

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108298.D
 Acq On : 20 Aug 2018 18:57
 Operator : JU/SJ
 Sample : J4521-25
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:06 PM

Quant Time: Aug 21 01:23:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	166231	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	580109	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	245615	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	404591	20.00	ng	0.00
75) Chrysene-d12	14.22	240	296176	20.00	ng	0.00
86) Perylene-d12	15.79	264	228817	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	862264	93.91	ng	0.02
7) Phenol-d6	6.64	99	1123669	92.09	ng	0.00
23) Nitrobenzene-d5	7.58	82	725112	69.75	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	219417	89.56	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1181417	77.22	ng	0.00
78) Terphenyl-d14	13.15	244	957954	82.24	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	78330	4.578	ng	Qvalue # 97
51) Acenaphthene	10.10	154	54683	3.946	ng	95
57) Fluorene	10.61	166	82203	5.172	ng	98
70) Phenanthrene	11.59	178	1152256	60.381	ng	99
71) Anthracene	11.64	178	470034	24.032	ng	99
74) Fluoranthene	12.79	202	2685797	128.958	ng	96
77) Pyrene	13.02	202	2527019	134.767	ng	95
80) Benzo(a)anthracene	14.21	228	1384123	81.431	ng	97
82) Chrysene	14.25	228	1156263	74.200	ng	97
85) Indeno(1,2,3-cd)pyrene	17.42	276	456294	33.794	ng	# 87
87) Benzo(b)fluoranthene	15.32	252	1178338m	86.181	ng	
88) Benzo(k)fluoranthene	15.35	252	441801m	35.151	ng	
89) Benzo(a)pyrene	15.72	252	858404	70.111	ng	94
90) Dibenzo(a,h)anthracene	17.42	278	124826	12.322	ng	93
91) Benzo(a,h,i)perylene	17.92	276	405192	40.620	ng	# 90

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

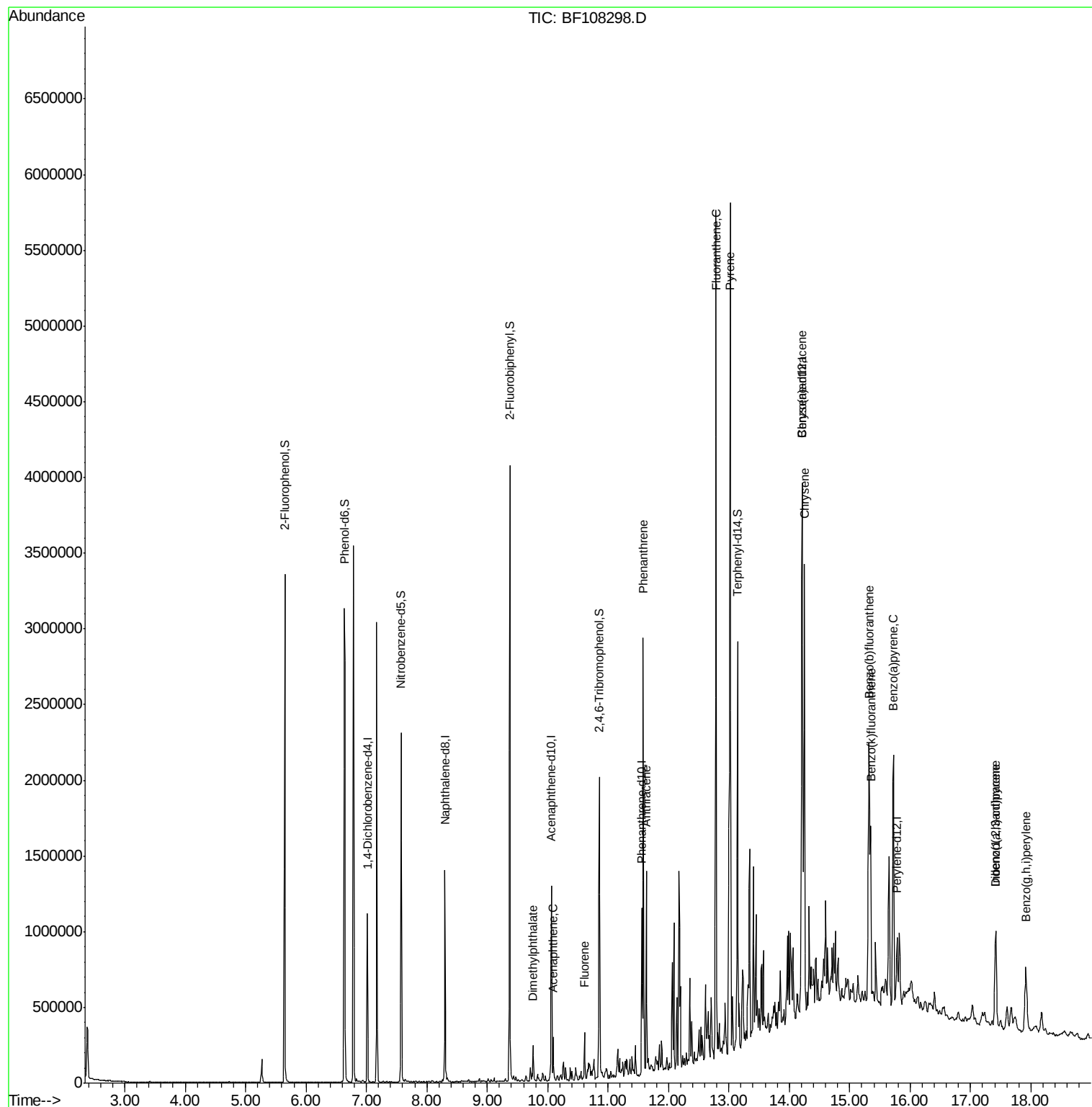
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108298.D
Acq On : 20 Aug 2018 18:57
Operator : JU/SJ
Sample : J4521-25
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11988

Manual Integrations
APPROVED

Sohil
8/21/2018 1:43:06 PM

Quant Time: Aug 21 01:23:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration





#1

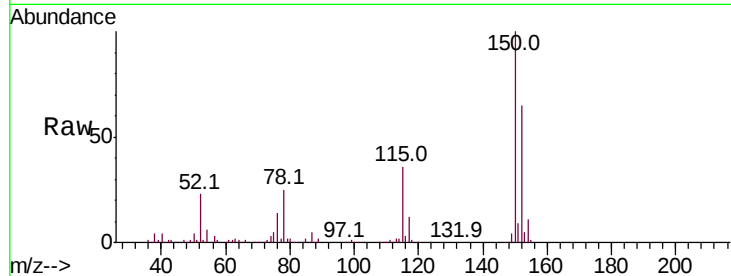
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Instrument :
BNA_F
ClientSampleId :
72-11988

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	55.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
8/21/2018 1:43:06 PM

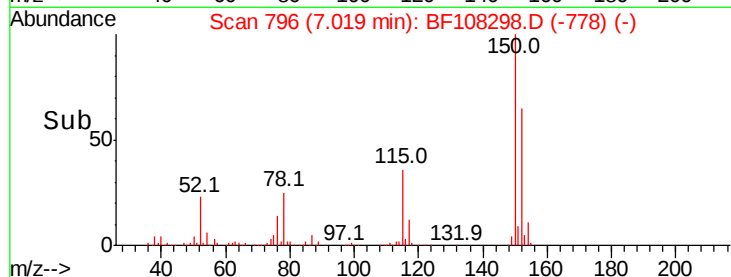
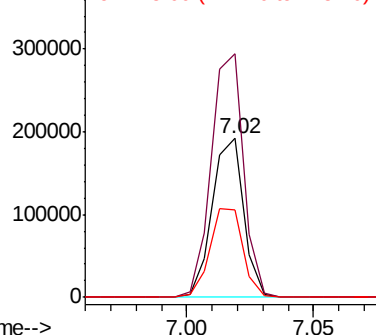


Abundance

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: 93.911 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

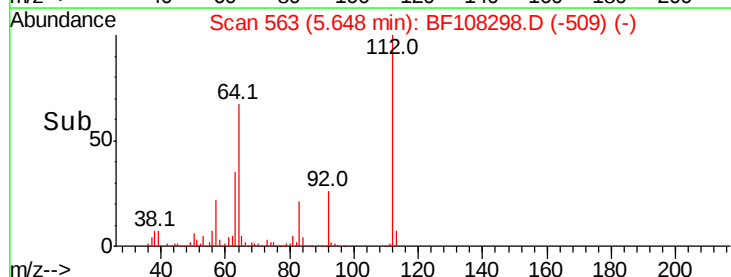
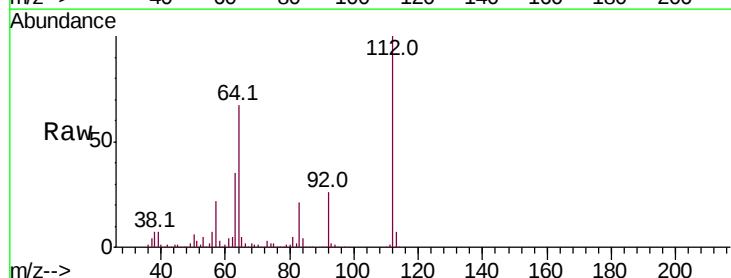
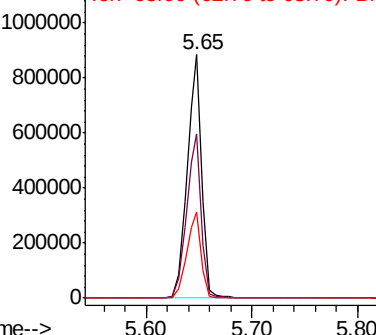
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	47.9	71.9
63	35.4	23.7	35.5

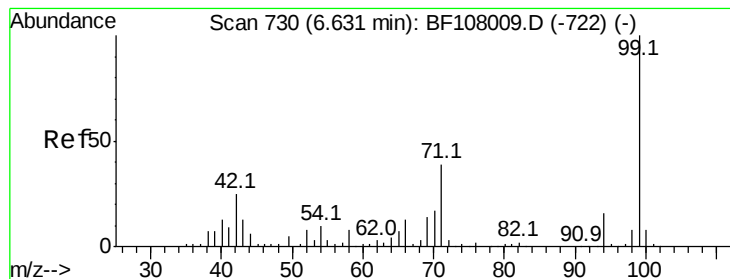
Abundance

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: 92.094 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

Instrument :

BNA_F

ClientSampled :

72-11988

Tot Ion: 99 Resp: 1123669

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

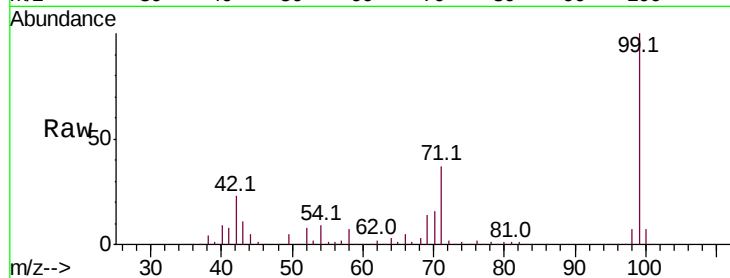
71 37.1 25.4 38.0

Manual Integrations

APPROVED

Sohil

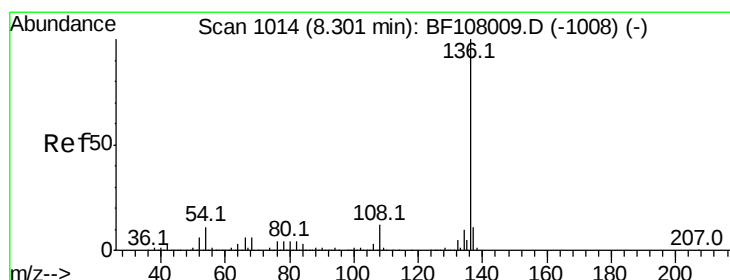
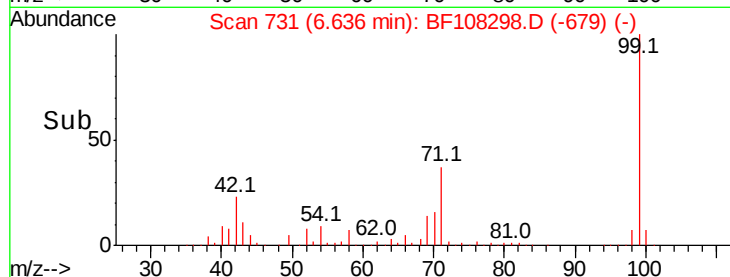
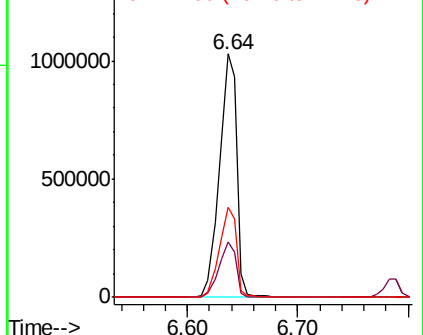
8/21/2018 1:43:06 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

Tgt Ion: 136 Resp: 580109

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.0 6.6 9.8

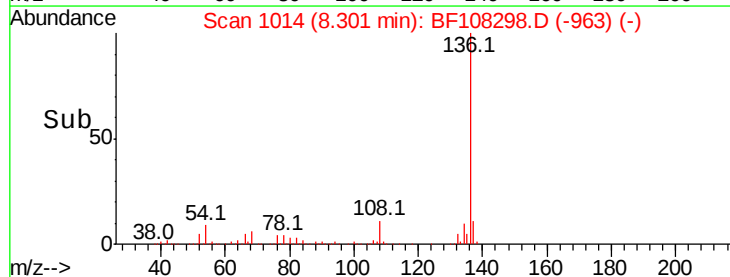
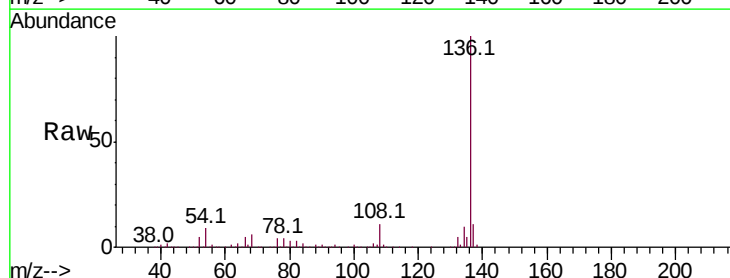
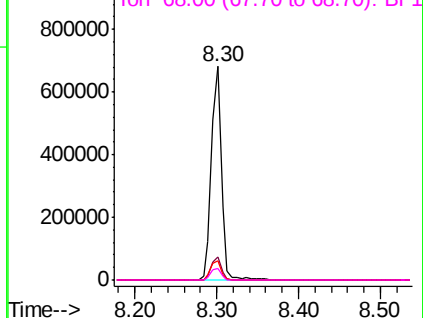
68 5.5 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





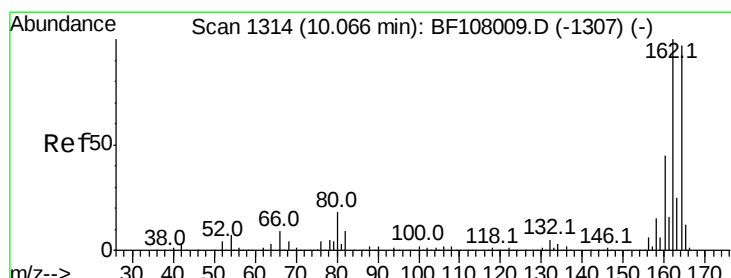
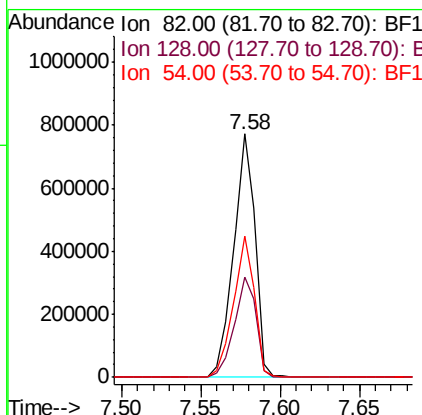
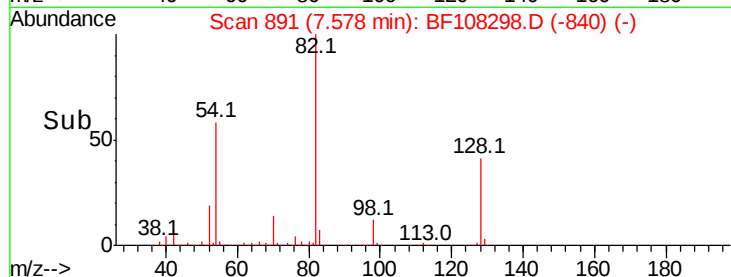
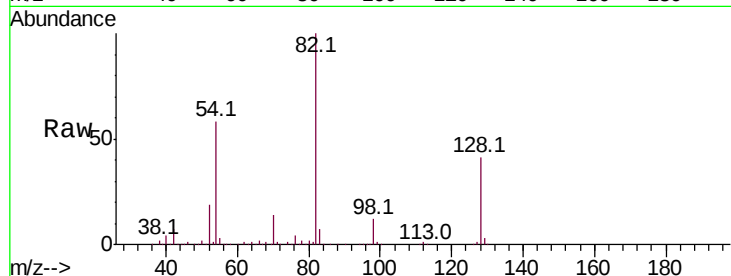
#23
Nitrobenzene-d5
Concen: 69.749 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Instrument :
BNA_F
ClientSampled :
72-11988

Tot Ion	Ratio	Resp	Lower	Upper
82	100	725112		
128	41.3	36.1	54.1	
54	57.9	41.4	62.2	

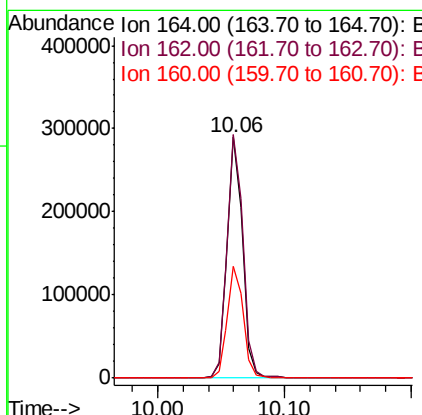
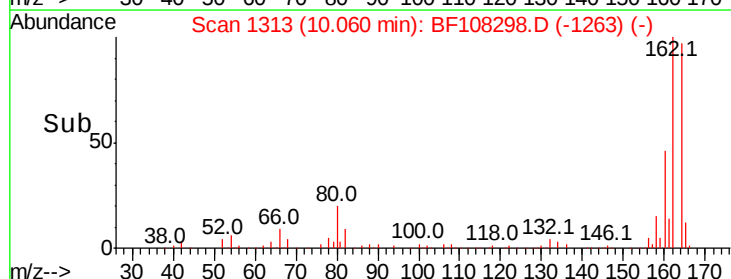
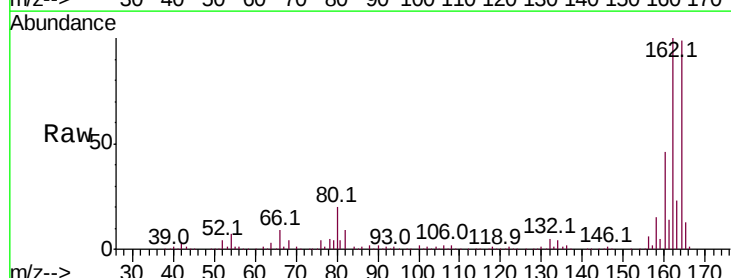
Manual Integrations
APPROVED

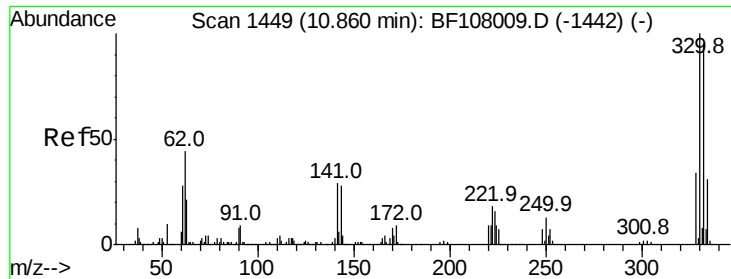
Sohil
8/21/2018 1:43:06 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	245615		
162	101.1	86.1	129.1	
160	46.2	38.3	57.5	





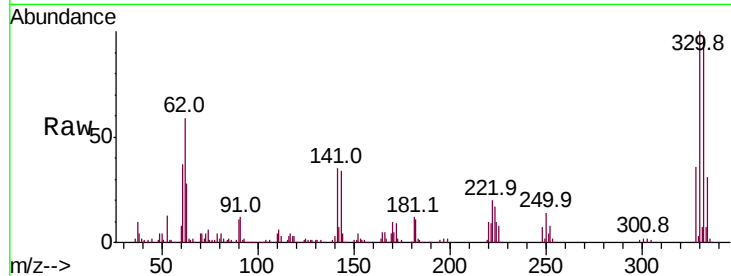
#41
 2,4,6-Tribromophenol
 Concen: 89.560 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Instrument :
 BNA_F
 ClientSampled :
 72-11988

Tot Ion	Ratio	Resp	Lower	Upper
330	100	219417		
332	97.2	77.0	115.6	
141	32.7	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:06 PM

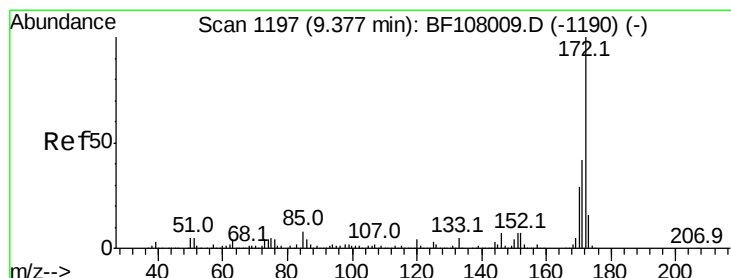
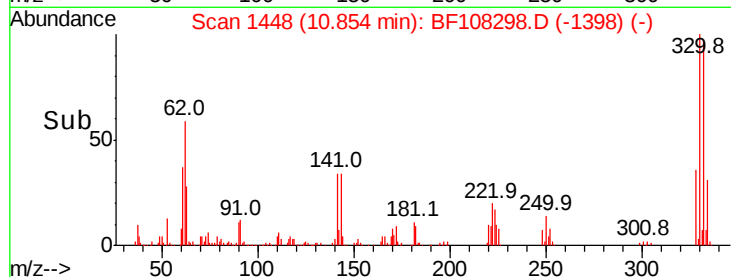
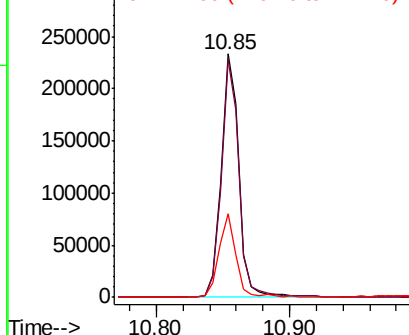


Abundance

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: 77.224 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

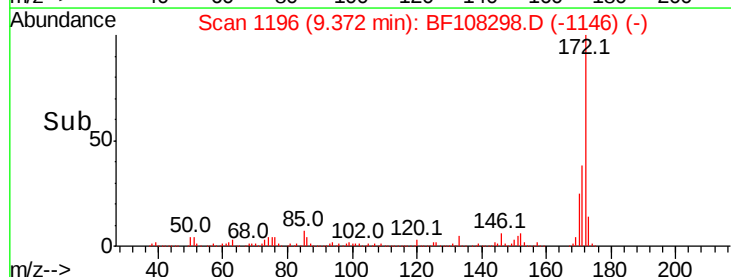
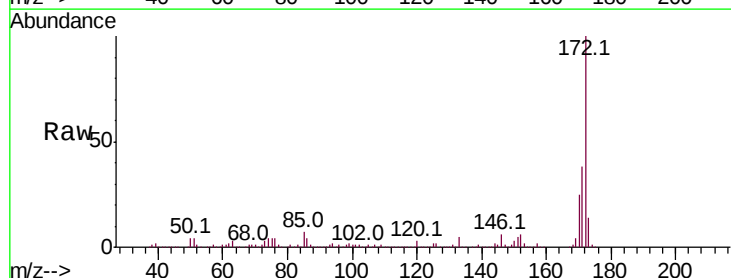
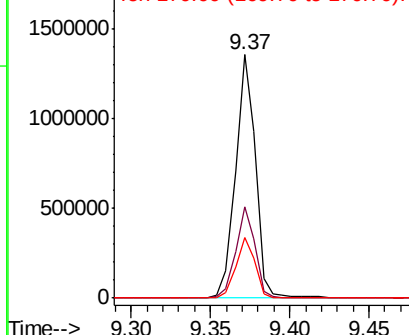
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1181417		
171	37.7	29.7	44.5	
170	24.8	19.6	29.4	

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





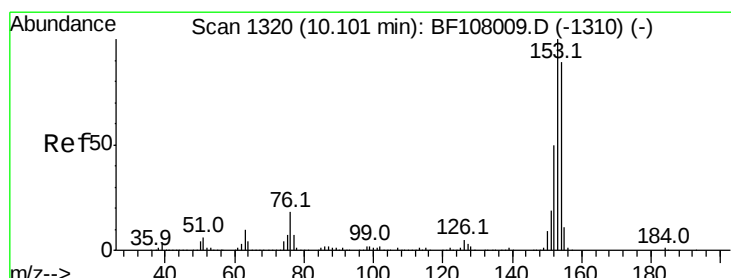
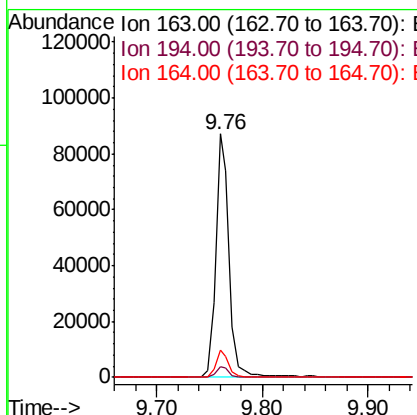
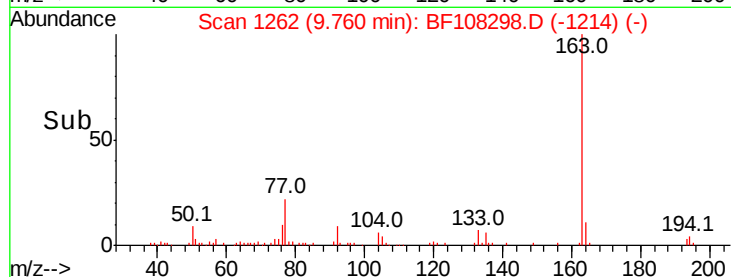
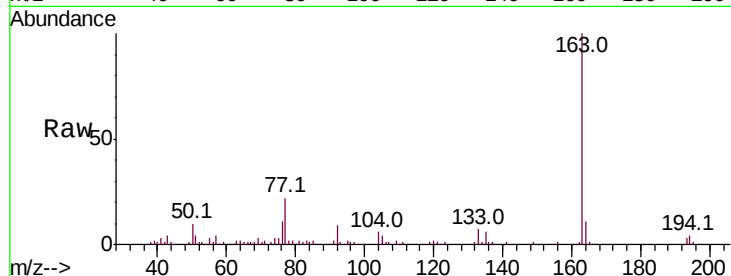
#49
 Dimethylphthalate
 Concen: 4.578 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Tot Ion:	163	Resp:	78330
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	11.1	8.2	12.2

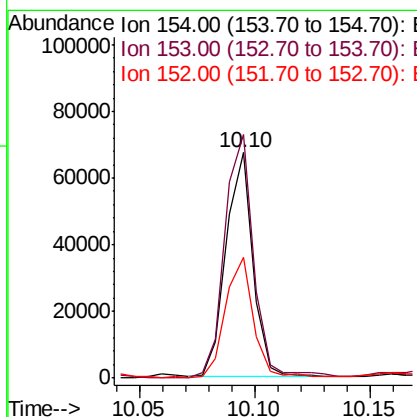
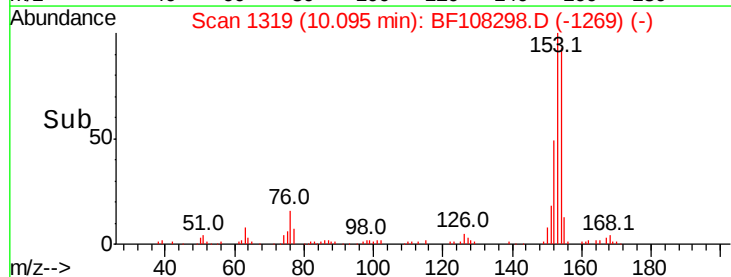
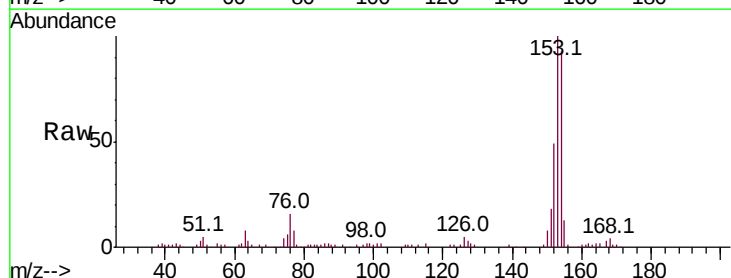
Manual Integrations
 APPROVED

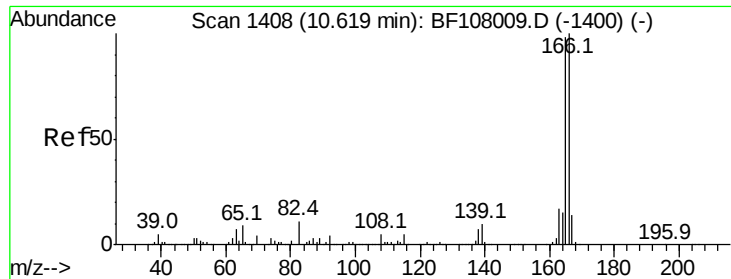
Sohil
 8/21/2018 1:43:06 PM



#51
 Acenaphthene
 Concen: 3.946 ng
 RT: 10.10 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Tgt Ion:	154	Resp:	54683
Ion Ratio	Lower	Upper	
154	100		
153	107.9	91.2	136.8
152	53.3	43.8	65.8





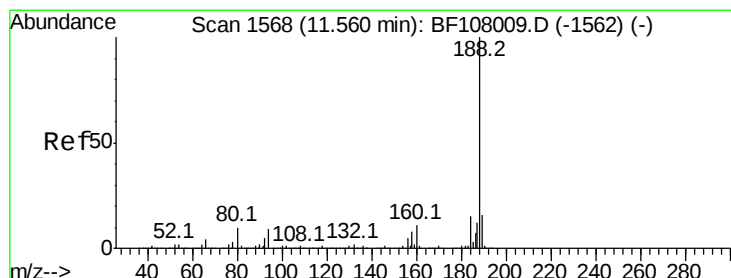
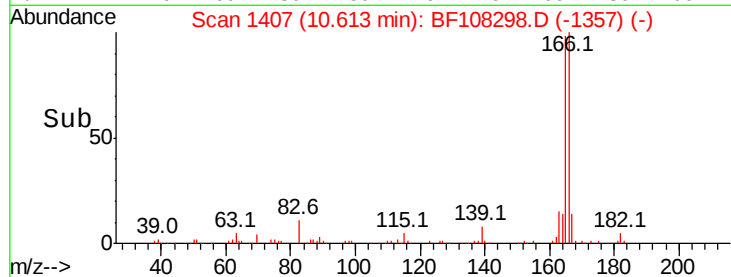
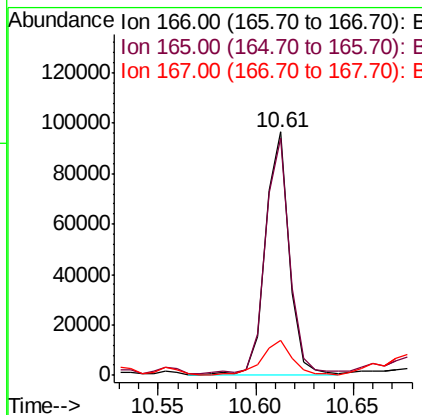
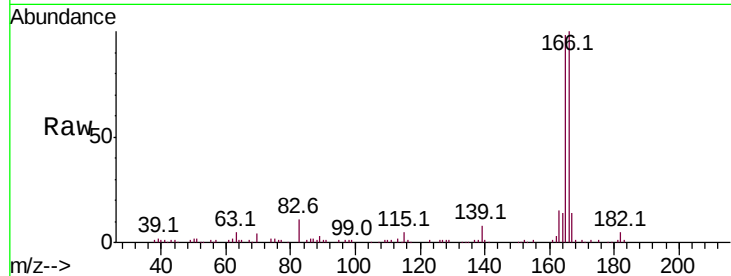
#57
Fluorene
 Concen: 5.172 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	14.5	10.6	16.0

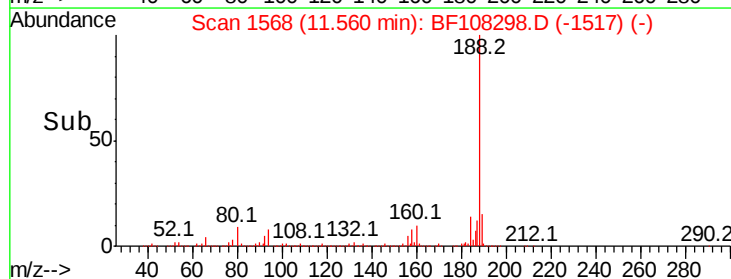
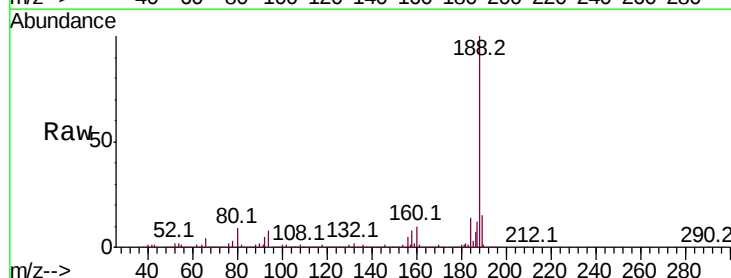
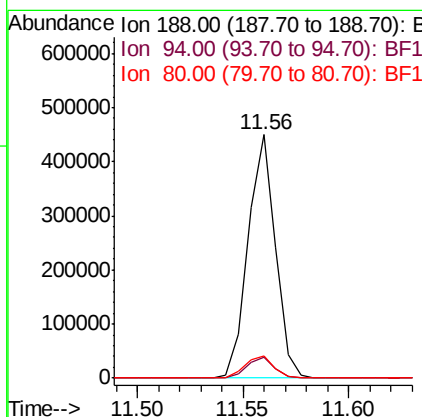
Manual Integrations
 APPROVED

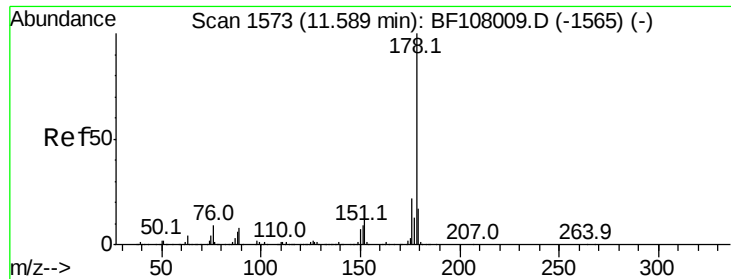
Sohil
 8/21/2018 1:43:06 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.0	9.2	13.8#





#70

Phenanthrene

Concen: 60.381 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

Instrument :

BNA_F

ClientSampleId :

72-11988

Tot Ion:178 Resp: 1152256

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

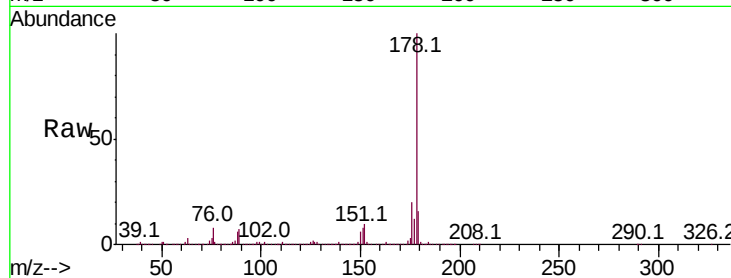
179 15.9 13.0 19.6

Manual Integrations

APPROVED

Sohil

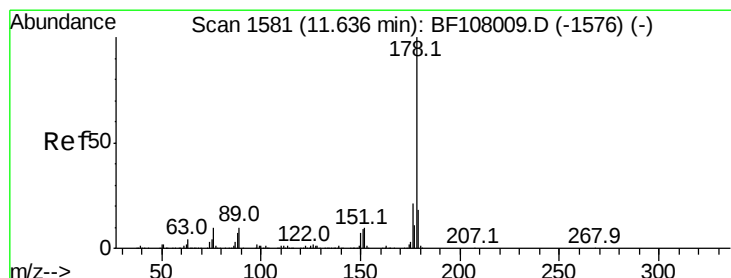
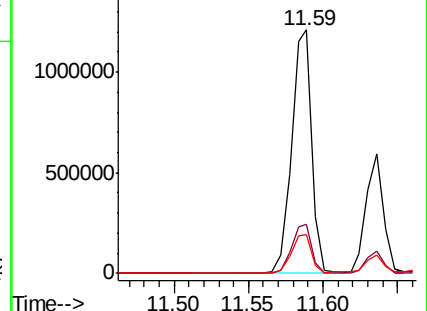
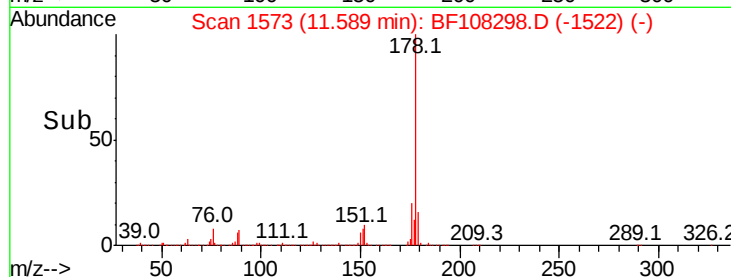
8/21/2018 1:43:06 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 24.032 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

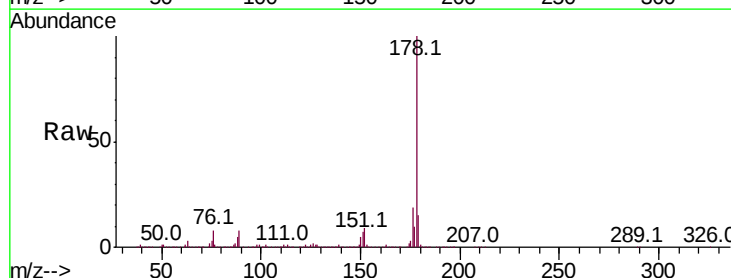
Tgt Ion:178 Resp: 470034

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

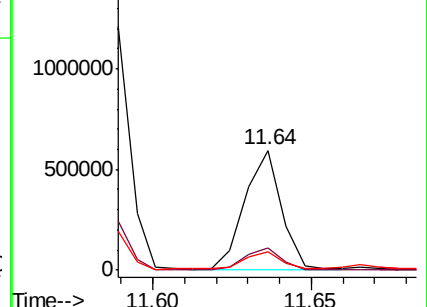
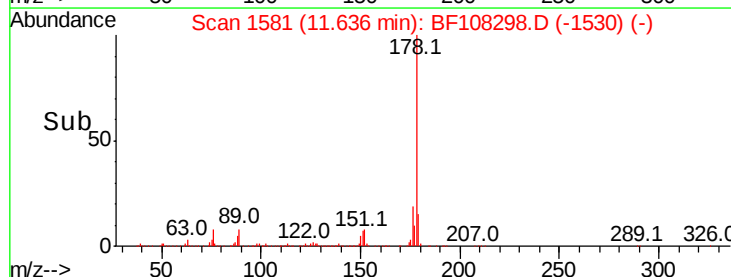
179 15.4 12.6 19.0

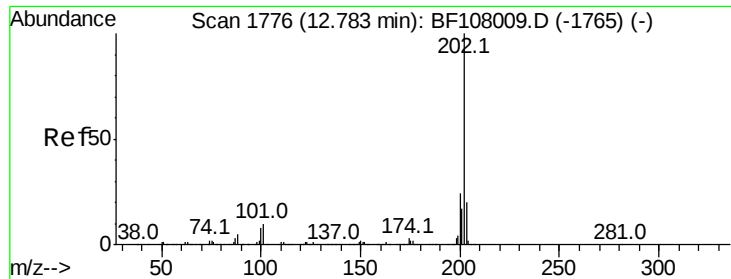


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





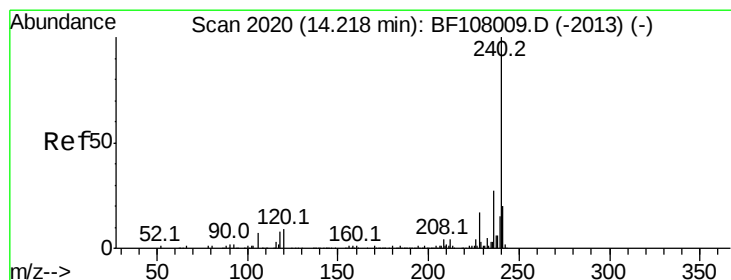
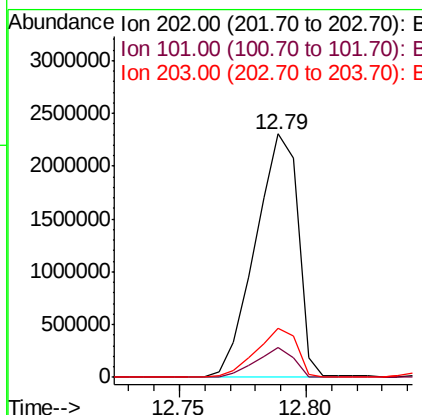
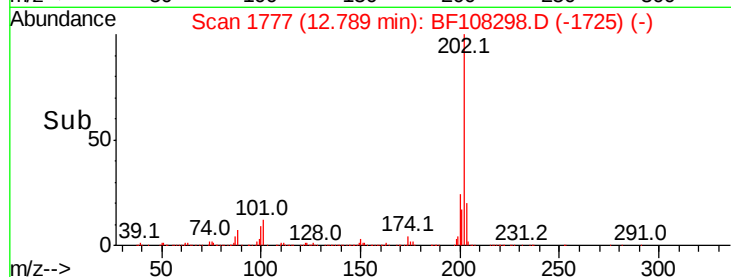
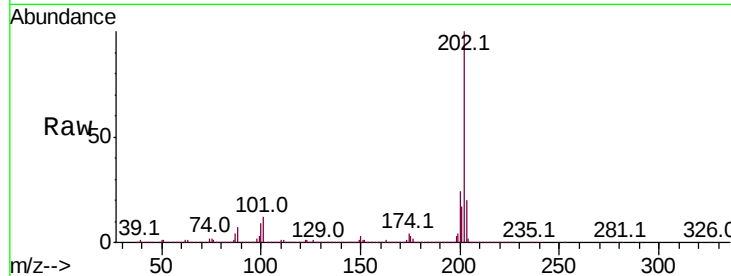
#74
 Fluoranthene
 Concen: 128.958 ng
 RT: 12.79 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	19.9	0.0	38.1

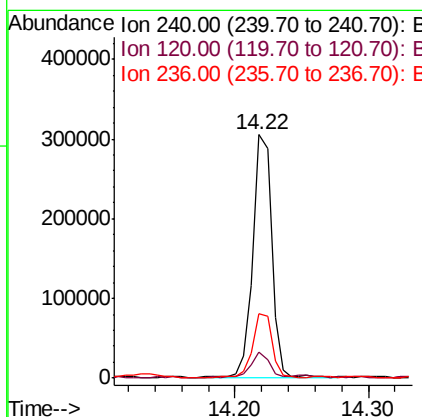
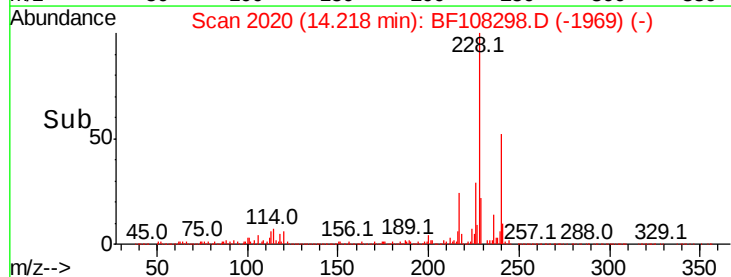
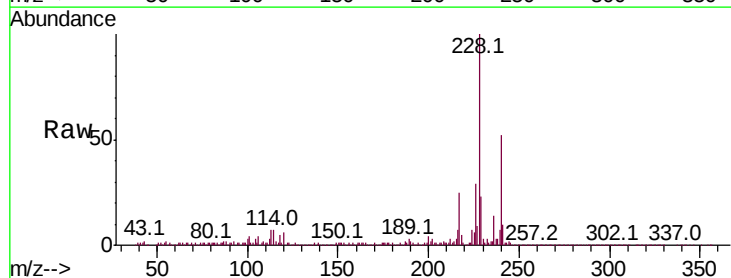
Manual Integrations
 APPROVED

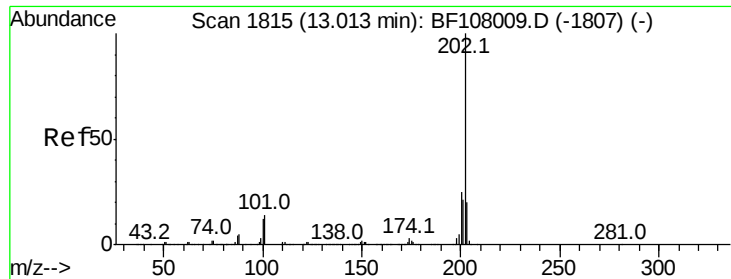
Sohil
 8/21/2018 1:43:06 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.22 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.3	20.7	31.1





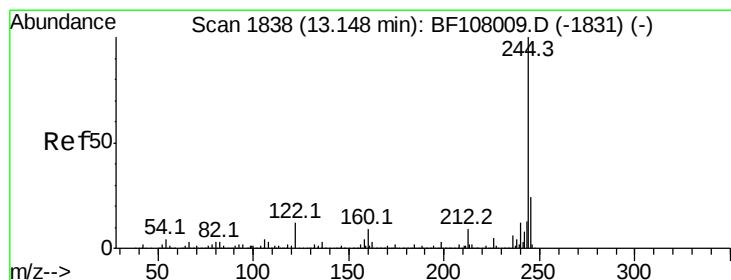
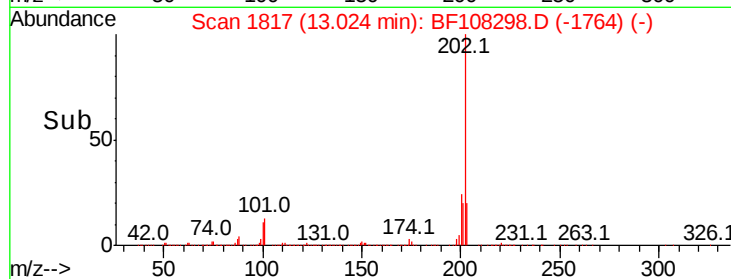
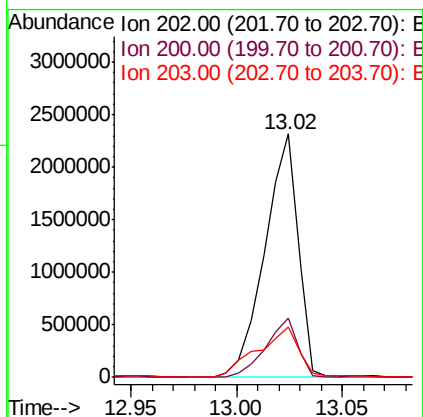
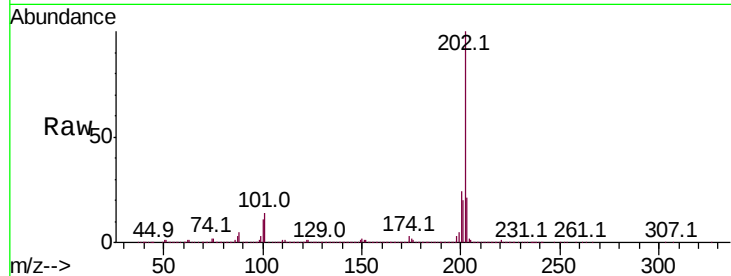
#77
Pvrene
Concen: 134.767 ng
RT: 13.02 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Instrument :
BNA_F
ClientSampleId :
72-11988

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.2	17.4	26.2
203	20.6	14.3	21.5

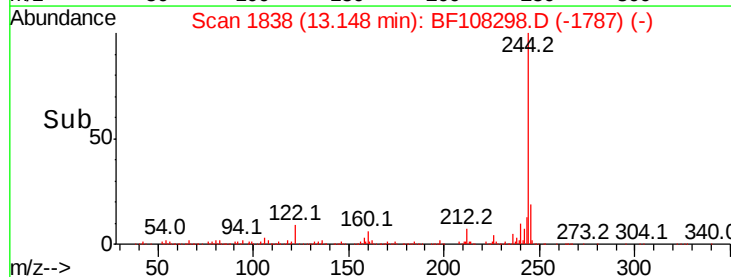
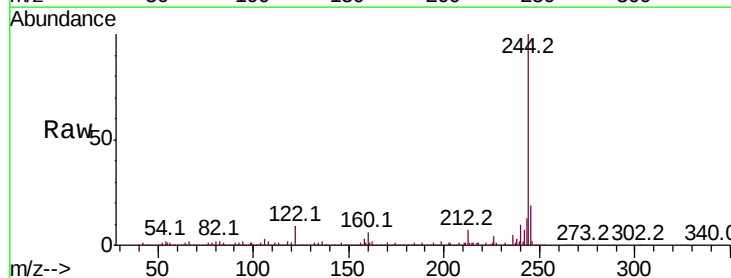
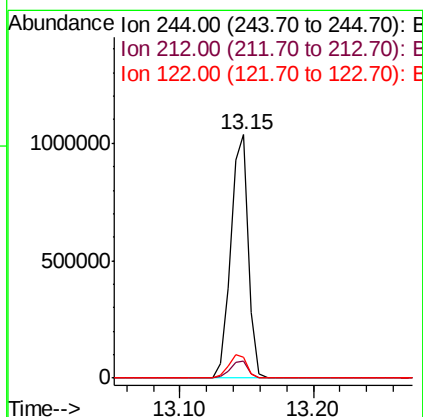
Manual Integrations
APPROVED

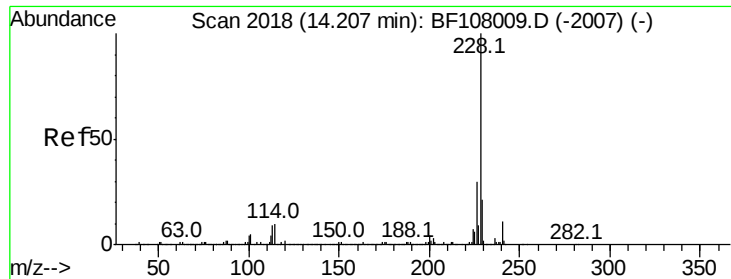
Sohil
8/21/2018 1:43:06 PM



#78
Terphenyl-d14
Concen: 82.237 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	8.7	11.0	16.4





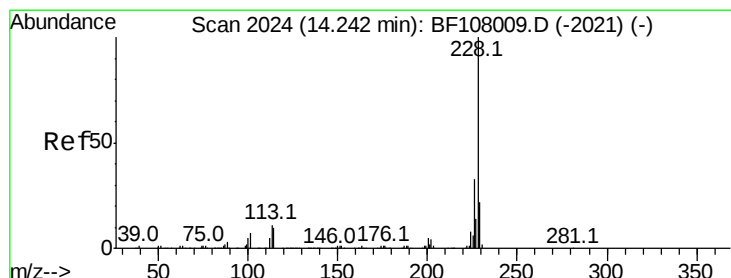
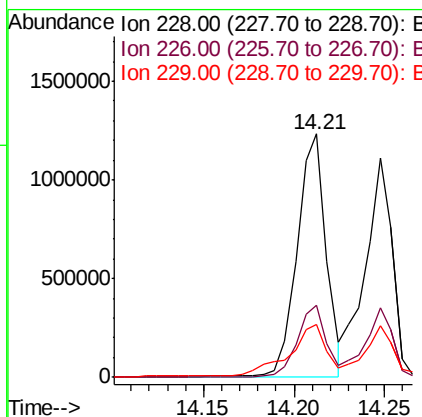
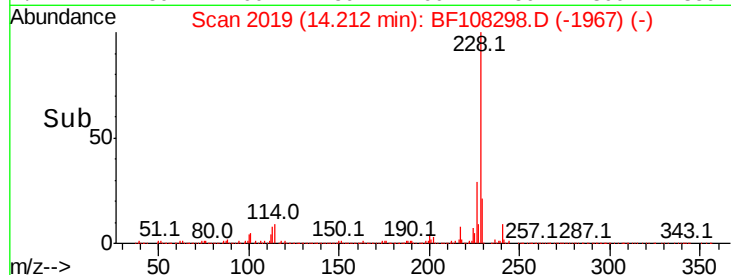
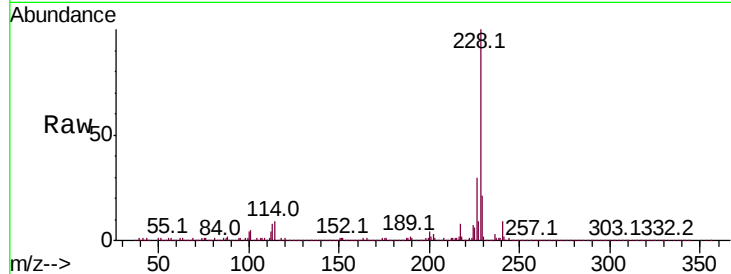
#80
Benzo(a)anthracene
Concen: 81.431 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Instrument :
BNA_F
ClientSampleId :
72-11988

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.5	15.8	23.6

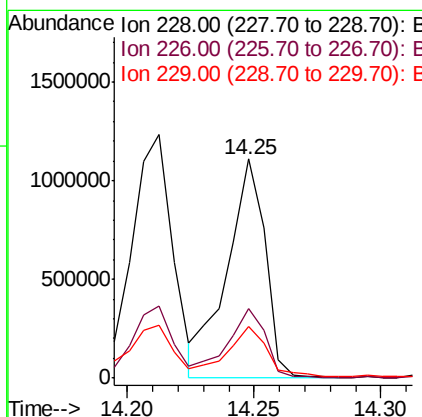
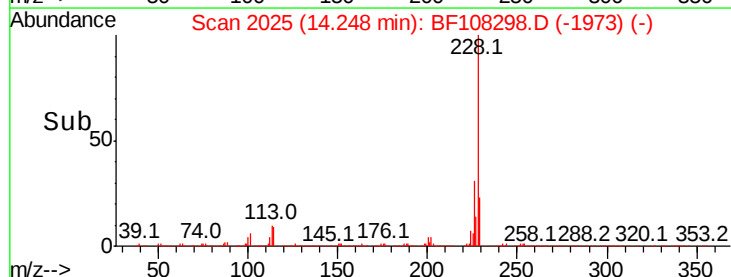
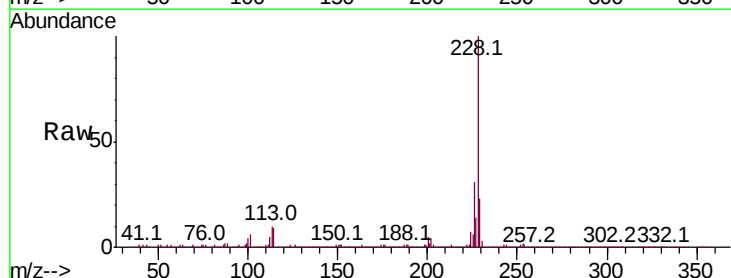
Manual Integrations
APPROVED

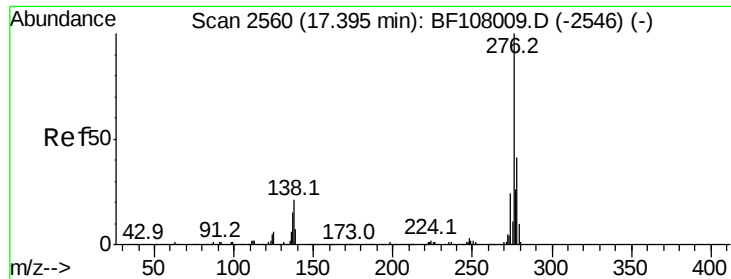
Sohil
8/21/2018 1:43:06 PM



#82
Chrysene
Concen: 74.200 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	23.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 33.794 ng

RT: 17.42 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

Instrument :

BNA_F

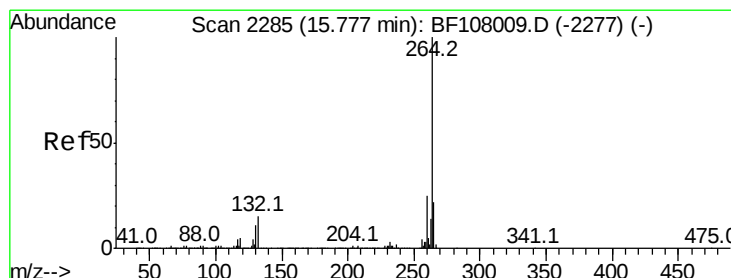
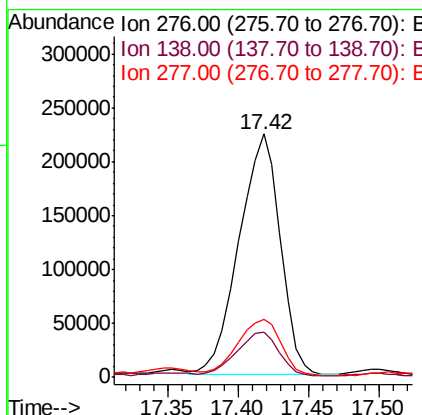
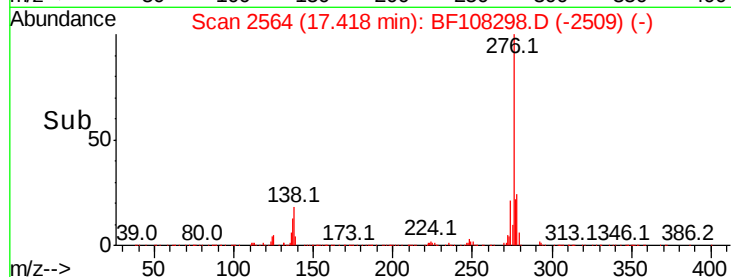
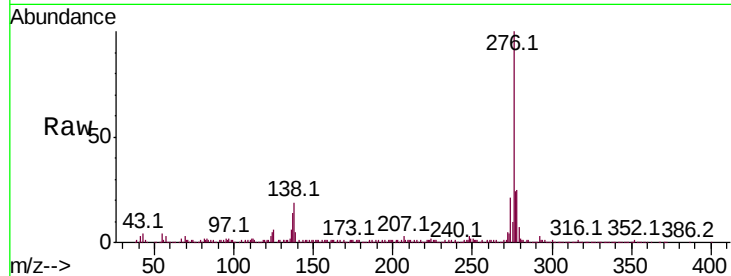
ClientSampleId :

72-11988

Tot Ion:	276	Resp:	456294
Ion Ratio	Lower	Upper	
276	100		
138	18.7	25.0	37.6#
277	24.8	20.1	30.1

Manual Integrations
APPROVED

Sohil
8/21/2018 1:43:06 PM



#86

Perylene-d12

Concen: 20.000 ng

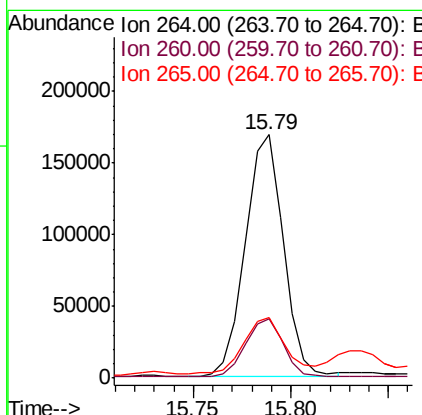
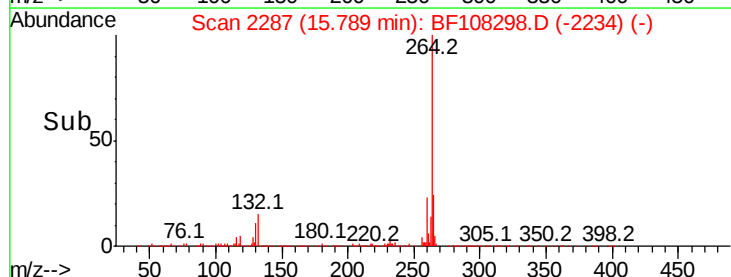
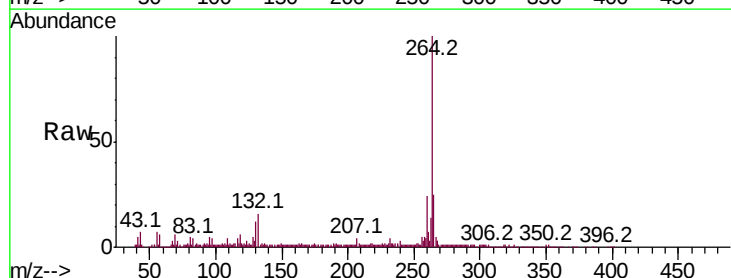
RT: 15.79 min Scan# 2287

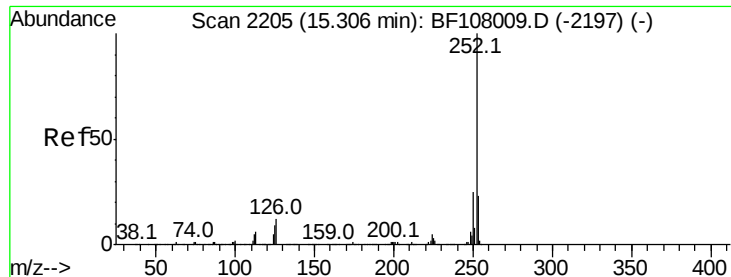
Delta R.T. 0.01 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

Tgt Ion:	264	Resp:	228817
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	24.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 86.181 ng m

RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

Instrument :

BNA_F

ClientSampleId :

72-11988

Tot Ion:252 Resp: 1178338

Ion Ratio Lower Upper

252 100

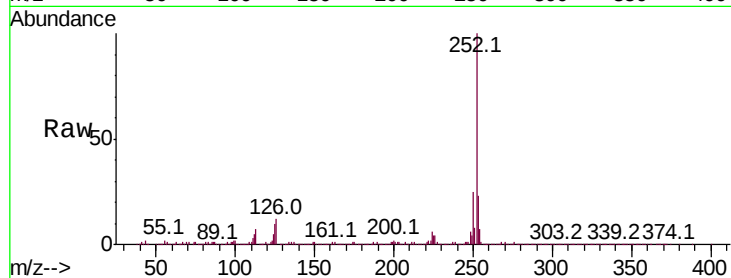
253 23.4 17.0 25.6

125 9.9 9.0 13.6

Manual Integrations
APPROVED

Sohil

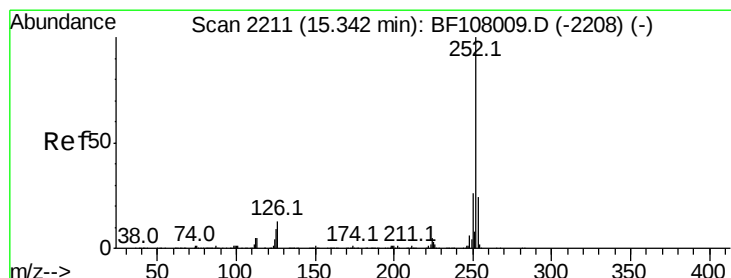
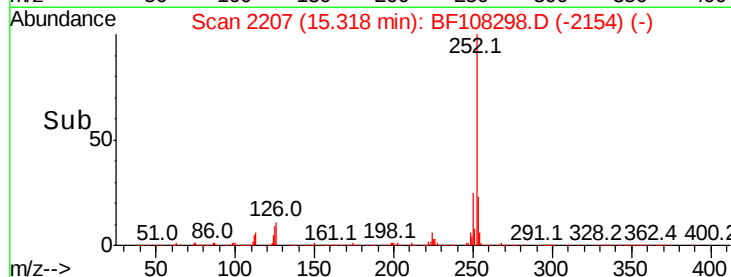
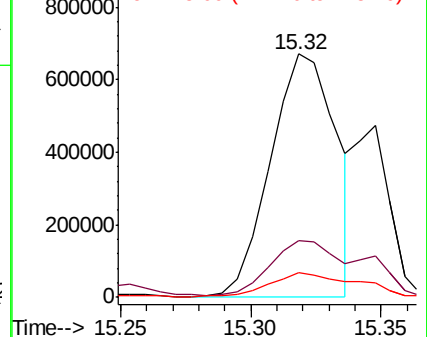
8/21/2018 1:43:06 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 35.151 ng m

RT: 15.35 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF108298.D

Acq: 20 Aug 2018 18:57

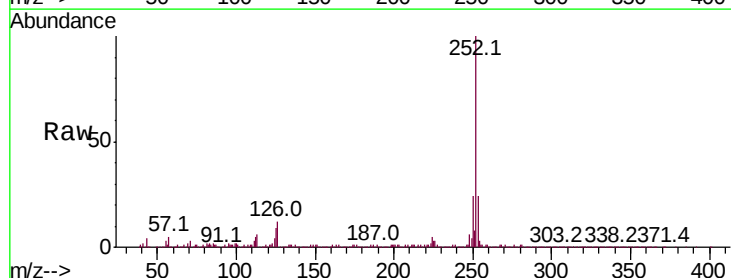
Tgt Ion:252 Resp: 441801

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

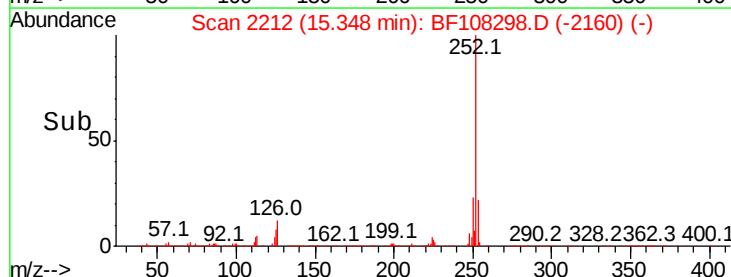
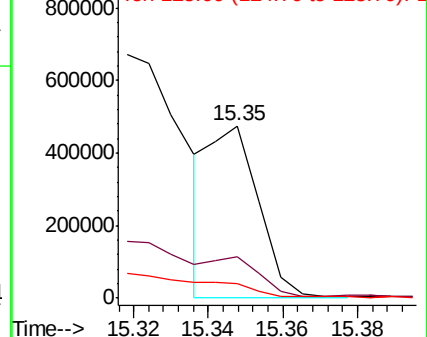
125 8.6 10.2 15.2#

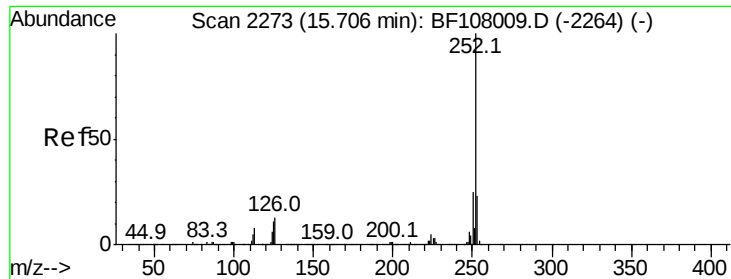


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





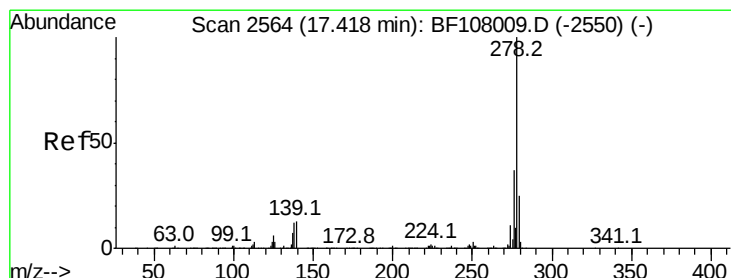
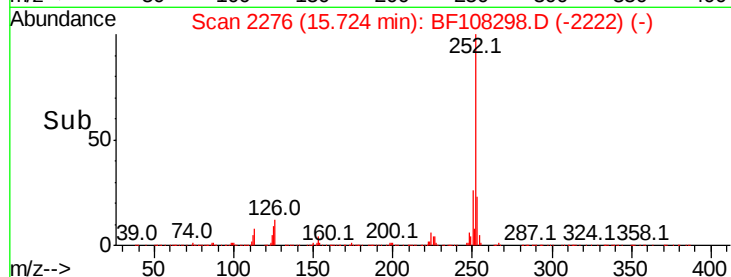
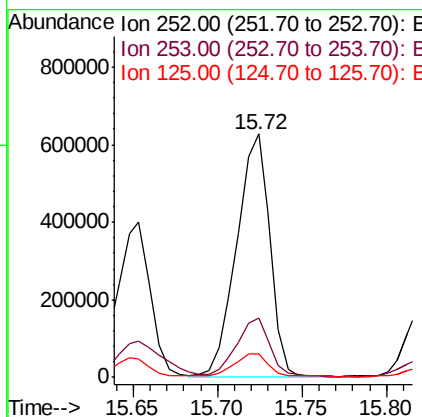
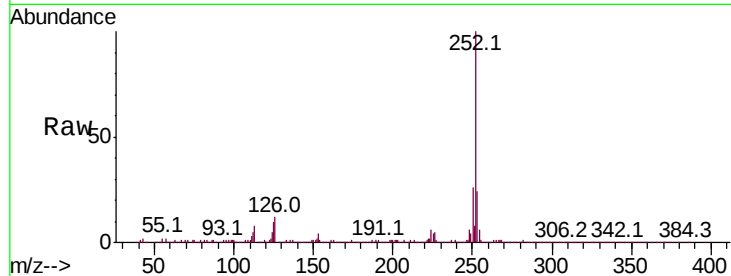
#89
Benzo(a)pyrene
Concen: 70.111 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Instrument :
BNA_F
ClientSampleId :
72-11988

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	9.9	9.8	14.6

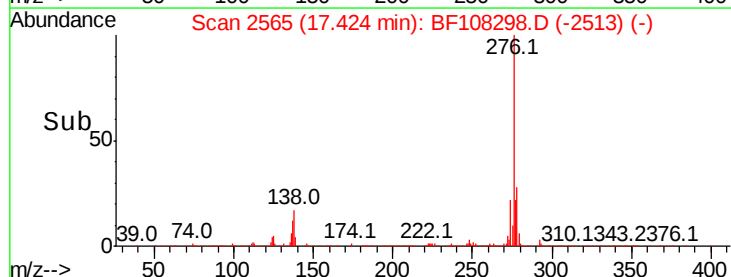
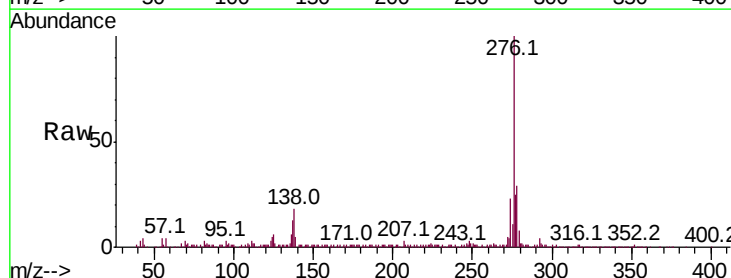
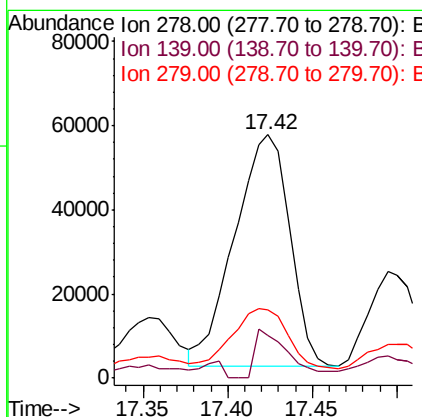
Manual Integrations
APPROVED

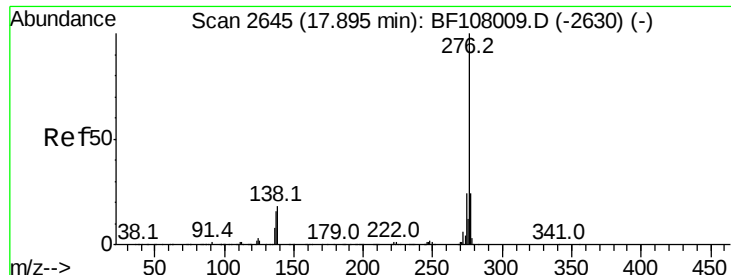
Sohil
8/21/2018 1:43:06 PM



#90
Dibenzo(a,h)anthracene
Concen: 12.322 ng
RT: 17.42 min Scan# 2565
Delta R.T. 0.01 min
Lab File: BF108298.D
Acq: 20 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.9	23.9
279	28.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 40.620 ng
 RT: 17.92 min Scan# 2649
 Delta R.T. 0.02 min
 Lab File: BF108298.D
 Acq: 20 Aug 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	18.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:06 PM

