

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112352.D
 Acq On : 1 Feb 2019 15:35
 Operator : JU/SJ
 Sample : K1299-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0037-COMP-3

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:43:00 PM

Quant Time: Feb 01 16:43:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	166853	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	643162	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	320825	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	580867	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	327817	20.00	ng	-0.01
87) Perylene-d12	15.47	264	358671	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1008275	128.36	ng	0.00
7) Phenol-d6	6.49	99	1230764	112.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	772860	69.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	389404	104.28	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1300944	57.35	ng	-0.01
79) Terphenyl-d14	12.94	244	1111403	63.85	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	28317	2.365	ng	Qvalue 83
31) Naphthalene	8.14	128	437697	14.553	ng	98
37) 2-Methylnaphthalene	8.83	142	142436	6.918	ng	97
38) 1-Methylnaphthalene	8.93	142	112577	5.704	ng	97
50) Dimethylphthalate	9.59	163	141188	5.664	ng	99
52) Acenaphthene	9.90	154	97962	5.144	ng	98
58) Fluorene	10.42	166	77271	3.548	ng	100
71) Phenanthrene	11.38	178	445918	14.766	ng	98
72) Anthracene	11.43	178	154925	5.150	ng	98
75) Fluoranthene	12.57	202	334864	10.339	ng	97
78) Pyrene	12.80	202	359058	15.820	ng	98
81) Benzo(a)anthracene	13.99	228	156865m	8.140	ng	
83) Chrysene	14.03	228	135067	7.343	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	83535	5.731	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	151131m	7.046	ng	
89) Benzo(k)fluoranthene	15.07	252	62733m	3.053	ng	
90) Benzo(a)pyrene	15.40	252	153957	7.977	ng	97
92) Benzo(g,h,i)perylene	17.39	276	82144	5.597	ng	96

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

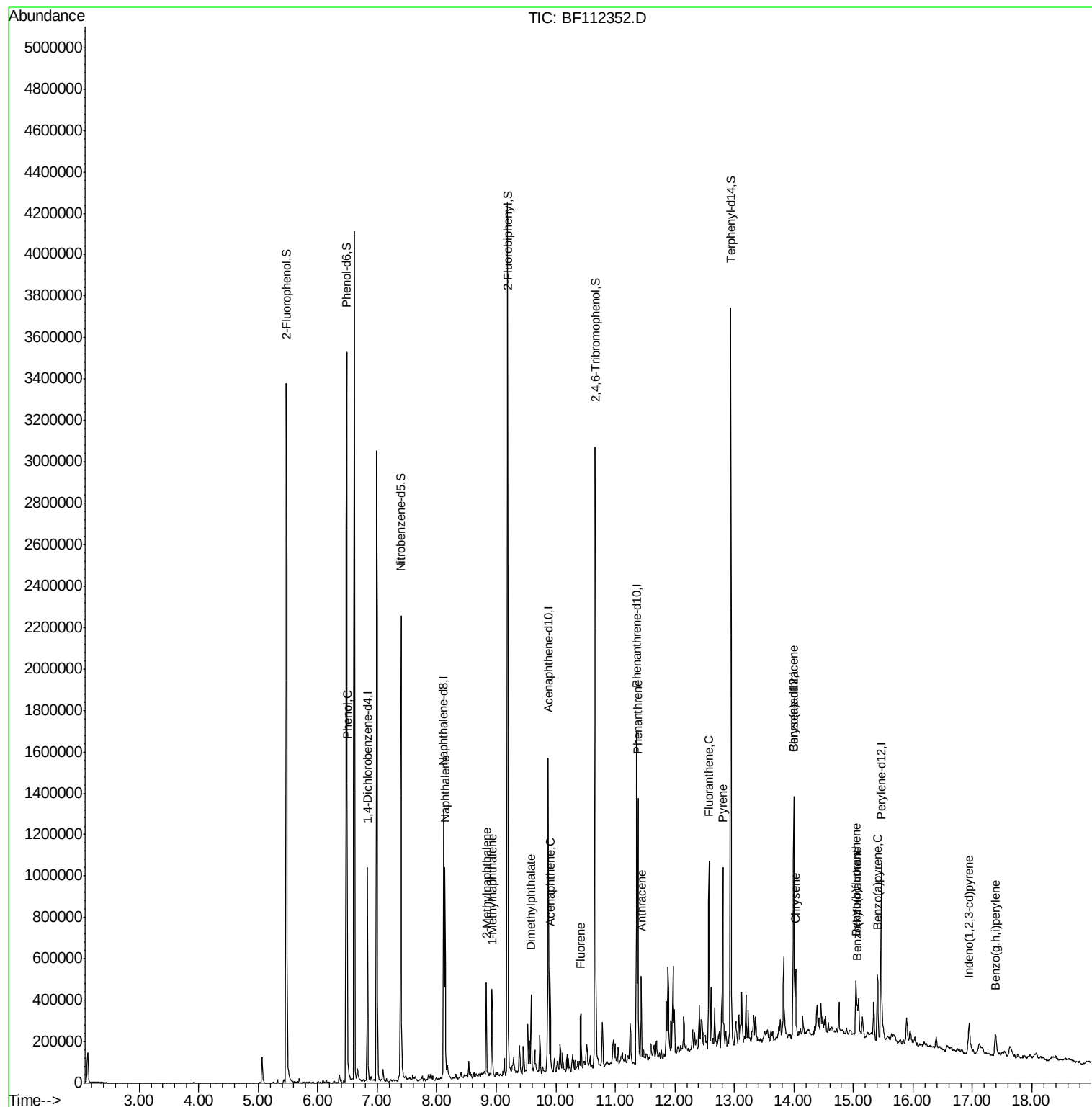
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112352.D
Acq On : 1 Feb 2019 15:35
Operator : JU/SJ
Sample : K1299-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

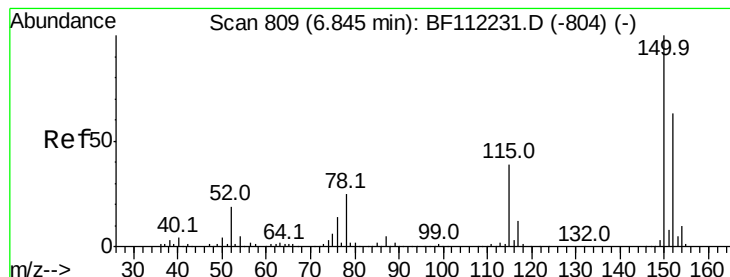
Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM

Quant Time: Feb 01 16:43:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

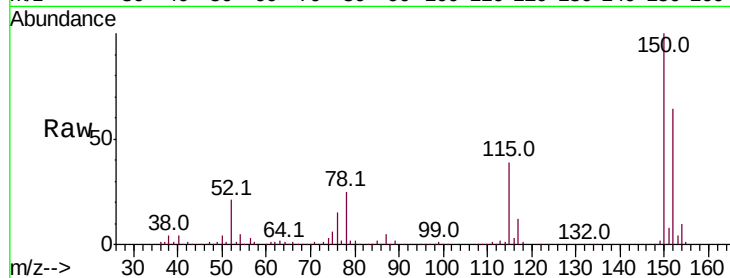
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.4	191.0
115	60.5	45.5	68.3

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM

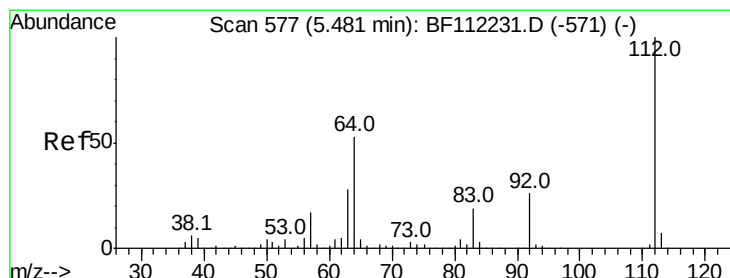
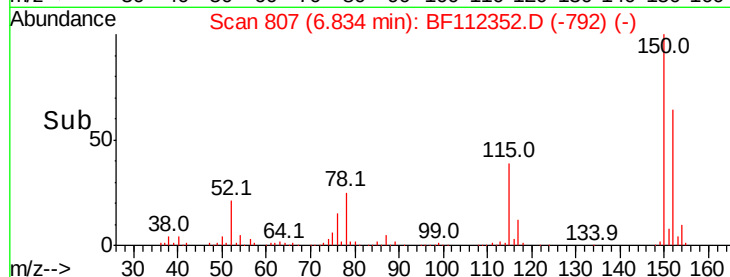
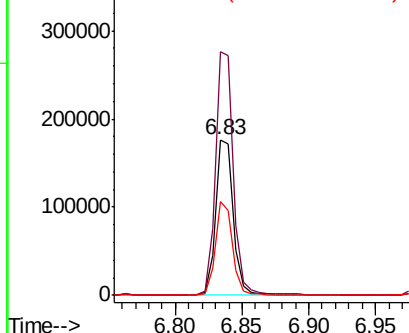


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

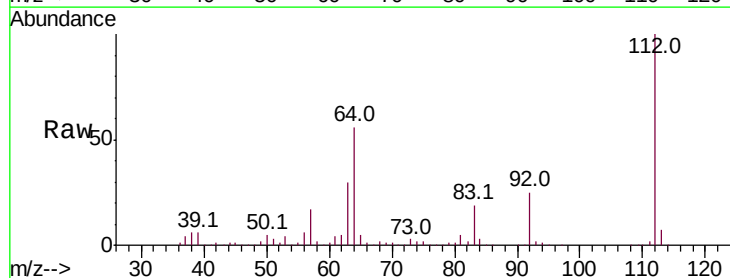
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.355 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.7	68.5
63	29.8	23.6	35.4

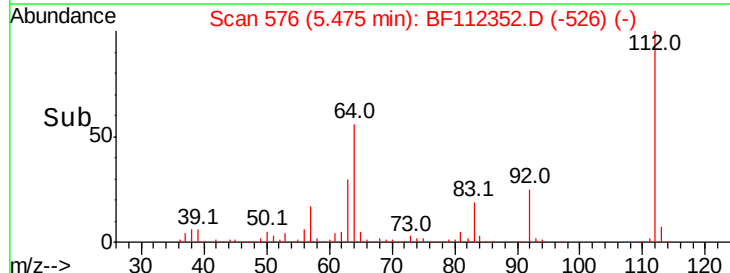
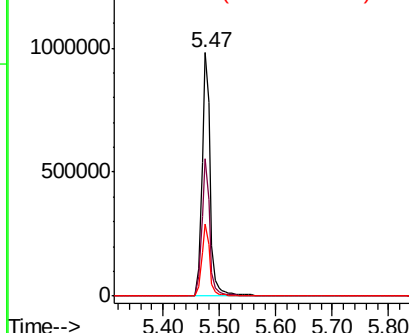


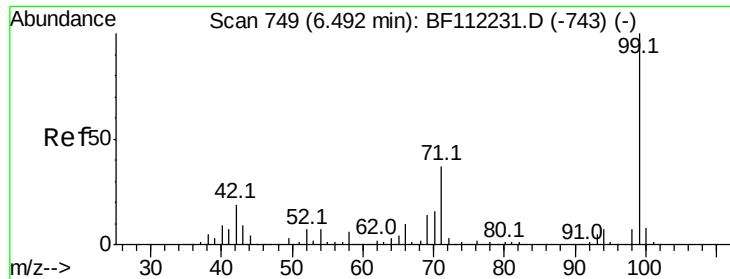
Abundance

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: 112.755 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA_F

ClientSampleId :

0037-COMP-3

Tot Ion: 99 Resp: 1230764

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

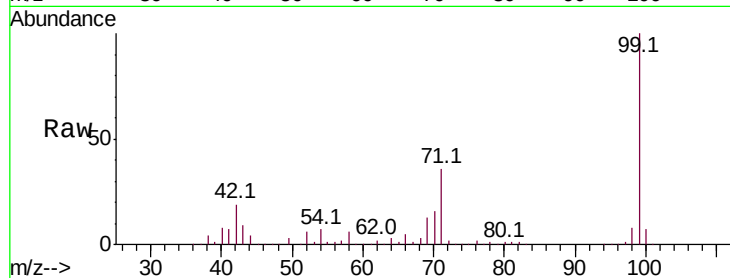
71 35.7 26.9 40.3

Manual Integrations

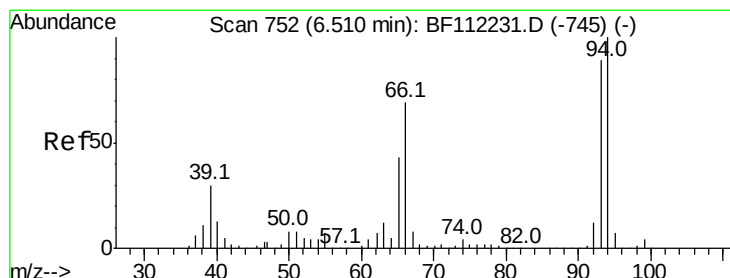
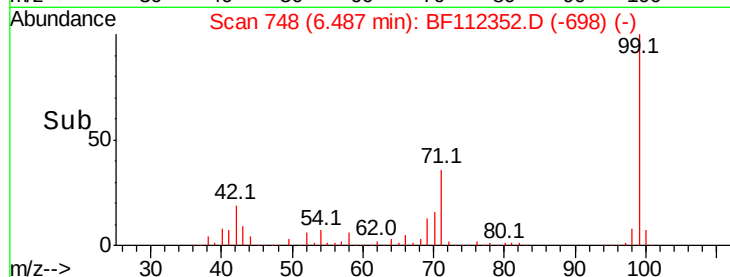
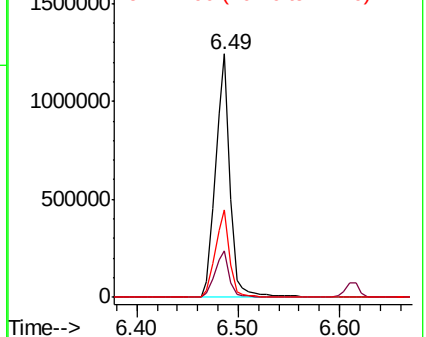
APPROVED

apatel

2/4/2019 12:43:00 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: 2.365 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

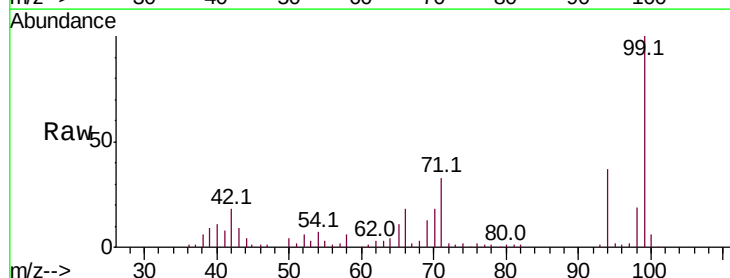
Tgt Ion: 94 Resp: 28317

Ion Ratio Lower Upper

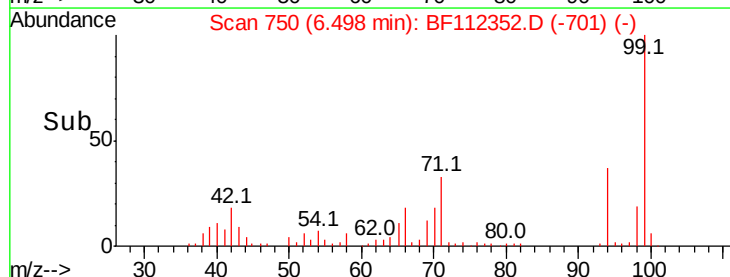
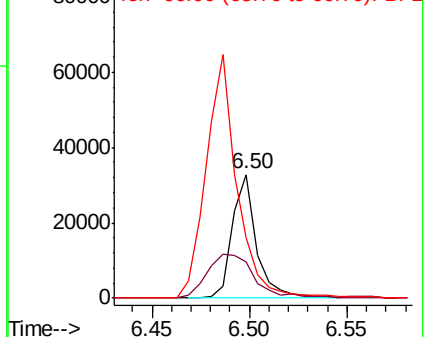
94 100

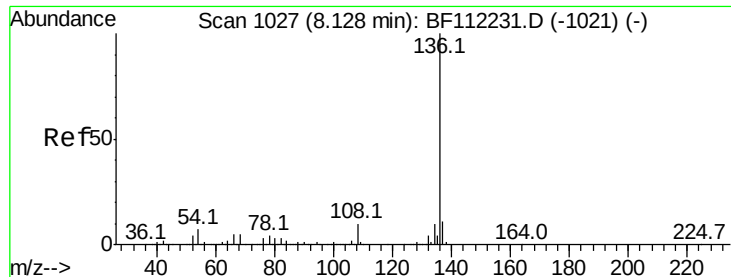
65 29.5 20.3 60.3

66 49.0 42.4 82.4



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





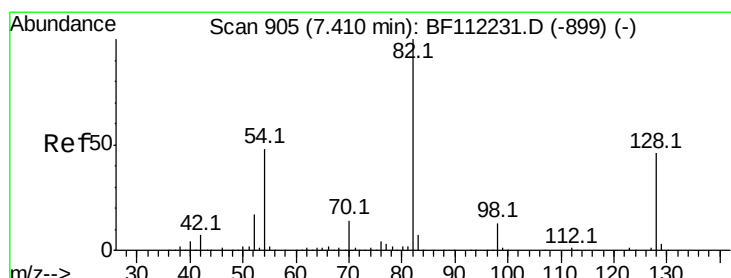
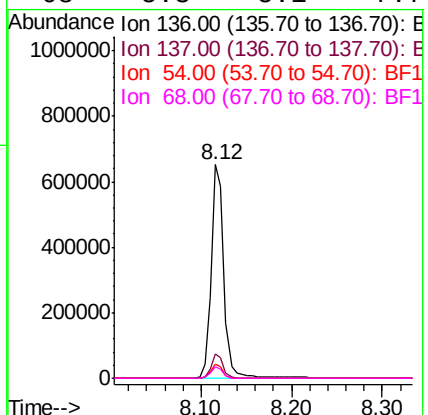
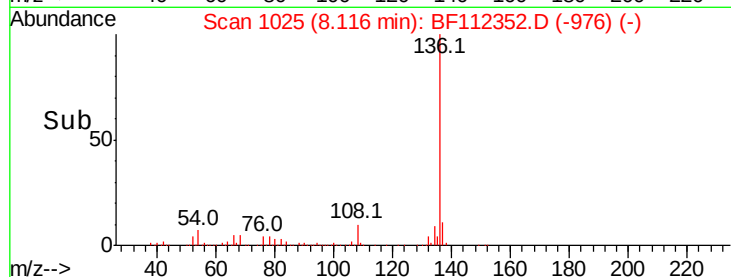
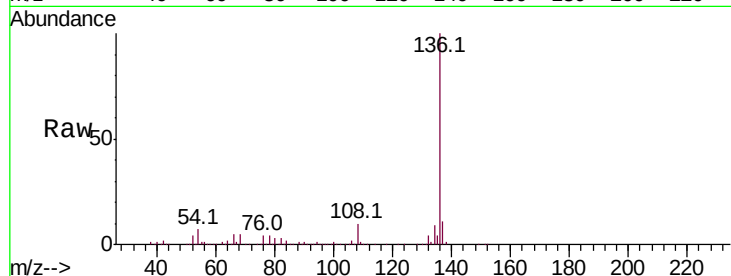
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.8	5.9	8.9
68	5.3	5.1	7.7

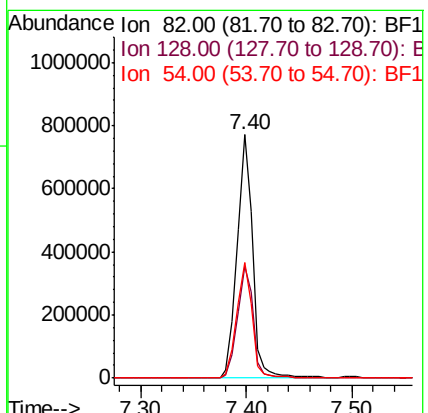
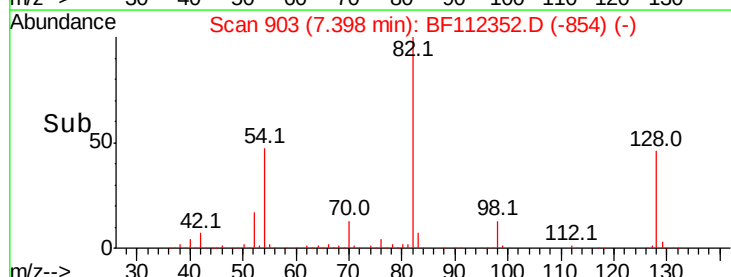
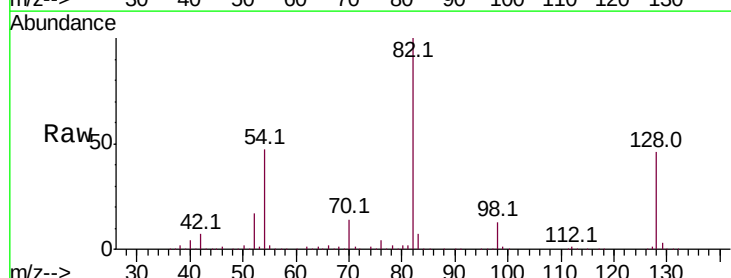
Manual Integrations
APPROVED

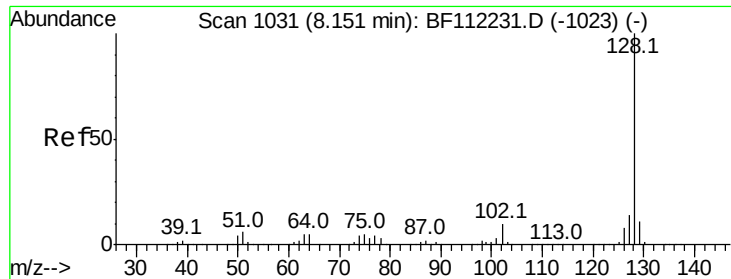
apatel
2/4/2019 12:43:00 PM



#23
Nitrobenzene-d5
Concen: 69.239 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.0	37.8	56.8
54	47.3	39.7	59.5





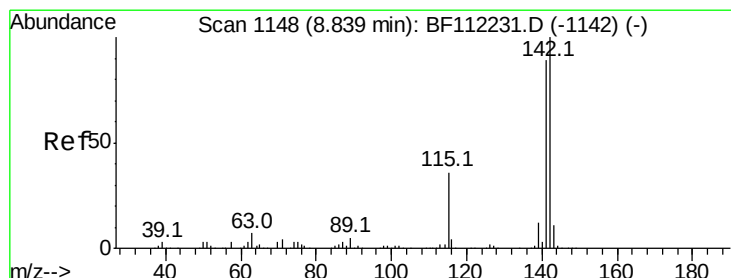
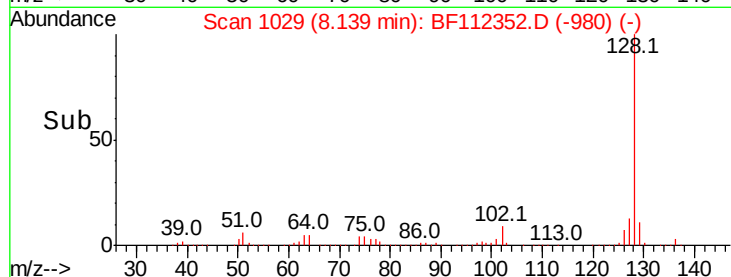
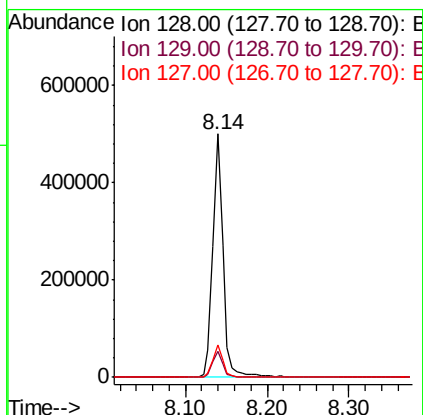
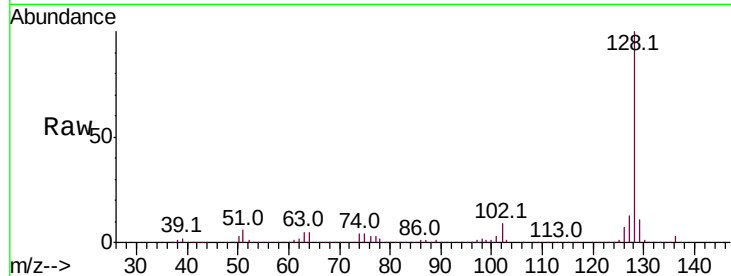
#31
Naphthalene
Concen: 14.553 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.4	11.1	16.7

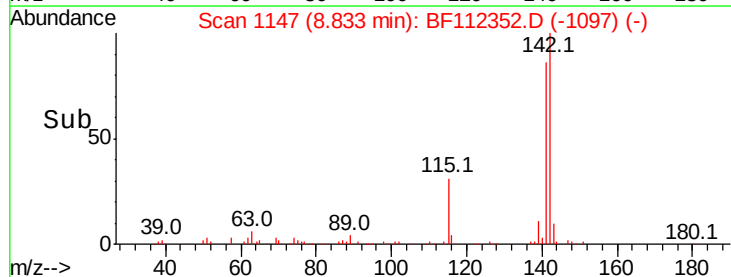
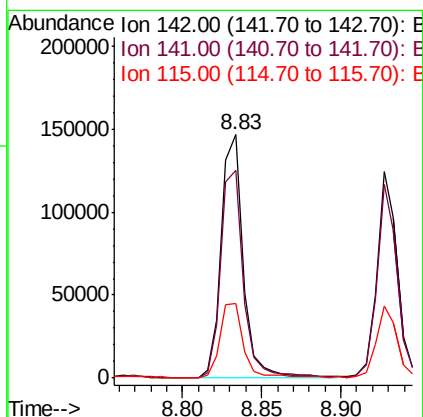
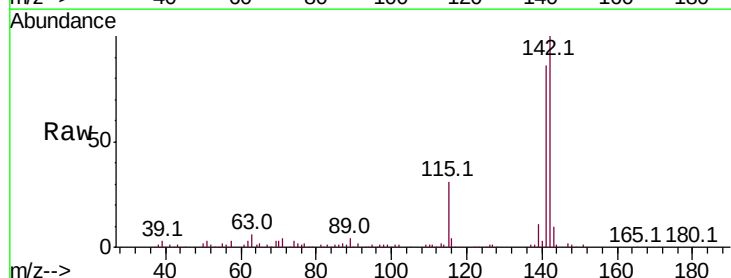
Manual Integrations
APPROVED

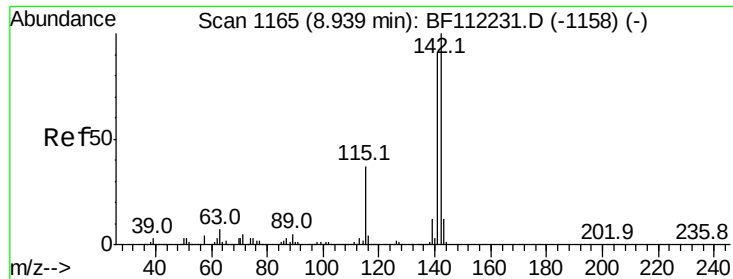
apatel
2/4/2019 12:43:00 PM



#37
2-Methylnaphthalene
Concen: 6.918 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	70.9	106.3
115	30.5	24.9	37.3





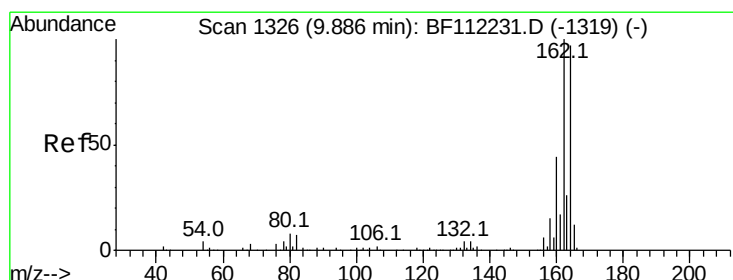
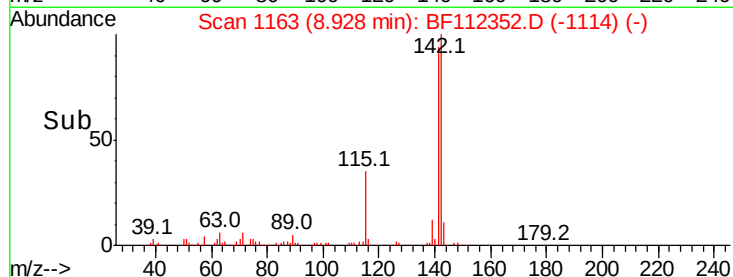
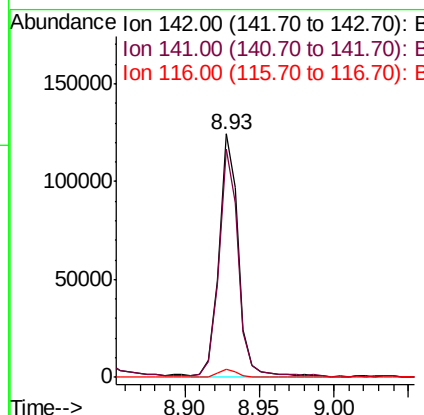
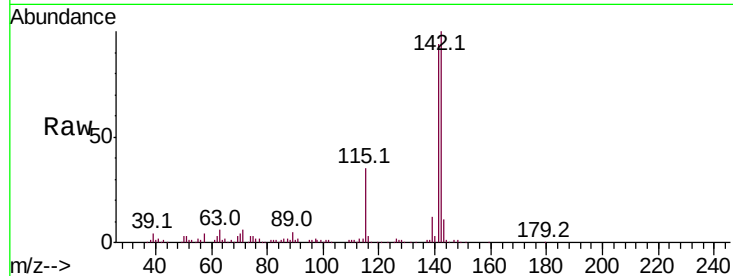
#38
1-Methylnaphthalene
Concen: 5.704 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	93.9	72.6	108.8	
116	3.4	2.8	4.2	

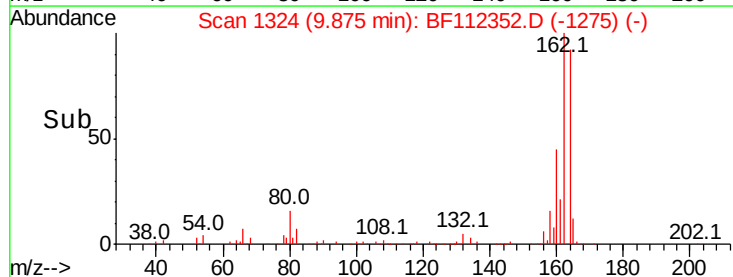
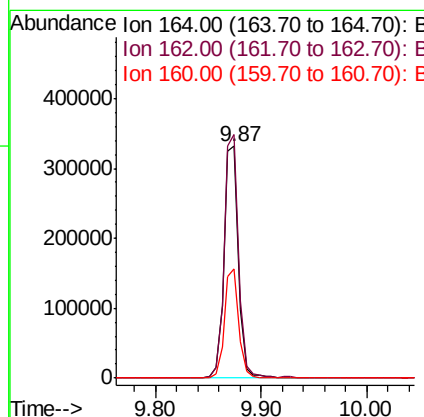
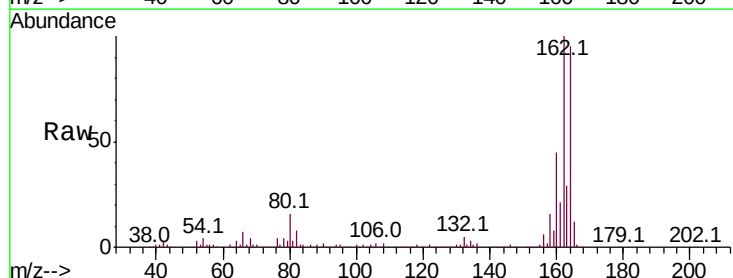
Manual Integrations
APPROVED

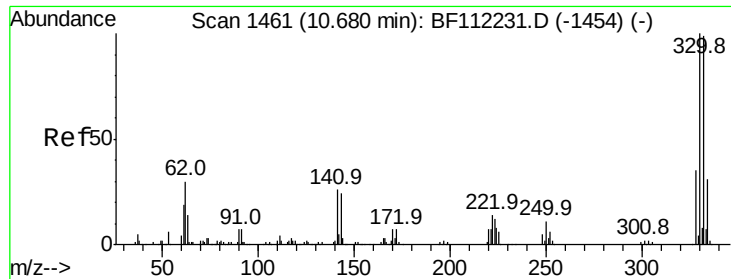
apatel
2/4/2019 12:43:00 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	82.2	123.4	
160	47.3	36.2	54.4	





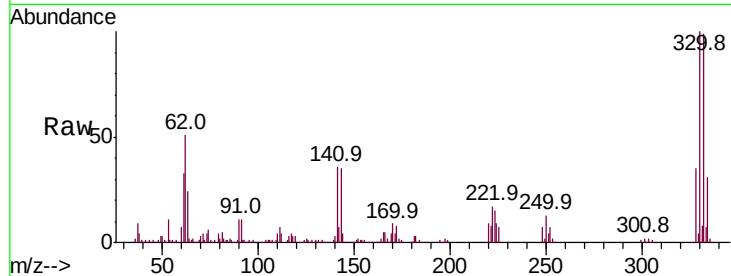
#42
 2,4,6-Tribromophenol
 Concen: 104.277 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112352.D
 Acq: 1 Feb 2019 15:35

Instrument :
 BNA_F
 ClientSampleId :
 0037-COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	389404		
332	97.4	76.6	114.8	
141	32.0	24.3	36.5	

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:43:00 PM

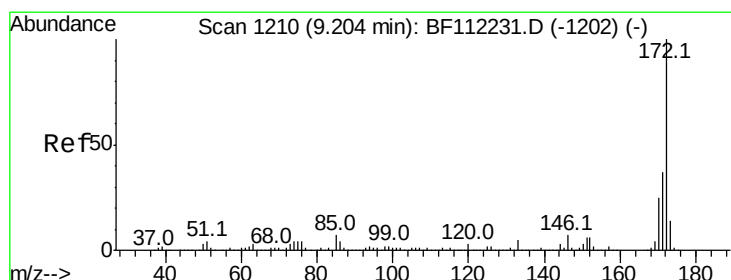
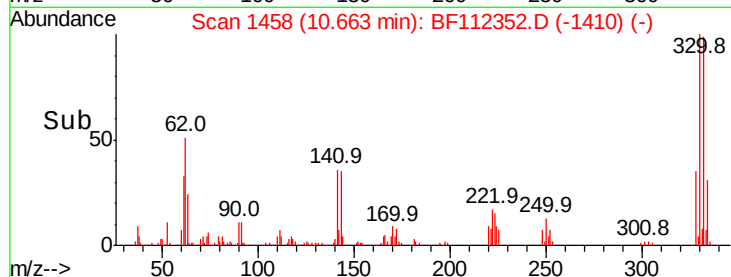
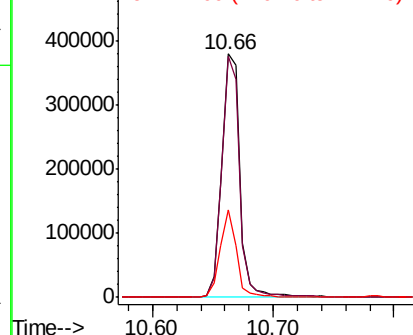


Abundance

Ion 329.80 (329.50 to 330.50): E

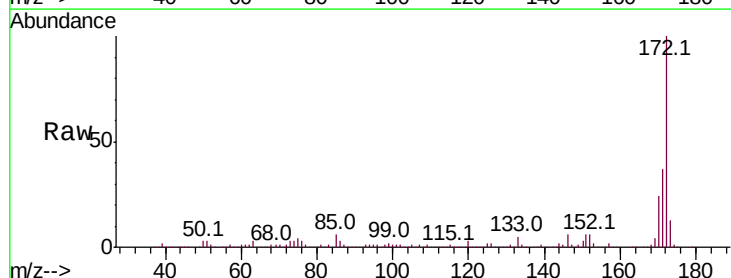
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 57.351 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112352.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1300944		
171	36.7	30.5	45.7	
170	24.0	20.2	30.4	

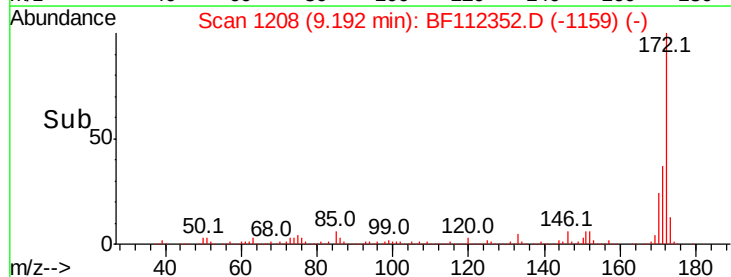
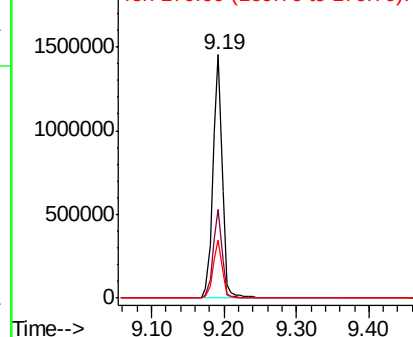


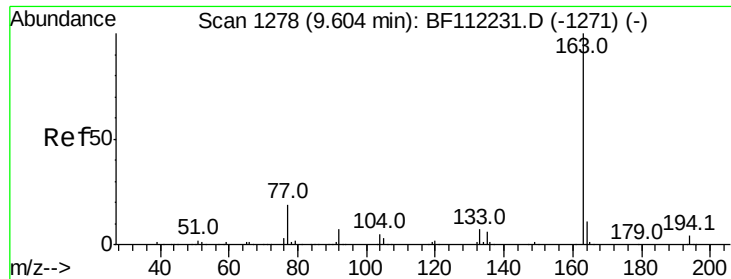
Abundance

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





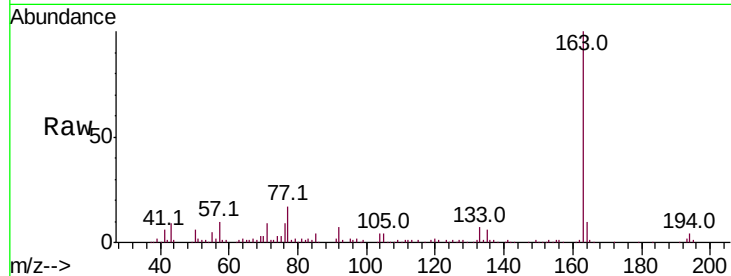
#50
Dimethylphthalate
Concen: 5.664 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

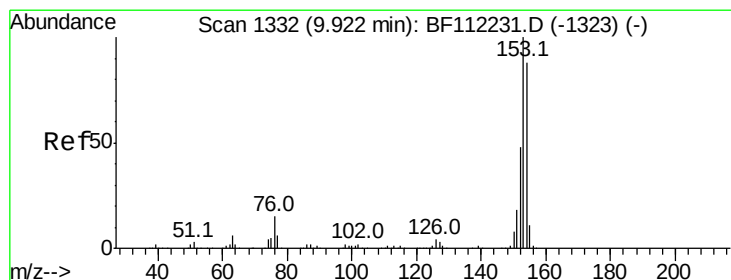
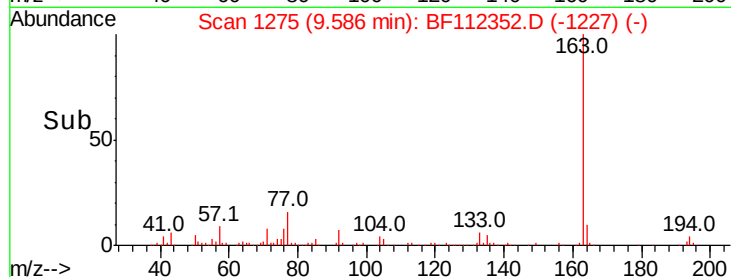
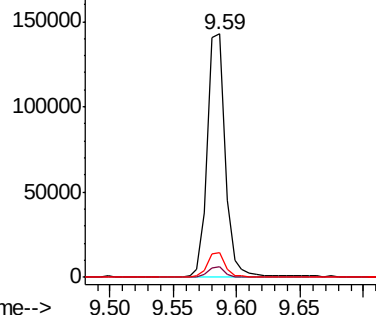
Tot Ion:	163	Resp:	141188
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.3	4.9
164	10.2	8.5	12.7

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM



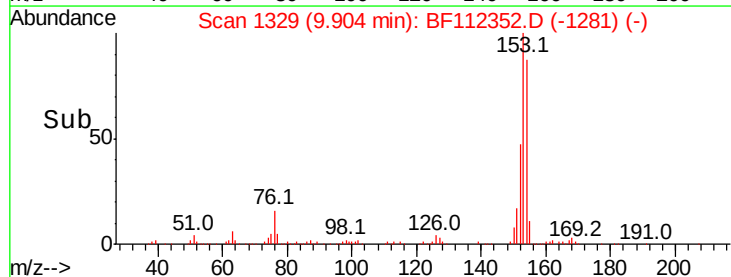
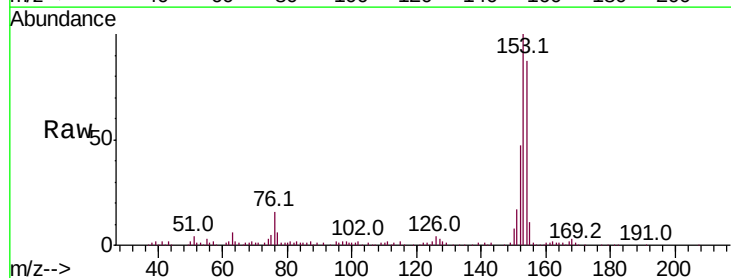
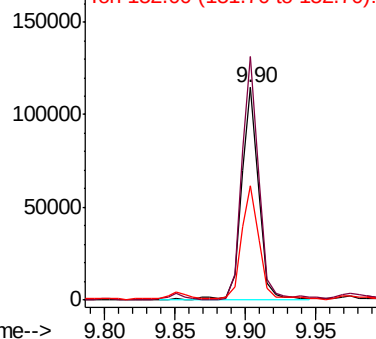
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

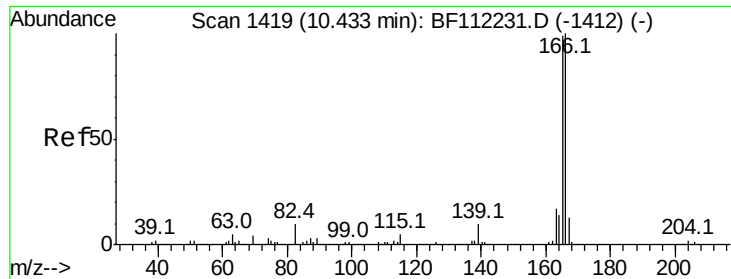


#52
Acenaphthene
Concen: 5.144 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion:	154	Resp:	97962
Ion Ratio	Lower	Upper	
154	100		
153	114.7	89.8	134.6
152	53.7	43.5	65.3

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





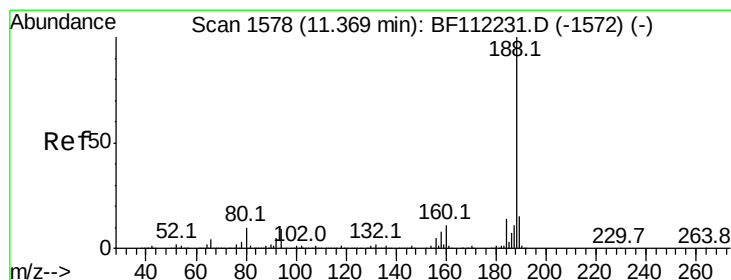
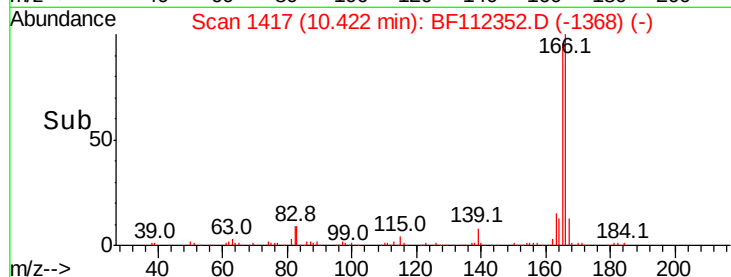
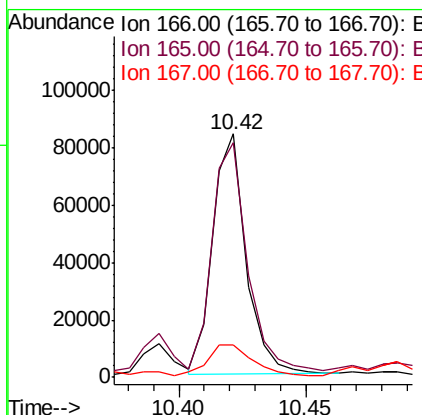
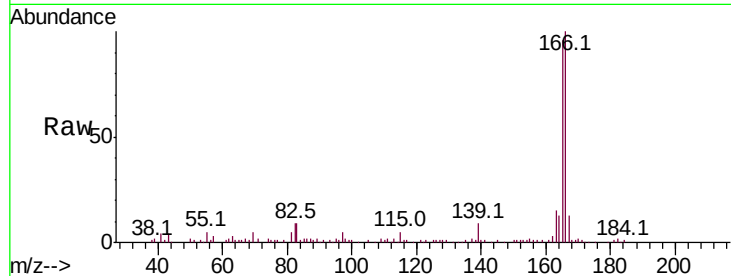
#58
 Fluorene
 Concen: 3.548 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF112352.D
 Acq: 1 Feb 2019 15:35

Instrument :
 BNA_F
 ClientSampleId :
 0037-COMP-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.1	115.7
167	13.4	11.3	16.9

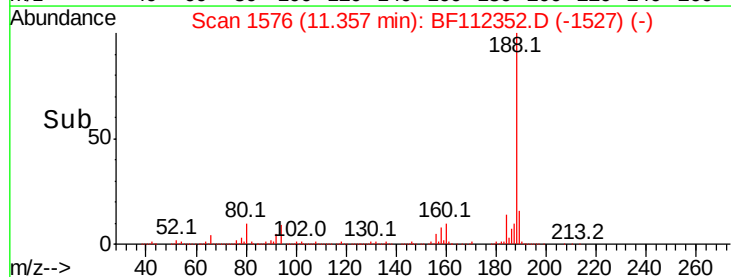
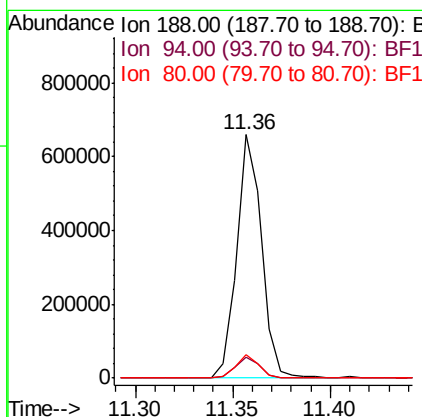
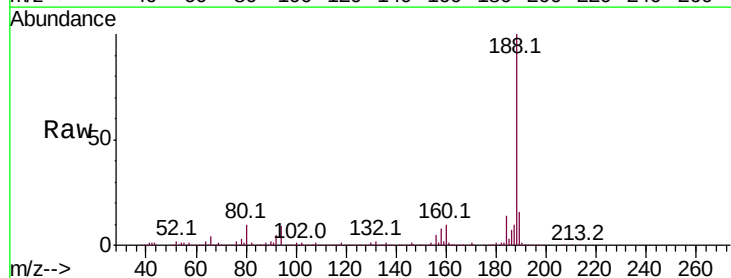
Manual Integrations
 APPROVED

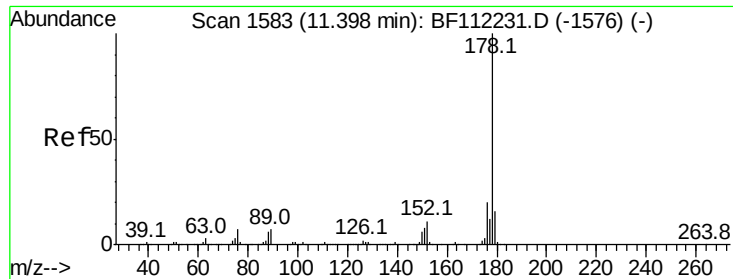
apatel
 2/4/2019 12:43:00 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112352.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.5	8.9	13.3





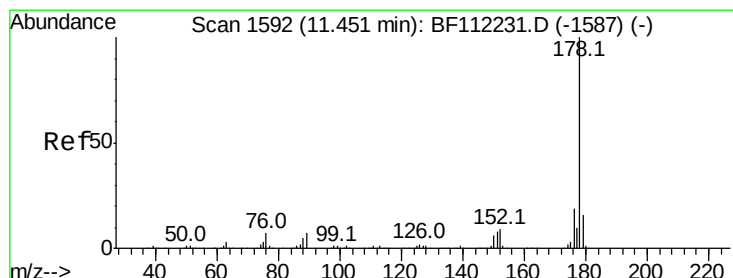
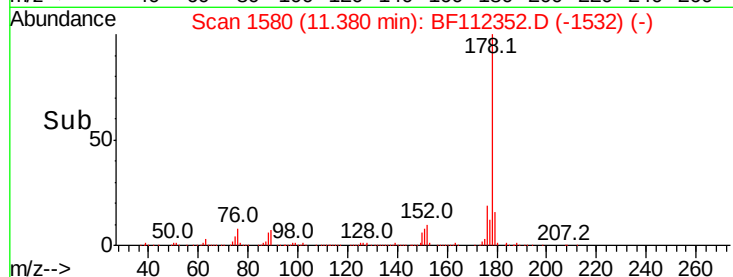
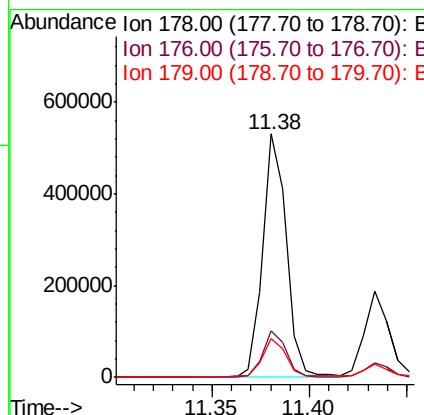
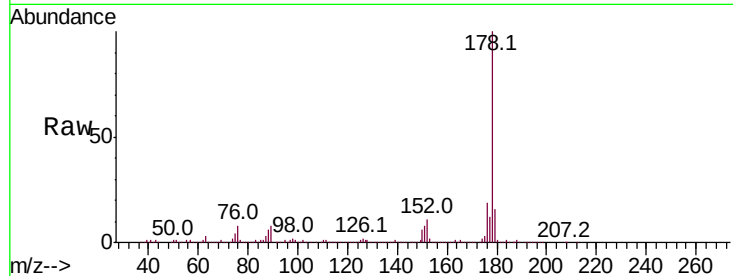
#71
Phenanthrene
Concen: 14.766 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.7	13.0	19.4

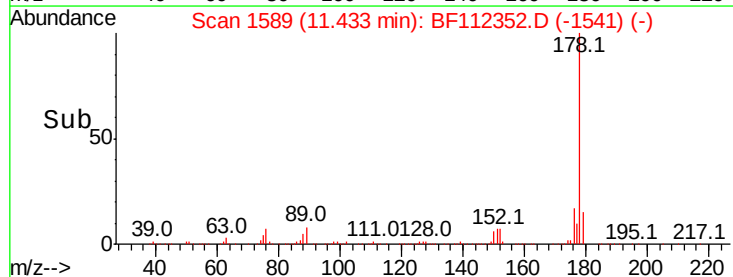
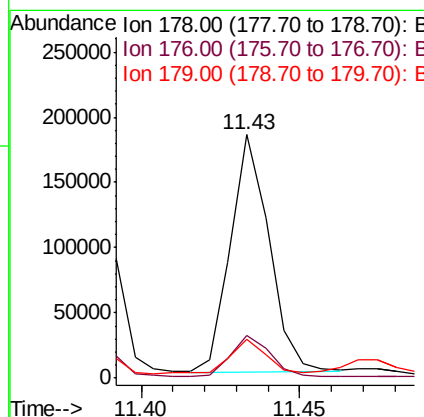
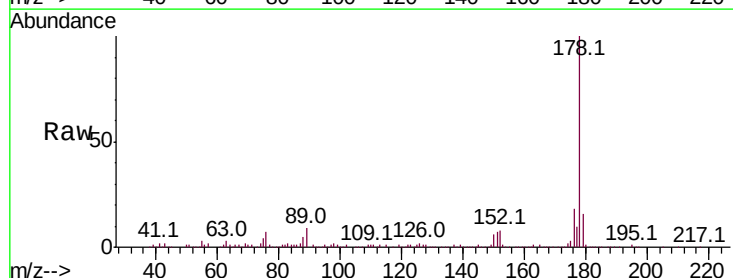
Manual Integrations
APPROVED

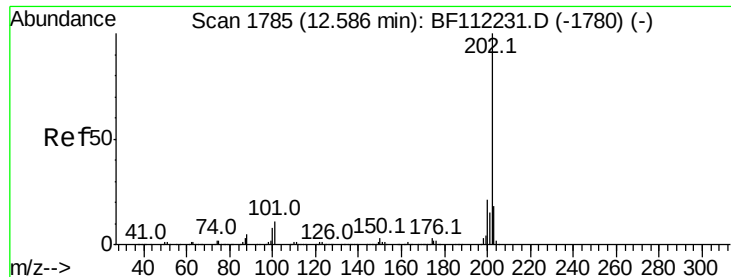
apatel
2/4/2019 12:43:00 PM



#72
Anthracene
Concen: 5.150 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.5	23.3
179	15.8	12.8	19.2





#75

Fluoranthene

Concen: 10.339 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA_F

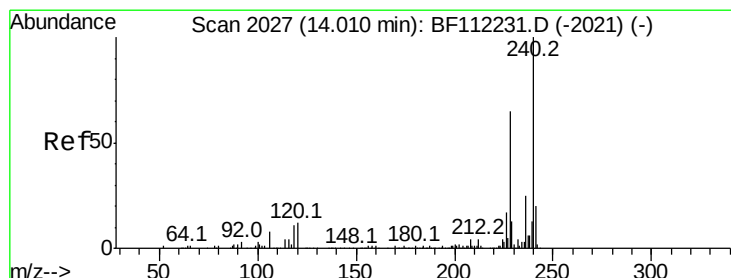
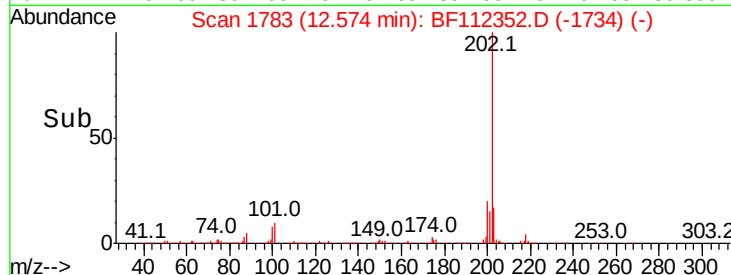
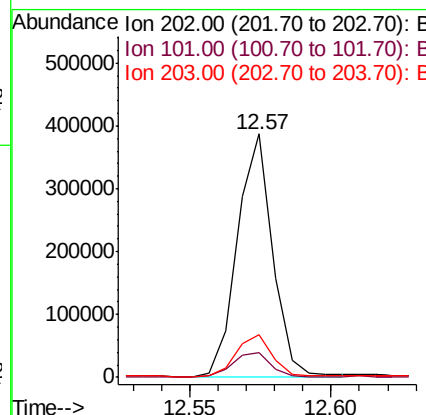
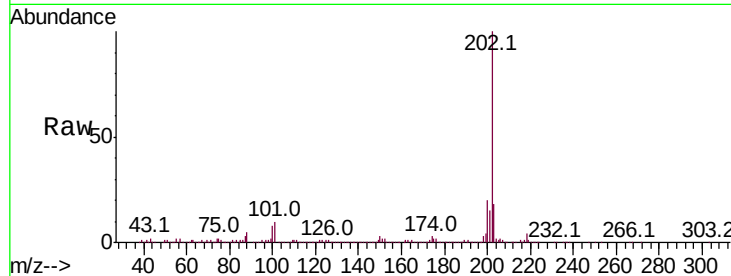
ClientSampleId :

0037-COMP-3

Tot Ion:	202	Resp:	334864
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.8
203	17.5	0.0	38.4

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM



#76

Chrysene-d12

Concen: 20.000 ng

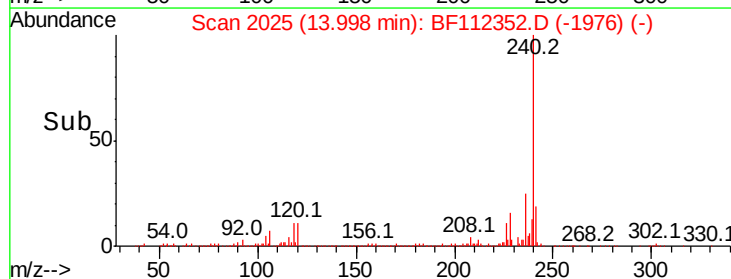
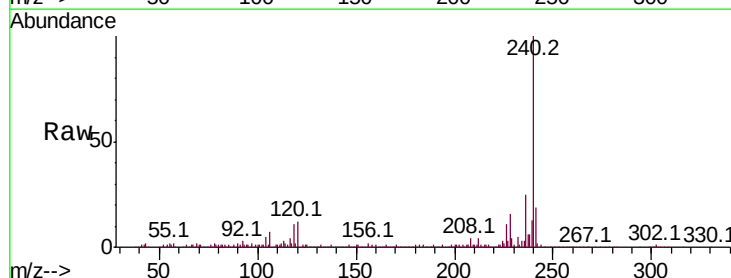
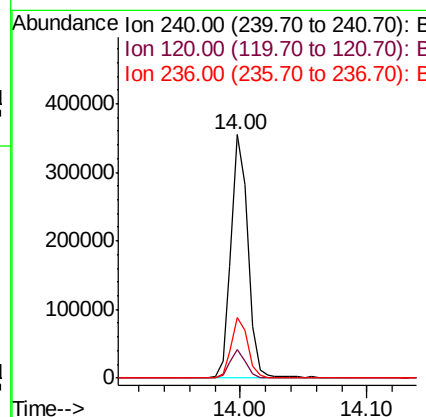
RT: 14.00 min Scan# 2025

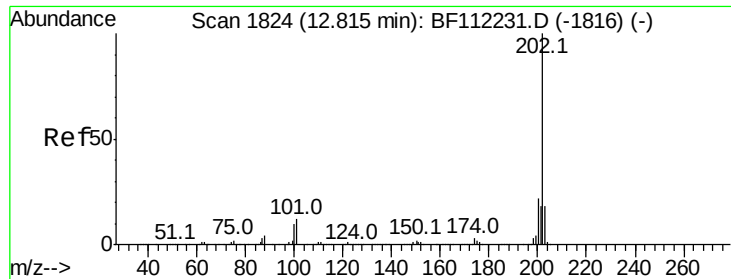
Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Tgt Ion:	240	Resp:	327817
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.0	13.6
236	24.6	20.7	31.1





#78

Pvrene

Concen: 15.820 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA_F

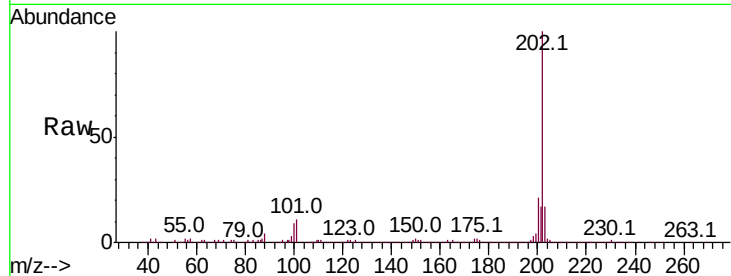
ClientSampleId :

0037-COMP-3

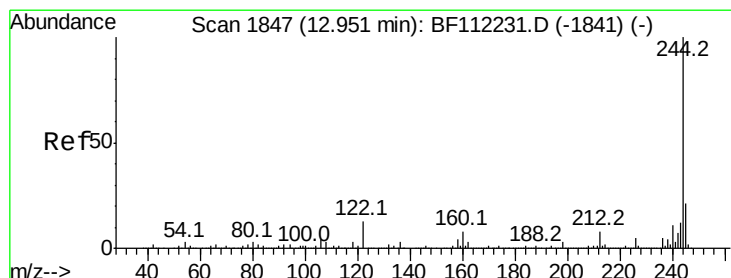
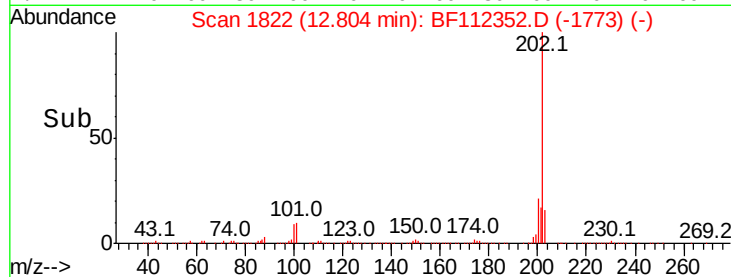
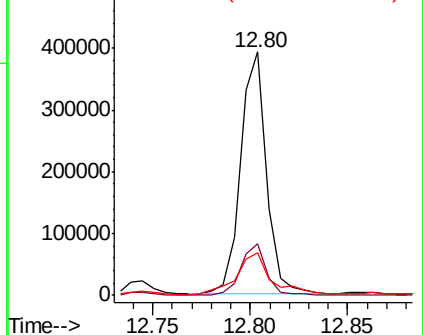
Tot Ion:	202	Resp:	359058
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.7	26.5
203	17.4	14.6	22.0

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM



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



#79

Terphenyl-d14

Concen: 63.855 ng

RT: 12.94 min Scan# 1845

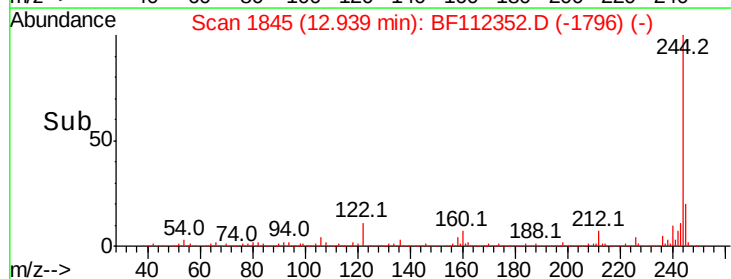
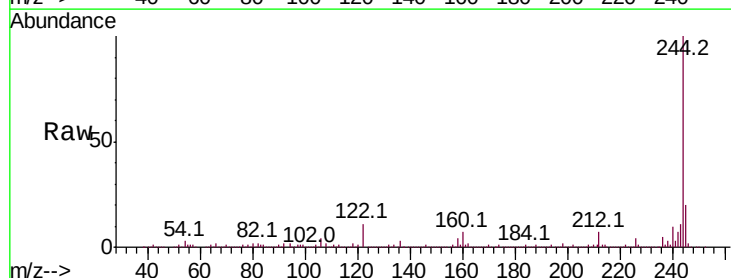
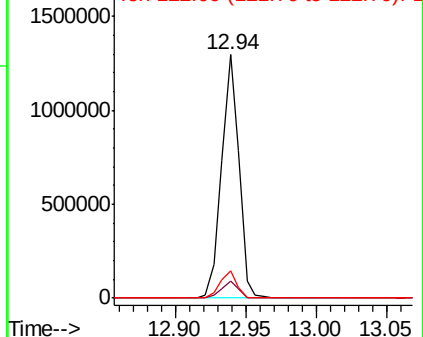
Delta R.T. -0.01 min

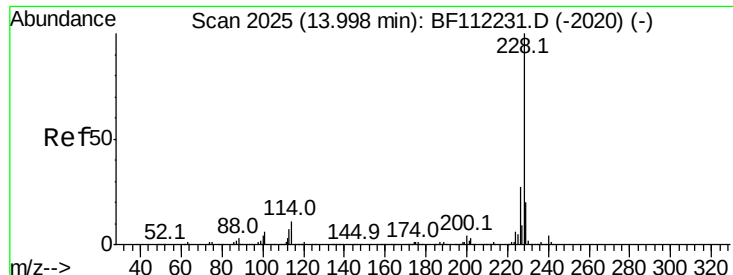
Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Tgt Ion:	244	Resp:	1111403
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.9	8.9
122	11.4	9.8	14.6

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





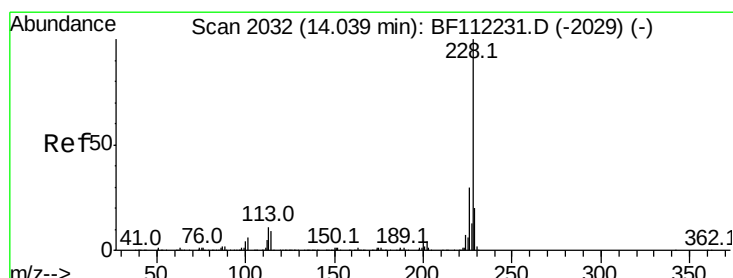
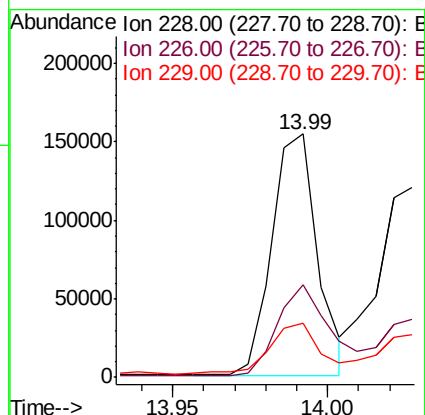
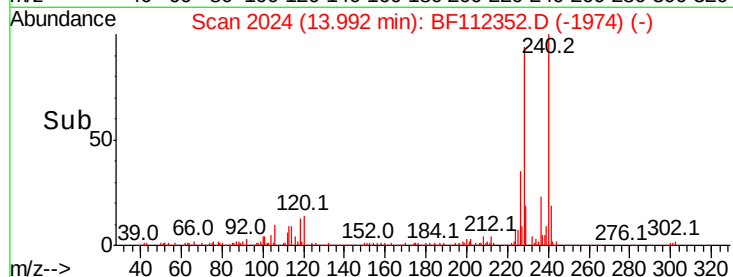
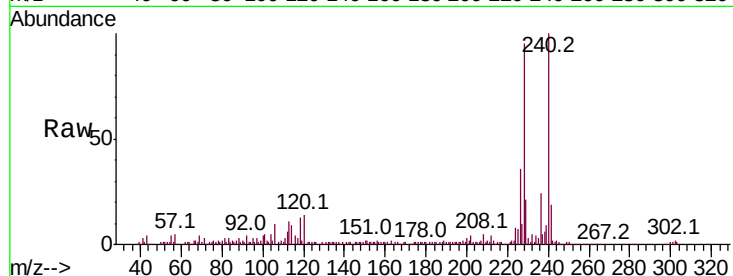
#81
Benzo(a)anthracene
Concen: 8.140 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.9	22.6	34.0#
229	22.3	16.5	24.7

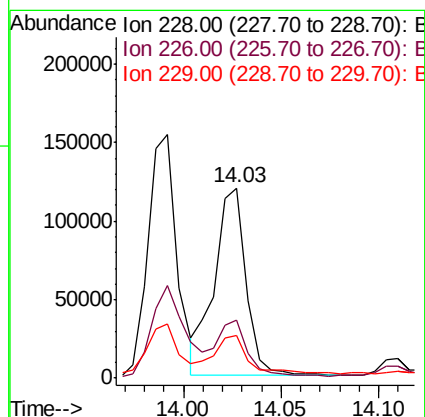
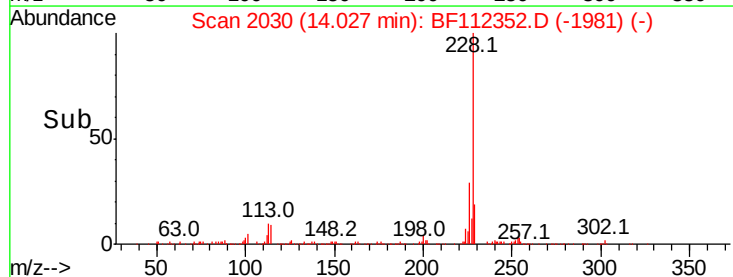
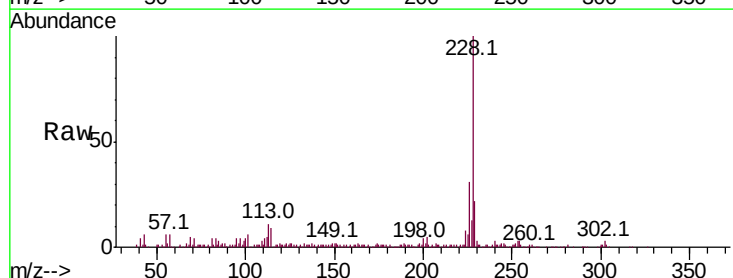
Manual Integrations
APPROVED

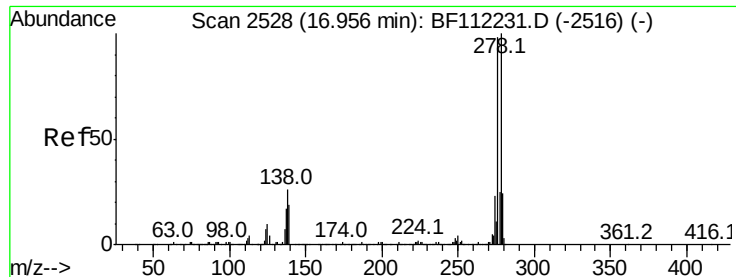
apatel
2/4/2019 12:43:00 PM



#83
Chrysene
Concen: 7.343 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.5	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.731 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA_F

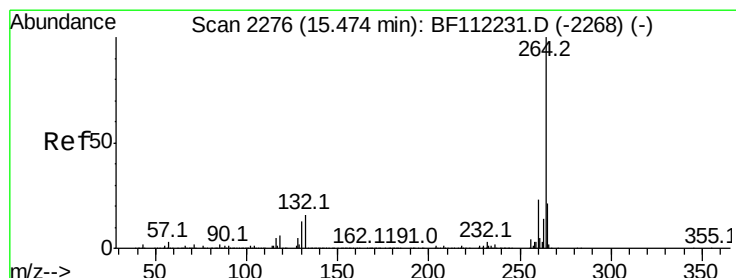
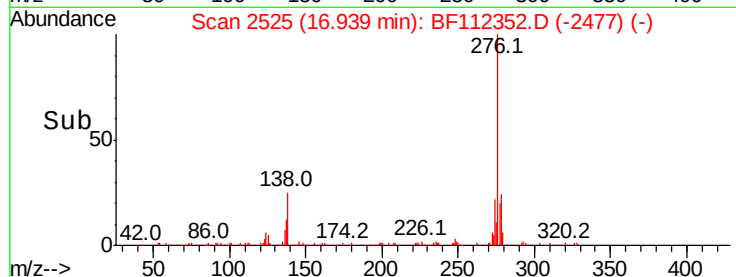
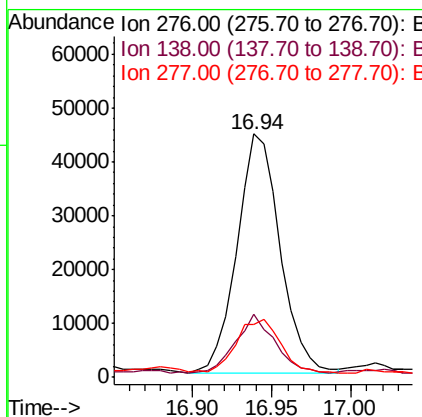
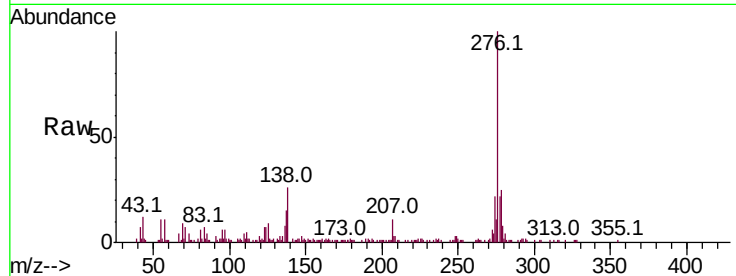
ClientSampleId :

0037-COMP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.6	34.0#
277	23.2	20.3	30.5

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM



#87

Perylene-d12

Concen: 20.000 ng

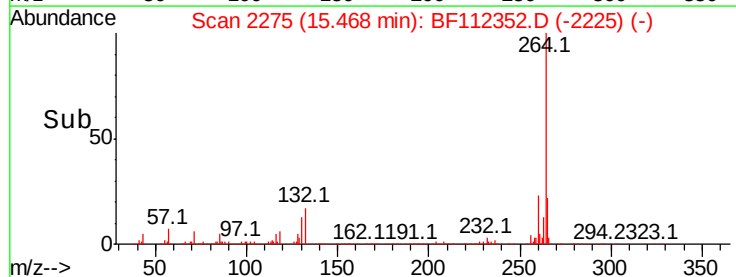
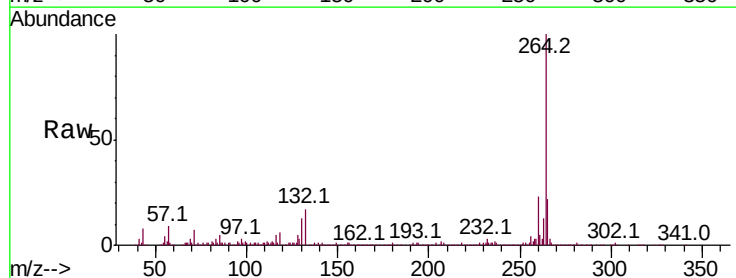
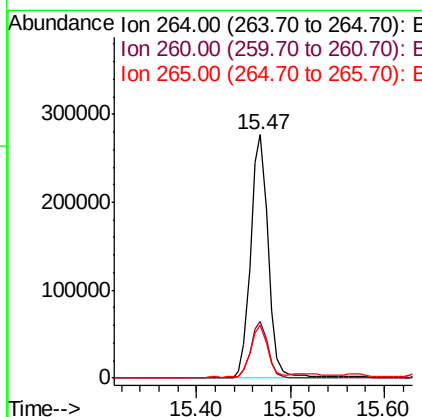
RT: 15.47 min Scan# 2275

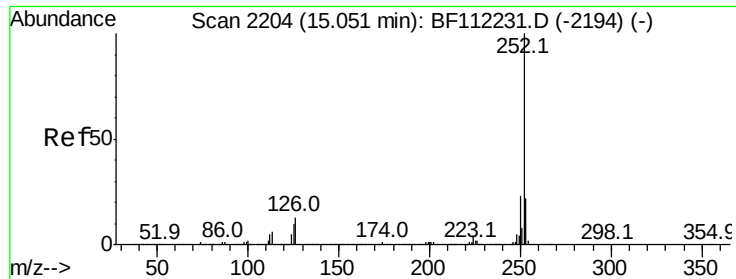
Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	21.7	17.0	25.4





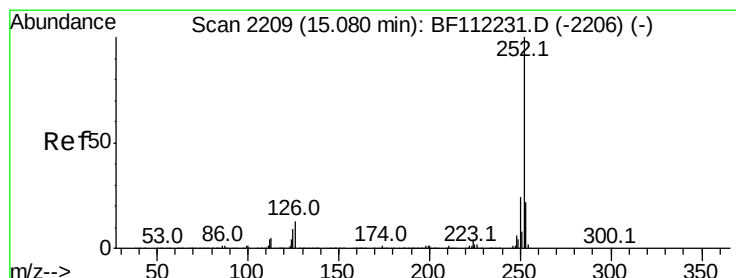
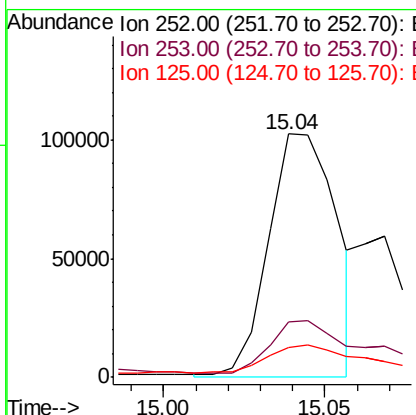
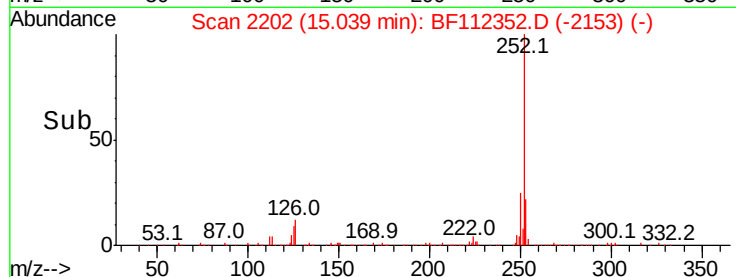
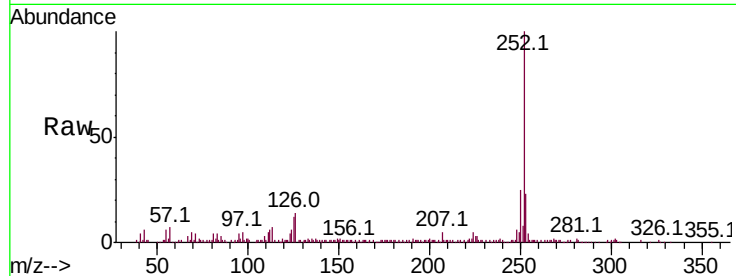
#88
Benzo(b)fluoranthene
Concen: 7.046 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.0	8.7	13.1

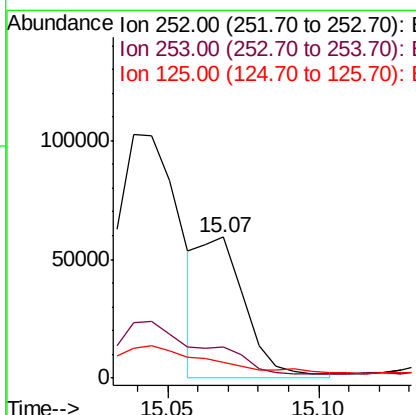
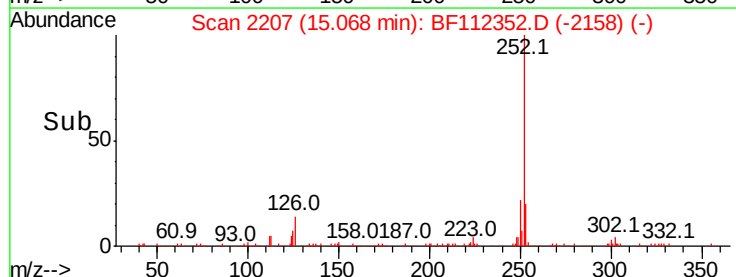
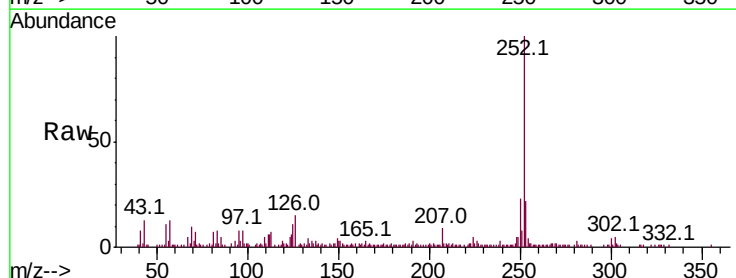
Manual Integrations
APPROVED

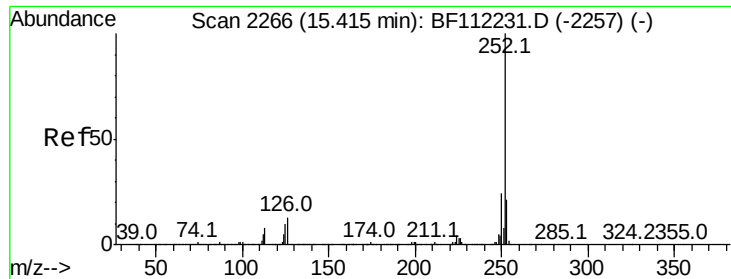
apatel
2/4/2019 12:43:00 PM



#89
Benzo(k)fluoranthene
Concen: 3.053 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.4	9.1	13.7





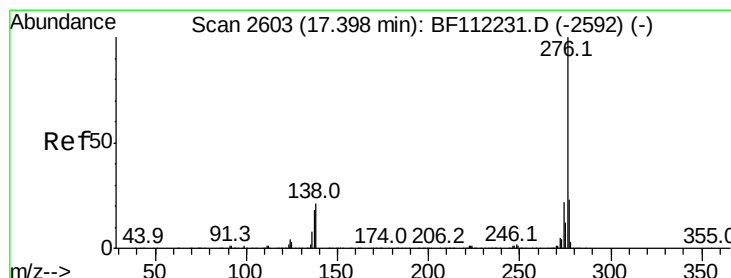
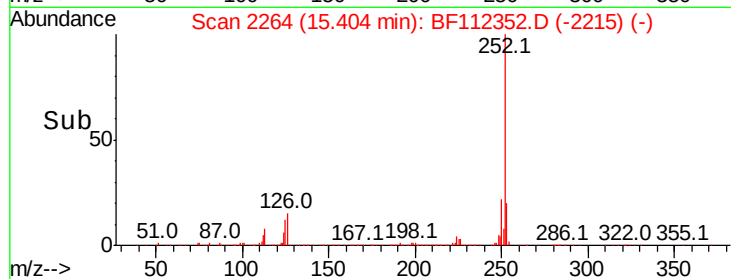
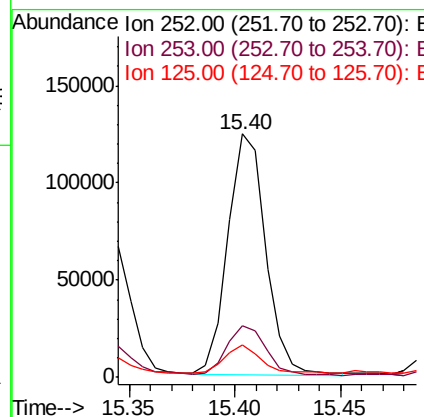
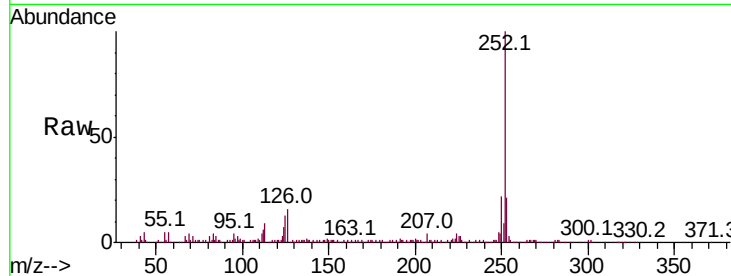
#90
Benzo(a)pyrene
Concen: 7.977 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Instrument :
BNA_F
ClientSampleId :
0037-COMP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	13.2	9.0	13.4

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:00 PM



#92
Benzo(g,h,i)perylene
Concen: 5.597 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BF112352.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.4	29.0
138	21.2	19.1	28.7

