

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108459.D
 Acq On : 24 Aug 2018 9:33
 Operator : JU/SJ
 Sample : J4559-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Manual Integrations
 APPROVED

Sohil
 8/24/2018 12:14:39 PM

Quant Time: Aug 24 11:50:17 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	114240	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	423363	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	173723	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	300392	20.00	ng	0.00
75) Chrysene-d12	14.20	240	226566	20.00	ng	0.00
86) Perylene-d12	15.76	264	167925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	566296	89.75	ng	0.00
7) Phenol-d6	6.62	99	742319	88.53	ng	-0.01
23) Nitrobenzene-d5	7.56	82	452547	59.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	132822	76.65	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	627650	58.00	ng	-0.01
78) Terphenyl-d14	13.12	244	503630	56.52	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	217819	18.000	ng	Qvalue # 98
51) Acenaphthene	10.08	154	30858	3.148	ng	96
57) Fluorene	10.60	166	41863	3.724	ng	96
70) Phenanthrene	11.57	178	595474	42.028	ng	100
71) Anthracene	11.62	178	196043	13.500	ng	98
72) Carbazole	11.77	167	41175	3.191	ng	99
74) Fluoranthene	12.77	202	1195475	77.311	ng	96
77) Pyrene	13.00	202	1039988	72.503	ng	99
80) Benzo(a)anthracene	14.19	228	566570	43.574	ng	99
82) Chrysene	14.22	228	463344	38.869	ng	98
83) Bis(2-ethylhexyl)phthalate	14.15	149	19336	2.507	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.38	276	181662	17.588	ng	# 86
87) Benzo(b)fluoranthene	15.29	252	508684m	50.695	ng	
88) Benzo(k)fluoranthene	15.32	252	150640m	16.332	ng	
89) Benzo(a)pyrene	15.69	252	318286	35.423	ng	98
90) Dibenzo(a,h)anthracene	17.38	278	50303m	6.766	ng	
91) Benzo(a,h,i)perylene	17.87	276	175074	23.915	ng	# 88

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

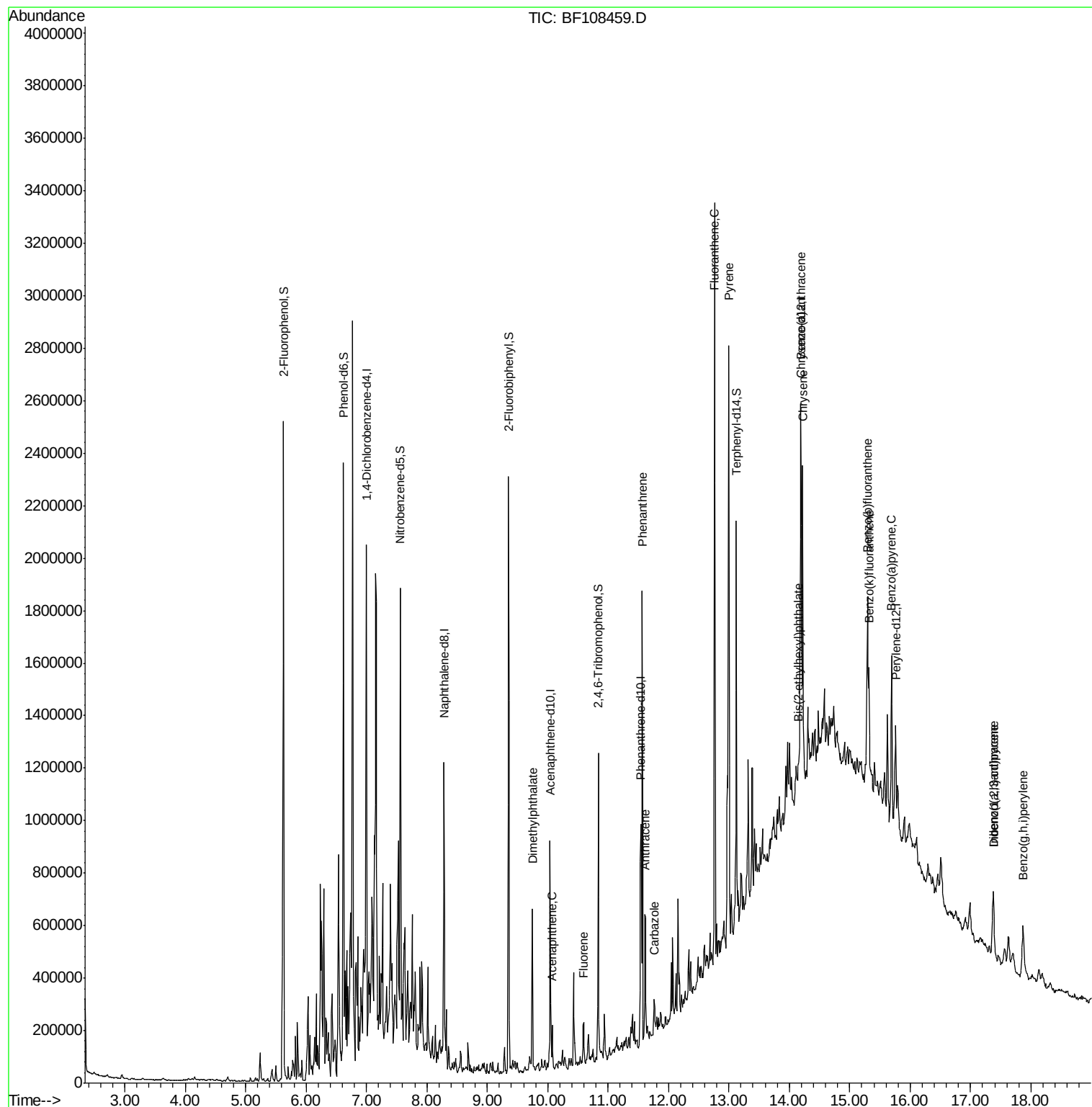
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

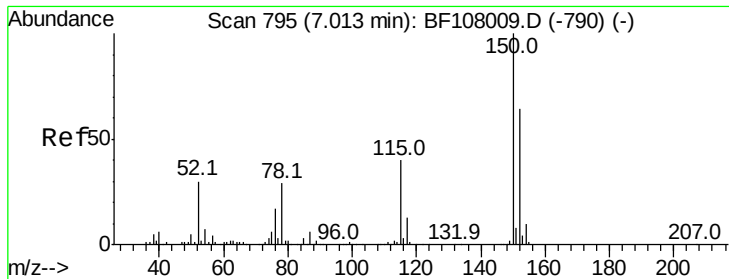
Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Manual Integrations
APPROVED

Sohil
8/24/2018 12:14:39 PM

Quant Time: Aug 24 11:50:17 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 22 11:01:45 2018
Response via : Initial Calibration





#1

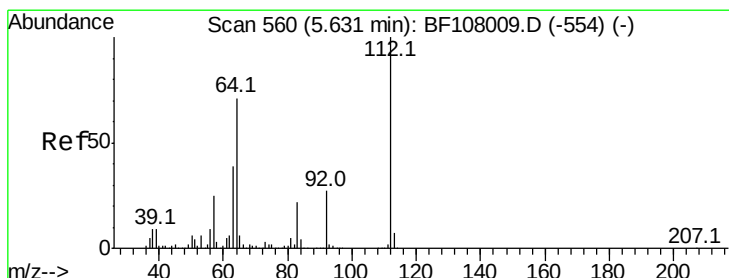
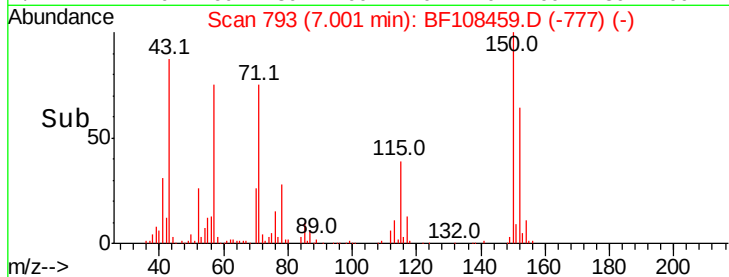
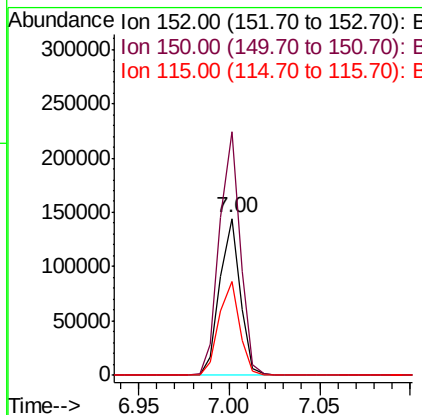
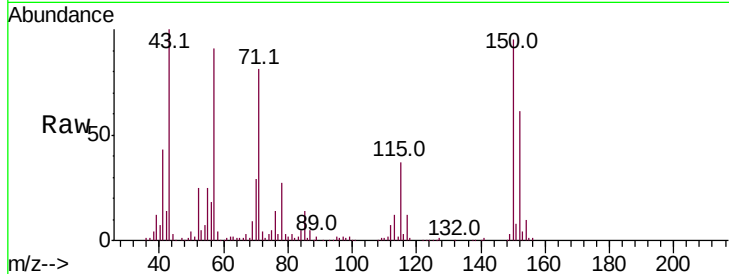
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.2	50.1	75.1

Manual Integrations
APPROVED

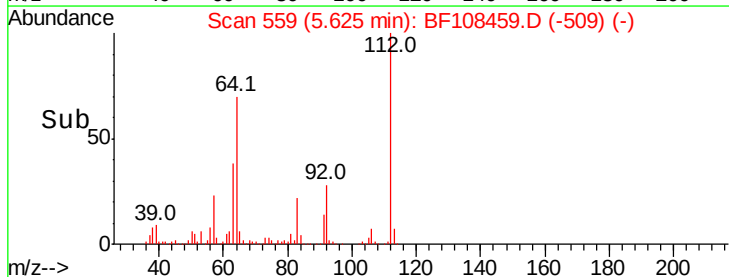
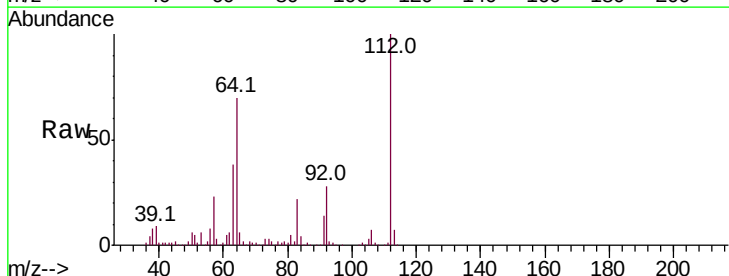
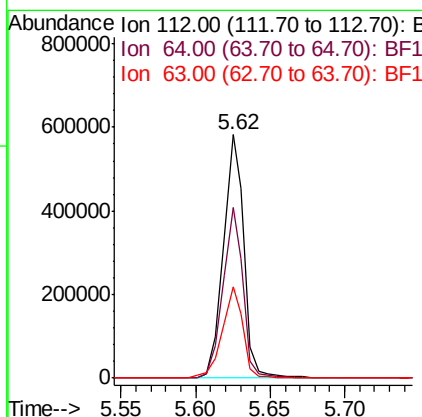
Sohil
8/24/2018 12:14:39 PM

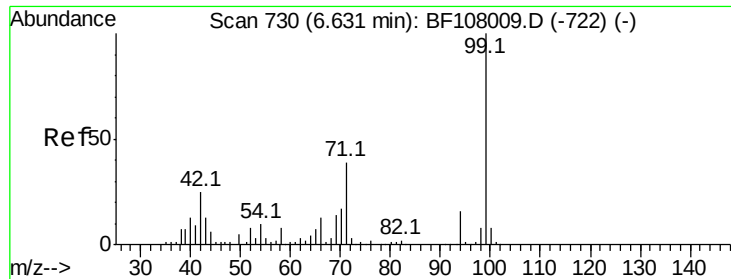


#5

2-Fluorophenol
Concen: 89.746 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.6	23.7	35.5#





#7

Phenol-d6

Concen: 88.528 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Instrument :

BNA_F

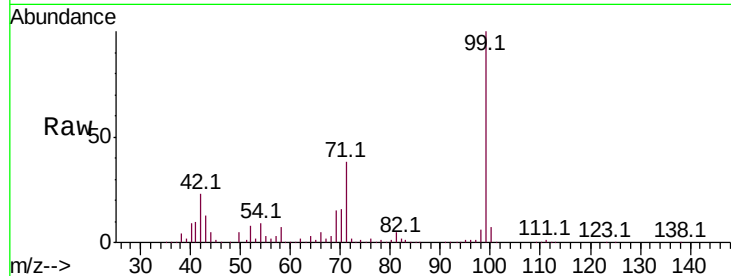
ClientSampleId :

RA-081718-WSW-20-049

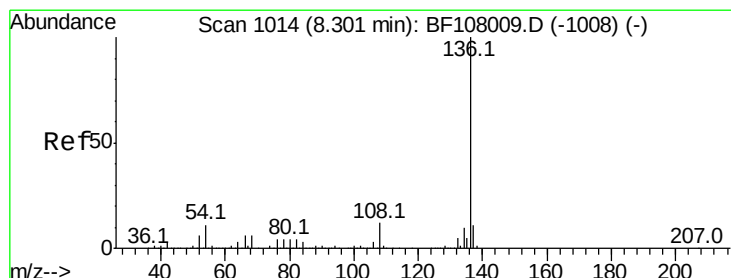
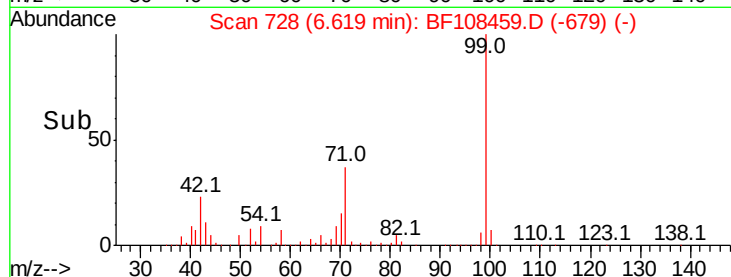
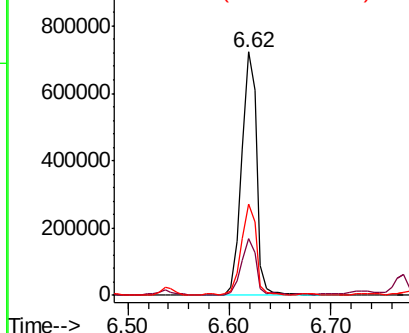
Tot Ion:	99	Resp:	742319
Ion Ratio	Lower	Upper	
99	100		
42	23.2	14.5	21.7#
71	37.6	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/24/2018 12:14:39 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: 8.28 min Scan# 1011

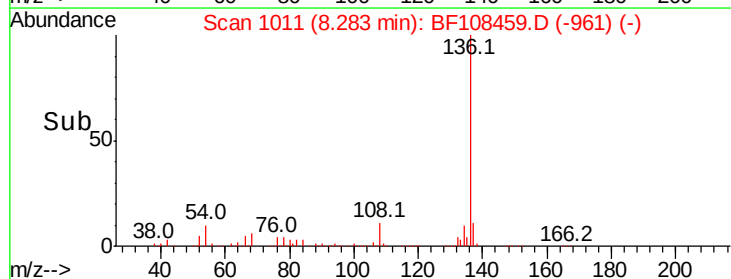
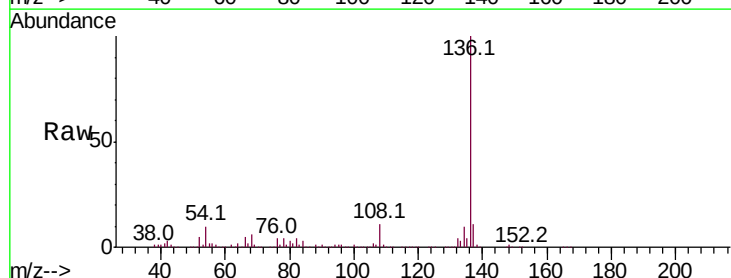
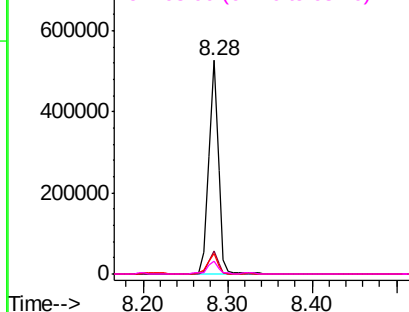
Delta R.T. -0.01 min

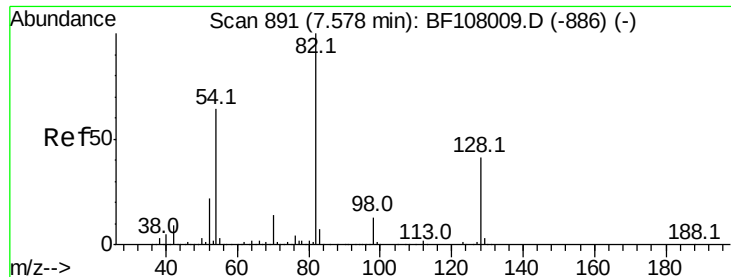
Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Tgt Ion:	136	Resp:	423363
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.8	6.6	9.8
68	6.0	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





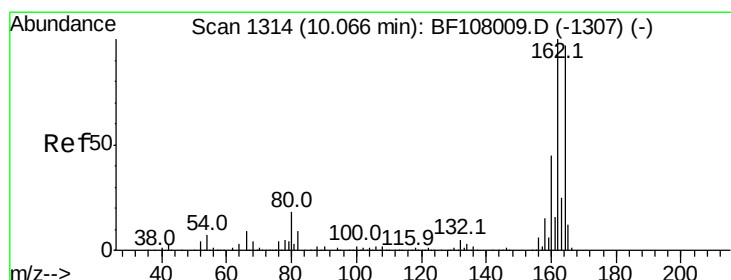
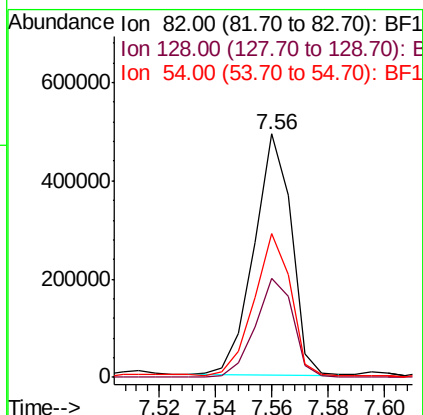
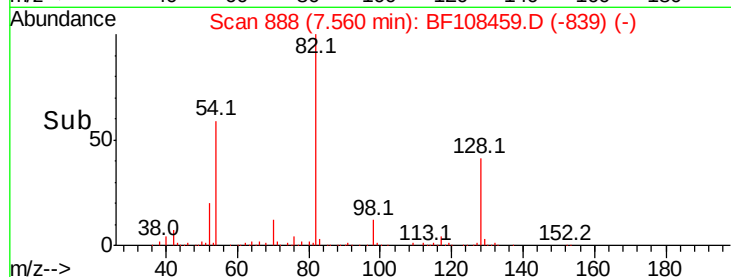
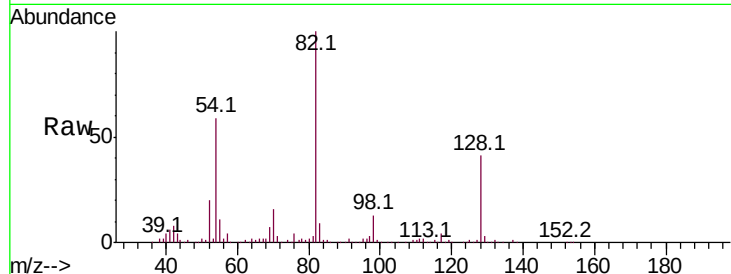
#23
 Nitrobenzene-d5
 Concen: 59.648 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tot Ion	82	Resp	452547
Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.1	54.1
54	59.3	41.4	62.2

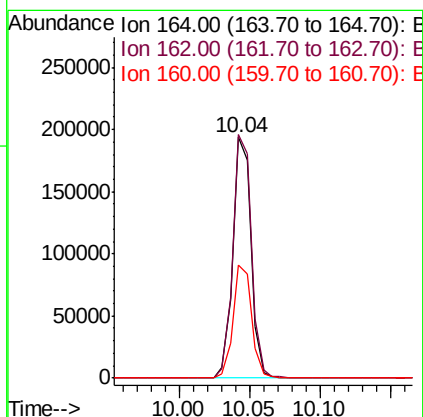
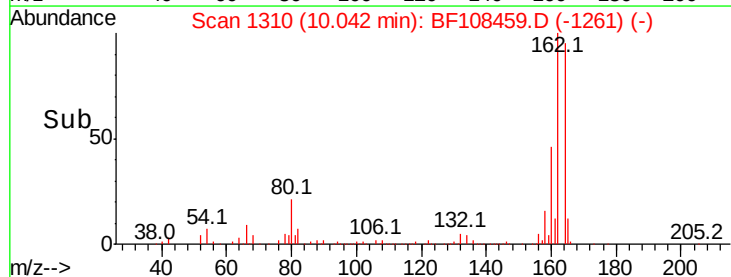
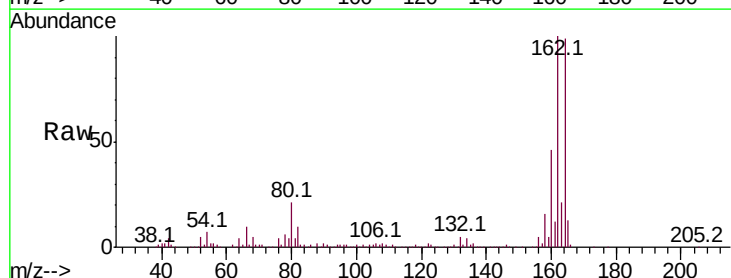
Manual Integrations
 APPROVED

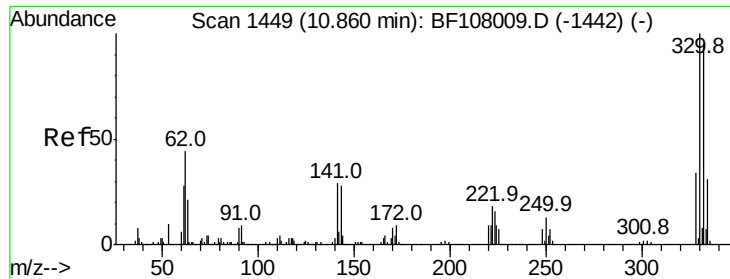
Sohil
 8/24/2018 12:14:39 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Tgt Ion	164	Resp	173723
Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	46.9	38.3	57.5





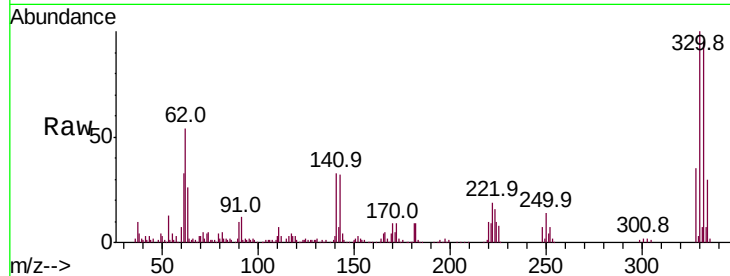
#41
 2,4,6-Tribromophenol
 Concen: 76.650 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

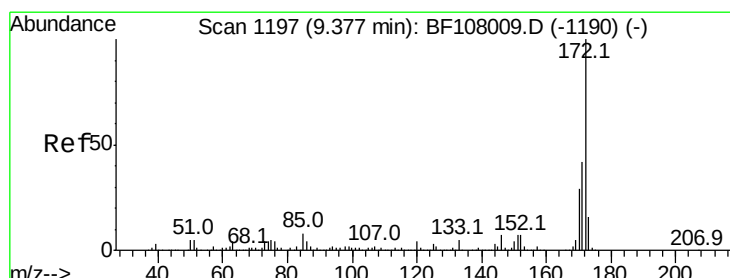
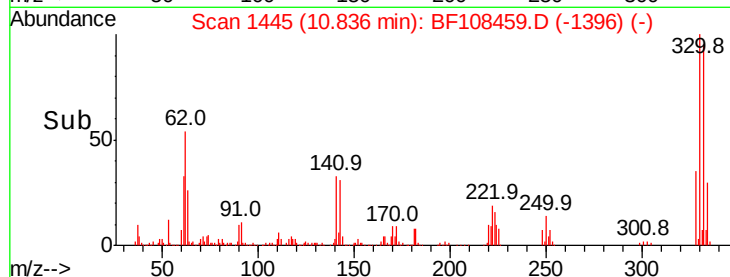
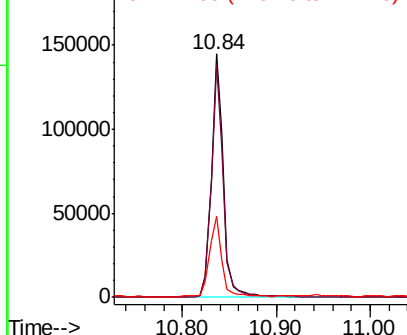
Tot Ion	330	Resp	132822
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.0	115.6
141	33.3	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 8/24/2018 12:14:39 PM

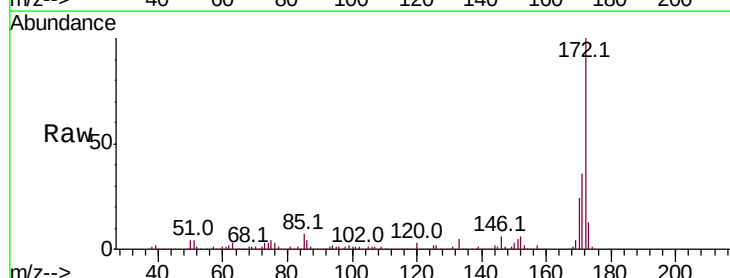


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

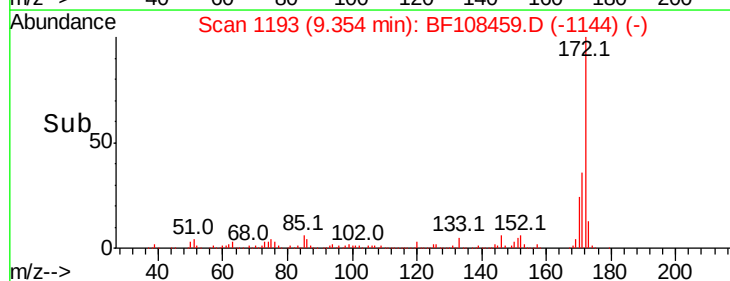
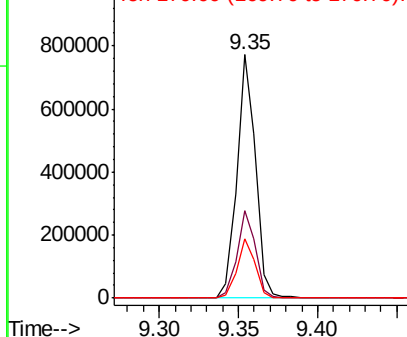


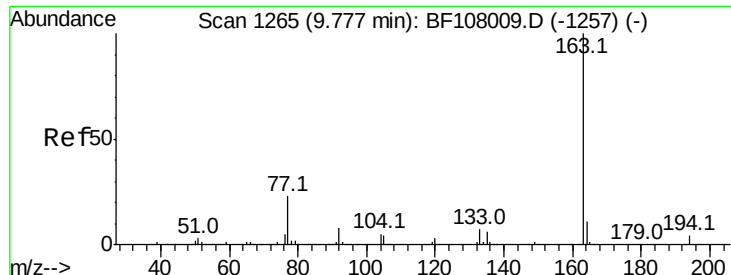
#44
 2-Fluorobiphenyl
 Concen: 58.005 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Tgt Ion	172	Resp	627650
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	24.1	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





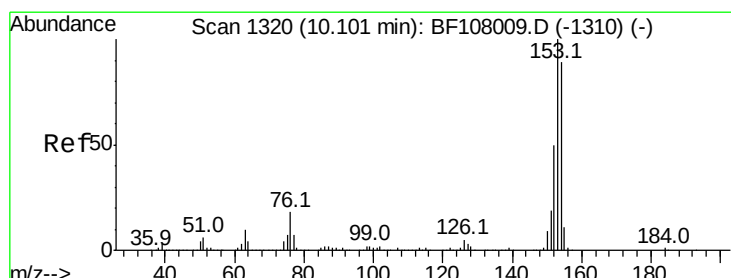
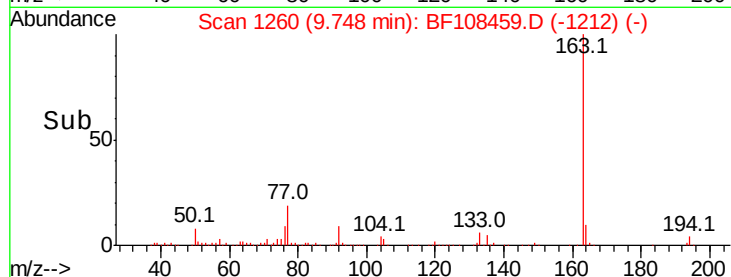
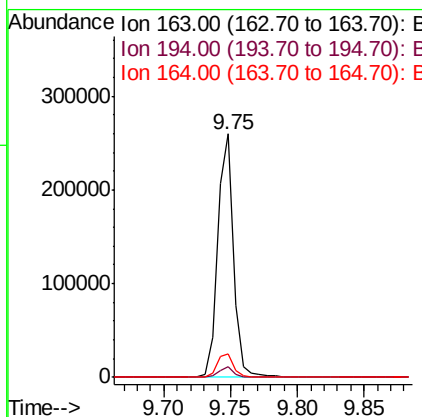
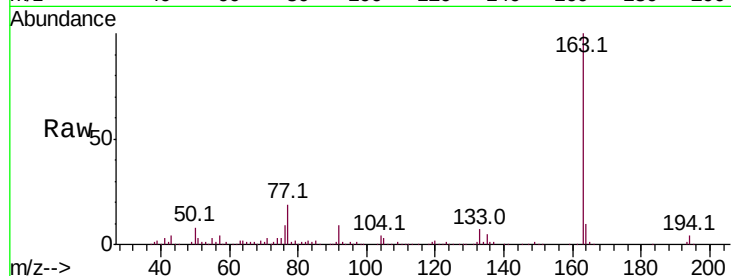
#49
Dimethylphthalate
Concen: 18.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	9.5	8.2	12.2	

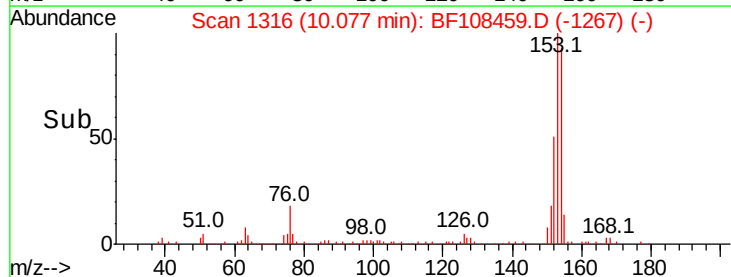
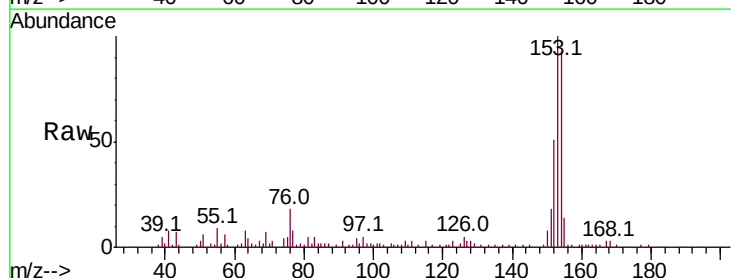
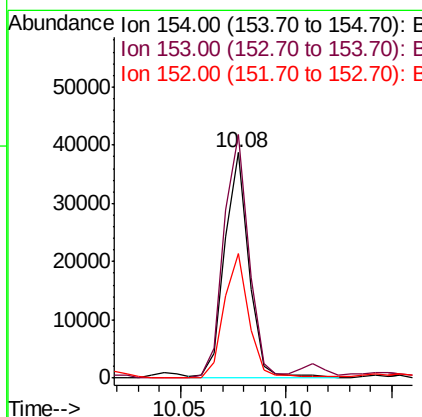
Manual Integrations
APPROVED

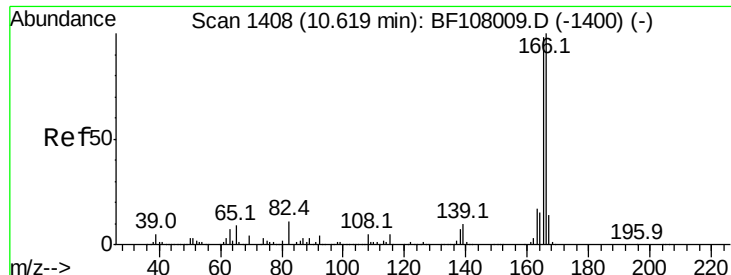
Sohil
8/24/2018 12:14:39 PM



#51
Acenaphthene
Concen: 3.148 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	108.0	91.2	136.8	
152	55.5	43.8	65.8	





#57

Fluorene

Concen: 3.724 ng

RT: 10.60 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Instrument :

BNA_F

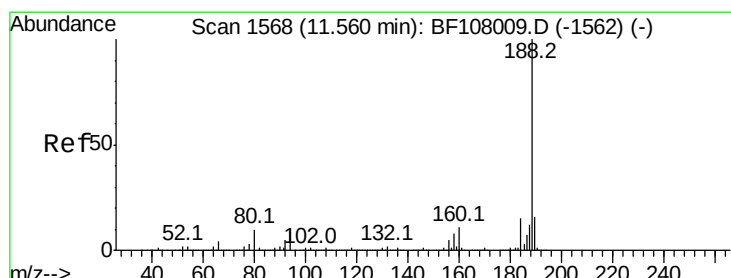
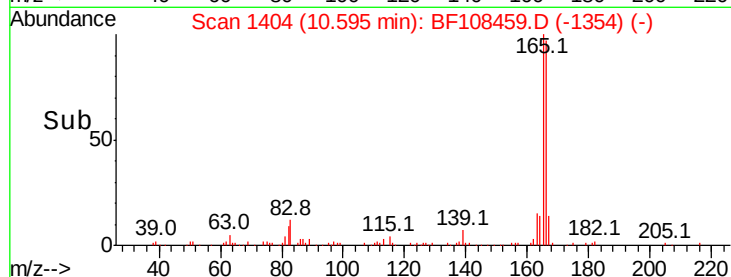
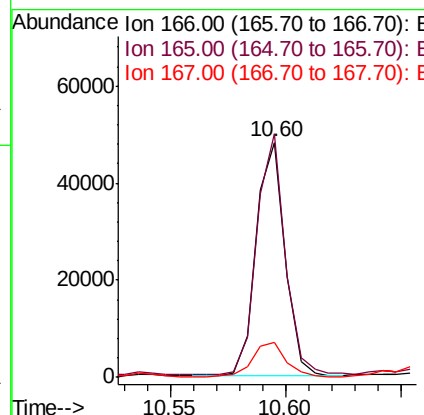
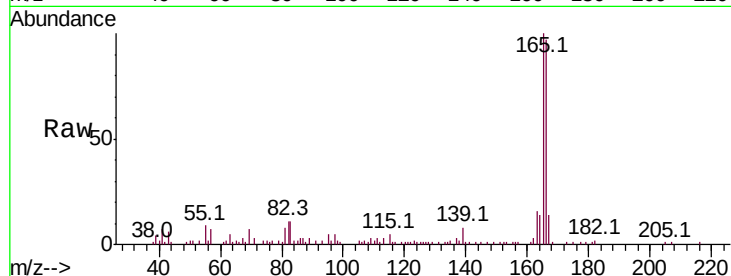
ClientSampleId :

RA-081718-WSW-20-049

Tot Ion:	166	Resp:	41863
Ion Ratio	Lower	Upper	
166	100		
165	103.6	79.8	119.8
167	15.0	10.6	16.0

Manual Integrations
APPROVED

Sohil
8/24/2018 12:14:39 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

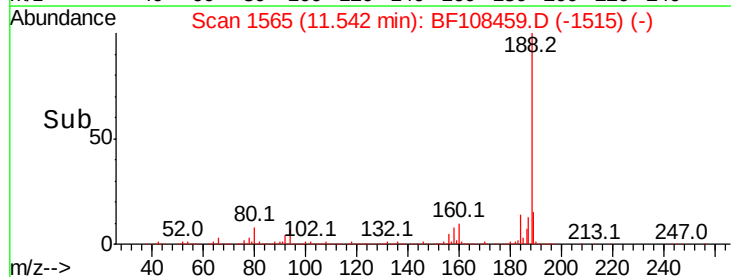
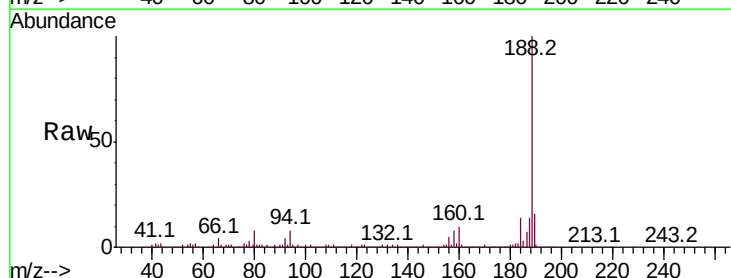
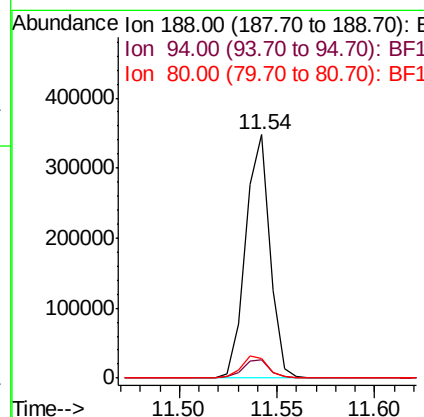
RT: 11.54 min Scan# 1565

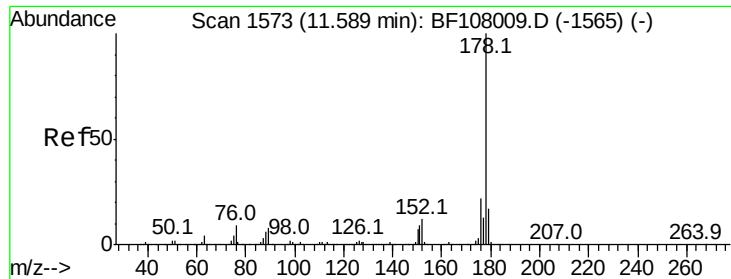
Delta R.T. -0.01 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Tgt Ion:	188	Resp:	300392
Ion Ratio	Lower	Upper	
188	100		
94	7.6	8.5	12.7#
80	8.0	9.2	13.8#





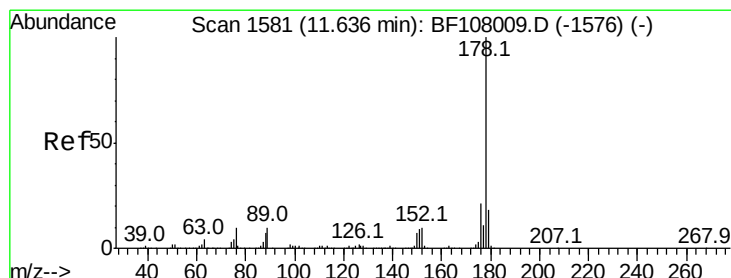
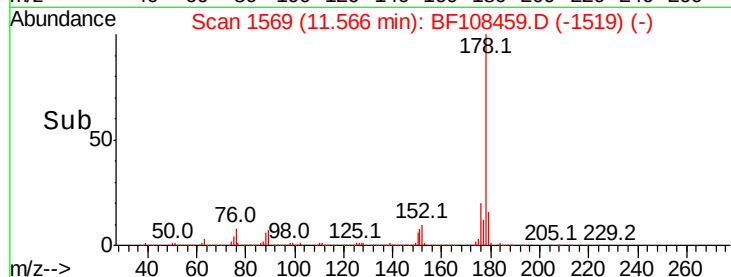
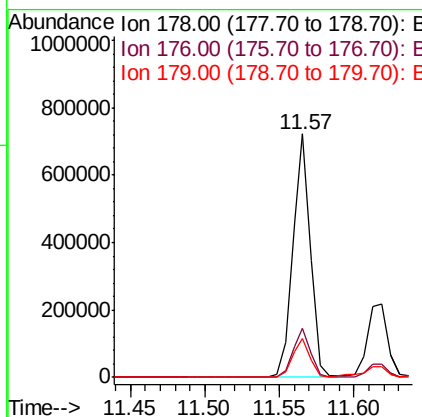
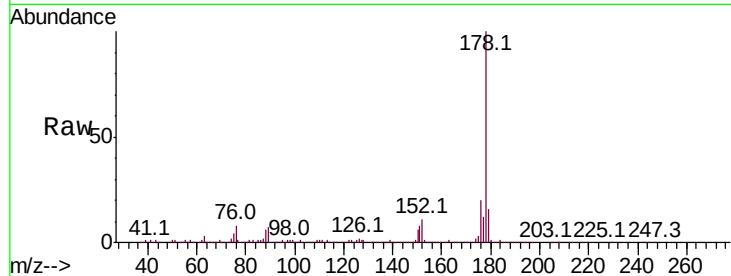
#70
Phenanthrene
Concen: 42.028 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.2	13.0	19.6

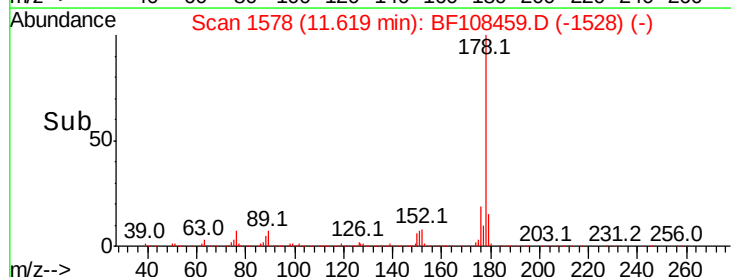
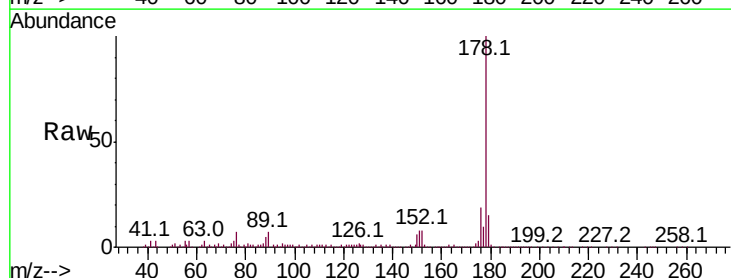
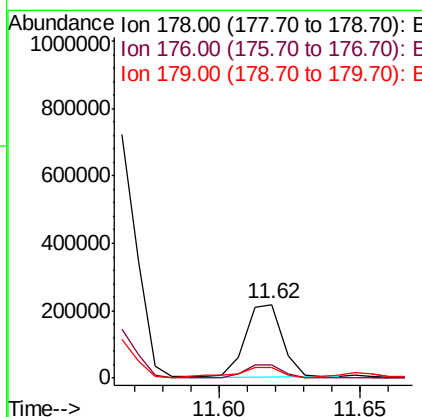
Manual Integrations
APPROVED

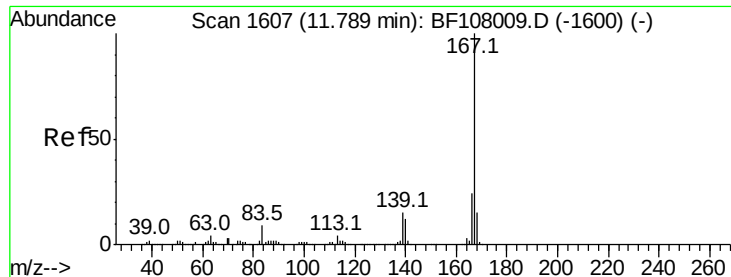
Sohil
8/24/2018 12:14:39 PM



#71
Anthracene
Concen: 13.500 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 3.191 ng

RT: 11.77 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Instrument :

BNA_F

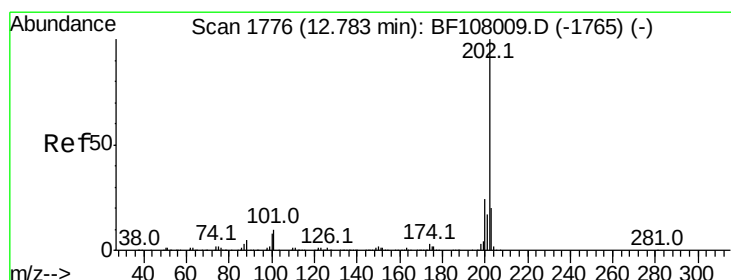
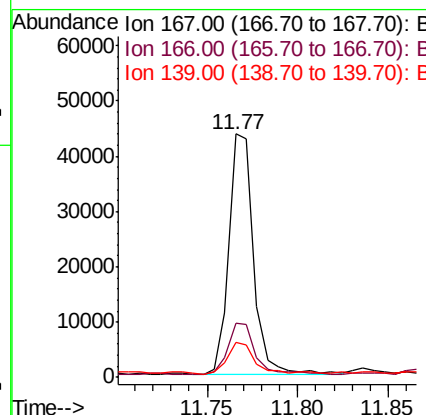
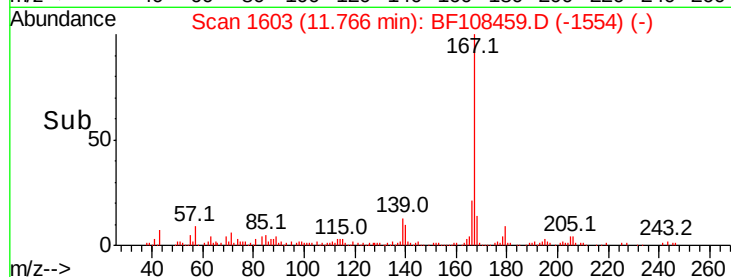
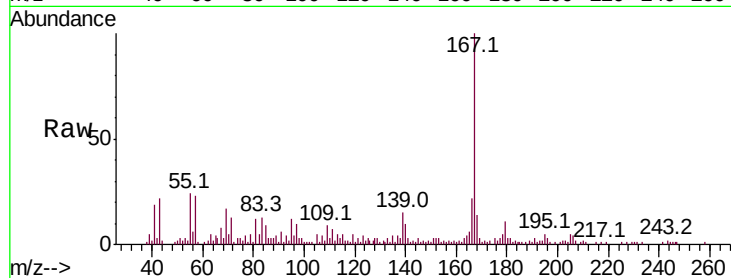
ClientSampleId :

RA-081718-WSW-20-049

Tot Ion:	167	Resp:	41175
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	14.6	10.9	16.3

Manual Integrations
APPROVED

Sohil
8/24/2018 12:14:39 PM



#74

Fluoranthene

Concen: 77.311 ng

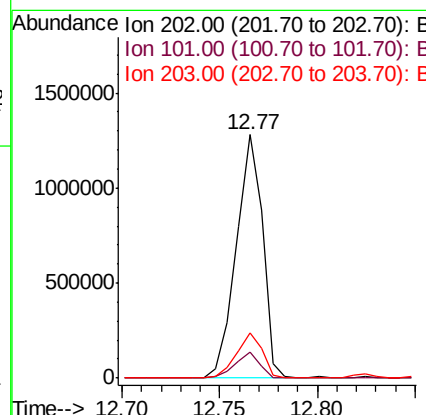
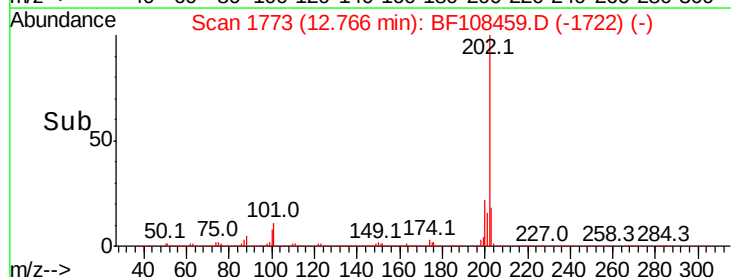
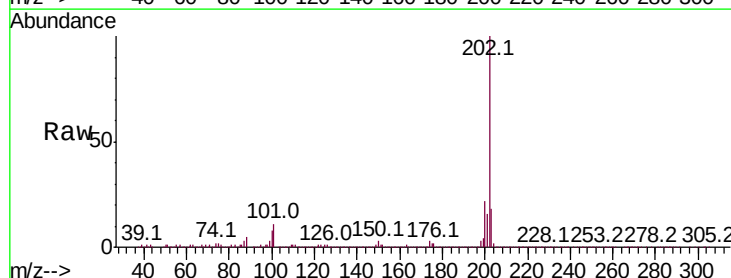
RT: 12.77 min Scan# 1773

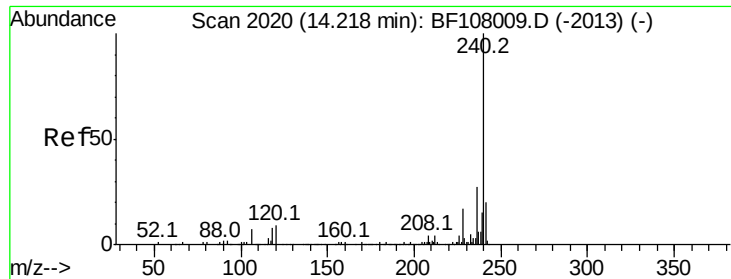
Delta R.T. -0.00 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Tgt Ion:	202	Resp:	1195475
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Instrument :

BNA_F

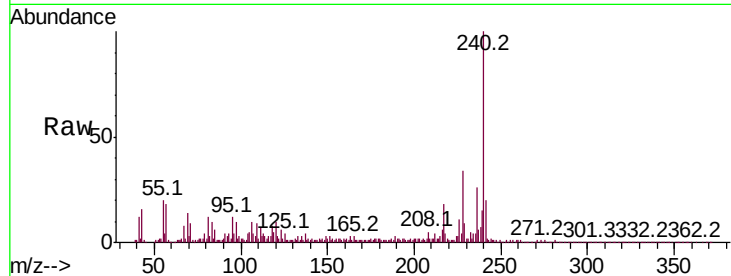
ClientSampleId :

RA-081718-WSW-20-049

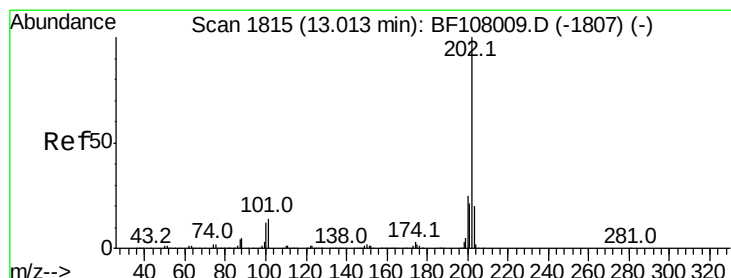
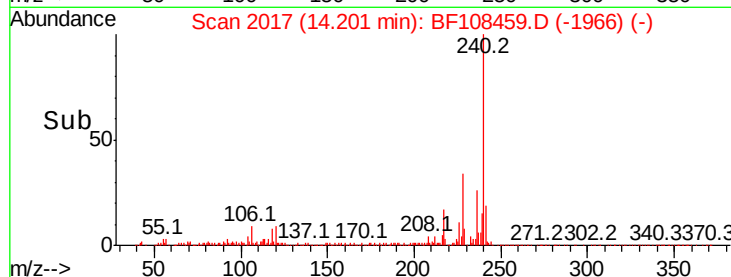
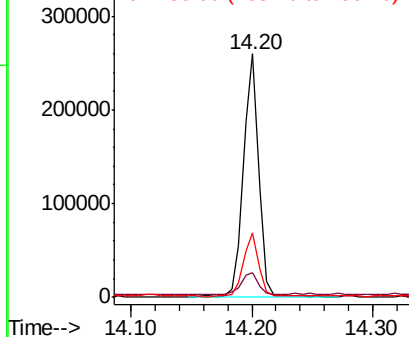
Tot Ion:	240	Resp:	226566
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
APPROVED

Sohil
8/24/2018 12:14:39 PM



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: 72.503 ng

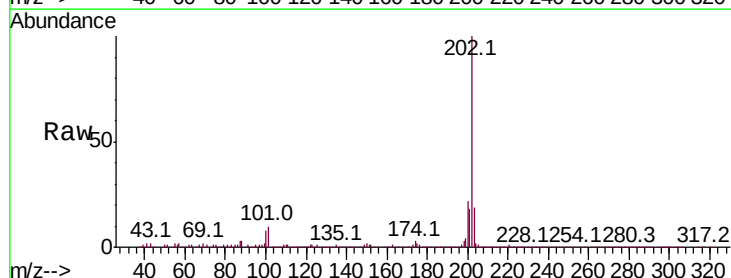
RT: 13.00 min Scan# 1813

Delta R.T. -0.00 min

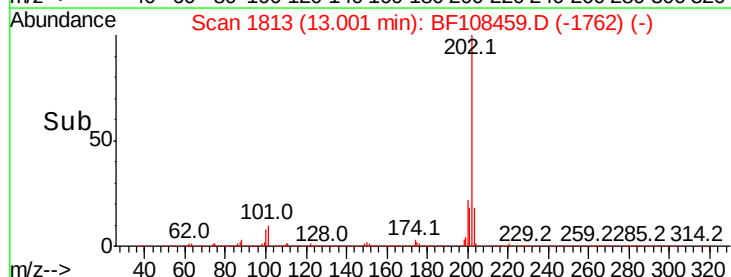
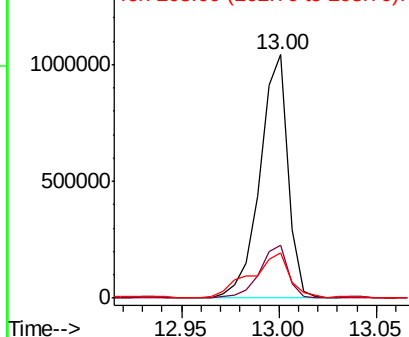
Lab File: BF108459.D

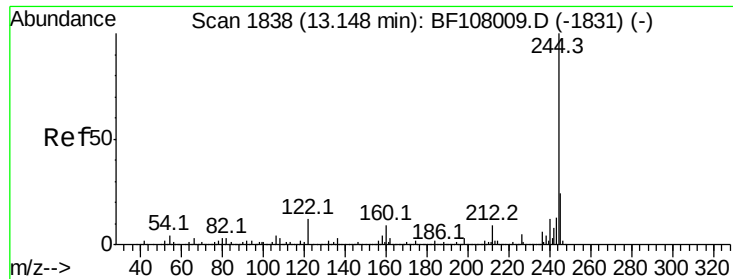
Acq: 24 Aug 2018 9:33

Tgt Ion:	202	Resp:	1039988
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.6	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





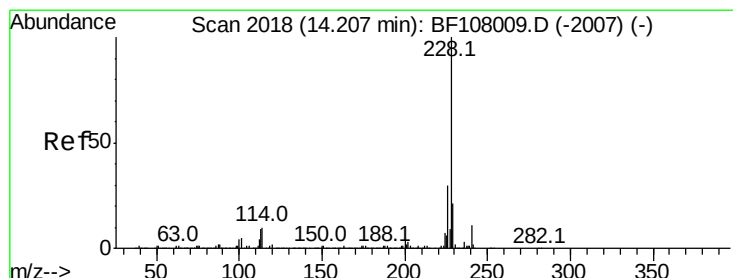
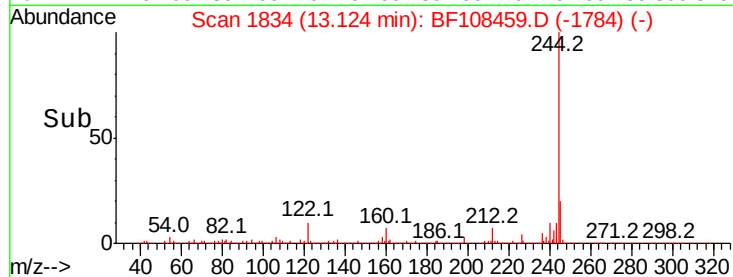
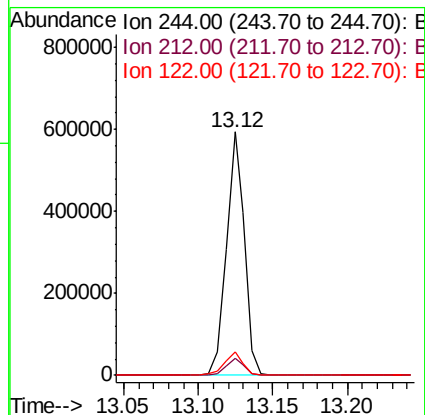
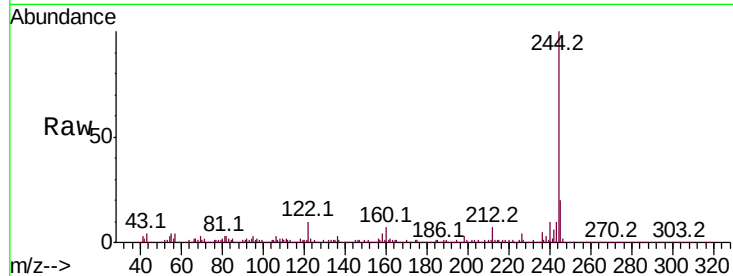
#78
 Terphenyl-d14
 Concen: 56.518 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tot Ion:	244	Resp:	503630
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	9.8	11.0	16.4

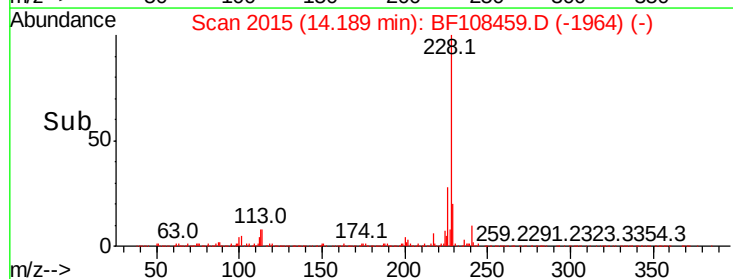
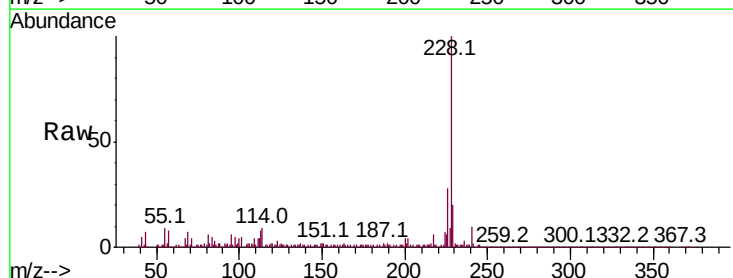
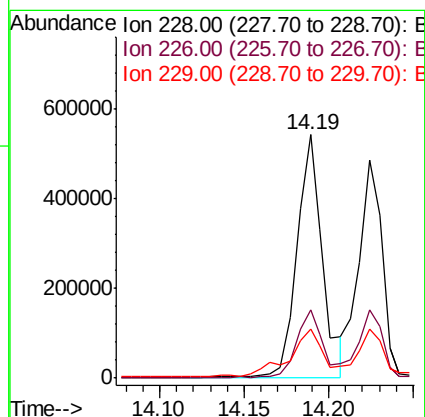
Manual Integrations
 APPROVED

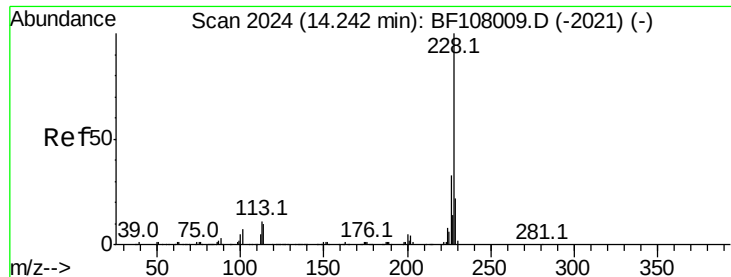
Sohil
 8/24/2018 12:14:39 PM



#80
 Benzo(a)anthracene
 Concen: 43.574 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Tgt Ion:	228	Resp:	566570
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	33.8
229	20.3	15.8	23.6





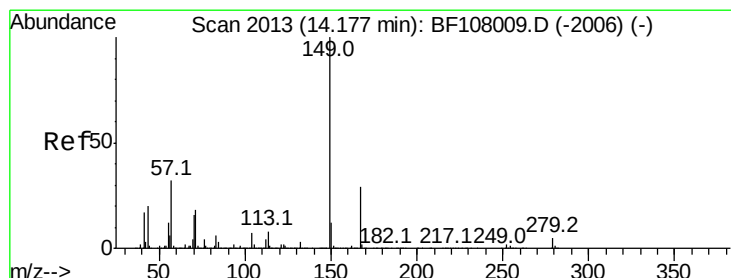
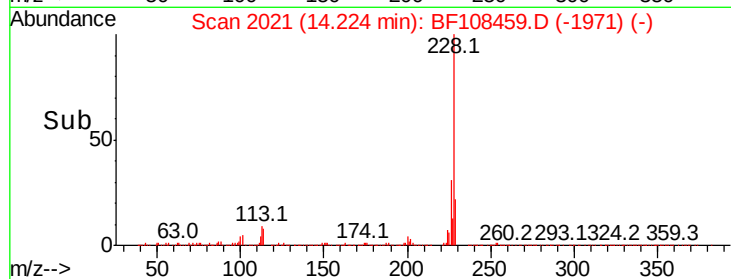
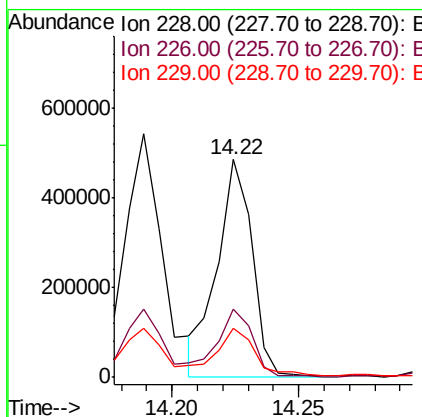
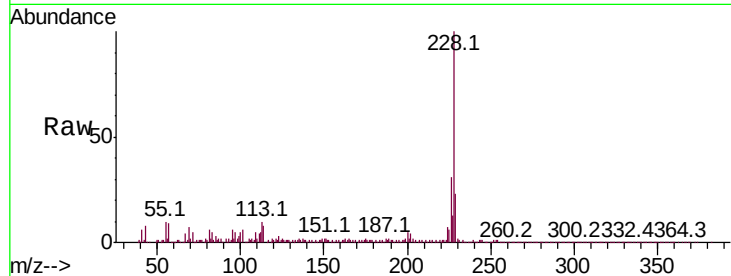
#82
Chrysene
Concen: 38.869 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.6	16.2	24.4

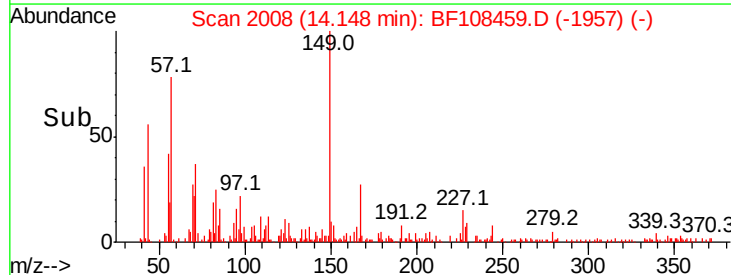
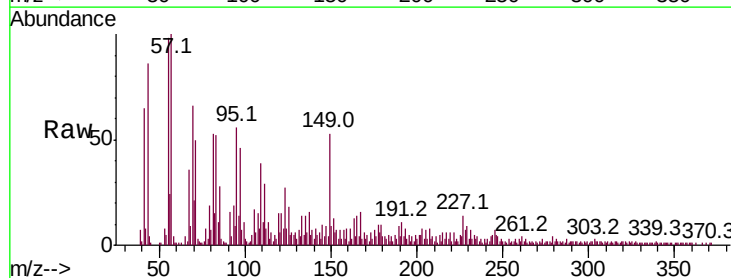
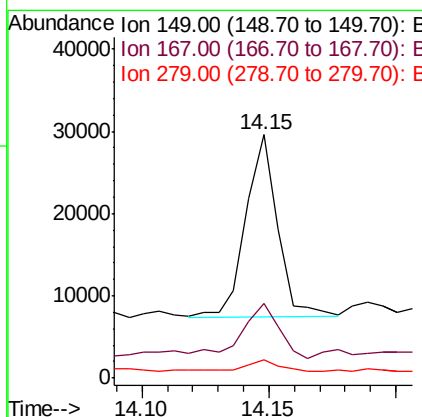
Manual Integrations
APPROVED

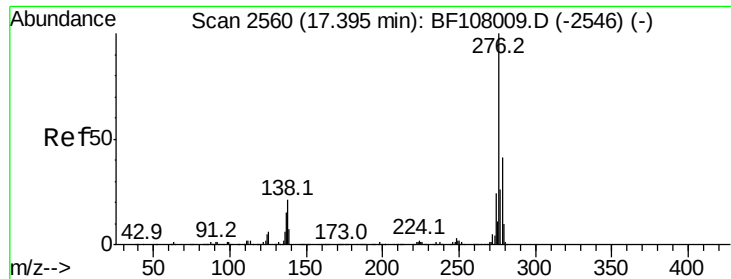
Sohil
8/24/2018 12:14:39 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.507 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.5	21.3	31.9
279	7.3	3.0	4.4#





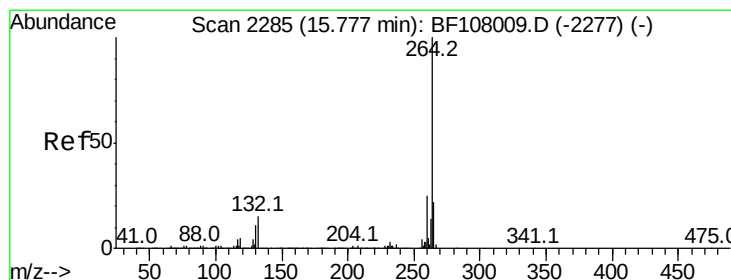
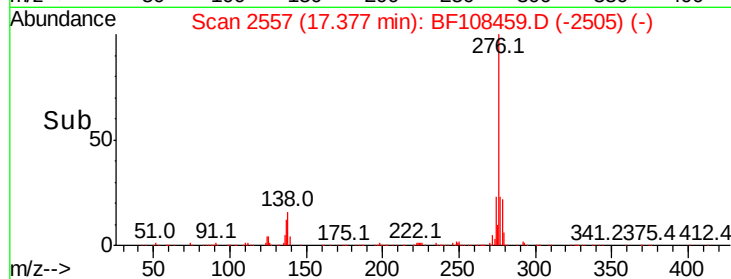
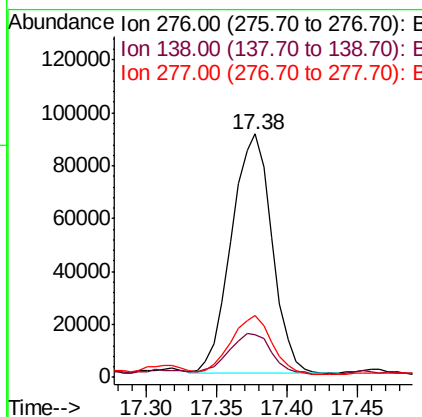
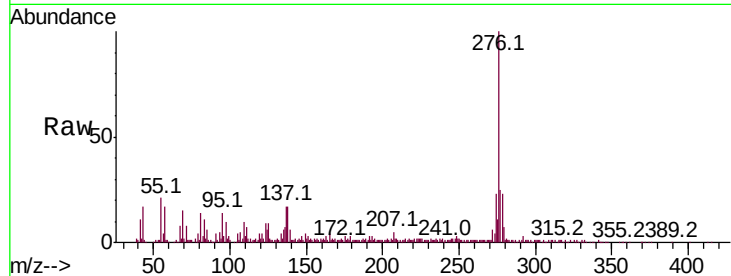
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.588 ng
 RT: 17.38 min Scan# 2557
 Delta R.T. 0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	25.0	37.6#
277	25.0	20.1	30.1

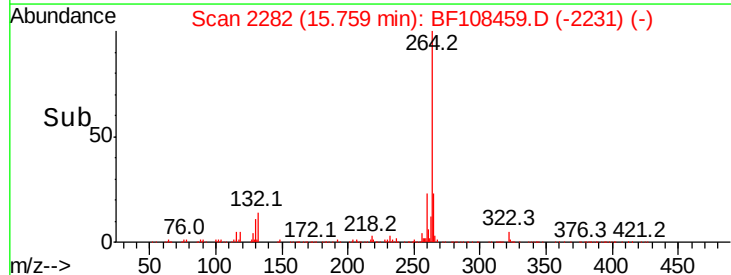
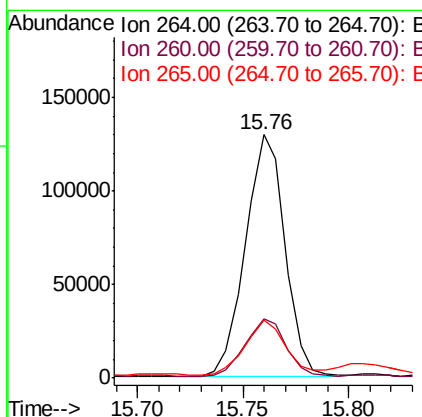
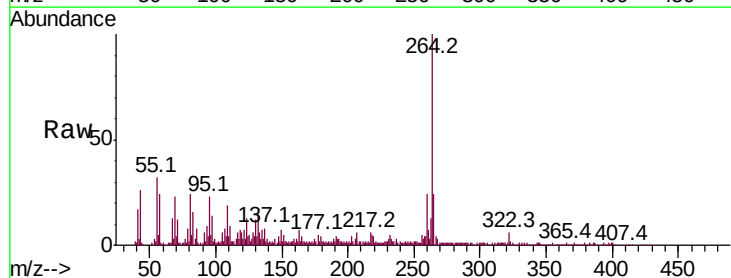
Manual Integrations
 APPROVED

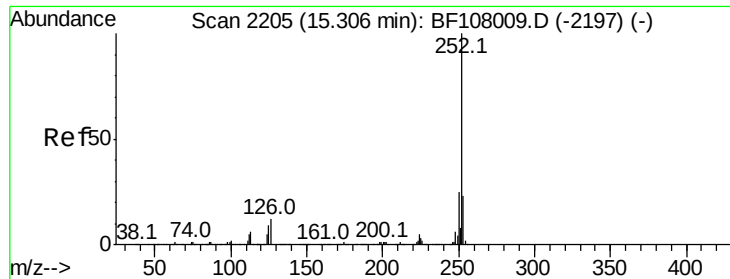
Sohil
 8/24/2018 12:14:39 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 50.695 ng m

RT: 15.29 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Instrument :

BNA_F

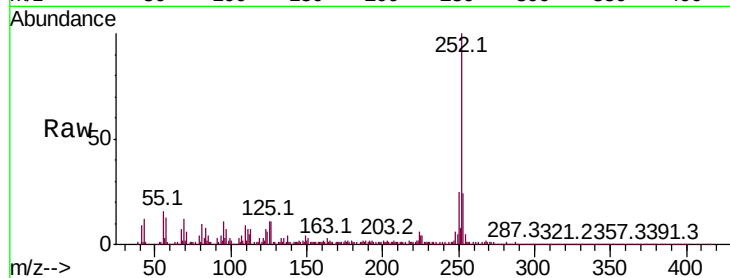
ClientSampleId :

RA-081718-WSW-20-049

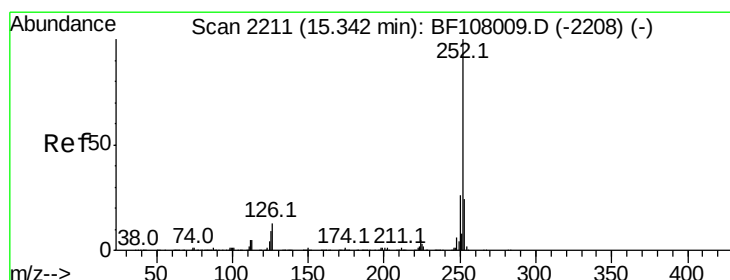
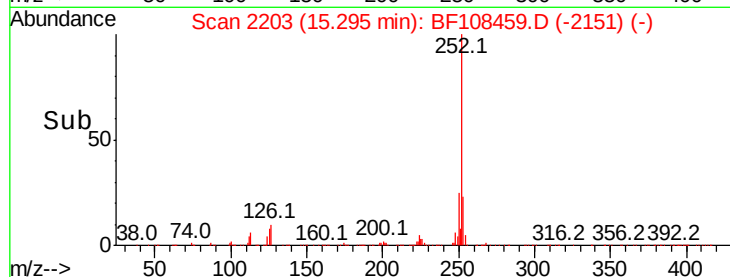
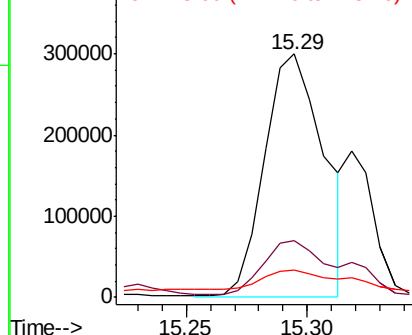
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	11.1	9.0	13.6

Manual Integrations
APPROVED

Sohil
8/24/2018 12:14:39 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: 16.332 ng m

RT: 15.32 min Scan# 2207

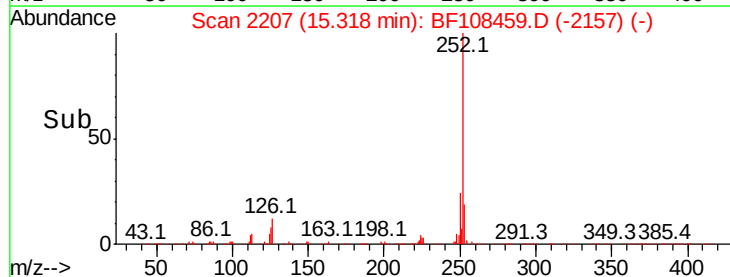
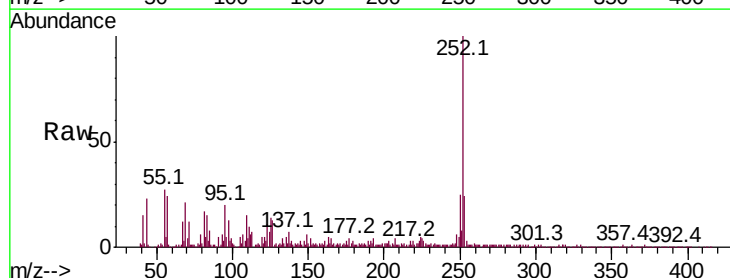
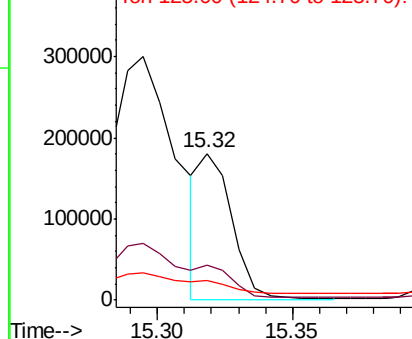
Delta R.T. -0.01 min

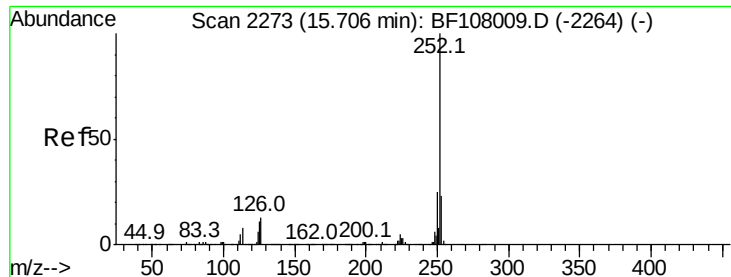
Lab File: BF108459.D

Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.7	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





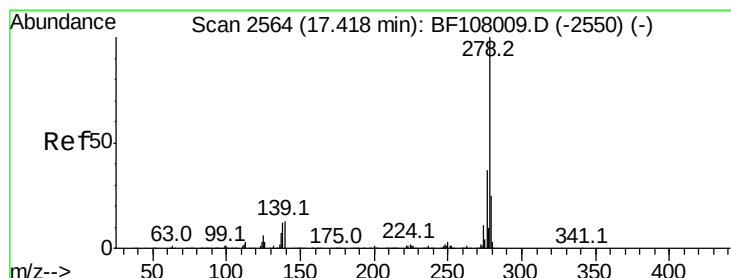
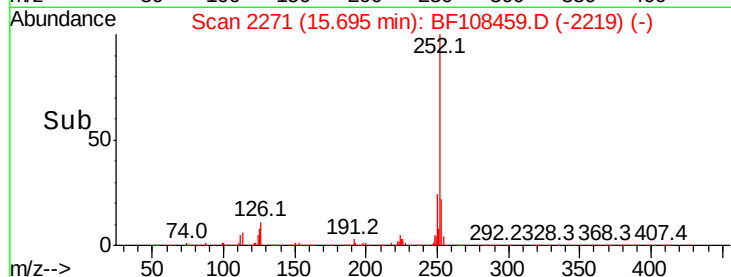
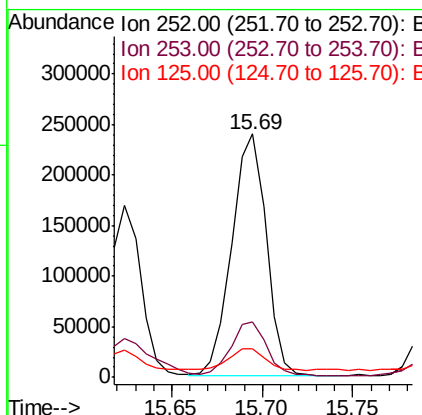
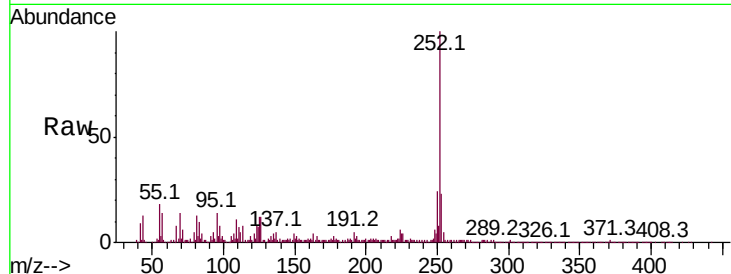
#89
Benzo(a)pyrene
Concen: 35.423 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.9	9.8	14.6

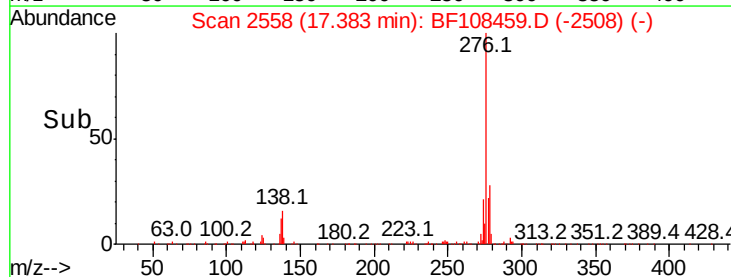
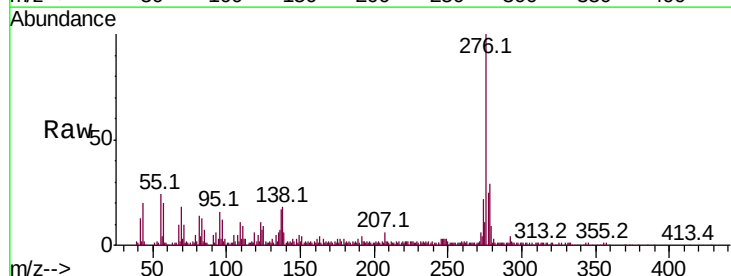
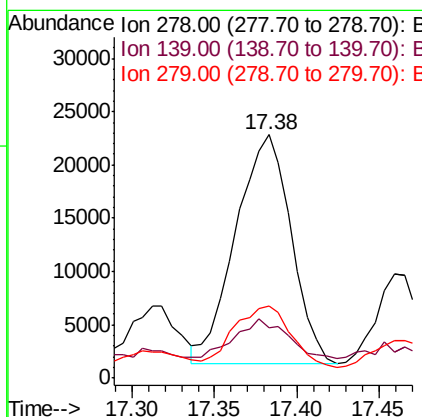
Manual Integrations
APPROVED

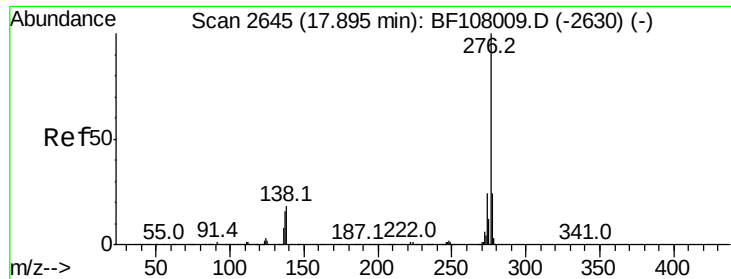
Sohil
8/24/2018 12:14:39 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.766 ng m
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108459.D
Acq: 24 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.9	23.9
279	29.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 23.915 ng
 RT: 17.87 min Scan# 2641
 Delta R.T. 0.01 min
 Lab File: BF108459.D
 Acq: 24 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	17.6	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/24/2018 12:14:39 PM

