

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
 Data File : BF106943.D
 Acq On : 29 Jun 2018 1:24
 Operator : JU/SJ
 Sample : J3048-06 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TP-3-S

Manual Integrations
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Sohil
 6/29/2018 2:31:00 PM

Quant Time: Jun 29 06:43:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	64995	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	237818	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	98700	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	176133	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	216848	20.00	ng	-0.03
86) Perylene-d12	15.67	264	186846	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	191750	49.96	ng	-0.01
7) Phenol-d6	6.59	99	230204	48.03	ng	-0.02
23) Nitrobenzene-d5	7.51	82	133340	31.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	50235	43.91	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	209422	25.61	ng	-0.02
78) Terphenyl-d14	13.07	244	237373	26.52	ng	-0.02
Target Compounds						
31) Naphthalene	8.25	128	29878	2.687	ng	99
49) Dimethylphthalate	9.70	163	26639	3.599	ng	# 98
51) Acenaphthene	10.02	154	64871	10.539	ng	98
54) Dibenzofuran	10.20	168	44495	5.279	ng	94
57) Fluorene	10.54	166	46551	6.960	ng	98
70) Phenanthrene	11.51	178	257884	30.356	ng	98
71) Anthracene	11.56	178	72970	8.415	ng	99
72) Carbazole	11.72	167	17840	2.197	ng	99
74) Fluoranthene	12.71	202	442033	47.208	ng	95
77) Pyrene	12.94	202	403533	28.220	ng	99
80) Benzo(a)anthracene	14.13	228	239098	18.091	ng	99
82) Chrysene	14.17	228	214787m	17.665	ng	
85) Indeno(1,2,3-cd)pyrene	17.24	276	81662	7.914	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	249242m	21.474	ng	
88) Benzo(k)fluoranthene	15.24	252	75088m	6.793	ng	
89) Benzo(a)pyrene	15.61	252	166455m	16.132	ng	
90) Dibenzo(a,h)anthracene	17.25	278	21780	2.491	ng	# 91
91) Benzo(g,h,i)perylene	17.72	276	84721	9.912	ng	# 87

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

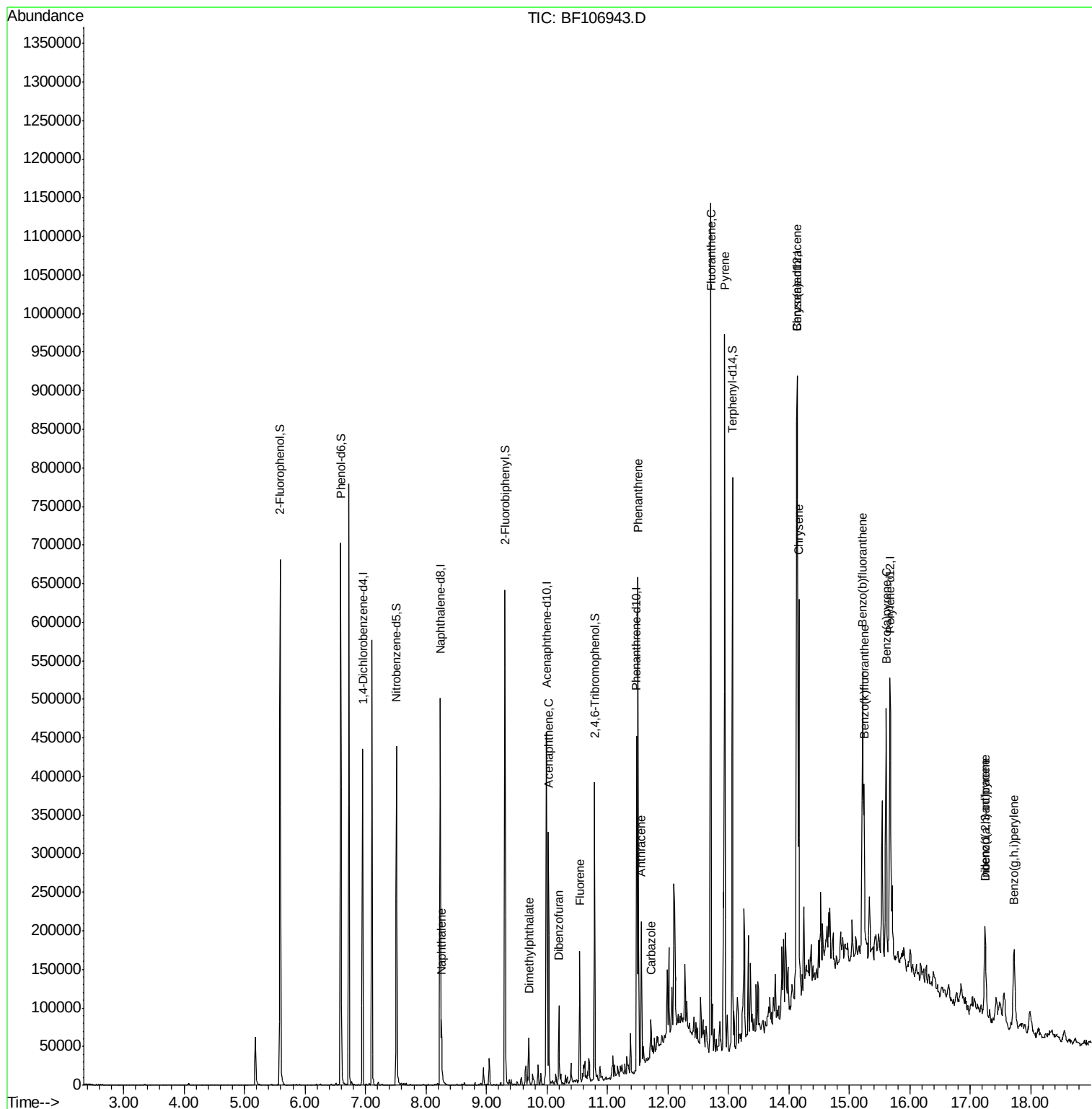
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
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ALS Vial : 20 Sample Multiplier: 1

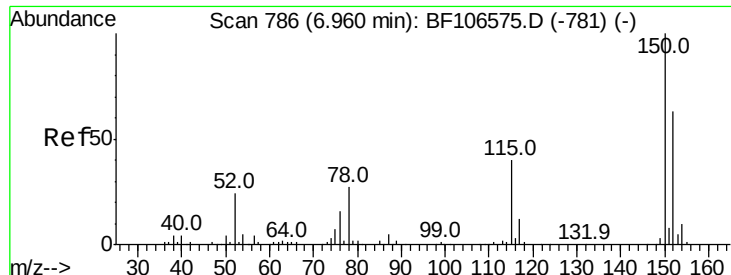
Instrument :
BNA_F
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TP-3-S

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#1

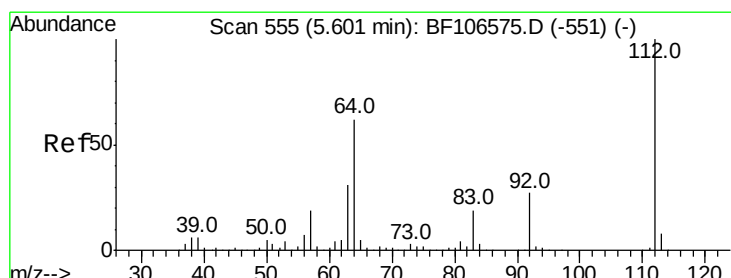
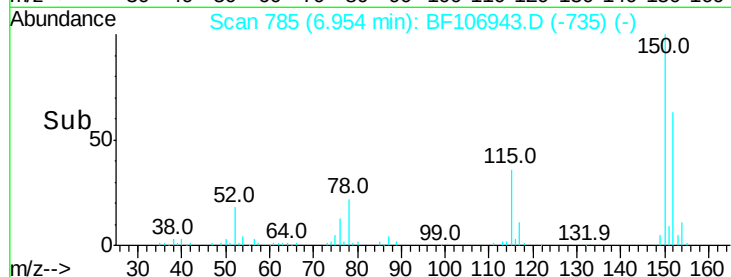
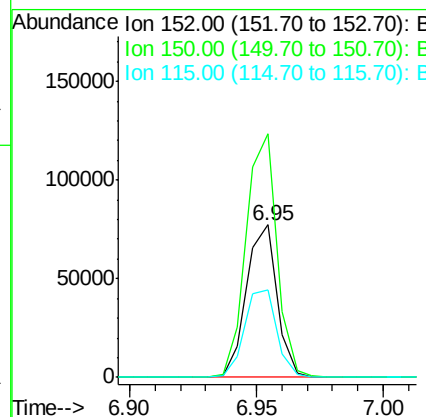
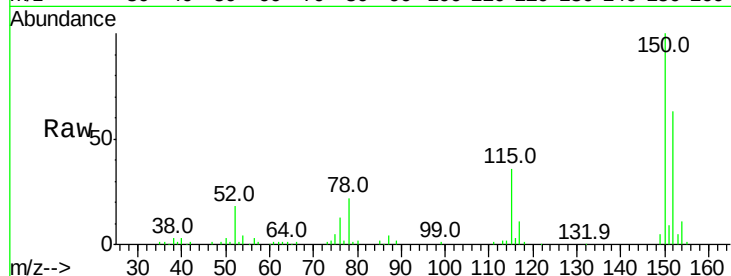
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	57.5	50.1	75.1

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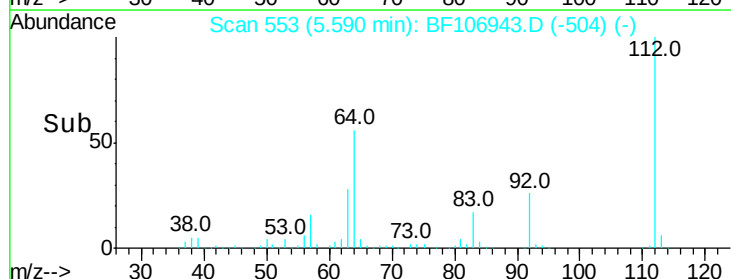
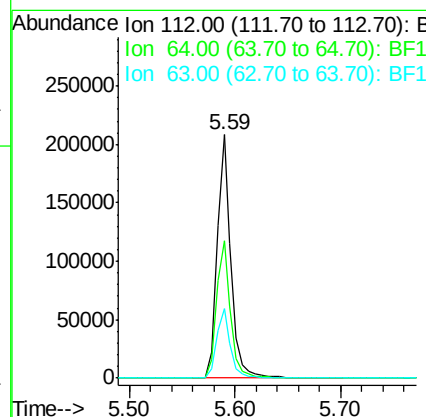
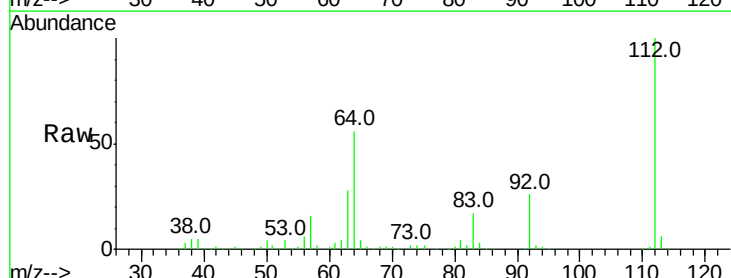
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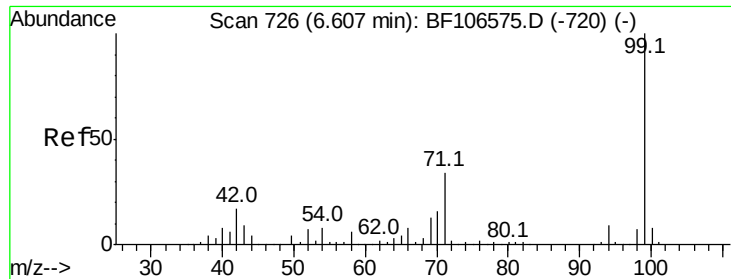


#5

2-Fluorophenol
Concen: 49.957 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 48.026 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Instrument :

BNA_F

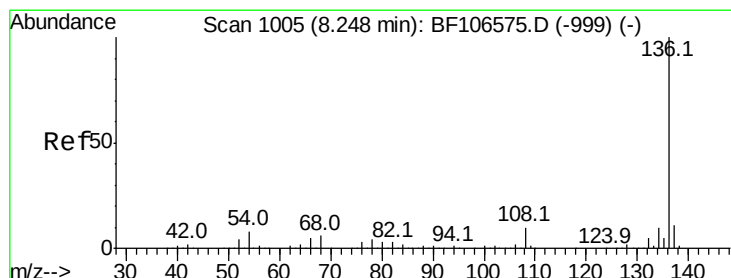
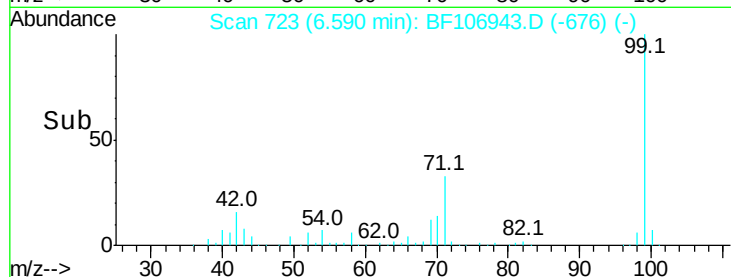
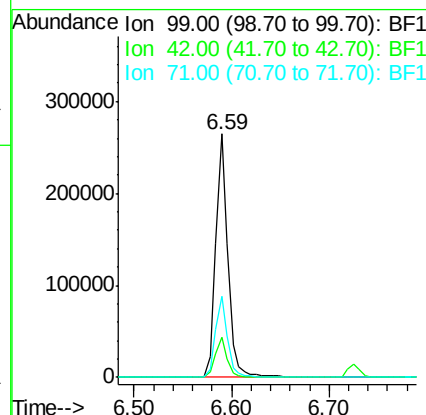
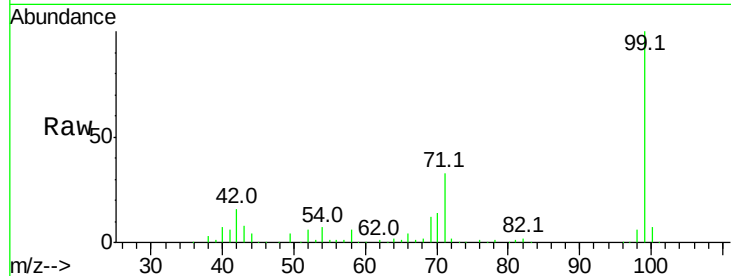
ClientSampled :

TP-3-S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		230204		
42	16.5	14.5	21.7		
71	33.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

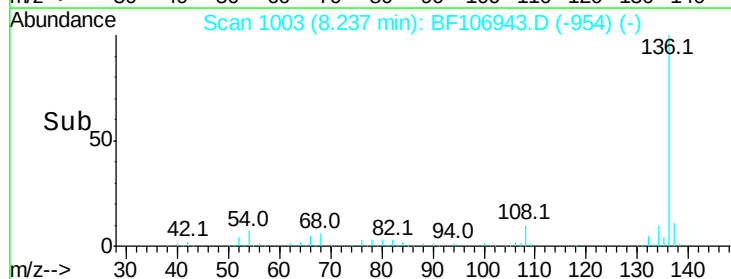
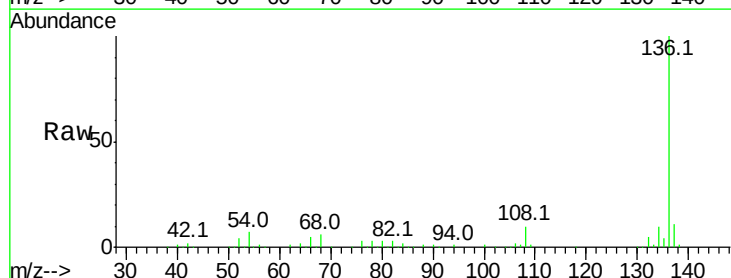
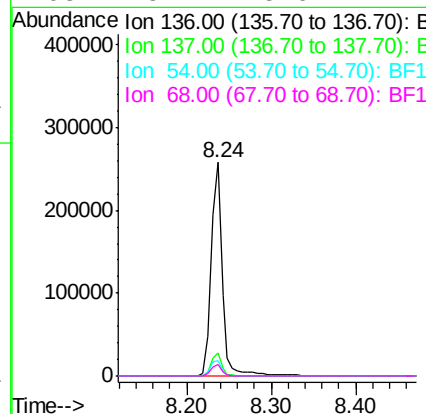
RT: 8.24 min Scan# 1003

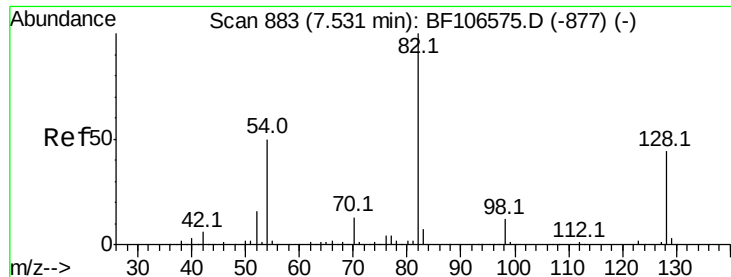
Delta R.T. -0.01 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		237818		
137	10.7	8.9	13.3		
54	7.2	6.6	9.8		
68	5.7	5.0	7.4		





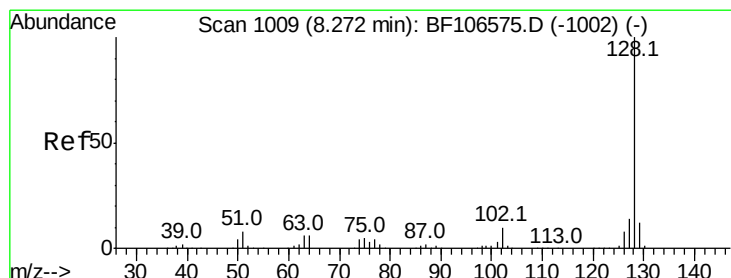
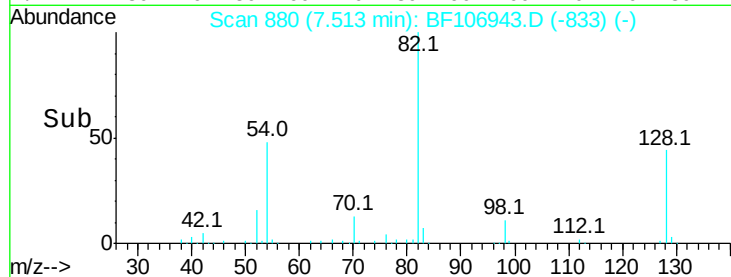
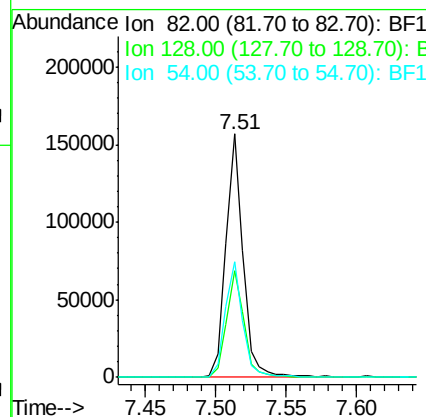
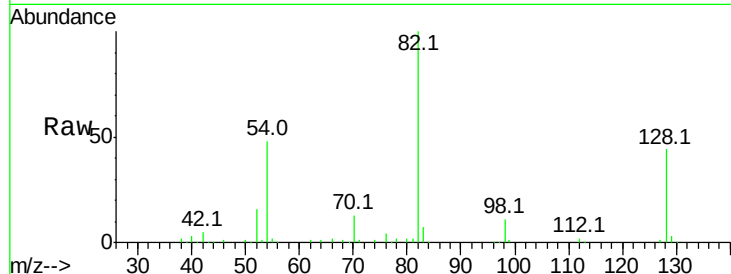
#23
 Nitrobenzene-d5
 Concen: 31.159 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF106943.D
 Acq: 29 Jun 2018 1:24

Instrument :
 BNA_F
 ClientSampled :
 TP-3-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	47.7	41.4	62.2

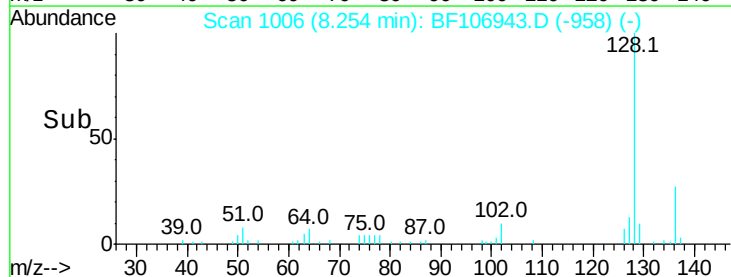
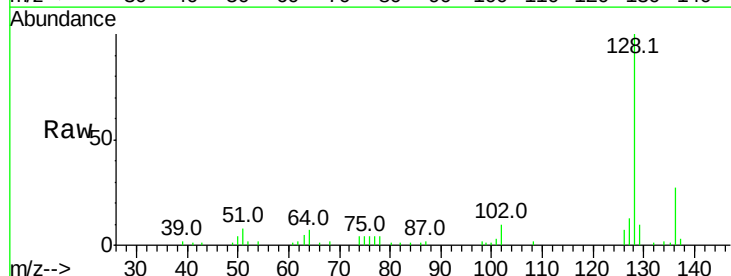
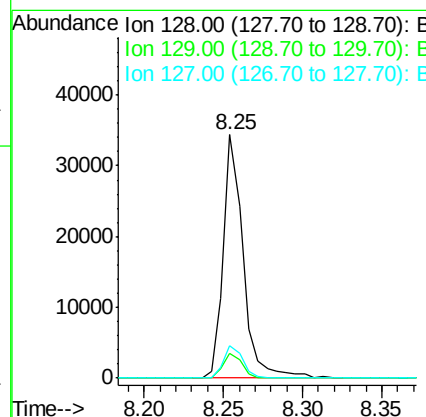
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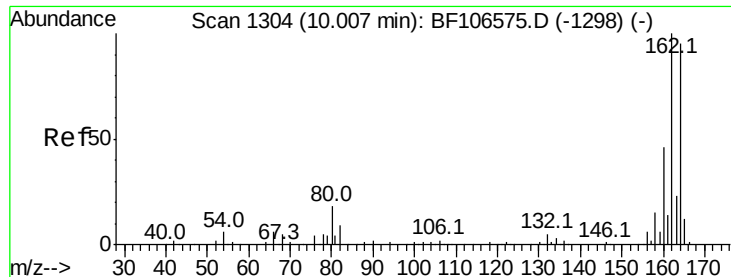
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#31
 Naphthalene
 Concen: 2.687 ng
 RT: 8.25 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF106943.D
 Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	13.2	10.9	16.3





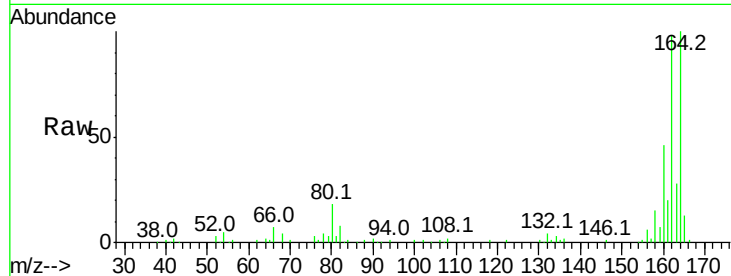
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampleId :
TP-3-S

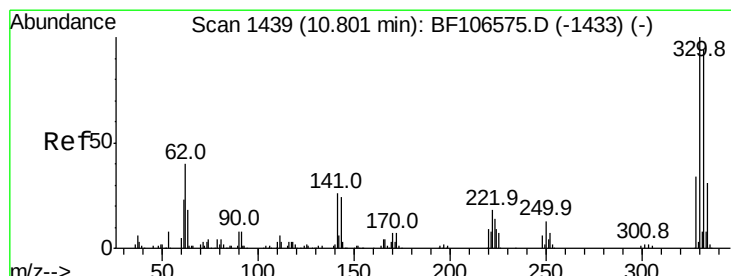
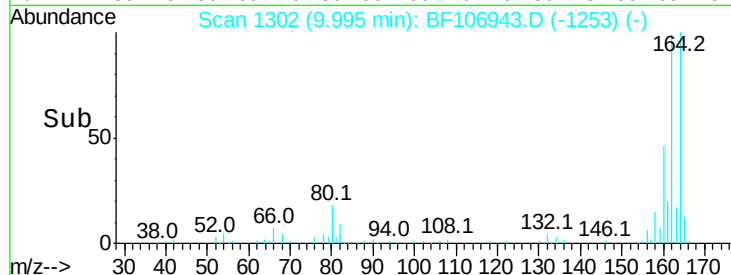
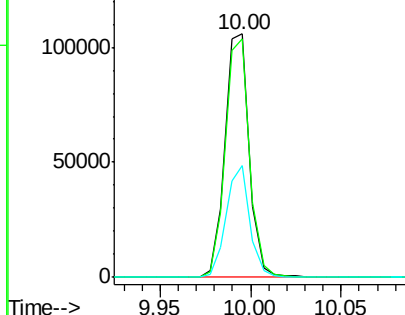
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.9	86.1	129.1
160	46.0	38.3	57.5

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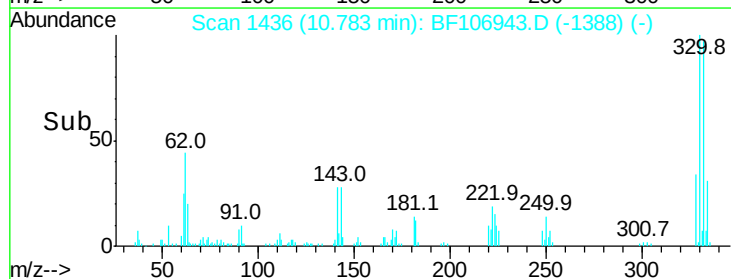
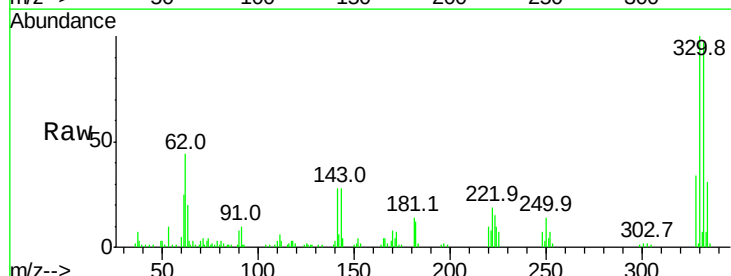
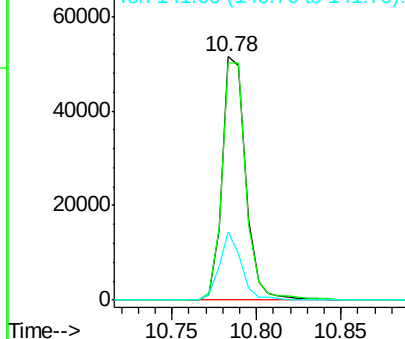
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

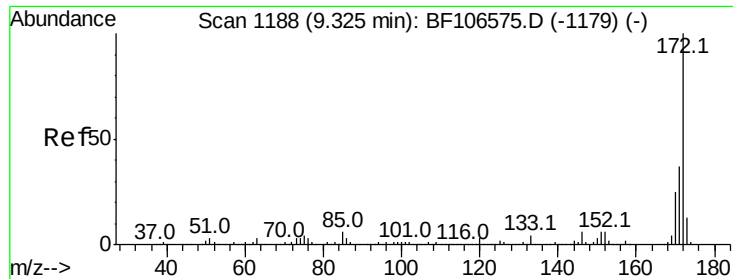


#41
2,4,6-Tribromophenol
Concen: 43.913 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.0	115.6
141	25.5	29.9	44.9#

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





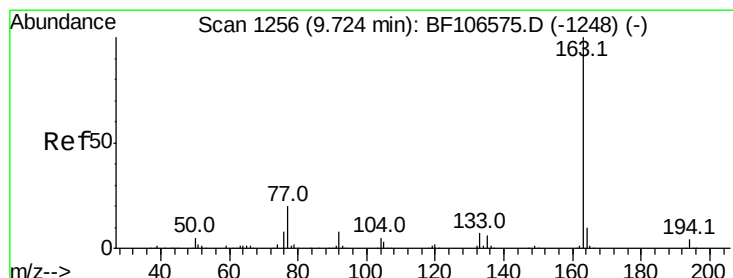
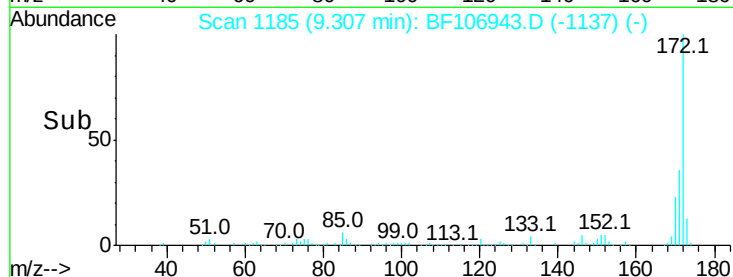
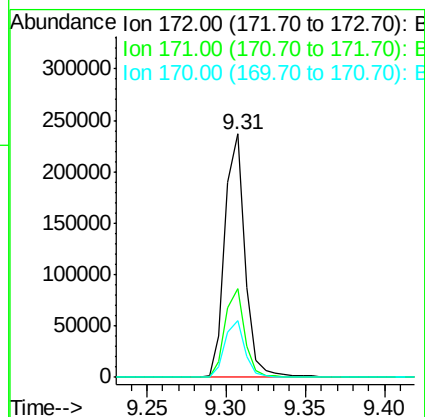
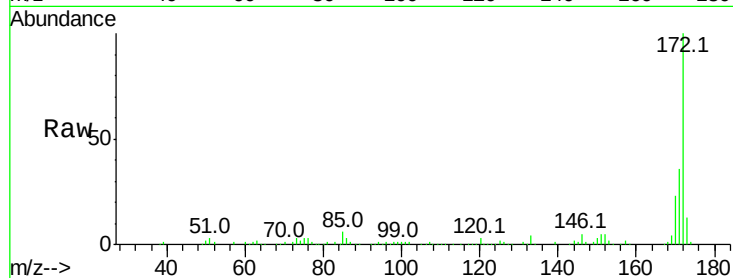
#44
2-Fluorobiphenyl
Concen: 25.607 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Resp	Lower	Upper
172	100	209422		
171	36.4		29.7	44.5
170	23.4		19.6	29.4

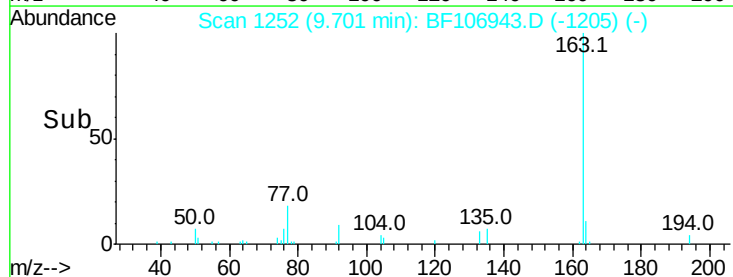
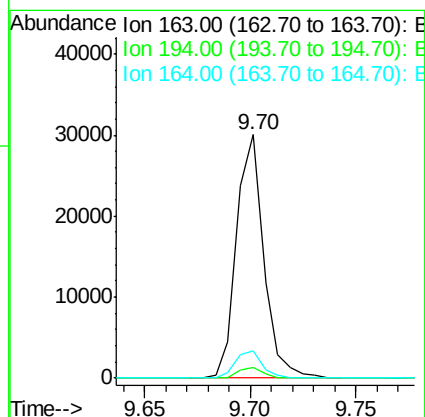
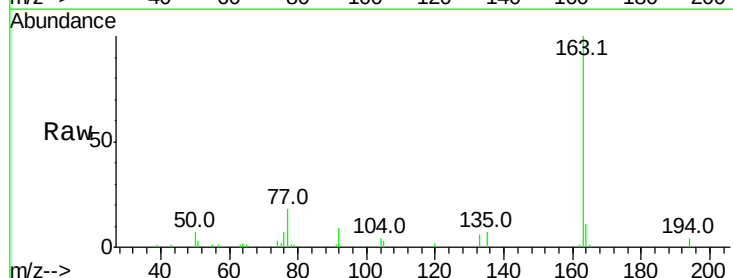
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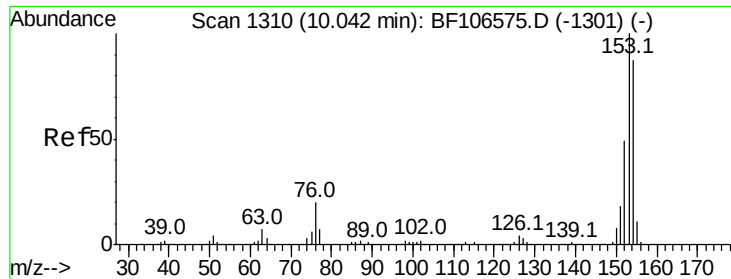
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#49
Dimethylphthalate
Concen: 3.599 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	26639		
194	4.3		2.7	4.1#
164	11.0		8.2	12.2





#51

Acenaphthene

Concen: 10.539 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Instrument :

BNA_F

ClientSampleId :

TP-3-S

Tot Ion:154 Resp: 64871

Ion Ratio Lower Upper

154 100

153 115.5 91.2 136.8

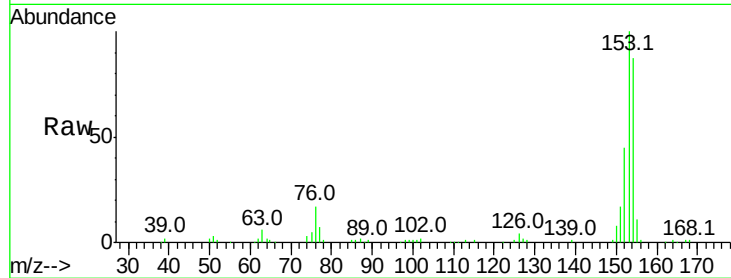
152 52.0 43.8 65.8

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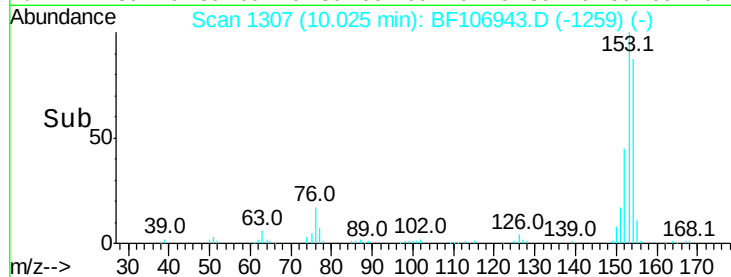
6/29/2018 2:31:00 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

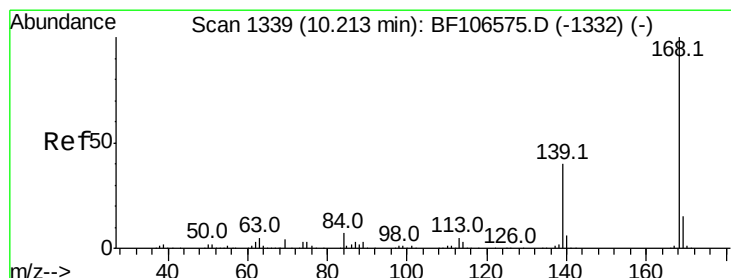
Ion 152.00 (151.70 to 152.70): E



Abundance

10.02

Time-->



#54

Dibenzofuran

Concen: 5.279 ng

RT: 10.20 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

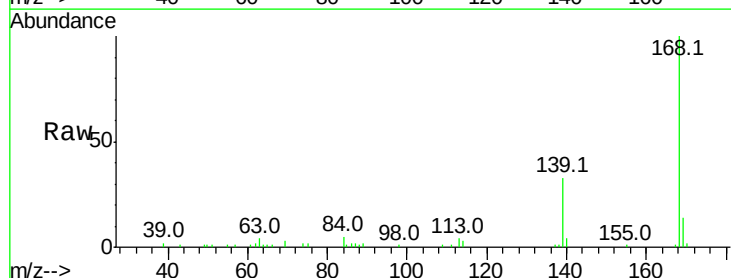
Tgt Ion:168 Resp: 44495

Ion Ratio Lower Upper

168 100

139 32.8 30.1 45.1

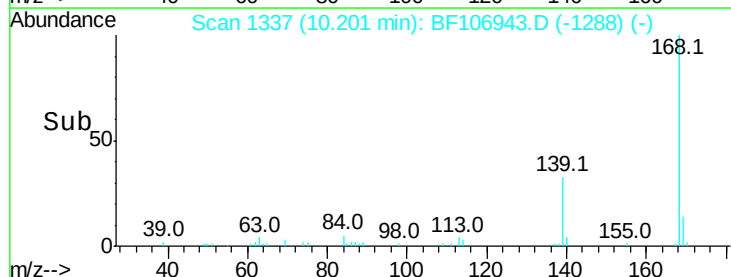
169 13.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

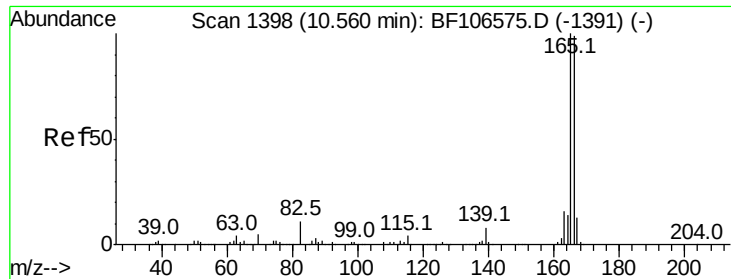
Ion 169.00 (168.70 to 169.70): E



Abundance

10.20

Time-->



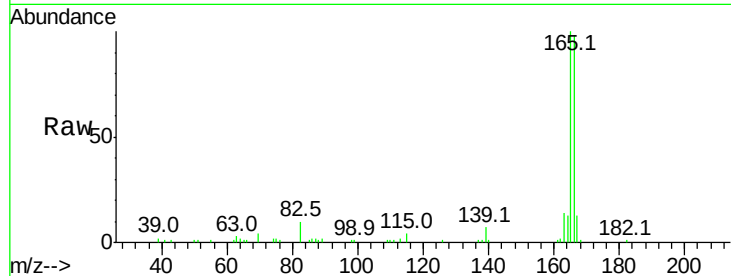
#57
 Fluorene
 Concen: 6.960 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF106943.D
 Acq: 29 Jun 2018 1:24

Instrument :
 BNA_F
 ClientSampled :
 TP-3-S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	102.3	79.8	119.8		
167	13.4	10.6	16.0		

Manual Integrations
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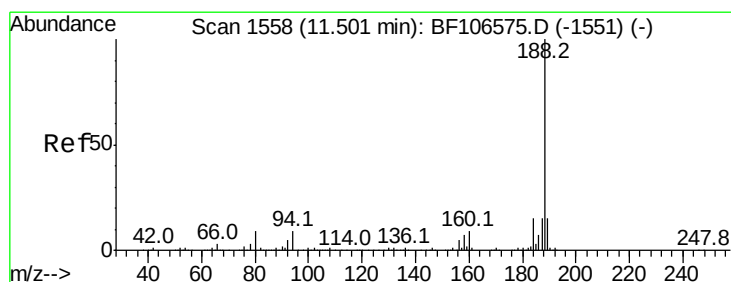
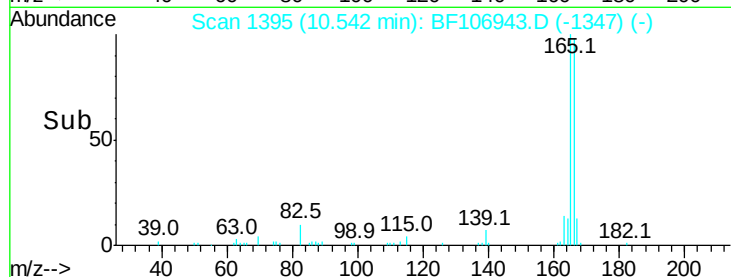
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF106943.D
 Acq: 29 Jun 2018 1:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.4	8.5	12.7#		
80	9.5	9.2	13.8		

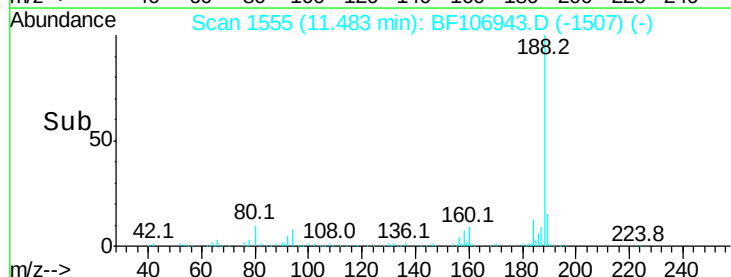
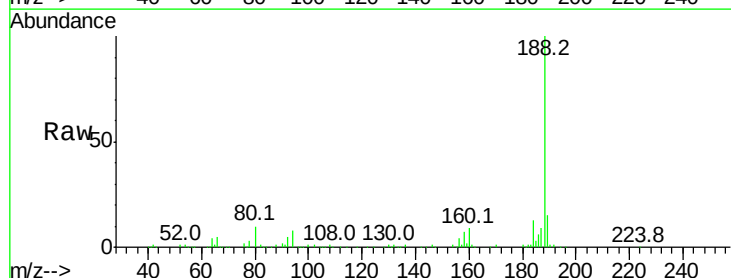
Abundance

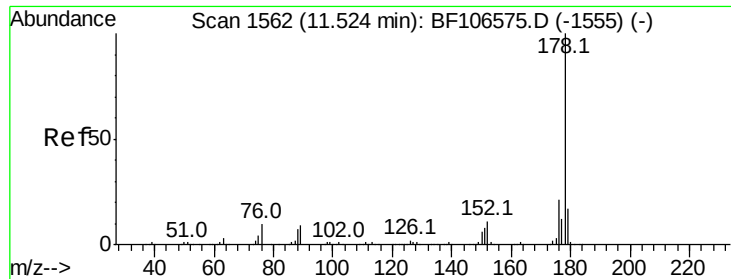
Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->





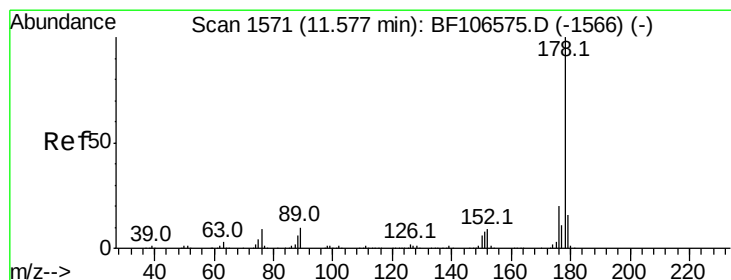
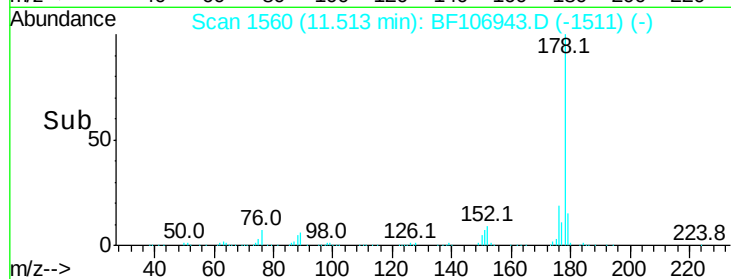
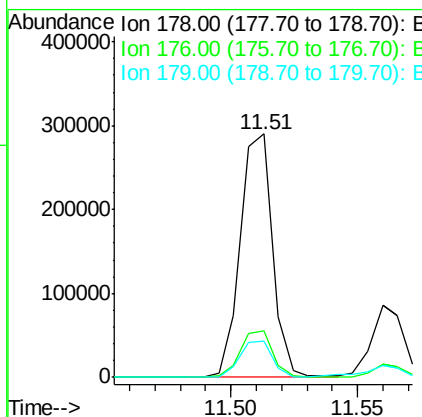
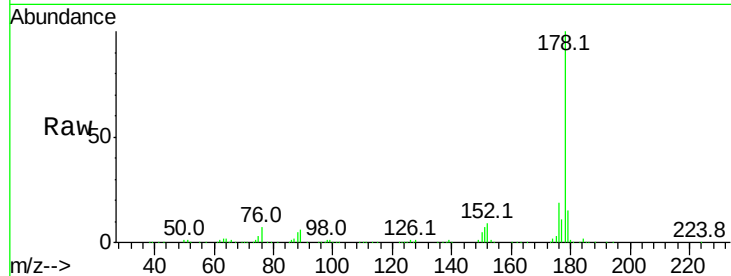
#70
Phenanthrene
Concen: 30.356 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.8	13.0	19.6

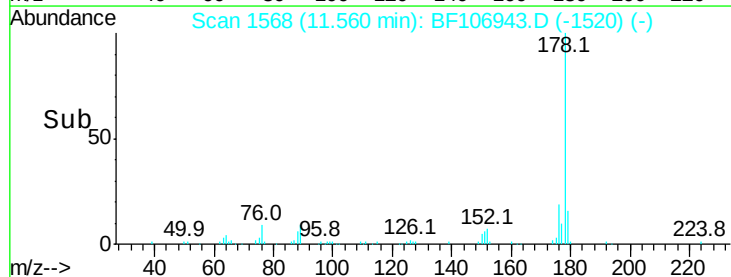
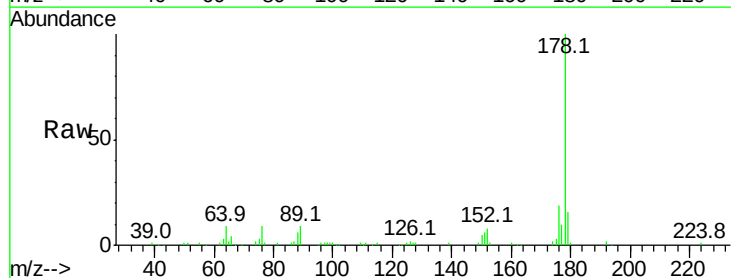
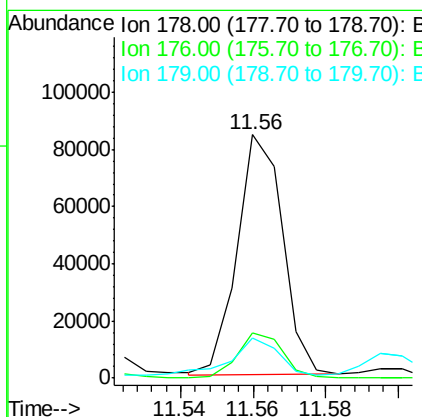
Manual Integrations
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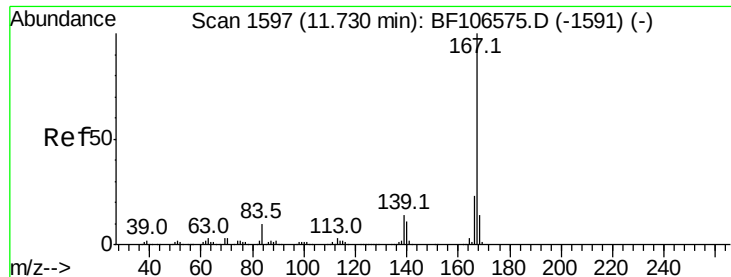
Sohil
6/29/2018 2:31:00 PM



#71
Anthracene
Concen: 8.415 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.2	12.6	19.0





#72

Carbazole

Concen: 2.197 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Instrument :

BNA_F

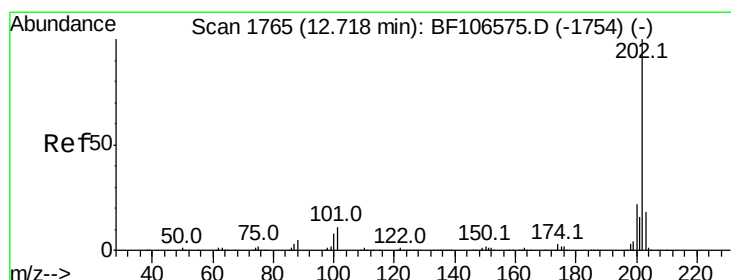
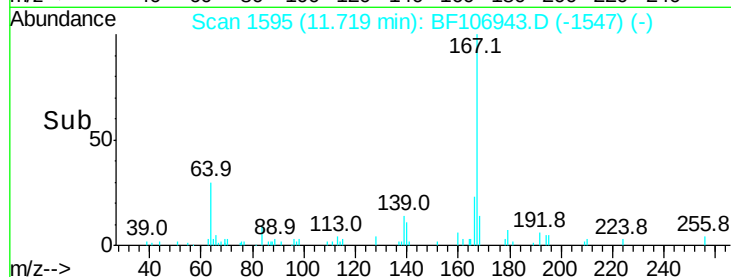
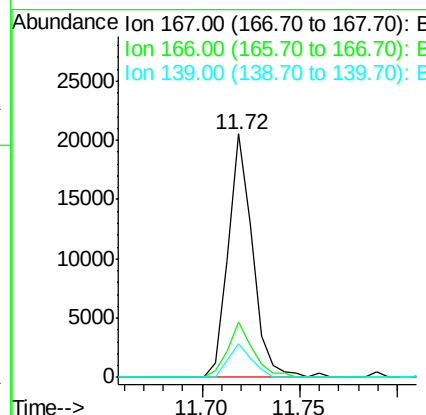
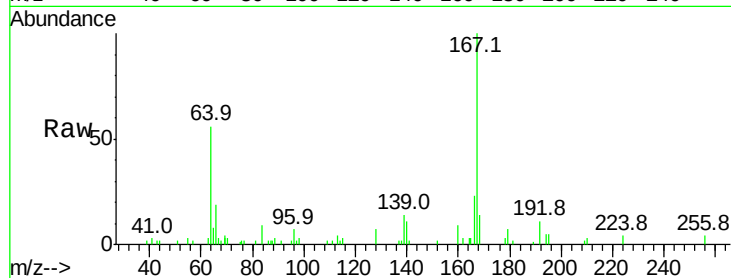
ClientSampleId :

TP-3-S

Tot Ion:	167	Resp:	17840
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	13.8	10.9	16.3

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#74

Fluoranthene

Concen: 47.208 ng

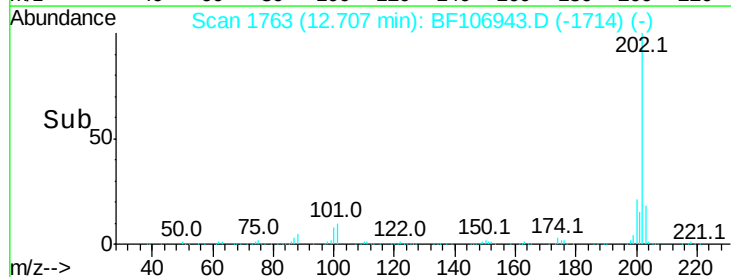
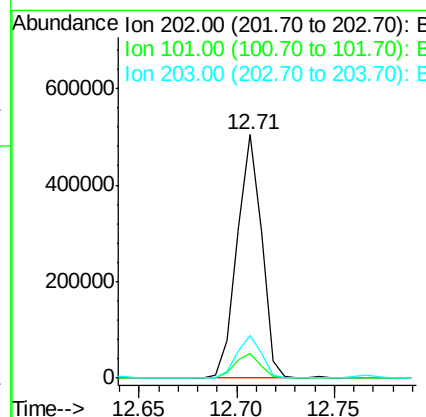
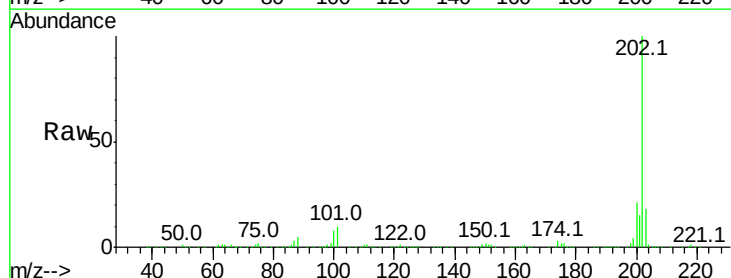
RT: 12.71 min Scan# 1763

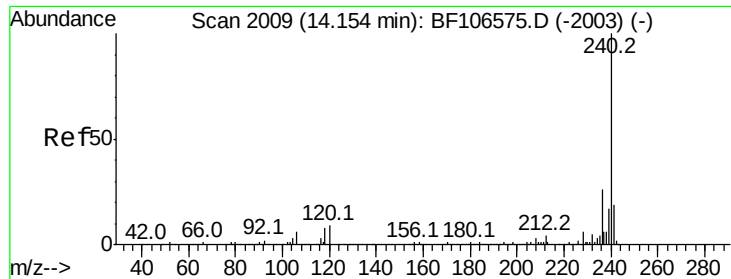
Delta R.T. -0.01 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Tgt Ion:	202	Resp:	442033
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Instrument :

BNA_F

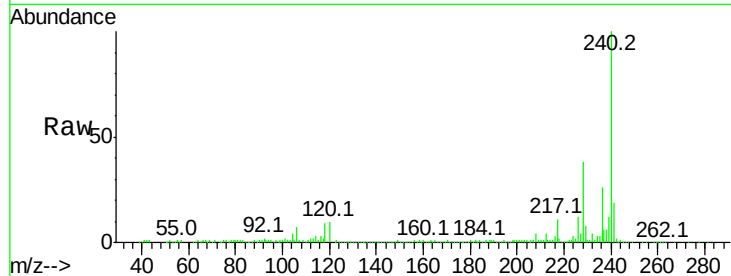
ClientSampleId :

TP-3-S

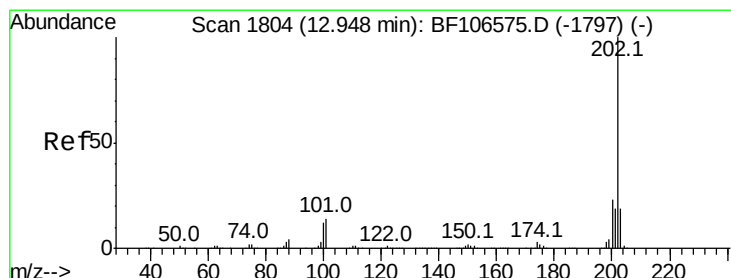
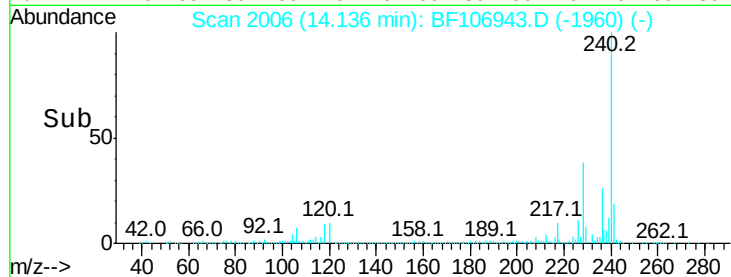
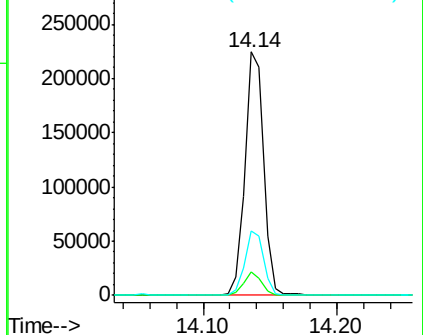
Tot Ion:	240	Resp:	216848
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	26.3	20.7	31.1

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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: 28.220 ng

RT: 12.94 min Scan# 1802

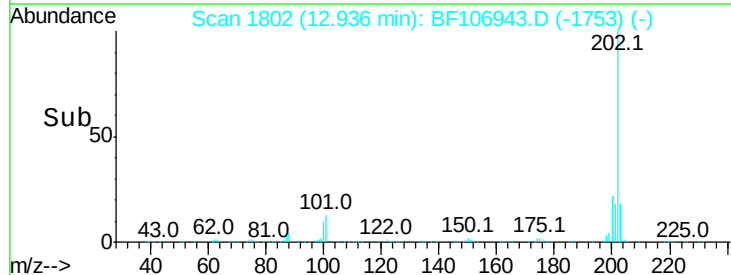
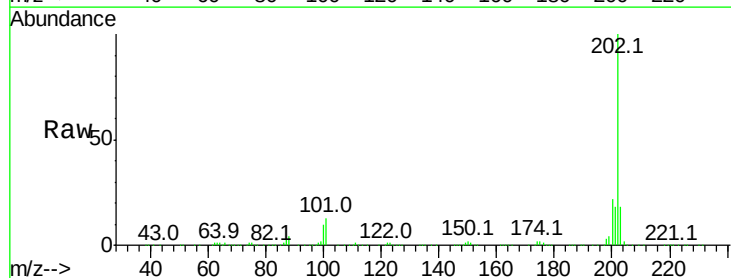
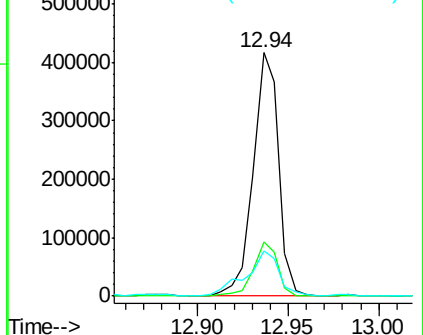
Delta R.T. -0.01 min

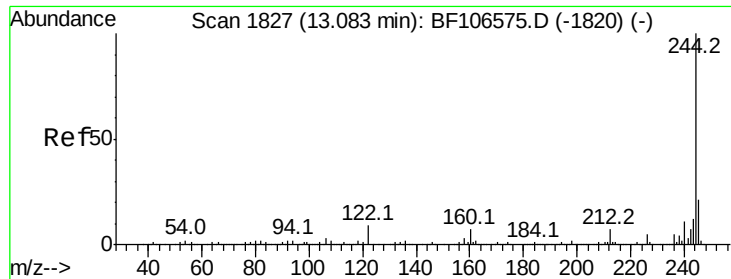
Lab File: BF106943.D

Acq: 29 Jun 2018 1:24

Tgt Ion:	202	Resp:	403533
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.3	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





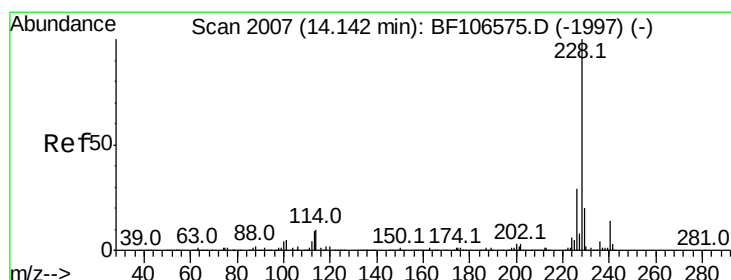
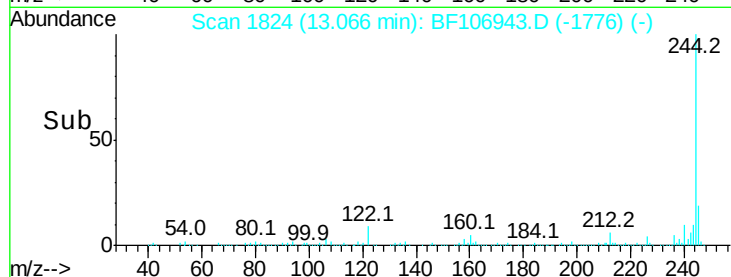
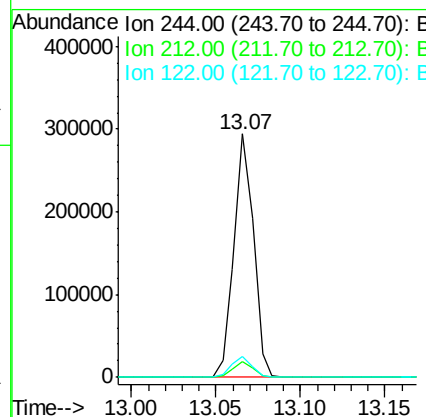
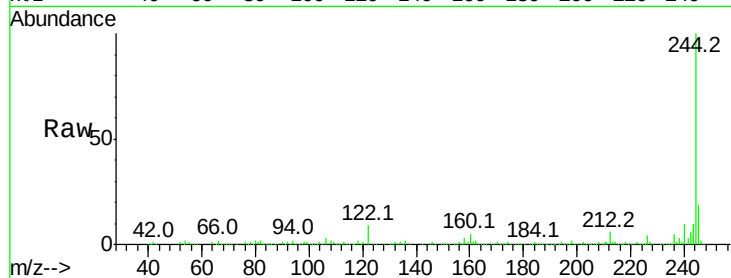
#78
 Terphenyl-d14
 Concen: 26.516 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF106943.D
 Acq: 29 Jun 2018 1:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.8	11.0	16.4

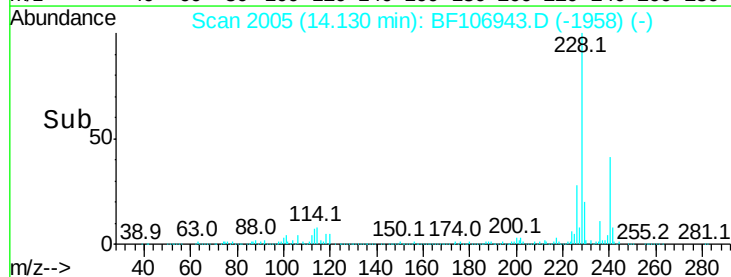
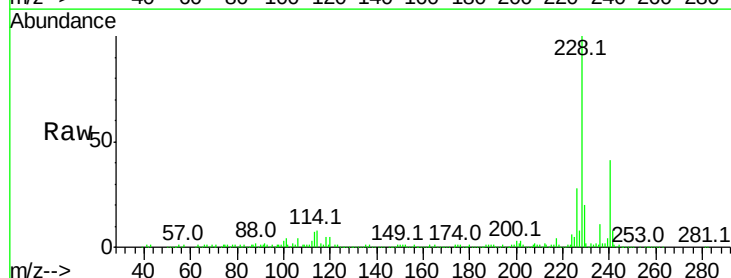
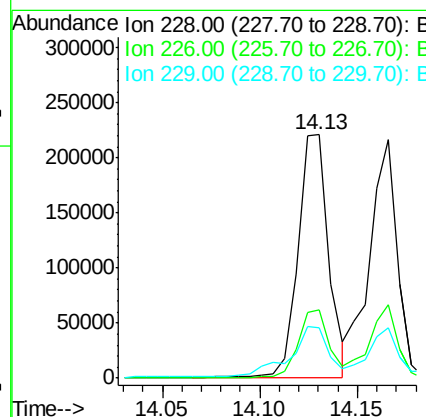
Manual Integrations
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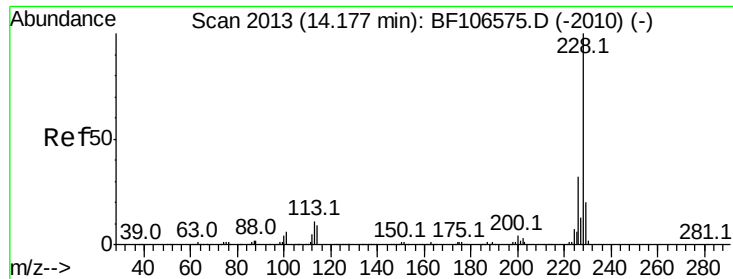
Sohil
 6/29/2018 2:31:00 PM



#80
 Benzo(a)anthracene
 Concen: 18.091 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF106943.D
 Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.4	15.8	23.6





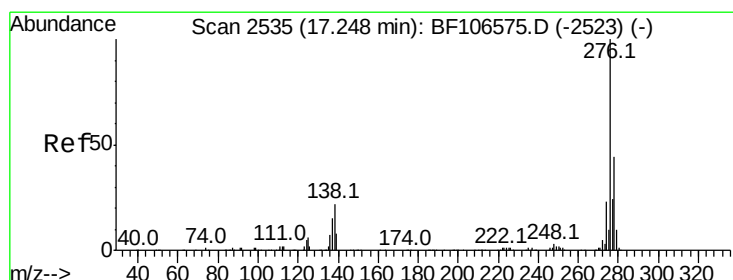
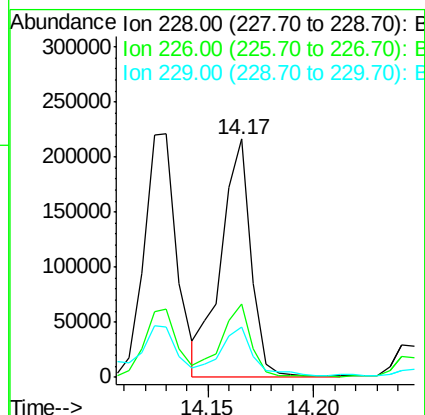
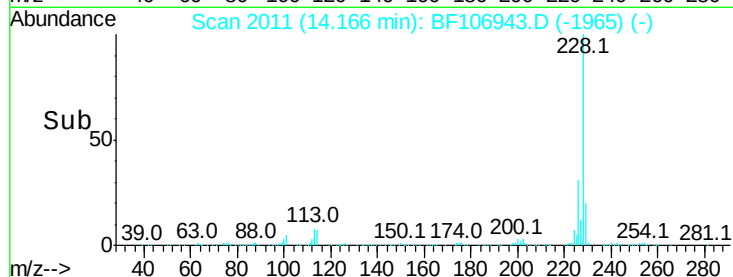
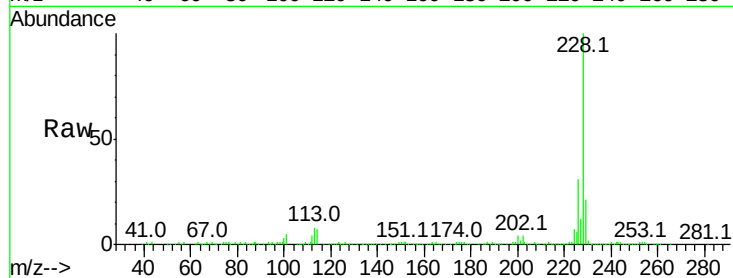
#82
Chrysene
Concen: 17.665 ng m
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tot Ion:	228	Resp:	214787
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.2	16.2	24.4

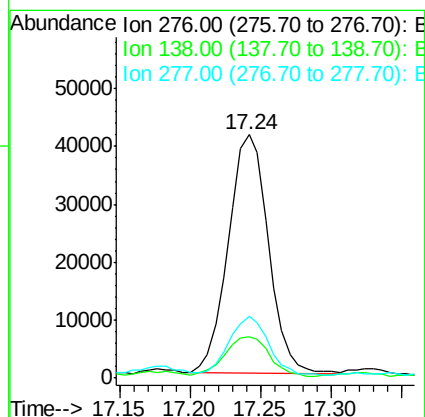
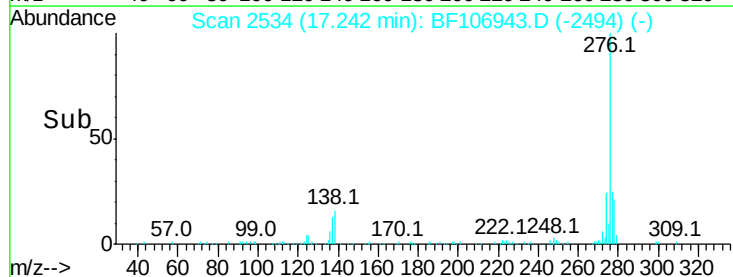
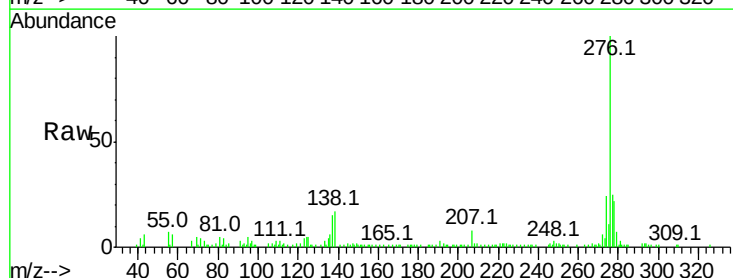
Manual Integrations
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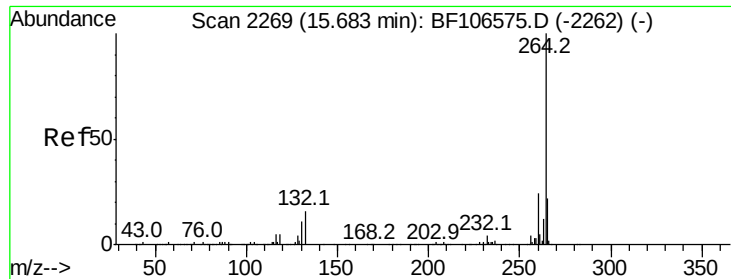
Sohil
6/29/2018 2:31:00 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.914 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.06 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion:	276	Resp:	81662
Ion Ratio	Lower	Upper	
276	100		
138	17.9	25.0	37.6#
277	24.4	20.1	30.1





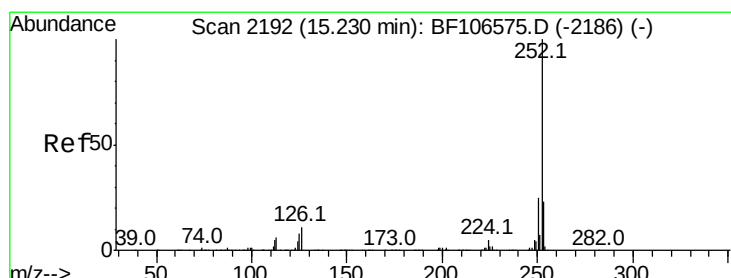
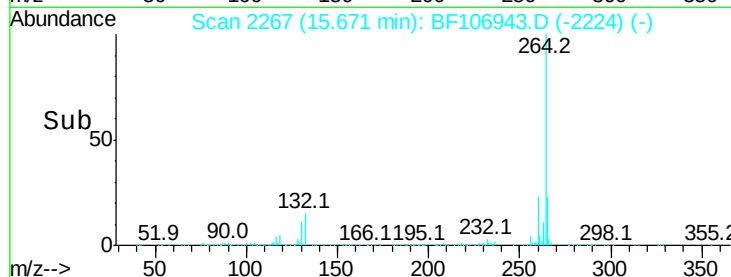
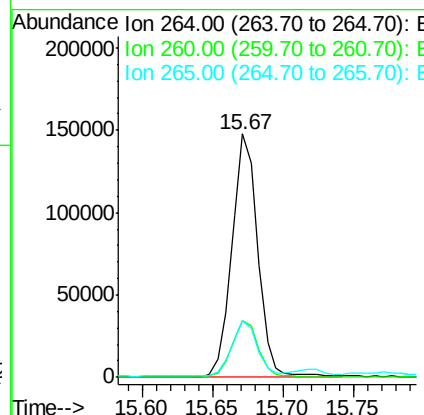
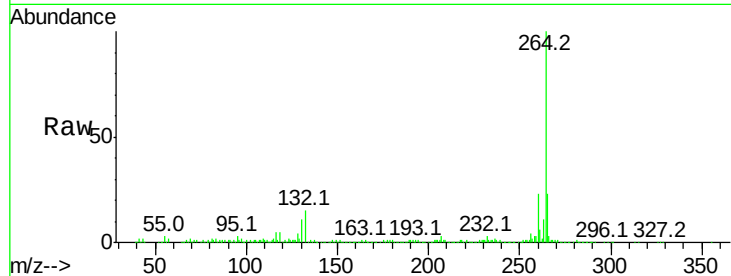
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	23.1	17.5	26.3

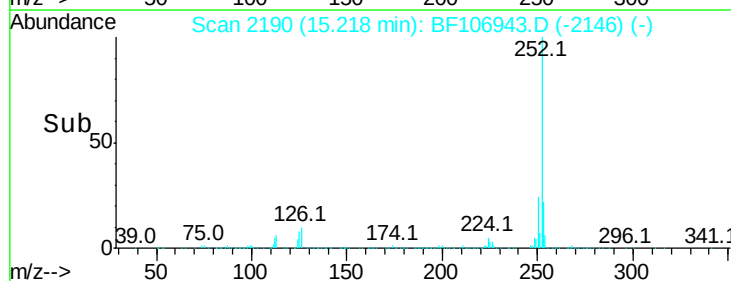
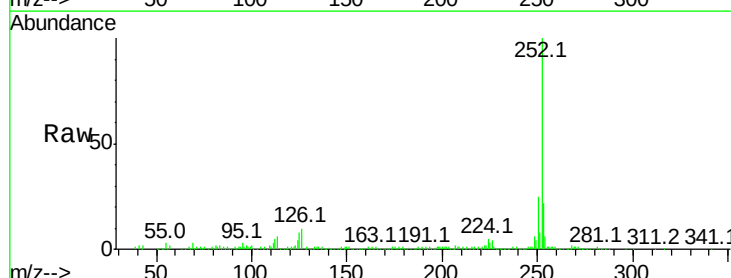
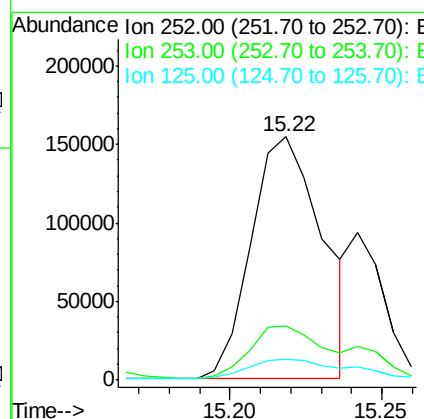
Manual Integrations
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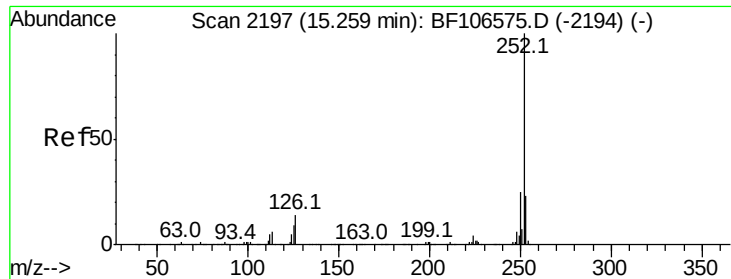
Sohil
6/29/2018 2:31:00 PM



#87
Benzo(b)fluoranthene
Concen: 21.474 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	8.4	9.0	13.6#





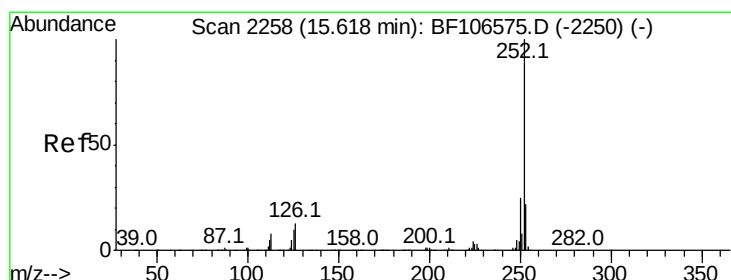
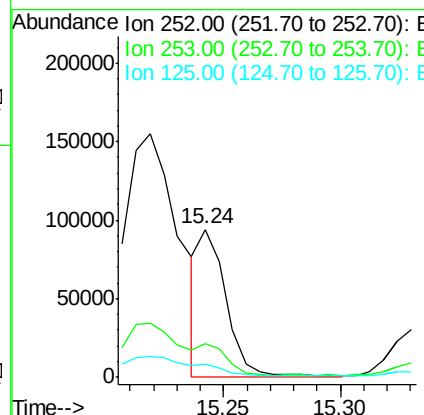
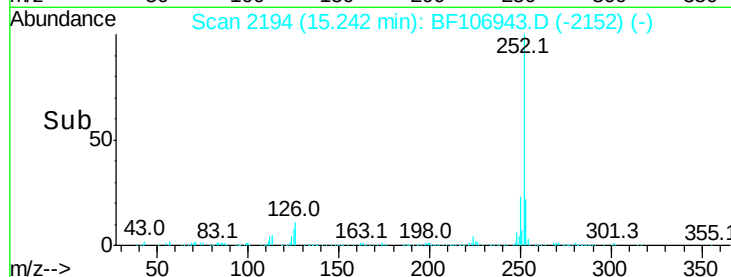
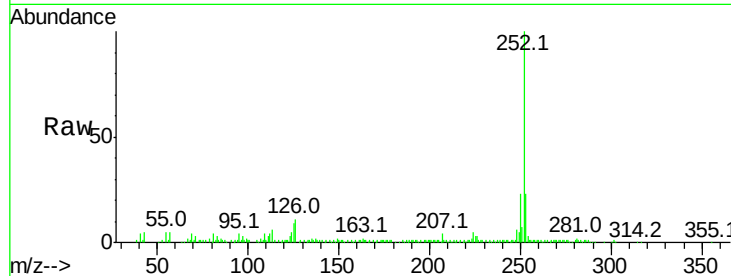
#88
Benzo(k)fluoranthene
Concen: 6.793 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.3	10.2	15.2#

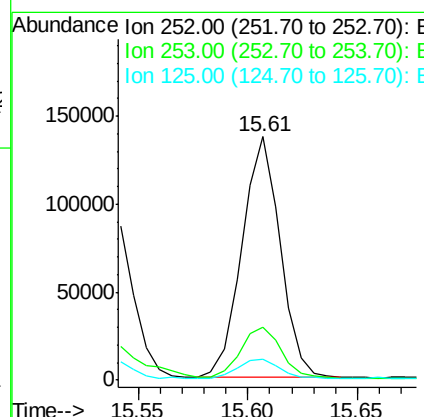
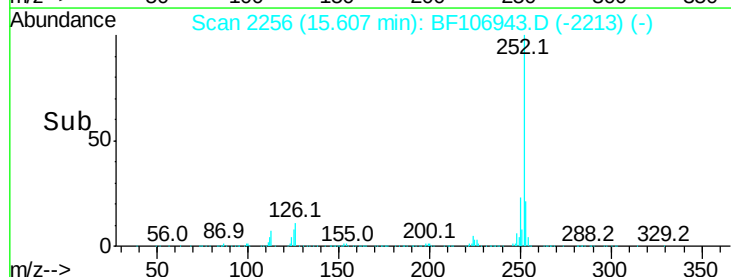
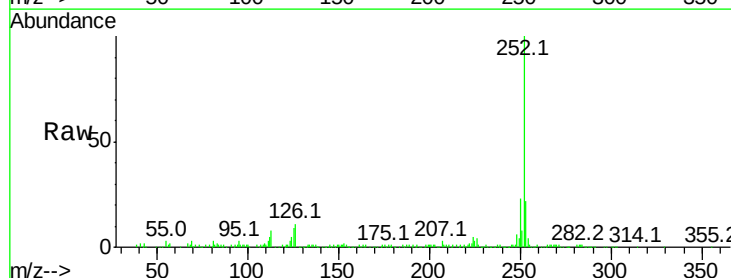
Manual Integrations
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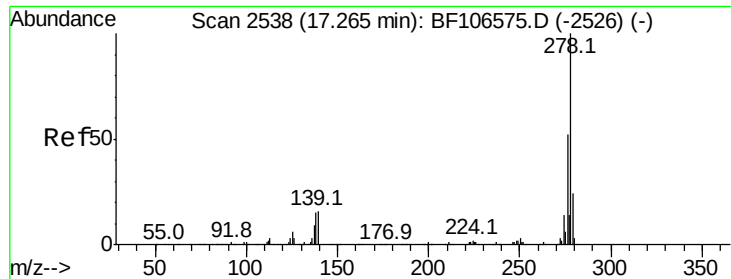
Sohil
6/29/2018 2:31:00 PM



#89
Benzo(a)pyrene
Concen: 16.132 ng m
RT: 15.61 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	8.6	9.8	14.6#





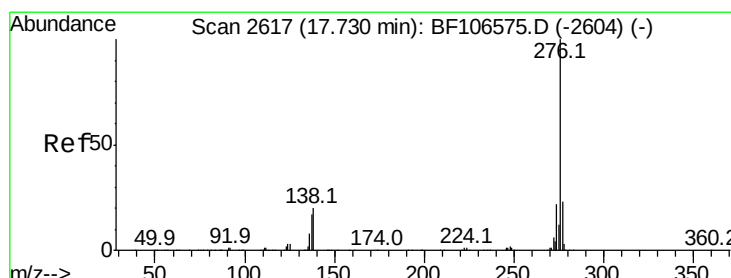
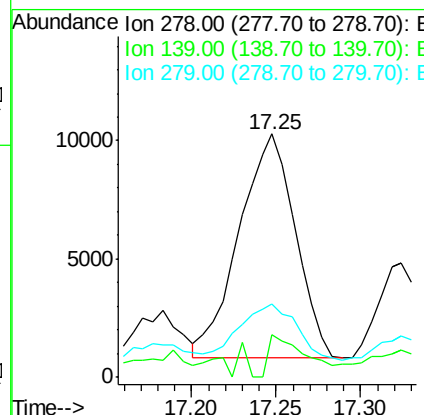
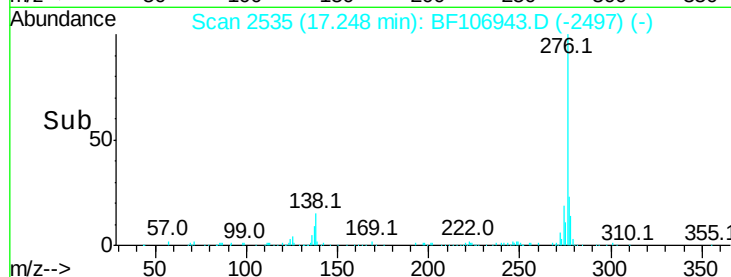
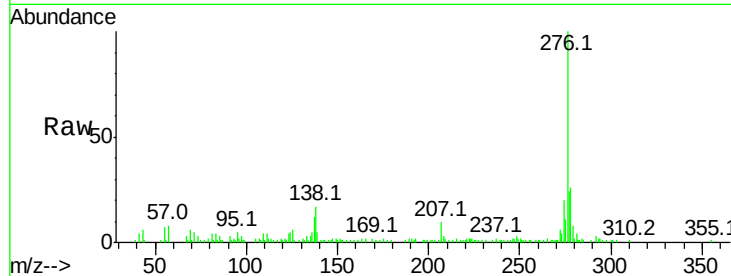
#90
Dibenzo(a,h)anthracene
Concen: 2.491 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.08 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.9	23.9
279	30.0	19.0	28.4

Manual Integrations
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Sohil
6/29/2018 2:31:00 PM



#91
Benzo(g,h,i)perylene
Concen: 9.912 ng
RT: 17.72 min Scan# 2616
Delta R.T. -0.06 min
Lab File: BF106943.D
Acq: 29 Jun 2018 1:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	18.4	21.8	32.8

