

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106669.D
 Acq On : 21 Jun 2018 19:07
 Operator : JU/SJ
 Sample : J3524-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 AREA-3(D)DL

Manual Integrations
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 7/3/2018 3:52:18 PM

Quant Time: Jul 03 15:37:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 21 16:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	66411	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	270741	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	142441	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	270540	20.00	ng	0.00
75) Chrysene-d12	14.15	240	203163	20.00	ng	0.00
86) Perylene-d12	15.68	264	221829	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	16390	4.18	ng	0.00
7) Phenol-d6	6.60	99	22392	4.57	ng	0.00
23) Nitrobenzene-d5	7.52	82	13466	2.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	6435	3.90	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	27923m	-13.83	ng	-0.01
78) Terphenyl-d14	13.07	244	41296	4.92	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.27	128	373810	29.532	ng	99
37) 2-Methylnaphthalene	8.95	142	228586	27.245	ng	96
45) 1,1'-Biphenyl	9.41	154	25604	2.255	ng	97
48) Acenaphthylene	9.86	152	42918	3.042	ng	# 92
51) Acenaphthene	10.03	154	86460	9.733	ng	97
54) Dibenzofuran	10.20	168	52074	4.281	ng	# 95
57) Fluorene	10.55	166	153985	15.952	ng	100
70) Phenanthrene	11.52	178	597793	45.812	ng	99
71) Anthracene	11.57	178	150412	11.293	ng	99
74) Fluoranthene	12.71	202	356660	24.799	ng	95
77) Pyrene	12.94	202	439008	32.769	ng	99
80) Benzo(a)anthracene	14.14	228	172969m	13.969	ng	
82) Chrysene	14.17	228	170337m	14.953	ng	
85) Indeno(1,2,3-cd)pyrene	17.25	276	75755m	7.836	ng	
87) Benzo(b)fluoranthene	15.23	252	159208m	11.554	ng	
88) Benzo(k)fluoranthene	15.25	252	47675m	3.633	ng	
89) Benzo(a)pyrene	15.62	252	153253m	12.510	ng	
90) Dibenzo(a,h)anthracene	17.25	278	24142m	2.325	ng	
91) Benzo(a,h,i)perylene	17.72	276	75873	7.477	ng	92

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

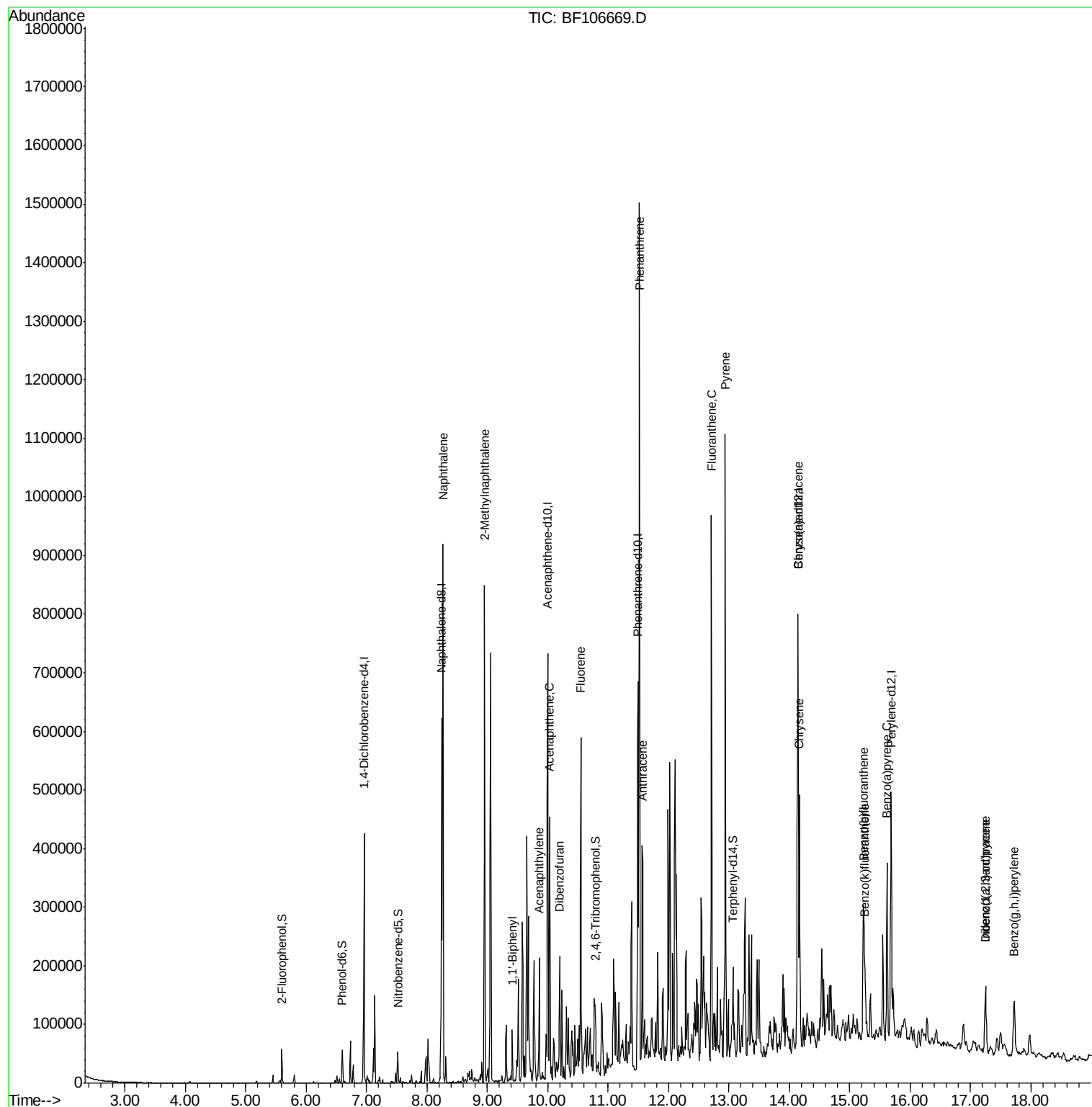
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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ALS Vial : 5 Sample Multiplier: 1

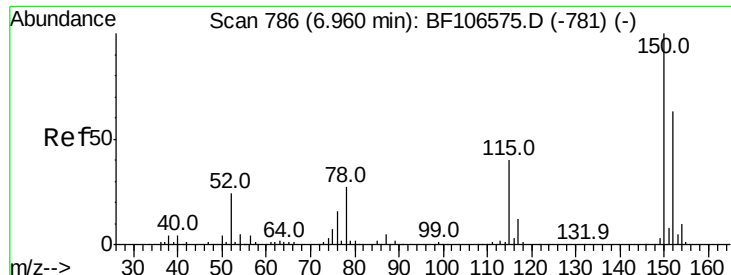
Instrument :
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AREA-3(D)DL

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#1

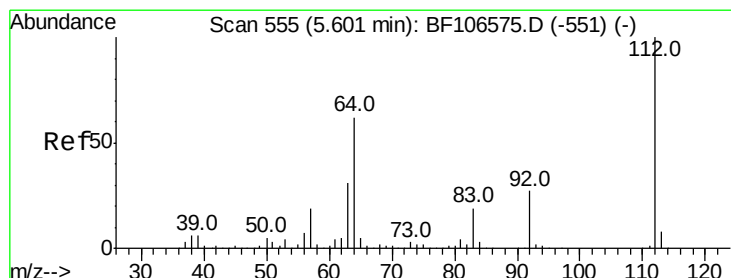
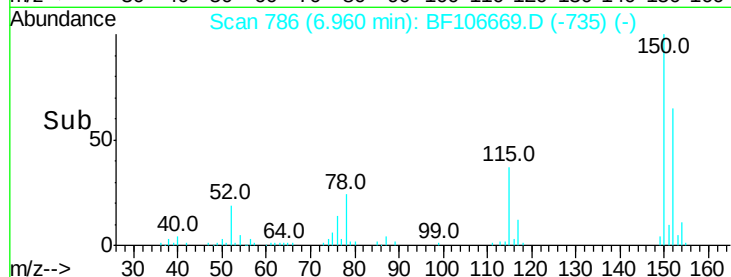
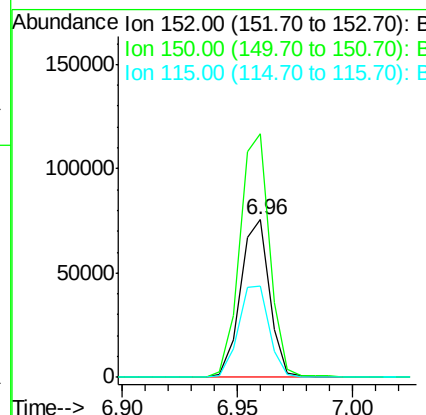
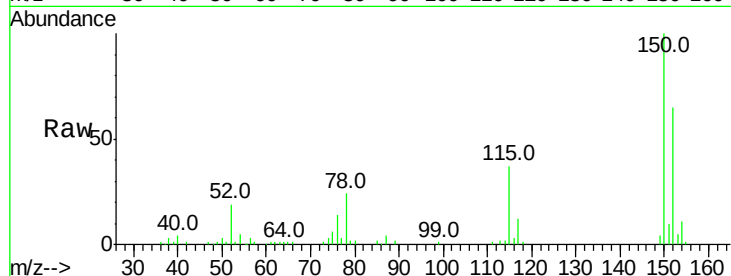
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	57.9	50.1	75.1

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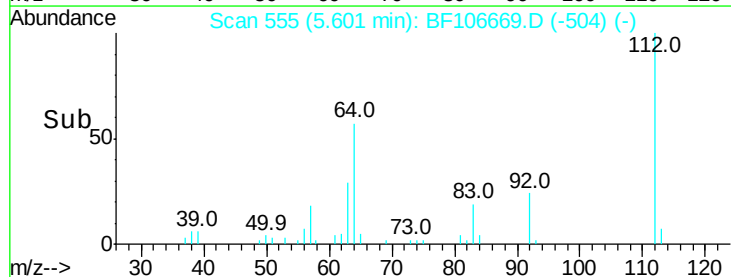
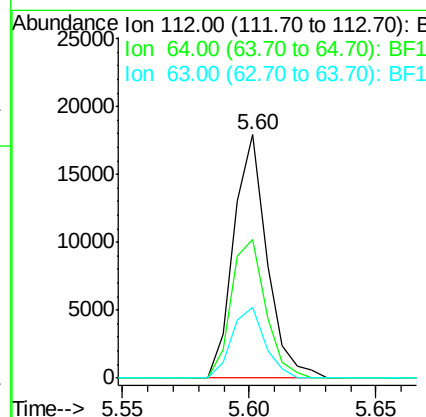
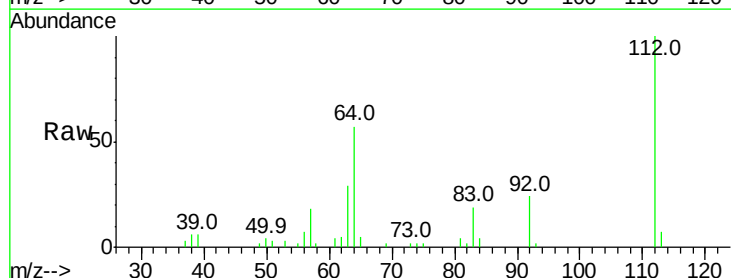
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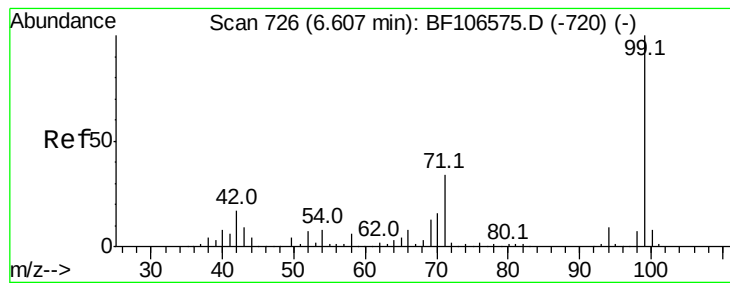


#5

2-Fluorophenol
Concen: 4.179 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 4.572 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

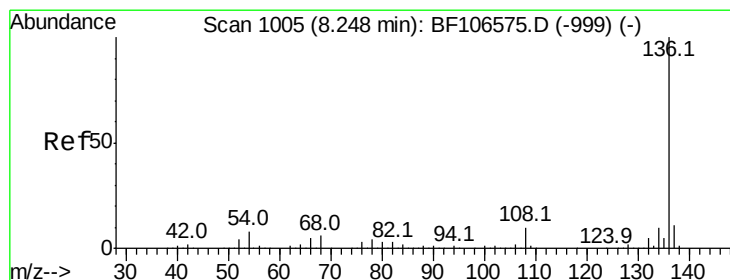
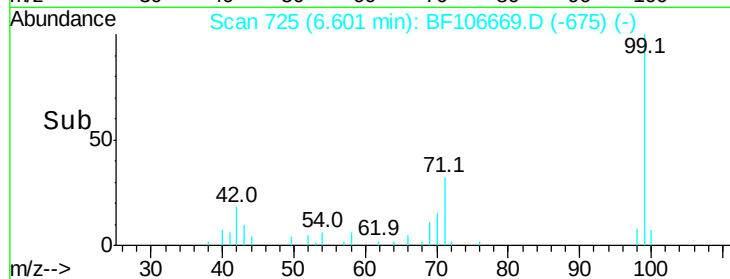
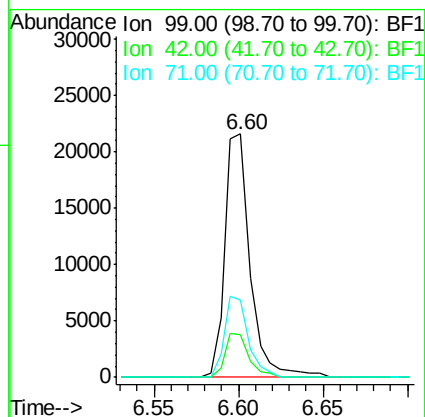
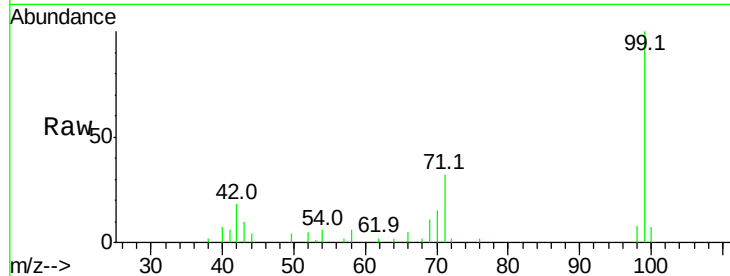
ClientSampleId :

AREA-3(D)DL

Tot Ion:	99	Resp:	22392
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

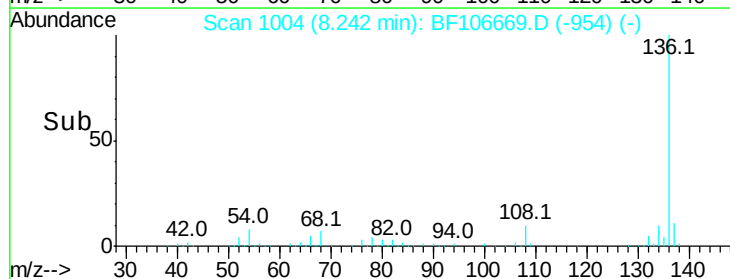
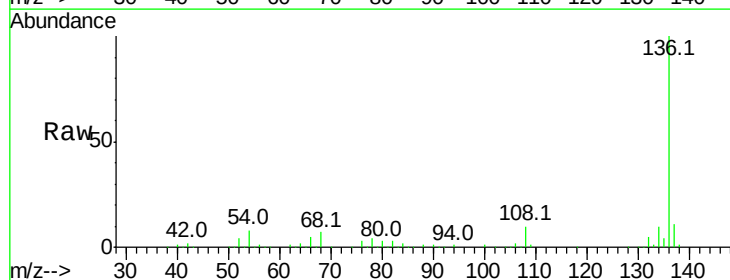
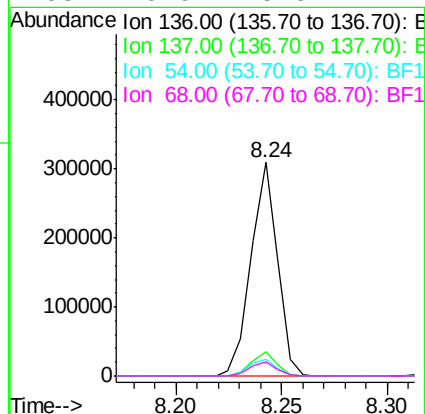
RT: 8.24 min Scan# 1004

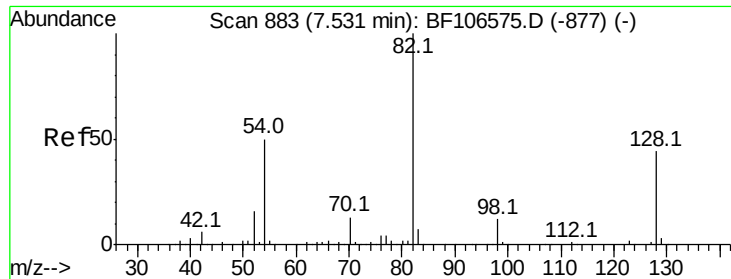
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	136	Resp:	270741
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	6.6	5.0	7.4





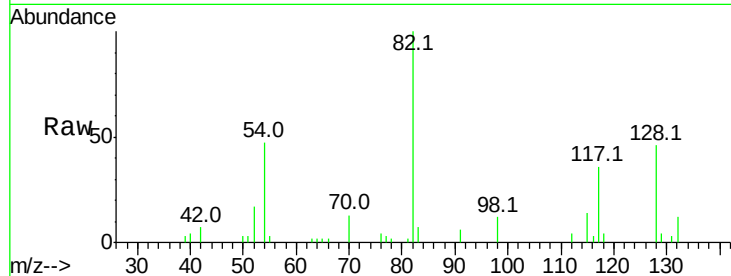
#23
Nitrobenzene-d5
Concen: 2.764 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

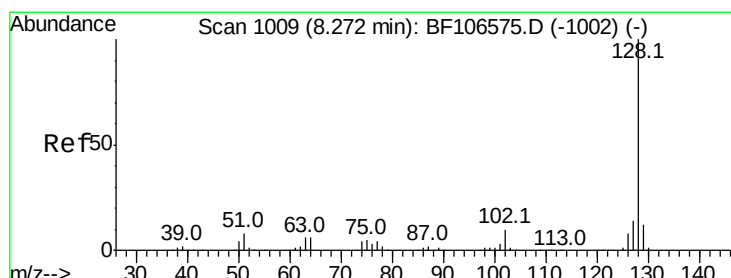
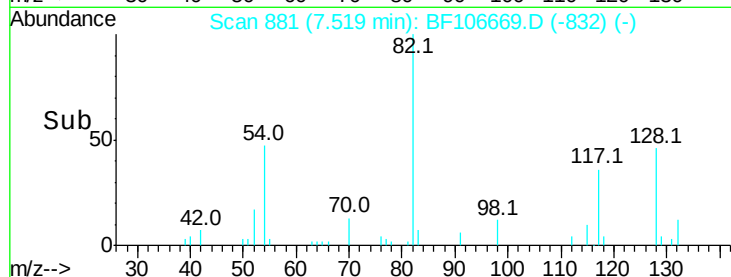
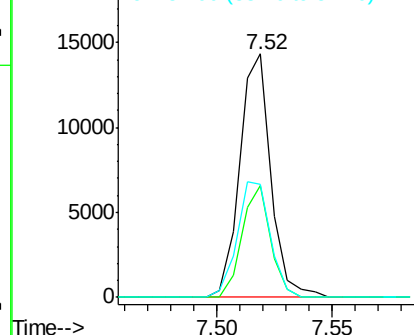
Tot Ion:	82	Resp:	13466
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	46.6	41.4	62.2

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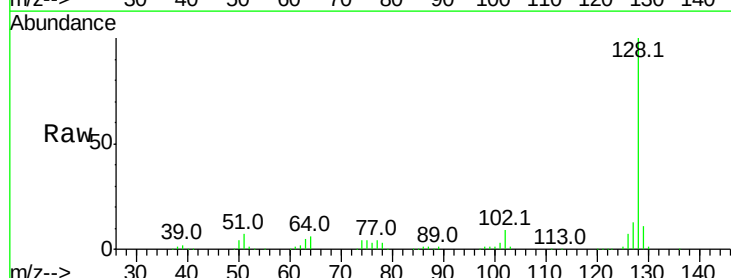


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

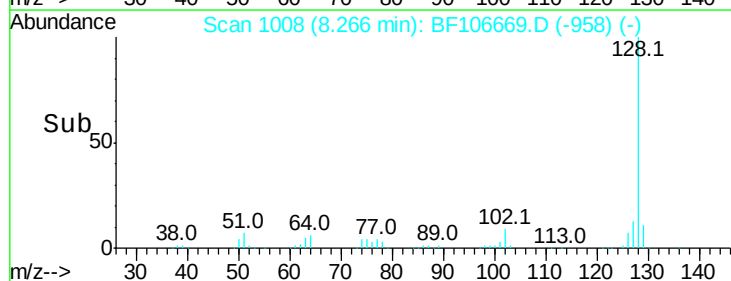
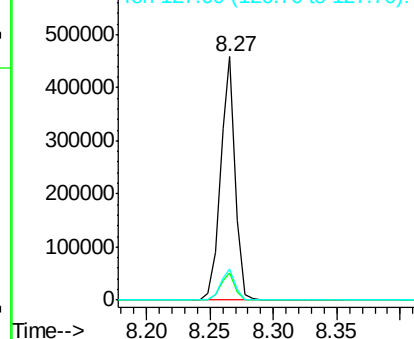


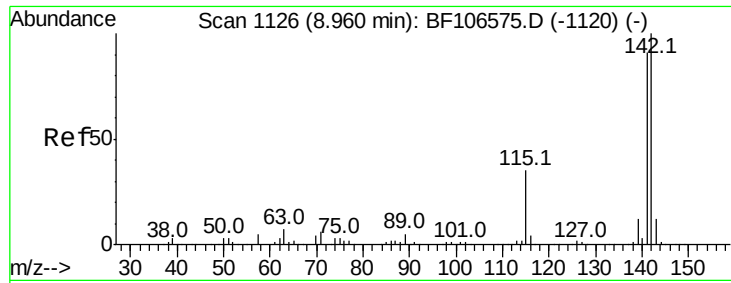
#31
Naphthalene
Concen: 29.532 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion:	128	Resp:	373810
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	13.0	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





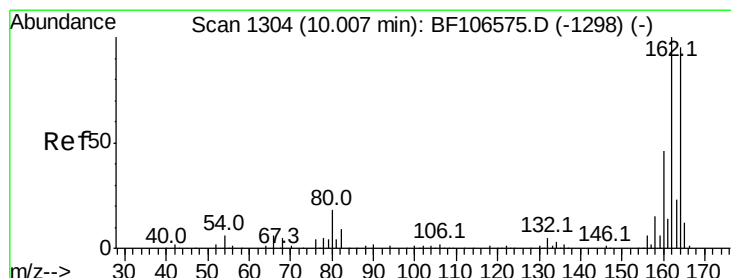
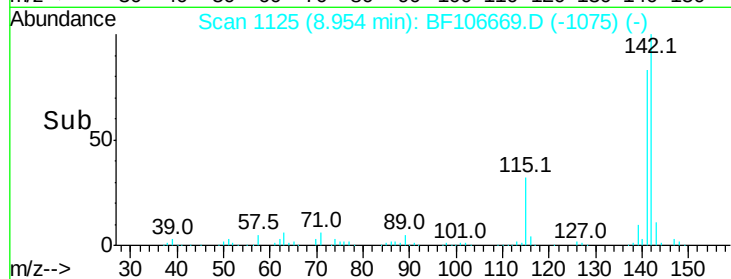
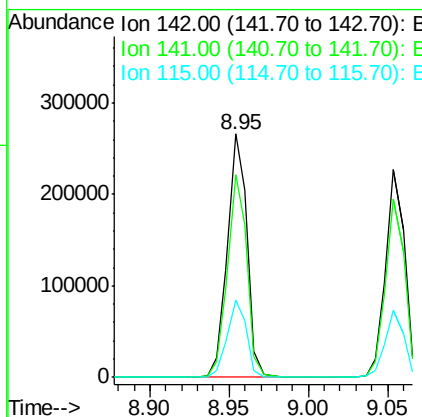
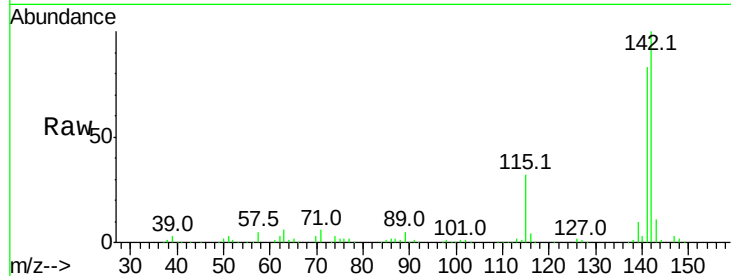
#37
2-Methylnaphthalene
Concen: 27.245 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.4	70.8	106.2
115	31.7	26.1	39.1

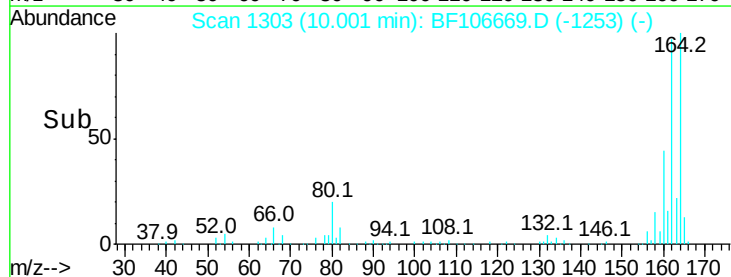
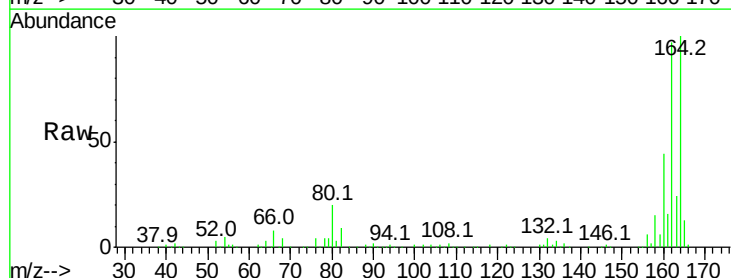
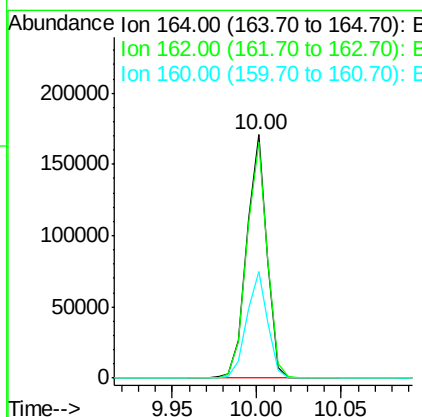
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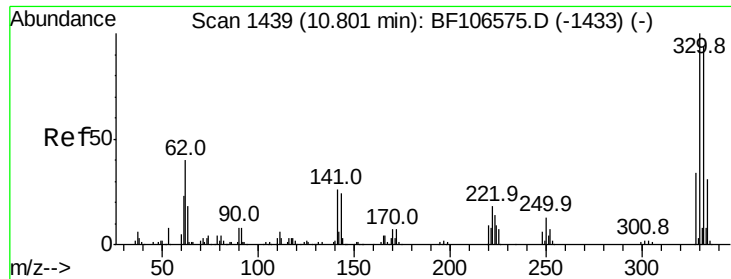
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.7	86.1	129.1
160	43.8	38.3	57.5





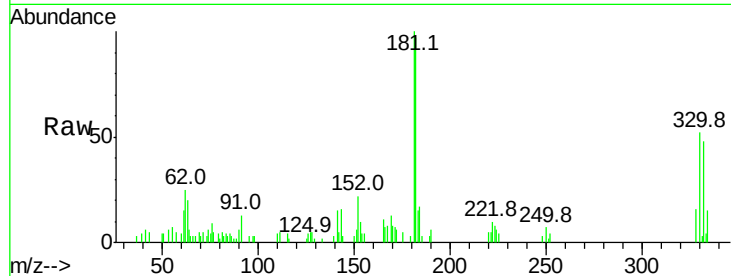
#41
 2,4,6-Tribromophenol
 Concen: 3.898 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Instrument :
 BNA_F
 ClientSampleID :
 AREA-3(D)DL

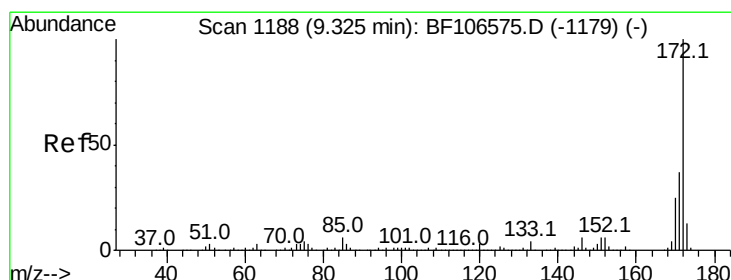
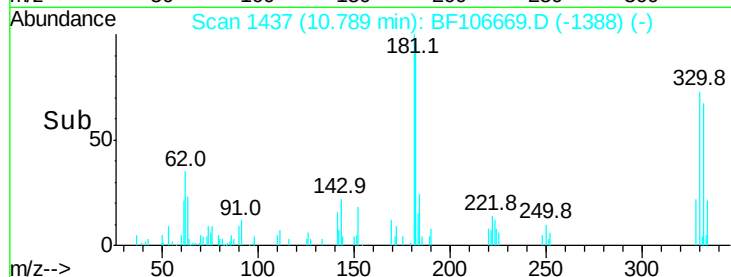
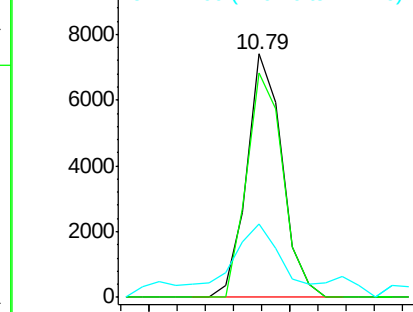
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	36.3	29.9	44.9

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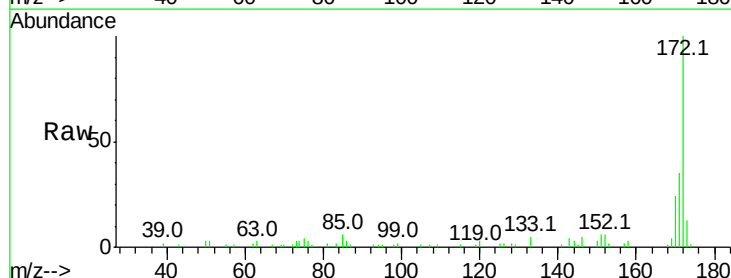


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

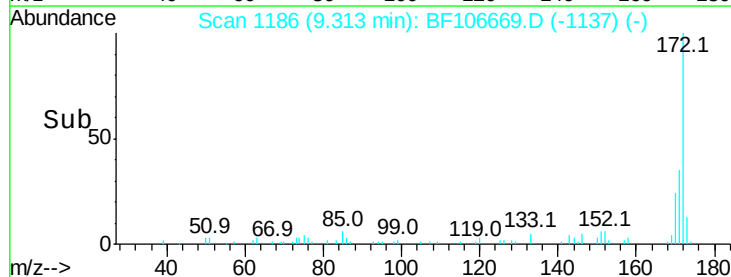
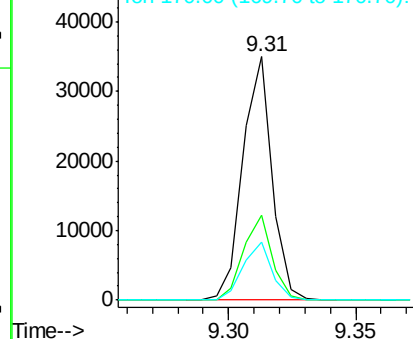


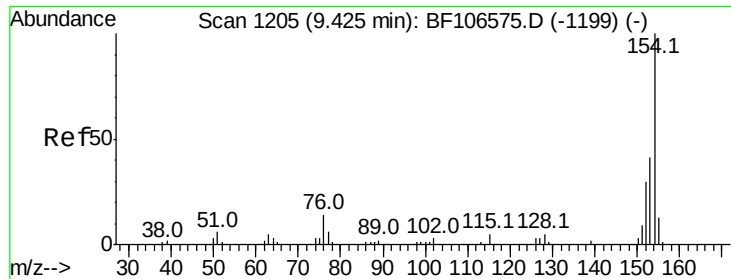
#44
 2-Fluorobiphenyl
 Concen: -13.834 ng m
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.255 ng

RT: 9.41 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

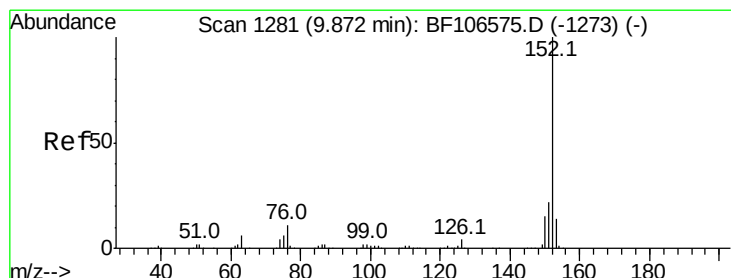
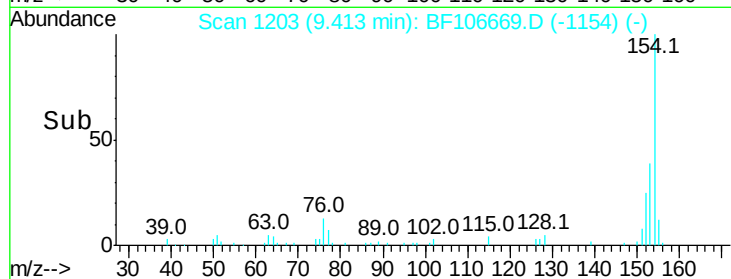
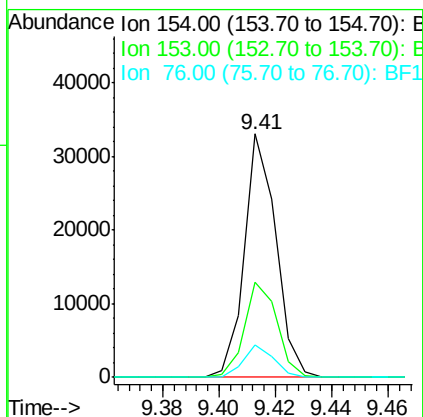
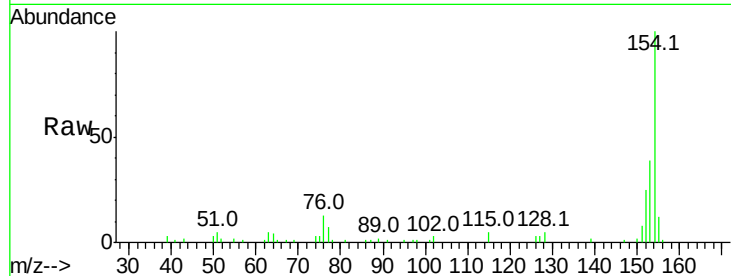
ClientSampleId :

AREA-3(D)DL

Tot Ion:	154	Resp:	25604
Ion Ratio	Lower	Upper	
154	100		
153	39.0	21.3	61.3
76	13.2	0.0	34.0

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#48

Acenaphthylene

Concen: 3.042 ng

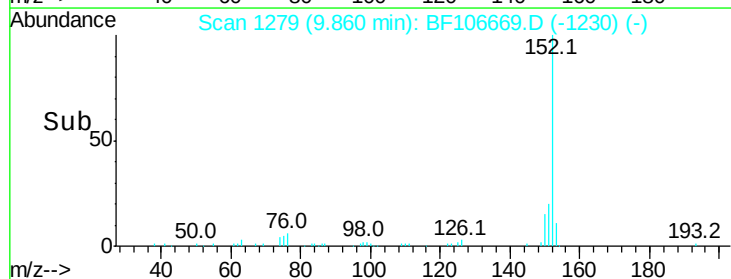
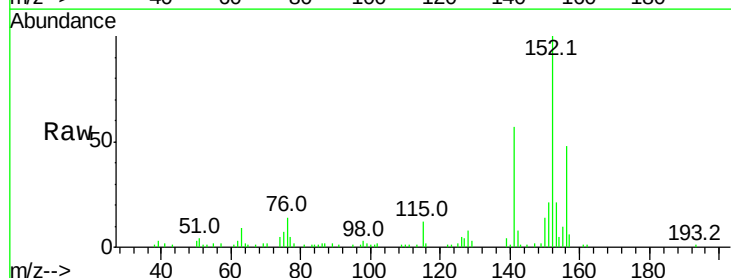
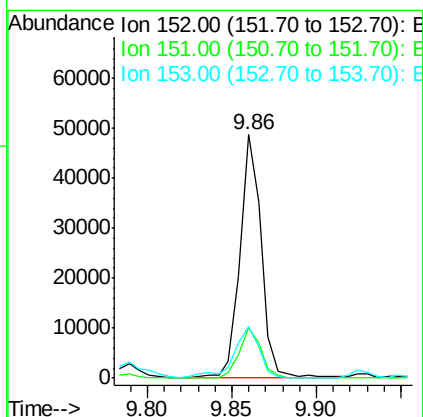
RT: 9.86 min Scan# 1279

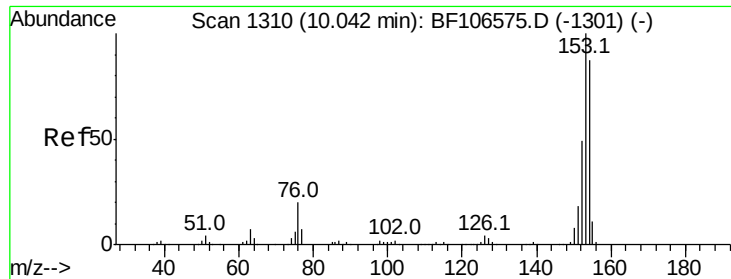
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	152	Resp:	42918
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	21.3	10.7	16.1#





#51

Acenaphthene

Concen: 9.733 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

ClientSampleId :

AREA-3(D)DL

Tot Ion:154 Resp: 86460

Ion Ratio Lower Upper

154 100

153 116.2 91.2 136.8

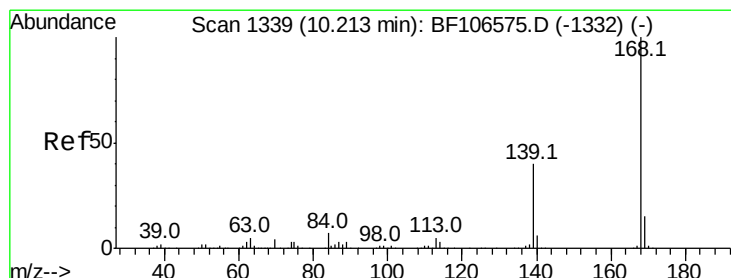
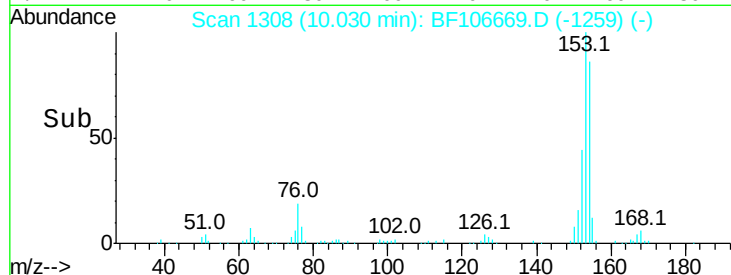
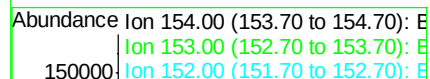
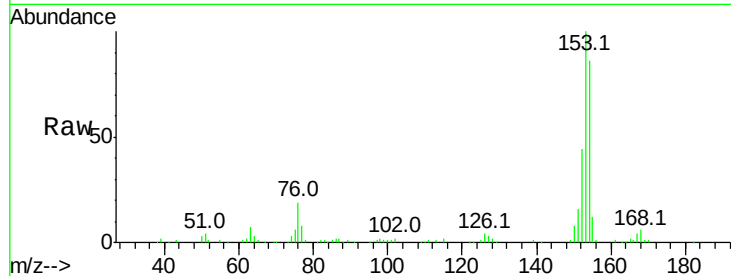
152 50.8 43.8 65.8

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#54

Dibenzofuran

Concen: 4.281 ng

RT: 10.20 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

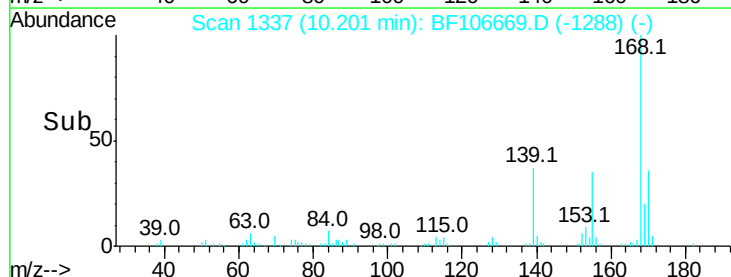
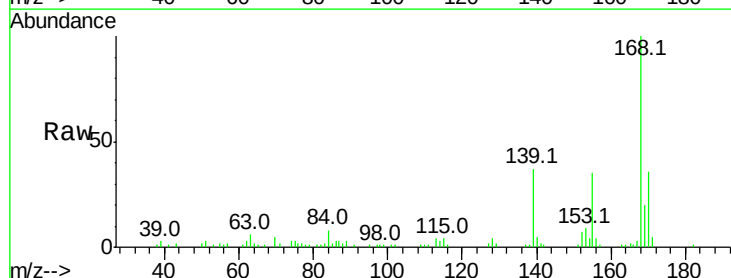
Tgt Ion:168 Resp: 52074

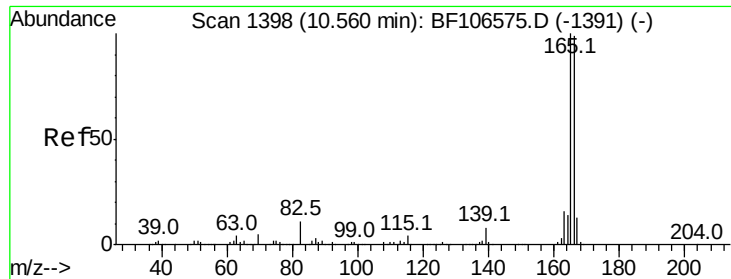
Ion Ratio Lower Upper

168 100

139 36.6 30.1 45.1

169 19.7 10.9 16.3#





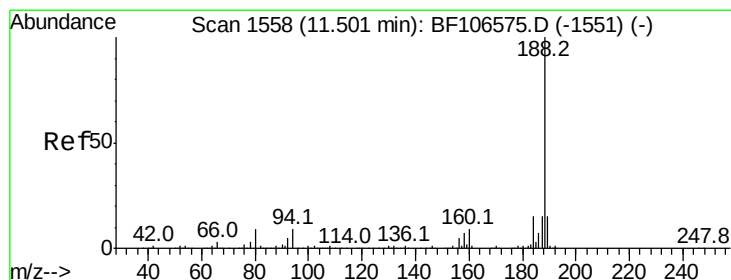
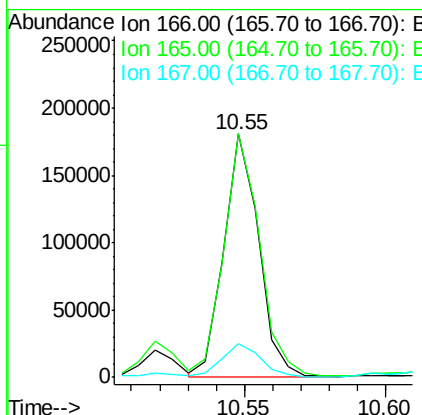
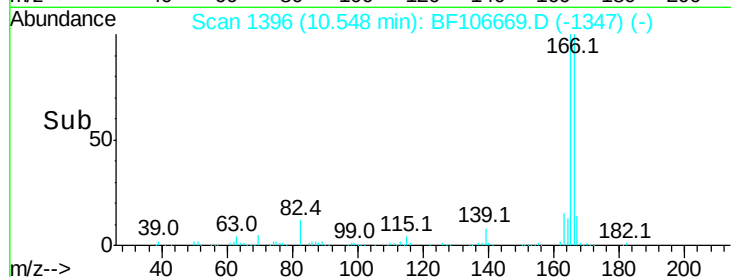
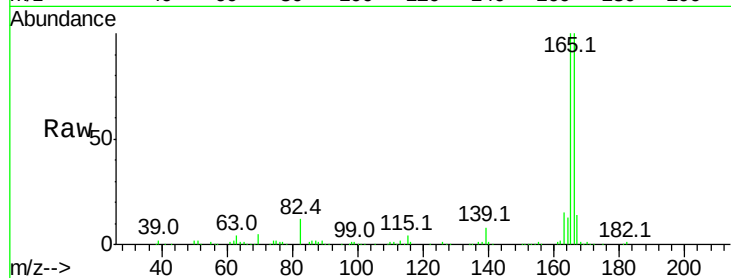
#57
 Fluorene
 Concen: 15.952 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(D)DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	79.8	119.8	
167	13.8	10.6	16.0	

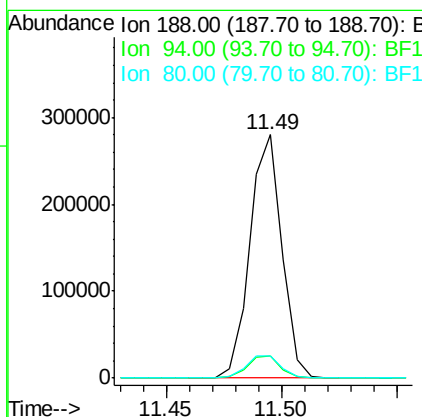
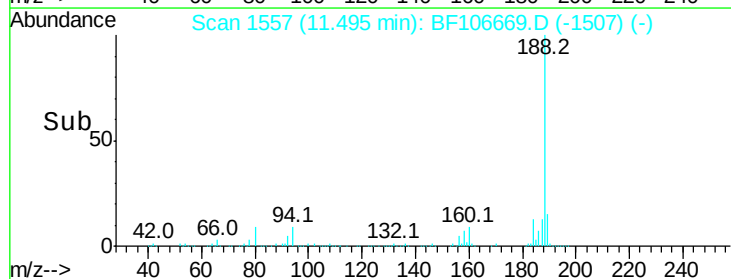
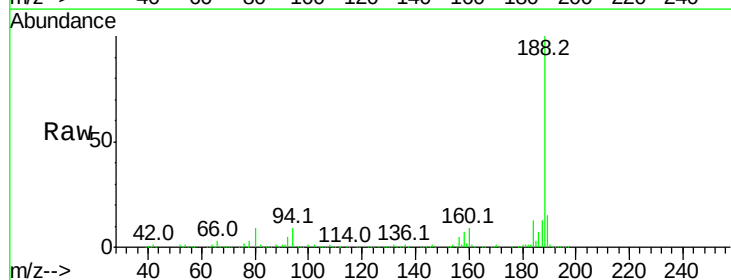
Manual Integrations
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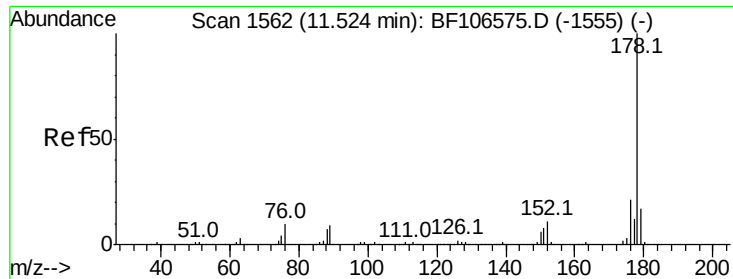
Sohil
 7/3/2018 3:52:18 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.9	8.5	12.7	
80	9.2	9.2	13.8	





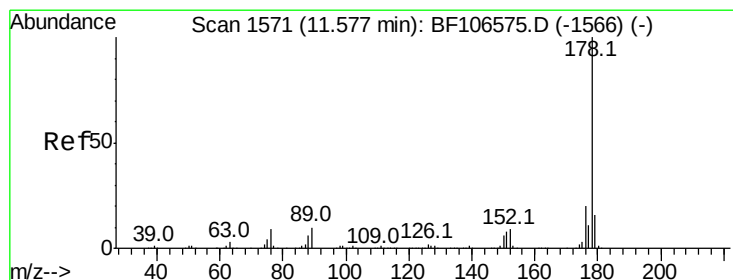
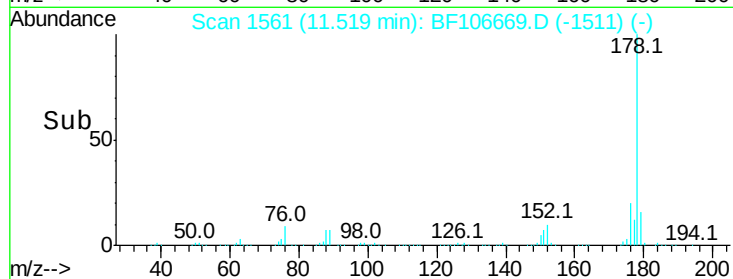
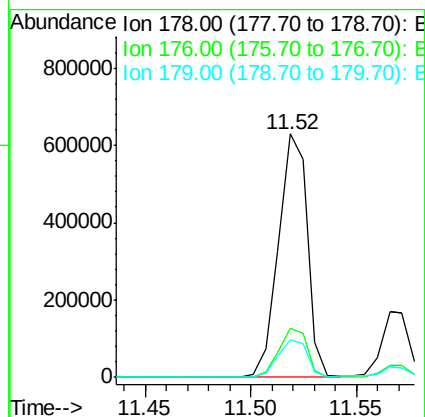
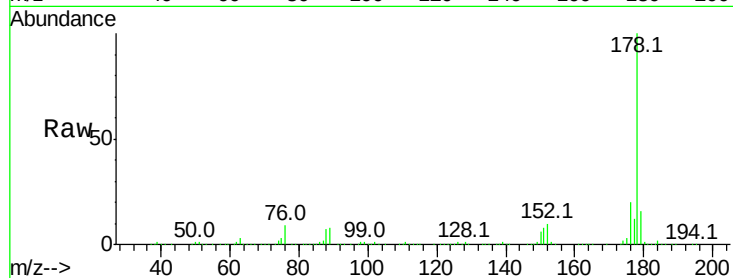
#70
Phenanthrene
Concen: 45.812 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

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

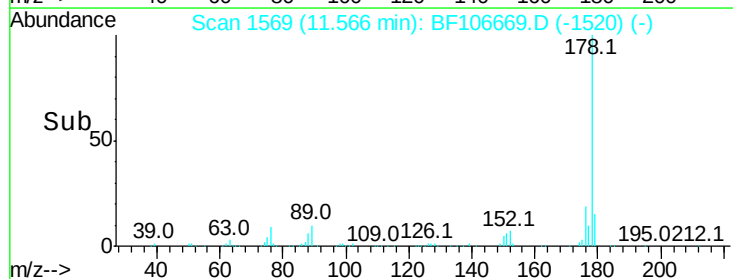
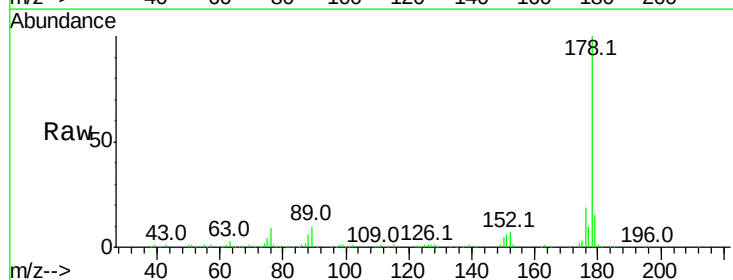
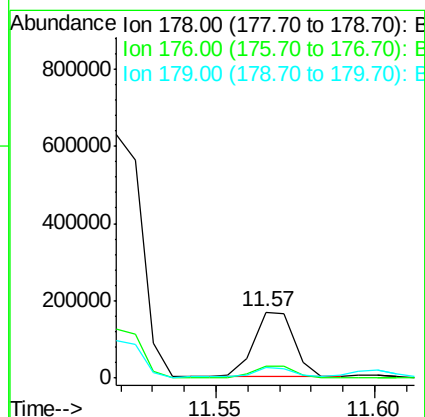
Manual Integrations
APPROVED

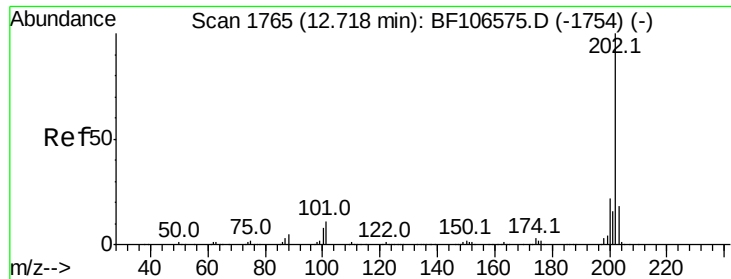
Sohil
7/3/2018 3:52:18 PM



#71
Anthracene
Concen: 11.293 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 24.799 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

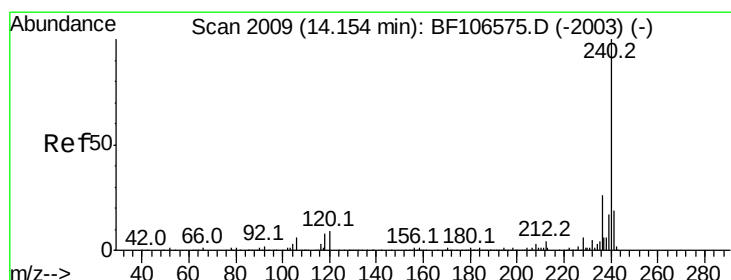
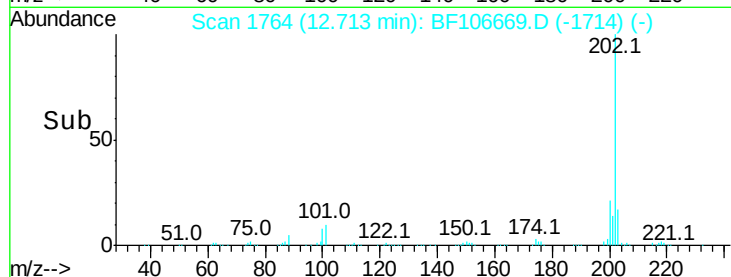
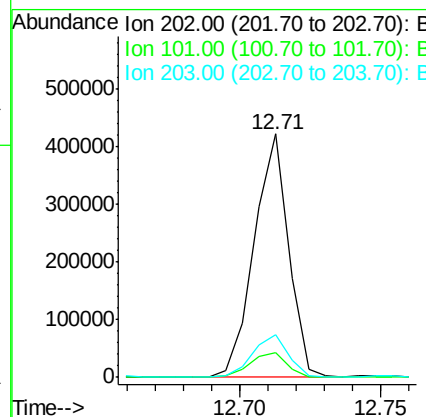
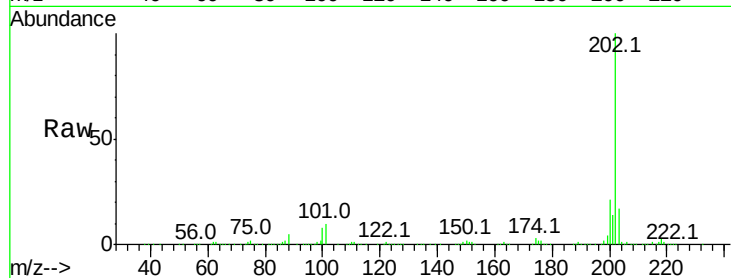
ClientSampleId :

AREA-3(D)DL

Tot Ion:	202	Resp:	356660
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

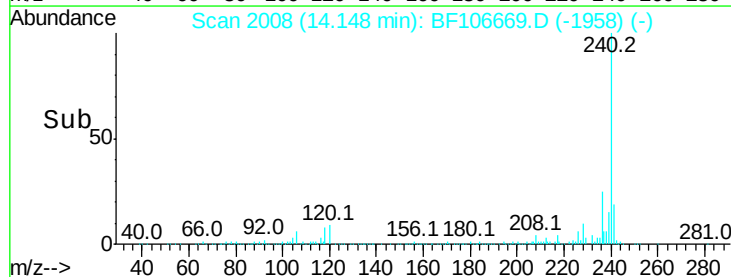
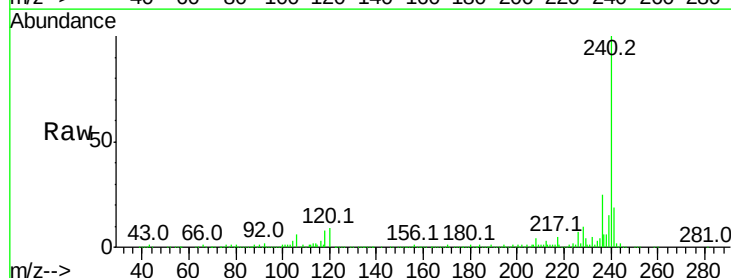
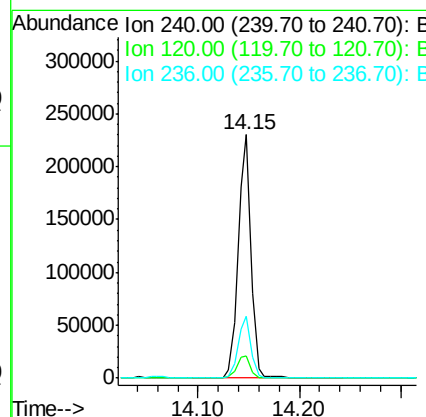
RT: 14.15 min Scan# 2008

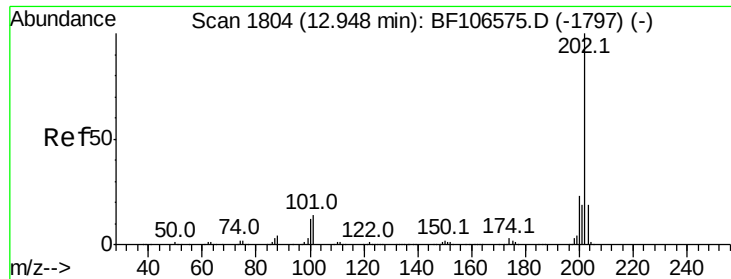
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	240	Resp:	203163
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	25.2	20.7	31.1





#77

Pvrene

Concen: 32.769 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

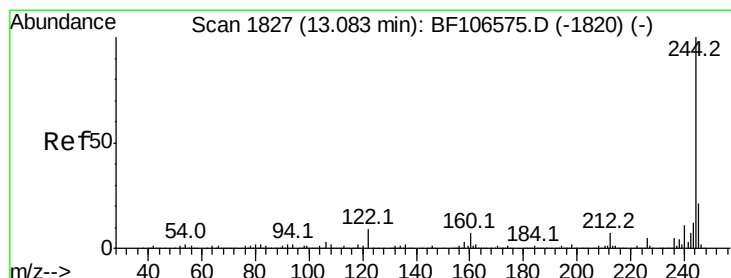
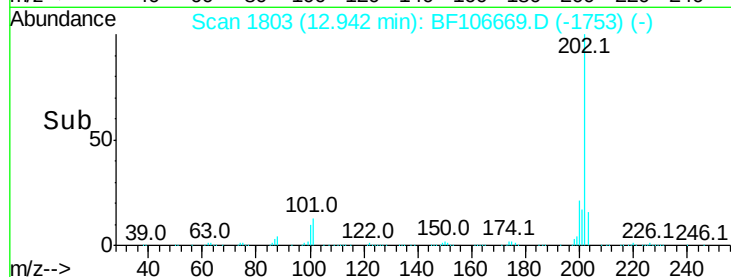
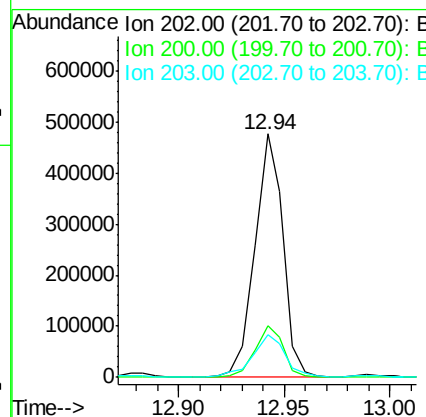
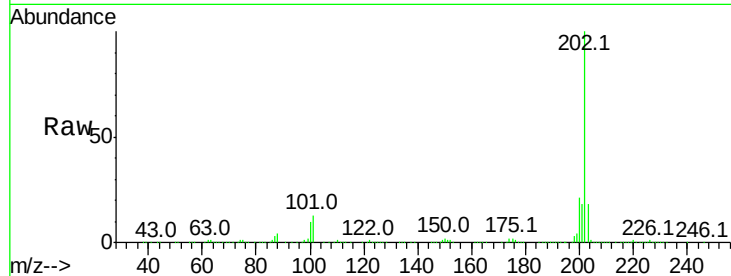
ClientSampleId :

AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 4.924 ng

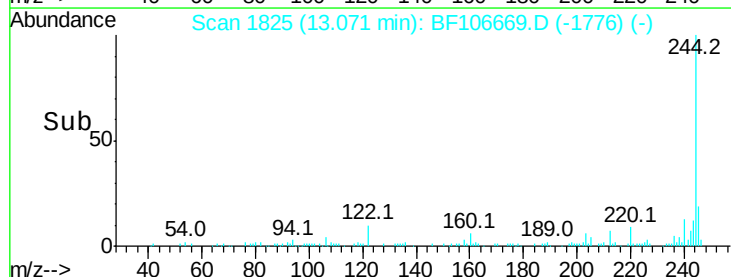
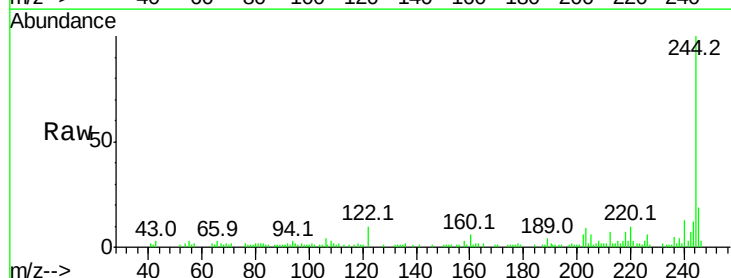
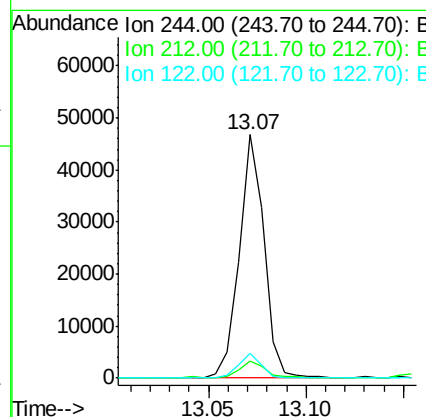
RT: 13.07 min Scan# 1825

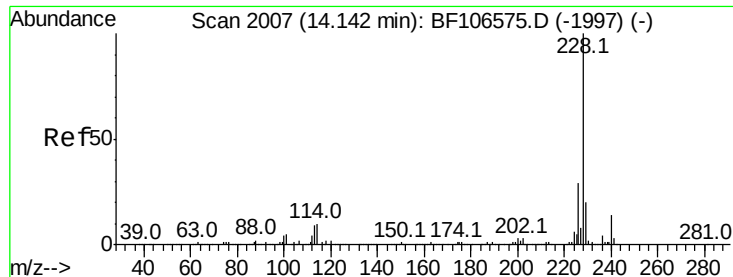
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.1	11.0	16.4#





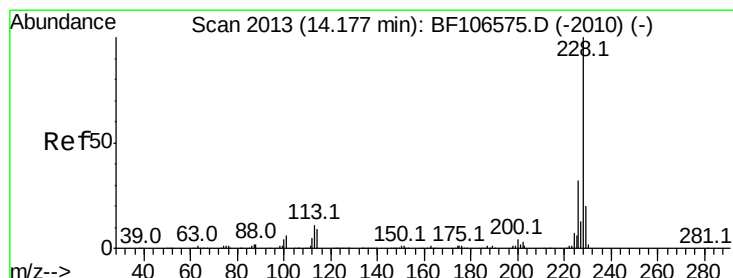
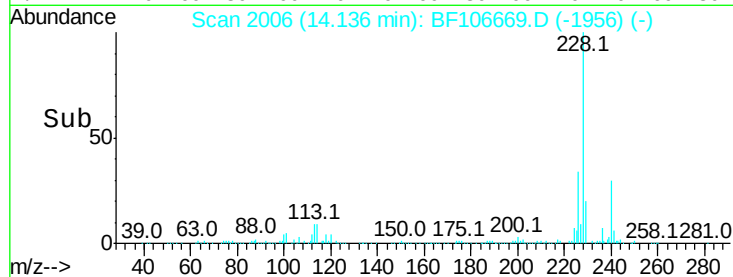
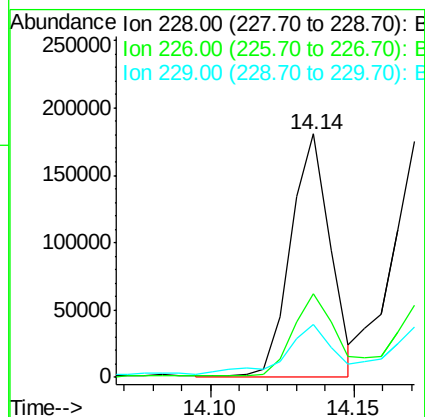
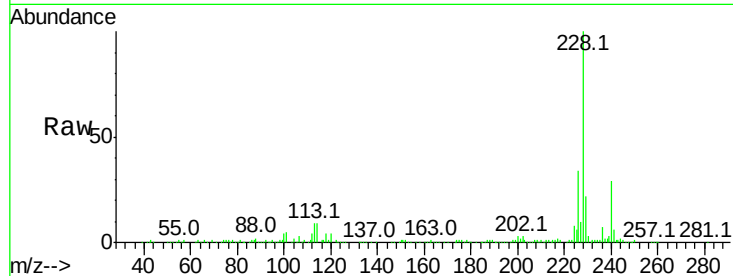
#80
Benzo(a)anthracene
Concen: 13.969 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.6	33.8#
229	22.0	15.8	23.6

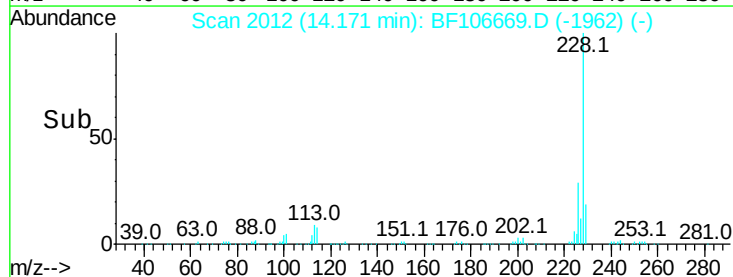
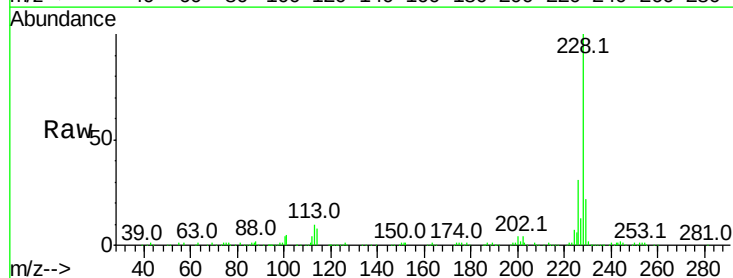
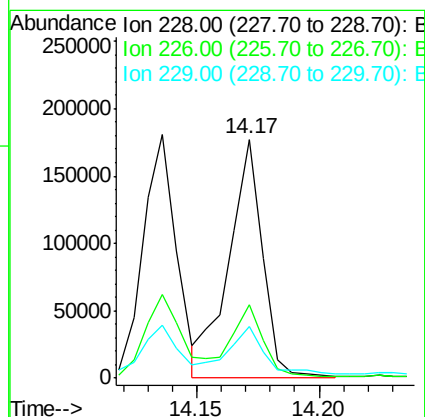
Manual Integrations
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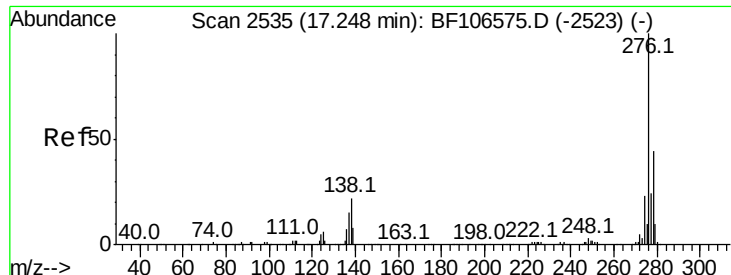
Sohil
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#82
Chrysene
Concen: 14.953 ng m
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.5	16.2	24.4





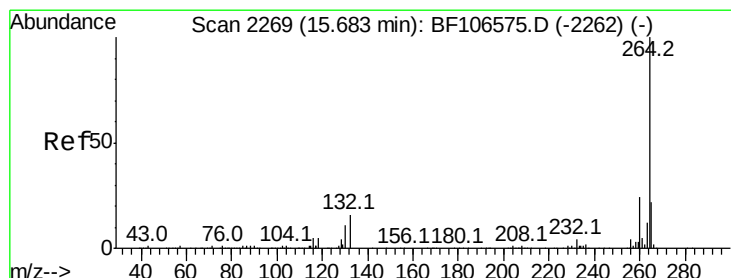
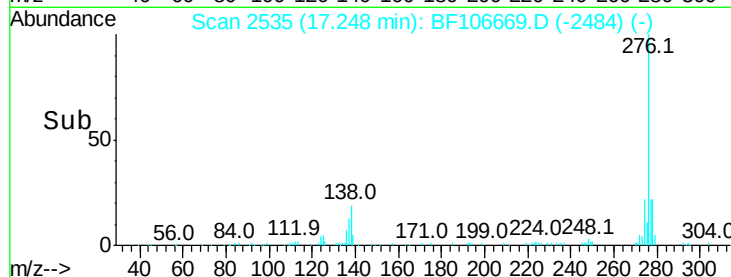
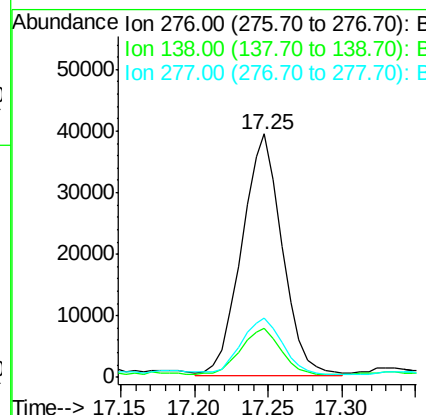
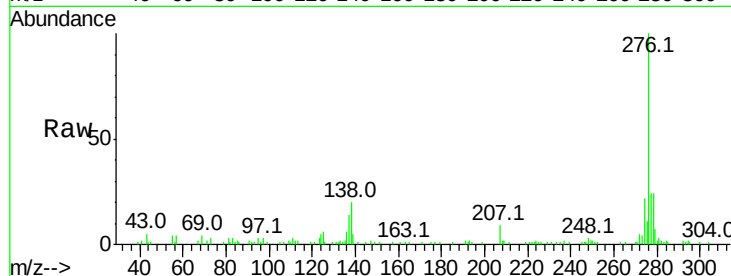
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.836 ng/ml
 RT: 17.25 min Scan# 2535
 Delta R.T. 0.00 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Instrument :
 BNA_F
 ClientSampleID :
 AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.1	25.0	37.6#
277	4.4	20.1	30.1#

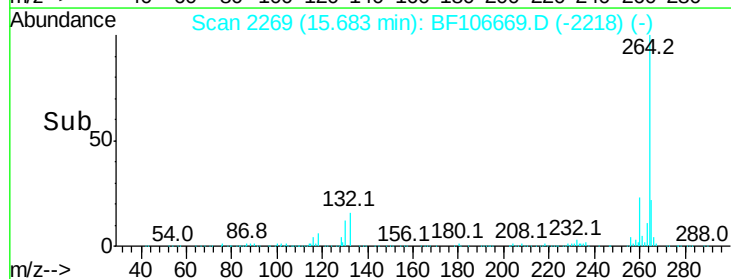
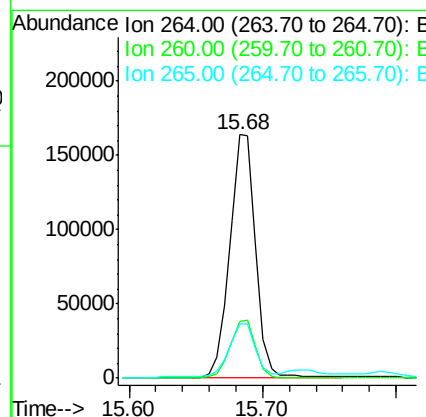
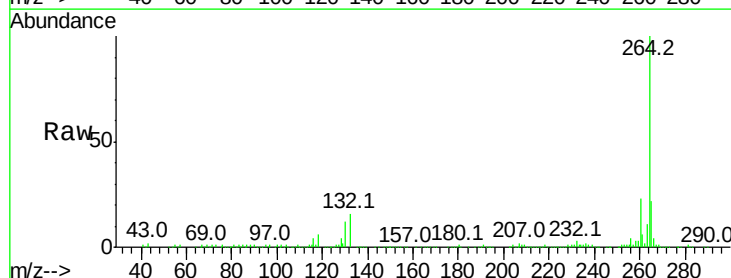
Manual Integrations
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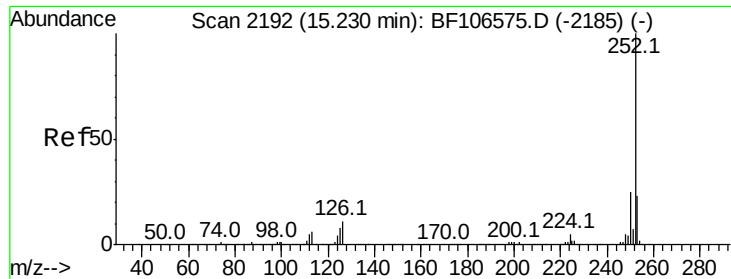
Sohil
 7/3/2018 3:52:18 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3





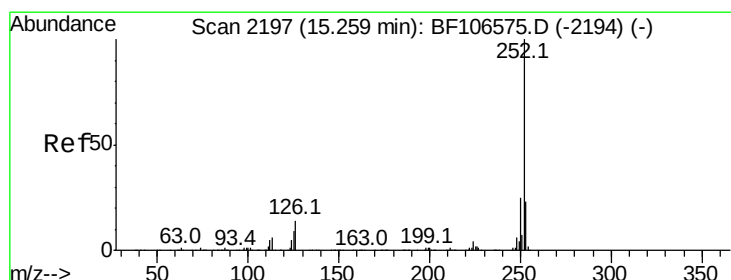
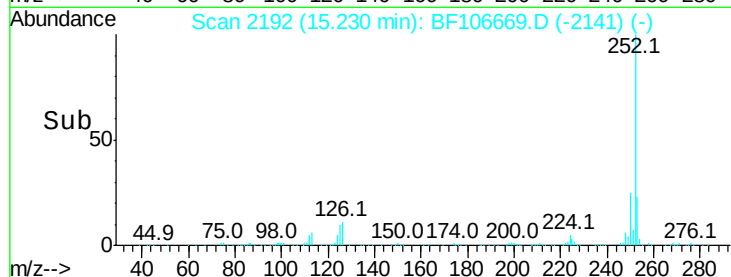
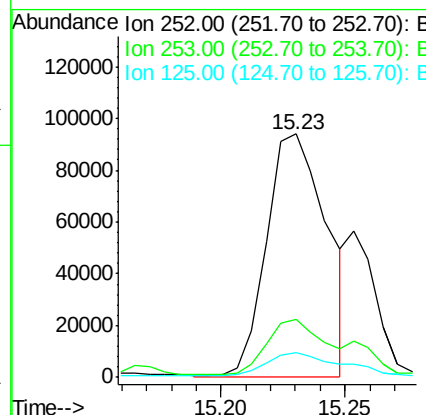
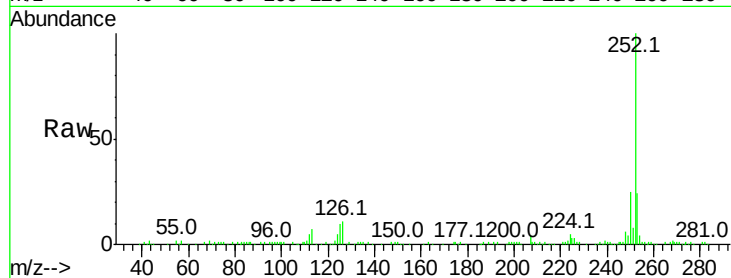
#87
Benzo(b)fluoranthene
Concen: 11.554 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	10.0	9.0	13.6

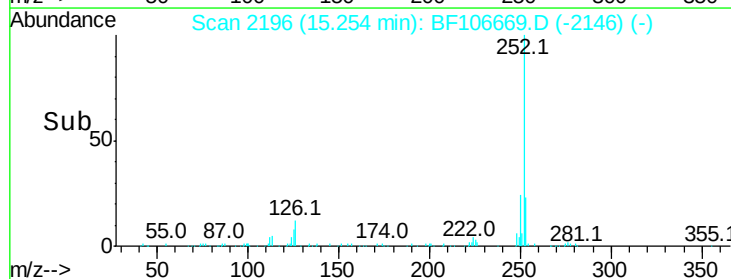
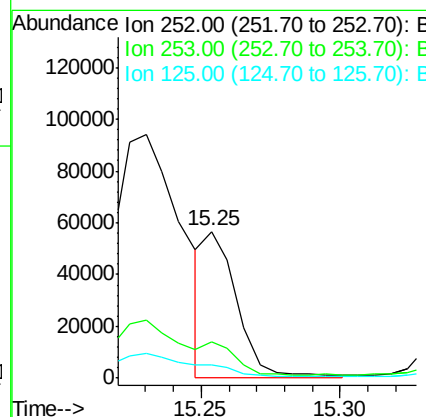
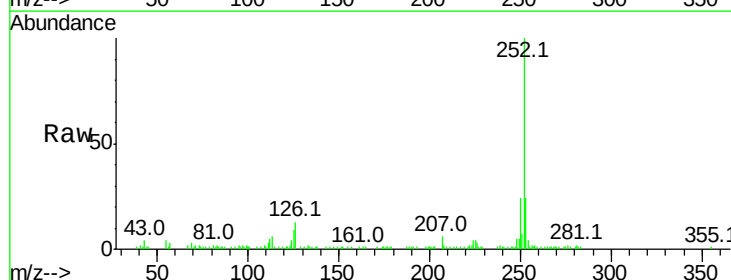
Manual Integrations
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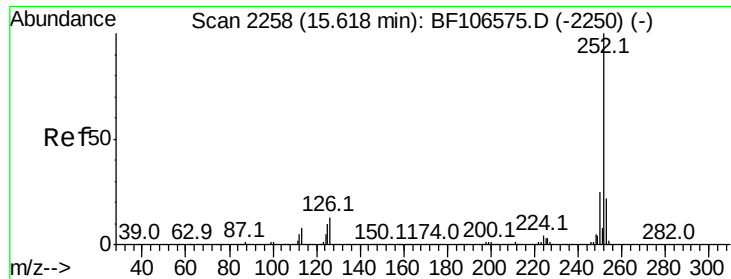
Sohil
7/3/2018 3:52:18 PM



#88
Benzo(k)fluoranthene
Concen: 3.633 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	9.1	10.2	15.2#





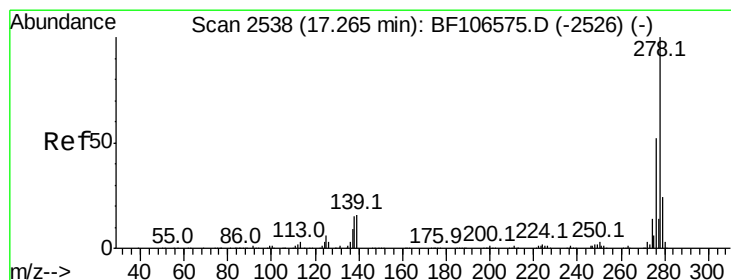
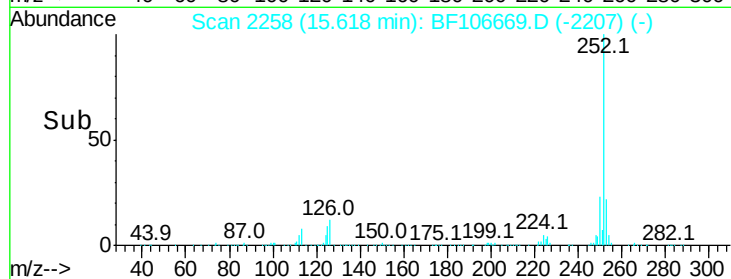
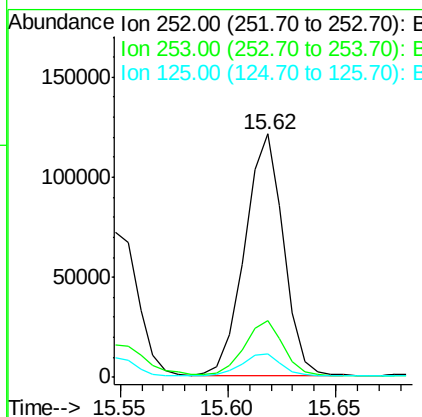
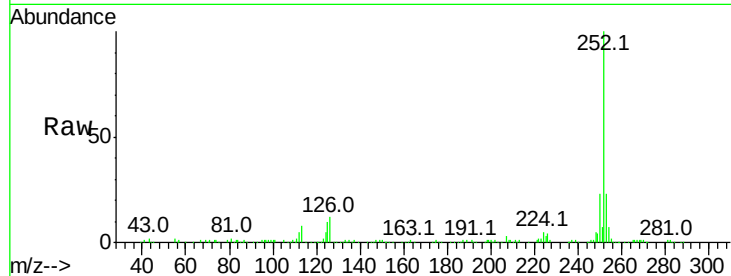
#89
Benzo(a)pyrene
Concen: 12.510 ng m
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	9.5	9.8	14.6

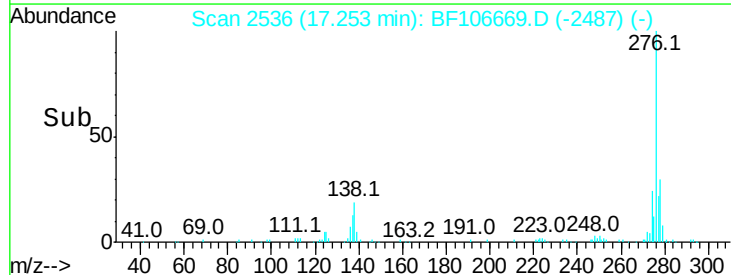
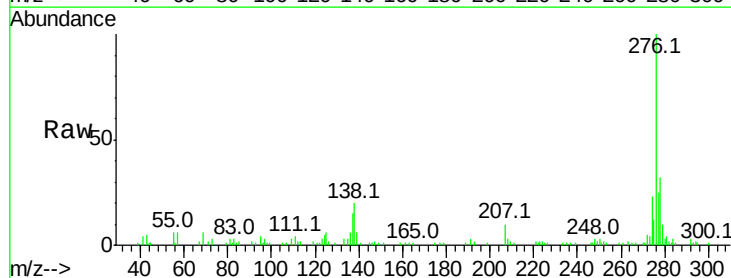
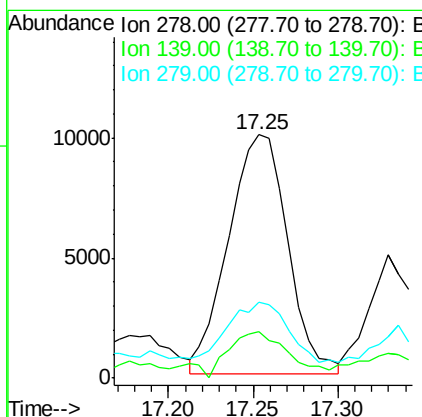
Manual Integrations
APPROVED

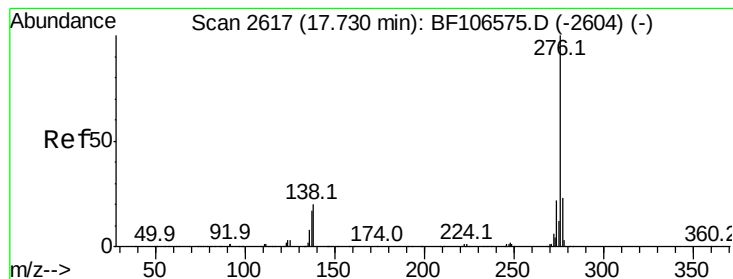
Sohil
7/3/2018 3:52:18 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.325 ng m
RT: 17.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.9	23.9
279	31.2	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 7.477 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

ClientSampleId :

AREA-3(D)DL

Tot Ion: 276 Resp: 75873

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 22.0 21.8 32.8

Manual Integrations

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