

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\  
 Data File : BF109276.D  
 Acq On : 24 Sep 2018 19:03  
 Operator : JU/SJ  
 Sample : J4770-15 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-092118-H

Manual Integrations  
 APPROVED

Sohil  
 9/25/2018 9:57:24 AM

Quant Time: Sep 25 05:25:02 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	96182	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	342438	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	153111	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	316331	20.00	ng	0.00
75) Chrysene-d12	13.84	240	256871	20.00	ng	0.00
86) Perylene-d12	15.25	264	174897	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	194033	33.23	ng	0.00
7) Phenol-d6	6.34	99	235680	31.63	ng	-0.02
23) Nitrobenzene-d5	7.26	82	132190	22.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	56204	37.24	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	237966	23.44	ng	-0.01
78) Terphenyl-d14	12.80	244	273274	26.11	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	66785	5.997	ng	# 98
70) Phenanthrene	11.24	178	74894	4.742	ng	98
74) Fluoranthene	12.43	202	248963	14.750	ng	93
77) Pyrene	12.65	202	260171	14.132	ng	99
80) Benzo(a)anthracene	13.83	228	114979	7.431	ng	99
82) Chrysene	13.87	228	94611	6.170	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	44529	3.582	ng	# 89
87) Benzo(b)fluoranthene	14.85	252	97377m	10.132	ng	
88) Benzo(k)fluoranthene	14.87	252	32268m	3.538	ng	
89) Benzo(a)pyrene	15.19	252	68660	7.929	ng	96
91) Benzo(a,h,i)perylene	17.00	276	42736	6.121	ng	92

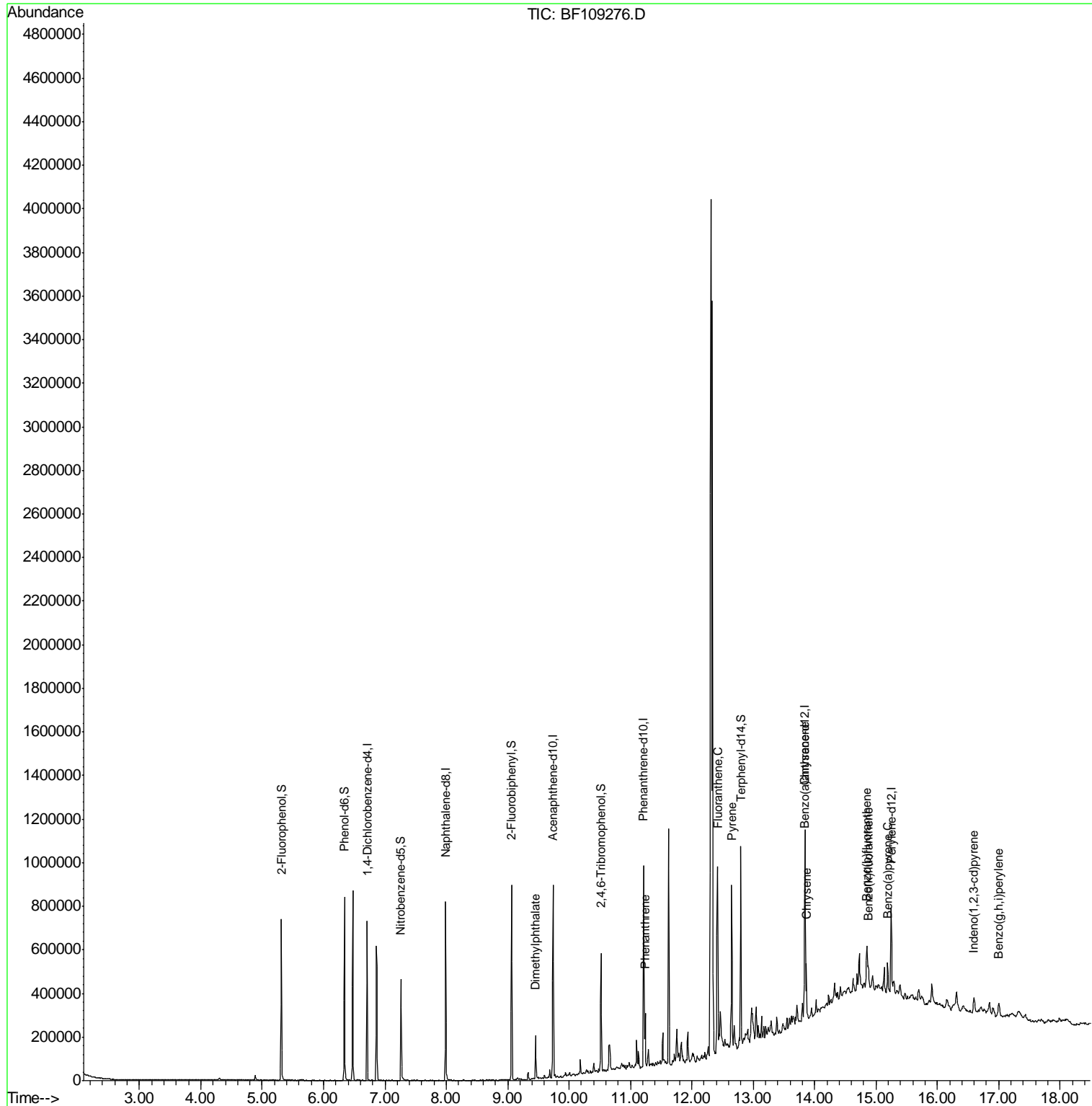
(#) = qualifier out of range (m) = manual integration (+) = signals summed

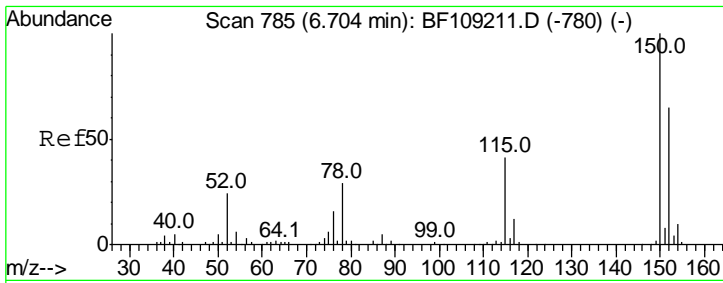
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\  
 Data File : BF109276.D  
 Acq On : 24 Sep 2018 19:03  
 Operator : JU/SJ  
 Sample : J4770-15 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampled :  
 JC-02-092118-H

Manual Integrations  
 APPROVED  
 Sohil  
 9/25/2018 9:57:24 AM

Quant Time: Sep 25 05:25:02 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



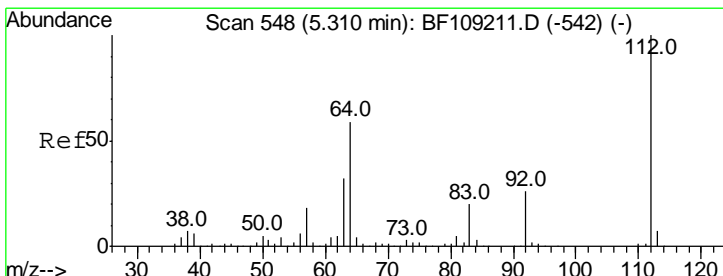
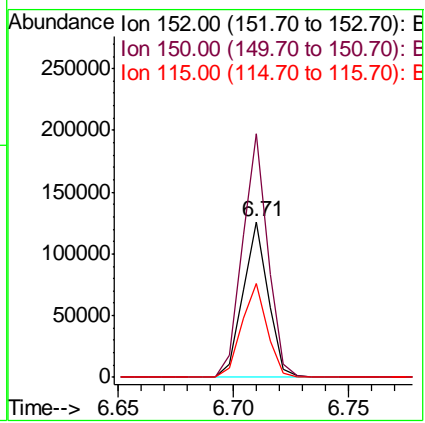
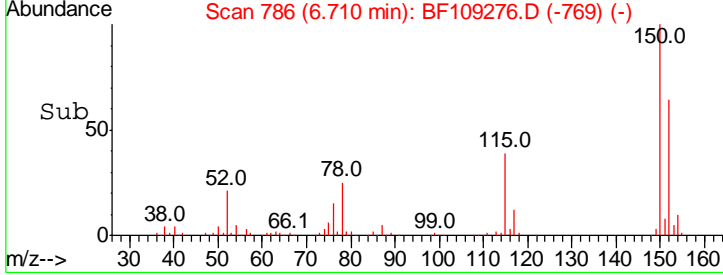
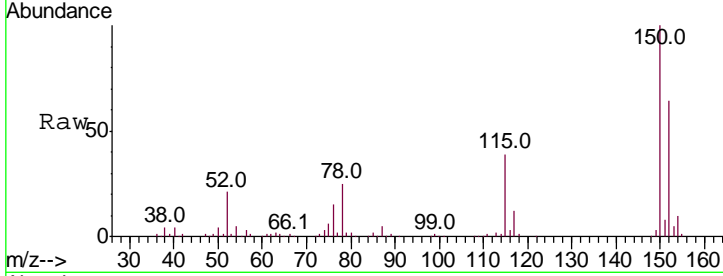


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H

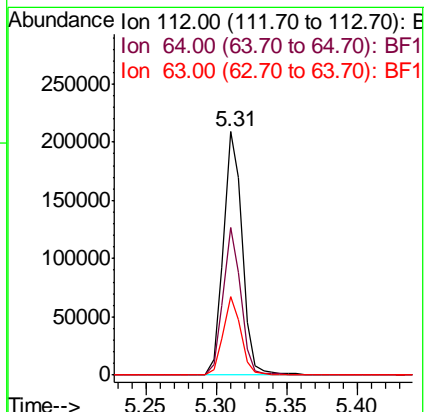
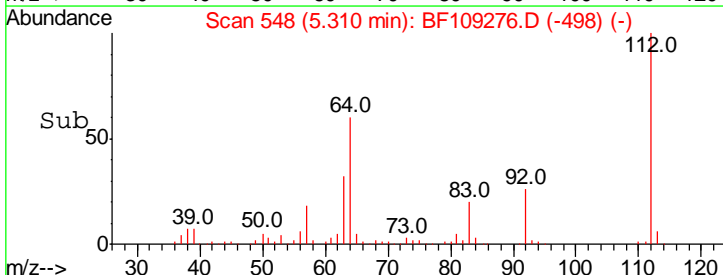
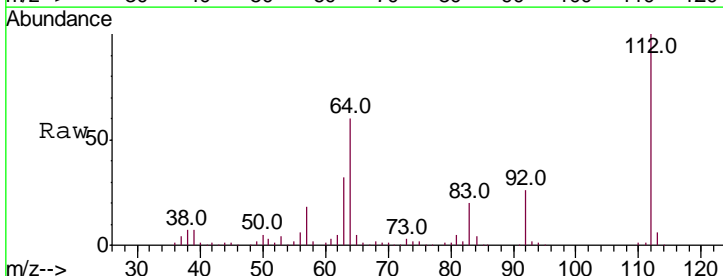
Tgt Ion	Resp	Lower	Upper
152	96182		
152	100		
150	156.4	124.6	186.8
115	60.7	50.1	75.1

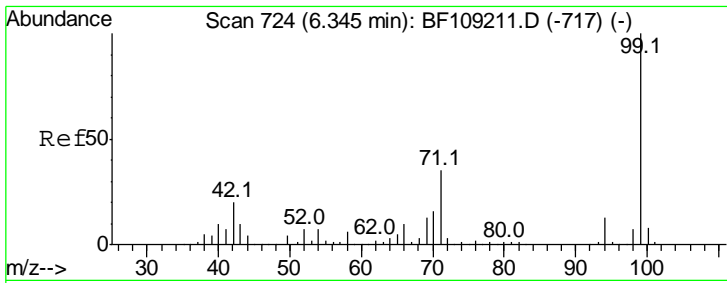
**Manual Integrations**  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM



#5  
 2-Fluorophenol  
 Concen: 33.227 ng  
 RT: 5.31 min Scan# 548  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tgt Ion	Resp	Lower	Upper
112	194033		
112	100		
64	60.4	47.9	71.9
63	32.1	23.7	35.5





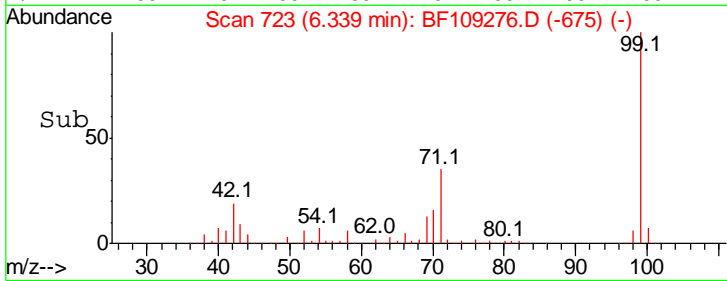
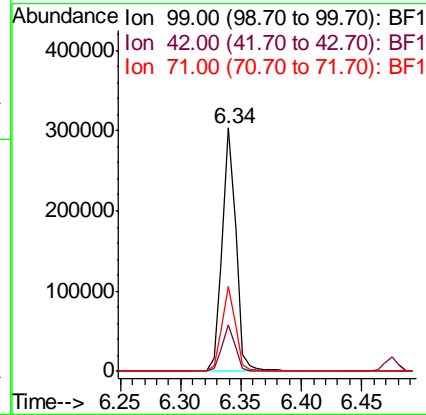
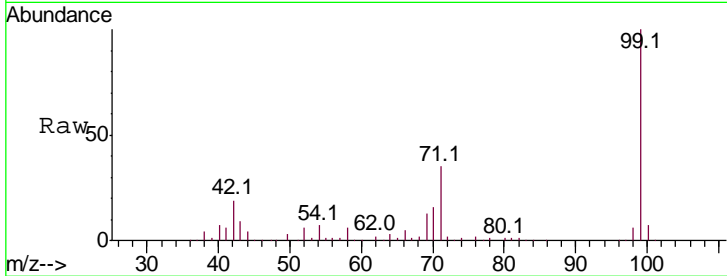
#7  
 Phenol-d6  
 Concen: 31.629 ng  
 RT: 6.34 min Scan# 723  
 Delta R.T. -0.02 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H

Tgt Ion	Resp	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	35.1	25.4	38.0

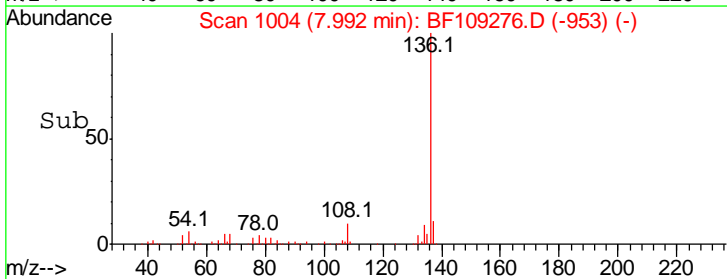
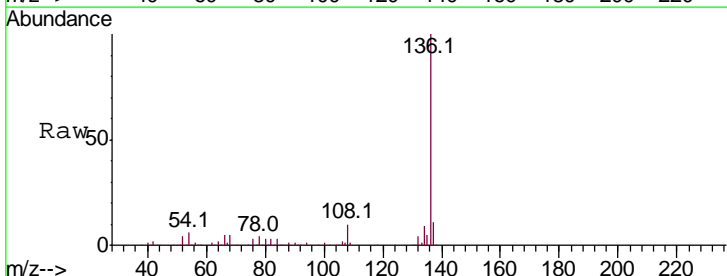
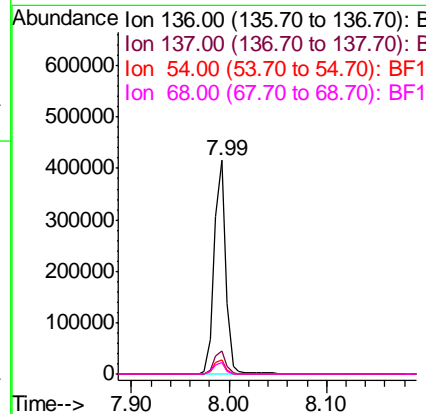
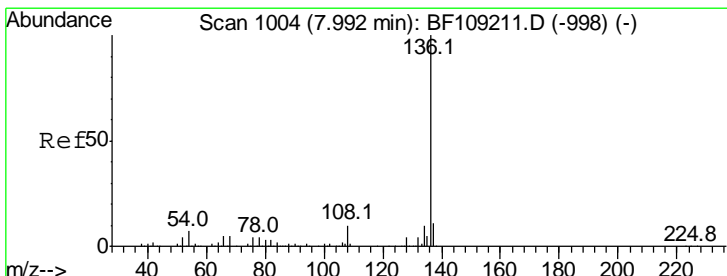
**Manual Integrations**  
**APPROVED**

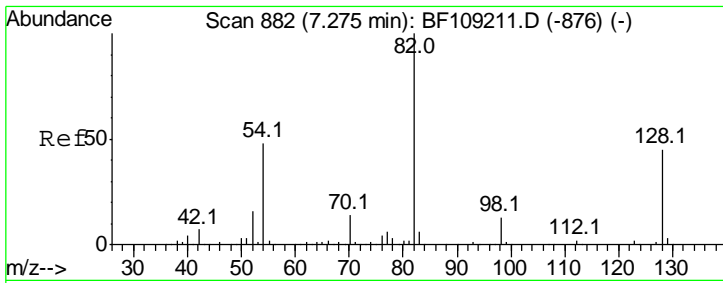
Sohil  
 9/25/2018 9:57:24 AM



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 7.99 min Scan# 1004  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tgt Ion	Resp	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	6.6	9.8#
68	5.2	5.0	7.4



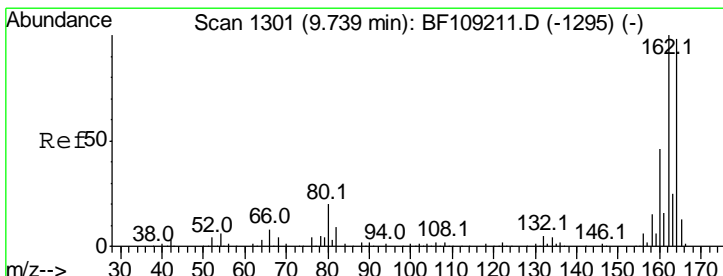
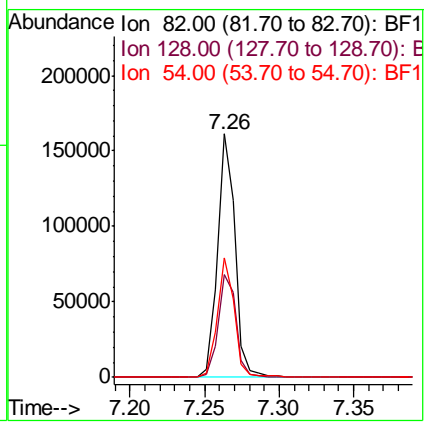
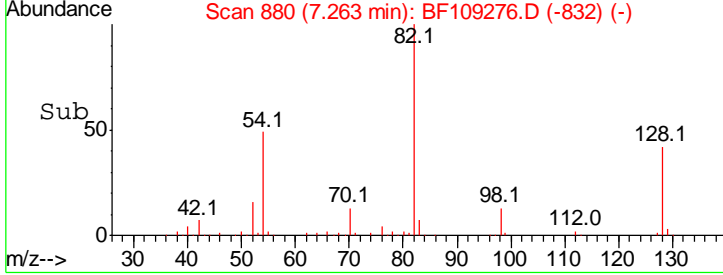
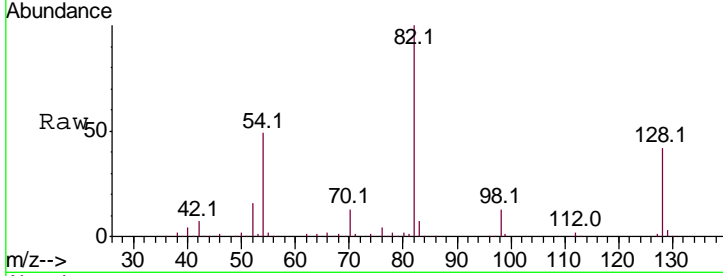


#23  
 Nitrobenzene-d5  
 Concen: 22.788 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.02 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H

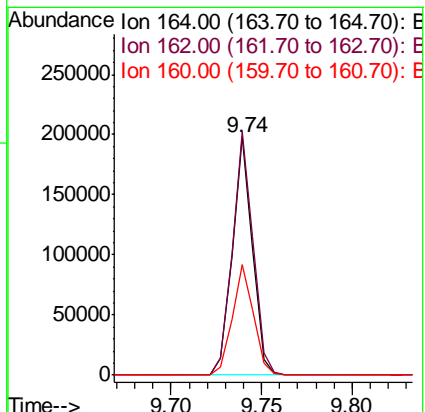
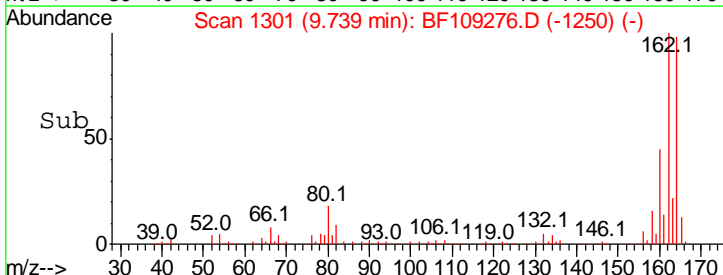
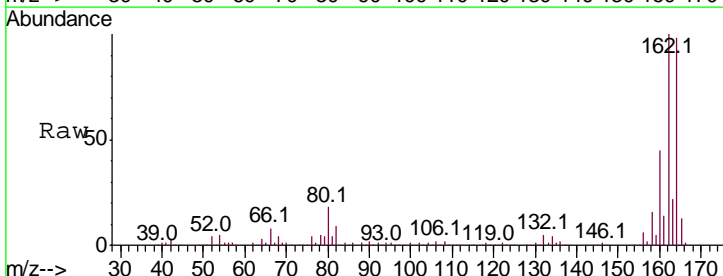
Tgt Ion	Resp	Lower	Upper
82	132190		
82	100		
128	42.4	36.1	54.1
54	49.2	41.4	62.2

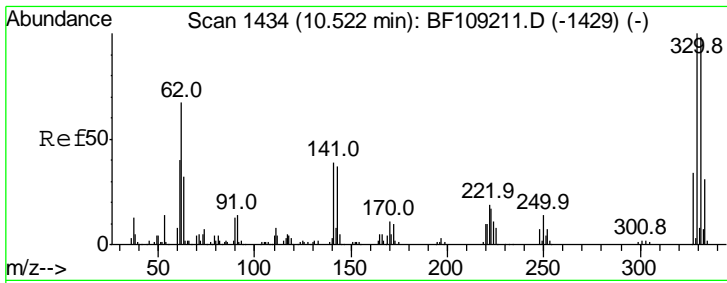
**Manual Integrations**  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tgt Ion	Resp	Lower	Upper
164	153111		
164	100		
162	102.2	86.1	129.1
160	46.2	38.3	57.5





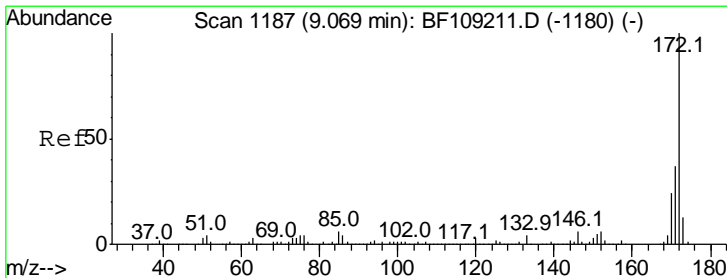
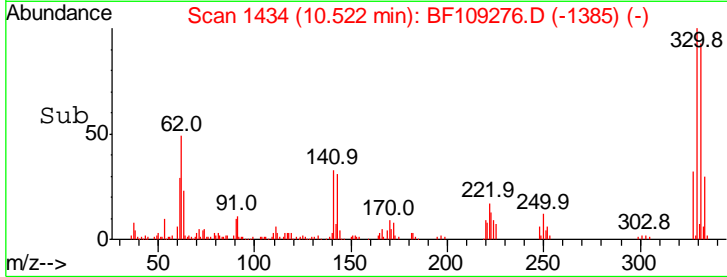
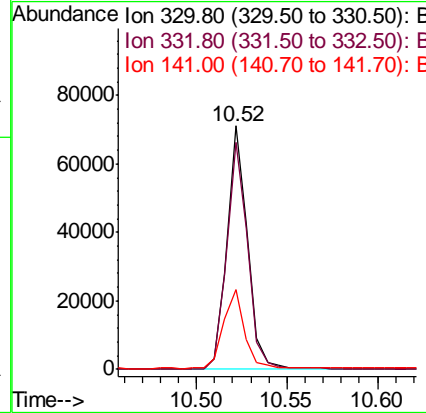
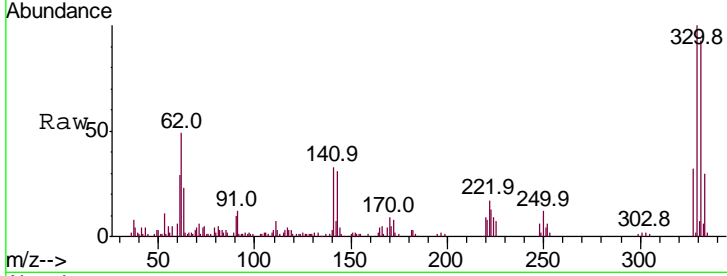
#41  
 2,4,6-Tribromophenol  
 Concen: 37.237 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Instrument :  
 BNA\_F  
 ClientSampled :  
 JC-02-092118-H

Tgt Ion	Resp	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	33.1	29.9	44.9

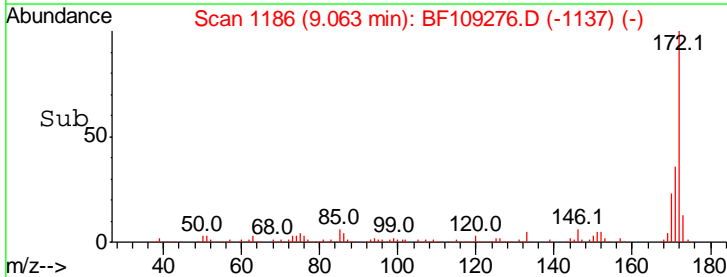
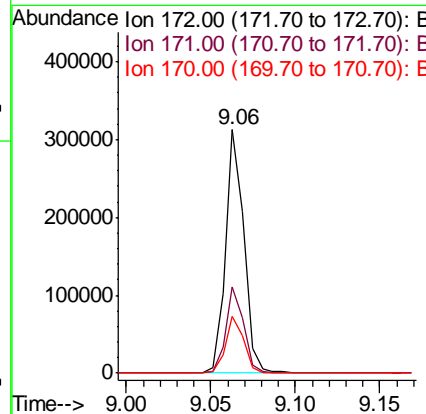
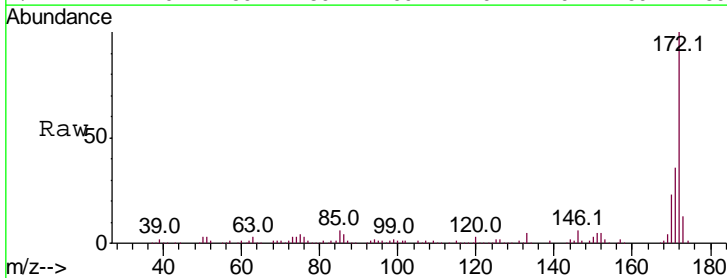
Manual Integrations  
 APPROVED

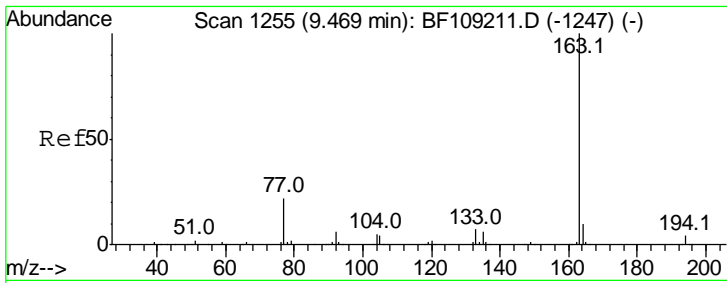
Sohil  
 9/25/2018 9:57:24 AM



#44  
 2-Fluorobiphenyl  
 Concen: 23.440 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

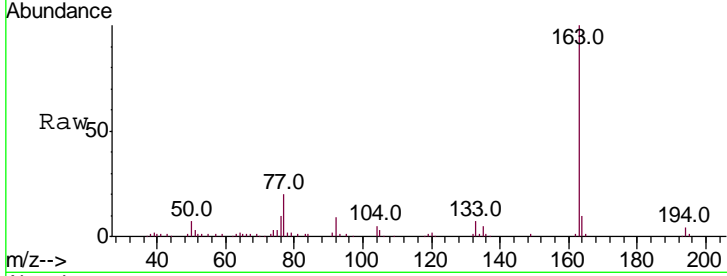
Tgt Ion	Resp	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.3	19.6	29.4





#49  
 Dimethylphthalate  
 Concen: 5.997 ng  
 RT: 9.46 min Scan# 1253  
 Delta R.T. -0.02 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

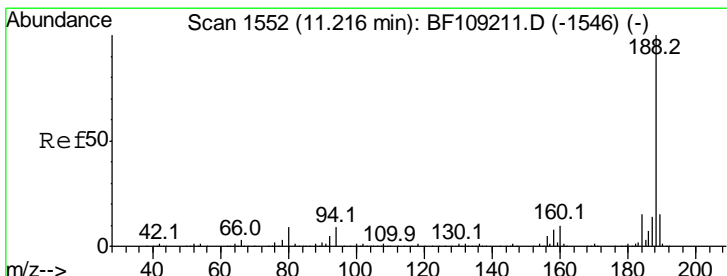
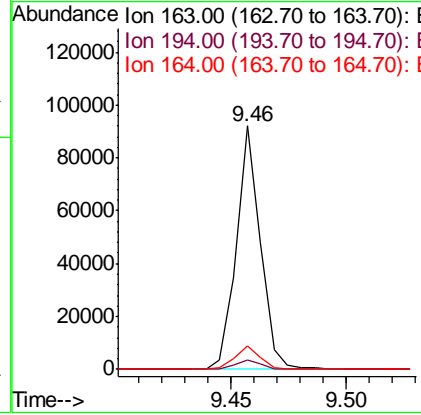
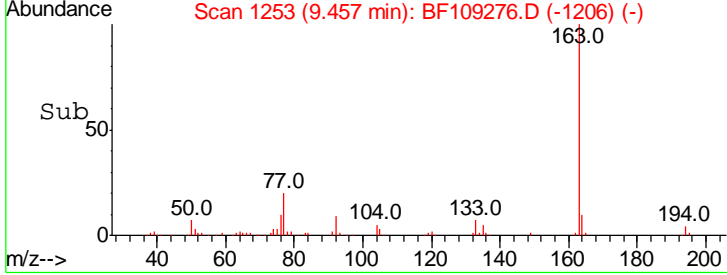
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H



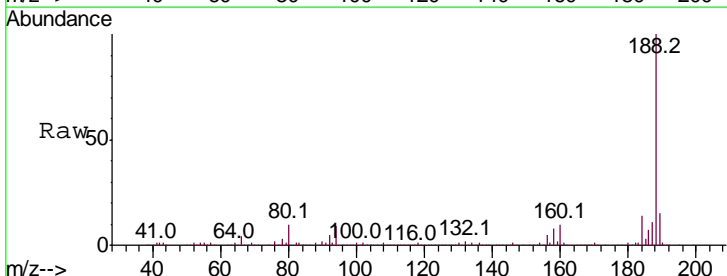
Tgt Ion:163 Resp: 66785

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.6	8.2	12.2

**Manual Integrations**  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM

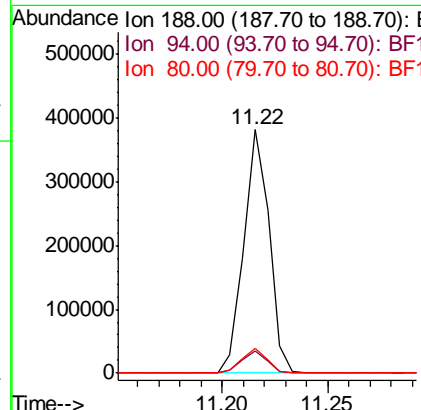
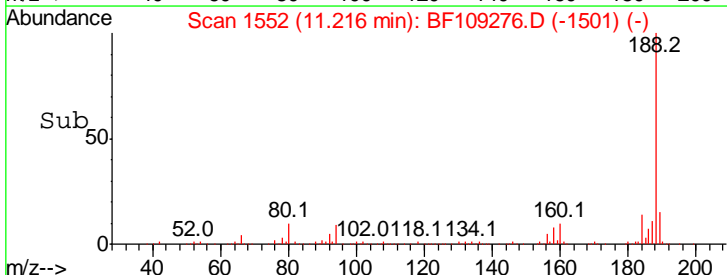


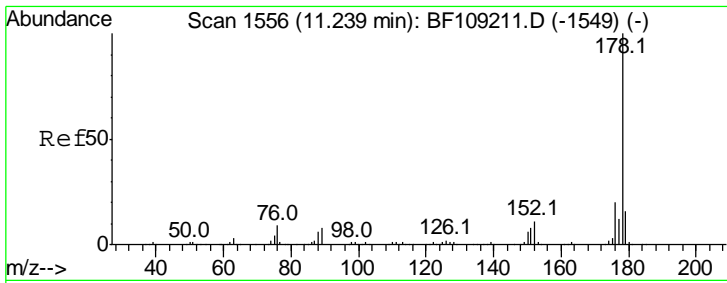
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03



Tgt Ion:188 Resp: 316331

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.2	9.2	13.8





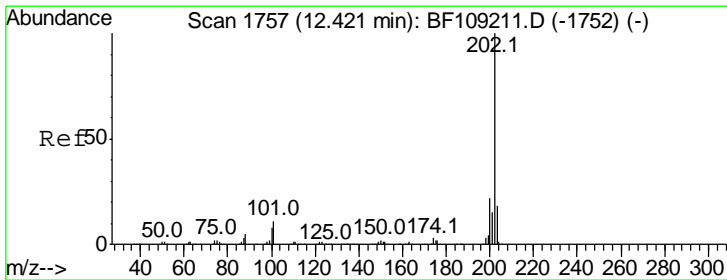
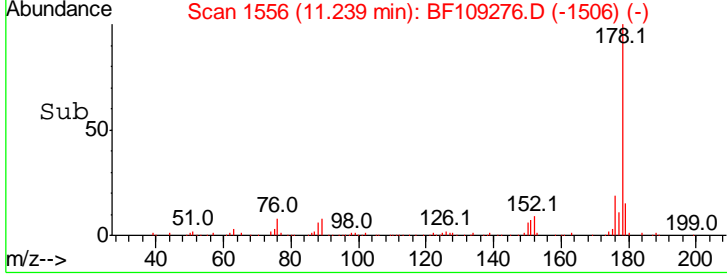
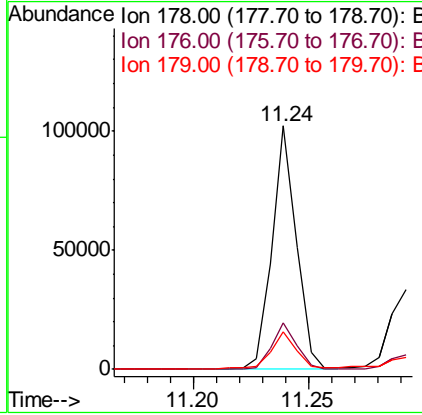
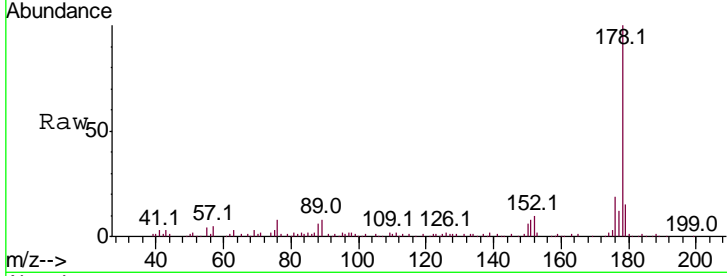
#70  
 Phenanthrene  
 Concen: 4.742 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Instrument :  
 BNA\_F  
 ClientSampled :  
 JC-02-092118-H

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

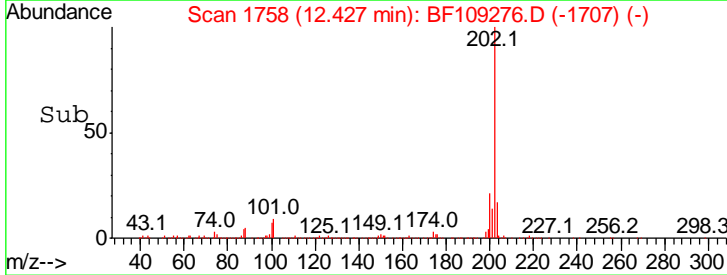
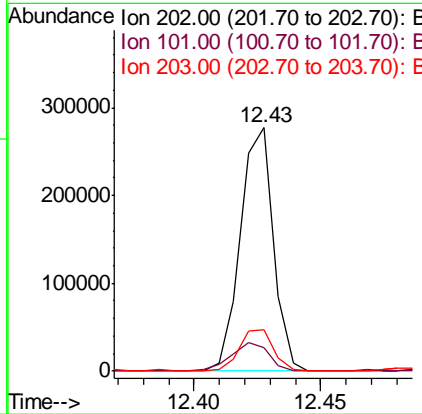
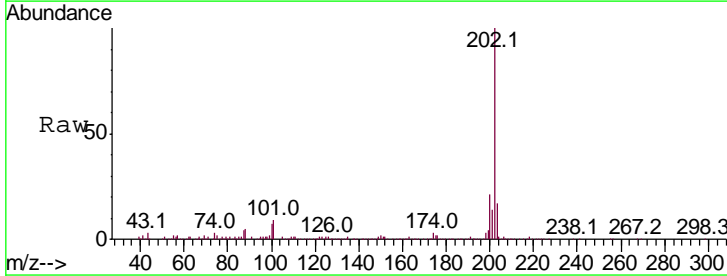
Manual Integrations  
 APPROVED

Sohil  
 9/25/2018 9:57:24 AM

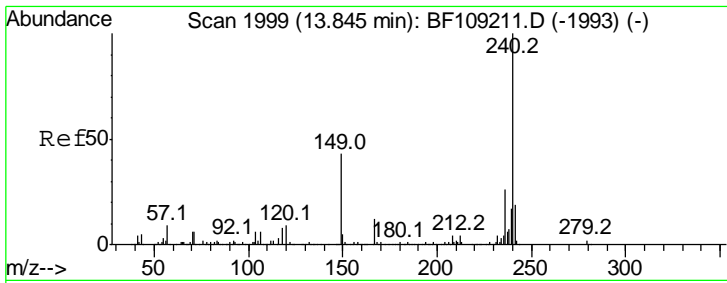


#74  
 Fluoranthene  
 Concen: 14.750 ng  
 RT: 12.43 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tgt Ion	Resp	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.9	0.0	38.1

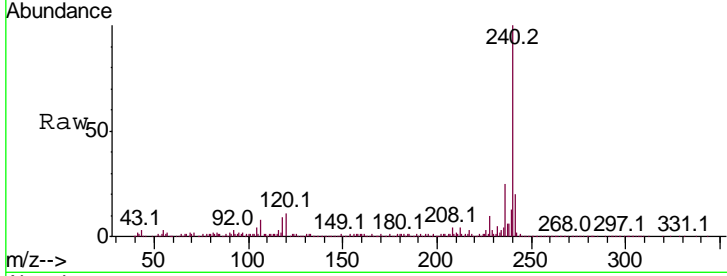






#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.84 min Scan# 1999  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

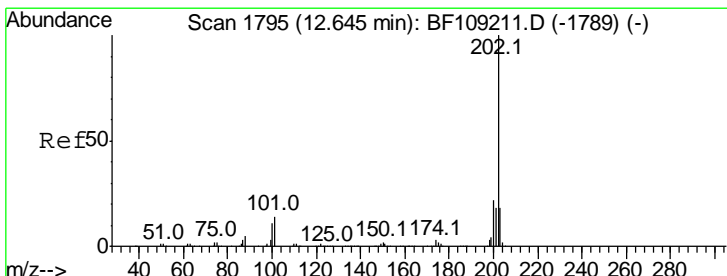
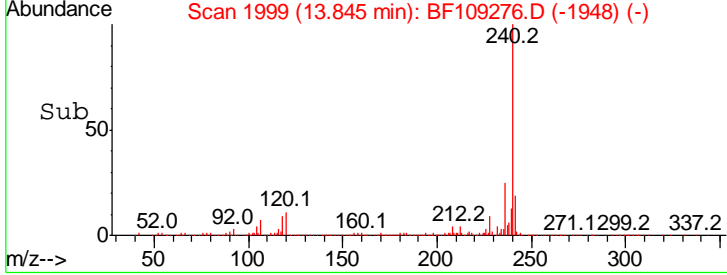
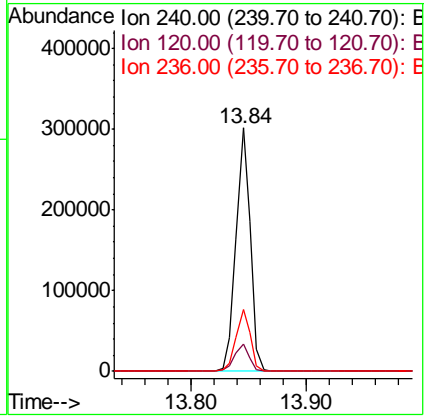
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H



Tgt Ion: 240 Resp: 256871

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	25.4	20.7	31.1

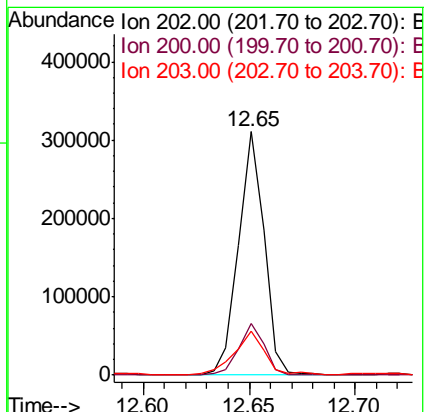
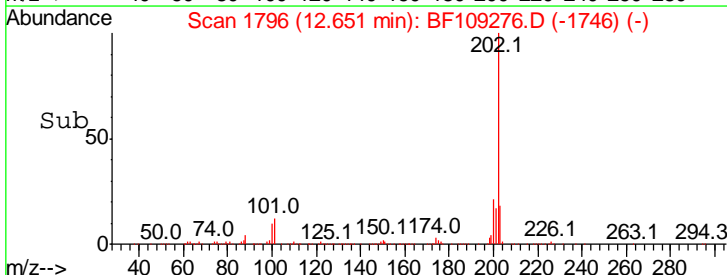
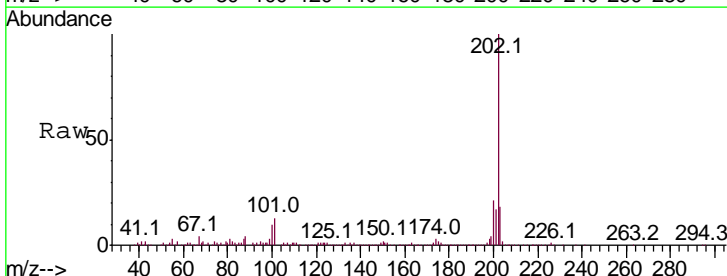
**Manual Integrations**  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM

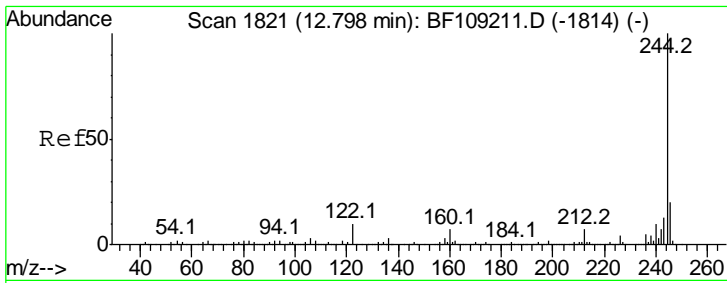


#77  
 Pyrene  
 Concen: 14.132 ng  
 RT: 12.65 min Scan# 1796  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tgt Ion: 202 Resp: 260171

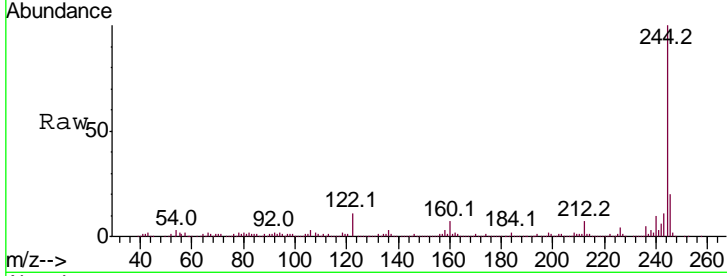
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.9	14.3	21.5





#78  
 Terphenyl-d14  
 Concen: 26.109 ng  
 RT: 12.80 min Scan# 1821  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H

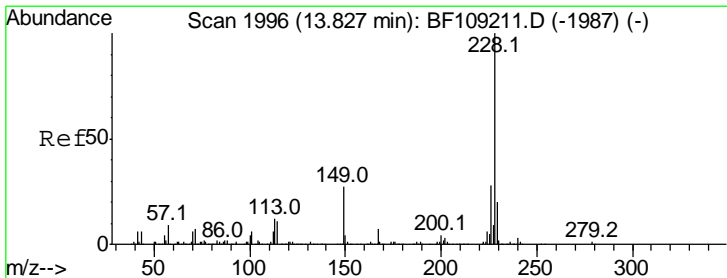
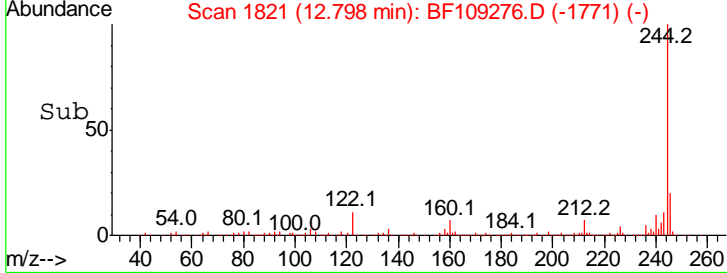
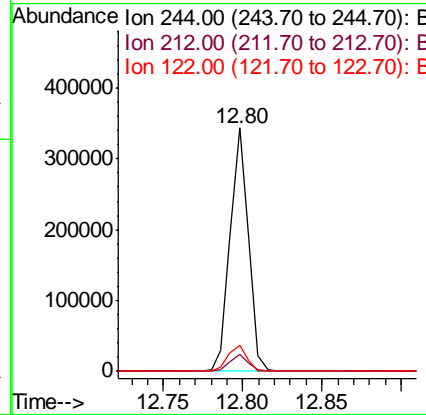


Tgt Ion: 244 Resp: 273274

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	11.0	16.4#

**Manual Integrations**  
**APPROVED**

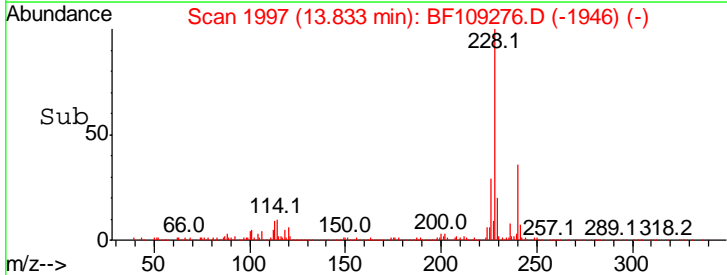
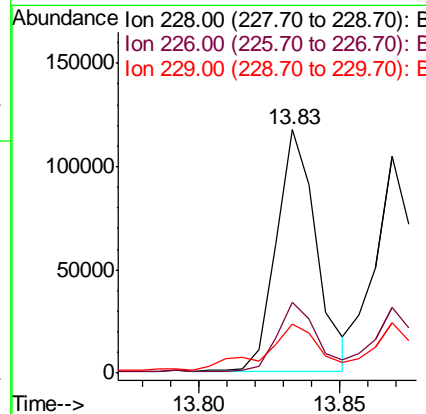
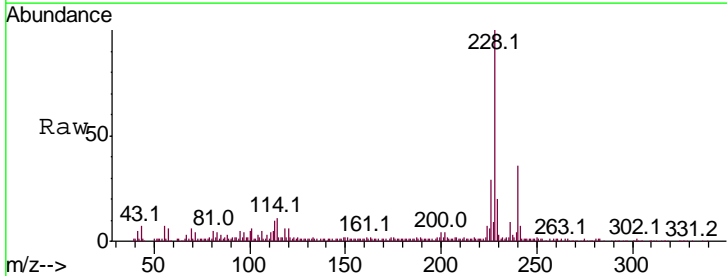
Sohil  
 9/25/2018 9:57:24 AM

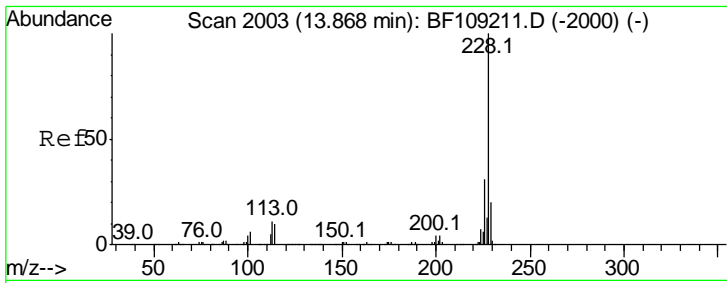


#80  
 Benzo(a)anthracene  
 Concen: 7.431 ng  
 RT: 13.83 min Scan# 1997  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tgt Ion: 228 Resp: 114979

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.2	15.8	23.6





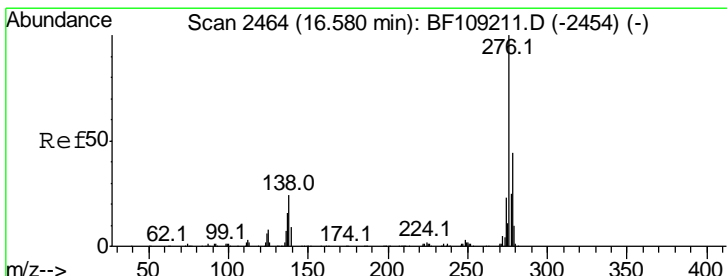
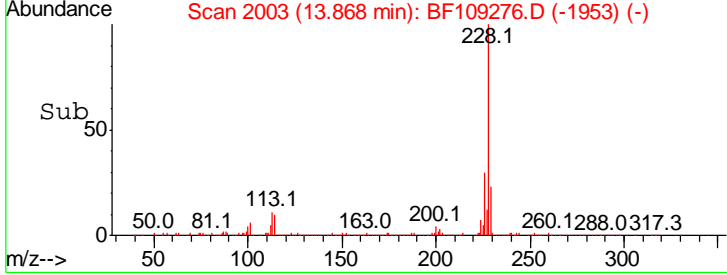
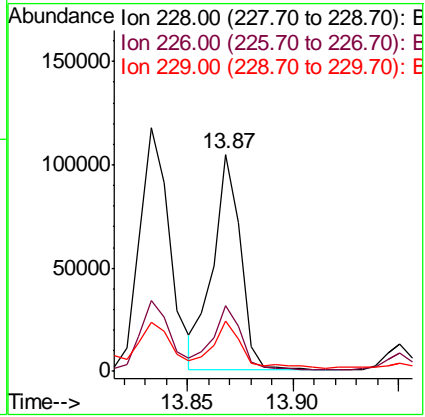
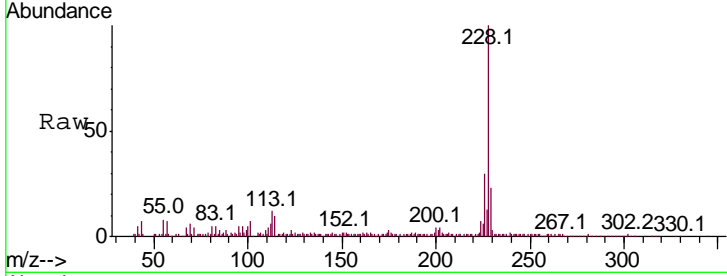
#82  
 Chrysene  
 Concen: 6.170 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Instrument :  
 BNA\_F  
 ClientSampleID :  
 JC-02-092118-H

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.4	16.2	24.4

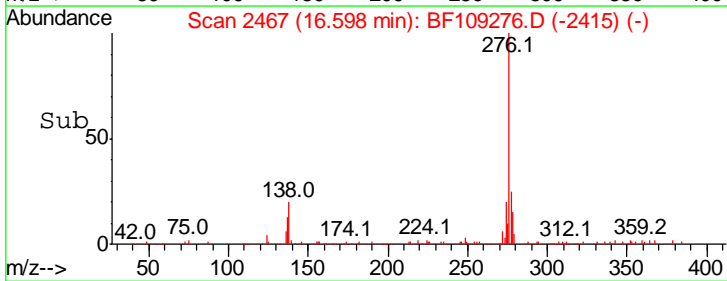
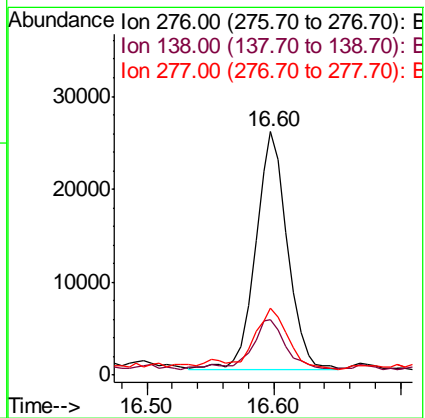
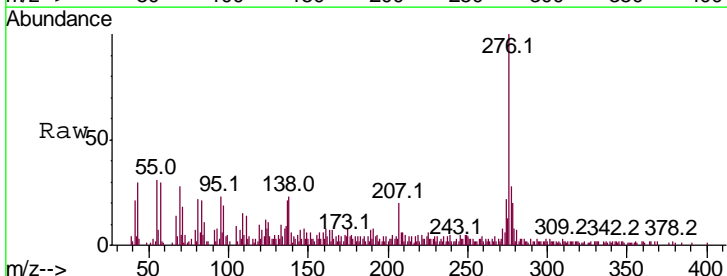
Manual Integrations  
 APPROVED

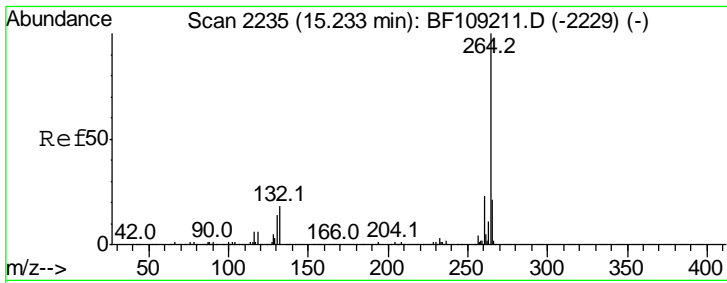
Sohil  
 9/25/2018 9:57:24 AM



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.582 ng  
 RT: 16.60 min Scan# 2467  
 Delta R.T. 0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

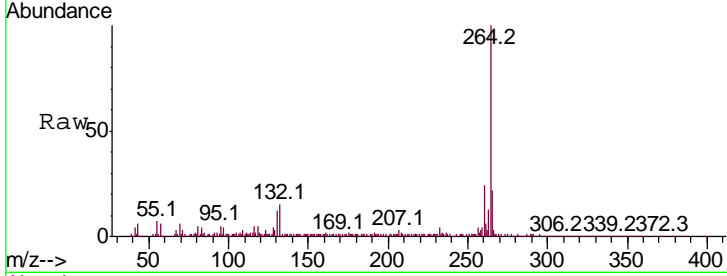
Tgt Ion	Resp	Lower	Upper
276	100		
138	22.3	25.0	37.6
277	27.2	20.1	30.1





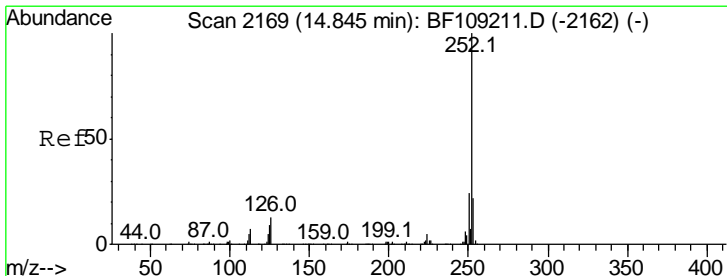
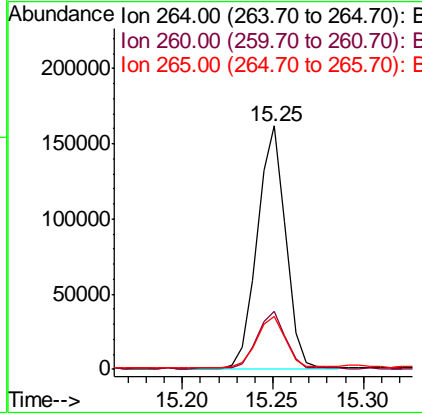
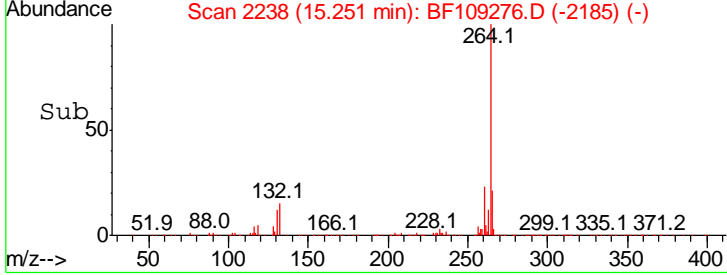
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.25 min Scan# 2238  
 Delta R.T. 0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Instrument :  
 BNA\_F  
 ClientSampled :  
 JC-02-092118-H

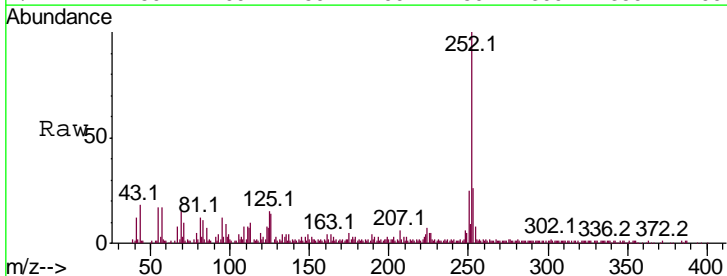


Tgt Ion	Resp	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

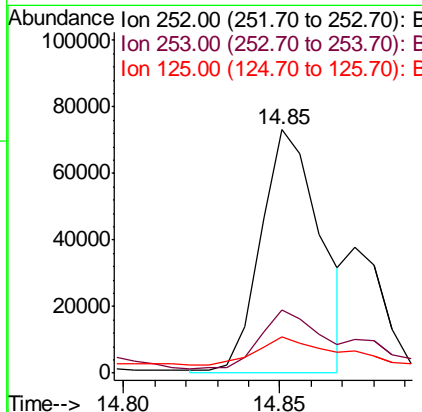
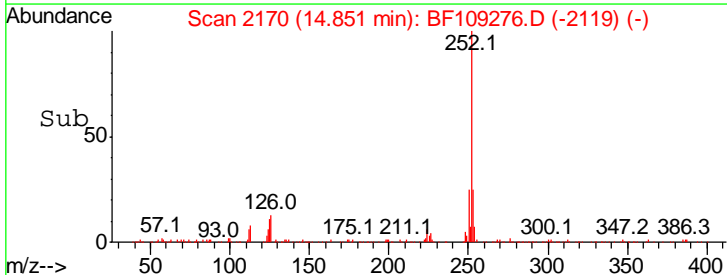
Manual Integrations  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM

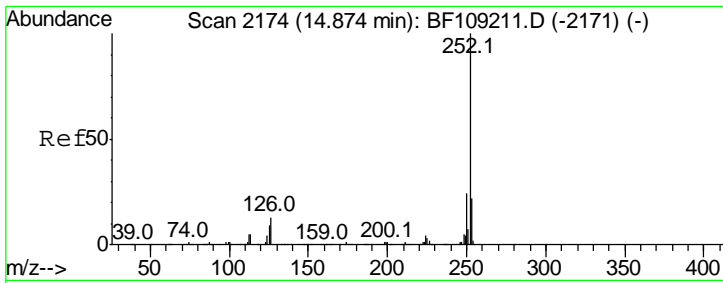


#87  
 Benzo(b)fluoranthene  
 Concen: 10.132 ng m  
 RT: 14.85 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03



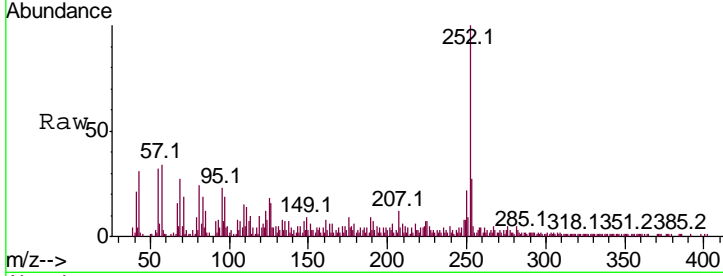
Tgt Ion	Resp	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	14.8	9.0	13.6#





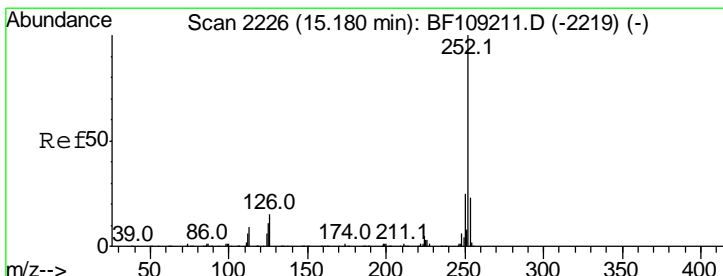
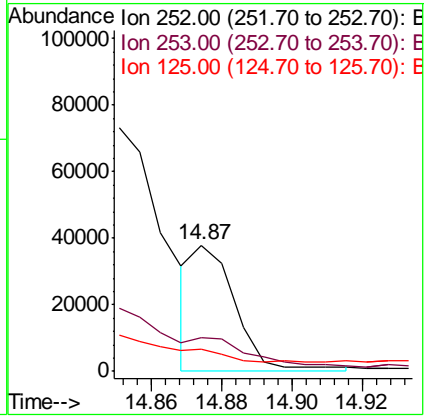
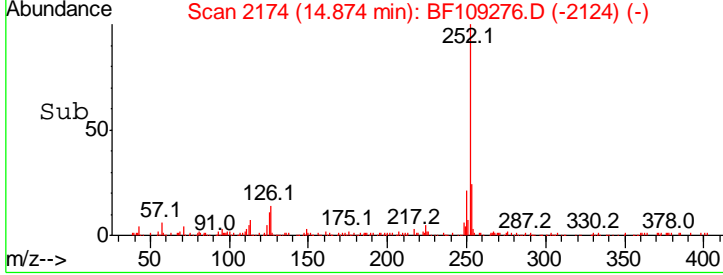
#88  
 Benzo(k)fluoranthene  
 Concen: 3.538 ng m  
 RT: 14.87 min Scan# 2174  
 Delta R.T. -0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 JC-02-092118-H

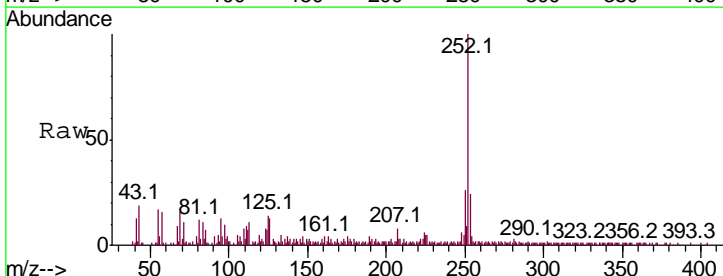


Tgt Ion	Resp	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	17.6	10.2	15.2#

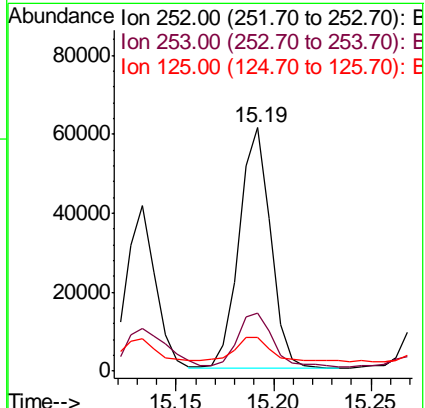
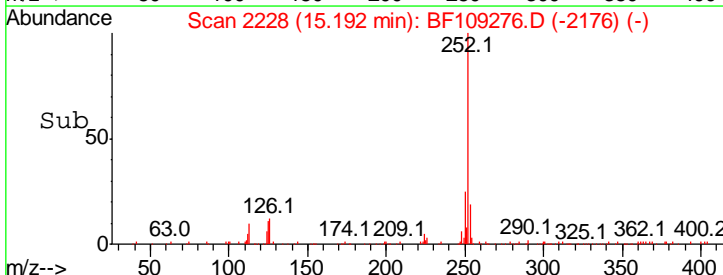
**Manual Integrations**  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM

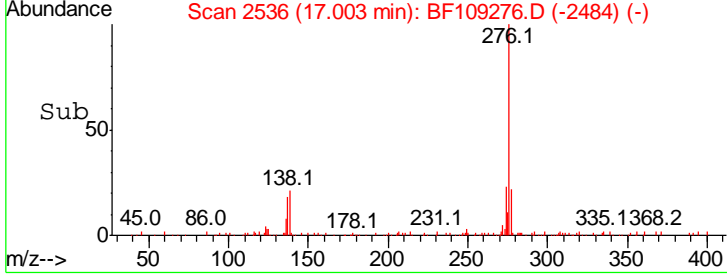
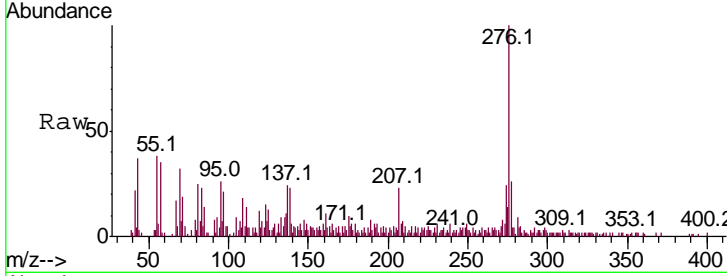
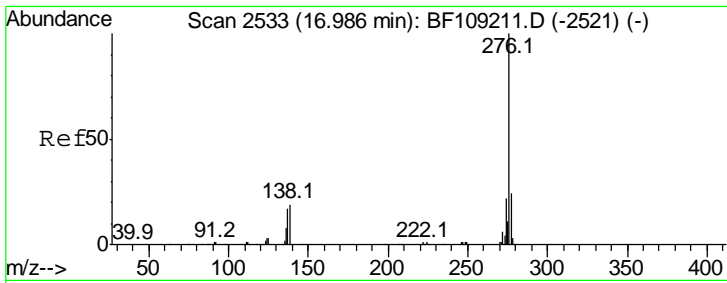


#89  
 Benzo(a)pyrene  
 Concen: 7.929 ng  
 RT: 15.19 min Scan# 2228  
 Delta R.T. 0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03



Tgt Ion	Resp	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.7	9.8	14.6





#91  
 Benzo(a,h,i)perylene  
 Concen: 6.121 ng  
 RT: 17.00 min Scan# 2536  
 Delta R.T. 0.01 min  
 Lab File: BF109276.D  
 Acq: 24 Sep 2018 19:03

Tot Ion	Resp	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	23.0	21.8	32.8

Instrument : BNA\_F  
 ClientSampled : JC-02-092118-H

Manual Integrations  
**APPROVED**  
 Sohil  
 9/25/2018 9:57:24 AM

