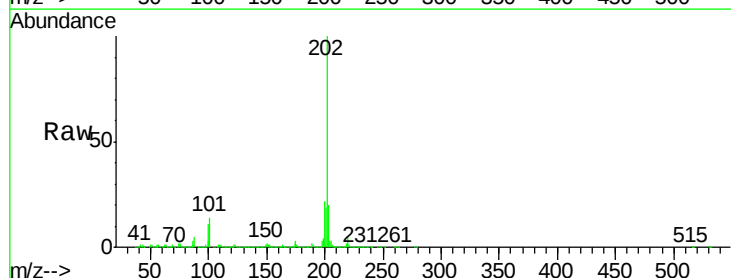
RT: 12.79 min Scan# 1820

Delta R.T. 0.02 min

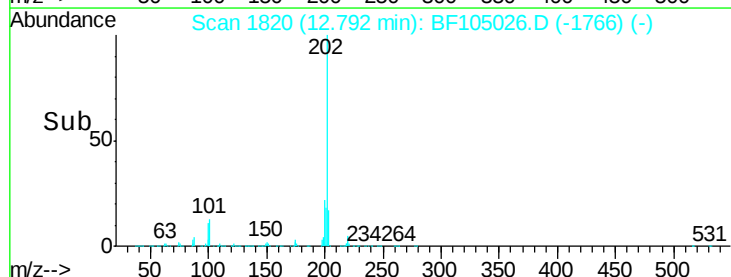
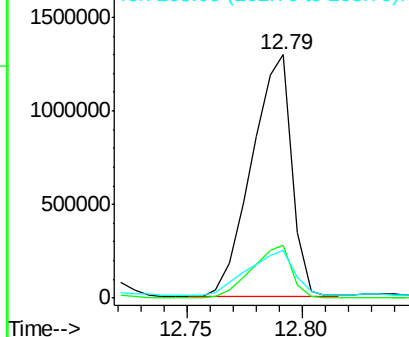
Lab File: BF105026.D

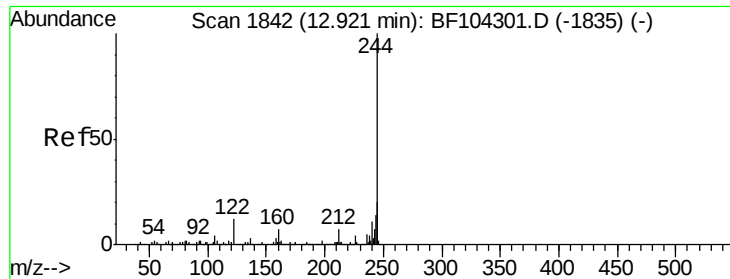
Acq: 2 May 2018 13:10

Tgt Ion:	202	Resp:	1563977
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.4	26.2
203	19.5	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: 55.288 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

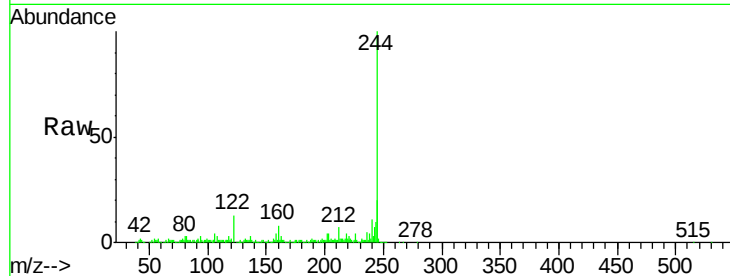
ClientSampleId :

COMPOSITE-P4-WC

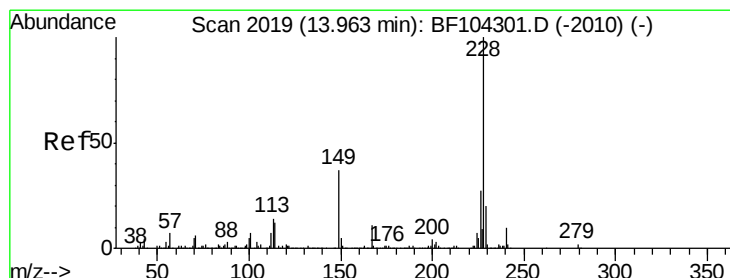
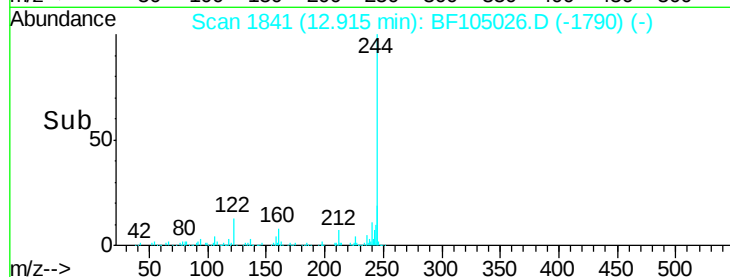
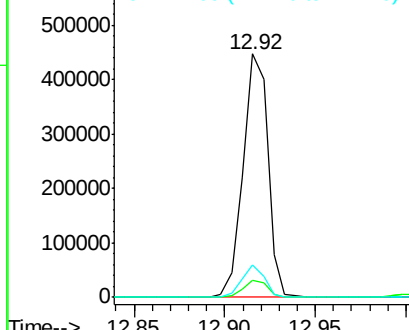
Tot Ion:	244	Resp:	425559
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	13.2	11.0	16.4

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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: 66.418 ng m

RT: 14.02 min Scan# 2029

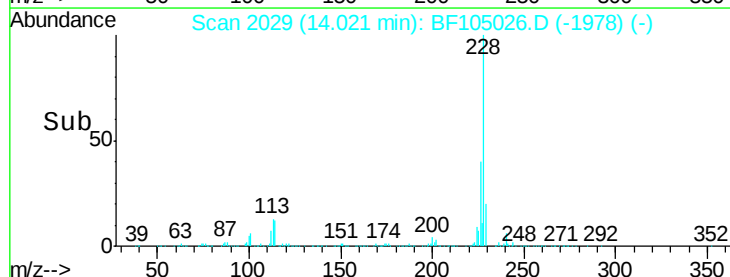
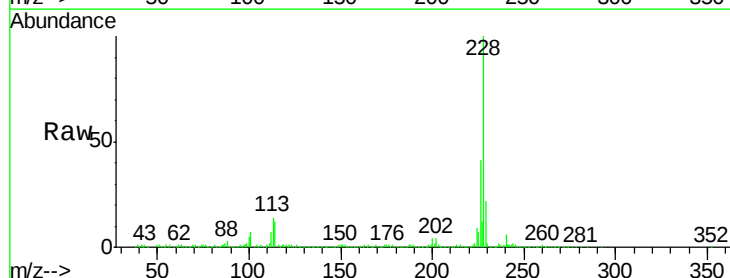
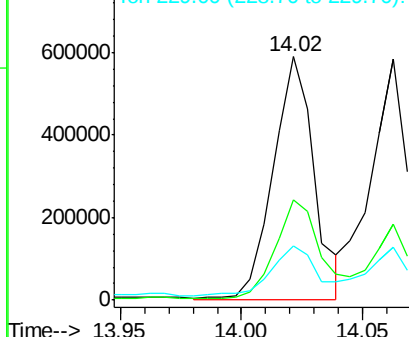
Delta R.T. -0.00 min

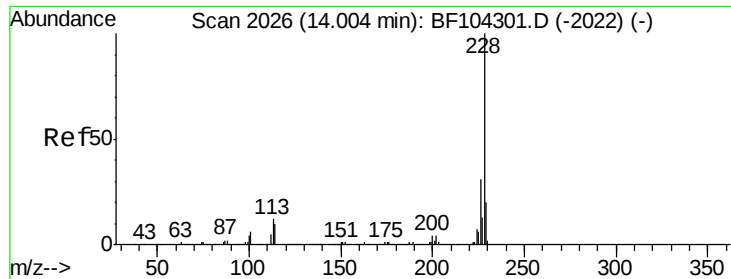
Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion:	228	Resp:	696292
Ion Ratio	Lower	Upper	
228	100		
226	41.2	22.6	33.8#
229	22.4	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 55.473 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

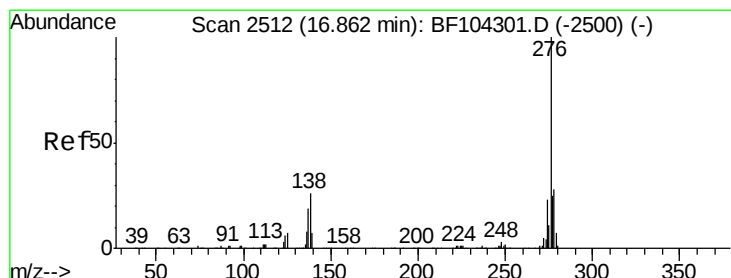
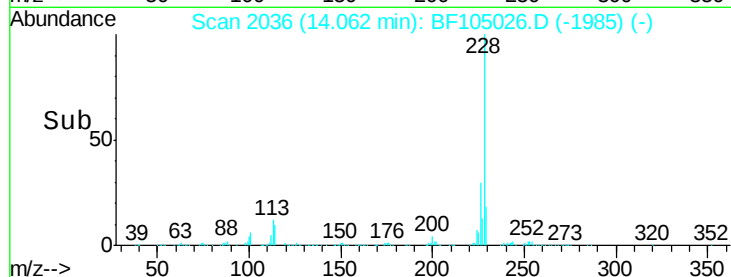
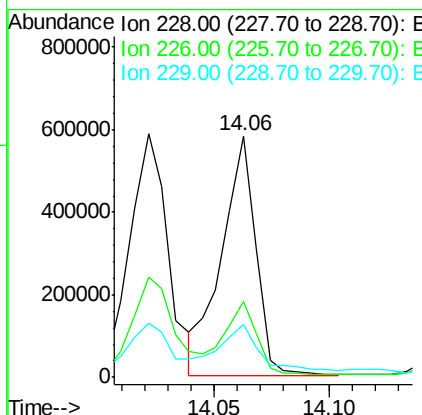
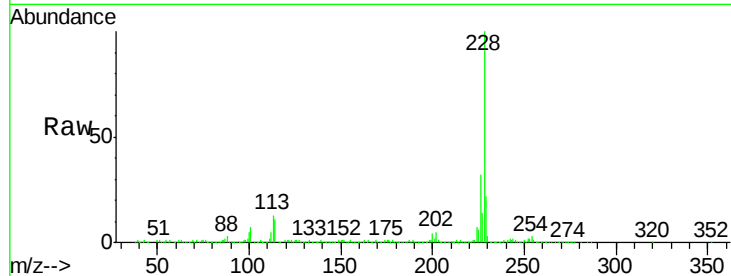
ClientSampleId :

COMPOSITE-P4-WC

Tot Ion:	228	Resp:	597334
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	22.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 14.078 ng

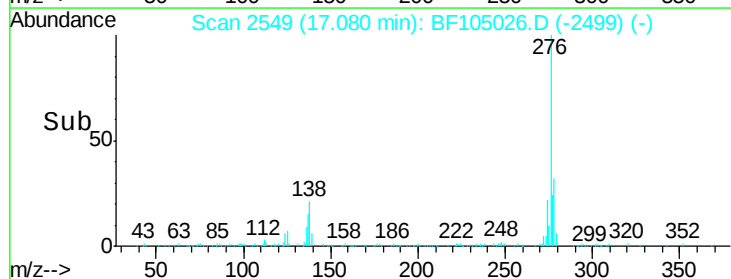
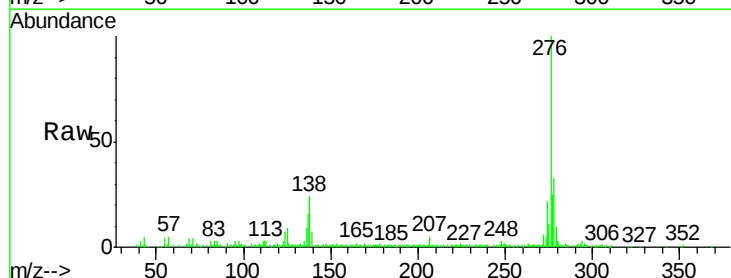
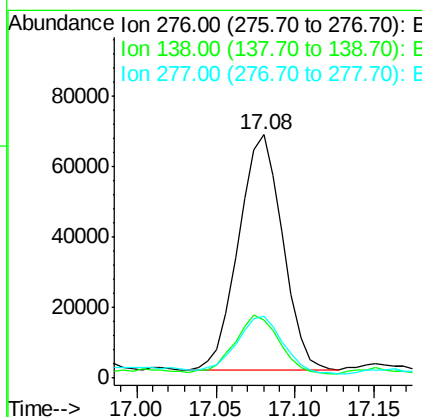
RT: 17.08 min Scan# 2549

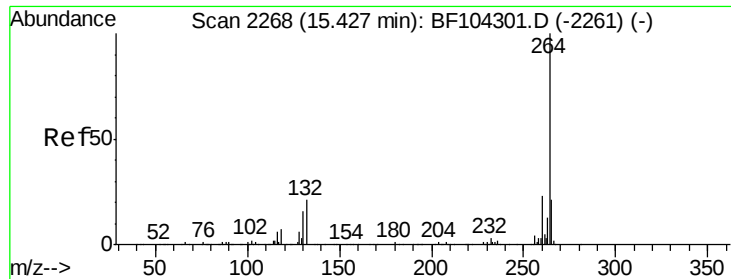
Delta R.T. -0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion:	276	Resp:	128772
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	25.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF105026.D

Acq: 2 May 2018 13:10

Instrument :

BNA_F

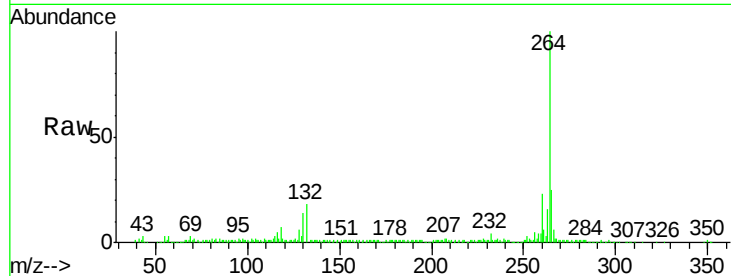
ClientSampleId :

COMPOSITE-P4-WC

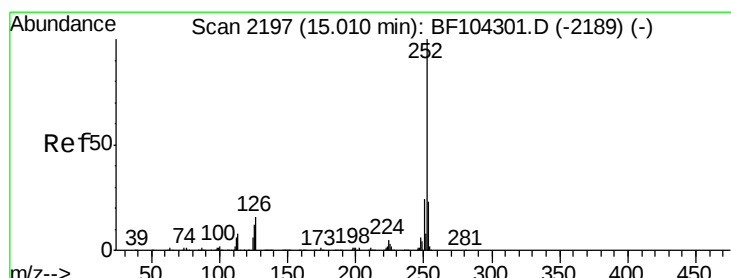
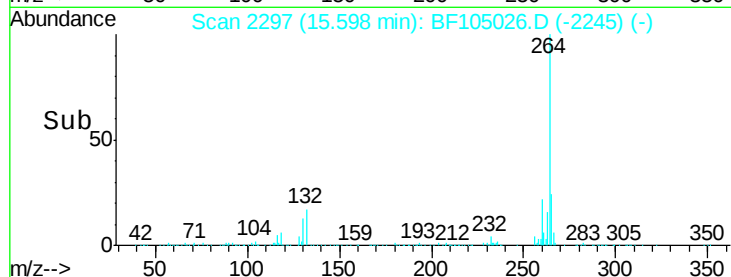
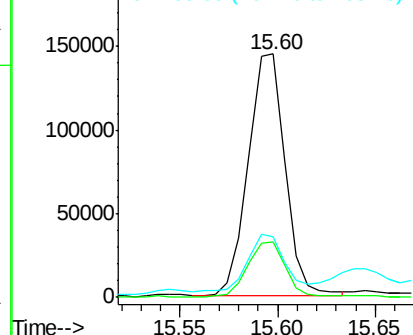
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	24.8	17.5	26.3

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



#87

Benzo(b)fluoranthene

Concen: 34.761 ng m

RT: 15.16 min Scan# 2223

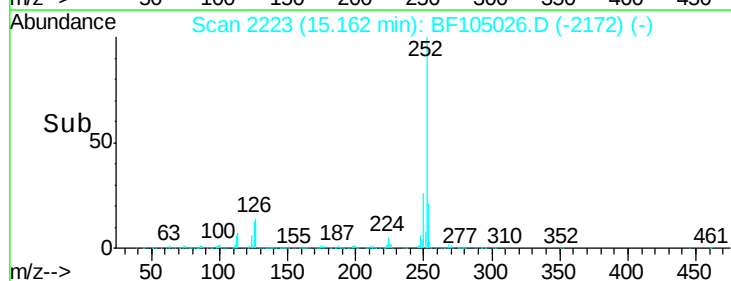
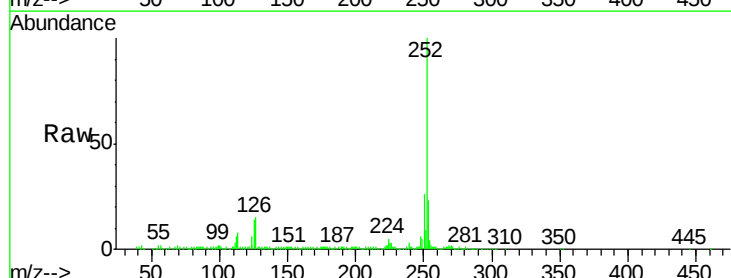
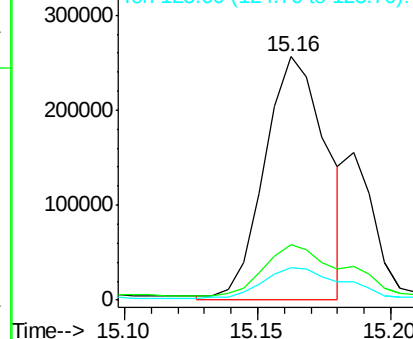
Delta R.T. -0.00 min

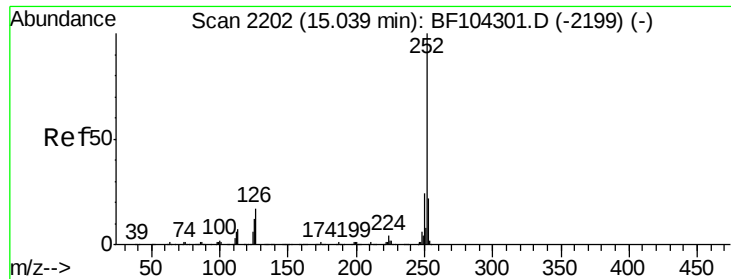
Lab File: BF105026.D

Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.5	9.0	13.6

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





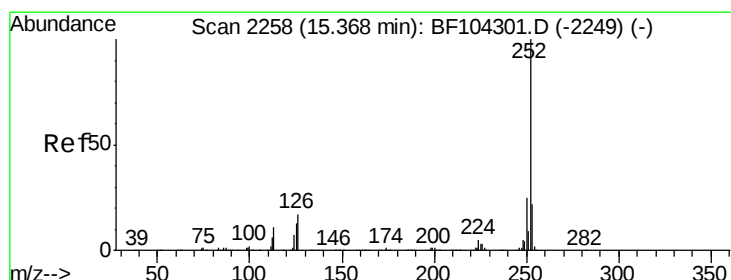
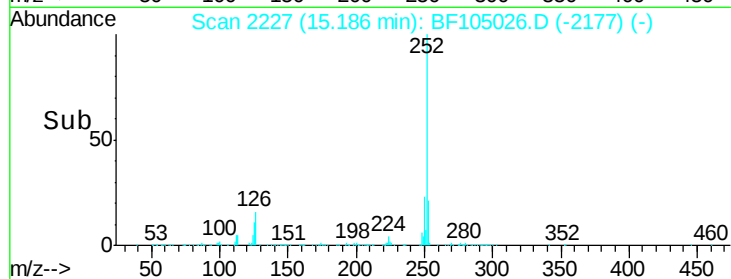
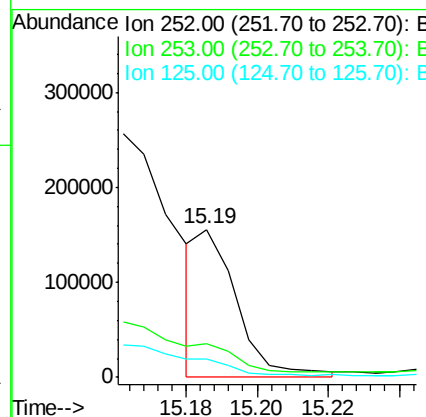
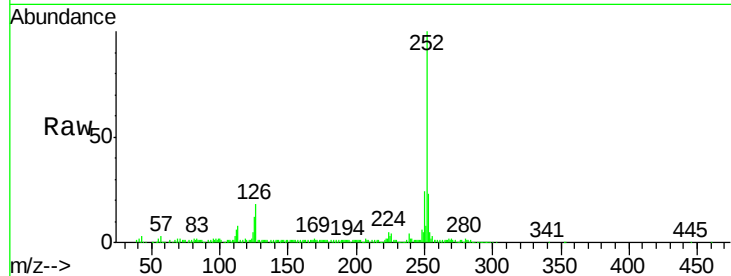
#88
Benzo(k)fluoranthene
Concen: 10.689 ng m
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.0	10.2	15.2

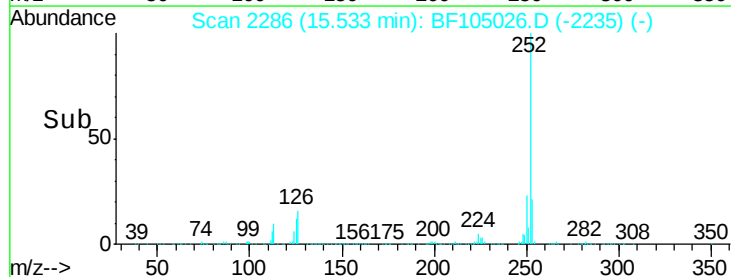
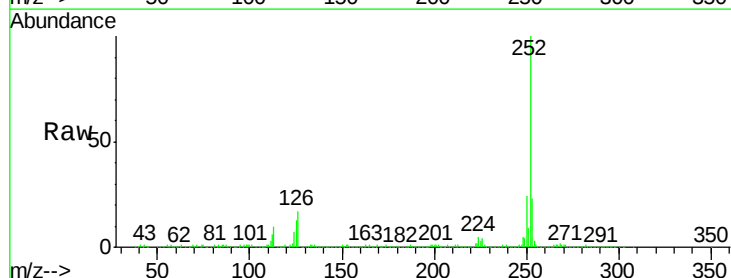
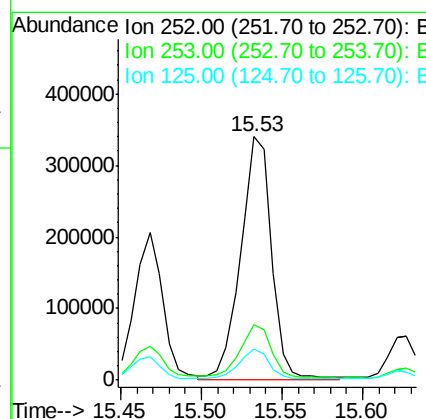
Manual Integrations
APPROVED

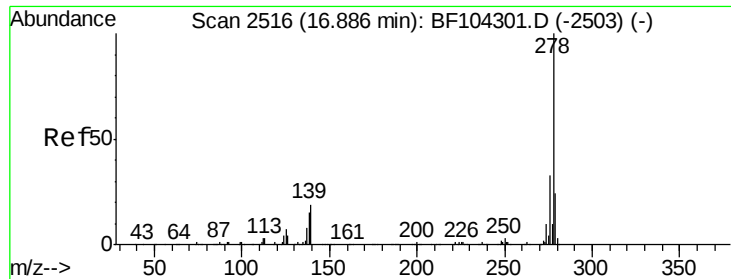
Sohil
5/3/2018 5:00:47 PM



#89
Benzo(a)pyrene
Concen: 42.933 ng m
RT: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.8	9.8	14.6





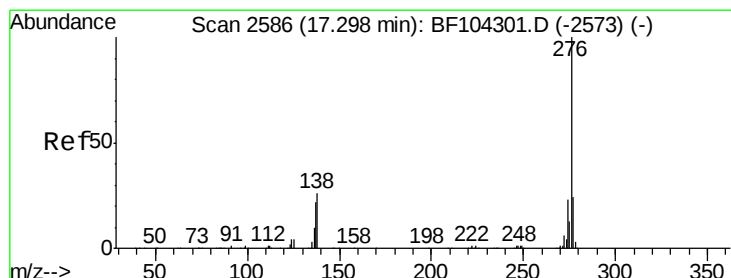
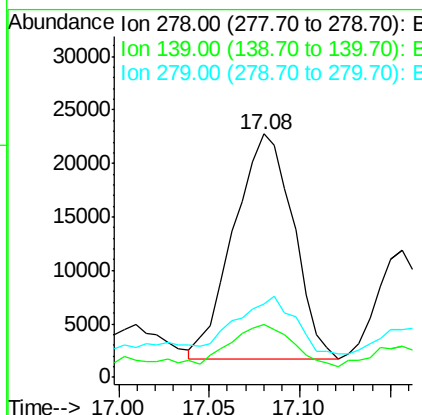
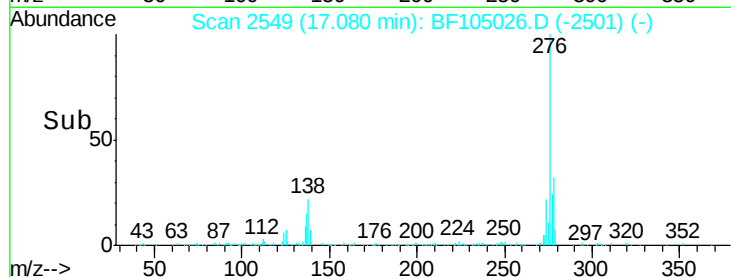
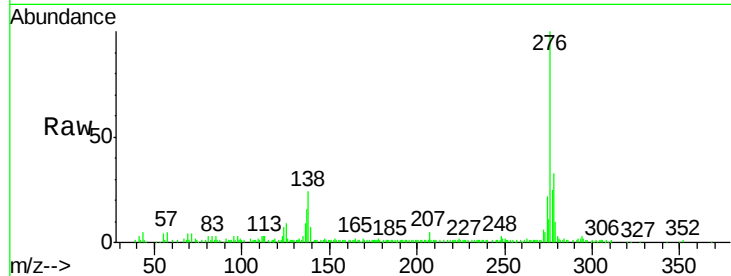
#90
Dibenzo(a,h)anthracene
Concen: 5.473 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.9	23.9
279	30.2	19.0	28.4

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:47 PM



#91
Benzo(g,h,i)perylene
Concen: 15.120 ng
RT: 17.53 min Scan# 2625
Delta R.T. -0.01 min
Lab File: BF105026.D
Acq: 2 May 2018 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	24.1	21.8	32.8

