

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112350.D
 Acq On : 1 Feb 2019 14:41
 Operator : JU/SJ
 Sample : K1299-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0035-COMP-1

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:42:52 PM

Quant Time: Feb 01 16:34:18 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	148891	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	579715	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	290969	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	573606	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	394892	20.00	ng	-0.01
87) Perylene-d12	15.47	264	325153	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	921556	131.47	ng	0.00
7) Phenol-d6	6.49	99	1147217	117.78	ng	0.00
23) Nitrobenzene-d5	7.40	82	720221	71.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	384844	113.63	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1326985	64.50	ng	-0.01
79) Terphenyl-d14	12.94	244	1431916	68.30	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	81483	7.625	ng	# 77
31) Naphthalene	8.14	128	124443	4.590	ng	95
37) 2-Methylnaphthalene	8.83	142	48096	2.592	ng	99
38) 1-Methylnaphthalene	8.93	142	45060	2.533	ng	98
50) Dimethylphthalate	9.59	163	187212	8.281	ng	98
71) Phenanthrene	11.38	178	126352	4.237	ng	98
75) Fluoranthene	12.57	202	89570	2.800	ng	97
78) Pyrene	12.80	202	115895	4.239	ng	97
81) Benzo(a)anthracene	13.99	228	51180	2.205	ng	98
83) Chrysene	14.03	228	50544	2.281	ng	98
88) Benzo(b)fluoranthene	15.04	252	44651m	2.296	ng	
90) Benzo(a)pyrene	15.40	252	46004	2.629	ng	94
92) Benzo(a,h,i)perylene	17.39	276	28302	2.127	ng	95

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

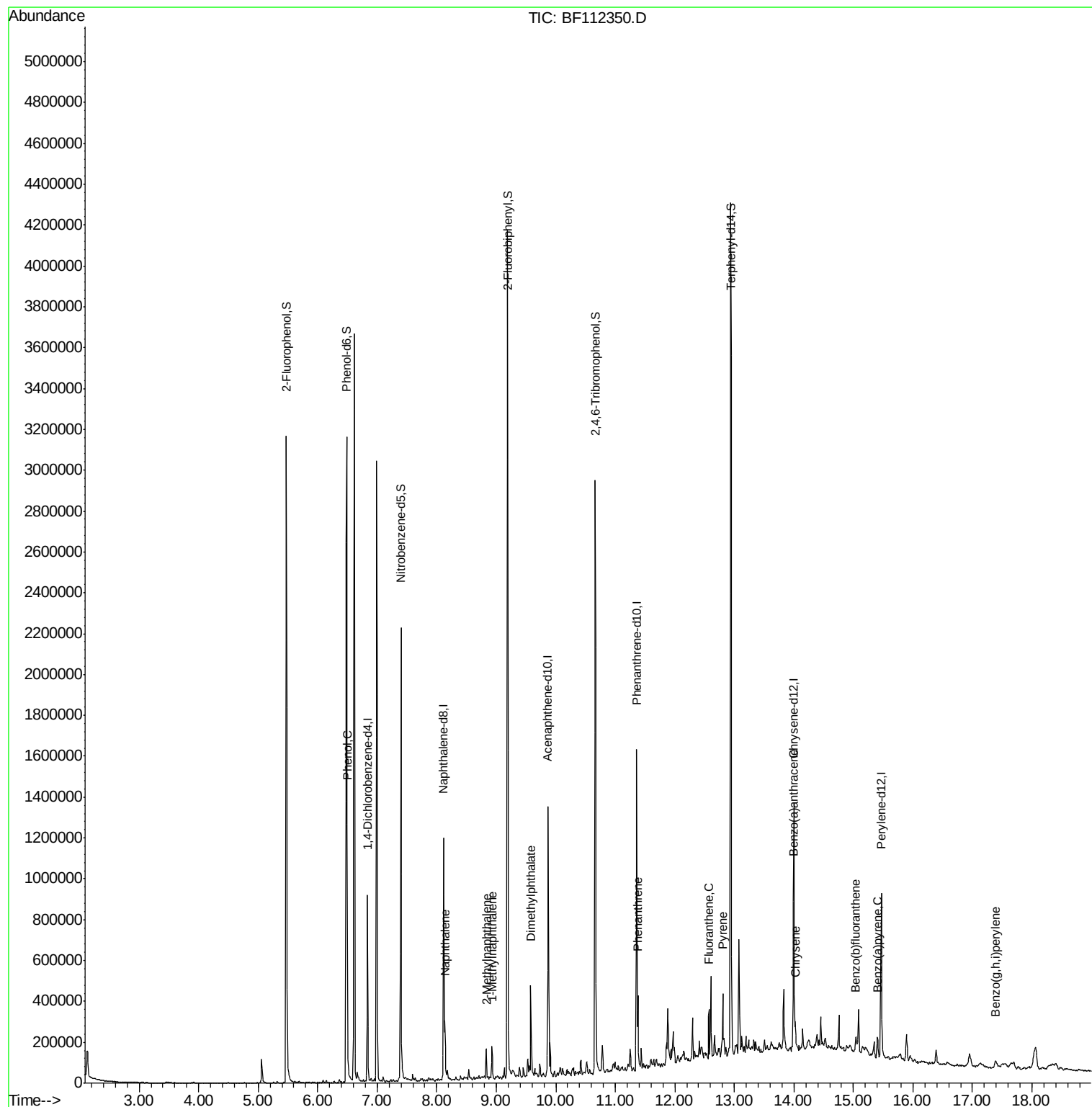
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112350.D
Acq On : 1 Feb 2019 14:41
Operator : JU/SJ
Sample : K1299-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

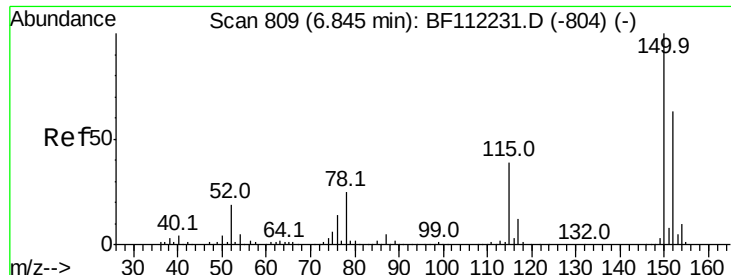
Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Manual Integrations
APPROVED

apatel
2/4/2019 12:42:52 PM

Quant Time: Feb 01 16:34:18 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

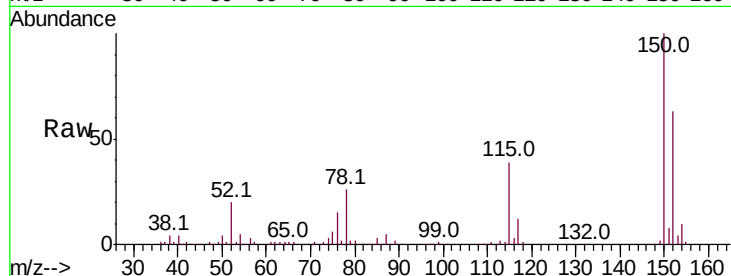
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	127.4	191.0
115	61.9	45.5	68.3

Manual Integrations
APPROVED

apatel
2/4/2019 12:42:52 PM

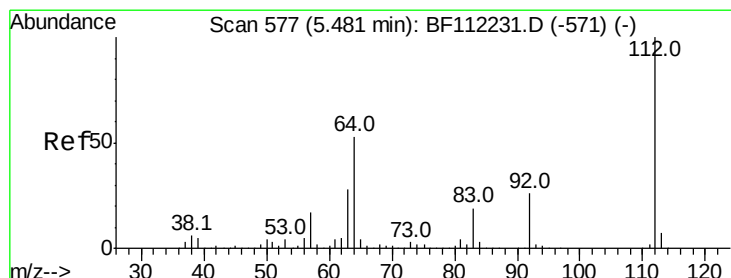
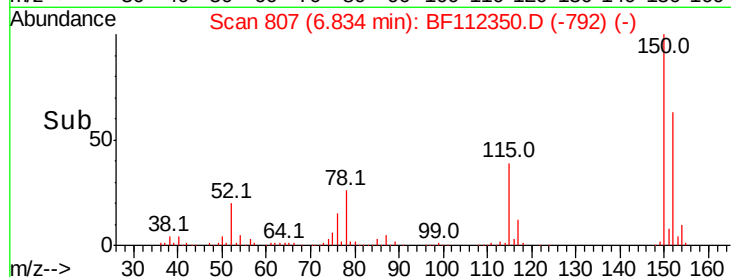
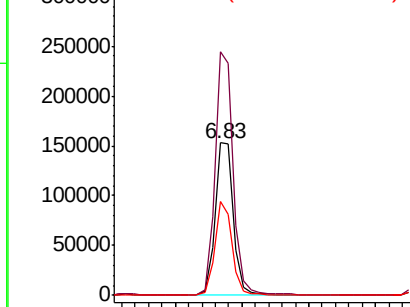


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

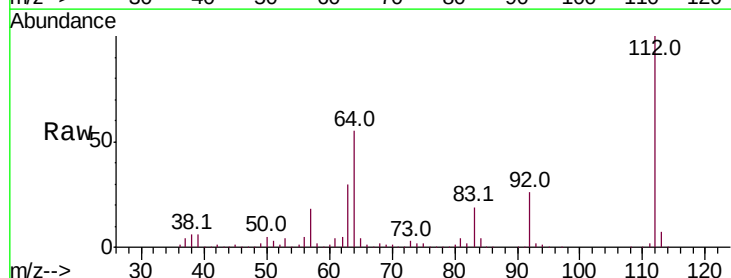
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 131.468 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.7	68.5
63	30.3	23.6	35.4

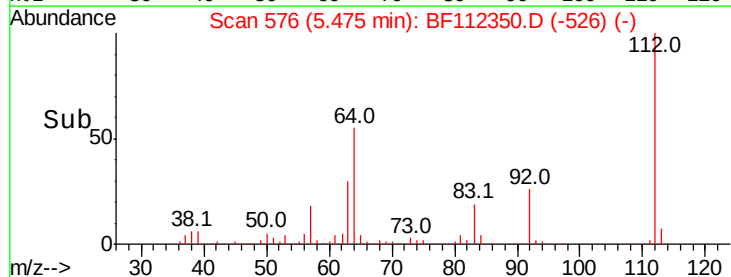
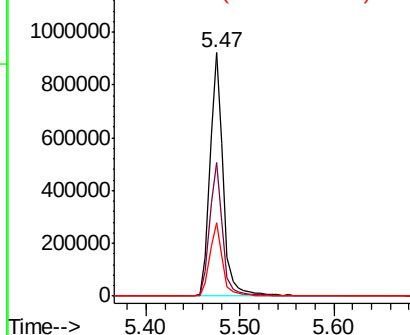


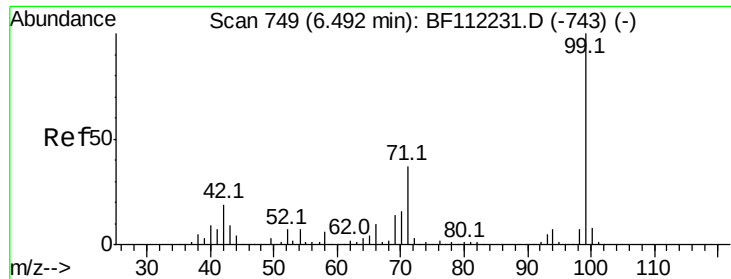
Abundance

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: 117.780 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

ClientSampled :

0035-COMP-1

Tot Ion: 99 Resp: 1147217

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

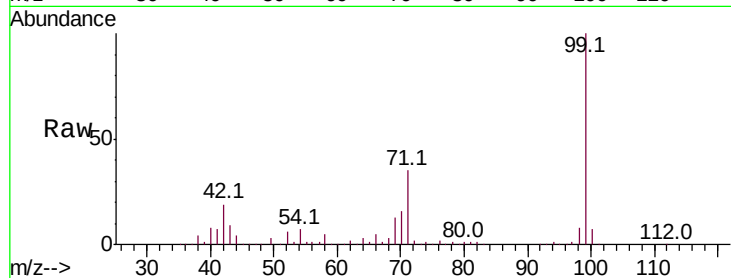
71 35.5 26.9 40.3

Manual Integrations

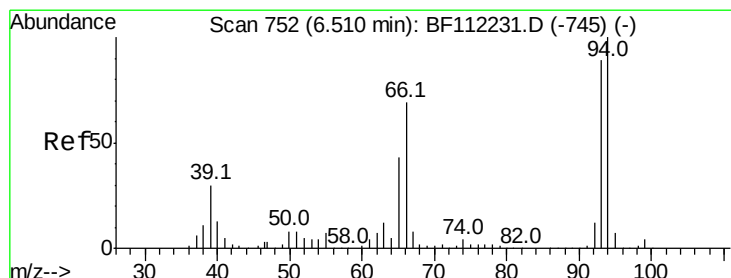
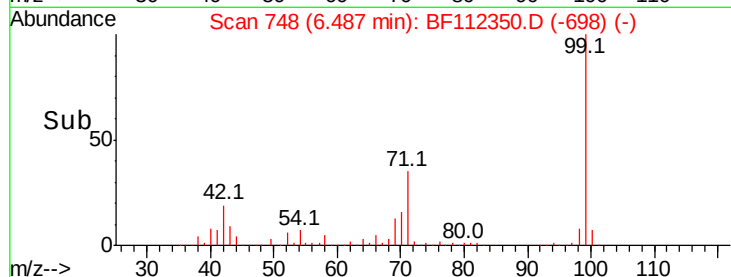
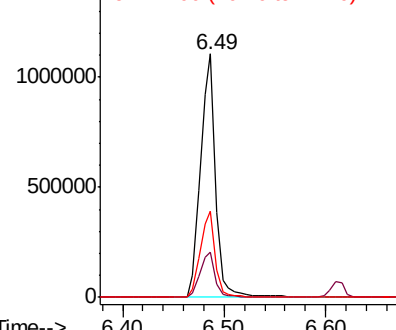
APPROVED

apatel

2/4/2019 12:42:52 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 7.625 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

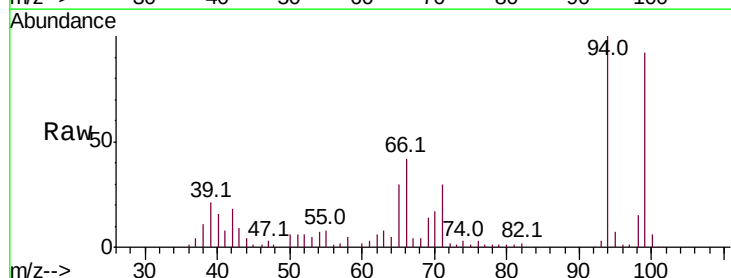
Tgt Ion: 94 Resp: 81483

Ion Ratio Lower Upper

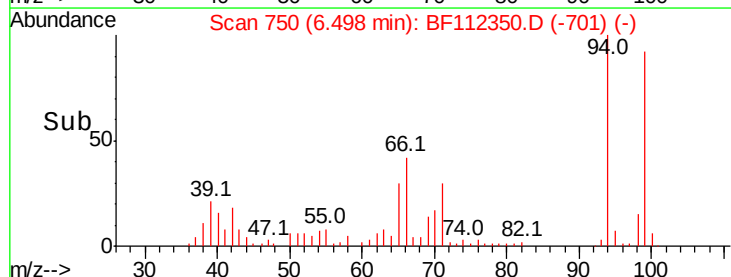
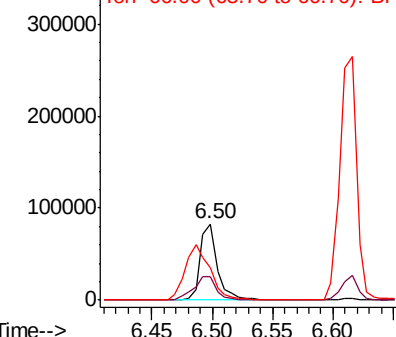
94 100

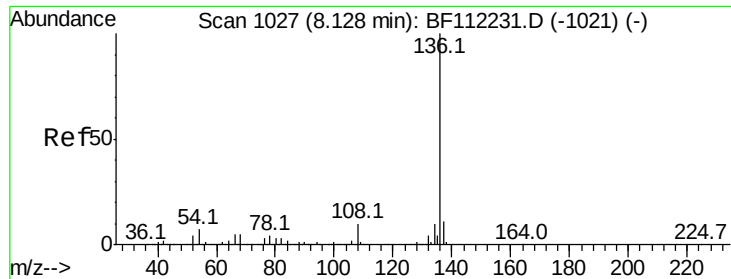
65 30.1 20.3 60.3

66 41.9 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
300000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





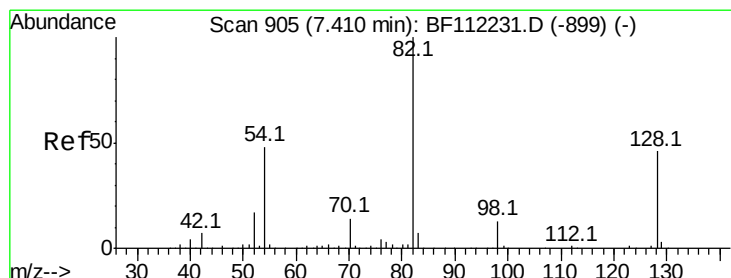
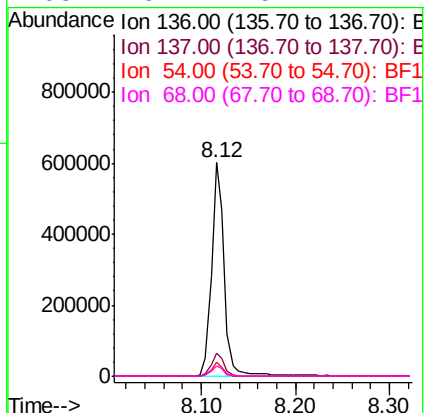
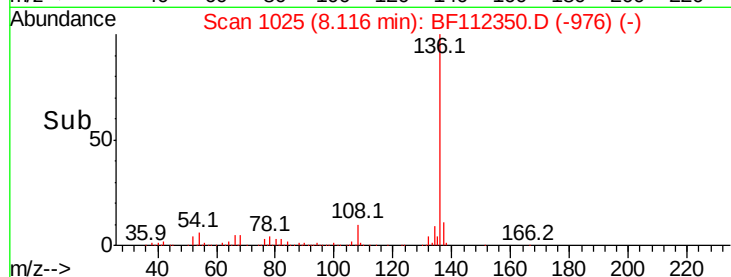
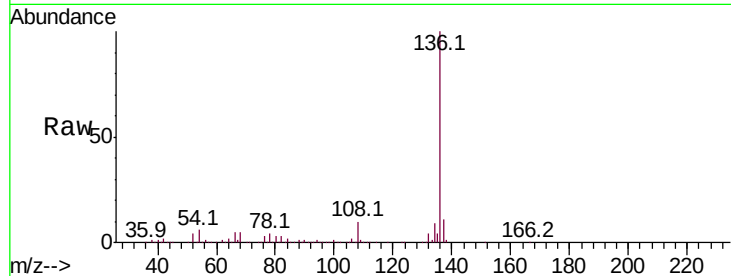
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	6.4	5.9	8.9	
68	5.1	5.1	7.7	

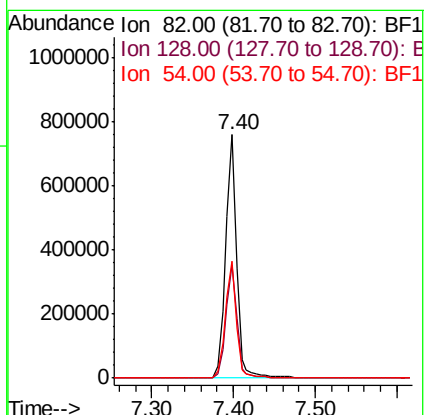
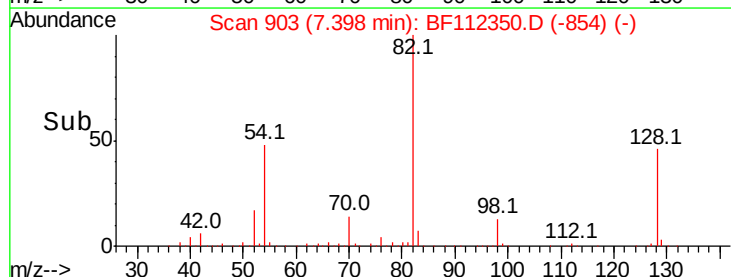
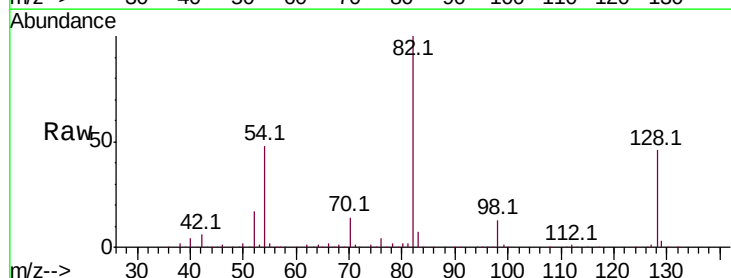
Manual Integrations
APPROVED

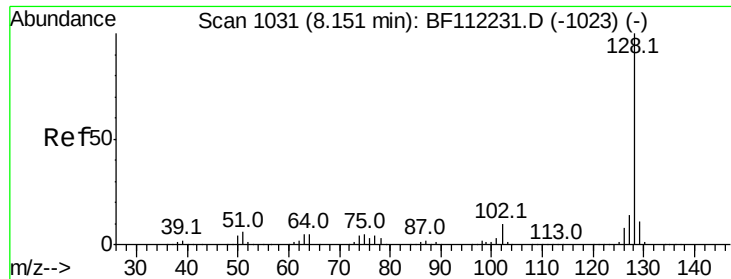
apatel
2/4/2019 12:42:52 PM



#23
Nitrobenzene-d5
Concen: 71.585 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	37.8	56.8	
54	47.8	39.7	59.5	





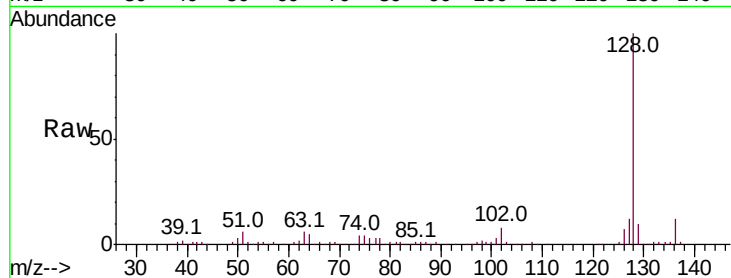
#31
Naphthalene
Concen: 4.590 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.6	14.4
127	12.4	11.1	16.7

Manual Integrations
APPROVED

apatel
2/4/2019 12:42:52 PM

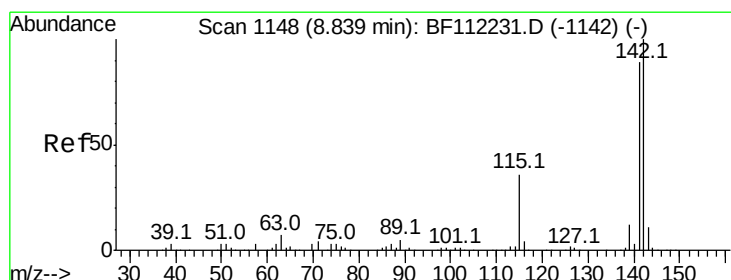
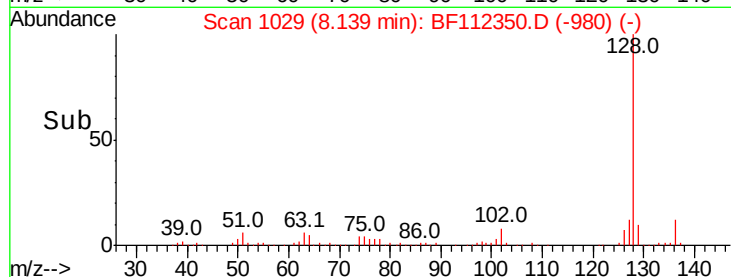
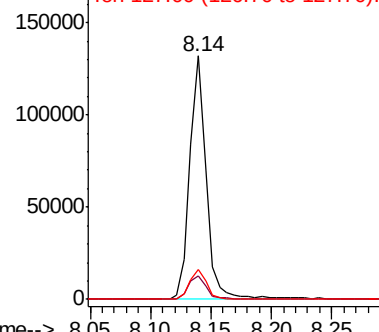


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 2.592 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

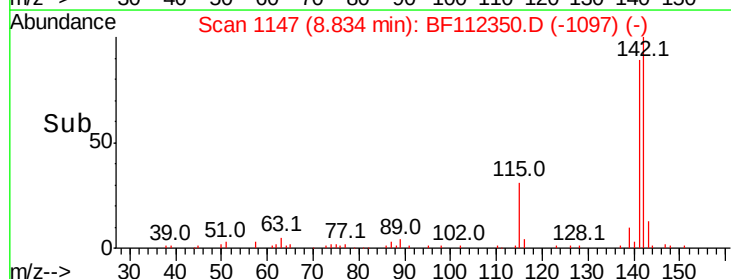
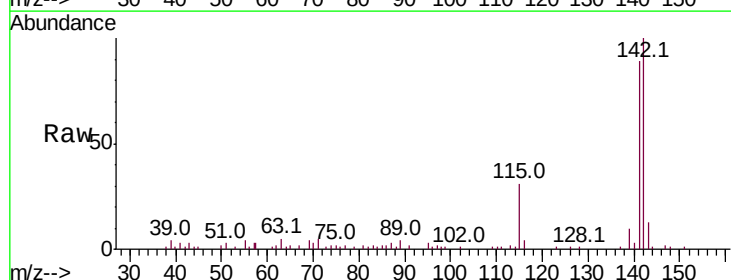
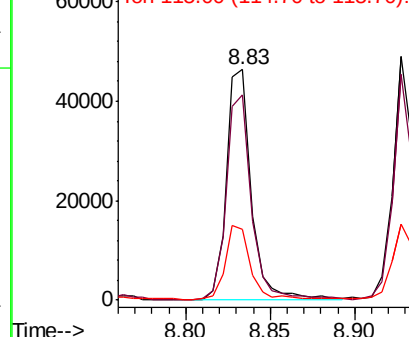
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3
115	30.7	24.9	37.3

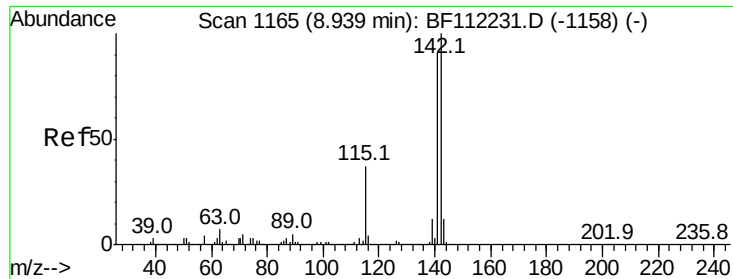
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





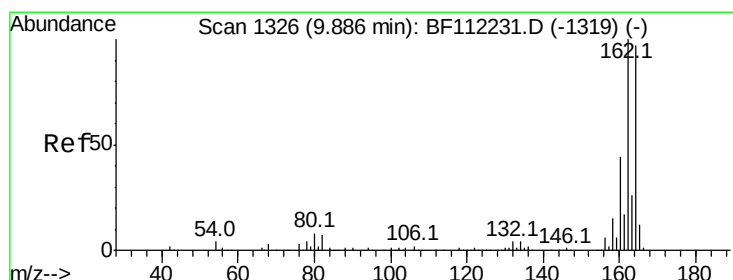
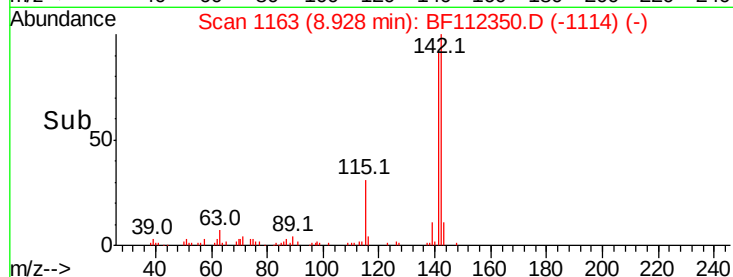
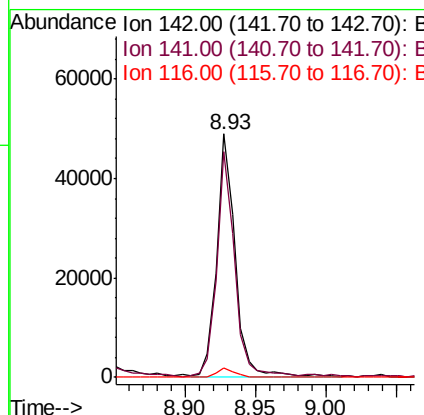
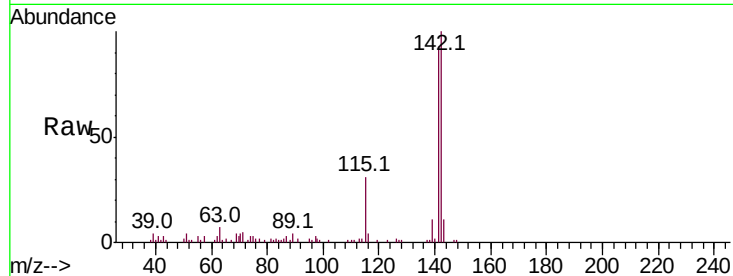
#38
1-Methylnaphthalene
Concen: 2.533 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
142	100	45060		
141	92.6	72.6	108.8	
116	3.8	2.8	4.2	

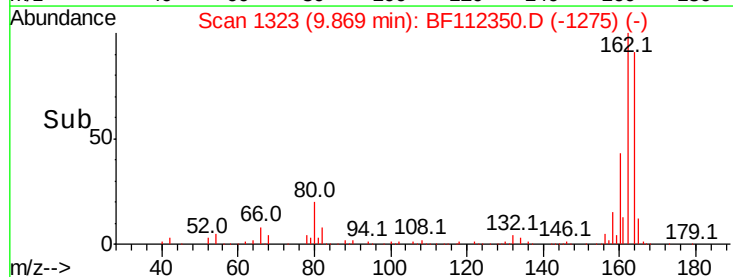
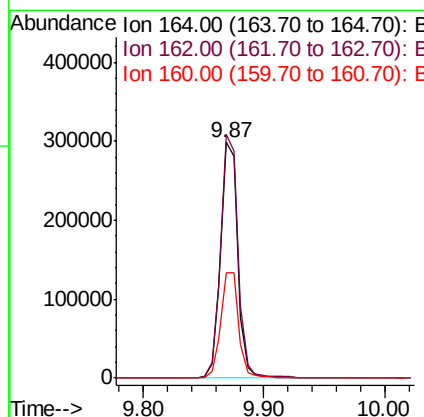
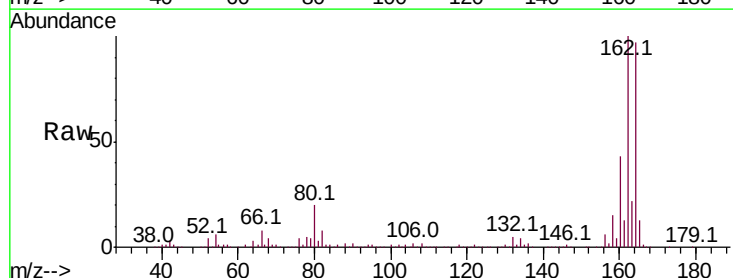
Manual Integrations
APPROVED

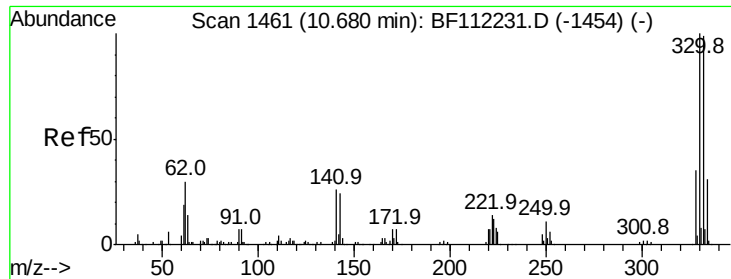
apatel
2/4/2019 12:42:52 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	290969		
162	103.3	82.2	123.4	
160	44.7	36.2	54.4	





#42

2,4,6-Tribromophenol

Concen: 113.631 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

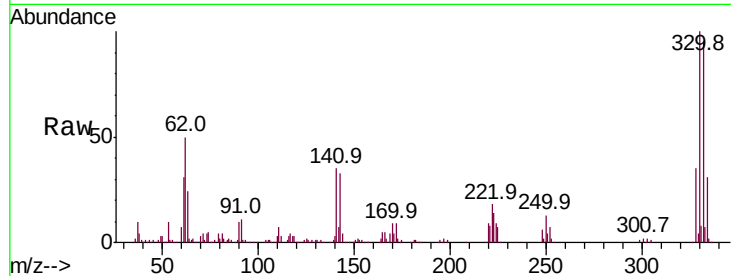
ClientSampleId :

0035-COMP-1

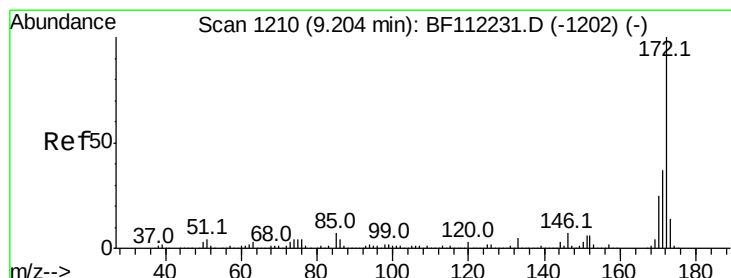
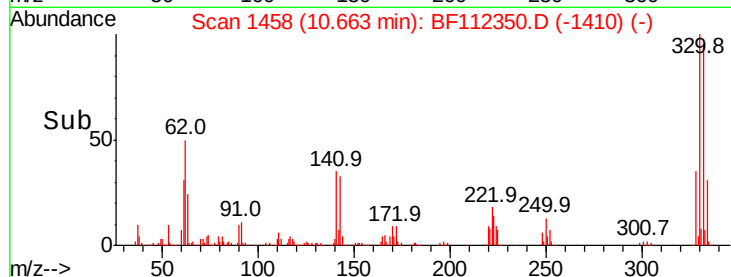
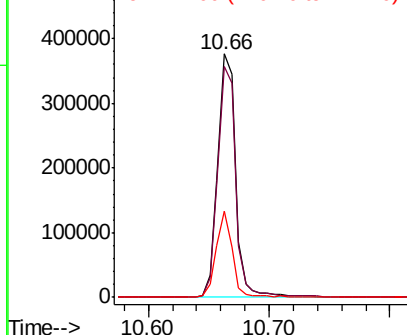
Tot Ion:	330	Resp:	384844
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.6	114.8
141	32.4	24.3	36.5

Manual Integrations
APPROVED

apatel
2/4/2019 12:42:52 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: 64.502 ng

RT: 9.19 min Scan# 1208

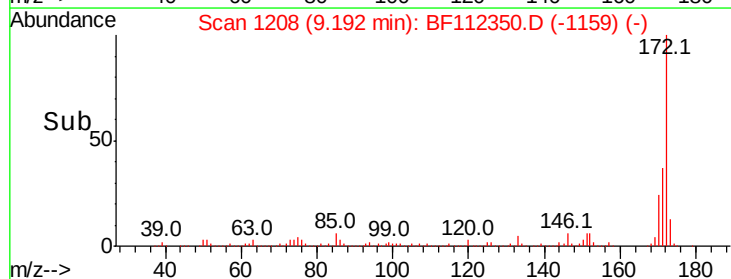
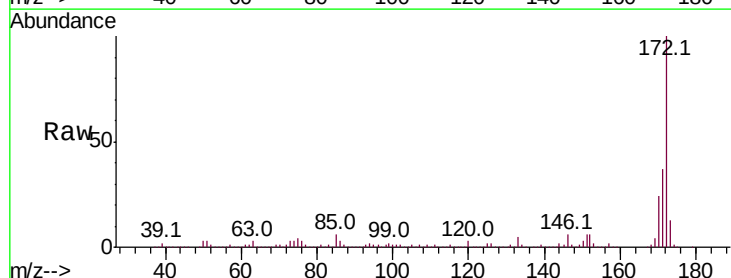
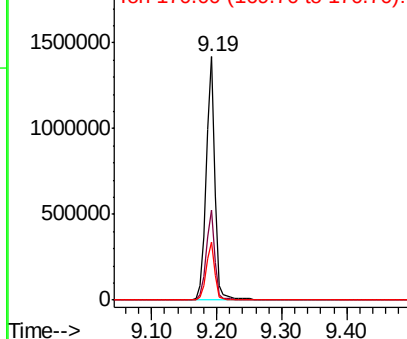
Delta R.T. -0.01 min

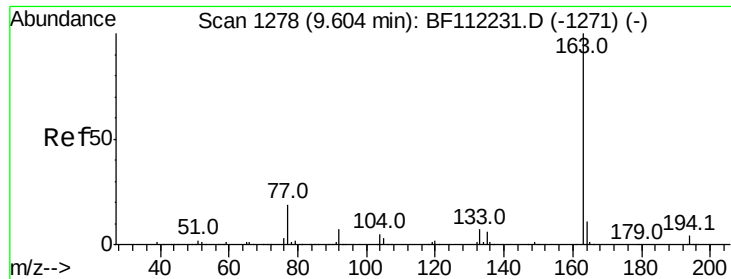
Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Tgt Ion:	172	Resp:	1326985
Ion Ratio	Lower	Upper	
172	100		
171	37.1	30.5	45.7
170	24.1	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





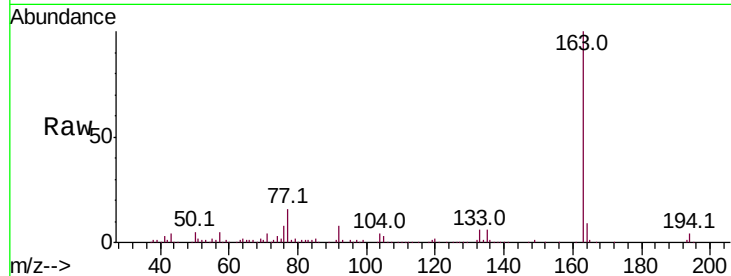
#50
Dimethylphthalate
Concen: 8.281 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

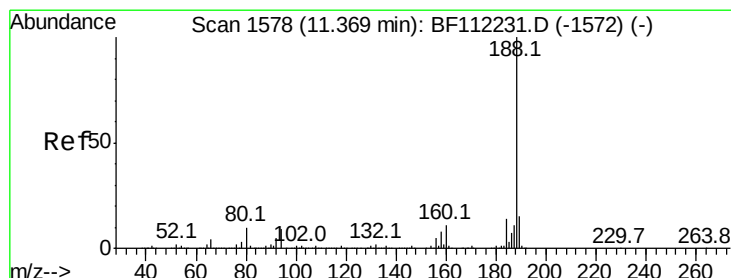
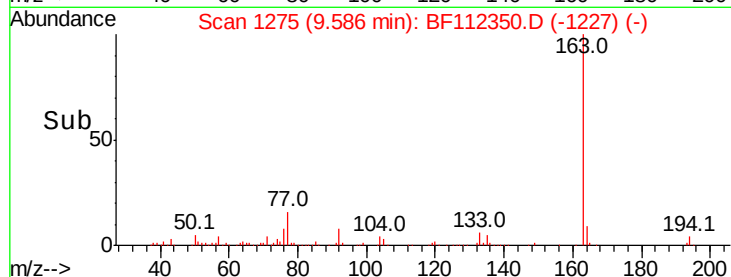
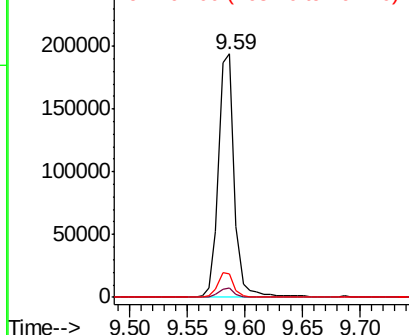
Tot Ion	Ratio	Resp	Lower	Upper
163	100	187212		
194	3.8		3.3	4.9
164	9.5		8.5	12.7

Manual Integrations
APPROVED

apatel
2/4/2019 12:42:52 PM

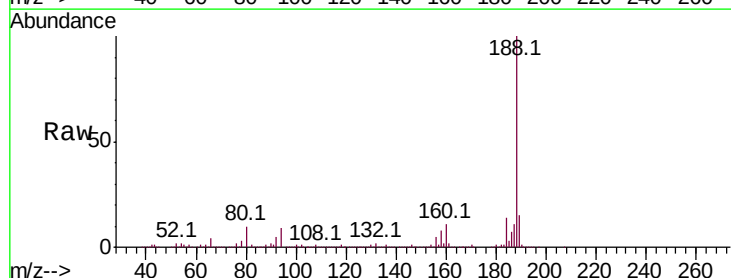


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

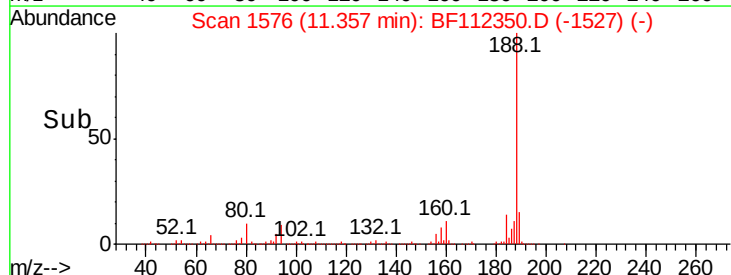
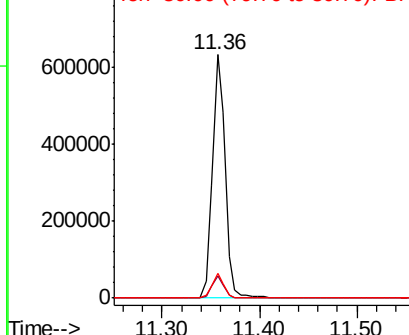


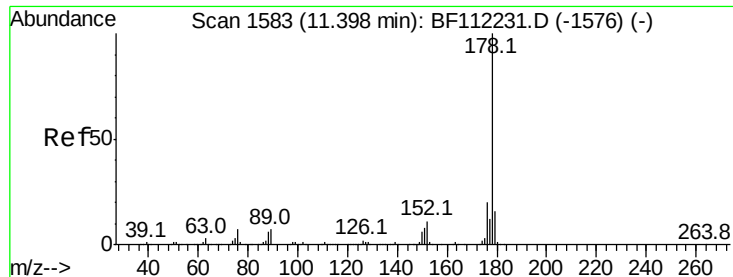
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	573606		
94	9.3		8.2	12.2
80	10.0		8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





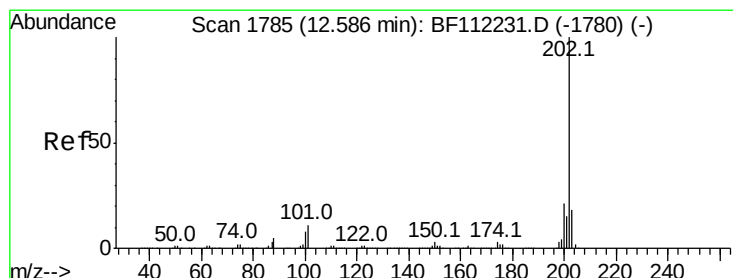
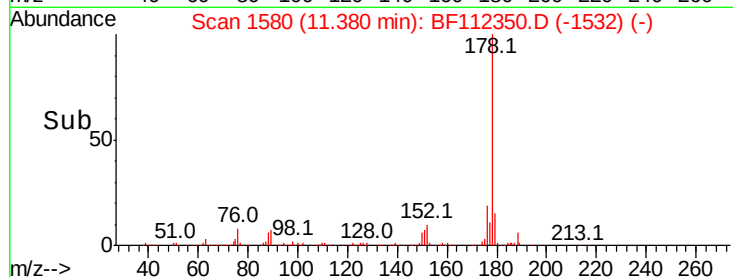
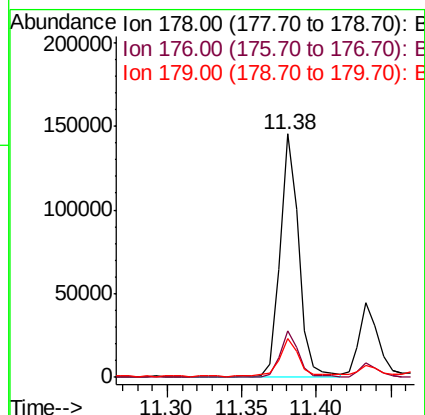
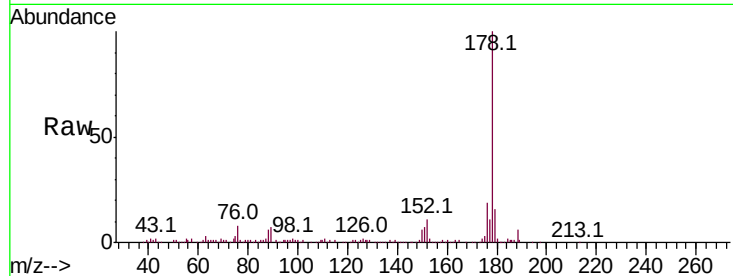
#71
Phenanthrene
Concen: 4.237 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.3	24.5
179	15.8	13.0	19.4

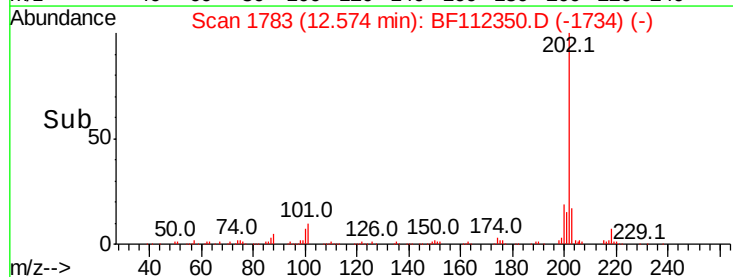
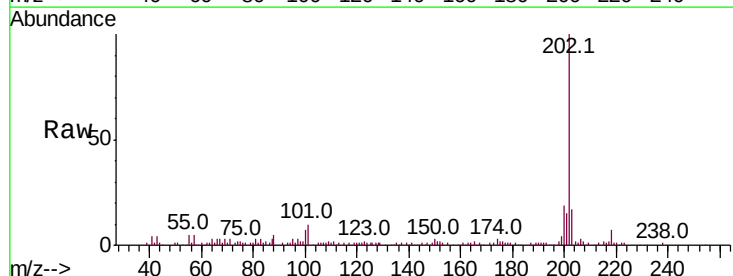
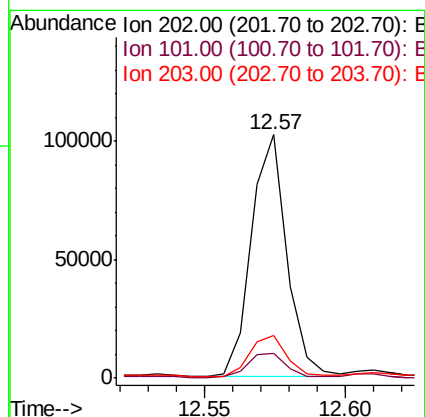
Manual Integrations
APPROVED

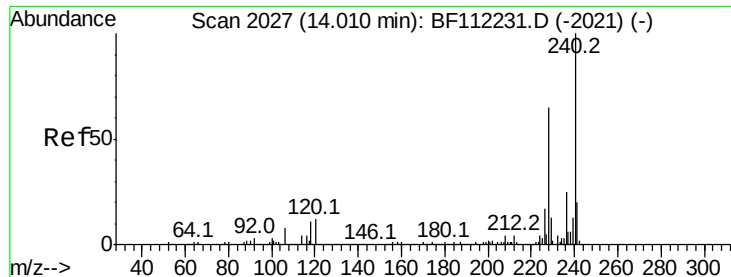
apatel
2/4/2019 12:42:52 PM



#75
Fluoranthene
Concen: 2.800 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.8
203	17.5	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

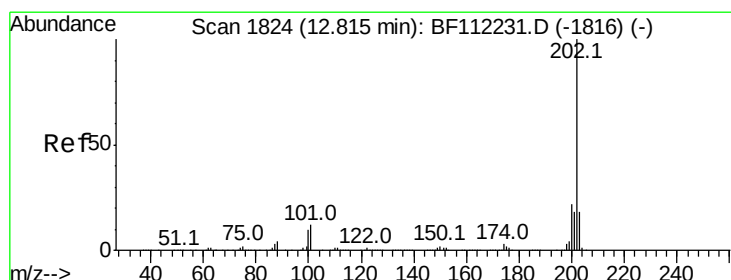
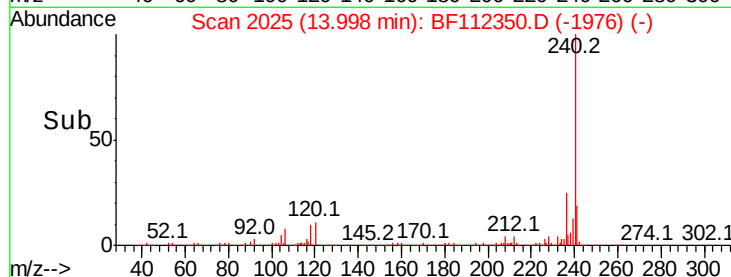
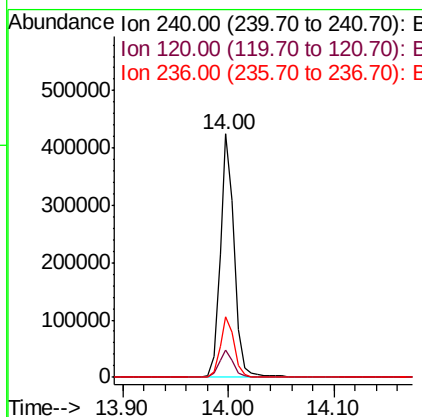
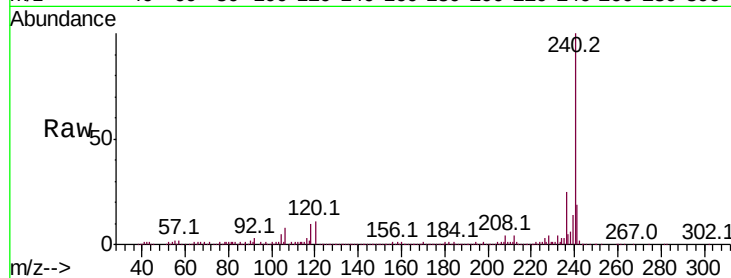
ClientSampleId :

0035-COMP-1

Tot Ion:	240	Resp:	394892
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.0	13.6
236	24.8	20.7	31.1

Manual Integrations
APPROVED

apatel
2/4/2019 12:42:52 PM



#78

Pyrene

Concen: 4.239 ng

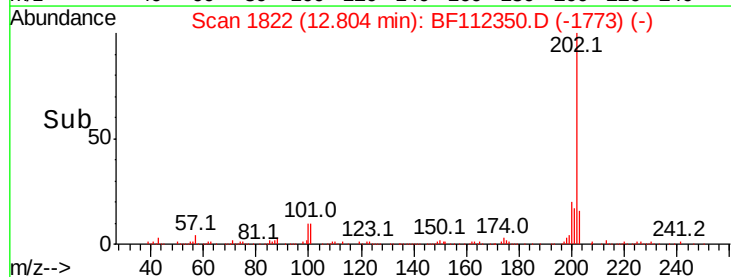
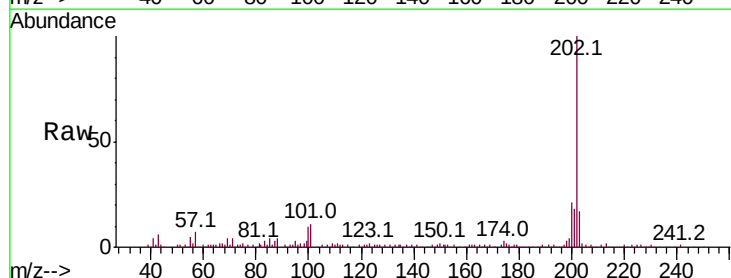
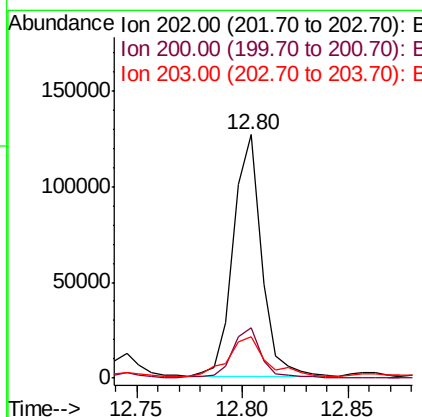
RT: 12.80 min Scan# 1822

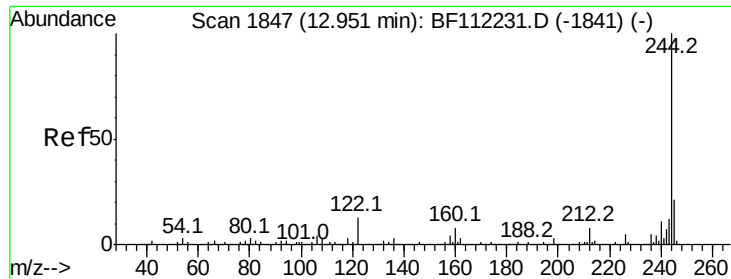
Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Tgt Ion:	202	Resp:	115895
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.7	26.5
203	17.2	14.6	22.0





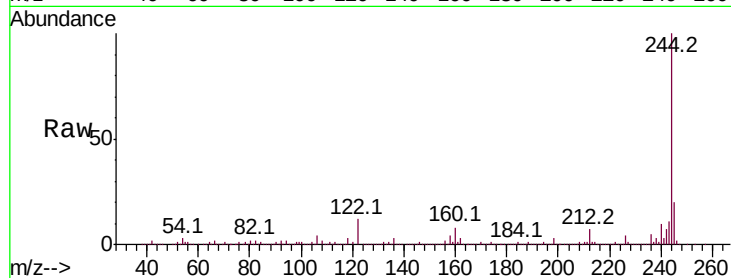
#79
 Terphenyl-d14
 Concen: 68.296 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112350.D
 Acq: 1 Feb 2019 14:41

Instrument :
 BNA_F
 ClientSampleId :
 0035-COMP-1

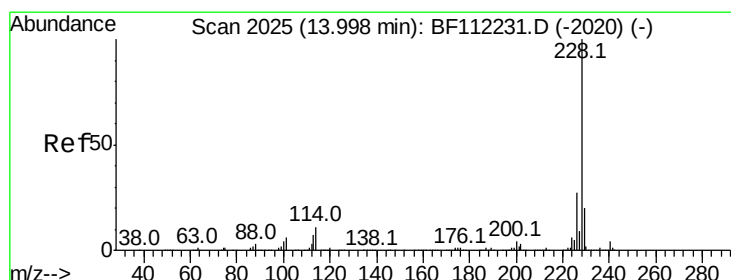
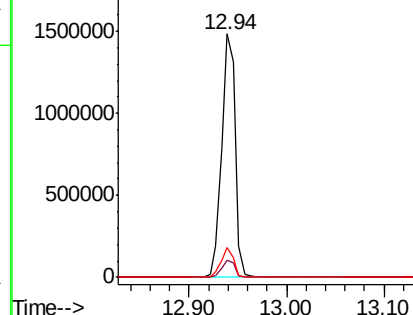
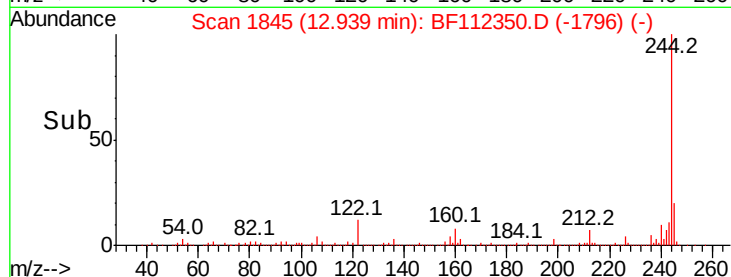
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.3	9.8	14.6

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:42:52 PM

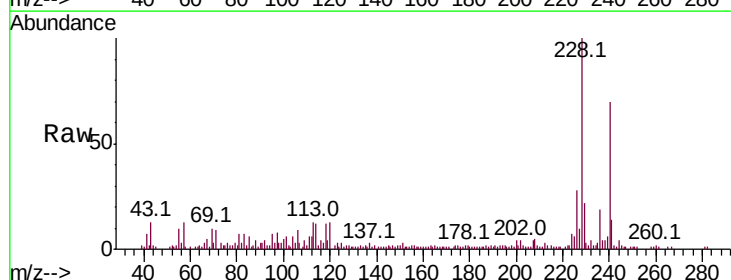


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

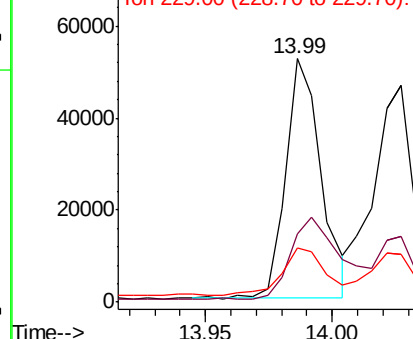
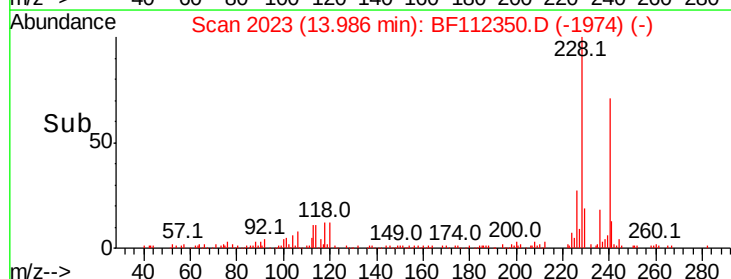


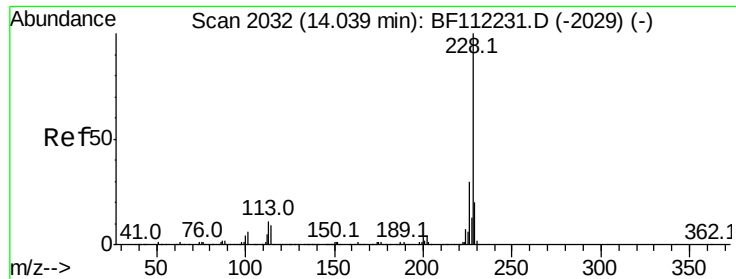
#81
 Benzo(a)anthracene
 Concen: 2.205 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF112350.D
 Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	34.0
229	22.4	16.5	24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





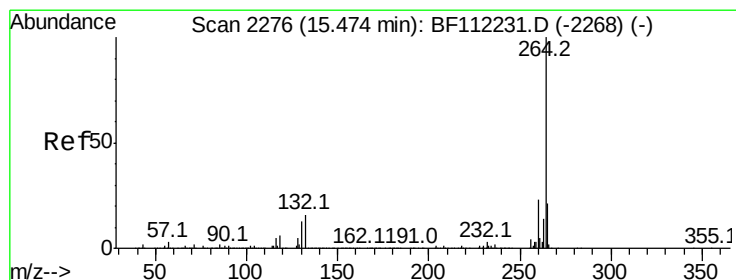
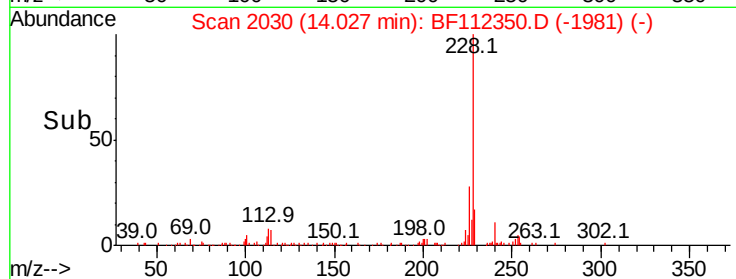
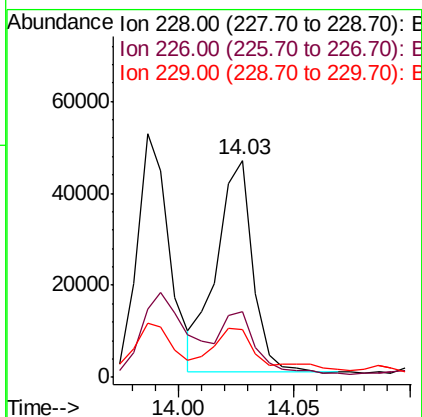
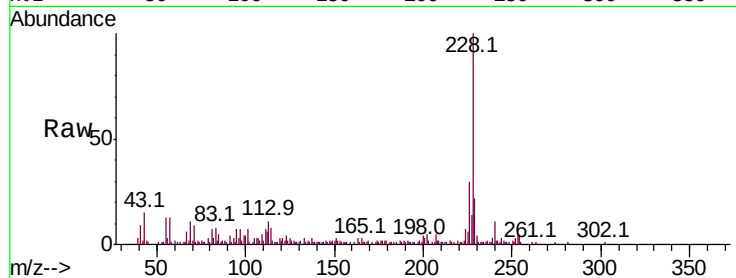
#83
Chrysene
Concen: 2.281 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion:	228	Resp:	50544
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	21.8	16.6	24.8

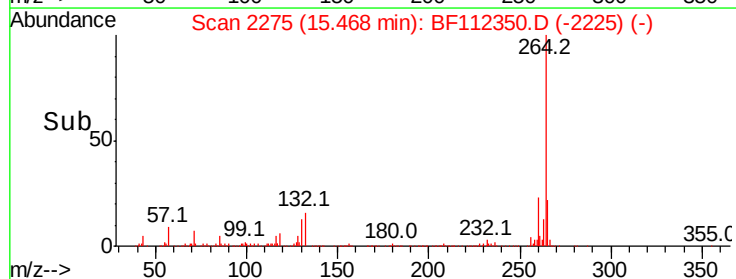
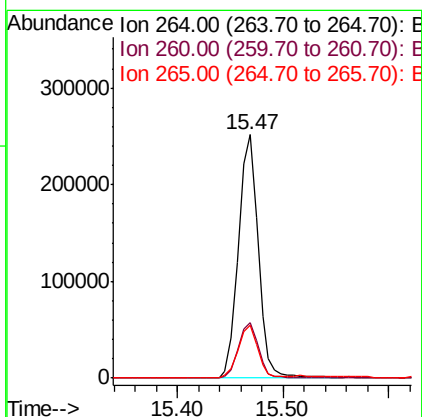
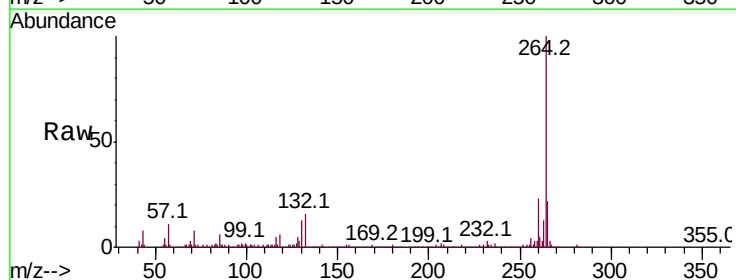
Manual Integrations
APPROVED

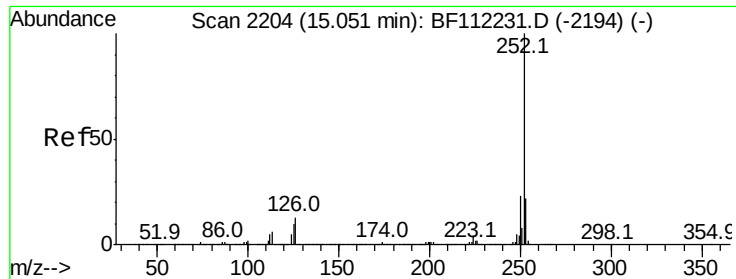
apatel
2/4/2019 12:42:52 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion:	264	Resp:	325153
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.2	27.2
265	21.8	17.0	25.4





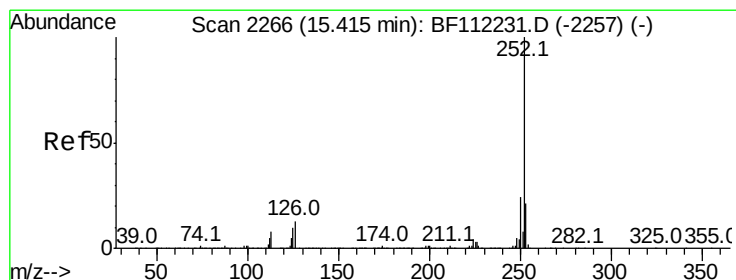
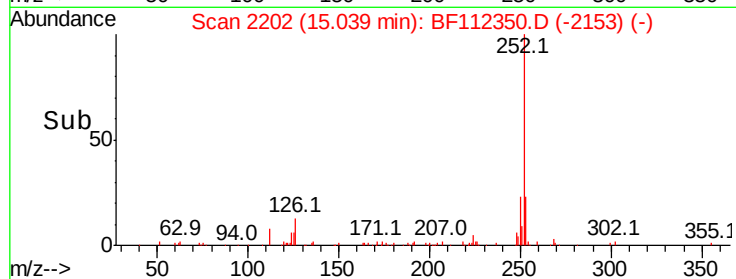
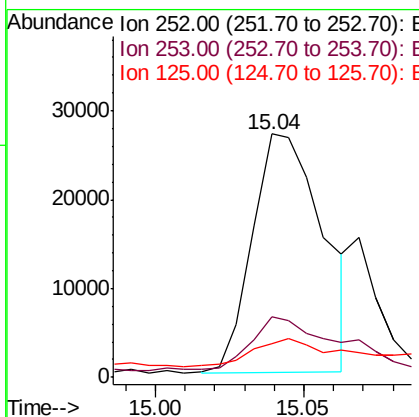
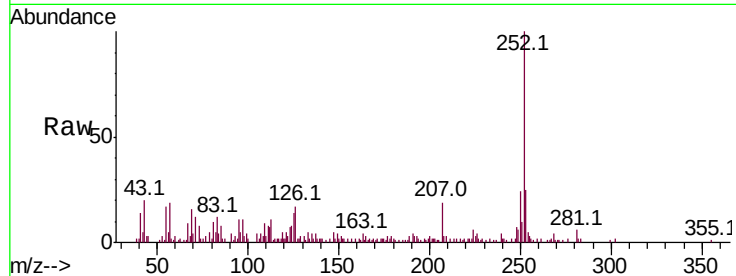
#88
Benzo(b)fluoranthene
Concen: 2.296 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	13.7	8.7	13.1

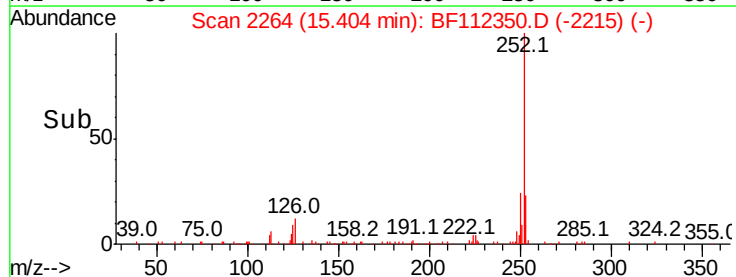
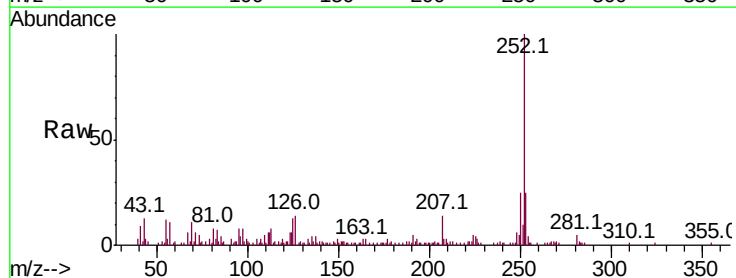
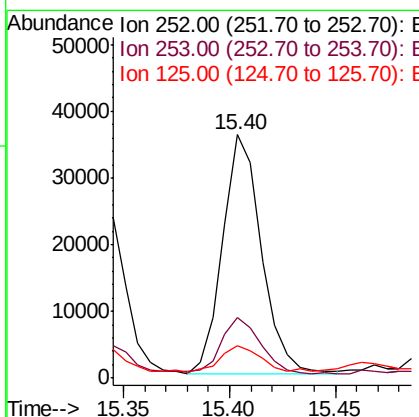
Manual Integrations
APPROVED

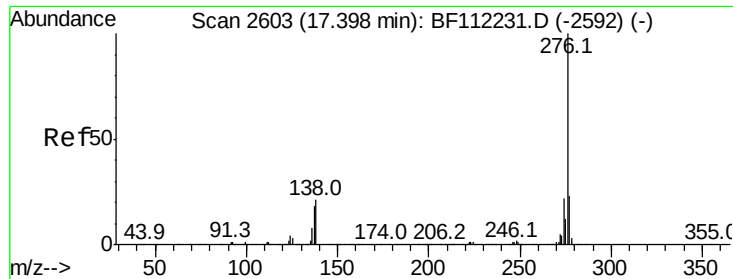
apatel
2/4/2019 12:42:52 PM



#90
Benzo(a)pyrene
Concen: 2.629 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	13.1	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 2.127 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.01 min
 Lab File: BF112350.D
 Acq: 1 Feb 2019 14:41

Instrument :
 BNA_F
 ClientSampleId :
 0035-COMP-1

Tot Ion:	276	Resp:	28302
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.4	29.0
138	22.2	19.1	28.7

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:42:52 PM

