

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
 Data File : BF109348.D
 Acq On : 26 Sep 2018 20:22
 Operator : JU/SJ
 Sample : J4773-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-C

Manual Integrations
 APPROVED

Sohil
 9/27/2018 1:31:33 PM

Quant Time: Sep 27 09:37:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	95469	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	330595	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	128260	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	226805	20.00	ng	0.00
75) Chrysene-d12	13.84	240	256312	20.00	ng	0.00
86) Perylene-d12	15.24	264	200444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	412463	71.16	ng	0.00
7) Phenol-d6	6.35	99	509109	68.83	ng	-0.01
23) Nitrobenzene-d5	7.26	82	307203	54.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	96005	75.93	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	508882	59.84	ng	-0.01
78) Terphenyl-d14	12.80	244	497736	47.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	160017	17.153	ng	98
70) Phenanthrene	11.24	178	95129	8.400	ng	97
71) Anthracene	11.29	178	31571	2.749	ng	98
74) Fluoranthene	12.42	202	181329	14.983	ng	94
77) Pyrene	12.64	202	184200	10.028	ng	99
80) Benzo(a)anthracene	13.83	228	95073	6.158	ng	97
82) Chrysene	13.86	228	86309	5.640	ng	96
87) Benzo(b)fluoranthene	14.85	252	77543m	7.040	ng	
88) Benzo(k)fluoranthene	14.87	252	25507m	2.440	ng	
89) Benzo(a)pyrene	15.19	252	55742	5.616	ng	96
91) Benzo(g,h,i)perylene	16.99	276	24730	3.090	ng	91

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

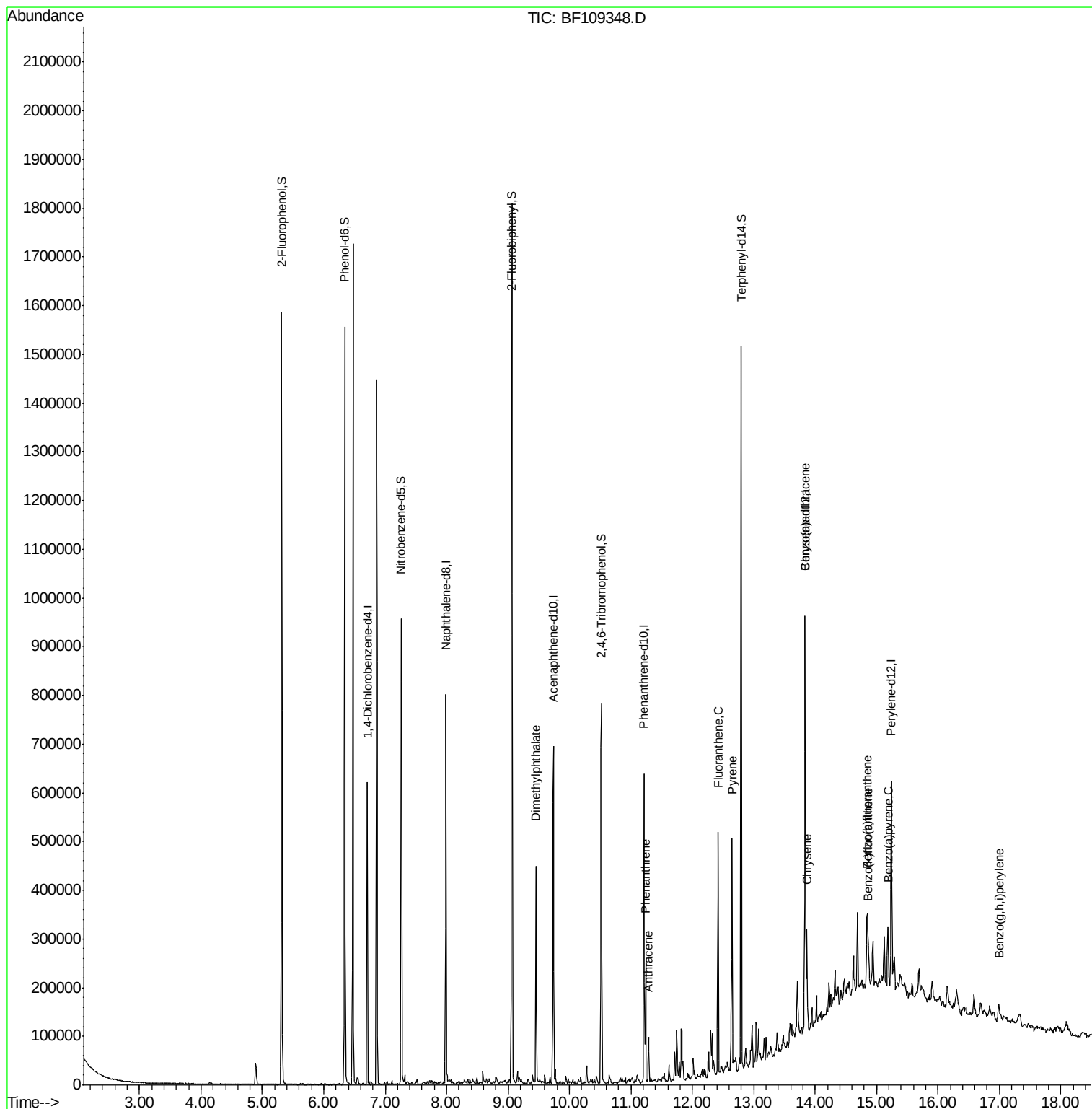
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109348.D
Acq On : 26 Sep 2018 20:22
Operator : JU/SJ
Sample : J4773-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

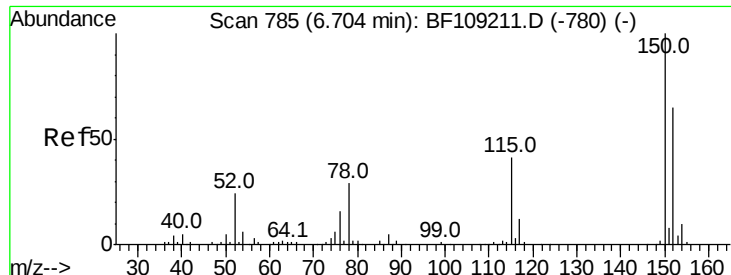
Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Manual Integrations
APPROVED

Sohil
9/27/2018 1:31:33 PM

Quant Time: Sep 27 09:37:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration





#1

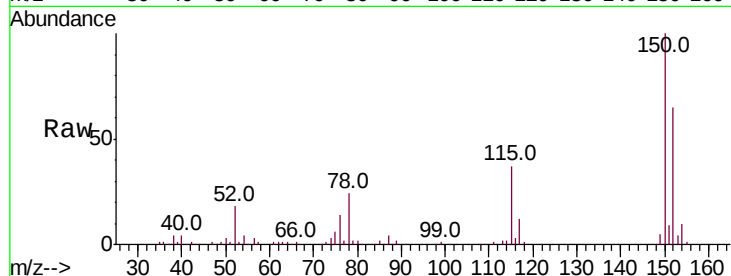
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	57.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/27/2018 1:31:33 PM

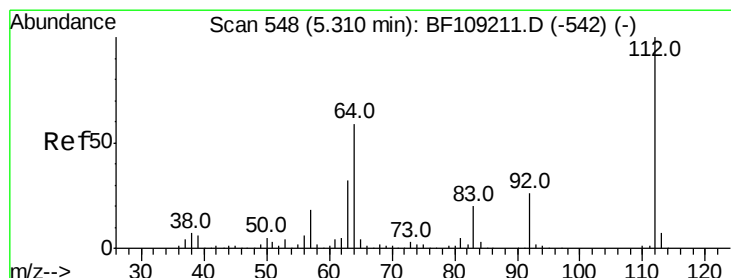
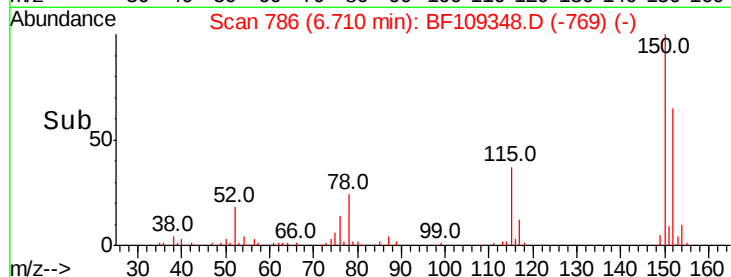
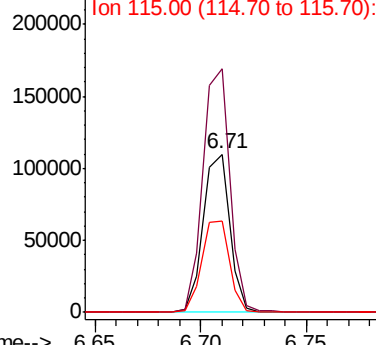


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

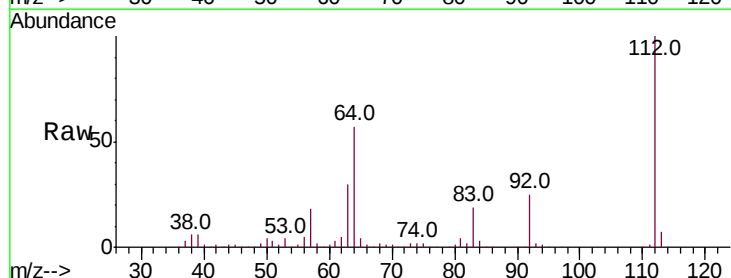
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 71.160 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	29.9	23.7	35.5

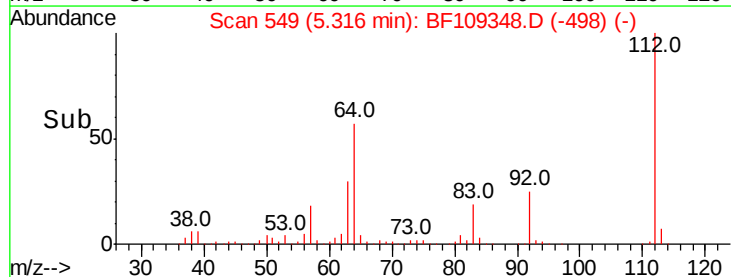
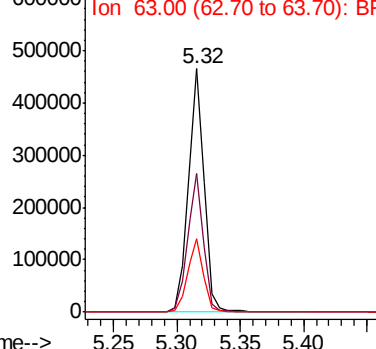


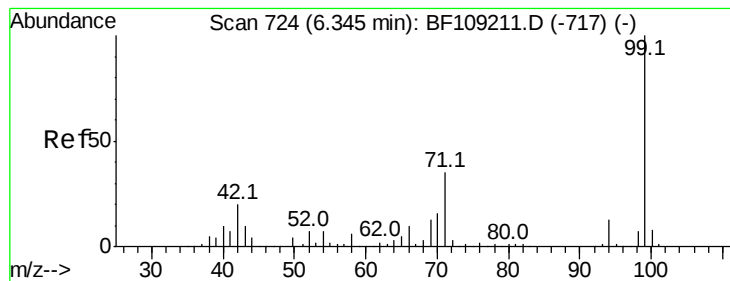
Abundance

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: 68.833 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

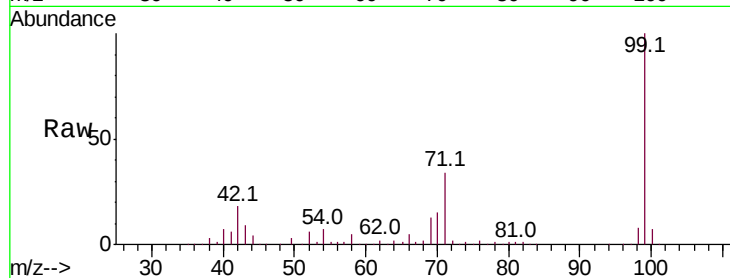
ClientSampleId :

CL-02-092518-C

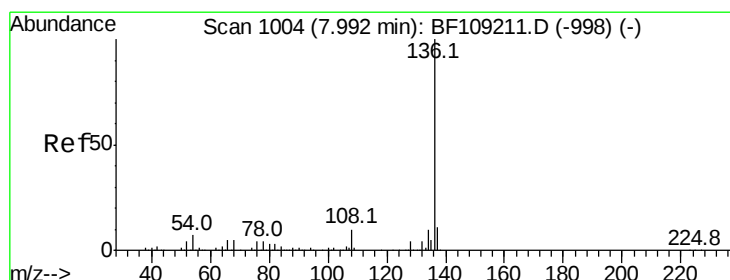
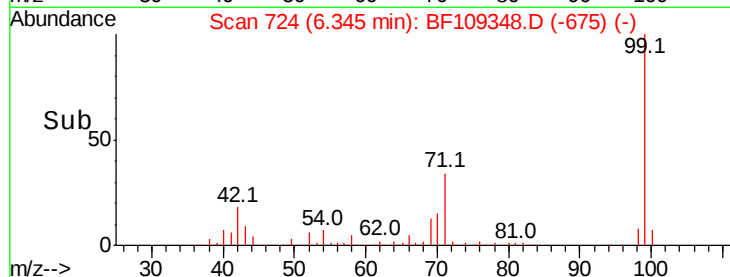
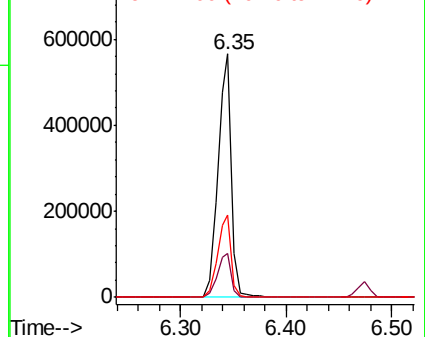
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		509109		
42	17.8	14.5	21.7		
71	33.8	25.4	38.0		

Manual Integrations
APPROVED

Sohil
9/27/2018 1:31:33 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: 7.99 min Scan# 1003

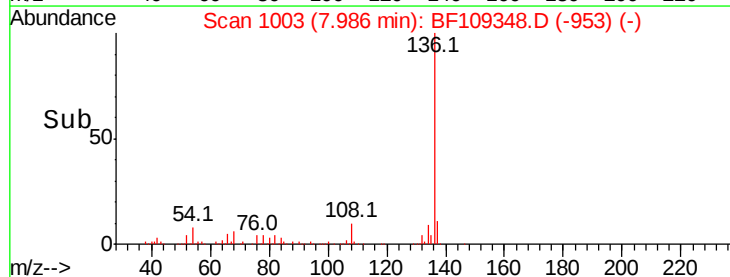
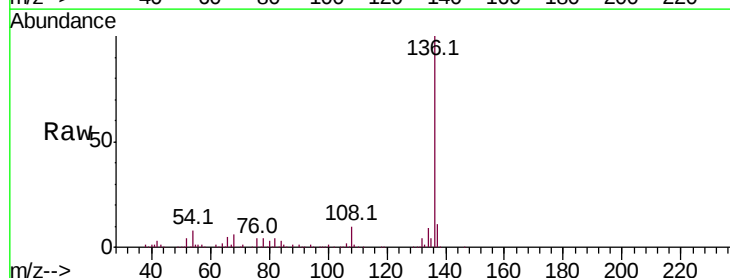
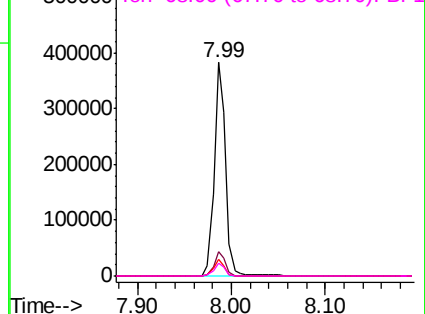
Delta R.T. -0.01 min

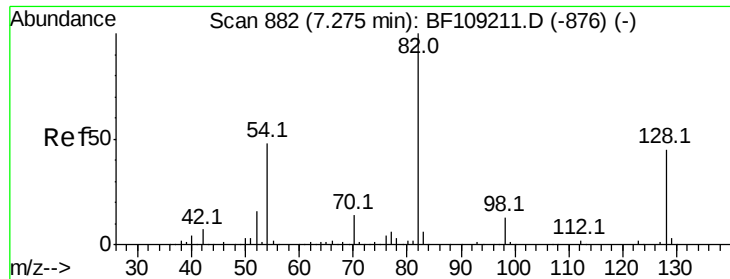
Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		330595		
137	11.3	8.9	13.3		
54	7.5	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





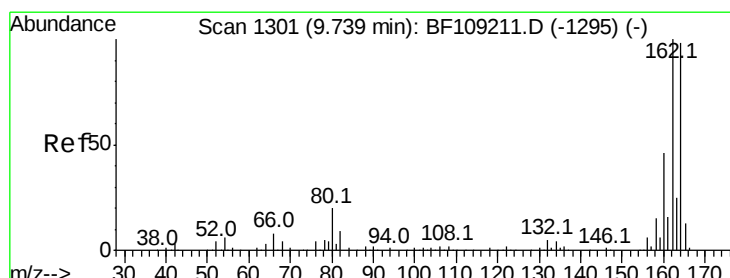
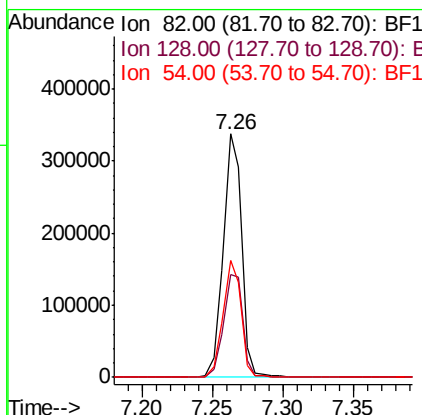
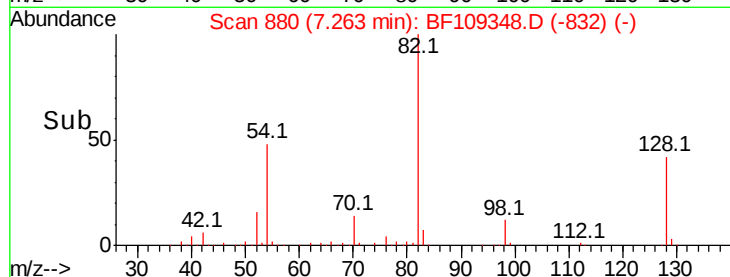
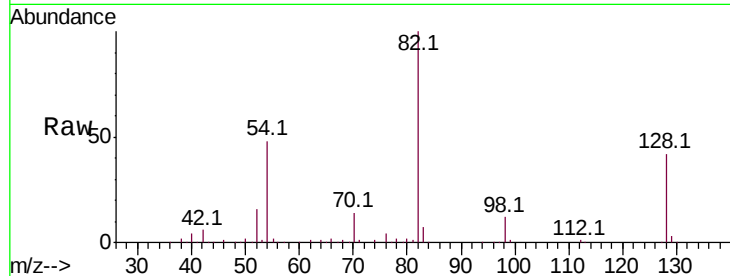
#23
Nitrobenzene-d5
Concen: 54.855 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	36.1	54.1	
54	48.0	41.4	62.2	

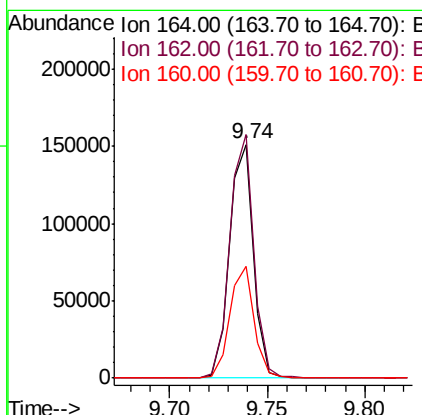
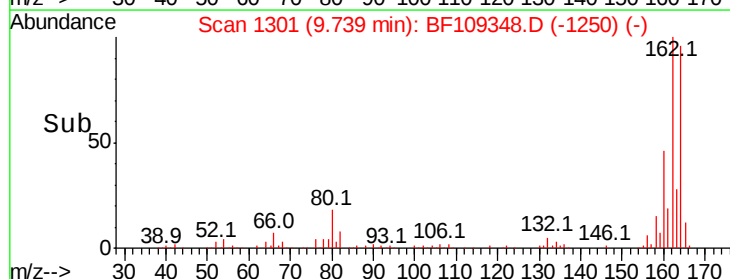
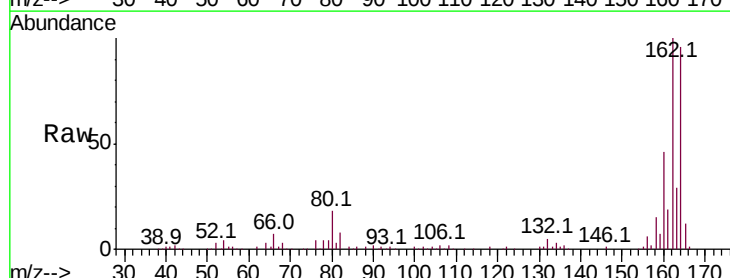
Manual Integrations
APPROVED

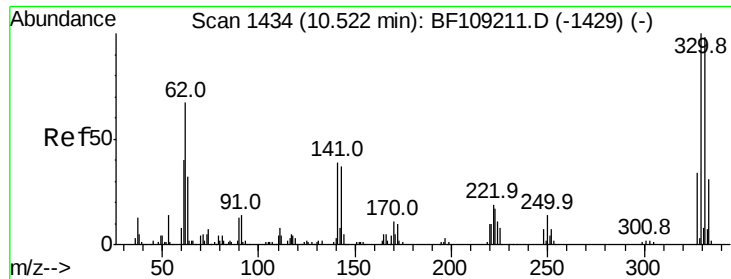
Sohil
9/27/2018 1:31:33 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	86.1	129.1	
160	47.9	38.3	57.5	





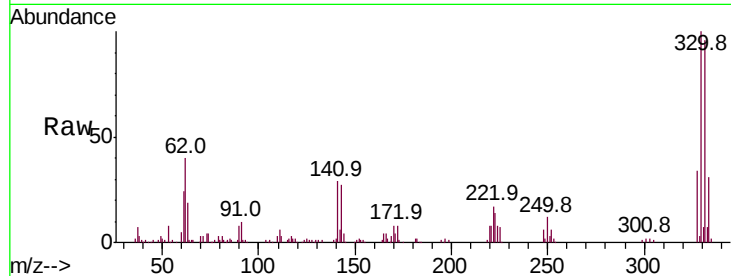
#41
 2,4,6-Tribromophenol
 Concen: 75.931 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.0	115.6	
141	32.2	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 9/27/2018 1:31:33 PM

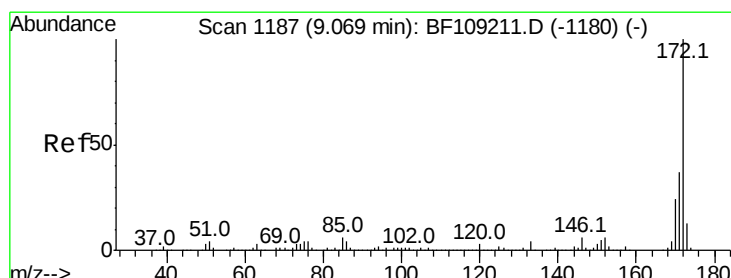
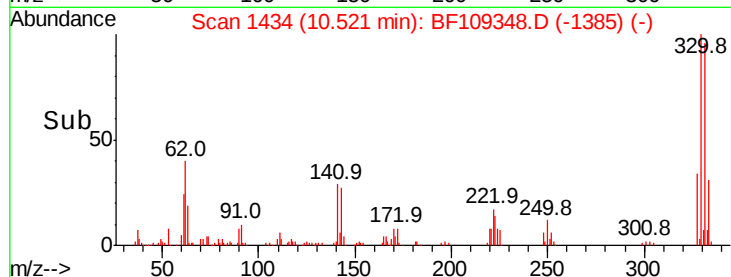
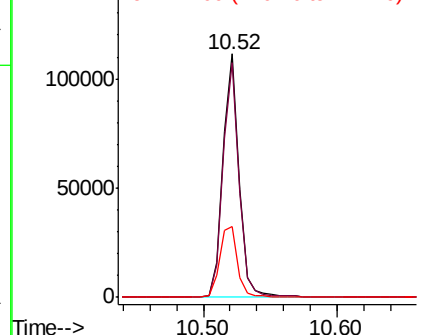


Abundance

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: 59.839 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

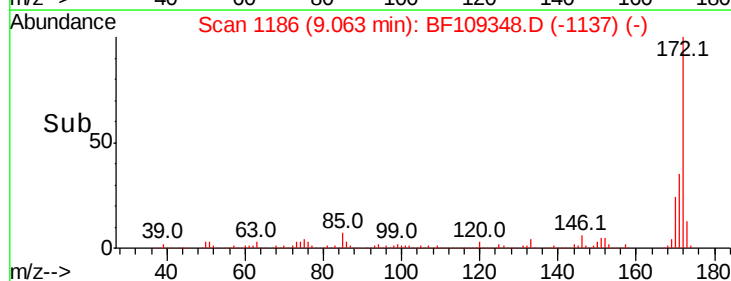
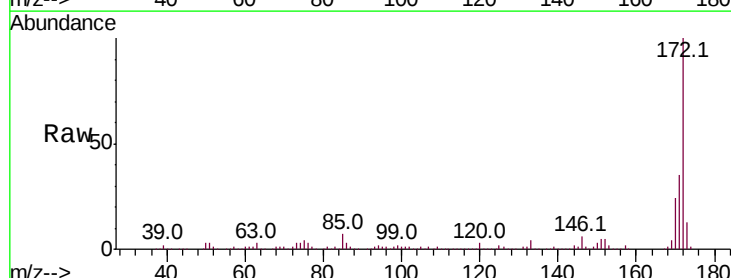
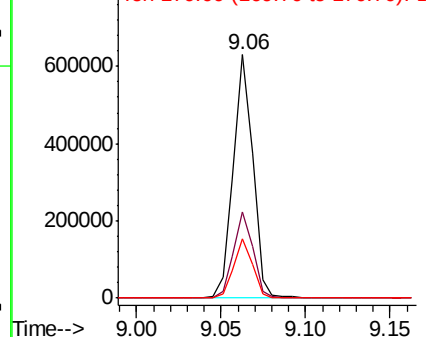
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.7	44.5	
170	24.1	19.6	29.4	

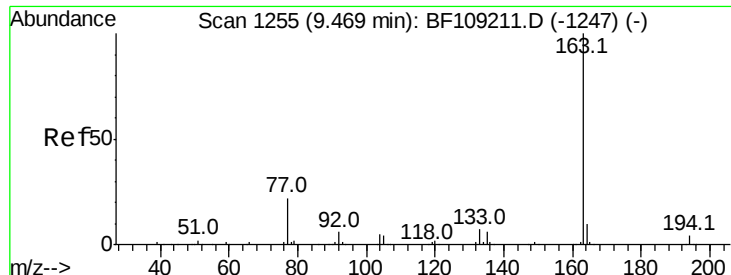
Abundance

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





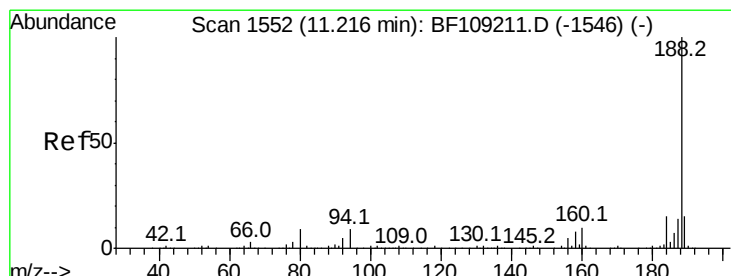
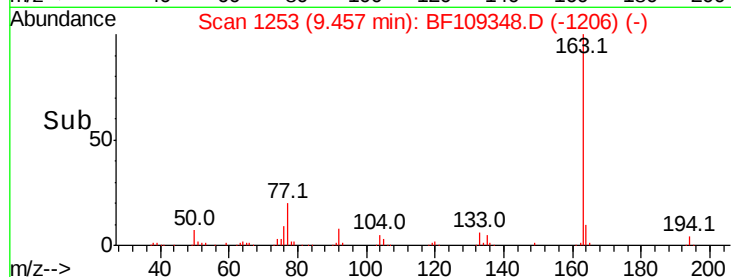
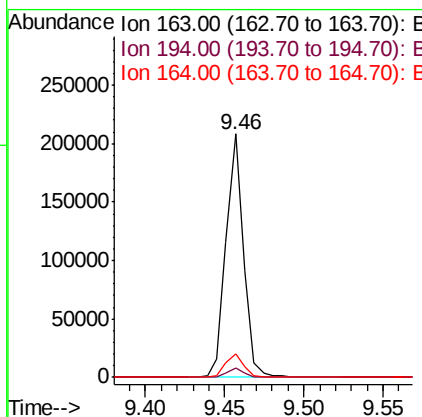
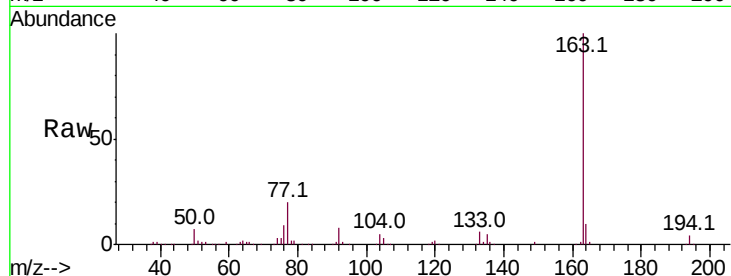
#49
Dimethylphthalate
Concen: 17.153 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	160017		
194	4.0	2.7	4.1	
164	9.6	8.2	12.2	

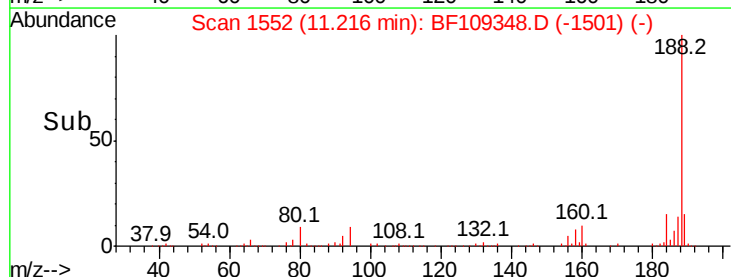
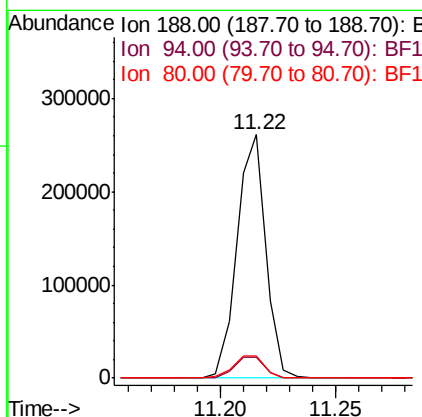
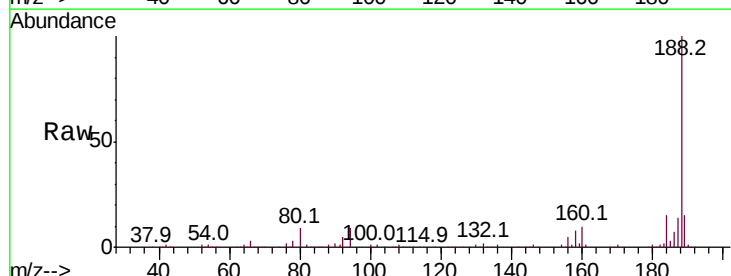
Manual Integrations
APPROVED

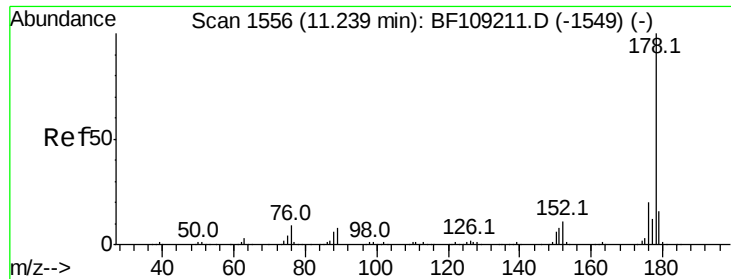
Sohil
9/27/2018 1:31:33 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	226805		
94	8.8	8.5	12.7	
80	8.9	9.2	13.8	





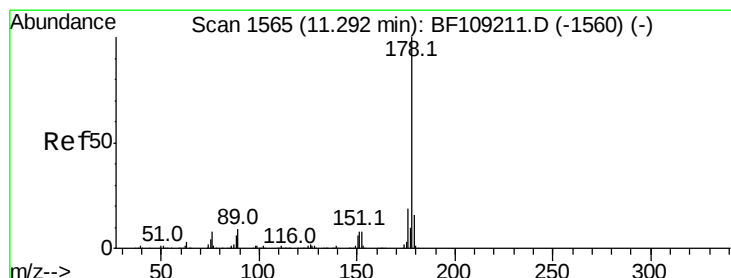
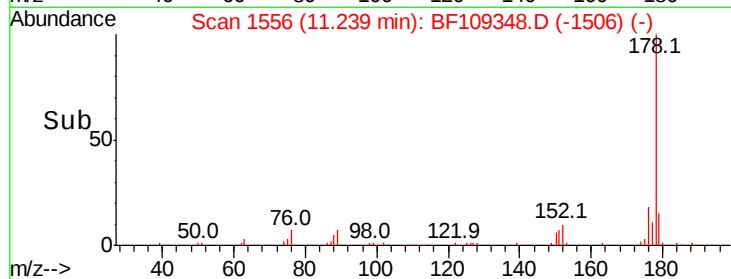
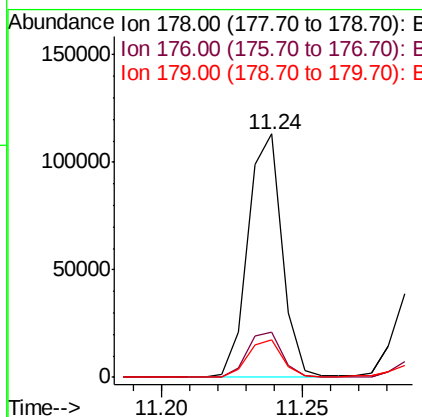
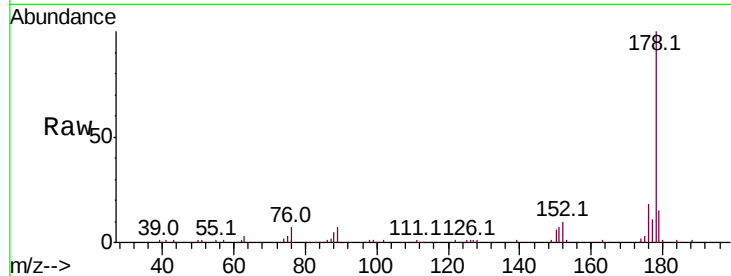
#70
Phenanthrene
Concen: 8.400 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	13.0	19.6

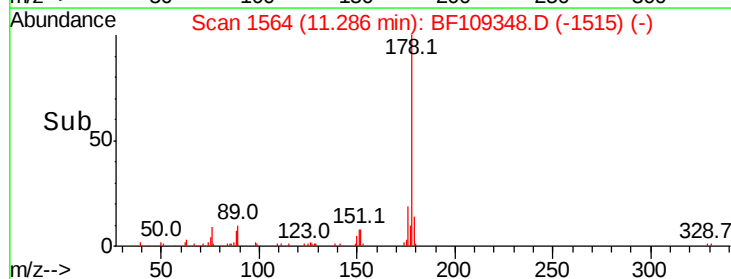
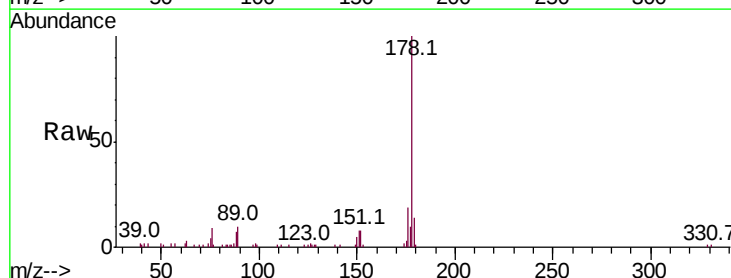
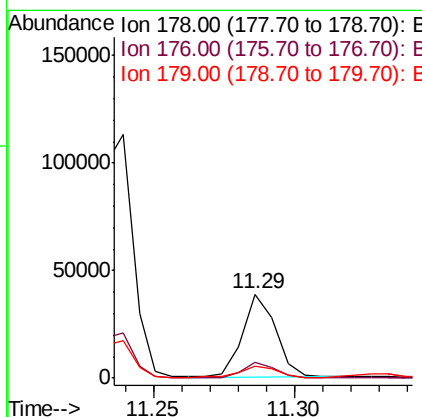
Manual Integrations
APPROVED

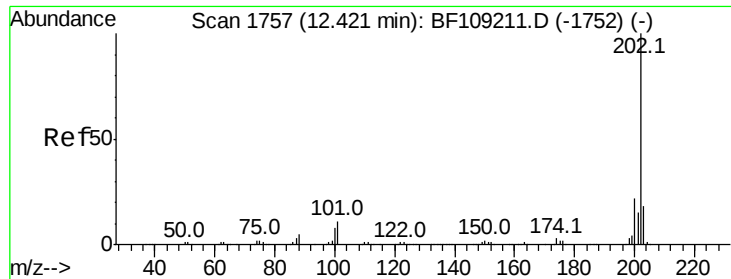
Sohil
9/27/2018 1:31:33 PM



#71
Anthracene
Concen: 2.749 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	14.1	12.6	19.0





#74

Fluoranthene

Concen: 14.983 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

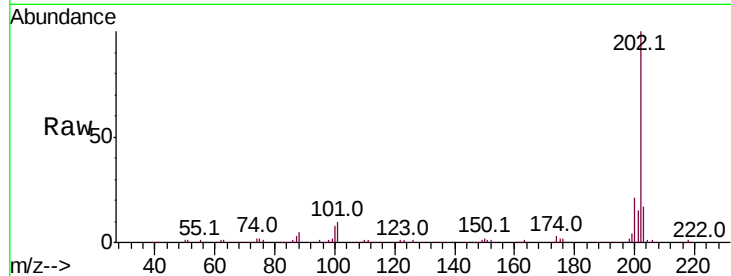
ClientSampleId :

CL-02-092518-C

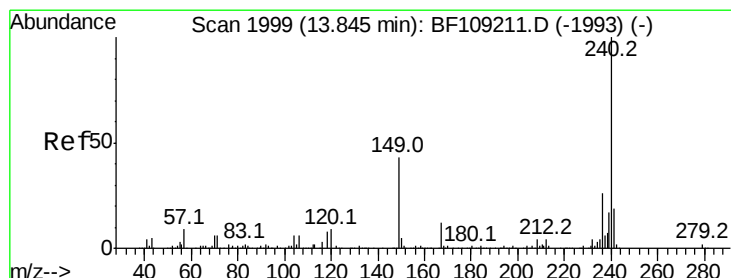
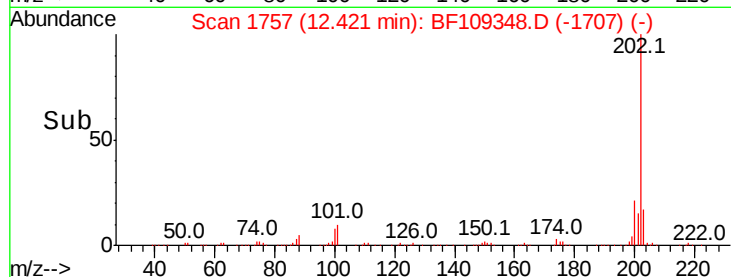
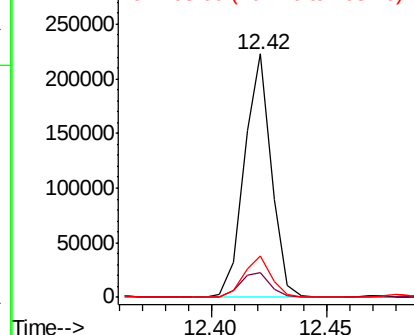
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
APPROVED

Sohil
9/27/2018 1:31:33 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

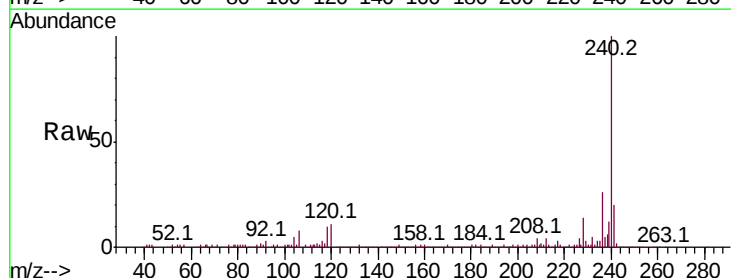
RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

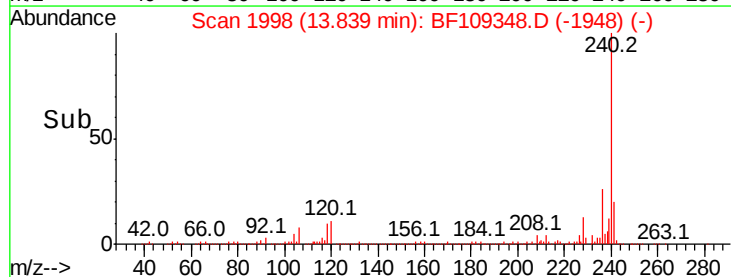
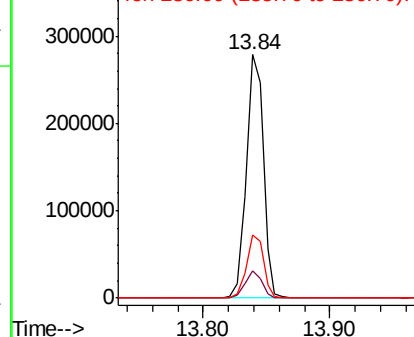
Lab File: BF109348.D

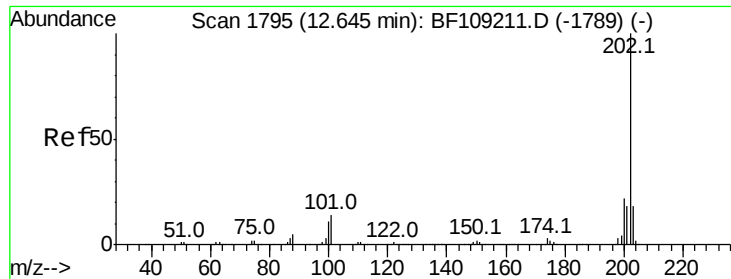
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.2	20.7	31.1



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





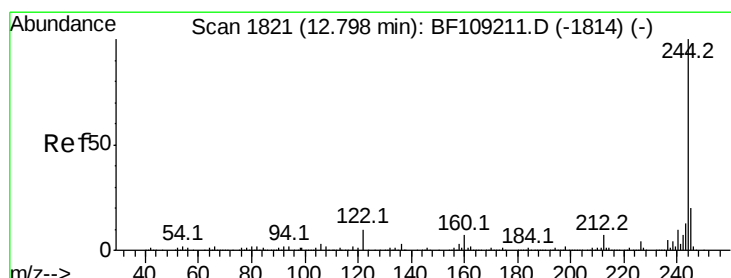
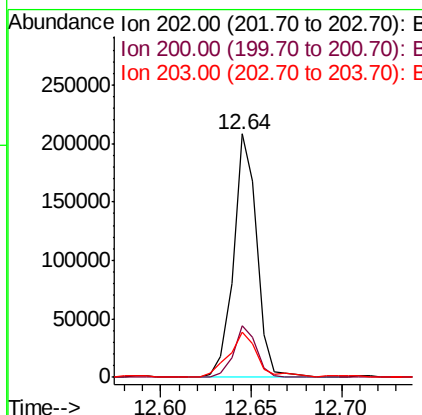
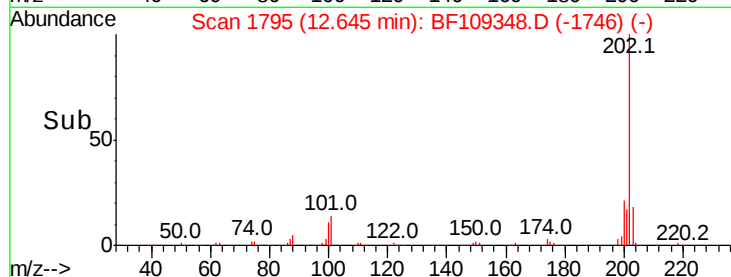
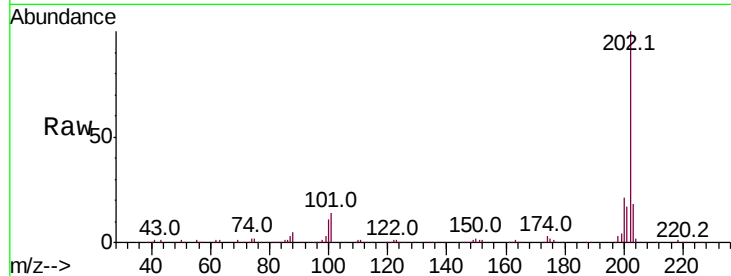
#77
Pvrene
Concen: 10.028 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.4	14.3	21.5

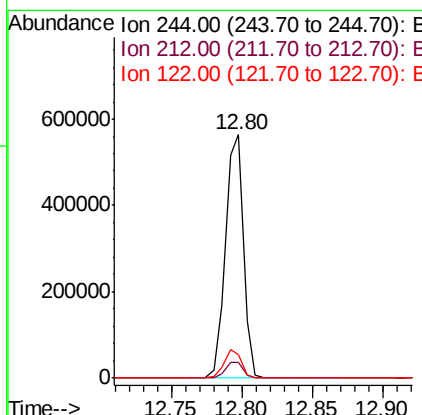
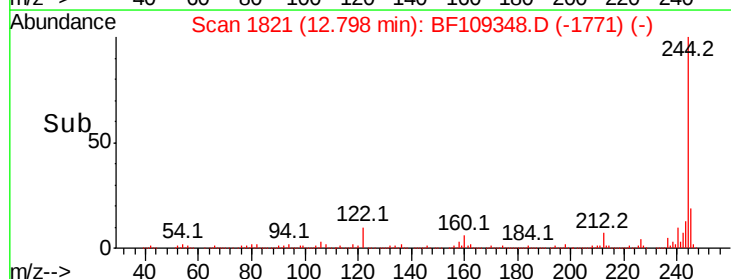
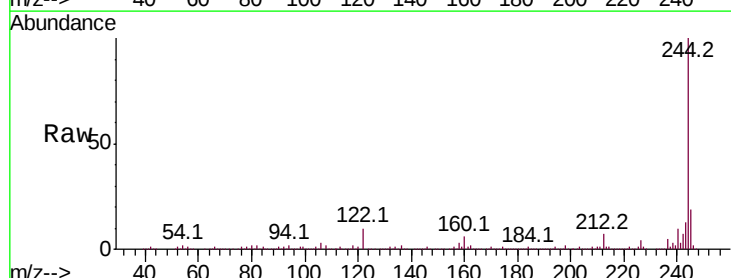
Manual Integrations
APPROVED

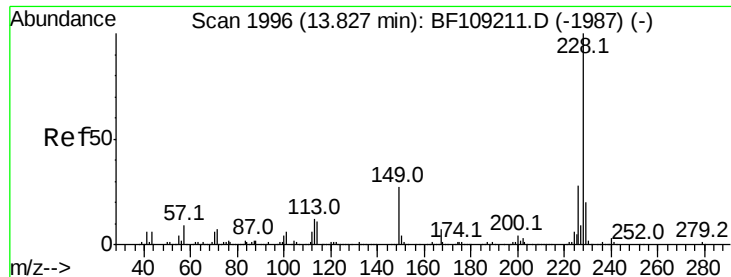
Sohil
9/27/2018 1:31:33 PM



#78
Terphenyl-d14
Concen: 47.658 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.8	11.0	16.4#





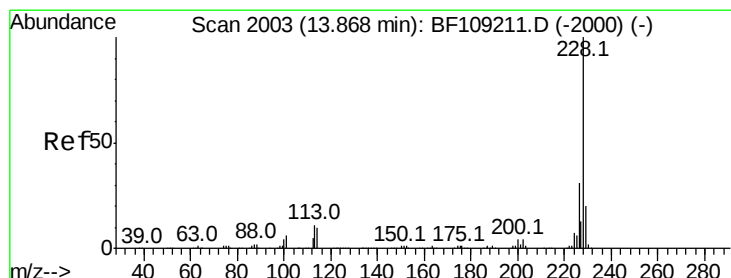
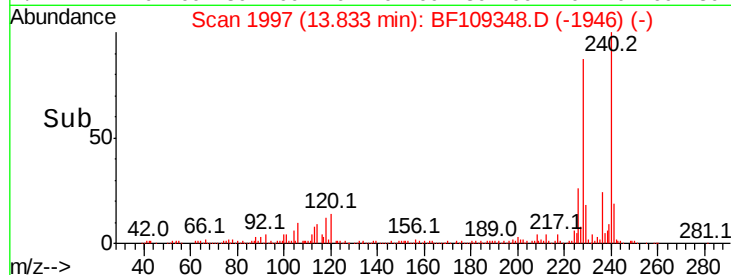
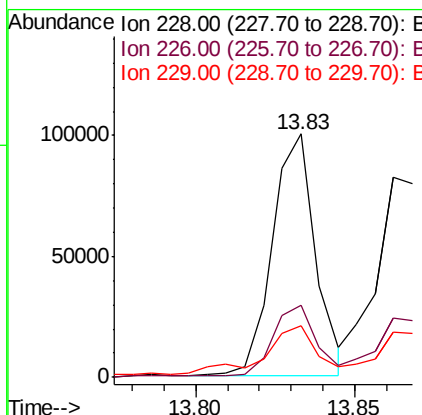
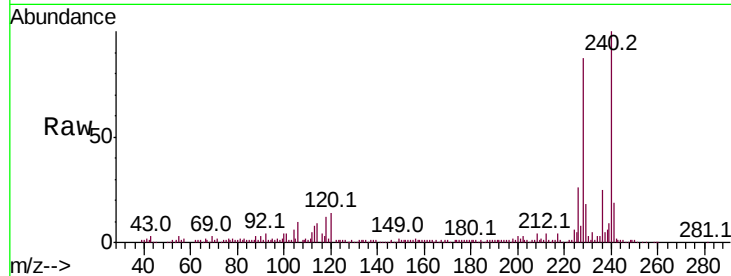
#80
Benzo(a)anthracene
Concen: 6.158 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.2	15.8	23.6

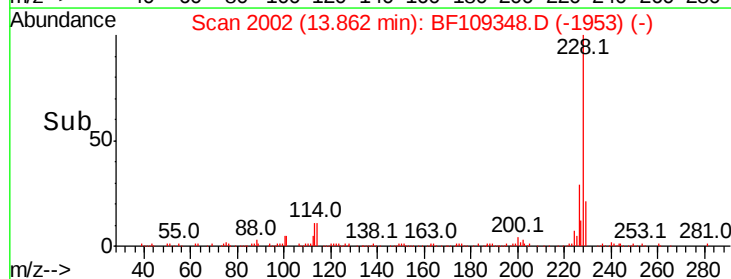
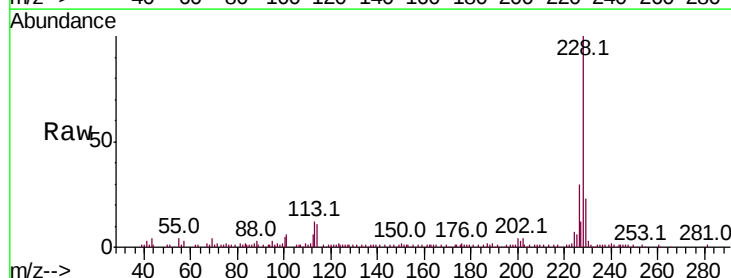
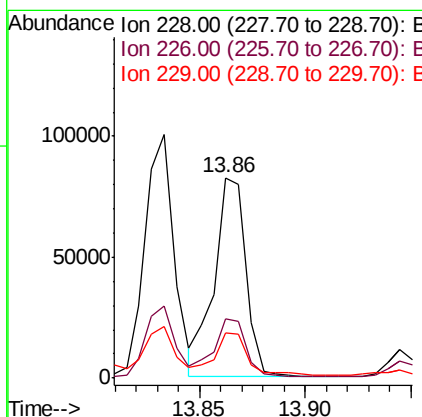
Manual Integrations
APPROVED

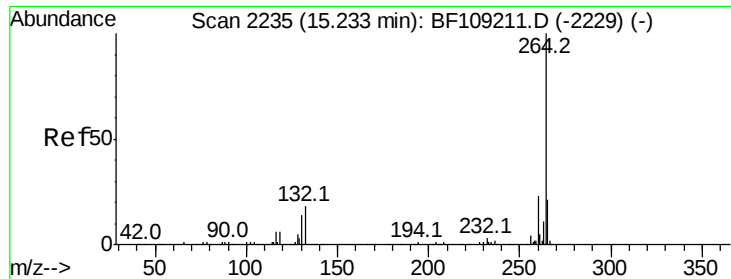
Sohil
9/27/2018 1:31:33 PM



#82
Chrysene
Concen: 5.640 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.5	16.2	24.4





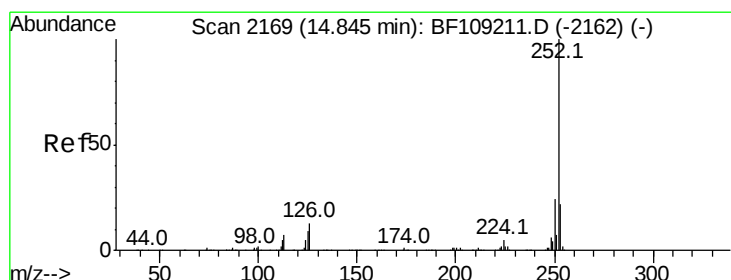
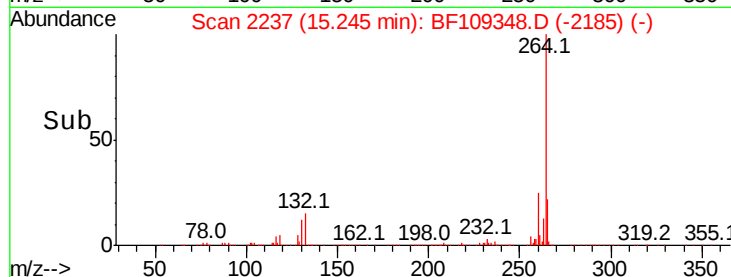
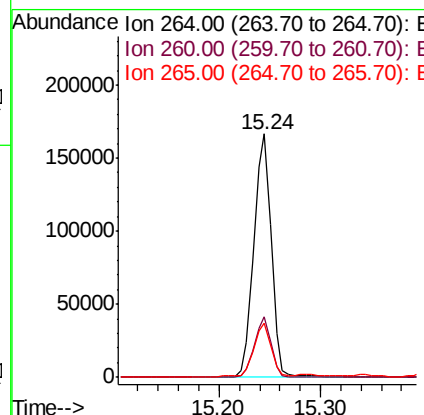
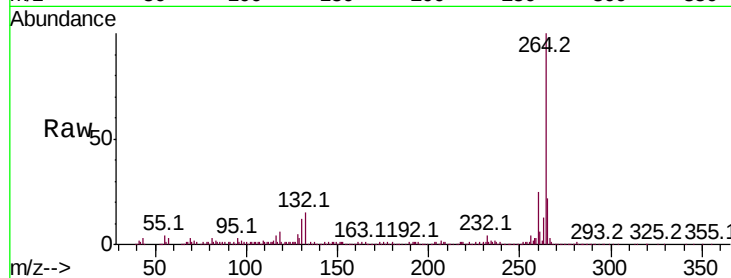
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.1	17.5	26.3

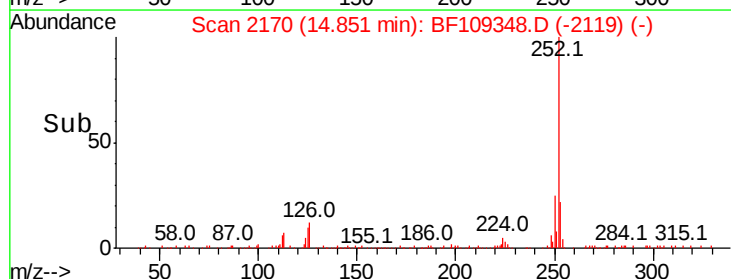
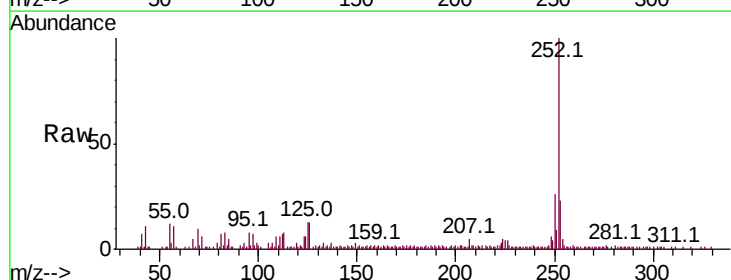
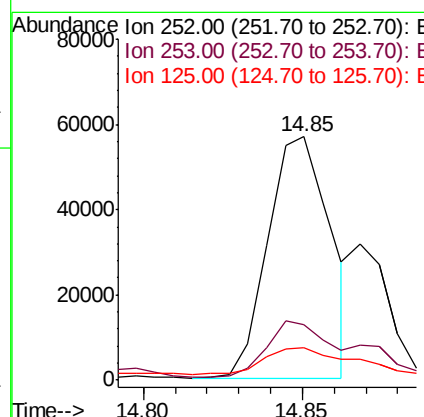
Manual Integrations
APPROVED

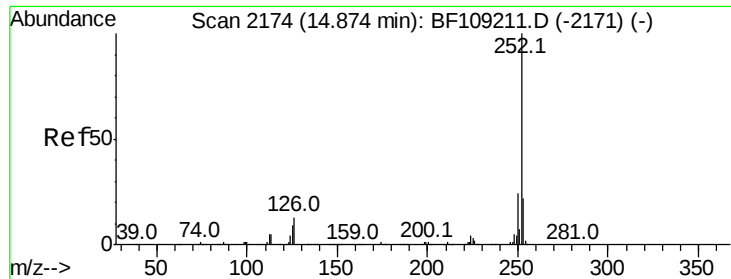
Sohil
9/27/2018 1:31:33 PM



#87
Benzo(b)fluoranthene
Concen: 7.040 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.2	9.0	13.6





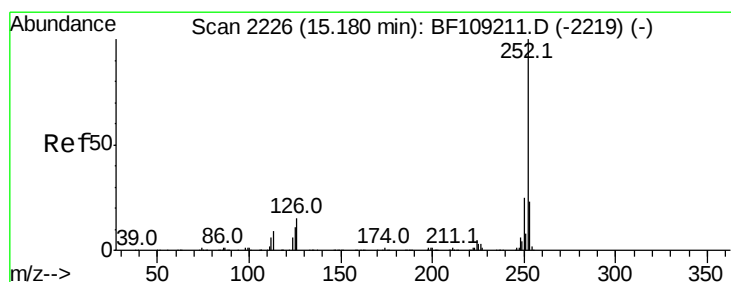
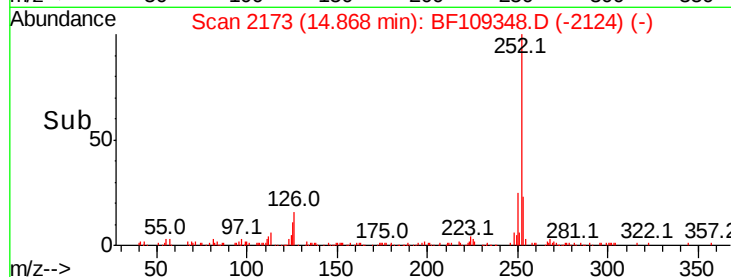
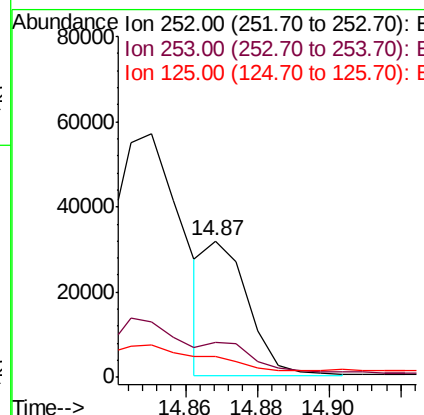
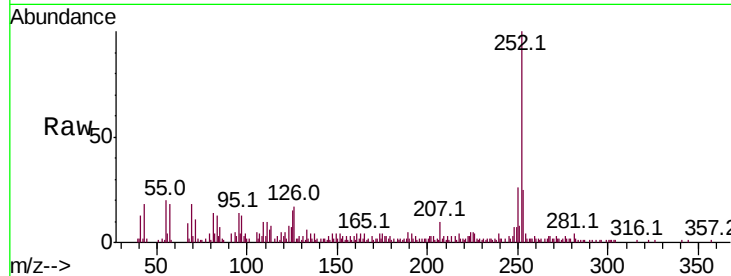
#88
Benzo(k)fluoranthene
Concen: 2.440 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	14.9	10.2	15.2

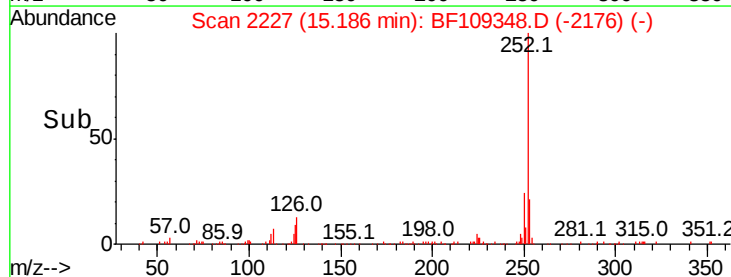
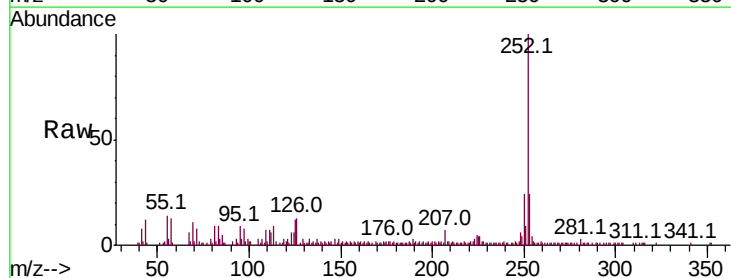
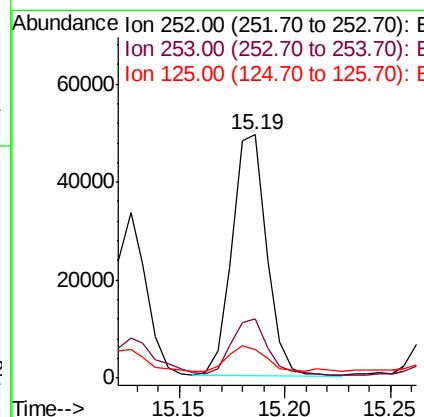
Manual Integrations
APPROVED

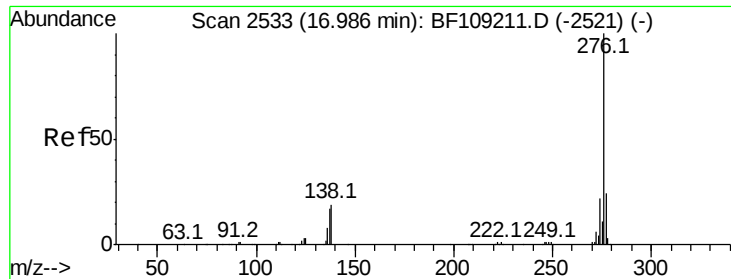
Sohil
9/27/2018 1:31:33 PM



#89
Benzo(a)pyrene
Concen: 5.616 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	11.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.090 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	22.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 9/27/2018 1:31:33 PM

