

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112094.D
 Acq On : 17 Jan 2019 17:25
 Operator : JU/SJ
 Sample : K1156-12 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-9

Manual Integrations
 APPROVED

Sohil
 1/18/2019 11:45:56 AM

Quant Time: Jan 18 00:47:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	290525	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1079570	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	478827	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	783947	20.00	ng	0.00
76) Chrysene-d12	14.03	240	685341	20.00	ng	0.00
87) Perylene-d12	15.50	264	557442	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	814656	50.90	ng	0.00
7) Phenol-d6	6.50	99	1027718	51.32	ng	0.00
23) Nitrobenzene-d5	7.42	82	587622	37.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	226814	43.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1236172	37.85	ng	0.00
79) Terphenyl-d14	12.97	244	1085915	33.71	ng	0.00
Target Compounds						
10) Phenol	6.52	94	60138	2.748	ng	Qvalue # 71
50) Dimethylphthalate	9.60	163	96464	2.762	ng	100
71) Phenanthrene	11.41	178	338439	8.578	ng	98
75) Fluoranthene	12.60	202	614689	14.757	ng	98
78) Pyrene	12.83	202	574237	12.700	ng	99
81) Benzo(a)anthracene	14.02	228	318390	8.102	ng	99
83) Chrysene	14.05	228	285345	7.674	ng	96
86) Indeno(1,2,3-cd)pyrene	16.99	276	115972	3.381	ng	97
88) Benzo(b)fluoranthene	15.07	252	338743m	10.705	ng	
89) Benzo(k)fluoranthene	15.10	252	92017m	3.005	ng	
90) Benzo(a)pyrene	15.44	252	218380	7.526	ng	# 94
92) Benzo(a,h,i)perylene	17.43	276	114097	4.494	ng	98

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

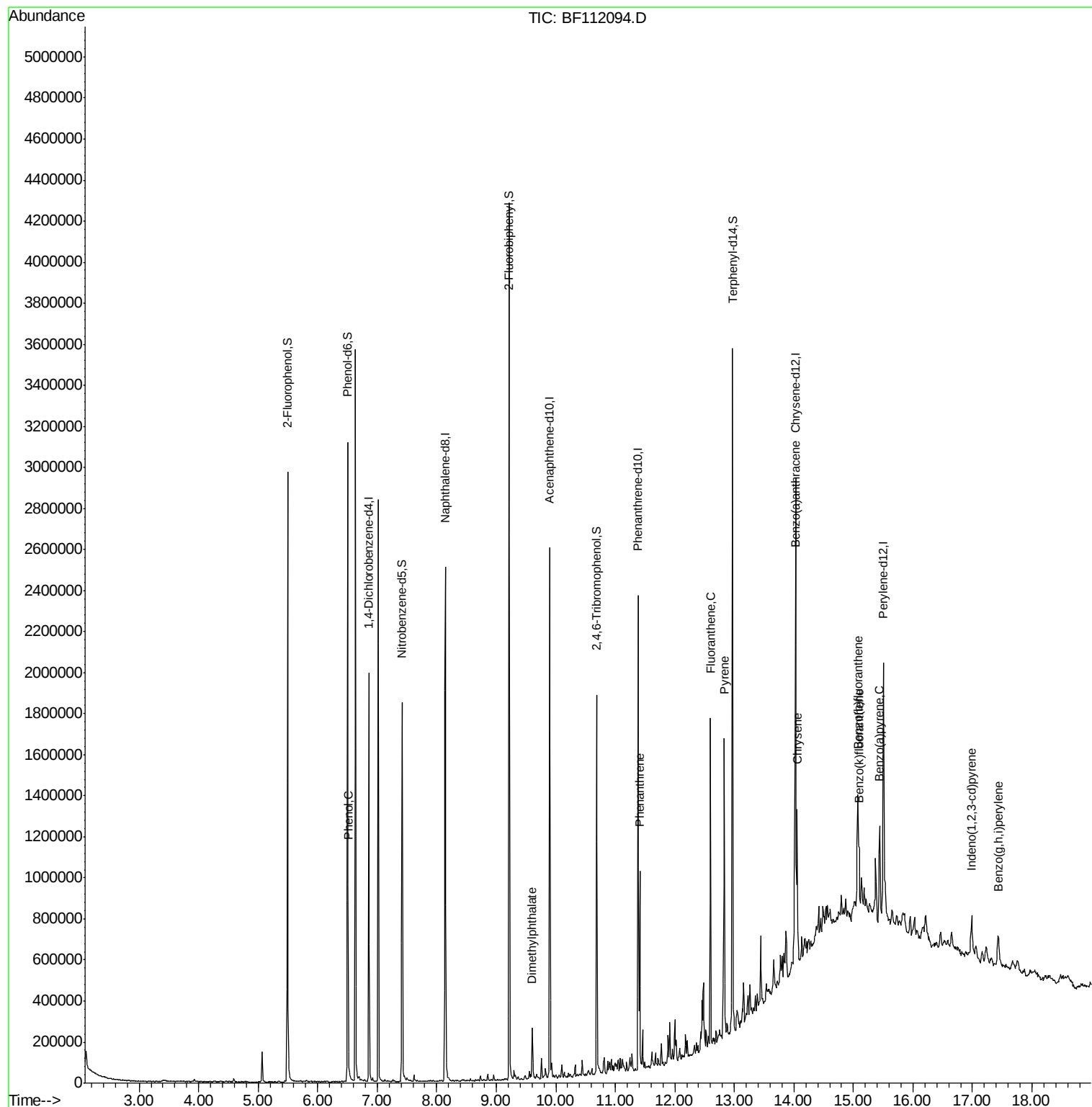
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112094.D
Acq On : 17 Jan 2019 17:25
Operator : JU/SJ
Sample : K1156-12 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

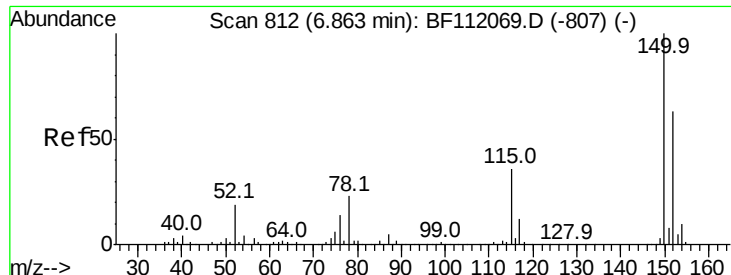
Instrument :
BNA_F
ClientSampleId :
COMP-9

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM

Quant Time: Jan 18 00:47:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 16 18:22:05 2019
Response via : Initial Calibration





#1

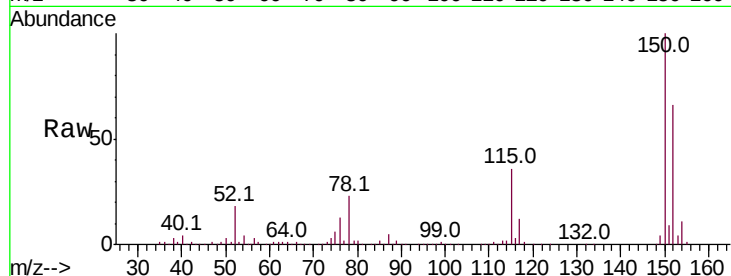
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	127.4	191.0
115	54.5	45.5	68.3

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM

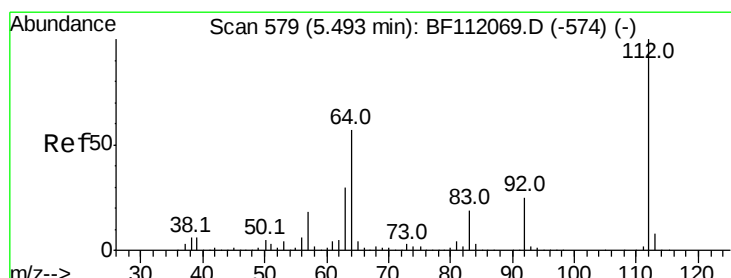
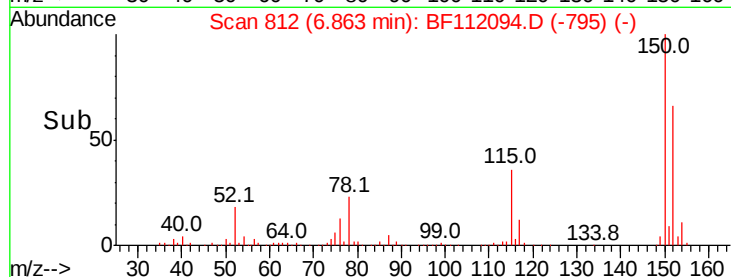
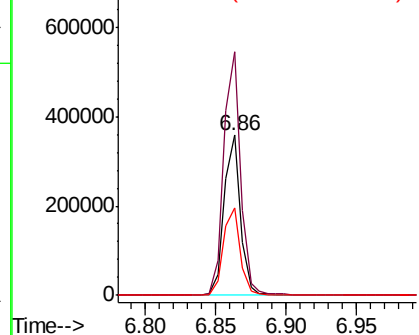


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

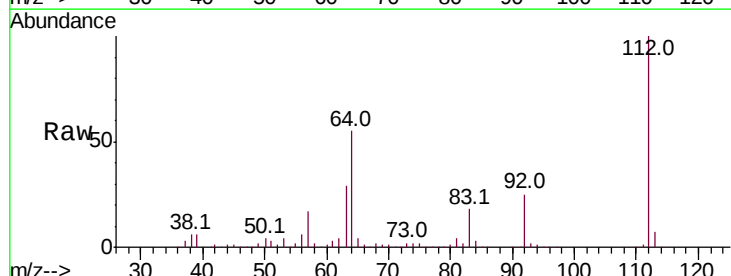
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.895 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.7	68.5
63	28.6	23.6	35.4

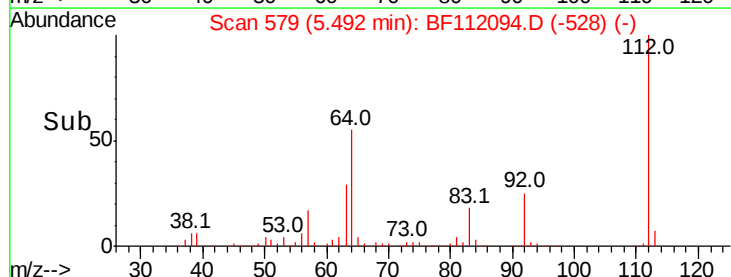
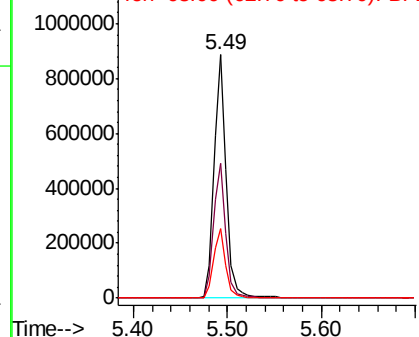


Abundance

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: 51.318 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampled :

COMP-9

Tot Ion: 99 Resp: 1027718

Ion Ratio Lower Upper

99 100

42 17.1 15.1 22.7

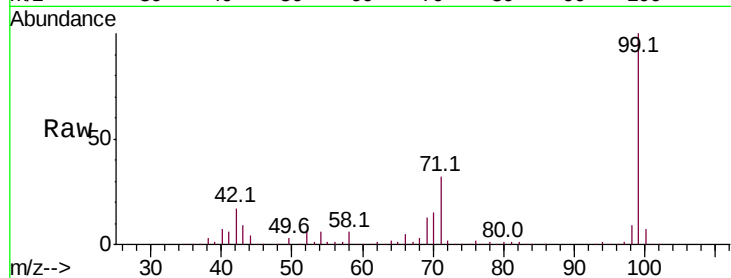
71 31.8 26.9 40.3

Manual Integrations

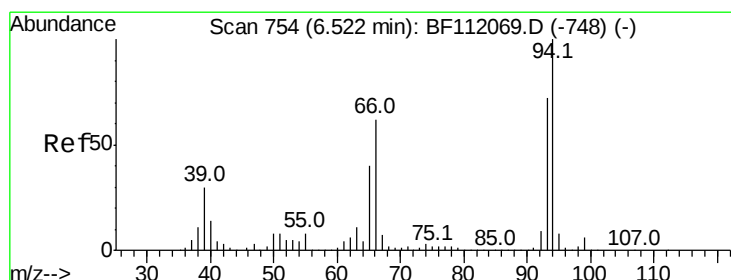
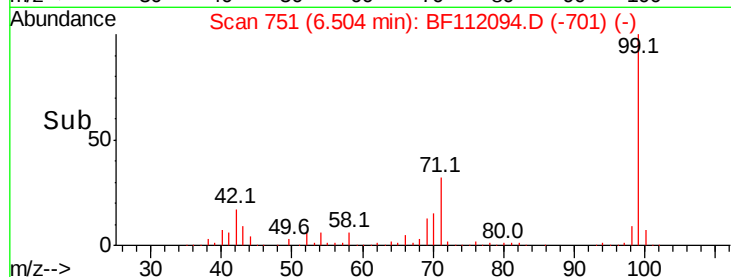
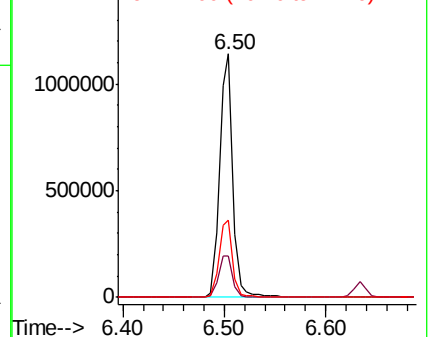
APPROVED

Sohil

1/18/2019 11:45:56 AM



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: 2.748 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

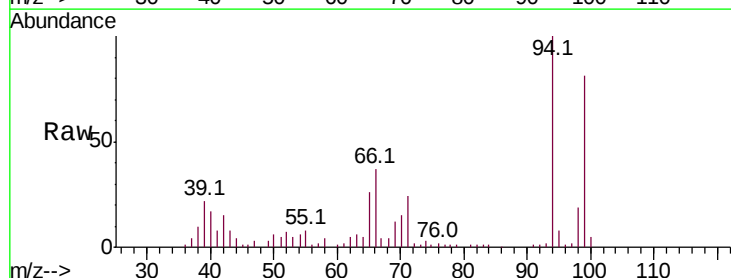
Tgt Ion: 94 Resp: 60138

Ion Ratio Lower Upper

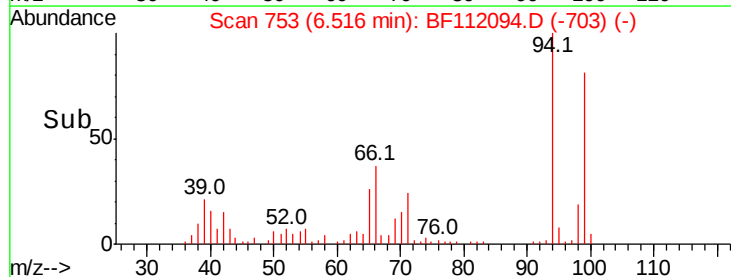
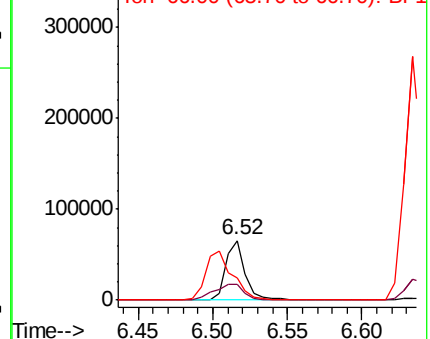
94 100

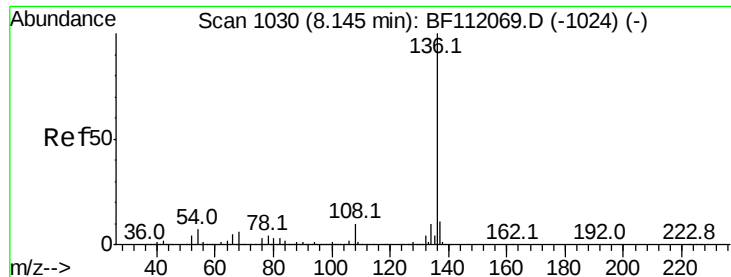
65 26.1 20.3 60.3

66 37.3 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: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampleId :

COMP-9

Tot Ion:136 Resp: 1079570

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.1 5.9 8.9

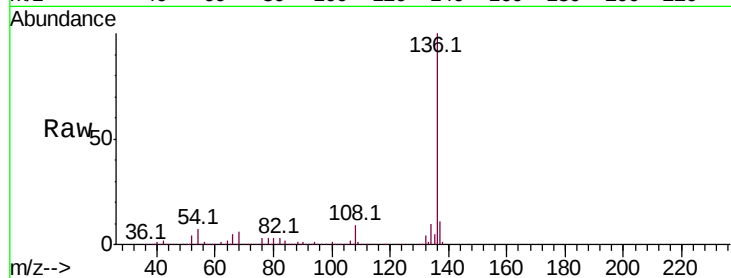
68 5.6 5.1 7.7

Manual Integrations

APPROVED

Sohil

1/18/2019 11:45:56 AM

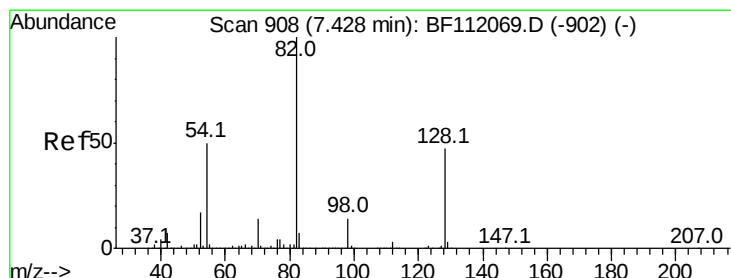
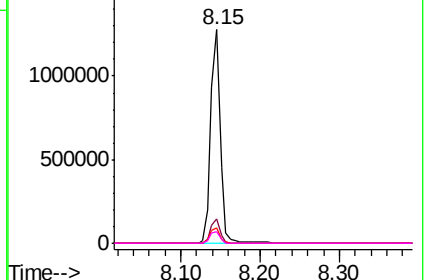
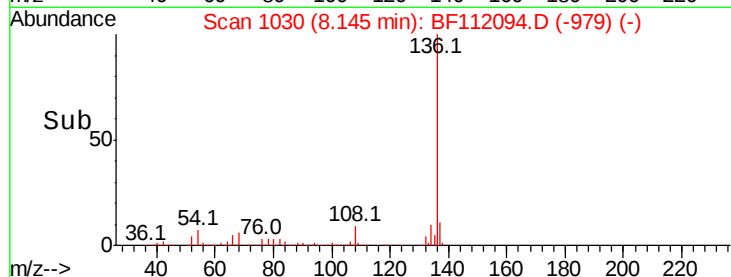


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 37.606 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

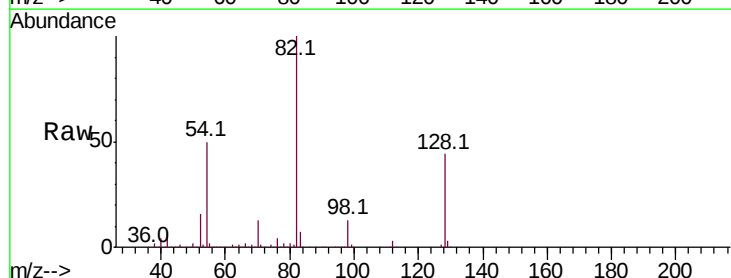
Tgt Ion: 82 Resp: 587622

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

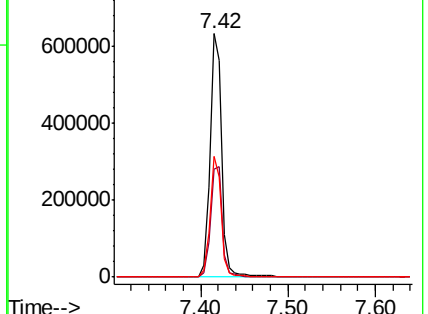
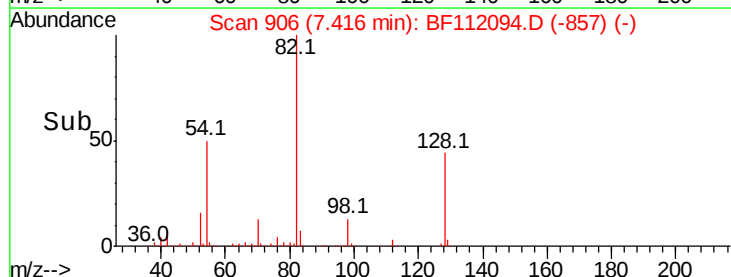
54 49.6 39.7 59.5

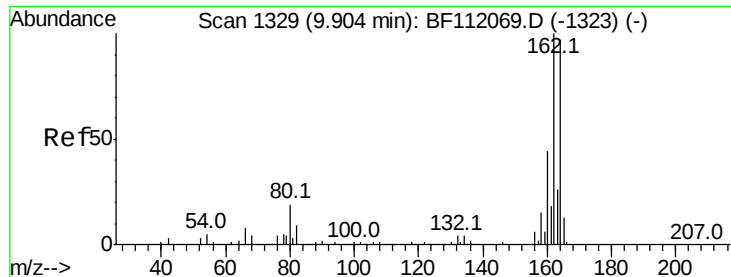


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





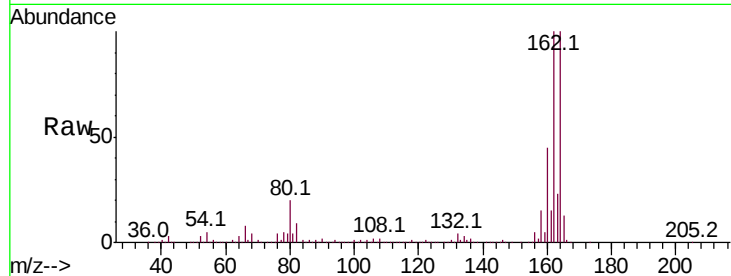
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

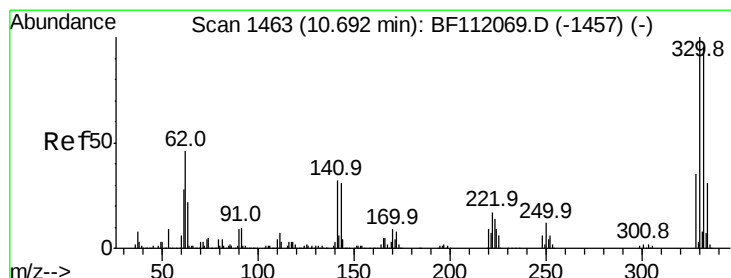
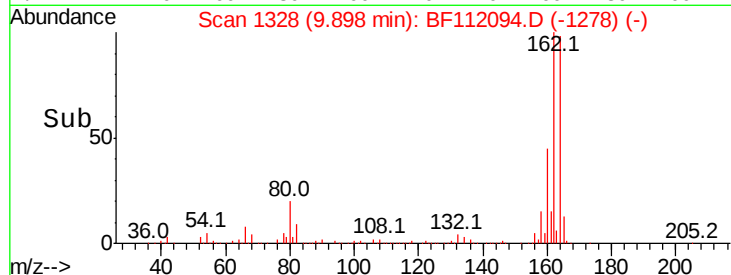
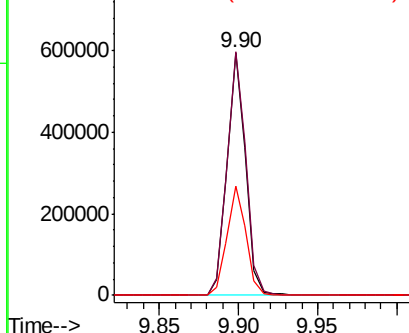
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.3	82.2	123.4	
160	45.1	36.2	54.4	

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM

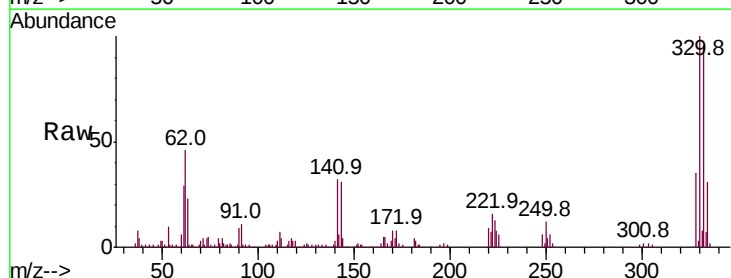


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

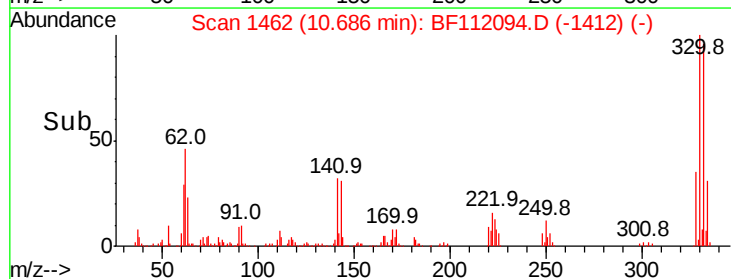
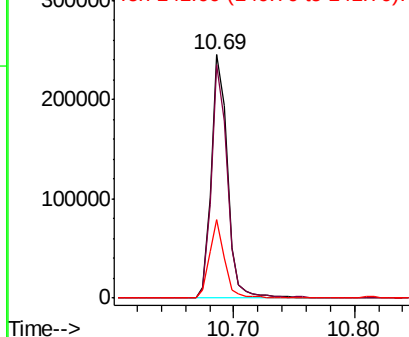


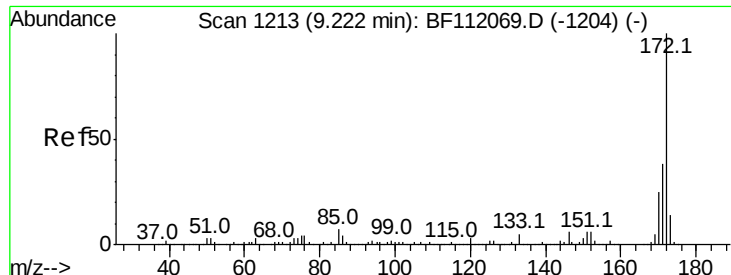
#42
2,4,6-Tribromophenol
Concen: 43.909 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.9	76.6	114.8	
141	29.6	24.3	36.5	



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





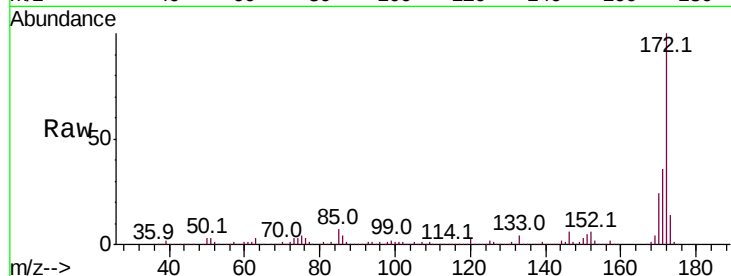
#45
2-Fluorobiphenyl
Concen: 37.850 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.5	45.7
170	23.9	20.2	30.4

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM

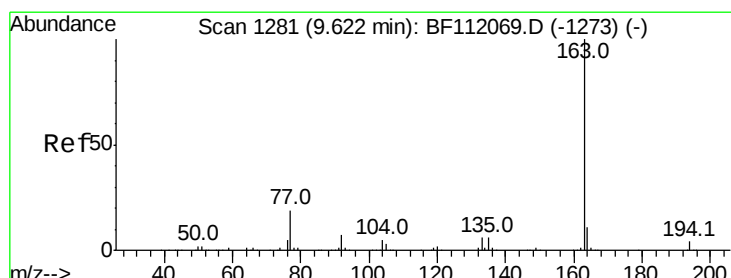
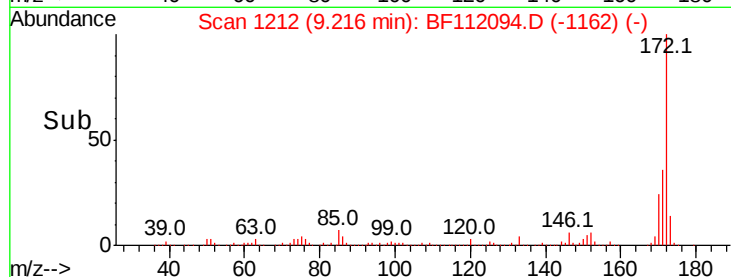
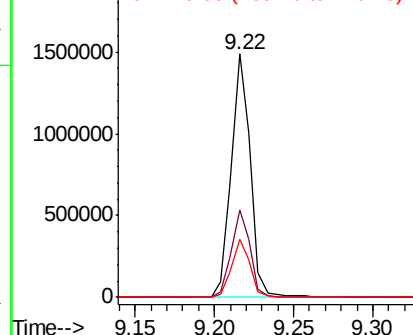


Abundance

Ion 172.00 (171.70 to 172.70): E

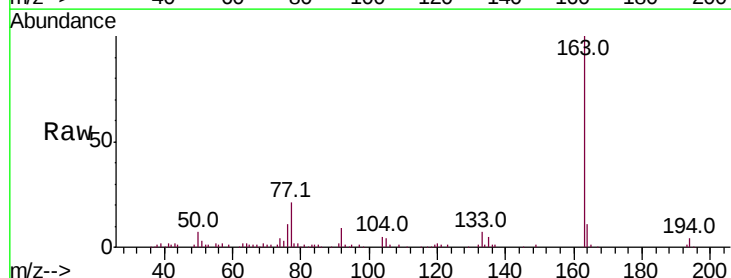
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.762 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.6	8.5	12.7

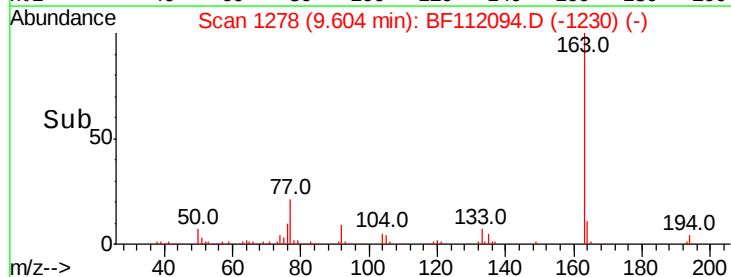
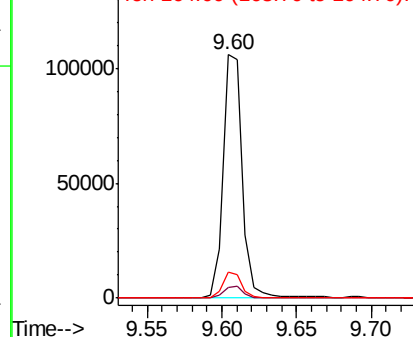


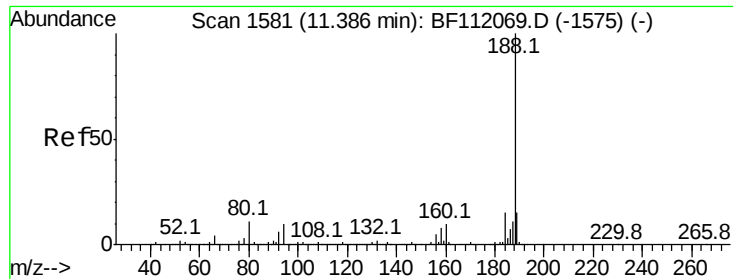
Abundance

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





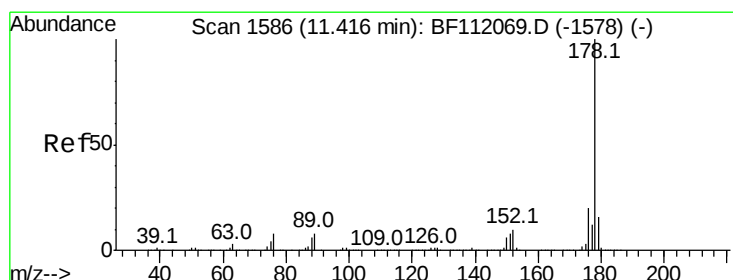
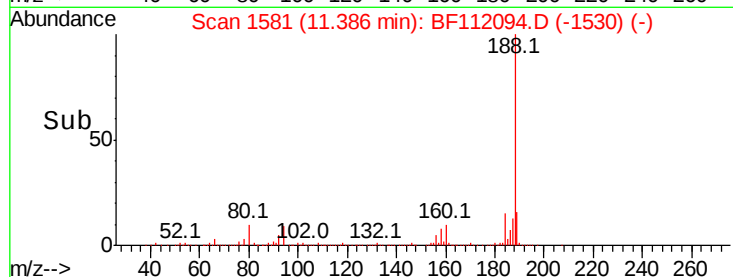
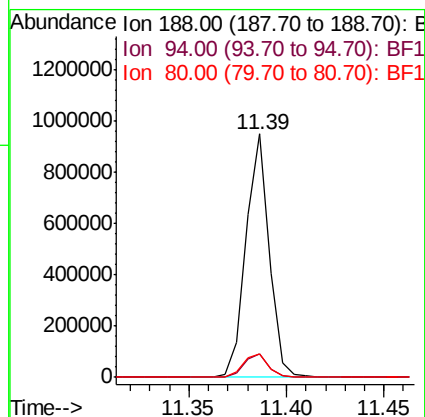
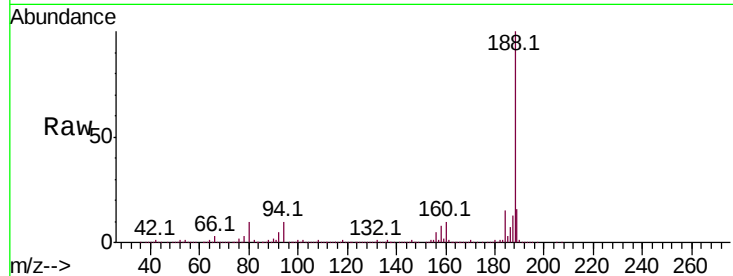
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.5	8.2	12.2
80	9.7	8.9	13.3

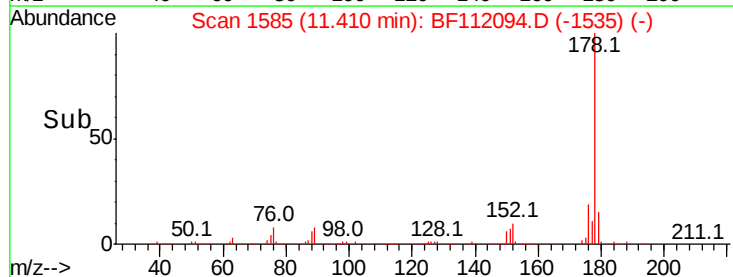
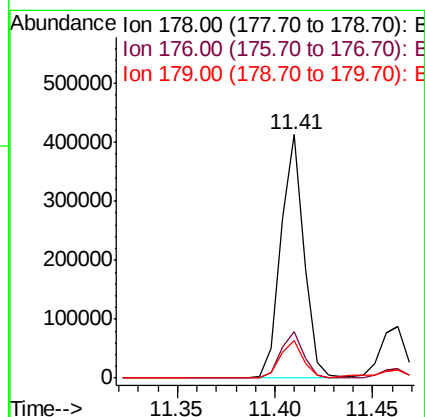
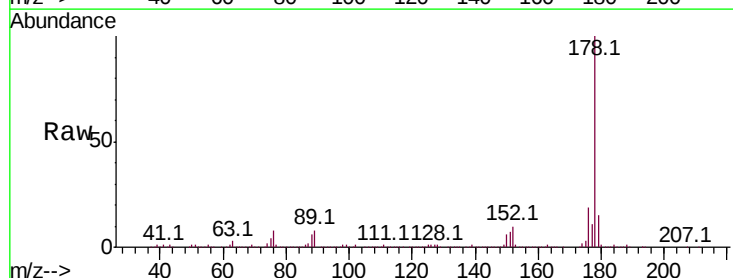
Manual Integrations
APPROVED

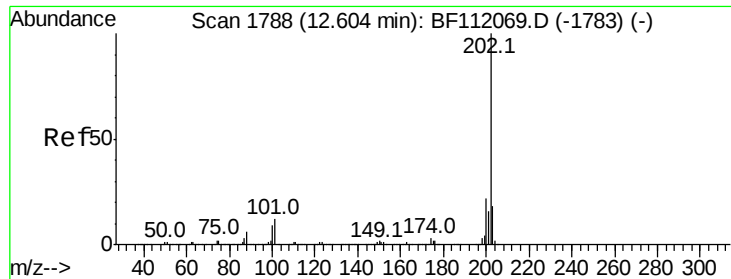
Sohil
1/18/2019 11:45:56 AM



#71
Phenanthrene
Concen: 8.578 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.3	24.5
179	15.3	13.0	19.4





#75

Fluoranthene

Concen: 14.757 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

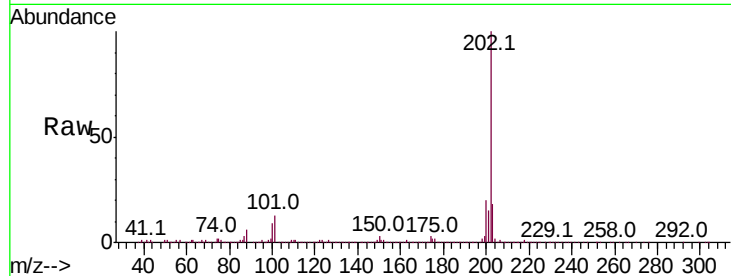
ClientSampleId :

COMP-9

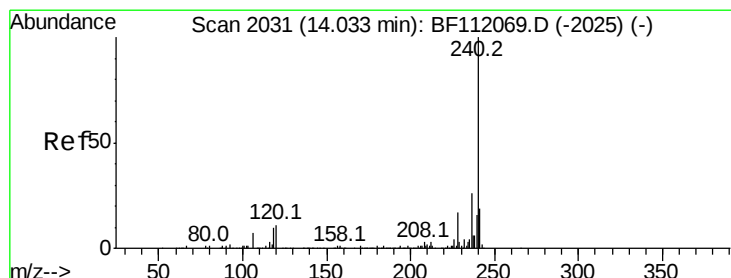
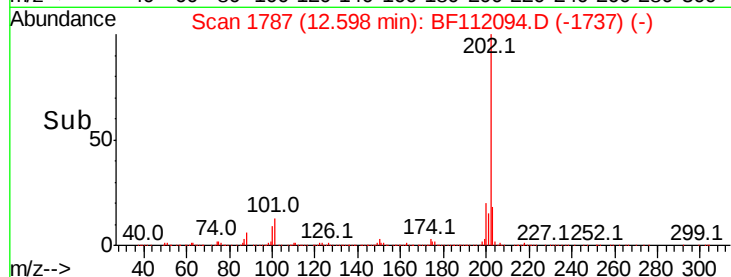
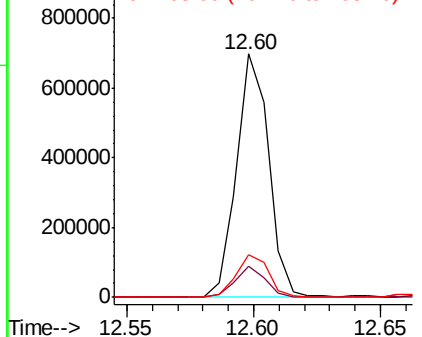
Tot Ion:	202	Resp:	614689
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	31.8
203	17.6	0.0	38.4

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

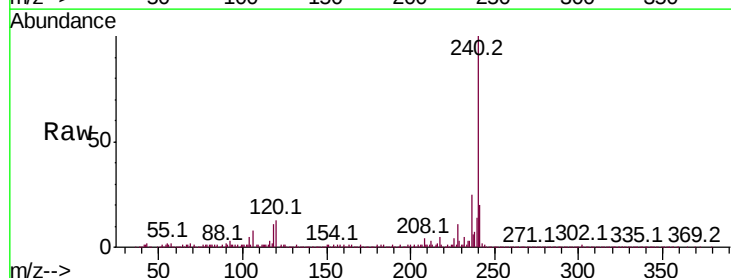
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

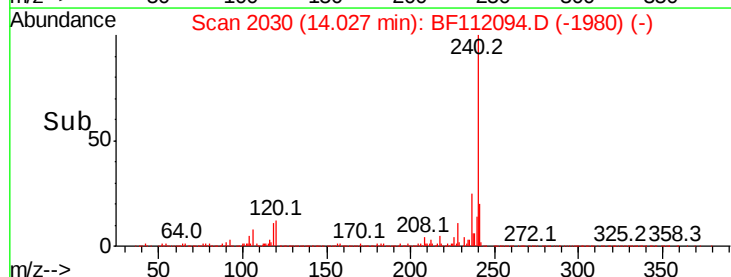
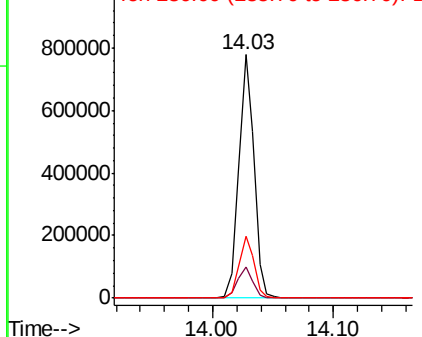
Lab File: BF112094.D

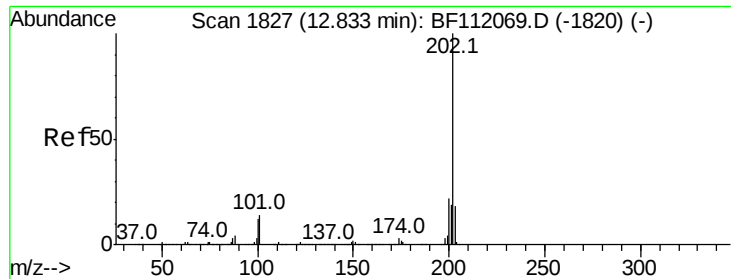
Acq: 17 Jan 2019 17:25

Tgt Ion:	240	Resp:	685341
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.0	13.6
236	25.5	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





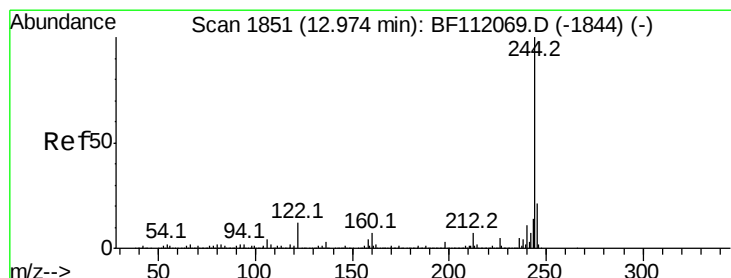
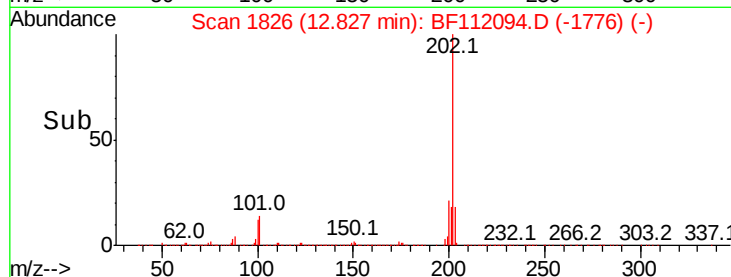
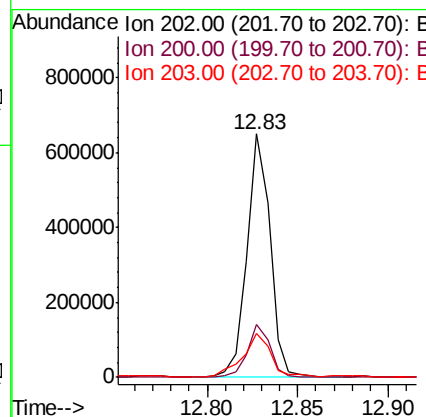
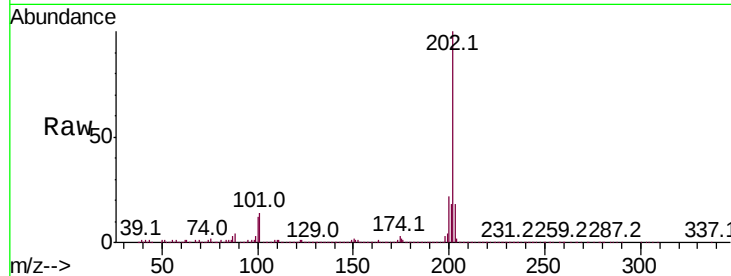
#78
Pvrene
Concen: 12.700 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	18.1	14.6	22.0

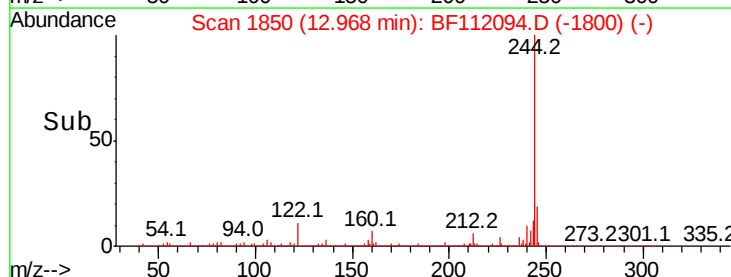
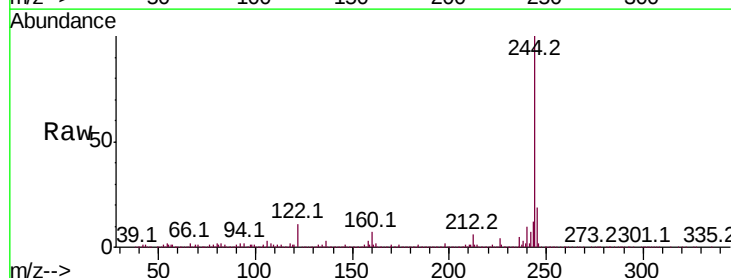
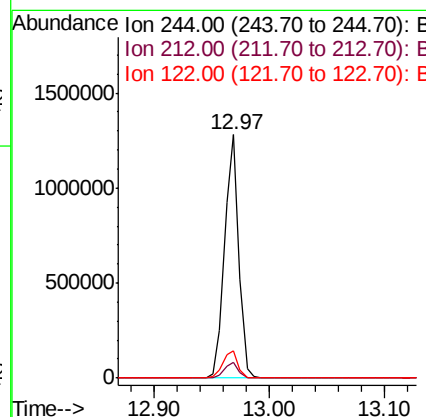
Manual Integrations
APPROVED

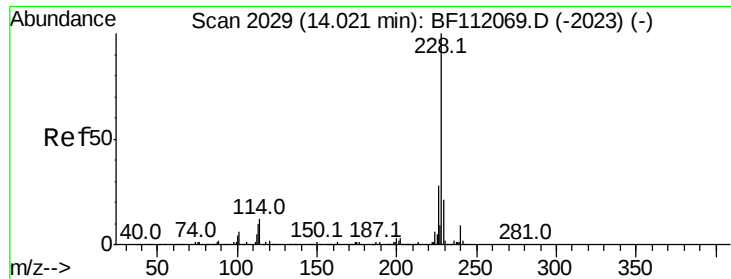
Sohil
1/18/2019 11:45:56 AM



#79
Terphenyl-d14
Concen: 33.708 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.9	8.9
122	11.1	9.8	14.6





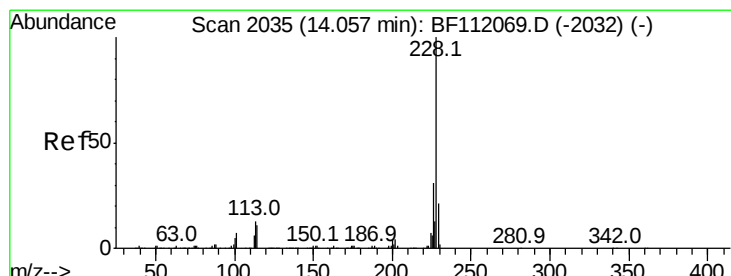
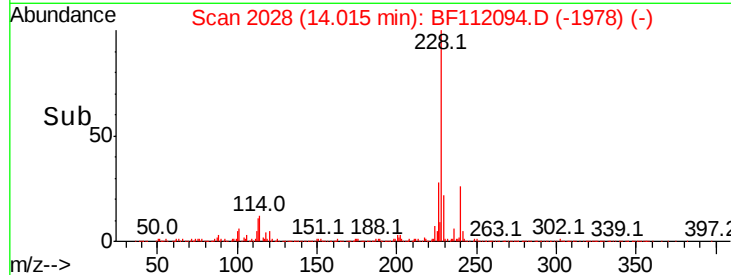
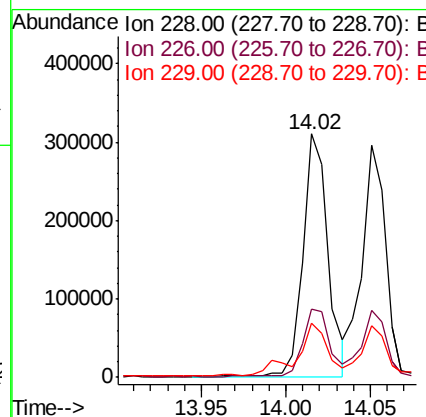
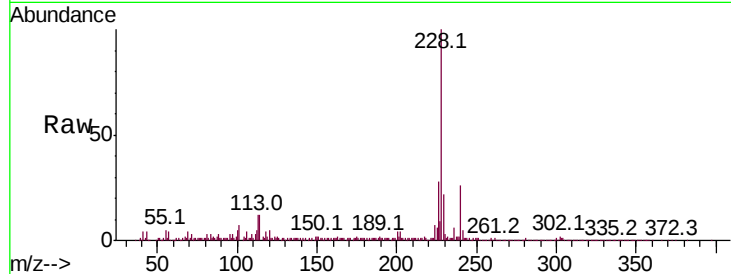
#81
Benzo(a)anthracene
Concen: 8.102 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	22.1	16.5	24.7

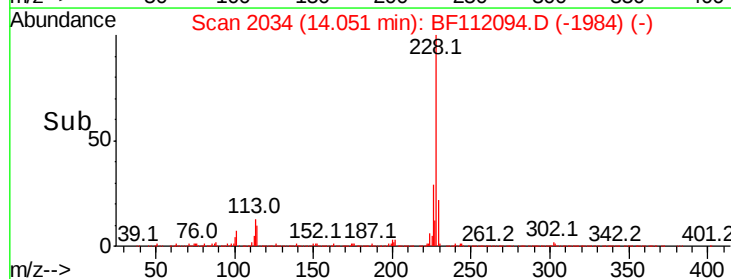
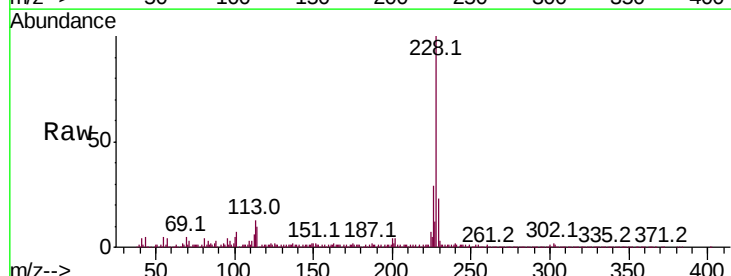
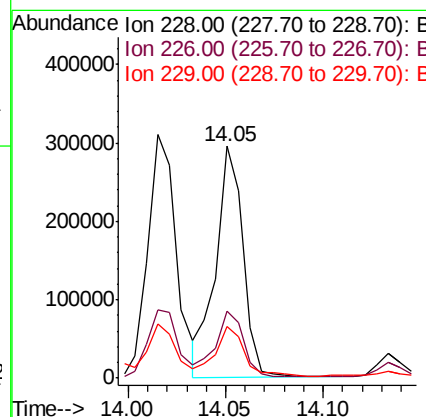
Manual Integrations
APPROVED

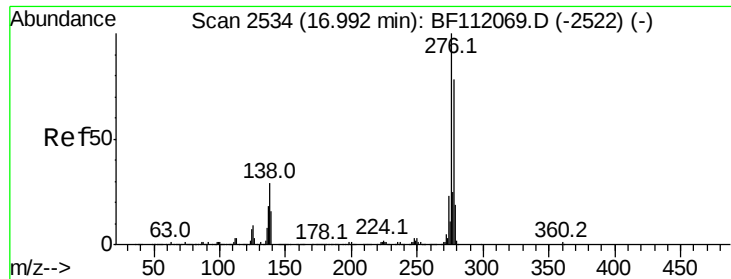
Sohil
1/18/2019 11:45:56 AM



#83
Chrysene
Concen: 7.674 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	22.5	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.381 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

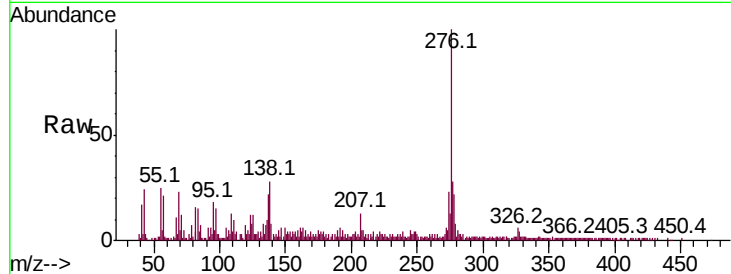
ClientSampleId :

COMP-9

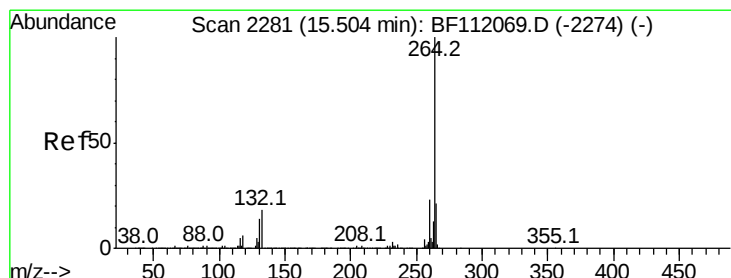
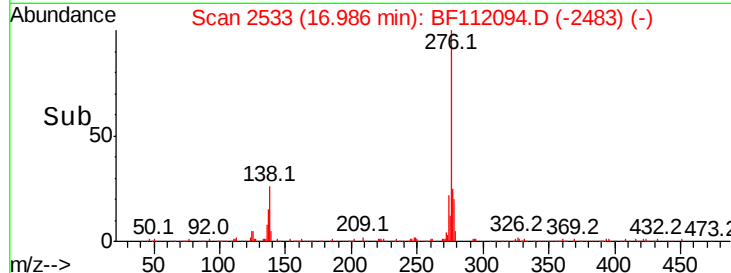
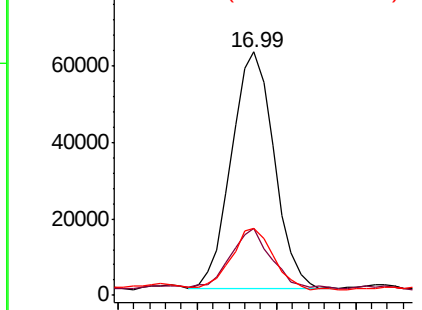
Tot Ion:	276	Resp:	115972
Ion Ratio	Lower	Upper	
276	100		
138	25.5	22.6	34.0
277	25.6	20.3	30.5

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

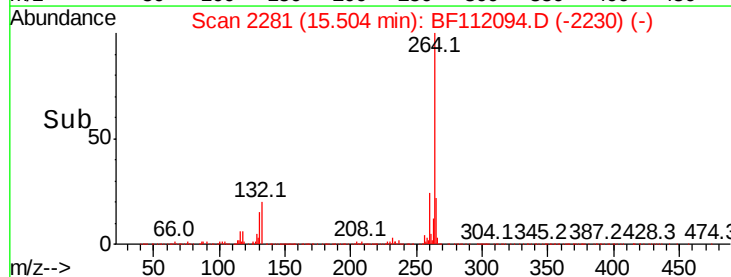
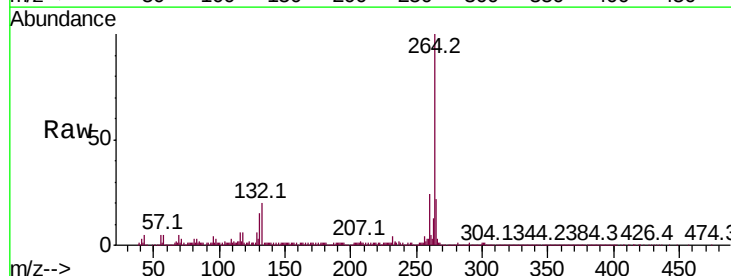
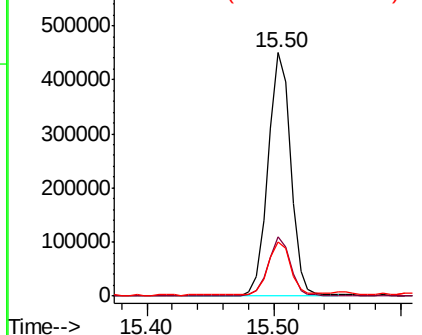
Delta R.T. -0.00 min

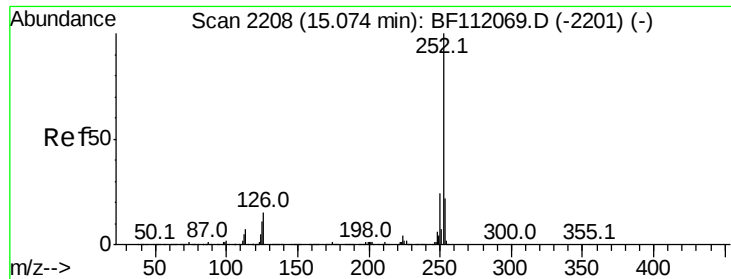
Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Tgt Ion:	264	Resp:	557442
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.2	27.2
265	22.1	17.0	25.4

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 10.705 ng m

RT: 15.07 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

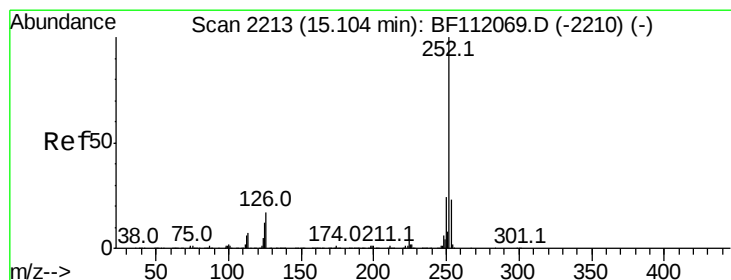
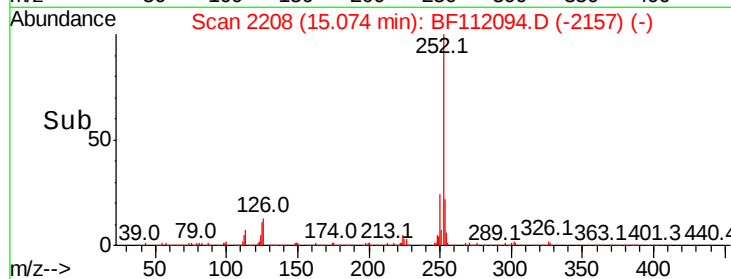
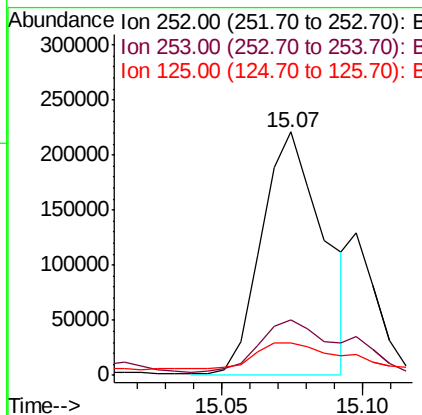
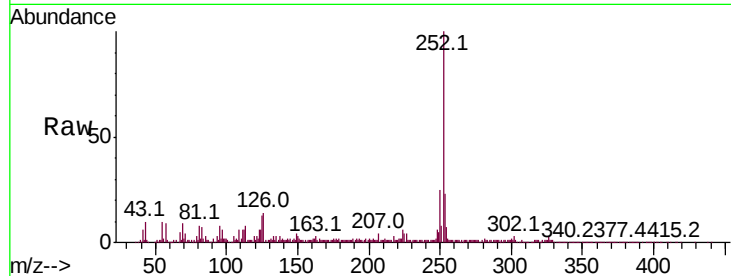
ClientSampleId :

COMP-9

Tot Ion:	252	Resp:	338743
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	13.4	8.7	13.1#

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM



#89

Benzo(k)fluoranthene

Concen: 3.005 ng m

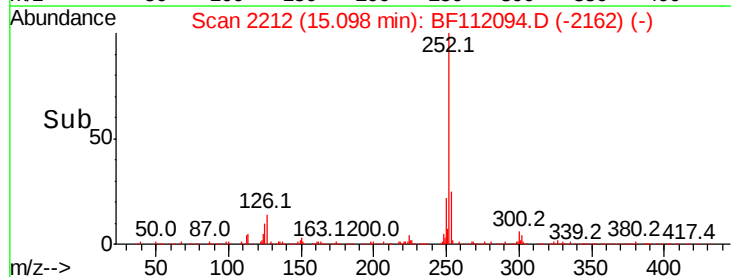
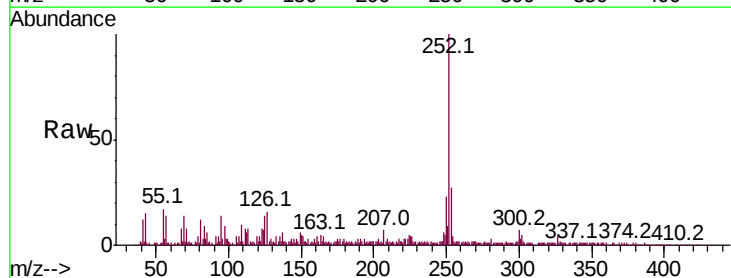
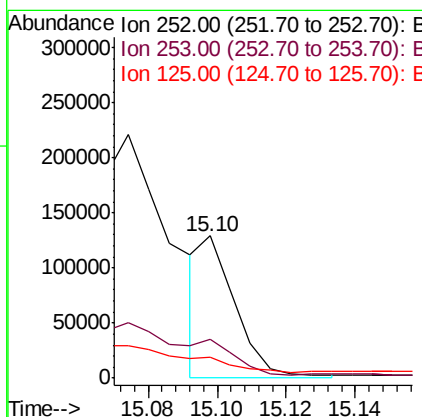
RT: 15.10 min Scan# 2212

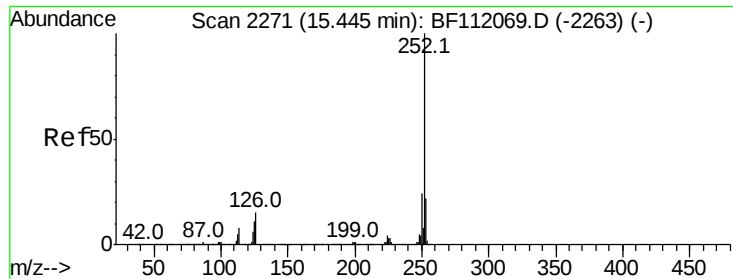
Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Tgt Ion:	252	Resp:	92017
Ion Ratio	Lower	Upper	
252	100		
253	27.1	18.0	27.0#
125	14.3	9.1	13.7#





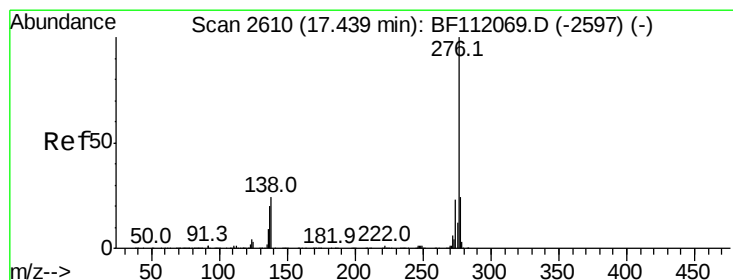
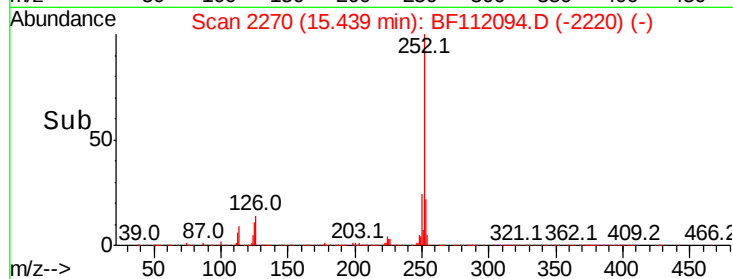
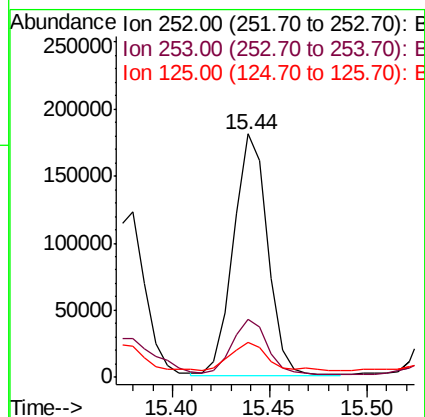
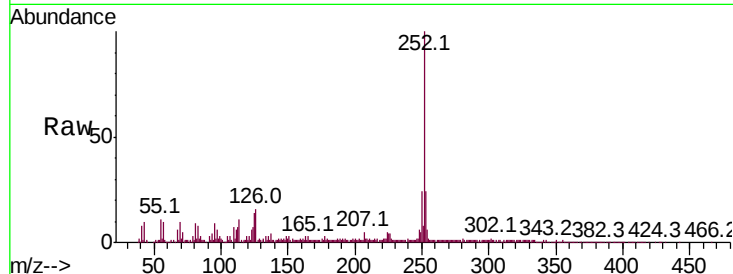
#90
Benzo(a)pyrene
Concen: 7.526 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampled :
COMP-9

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	17.5	26.3
125	14.2	9.0	13.4

Manual Integrations
APPROVED

Sohil
1/18/2019 11:45:56 AM



#92
Benzo(g,h,i)perylene
Concen: 4.494 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.0	19.4	29.0
138	25.3	19.1	28.7

