

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101365.D
 Acq On : 13 Dec 2017 8:11
 Operator : SJ/JU
 Sample : I6764-11
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(7-8)

Manual Integrations
 APPROVED

Sohil
 12/13/2017 2:08:02 PM

Quant Time: Dec 13 09:40:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	40116	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	140979	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	56112	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	100180	20.00	ng	0.00
75) Chrysene-d12	14.01	240	78415	20.00	ng	0.00
86) Perylene-d12	15.49	264	57514	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	270199	111.30	ng	0.01
7) Phenol-d6	6.47	99	320421	108.71	ng	0.00
23) Nitrobenzene-d5	7.39	82	170518	72.15	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	63301	93.91	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	307866	75.07	ng	0.00
78) Terphenyl-d14	12.94	244	230578	64.32	ng	0.00
Target Compounds						
10) Phenol	6.47	94	11269	3.438	ng	Qvalue # 59
48) Acenaphthylene	9.73	152	12742	2.124	ng	98
49) Dimethylphthalate	9.57	163	25830	5.708	ng	# 97
70) Phenanthrene	11.38	178	122402	22.187	ng	98
71) Anthracene	11.43	178	29800	5.337	ng	98
72) Carbazole	11.59	167	12805	2.510	ng	98
74) Fluoranthene	12.57	202	189639	31.010	ng	94
77) Pyrene	12.81	202	160041	29.578	ng	99
80) Benzo(a)anthracene	14.00	228	77913	15.737	ng	99
82) Chrysene	14.03	228	63913	13.900	ng	95
85) Indeno(1,2,3-cd)pyrene	16.98	276	26641	6.517	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	67533m	19.604	ng	
88) Benzo(k)fluoranthene	15.08	252	19159m	5.645	ng	
89) Benzo(a)pyrene	15.43	252	45205	14.434	ng	97
90) Dibenzo(a,h)anthracene	16.97	278	8661	3.137	ng	93
91) Benzo(g,h,i)perylene	17.43	276	26498	10.184	ng	# 90

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

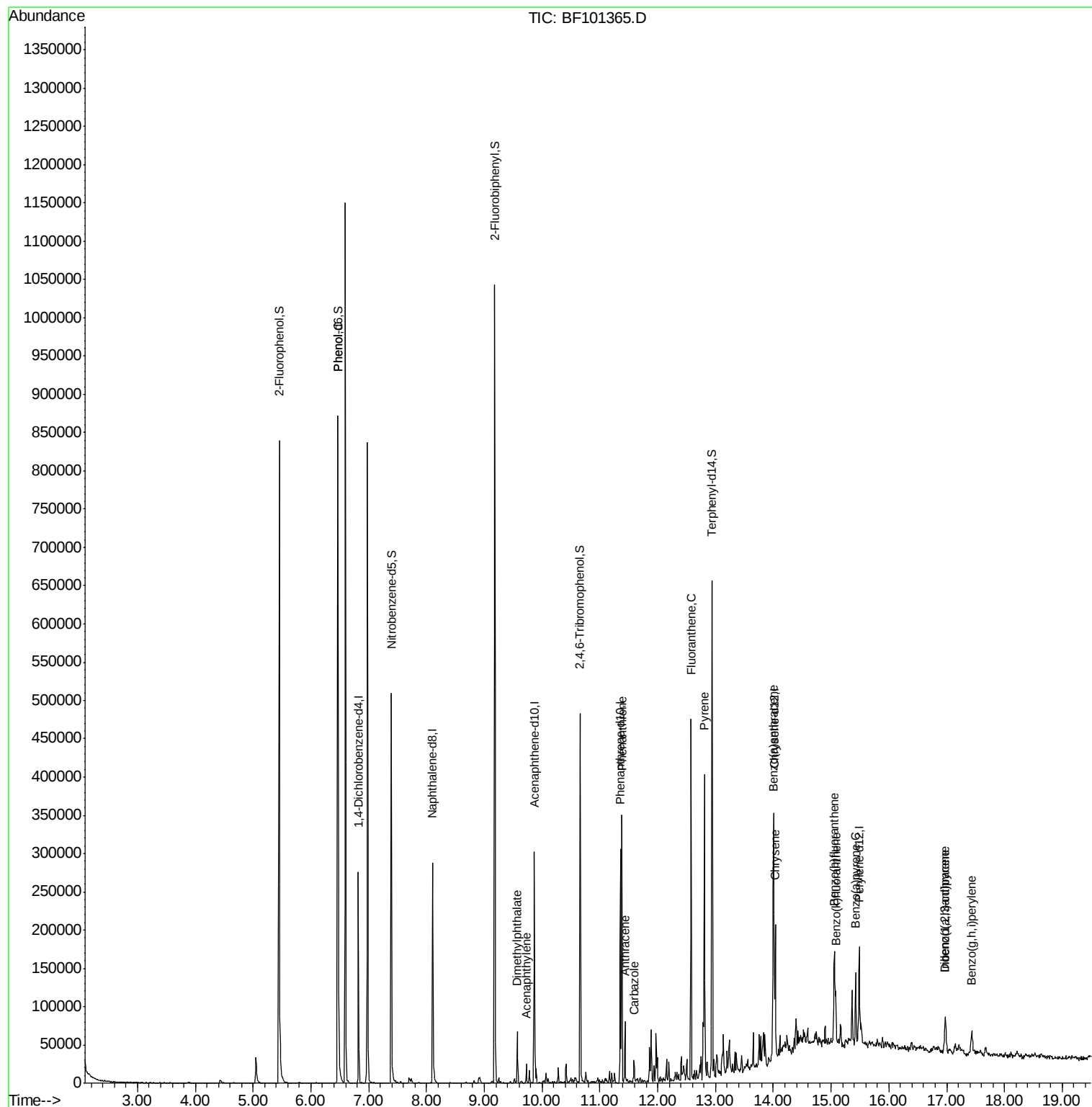
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101365.D
Acq On : 13 Dec 2017 8:11
Operator : SJ/JU
Sample : I6764-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

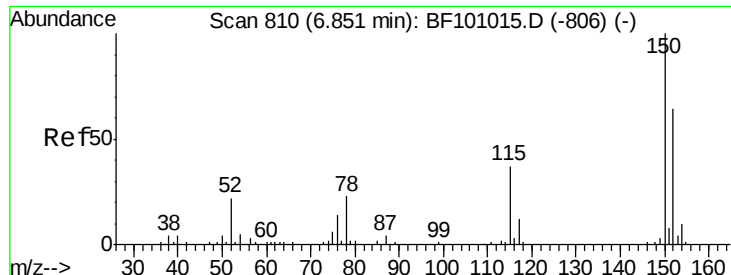
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Manual Integrations
APPROVED

Sohil
12/13/2017 2:08:02 PM

Quant Time: Dec 13 09:40:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration





#1

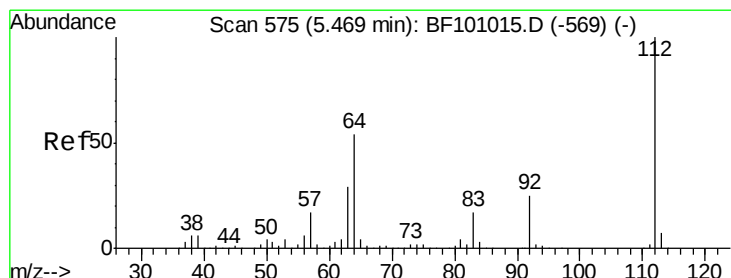
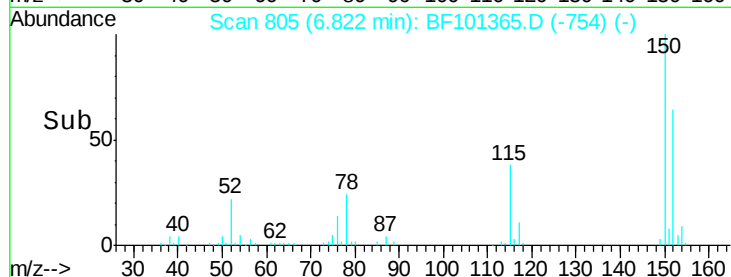
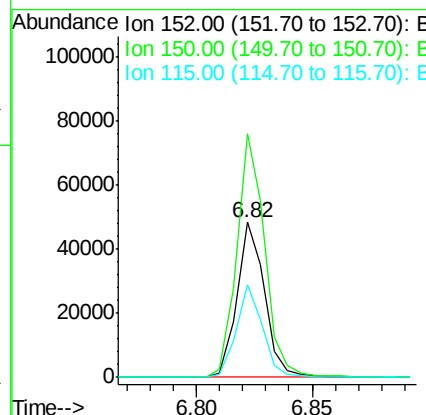
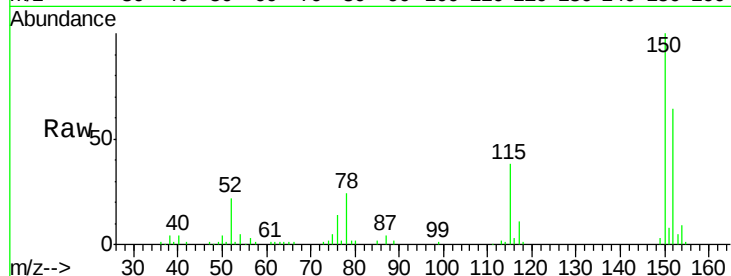
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampled :
MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	60.0	50.1	75.1

Manual Integrations
APPROVED

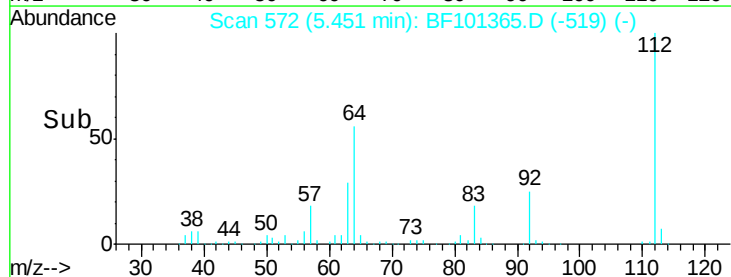
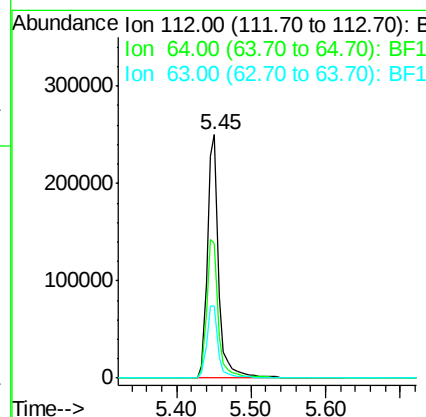
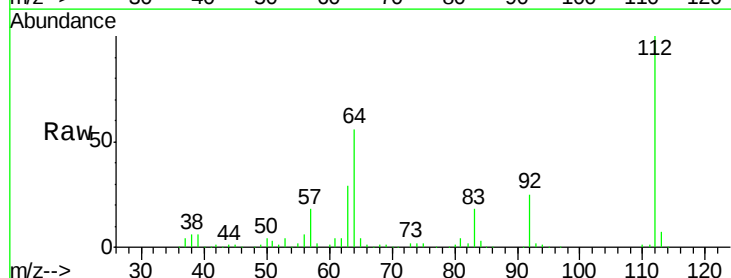
Sohil
12/13/2017 2:08:02 PM



#5

2-Fluorophenol
Concen: 111.299 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	29.5	23.7	35.5





#7

Phenol-d6

Concen: 108.712 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101365.D

Acq: 13 Dec 2017 8:11

Instrument :

BNA_F

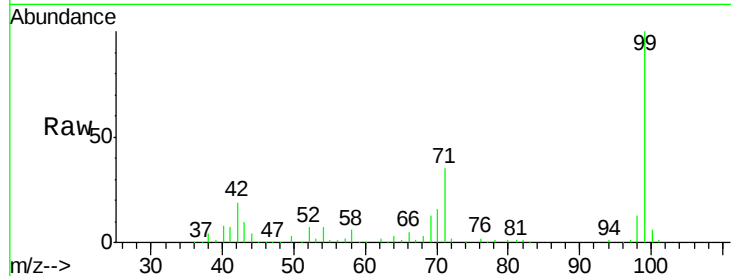
ClientSampleId :

MAP-3-E(7-8)

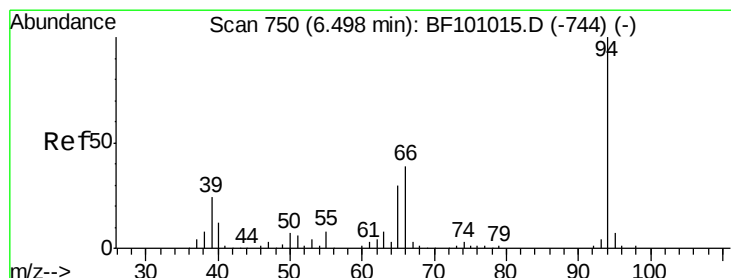
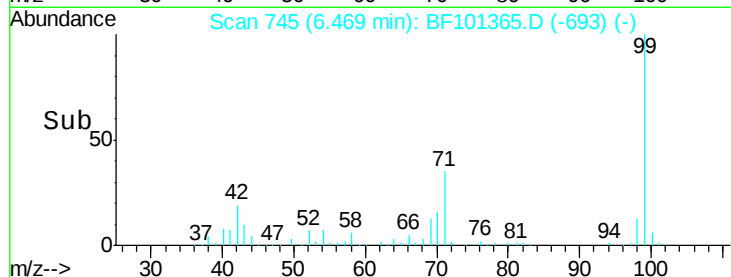
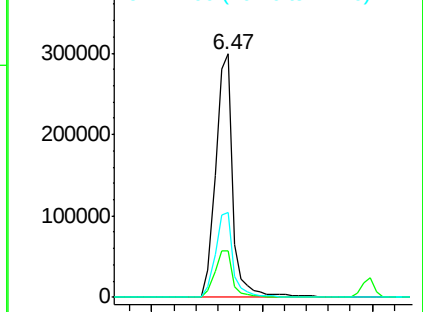
Tot Ion:	99	Resp:	320421
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.5	21.7
71	34.8	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/13/2017 2:08:02 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



#10

Phenol

Concen: 3.438 ng

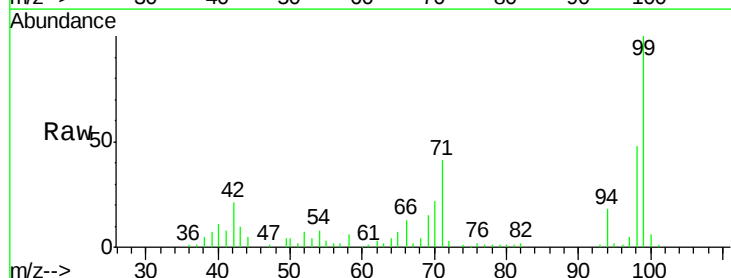
RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

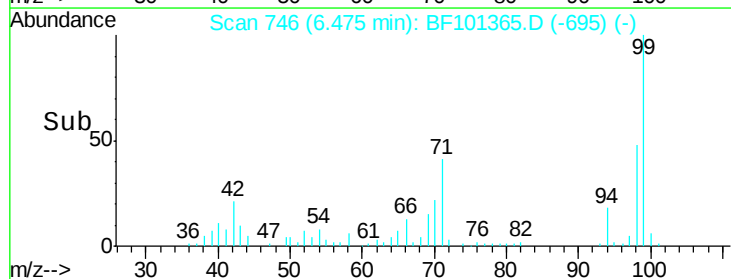
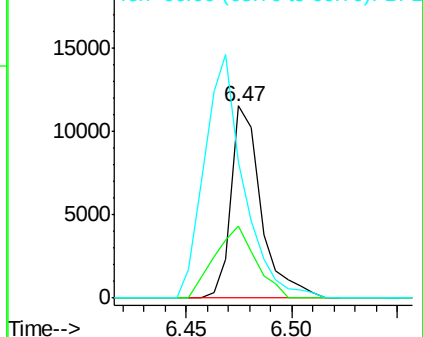
Lab File: BF101365.D

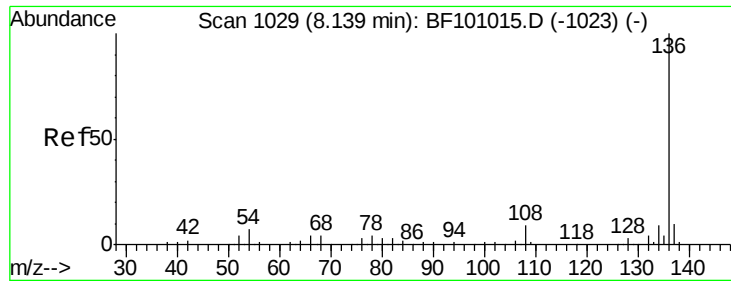
Acq: 13 Dec 2017 8:11

Tgt Ion:	94	Resp:	11269
Ion Ratio	Lower	Upper	
94	100		
65	37.8	7.9	47.9
66	70.9	16.2	56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





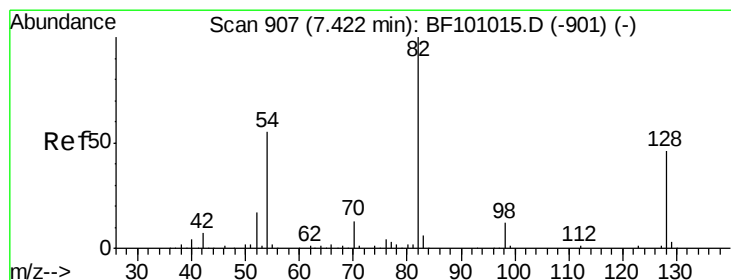
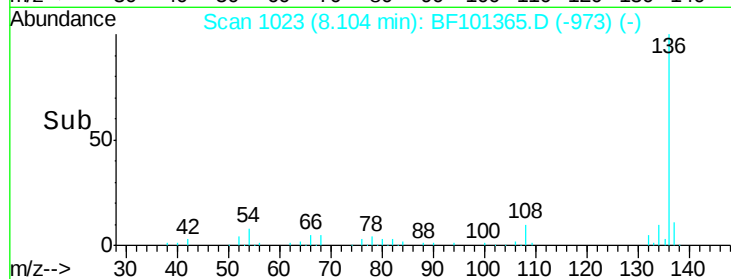
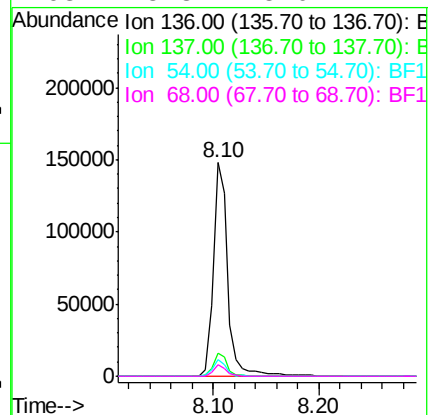
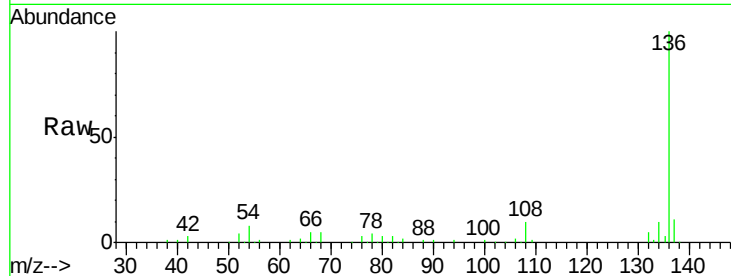
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	8.0	6.6	9.8	
68	5.3	5.0	7.4	

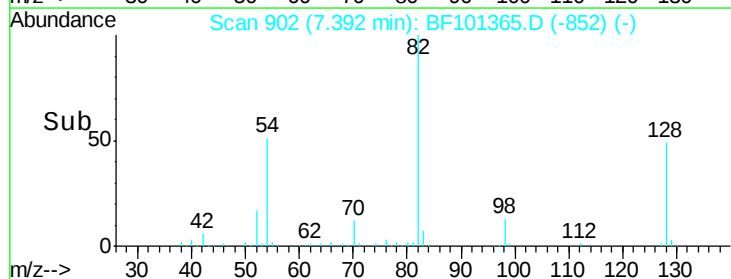
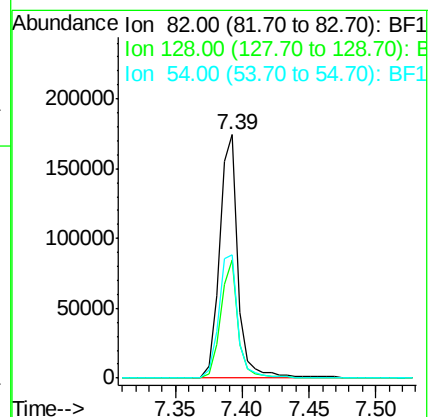
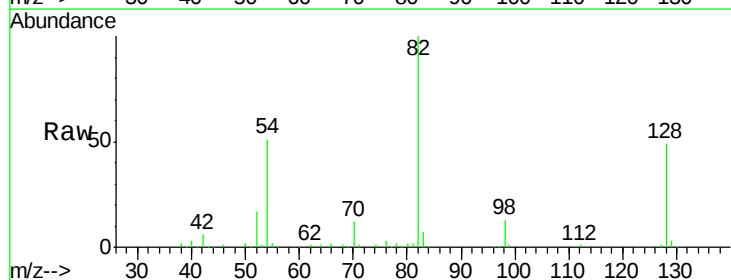
Manual Integrations
APPROVED

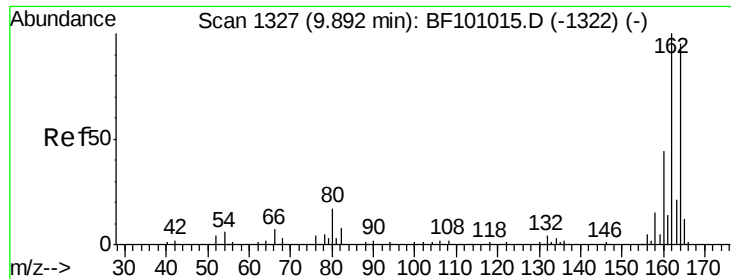
Sohil
12/13/2017 2:08:02 PM



#23
Nitrobenzene-d5
Concen: 72.152 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.7	36.1	54.1	
54	50.9	41.4	62.2	





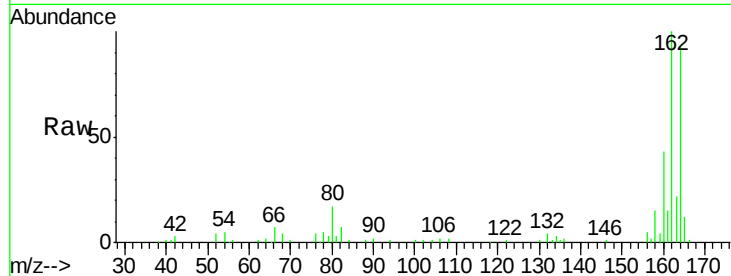
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampled :
MAP-3-E(7-8)

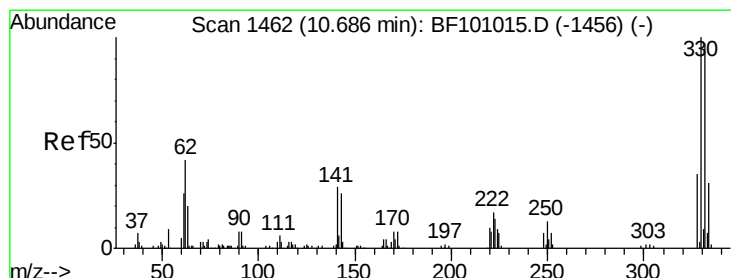
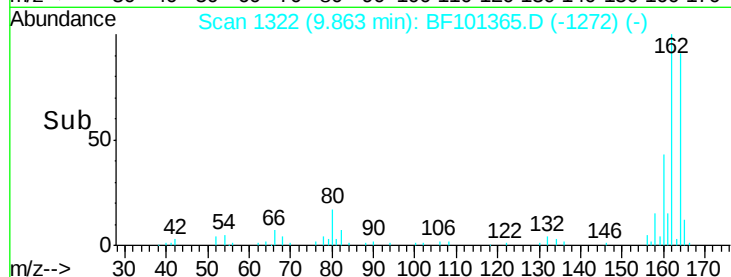
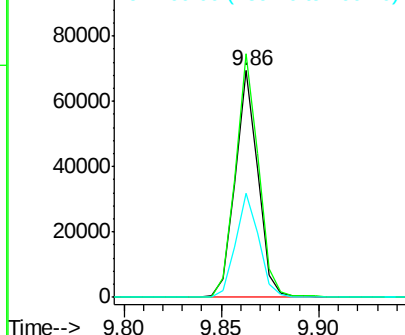
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.3	86.1	129.1
160	46.0	38.3	57.5

Manual Integrations
APPROVED

Sohil
12/13/2017 2:08:02 PM

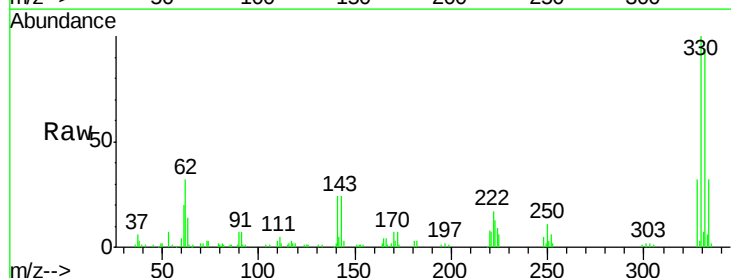


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

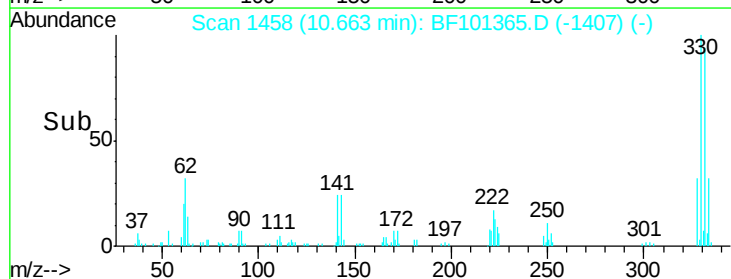
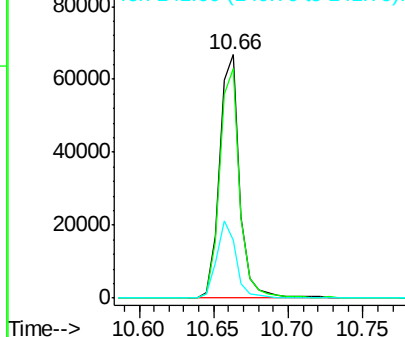


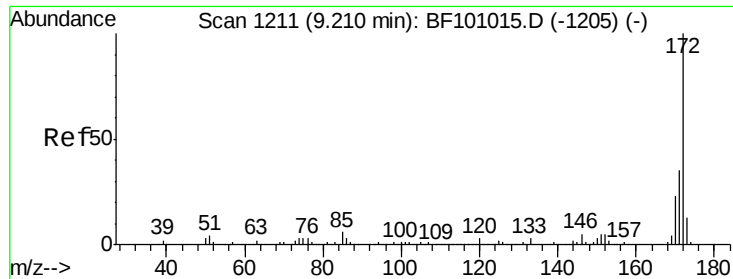
#41
2,4,6-Tribromophenol
Concen: 93.909 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	30.2	29.9	44.9



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





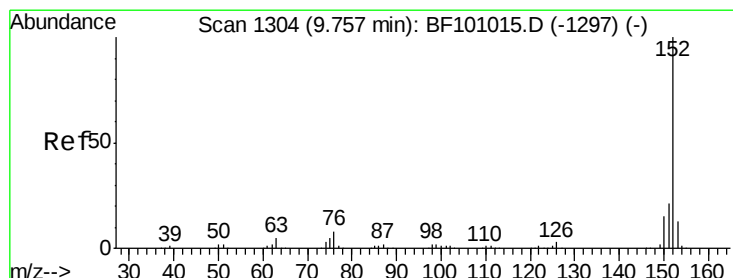
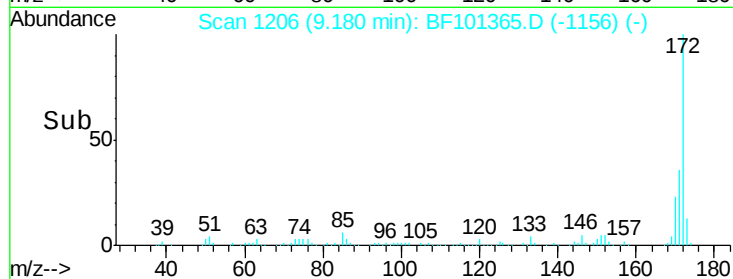
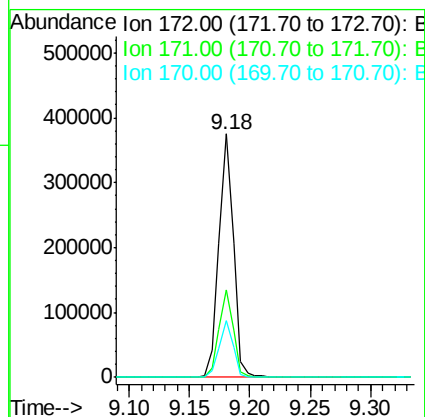
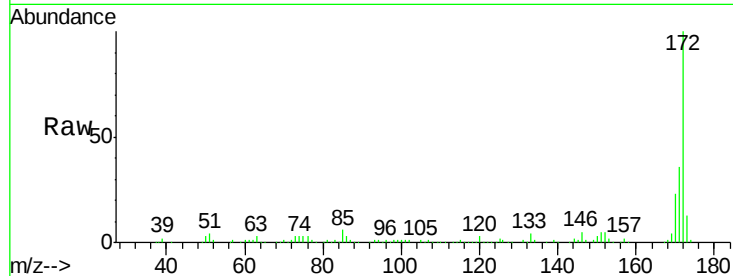
#44
2-Fluorobiphenyl
Concen: 75.068 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.4	19.6	29.4	

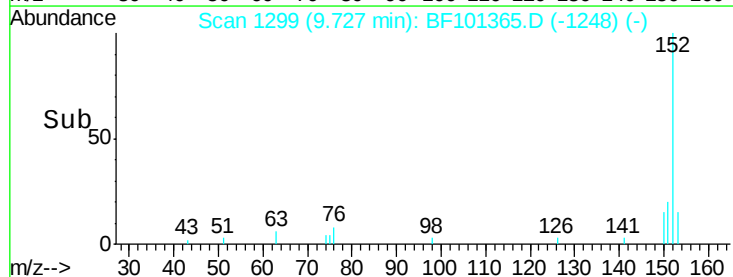
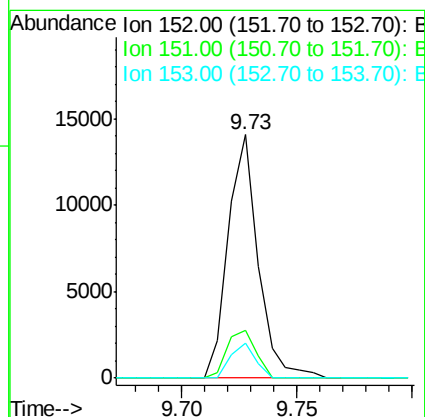
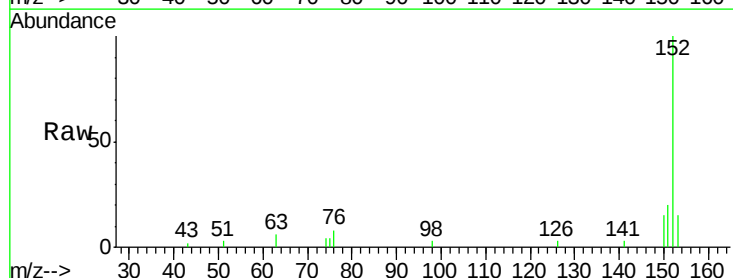
Manual Integrations
APPROVED

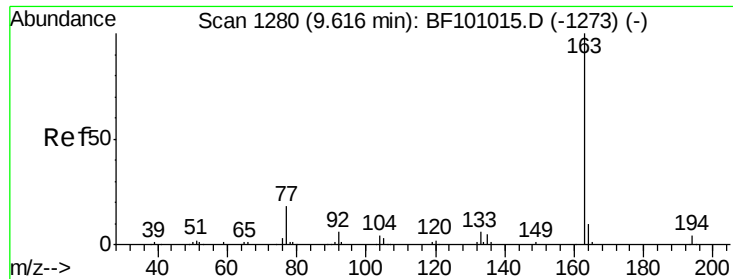
Sohil
12/13/2017 2:08:02 PM



#48
Acenaphthylene
Concen: 2.124 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.6	16.3	24.5	
153	14.5	10.7	16.1	





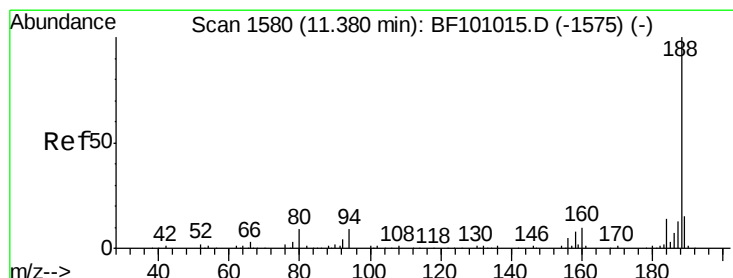
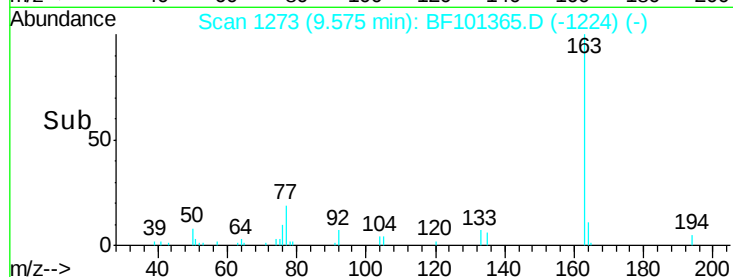
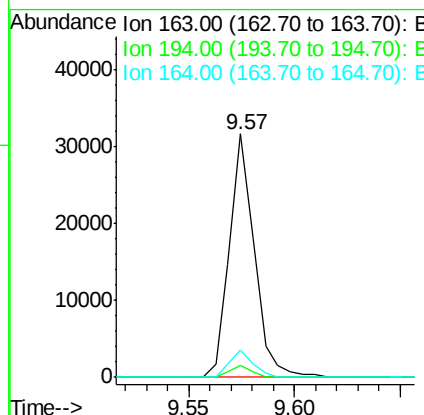
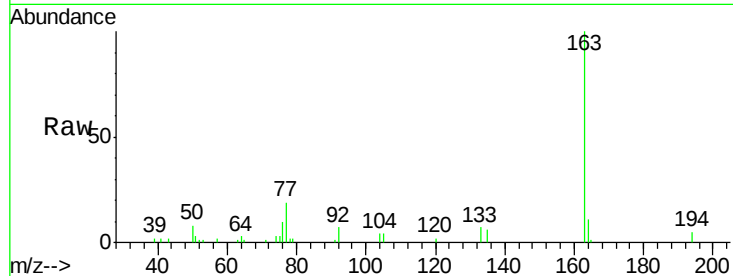
#49
Dimethylphthalate
Concen: 5.708 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25830		
194	4.8		2.7	4.1#
164	11.1		8.2	12.2

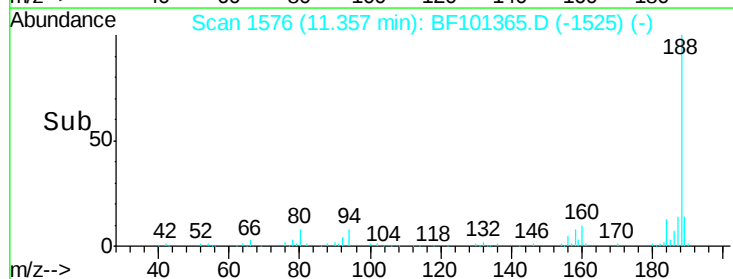
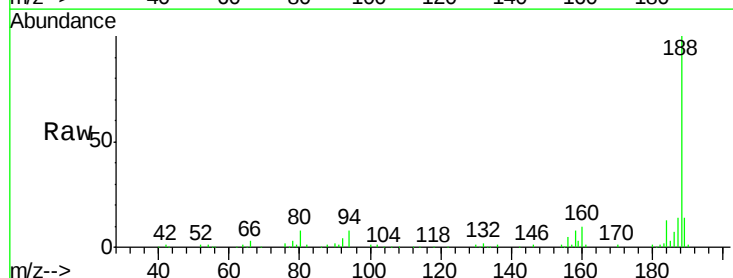
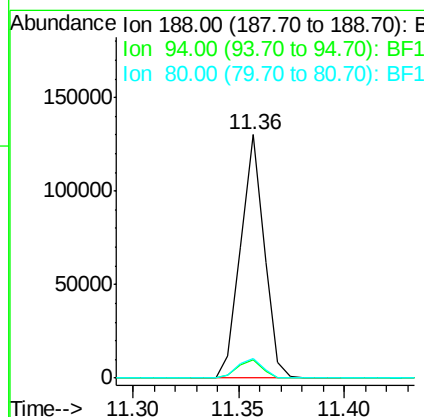
Manual Integrations
APPROVED

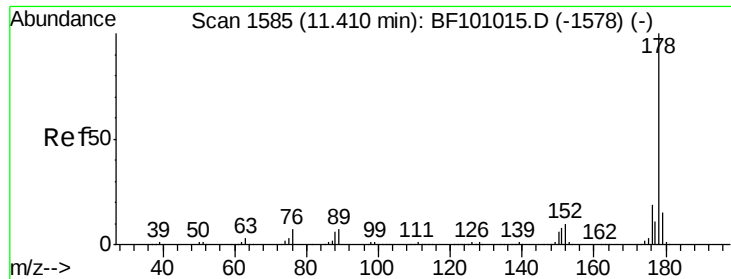
Sohil
12/13/2017 2:08:02 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	100180		
94	7.7		8.5	12.7#
80	7.9		9.2	13.8#





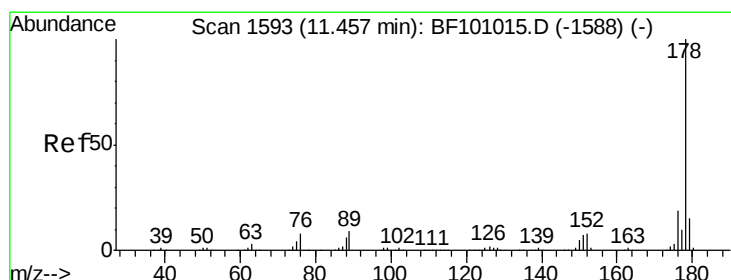
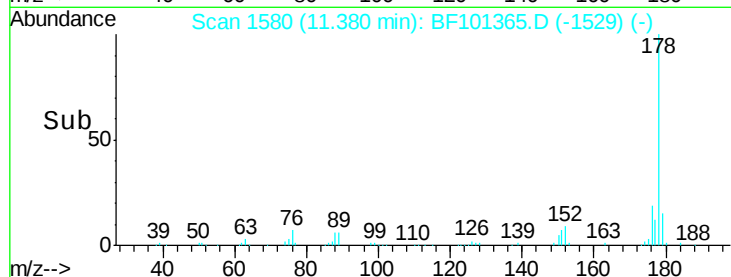
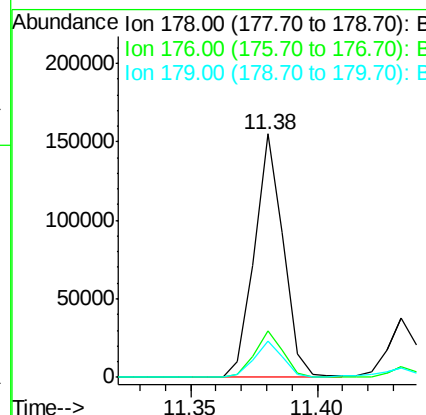
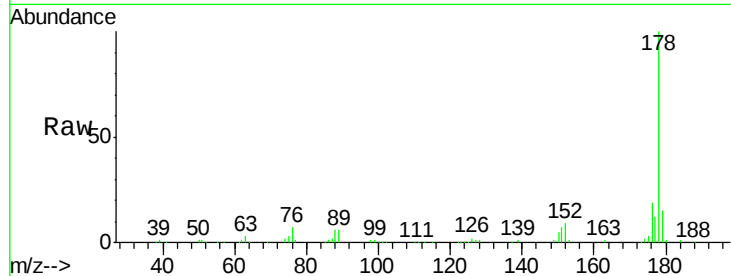
#70
Phenanthrene
Concen: 22.187 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

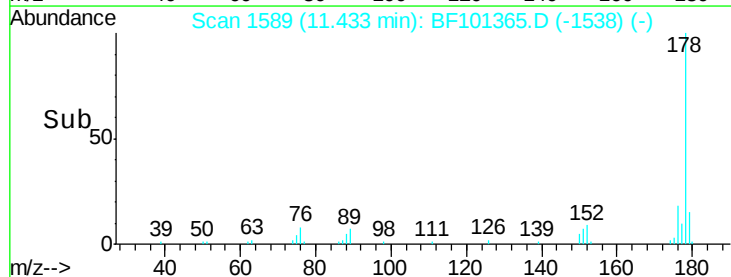
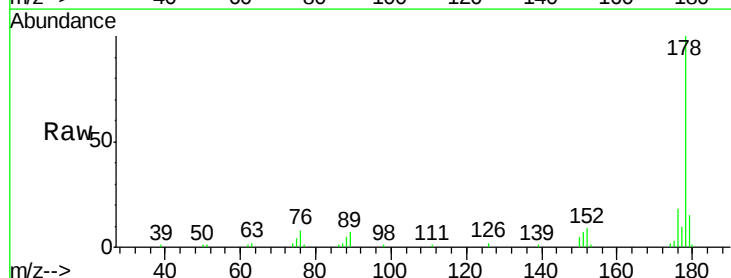
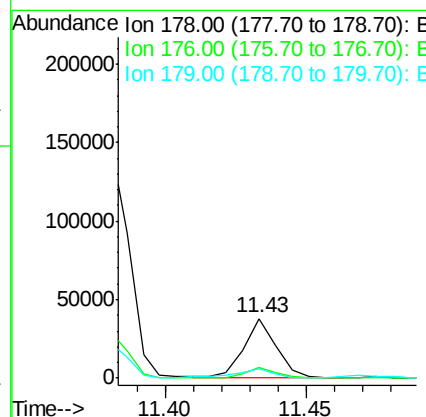
Manual Integrations
APPROVED

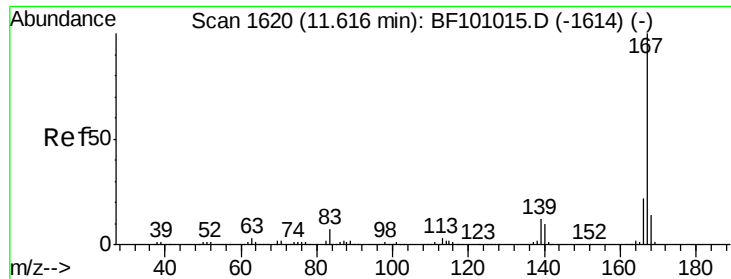
Sohil
12/13/2017 2:08:02 PM



#71
Anthracene
Concen: 5.337 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.2	12.6	19.0





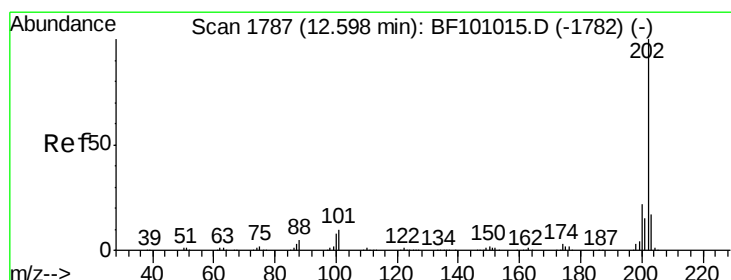
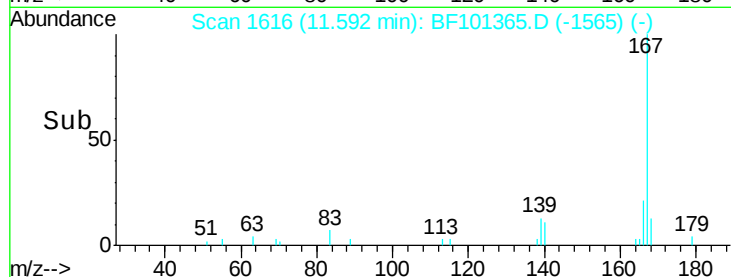
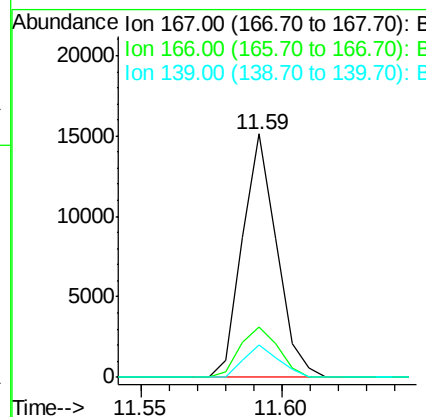
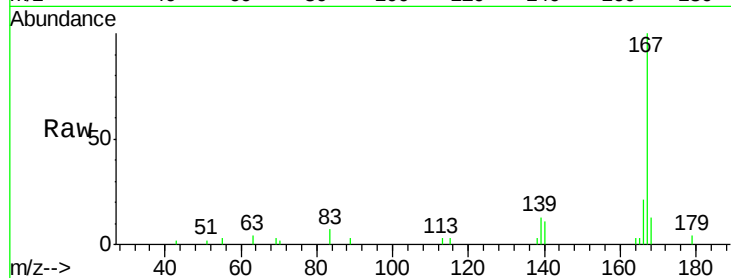
#72
 Carbazole
 Concen: 2.510 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BF101365.D
 Acq: 13 Dec 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.6	26.4
139	13.4	10.9	16.3

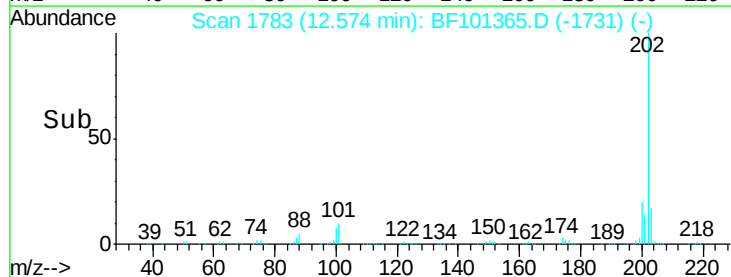
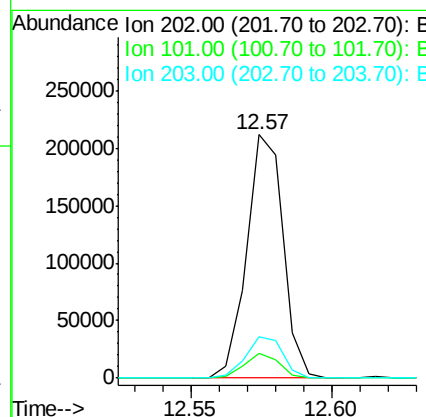
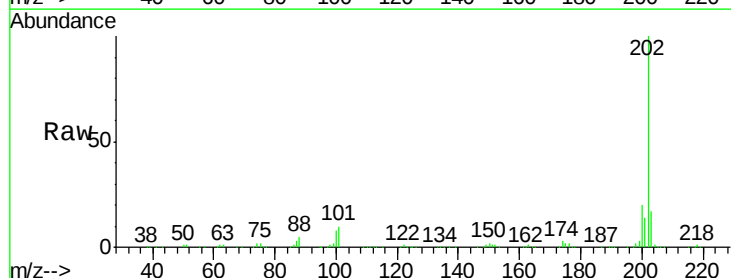
Manual Integrations
 APPROVED

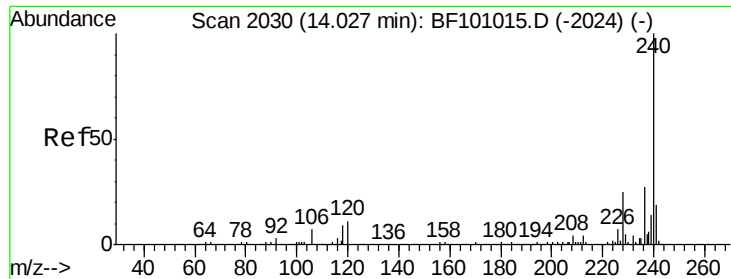
Sohil
 12/13/2017 2:08:02 PM



#74
 Fluoranthene
 Concen: 31.010 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101365.D
 Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101365.D

Acq: 13 Dec 2017 8:11

Instrument :

BNA_F

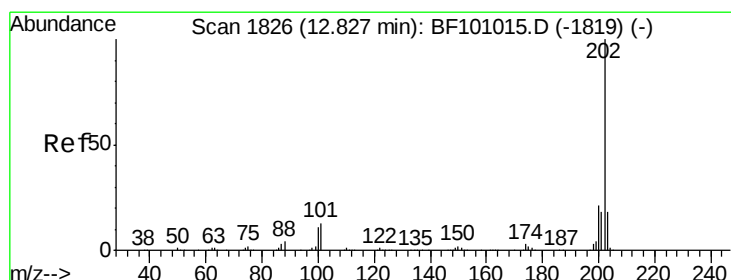
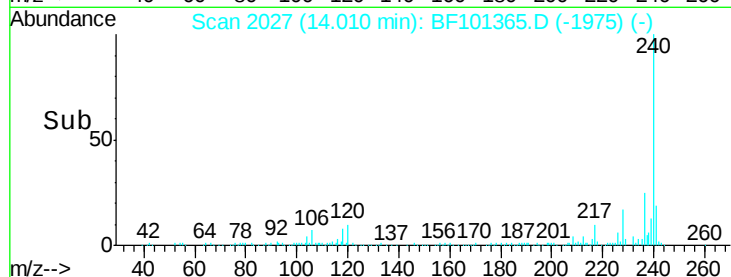
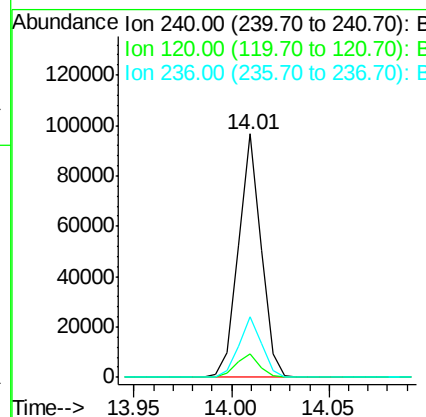
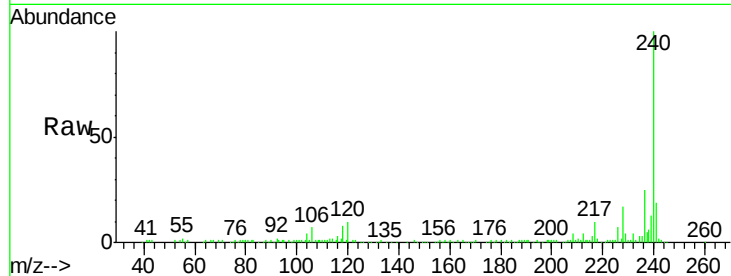
ClientSampleId :

MAP-3-E(7-8)

Tot Ion:	240	Resp:	78415
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	24.7	20.7	31.1

Manual Integrations
APPROVED

Sohil
12/13/2017 2:08:02 PM



#77

Pyrene

Concen: 29.578 ng

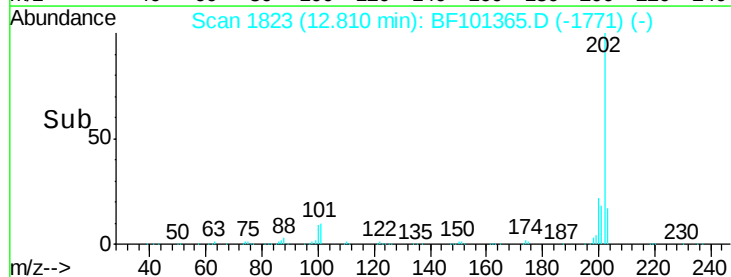
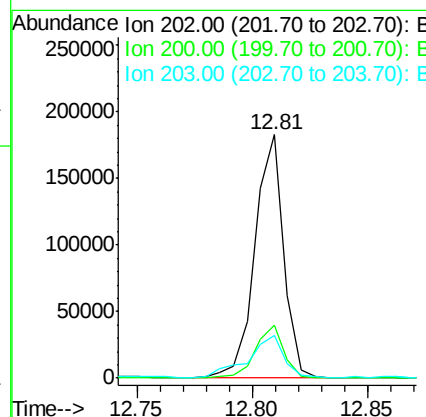
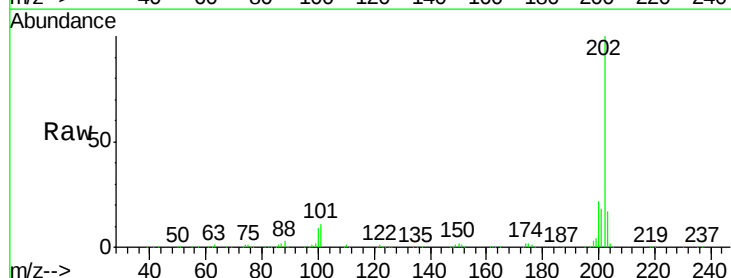
RT: 12.81 min Scan# 1823

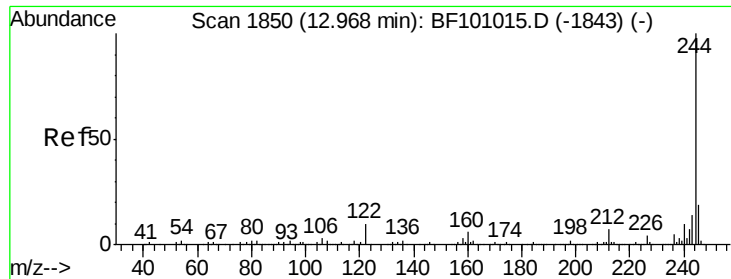
Delta R.T. 0.01 min

Lab File: BF101365.D

Acq: 13 Dec 2017 8:11

Tgt Ion:	202	Resp:	160041
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.4	14.3	21.5





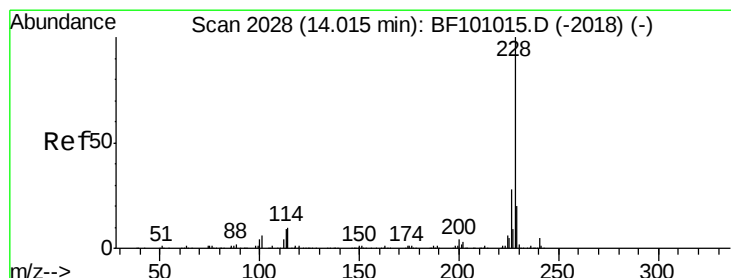
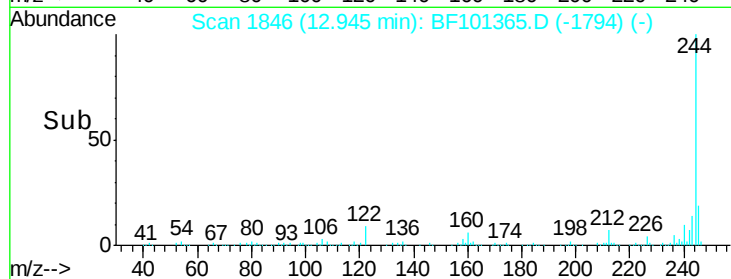
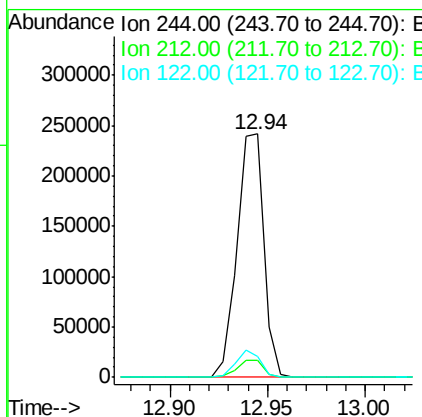
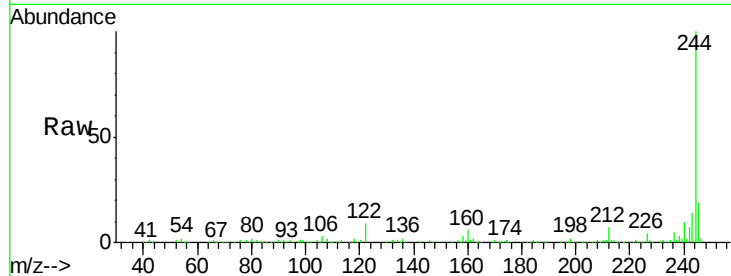
#78
 Terphenyl-d14
 Concen: 64.316 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101365.D
 Acq: 13 Dec 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.6	11.0	16.4

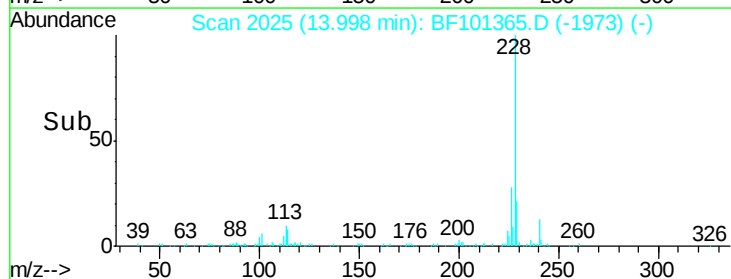
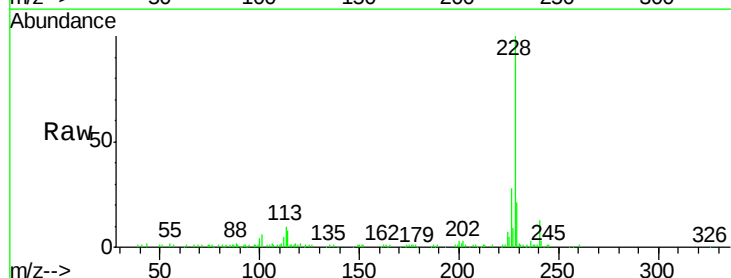
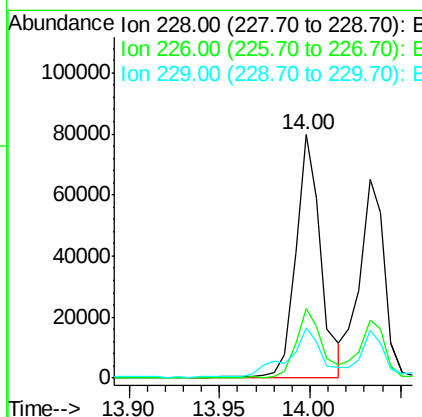
Manual Integrations
 APPROVED

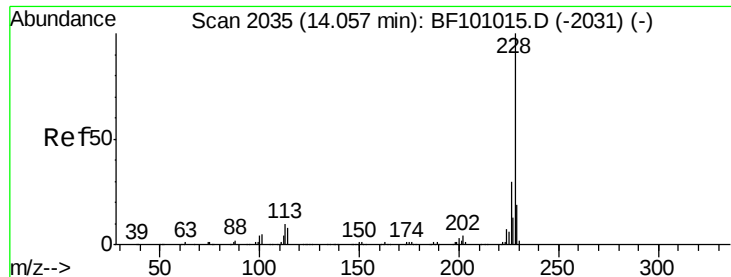
Sohil
 12/13/2017 2:08:02 PM



#80
 Benzo(a)anthracene
 Concen: 15.737 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101365.D
 Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 13.900 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101365.D

Acq: 13 Dec 2017 8:11

Instrument :

BNA_F

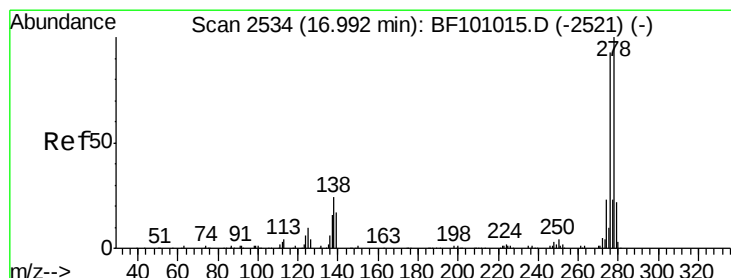
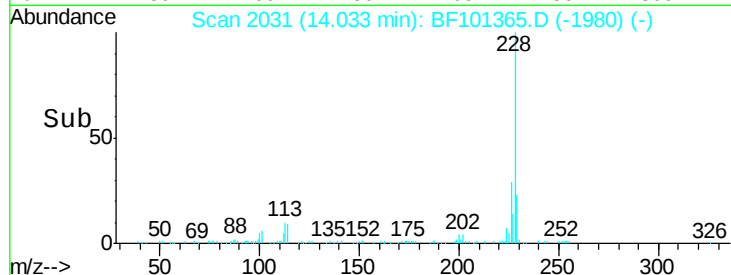
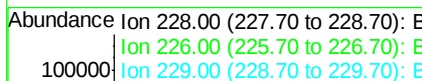
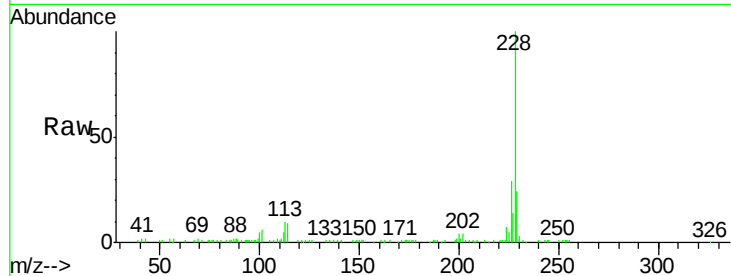
ClientSampleId :

MAP-3-E(7-8)

Tot Ion:	228	Resp:	63913
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.0	37.6
229	23.9	16.2	24.4

Manual Integrations
APPROVED

Sohil
12/13/2017 2:08:02 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.517 ng

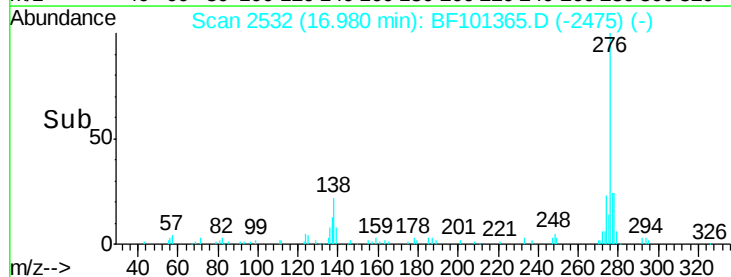
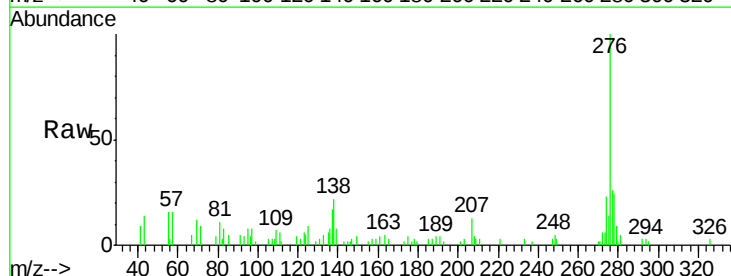
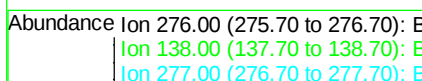
RT: 16.98 min Scan# 2532

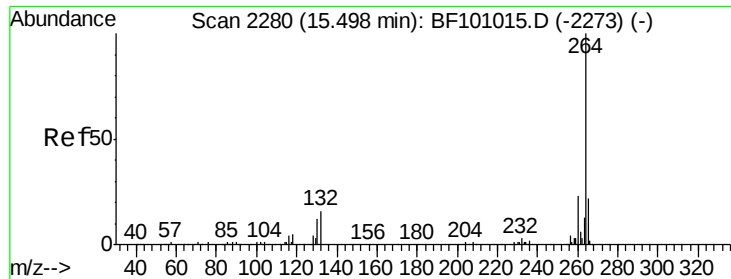
Delta R.T. 0.04 min

Lab File: BF101365.D

Acq: 13 Dec 2017 8:11

Tgt Ion:	276	Resp:	26641
Ion Ratio	Lower	Upper	
276	100		
138	22.5	25.0	37.6#
277	28.6	20.1	30.1





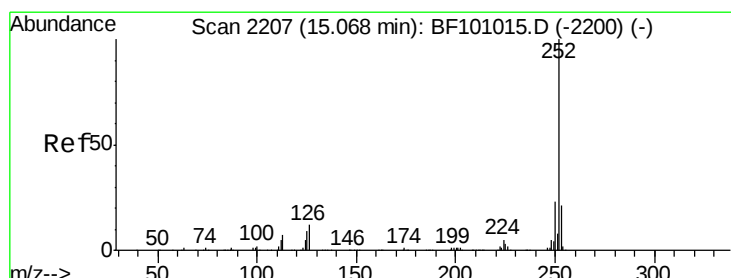
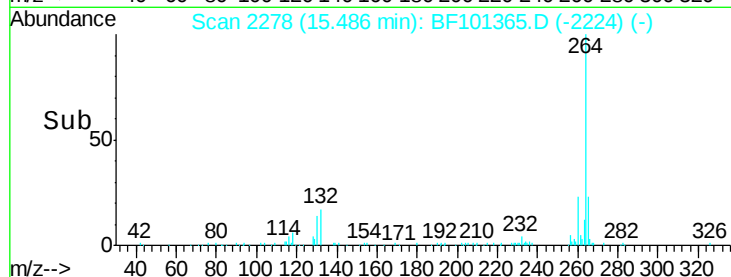
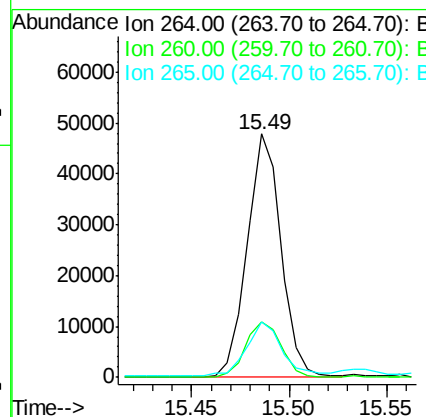
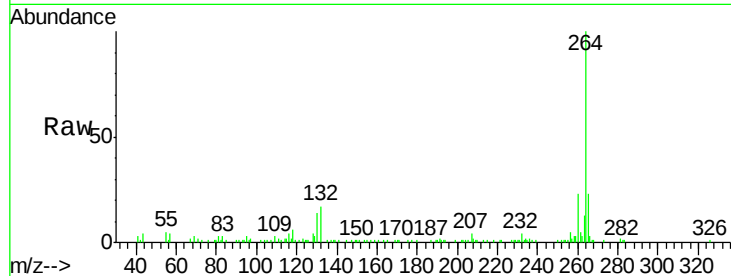
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.8	17.5	26.3

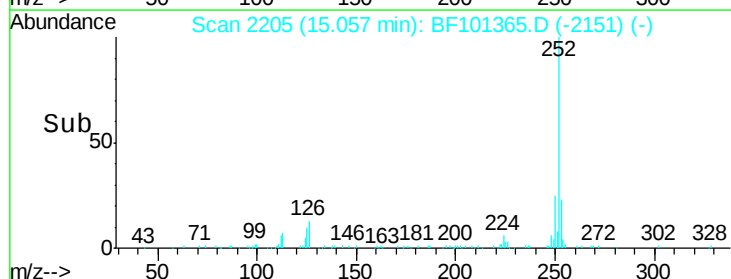
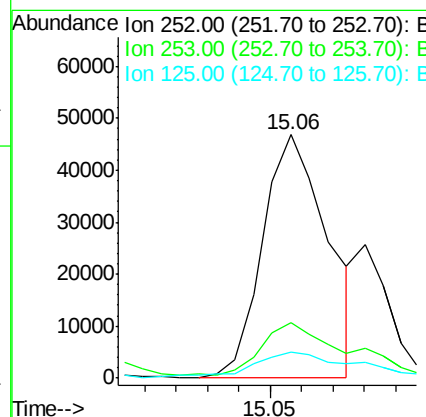
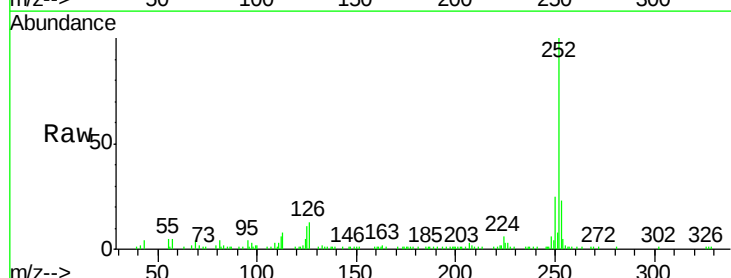
Manual Integrations
APPROVED

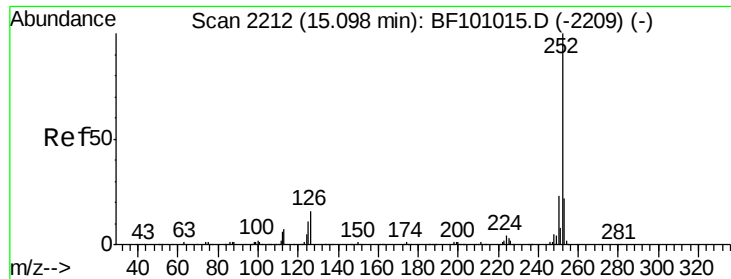
Sohil
12/13/2017 2:08:02 PM



#87
Benzo(b)fluoranthene
Concen: 19.604 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.6	9.0	13.6





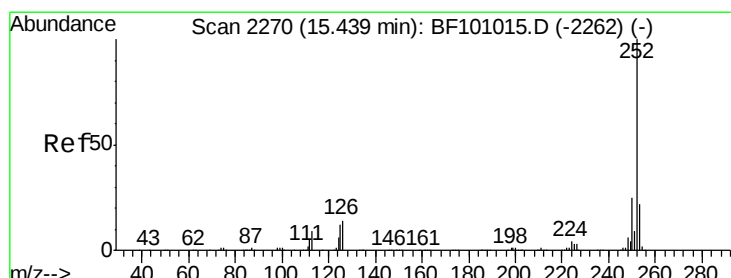
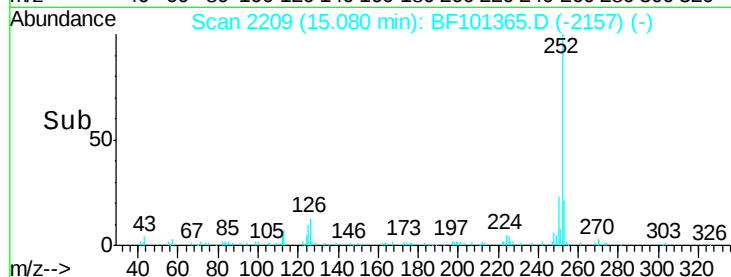
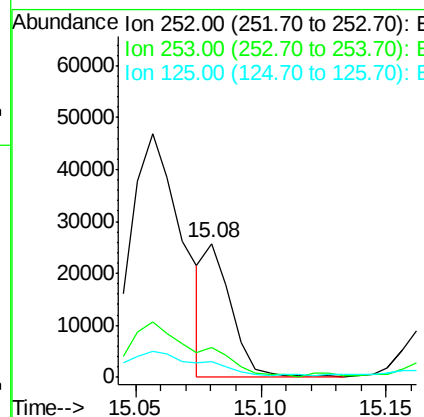
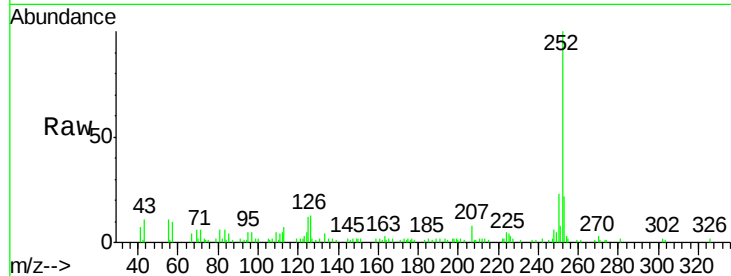
#88
Benzo(k)fluoranthene
Concen: 5.645 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.9	10.2	15.2

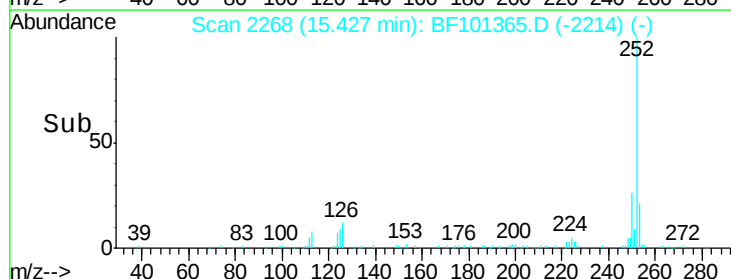
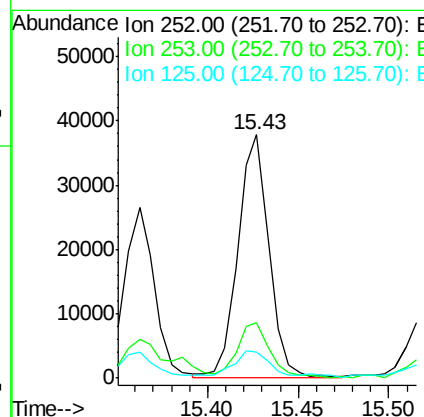
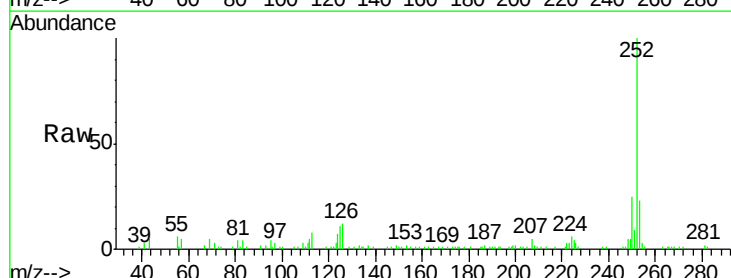
Manual Integrations
APPROVED

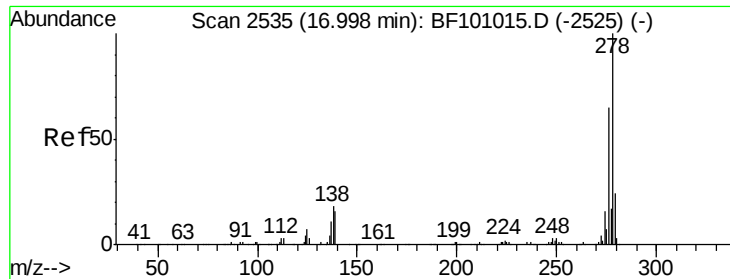
Sohil
12/13/2017 2:08:02 PM



#89
Benzo(a)pyrene
Concen: 14.434 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.5	9.8	14.6





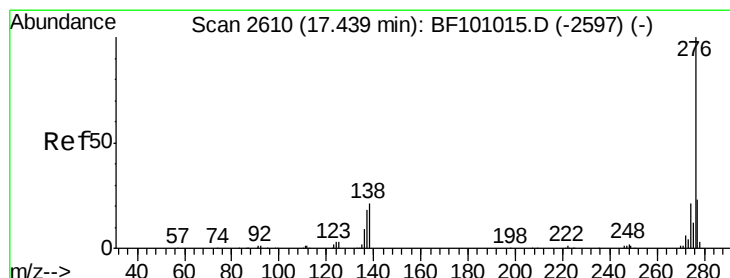
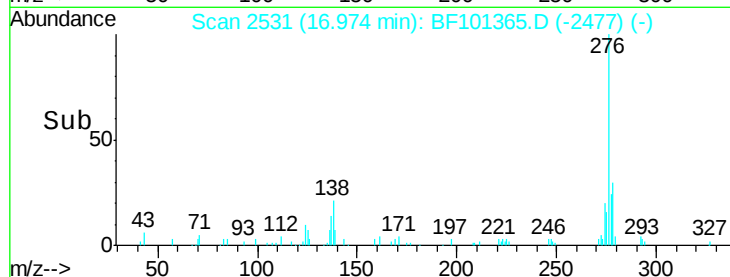
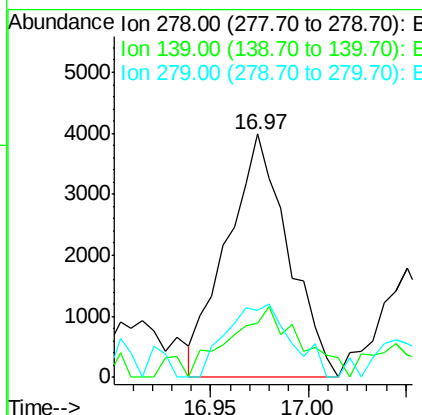
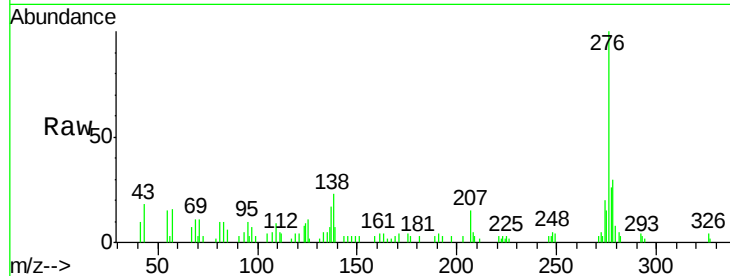
#90
Dibenzo(a,h)anthracene
Concen: 3.137 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.2	15.9	23.9
279	27.6	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/13/2017 2:08:02 PM



#91
Benzo(g,h,i)perylene
Concen: 10.184 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.04 min
Lab File: BF101365.D
Acq: 13 Dec 2017 8:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	20.8	21.8	32.8#

