

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108925.D
 Acq On : 11 Sep 2018 8:21
 Operator : JU/SJ
 Sample : J4777-05DL 4X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-CDL

Manual Integrations
 APPROVED

Sohil
 9/11/2018 9:46:49 AM

Quant Time: Sep 11 08:51:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	184921	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	663791	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	275898	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	450888	20.00	ng	0.00
75) Chrysene-d12	13.88	240	454004	20.00	ng	0.01
86) Perylene-d12	15.29	264	389316	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	247856	22.20	ng	0.00
7) Phenol-d6	6.36	99	316910	22.07	ng	0.00
23) Nitrobenzene-d5	7.29	82	179208	16.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	50623	19.22	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	343769	21.26	ng	0.00
78) Terphenyl-d14	12.82	244	282362	14.50	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.04	128	68659	2.299	ng	99
49) Dimethylphthalate	9.48	163	74927	3.883	ng	99
51) Acenaphthene	9.80	154	54934	3.467	ng	99
54) Dibenzofuran	9.97	168	68428	2.963	ng	97
57) Fluorene	10.31	166	104143	7.026	ng	95
70) Phenanthrene	11.27	178	660022	30.653	ng	99
71) Anthracene	11.32	178	234982	11.398	ng	98
74) Fluoranthene	12.46	202	1027963	48.219	ng	97
77) Pyrene	12.68	202	884886	25.330	ng	100
80) Benzo(a)anthracene	13.87	228	596734	20.506	ng	98
82) Chrysene	13.90	228	471181	16.726	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	199699m	8.010	ng	
87) Benzo(b)fluoranthene	14.89	252	614376m	29.022	ng	
88) Benzo(k)fluoranthene	14.91	252	157086m	8.058	ng	
89) Benzo(a)pyrene	15.23	252	385495	20.182	ng	98
90) Dibenzo(a,h)anthracene	16.66	278	51404	3.054	ng	# 91
91) Benzo(a,h,i)perylene	17.06	276	174155	10.334	ng	94

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

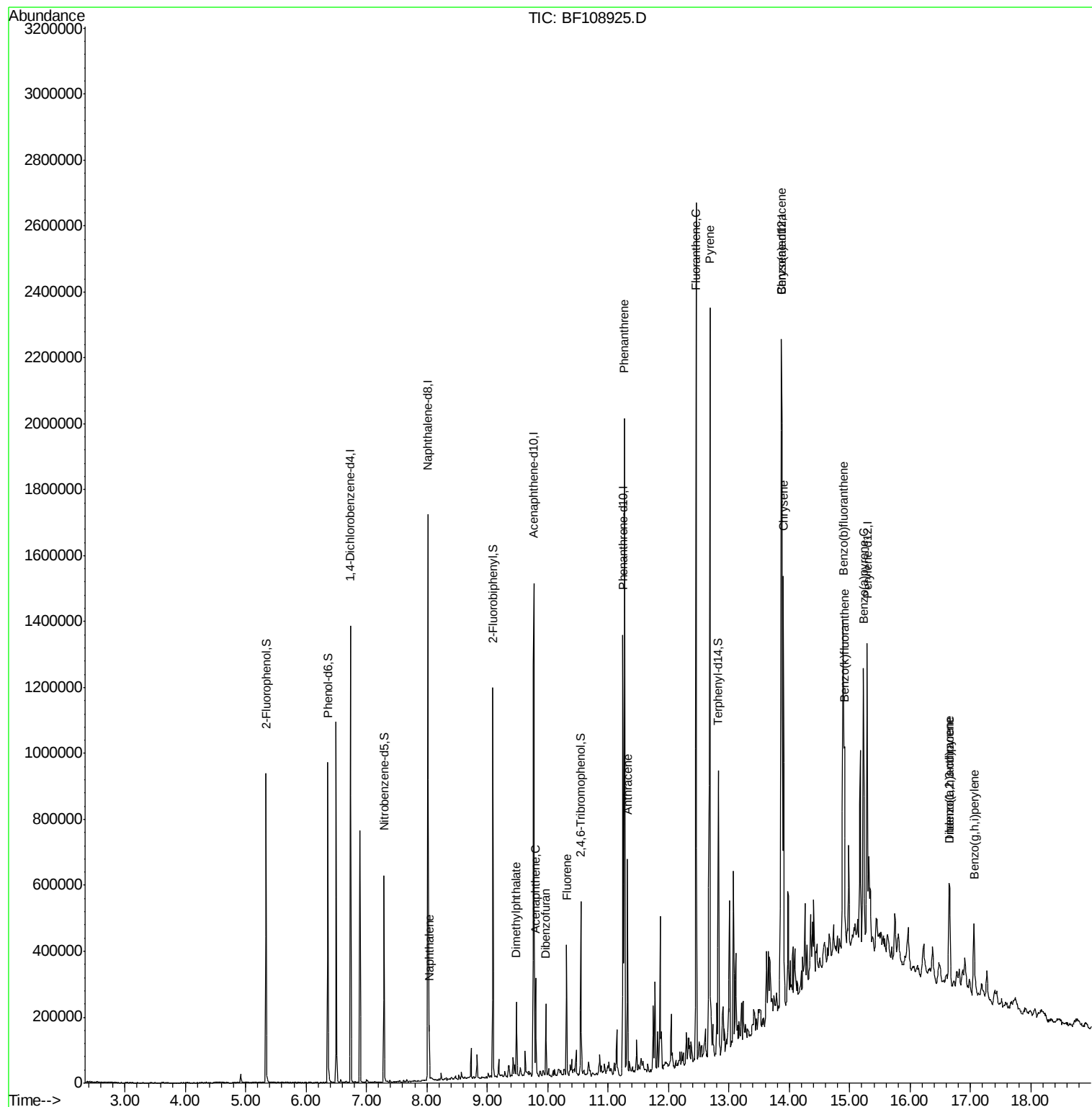
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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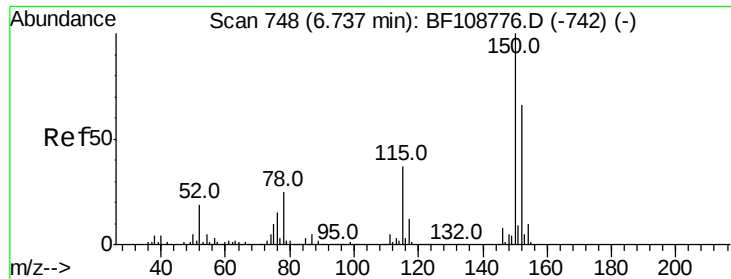
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

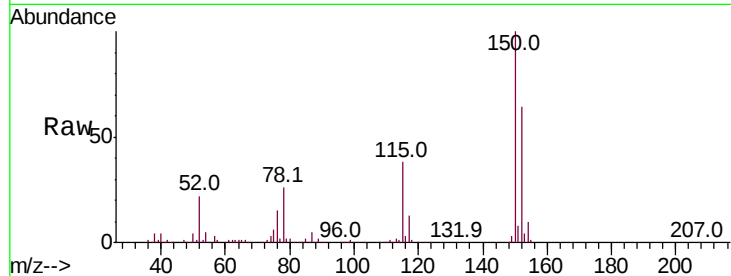
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	60.0	50.1	75.1

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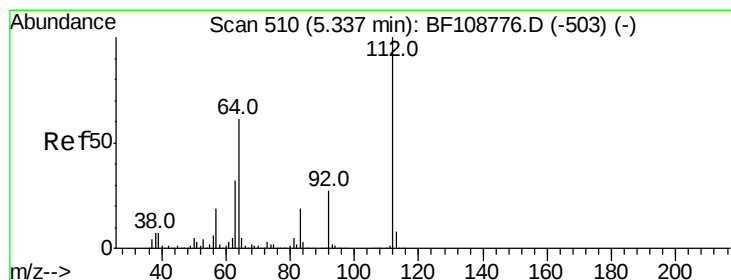
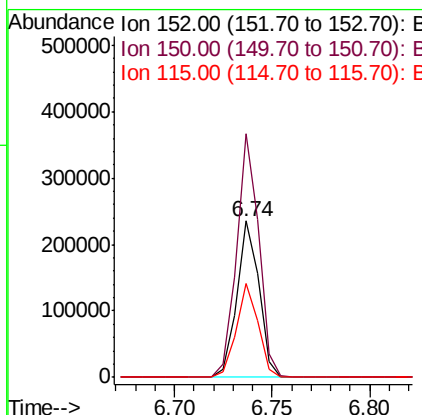
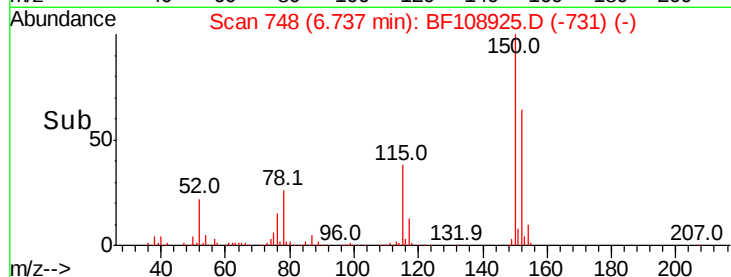


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

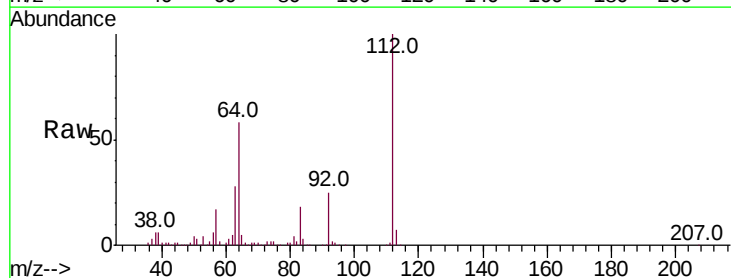
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.205 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	28.3	23.7	35.5

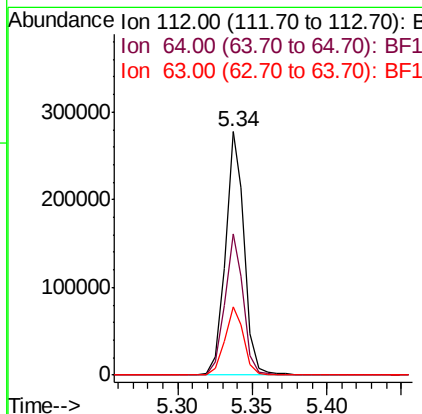
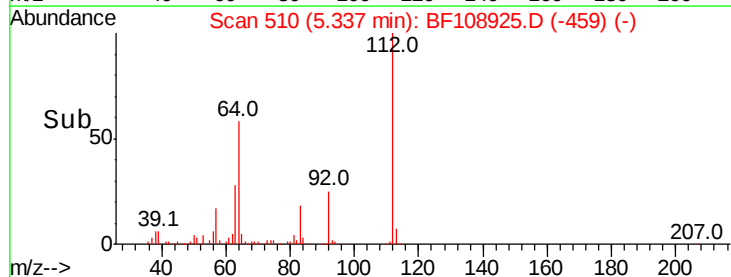


Abundance

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: 22.066 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108925.D

Acq: 11 Sep 2018 8:21

Instrument :

BNA_F

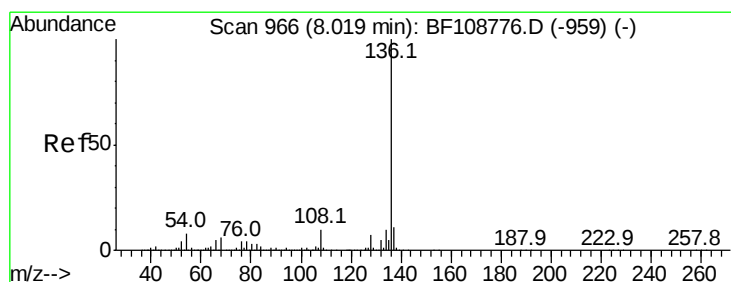
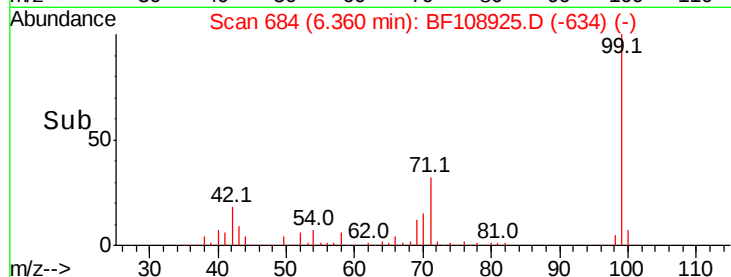
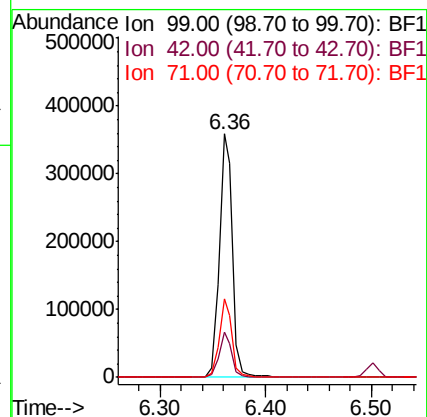
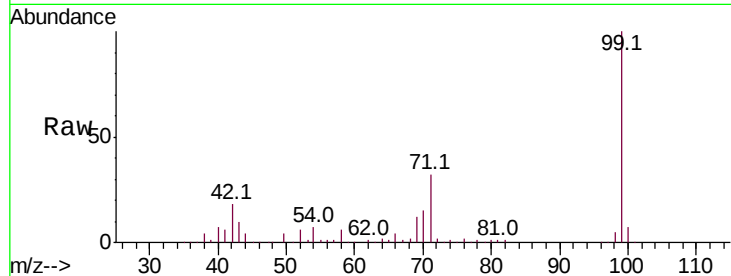
ClientSampleId :

PL-05-090718-CDL

Tot Ion:	99	Resp:	316910
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	32.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

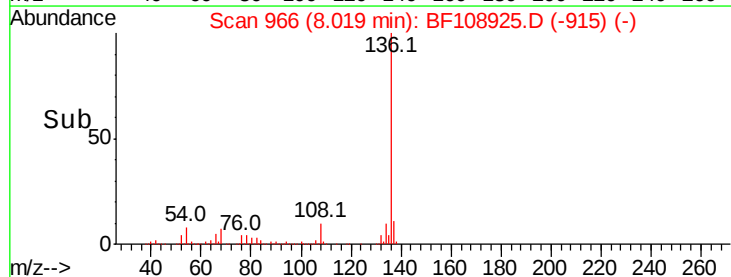
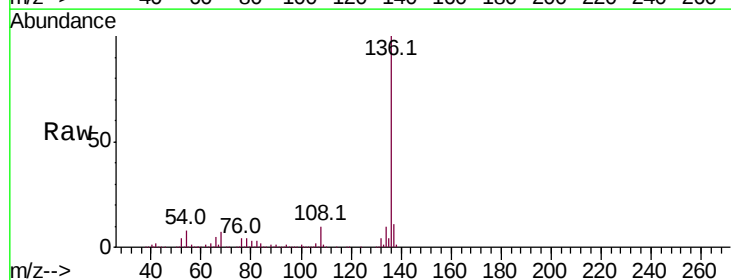
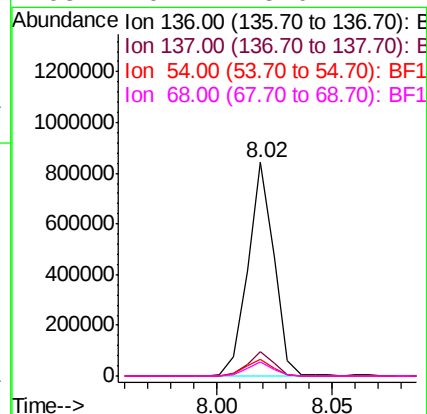
RT: 8.02 min Scan# 966

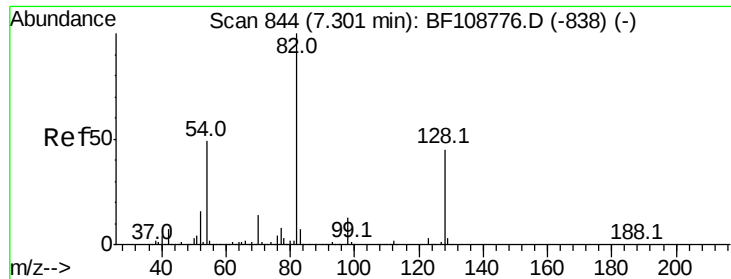
Delta R.T. 0.00 min

Lab File: BF108925.D

Acq: 11 Sep 2018 8:21

Tgt Ion:	136	Resp:	663791
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.7	6.6	9.8
68	6.7	5.0	7.4





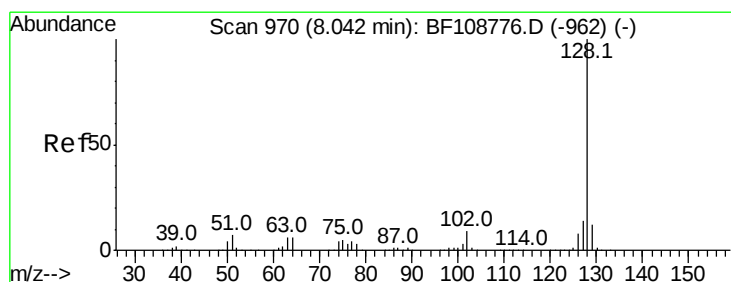
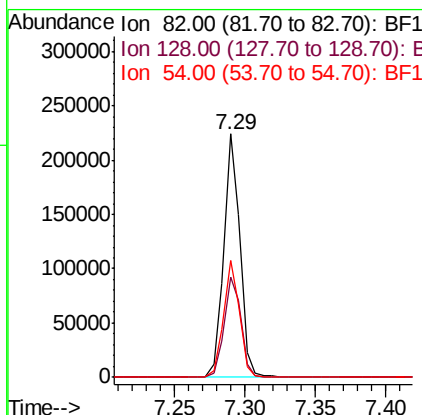
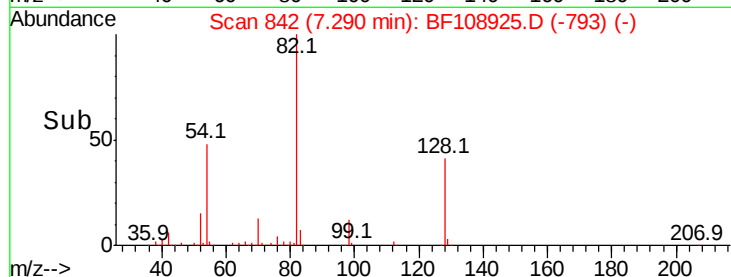
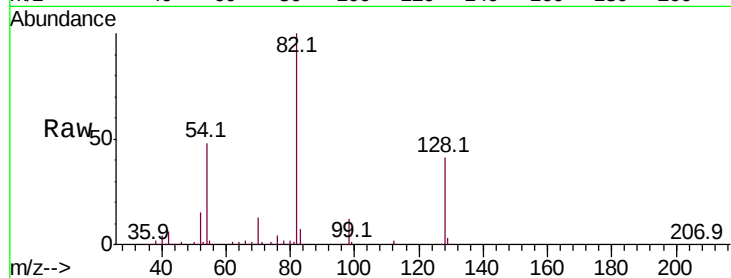
#23
 Nitrobenzene-d5
 Concen: 16.895 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108925.D
 Acq: 11 Sep 2018 8:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-CDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	47.8	41.4	62.2

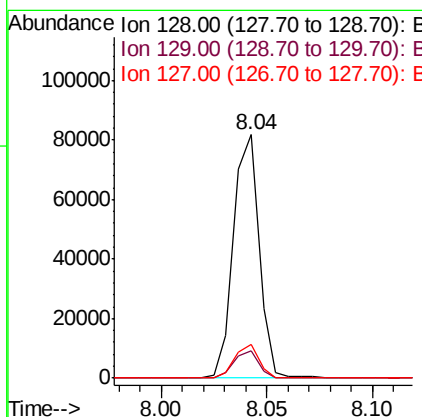
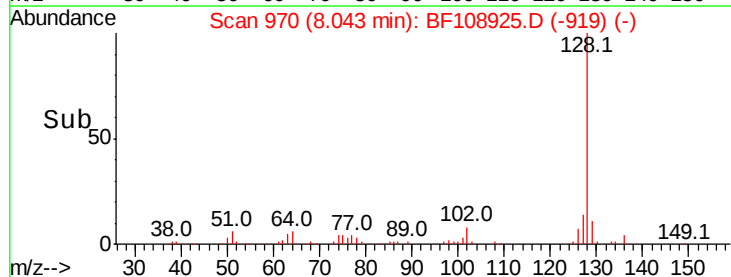
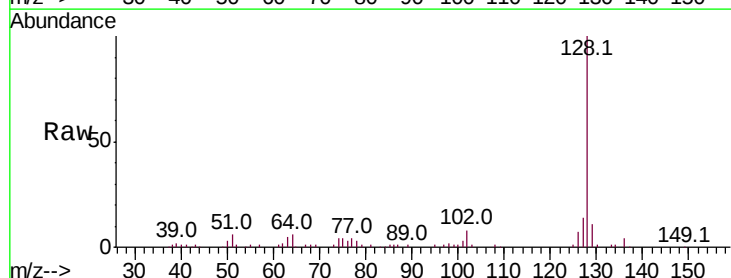
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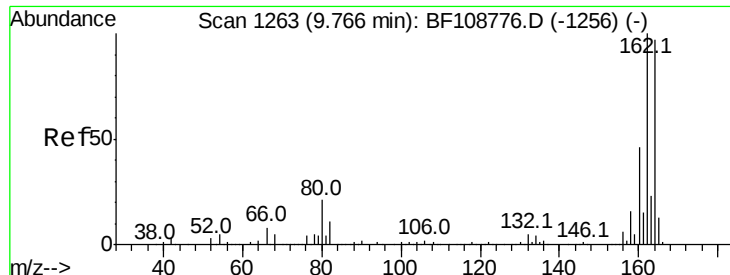
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#31
 Naphthalene
 Concen: 2.299 ng
 RT: 8.04 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF108925.D
 Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.8	10.9	16.3





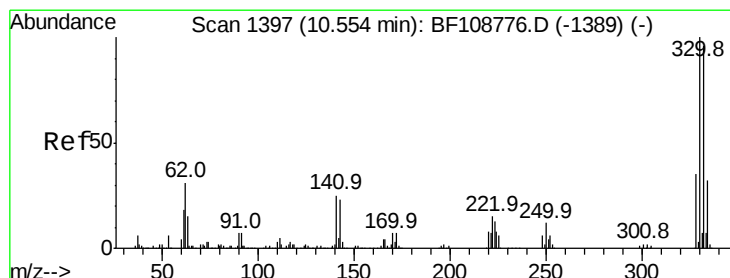
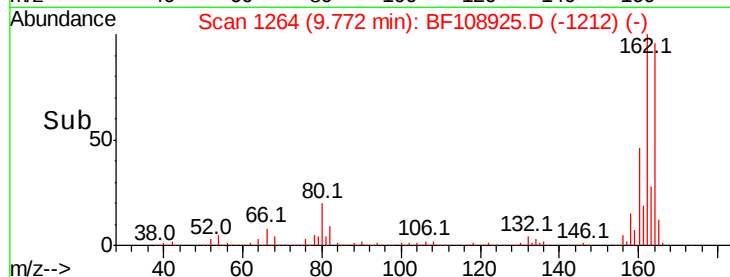
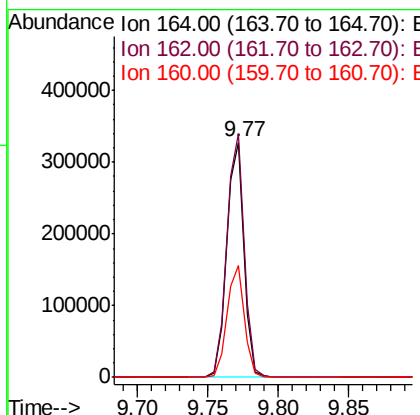
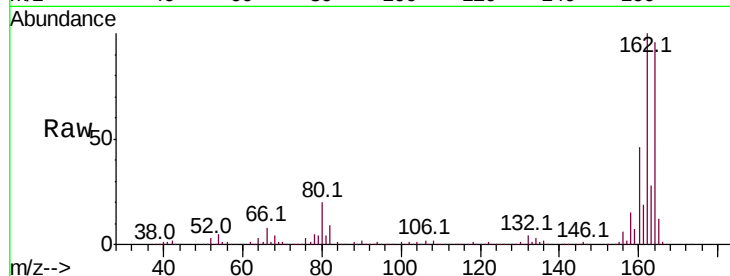
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF108925.D
 Acq: 11 Sep 2018 8:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-CDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	86.1	129.1	
160	47.4	38.3	57.5	

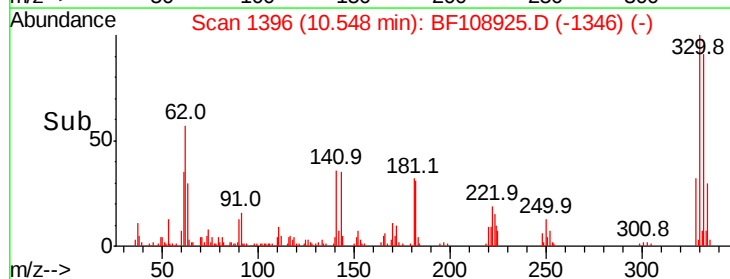
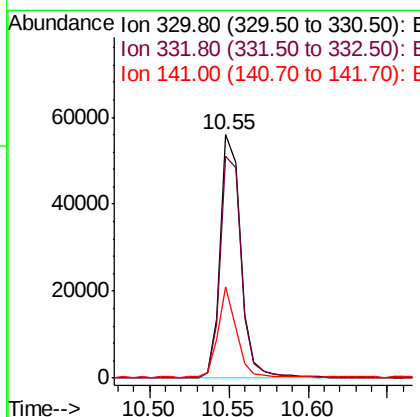
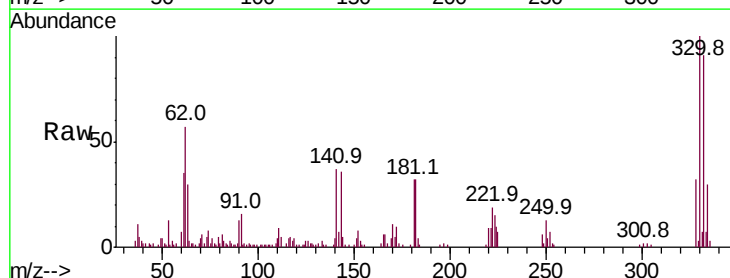
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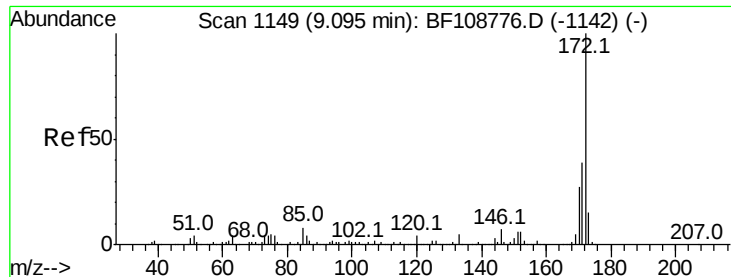
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#41
 2,4,6-Tribromophenol
 Concen: 19.220 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108925.D
 Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.2	77.0	115.6	
141	35.3	29.9	44.9	





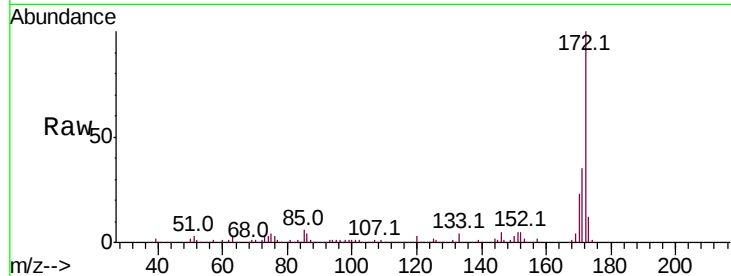
#44
2-Fluorobiphenyl
Concen: 21.257 ng
RT: 9.10 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

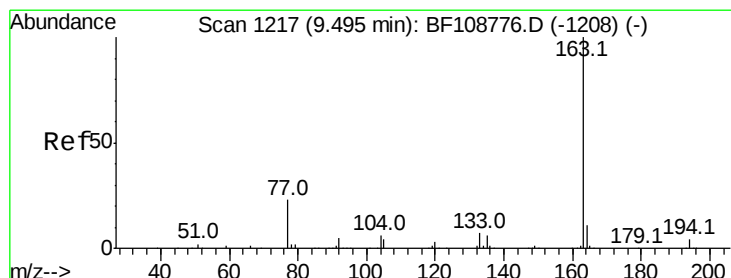
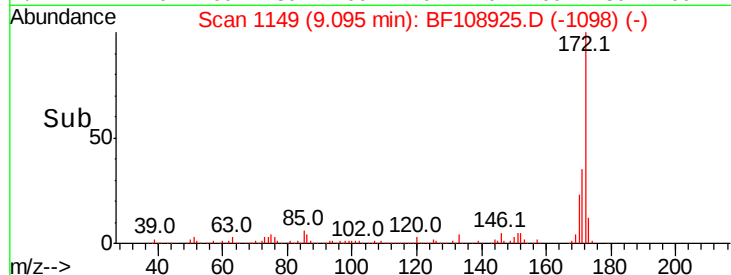
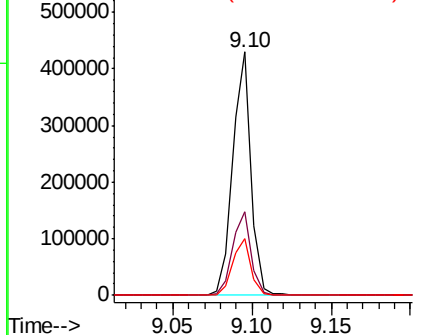
Tot Ion:	172	Resp:	343769
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	23.3	19.6	29.4

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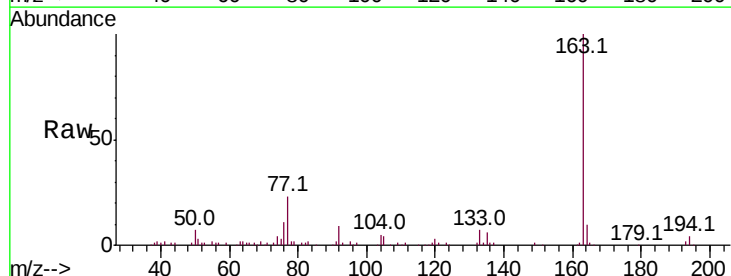


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

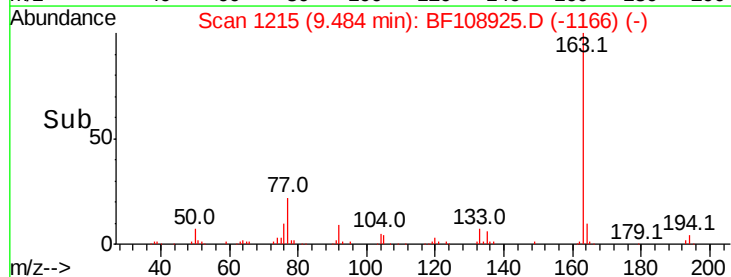
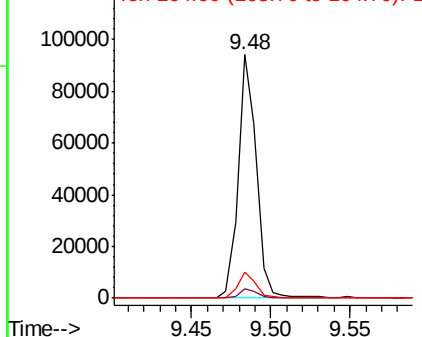


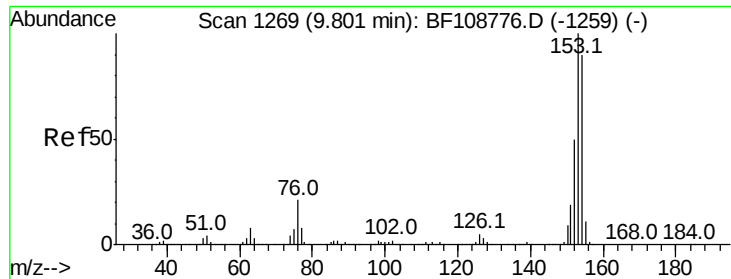
#49
Dimethylphthalate
Concen: 3.883 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion:	163	Resp:	74927
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.5	8.2	12.2



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: 3.467 ng

RT: 9.80 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BF108925.D

Acq: 11 Sep 2018 8:21

Instrument :

BNA_F

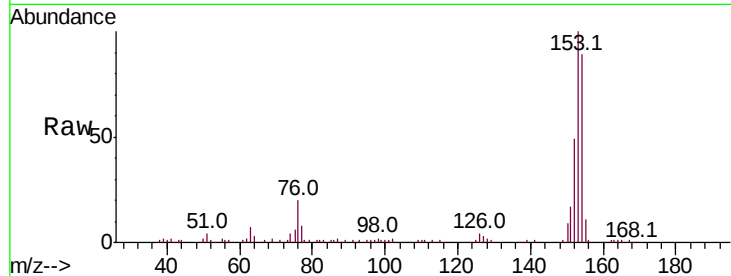
ClientSampleId :

PL-05-090718-CDL

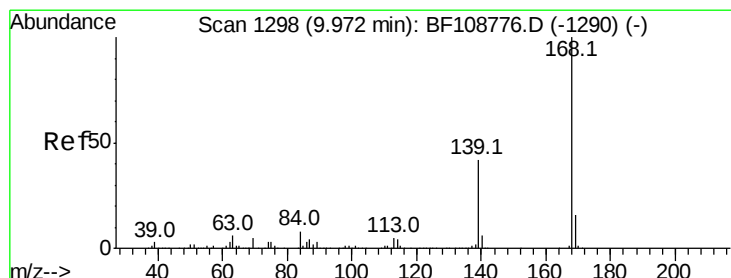
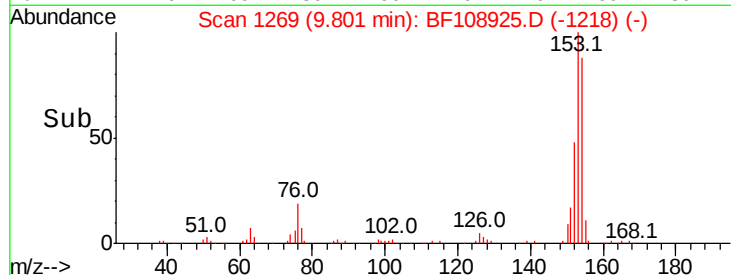
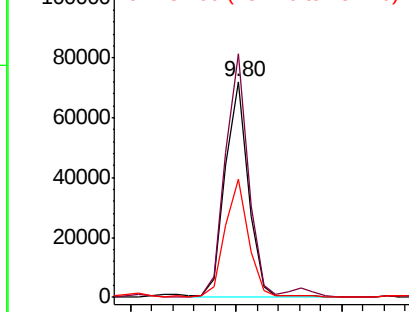
Tot Ion:	154	Resp:	54934
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.2	136.8
152	54.7	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.963 ng

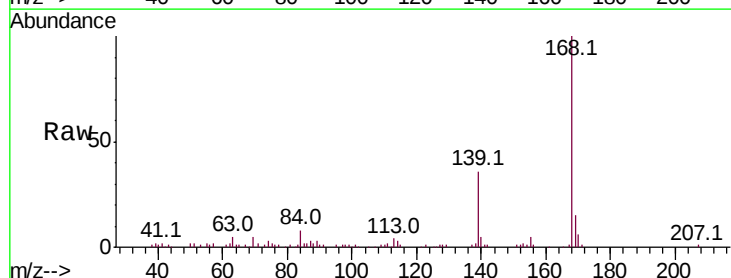
RT: 9.97 min Scan# 1298

Delta R.T. 0.00 min

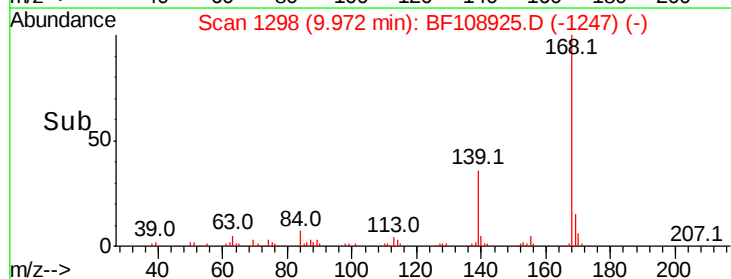
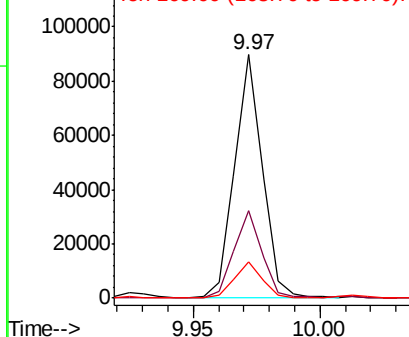
Lab File: BF108925.D

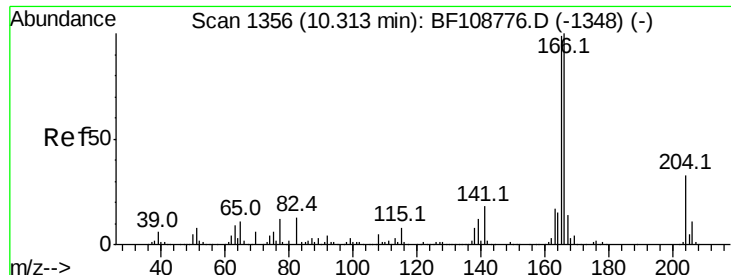
Acq: 11 Sep 2018 8:21

Tgt Ion:	168	Resp:	68428
Ion Ratio	Lower	Upper	
168	100		
139	35.8	30.1	45.1
169	15.0	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





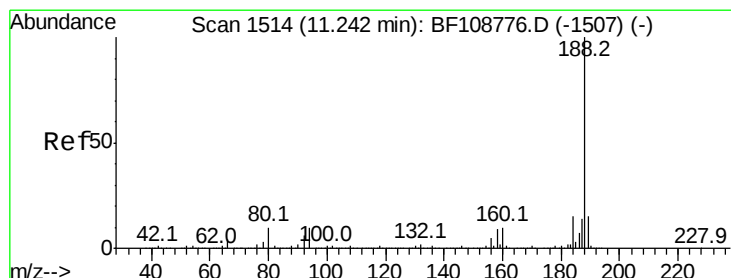
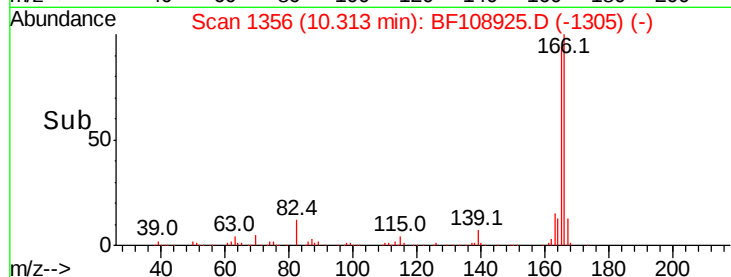
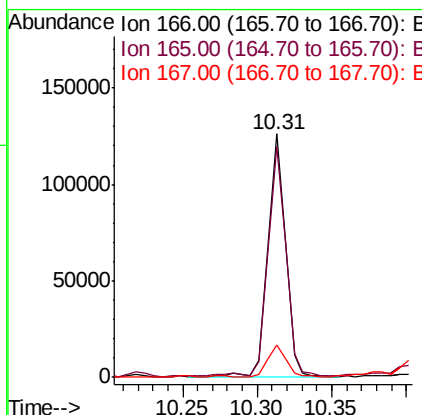
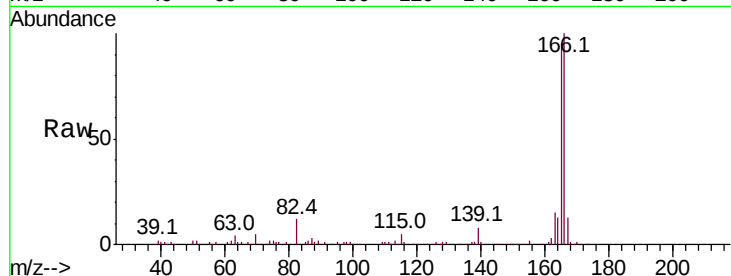
#57
Fluorene
 Concen: 7.026 ng
 RT: 10.31 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: BF108925.D
 Acq: 11 Sep 2018 8:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-CDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	94.6	79.8	119.8	
167	13.1	10.6	16.0	

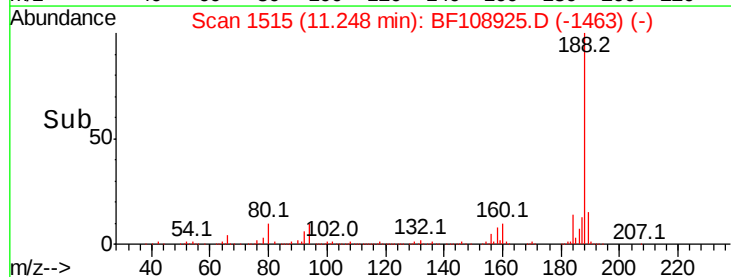
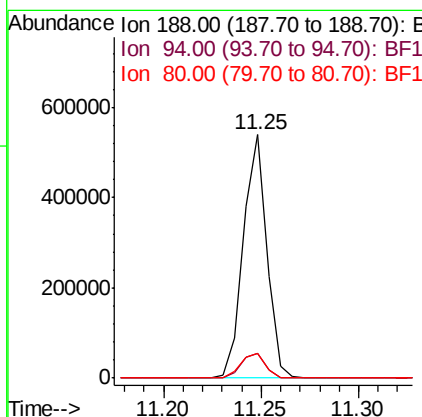
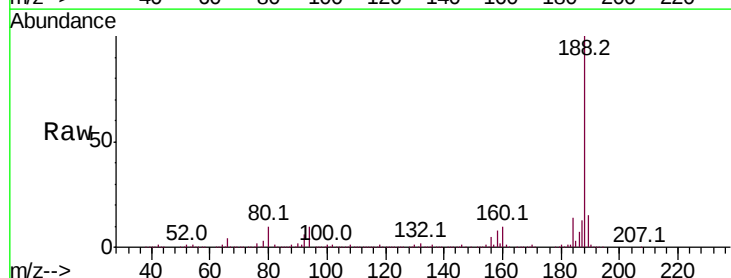
Manual Integrations
 APPROVED

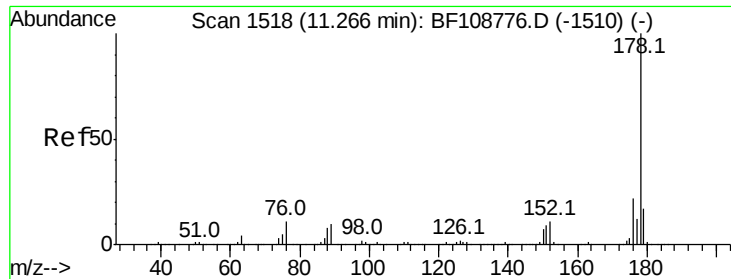
Sohil
 9/11/2018 9:46:49 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: BF108925.D
 Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.2	8.5	12.7	
80	10.2	9.2	13.8	





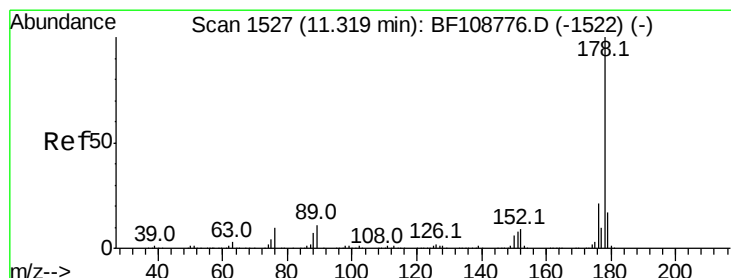
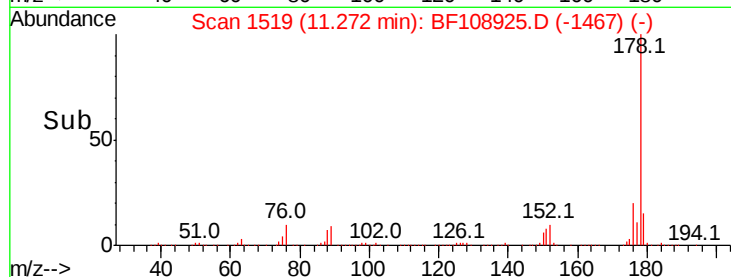
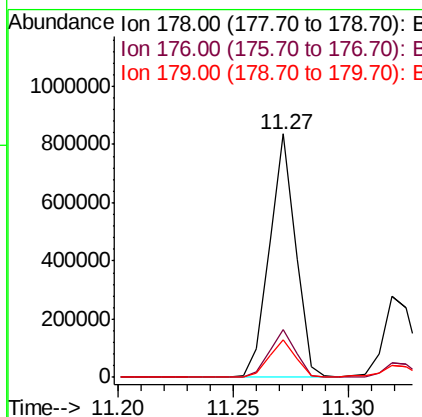
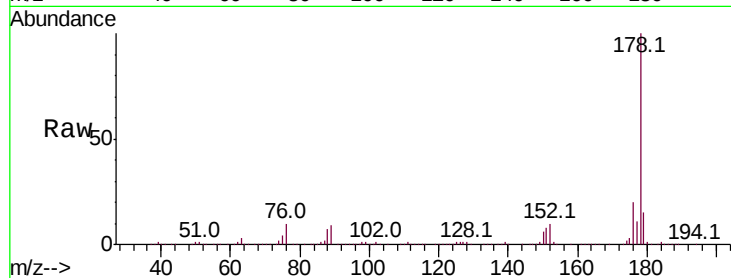
#70
Phenanthrene
Concen: 30.653 ng
RT: 11.27 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	13.0	19.6

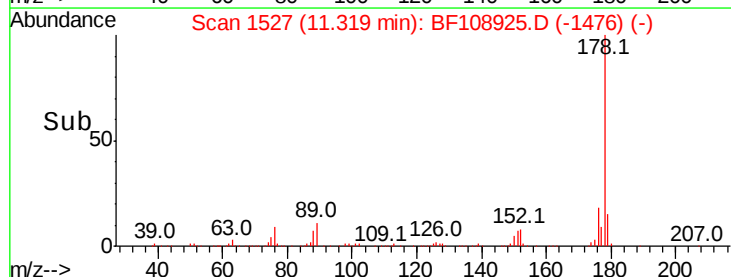
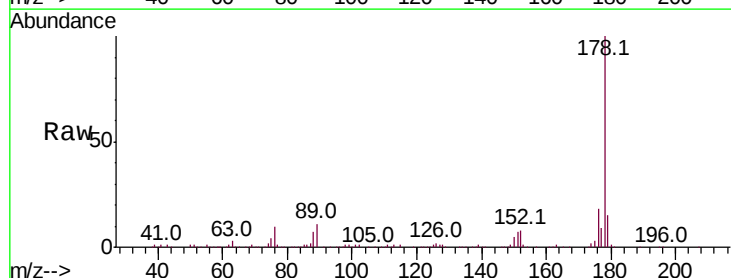
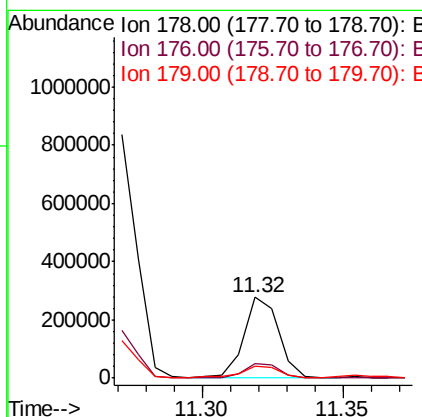
Manual Integrations
APPROVED

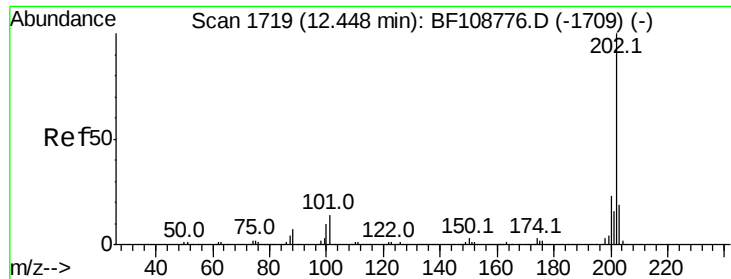
Sohil
9/11/2018 9:46:49 AM



#71
Anthracene
Concen: 11.398 ng
RT: 11.32 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.3	12.6	19.0





#74

Fluoranthene

Concen: 48.219 ng

RT: 12.46 min Scan# 1721

Delta R.T. 0.01 min

Lab File: BF108925.D

Acq: 11 Sep 2018 8:21

Instrument :

BNA_F

ClientSampleId :

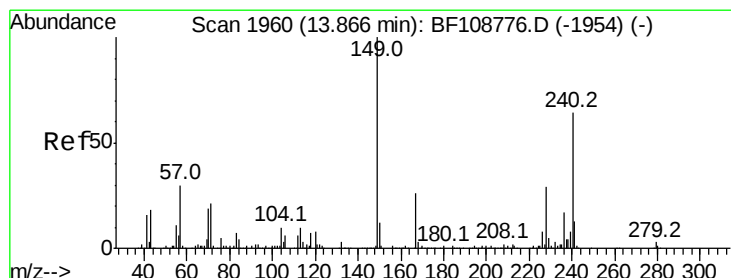
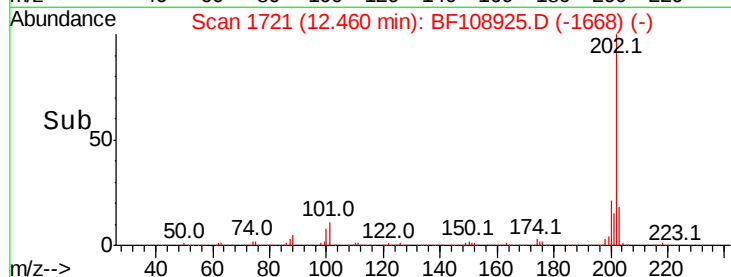
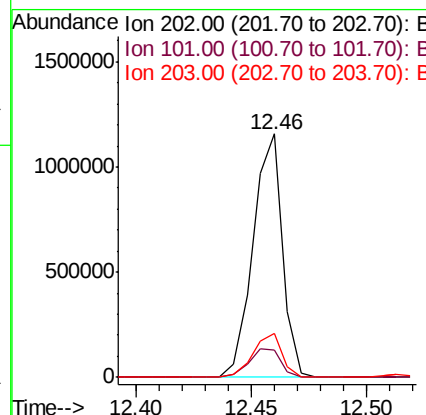
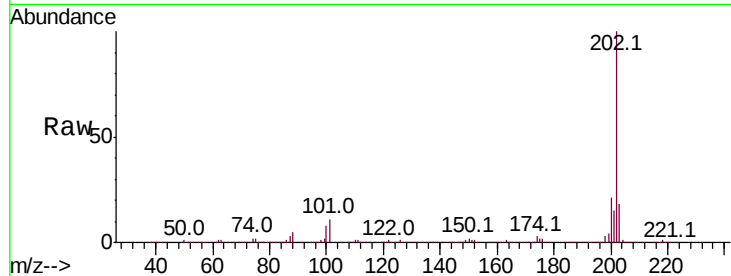
PL-05-090718-CDL

Tot Ion:	202	Resp:	1027963
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

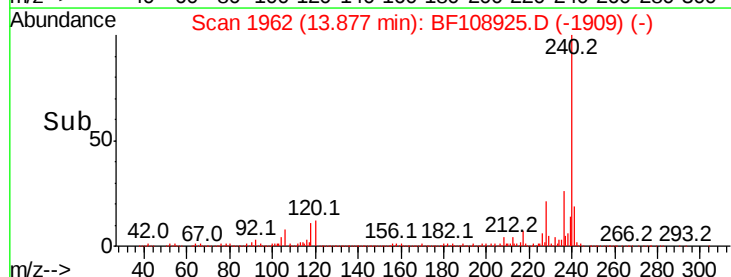
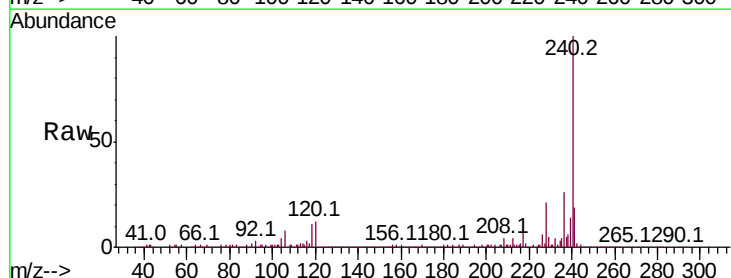
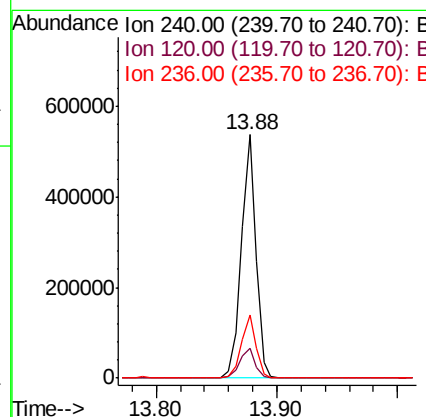
RT: 13.88 min Scan# 1962

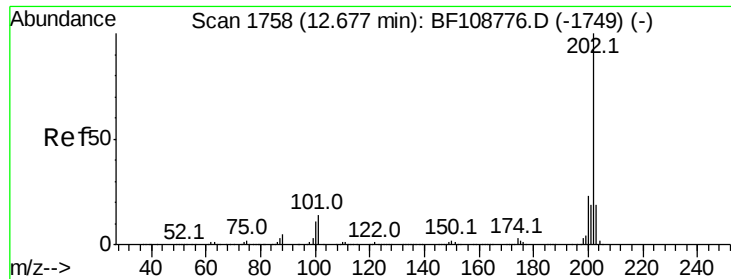
Delta R.T. 0.01 min

Lab File: BF108925.D

Acq: 11 Sep 2018 8:21

Tgt Ion:	240	Resp:	454004
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	25.8	20.7	31.1





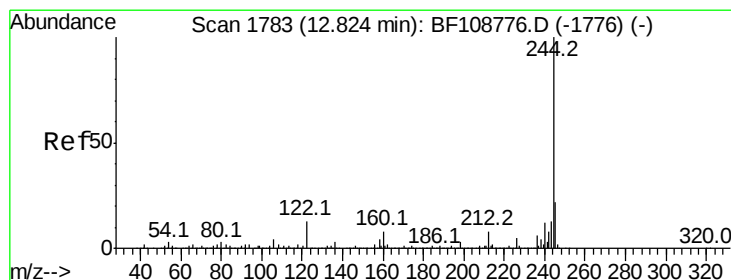
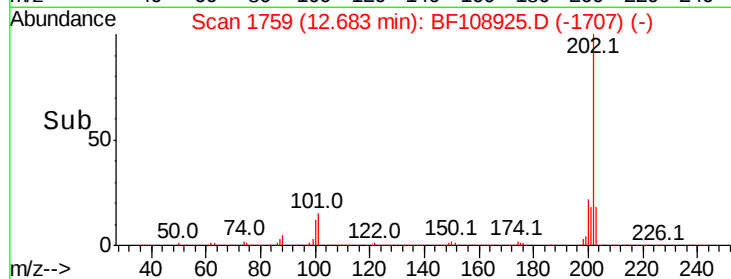
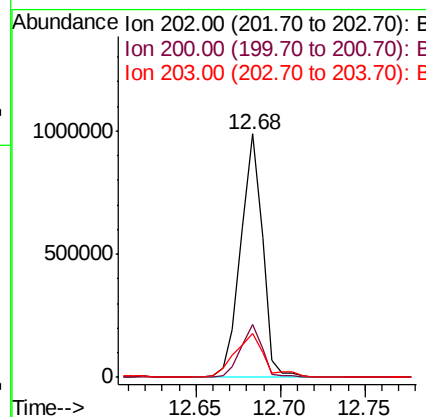
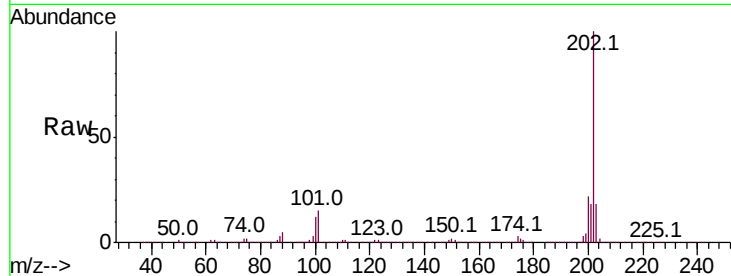
#77
Pvrene
Concen: 25.330 ng
RT: 12.68 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.1	14.3	21.5

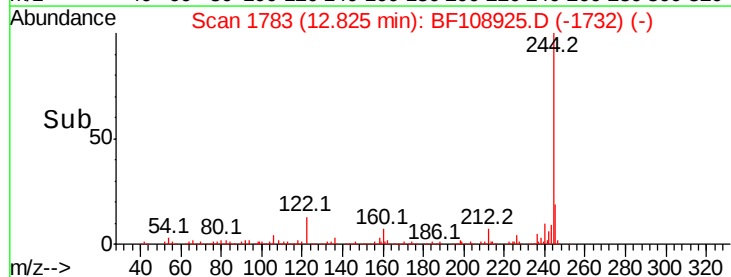
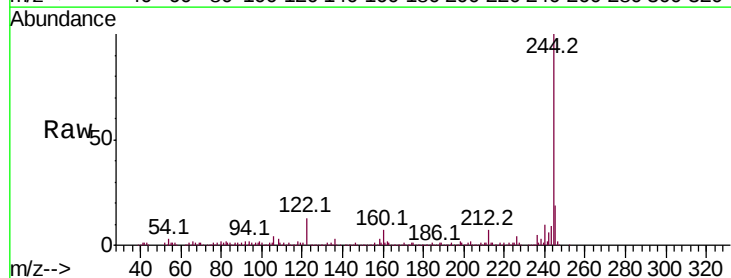
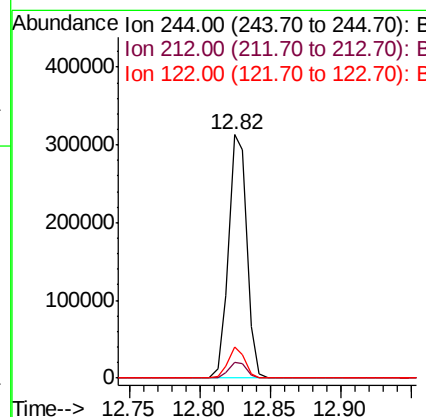
Manual Integrations
APPROVED

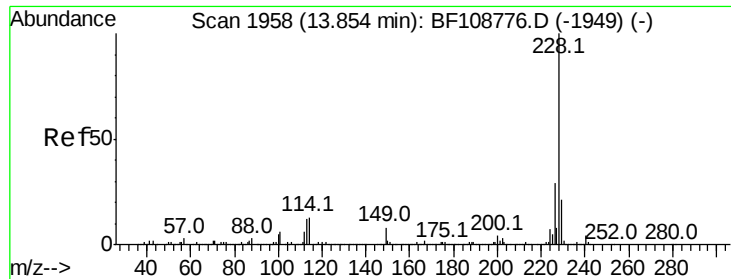
Sohil
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#78
Terphenyl-d14
Concen: 14.503 ng
RT: 12.82 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.8	11.0	16.4





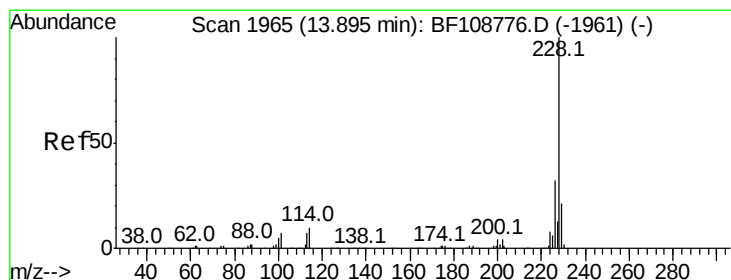
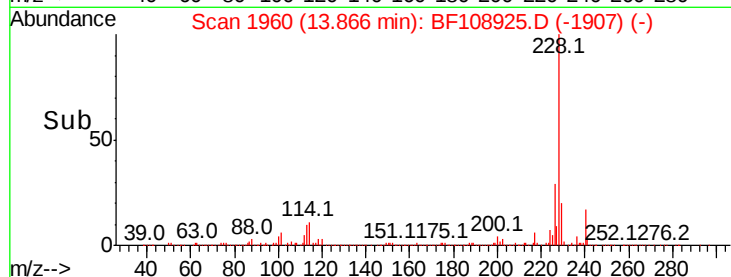
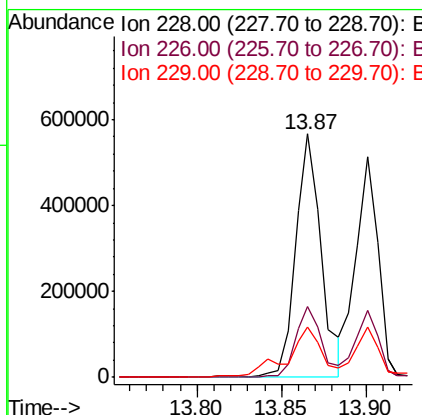
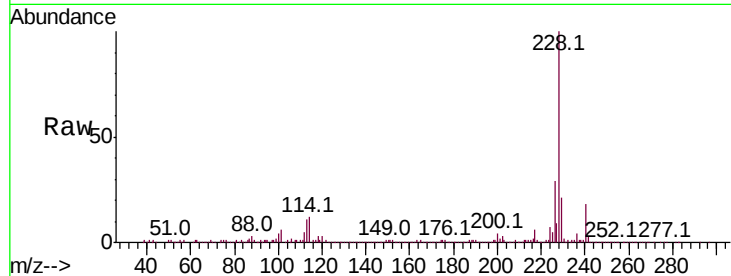
#80
Benzo(a)anthracene
Concen: 20.506 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	20.8	15.8	23.6

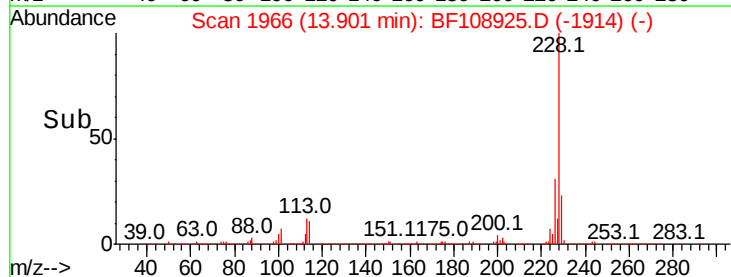
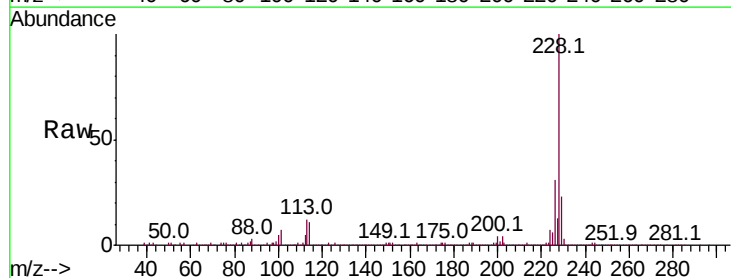
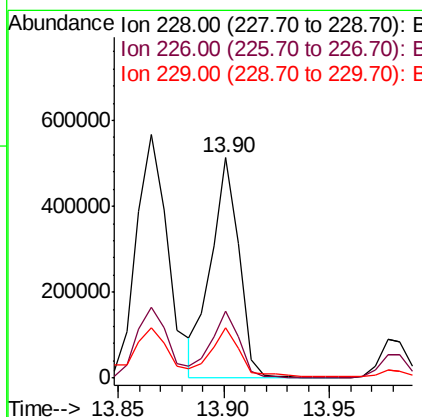
Manual Integrations
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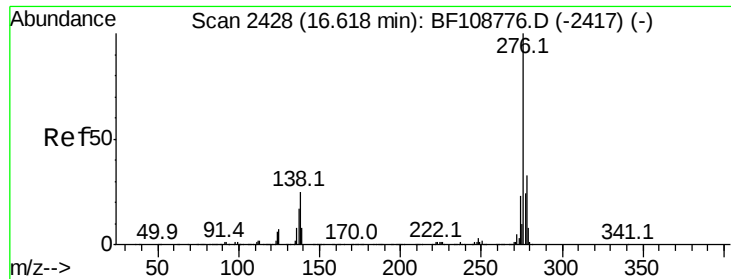
Sohil
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#82
Chrysene
Concen: 16.726 ng
RT: 13.90 min Scan# 1966
Delta R.T. 0.01 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.8	16.2	24.4





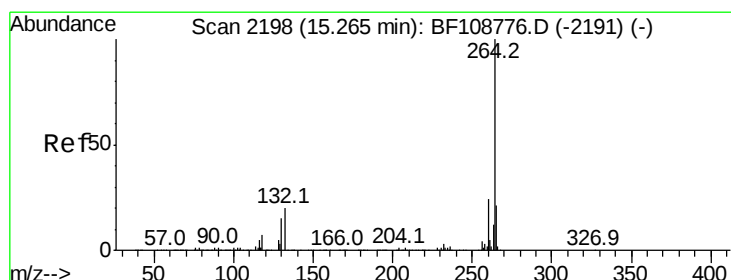
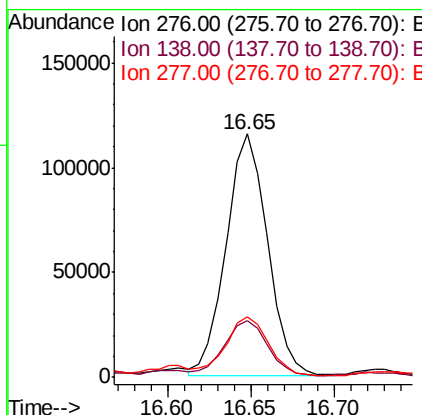
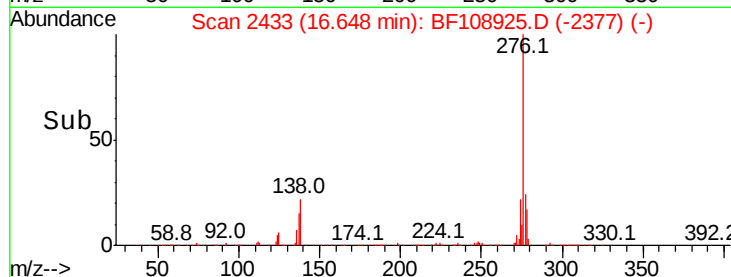
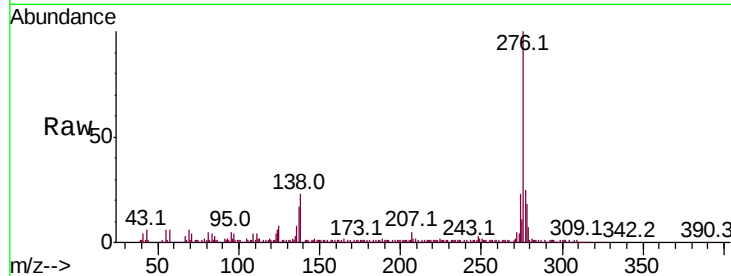
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.010 ng
RT: 16.65 min Scan# 2433
Delta R.T. 0.03 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.2	25.0	37.6#
277	4.3	20.1	30.1#

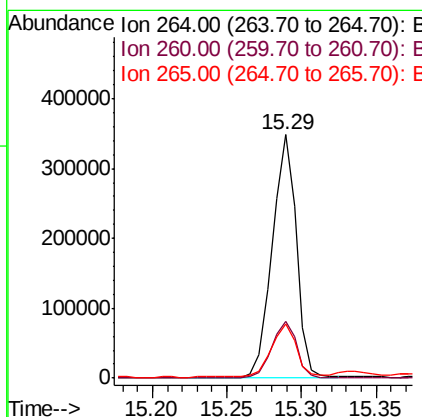
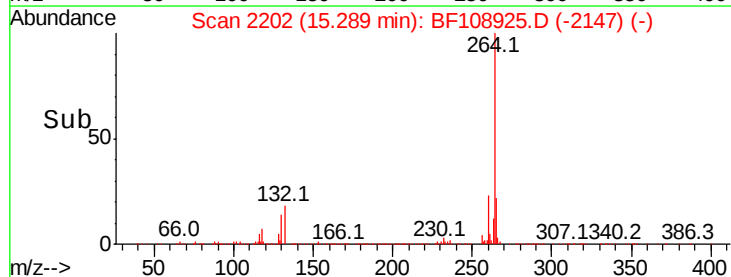
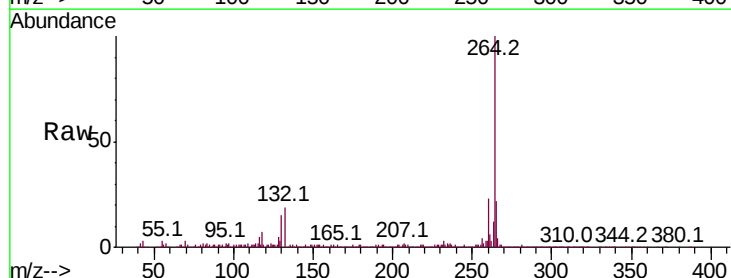
Manual Integrations
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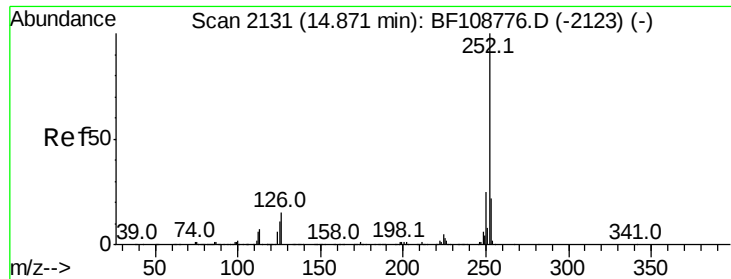
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.3	17.5	26.3





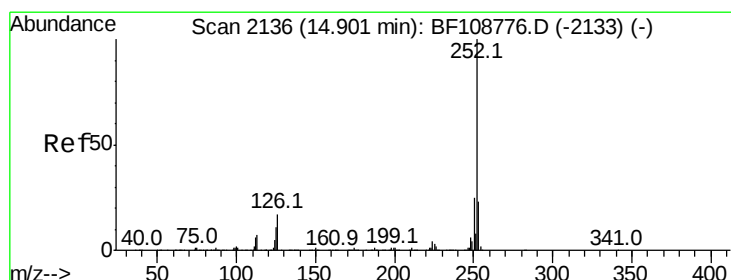
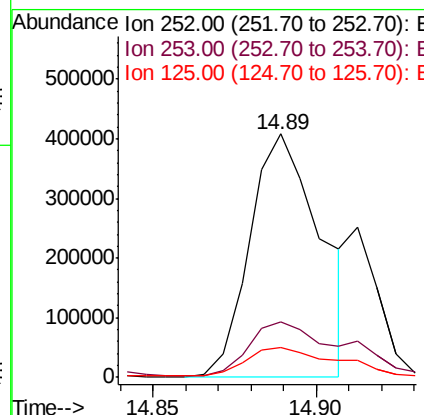
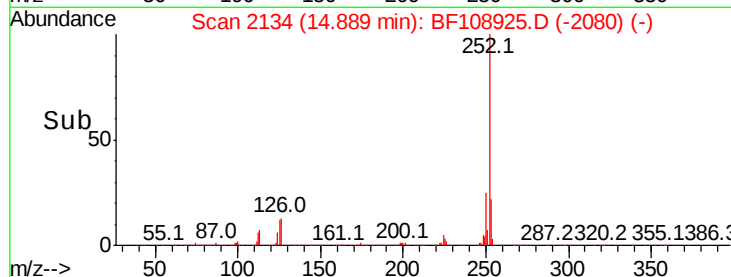
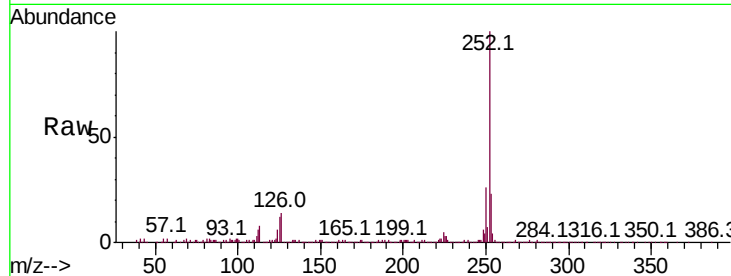
#87
Benzo(b)fluoranthene
Concen: 29.022 ng m
RT: 14.89 min Scan# 2134
Delta R.T. 0.02 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	12.3	9.0	13.6

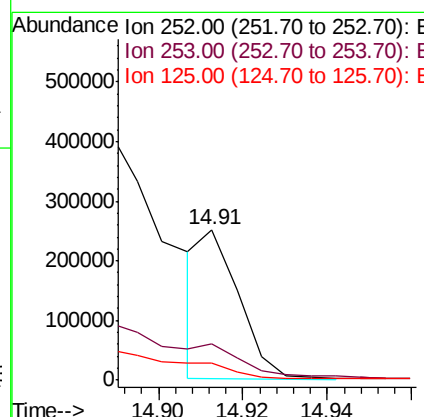
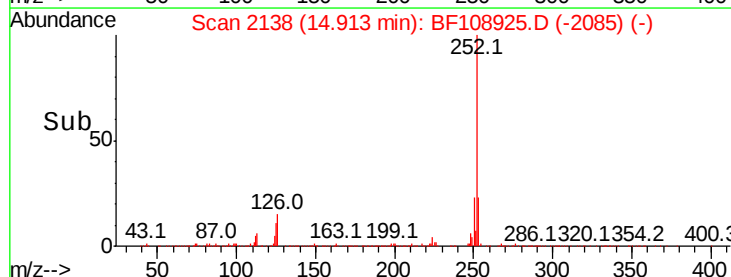
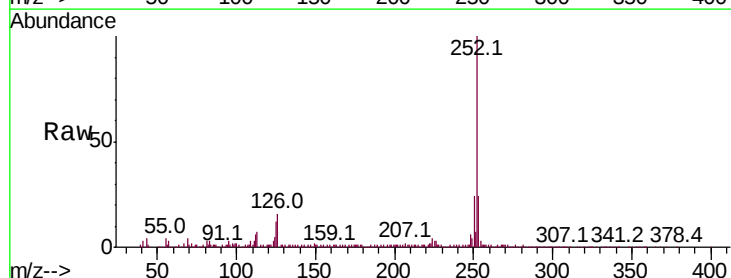
Manual Integrations
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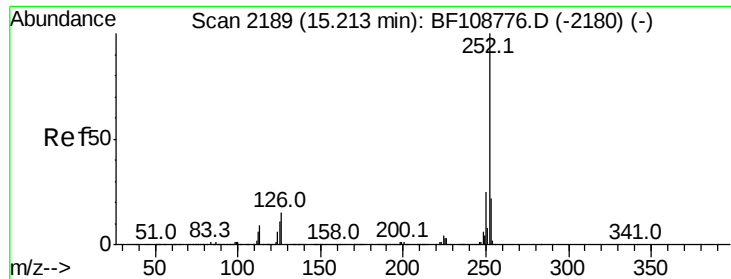
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.058 ng m
RT: 14.91 min Scan# 2138
Delta R.T. 0.01 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	11.7	10.2	15.2





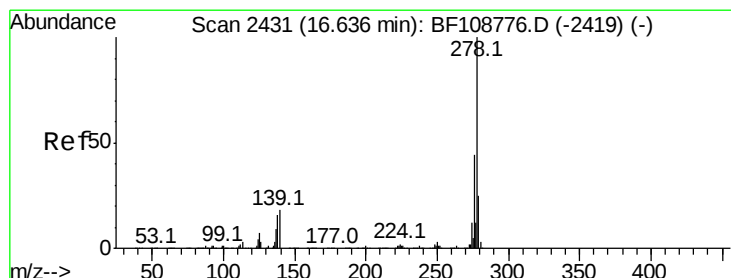
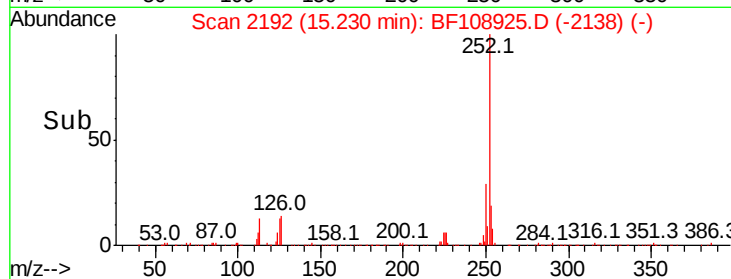
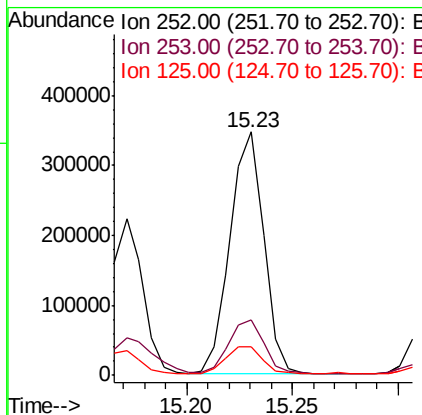
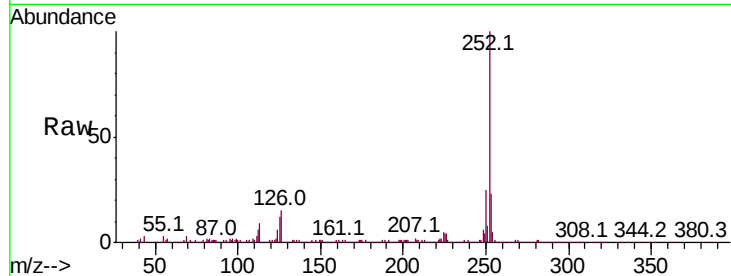
#89
Benzo(a)pyrene
Concen: 20.182 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-CDL

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.0	17.1	25.7	
125	12.0	9.8	14.6	

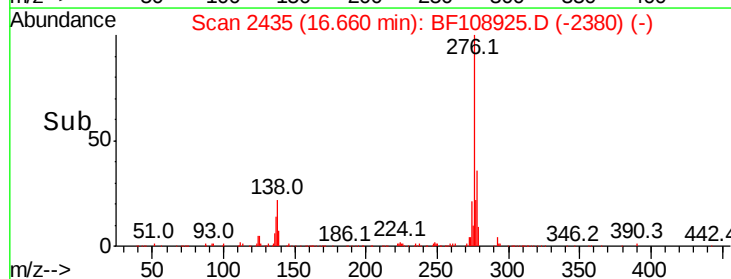
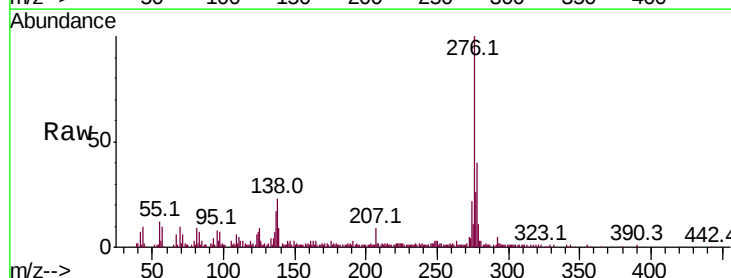
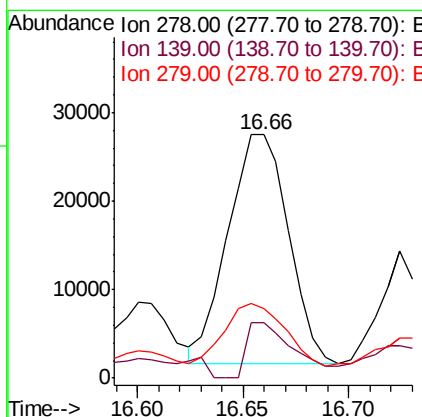
Manual Integrations
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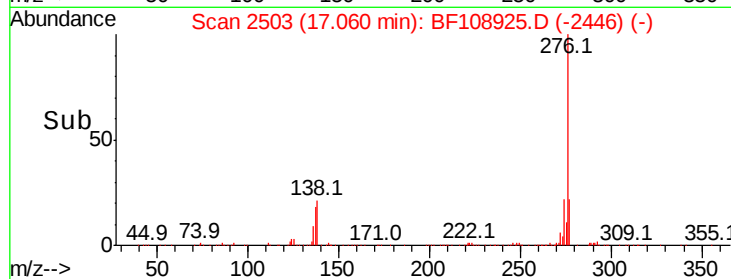
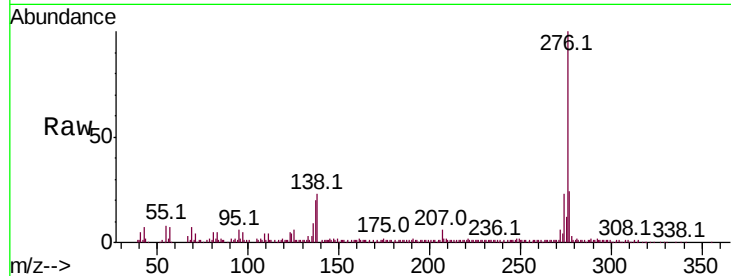
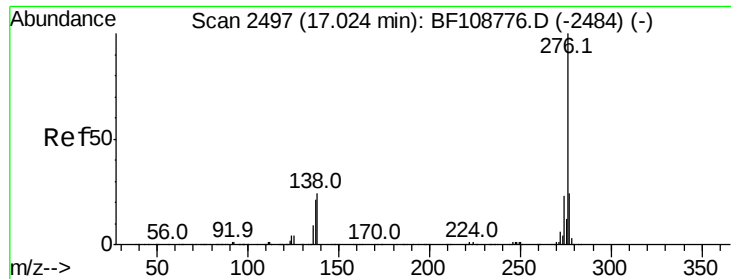
Sohil
9/11/2018 9:46:49 AM



#90
Dibenzo(a,h)anthracene
Concen: 3.054 ng
RT: 16.66 min Scan# 2435
Delta R.T. 0.02 min
Lab File: BF108925.D
Acq: 11 Sep 2018 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	22.9	15.9	23.9	
279	28.8	19.0	28.4	





#91

Benzo(a,h,i)perylene

Concen: 10.334 ng

RT: 17.06 min Scan# 2503

Delta R.T. 0.04 min

Lab File: BF108925.D

Acq: 11 Sep 2018 8:21

Instrument :

BNA_F

ClientSampleId :

PL-05-090718-CDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.9		17.9	26.9	
138	22.9		21.8	32.8	

Manual Integrations
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