

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
 Data File : BF112191.D
 Acq On : 22 Jan 2019 14:14
 Operator : JU/SJ
 Sample : K1013-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-C

Manual Integrations
 APPROVED

Sohil
 1/23/2019 10:38:10 AM

Quant Time: Jan 22 15:30:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	258895	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	972841	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	412848	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	646447	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	543981	20.00	ng	-0.01
87) Perylene-d12	15.49	264	416563	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	286584	20.09	ng	-0.01
7) Phenol-d6	6.49	99	366500	20.54	ng	-0.01
23) Nitrobenzene-d5	7.41	82	216266	15.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	78495	17.62	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	442308	15.71	ng	-0.01
79) Terphenyl-d14	12.96	244	340114	13.30	ng	-0.01
Target Compounds						
71) Phenanthrene	11.40	178	187604	5.767	ng	97
75) Fluoranthene	12.59	202	203596	5.927	ng	95
78) Pyrene	12.82	202	173735	4.841	ng	97
81) Benzo(a)anthracene	14.00	228	79874	2.561	ng	95
83) Chrysene	14.04	228	73866m	2.503	ng	
88) Benzo(b)fluoranthene	15.06	252	81226m	3.435	ng	
90) Benzo(a)pyrene	15.43	252	49423	2.279	ng	# 81

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

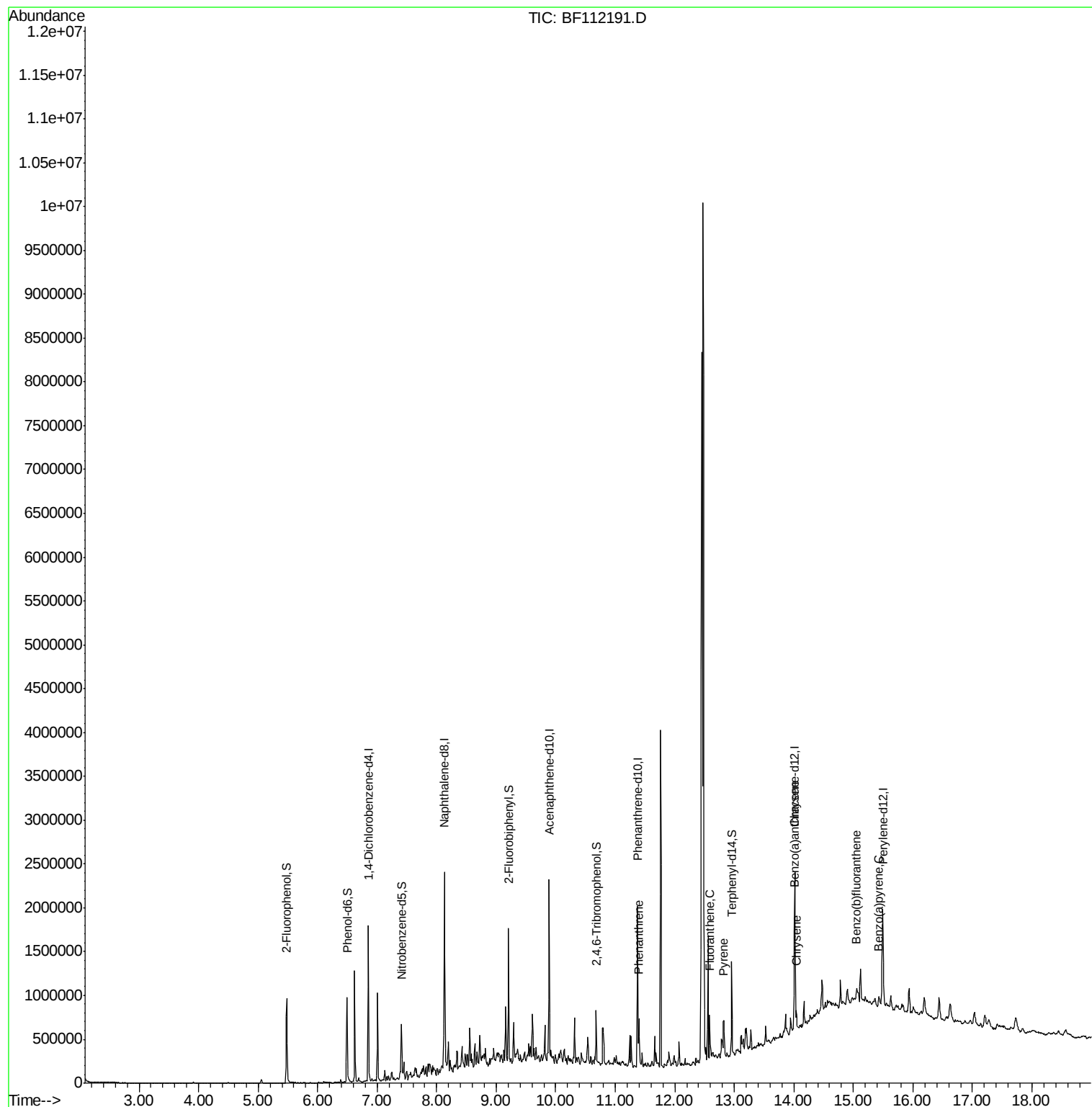
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

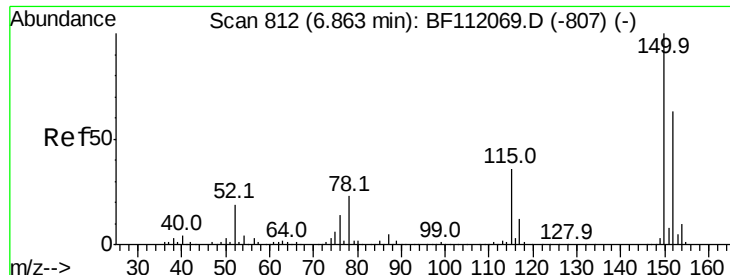
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 AM

Quant Time: Jan 22 15:30:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration





#1

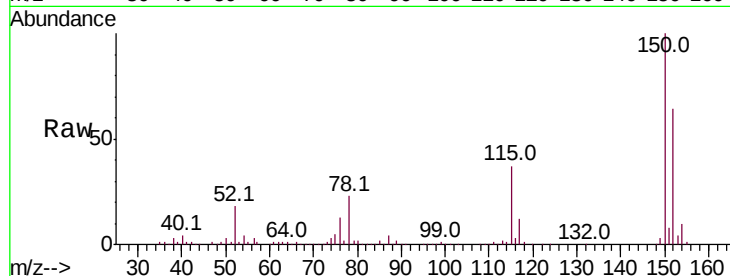
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.4	191.0
115	58.2	45.5	68.3

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 AM

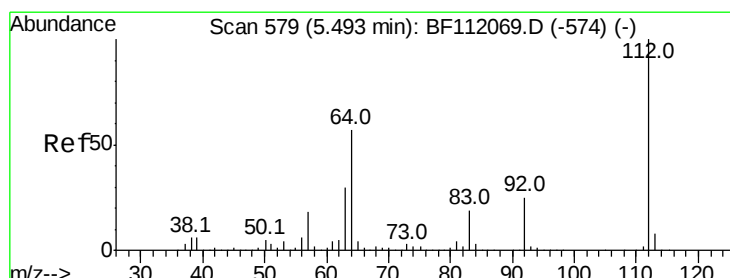
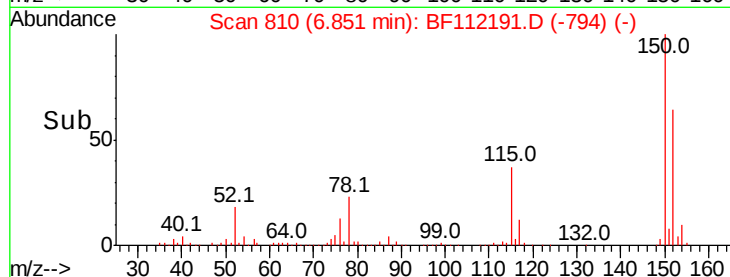
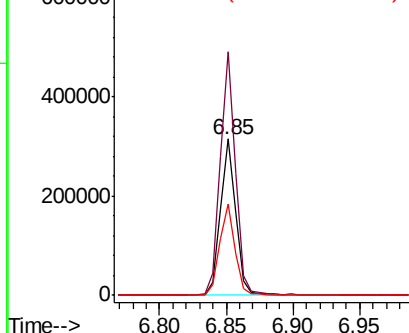


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

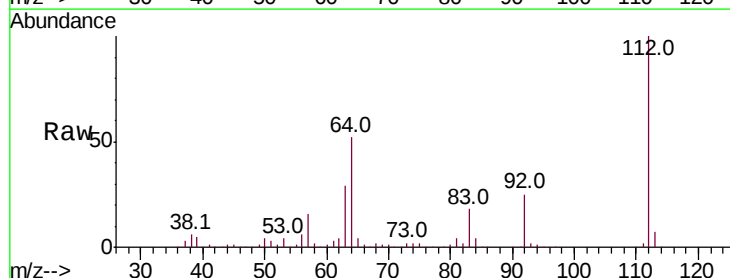
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.092 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	45.7	68.5
63	28.5	23.6	35.4

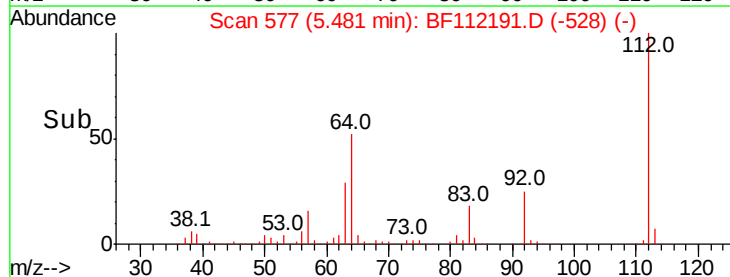
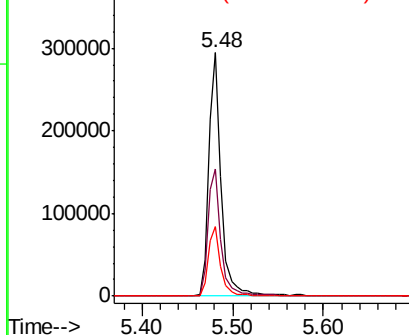


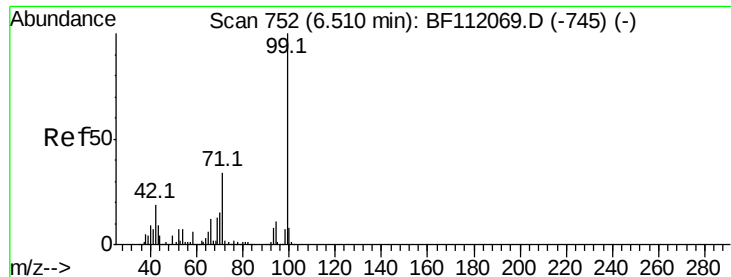
Abundance

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: 20.536 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112191.D

Acq: 22 Jan 2019 14:14

Instrument :

BNA_F

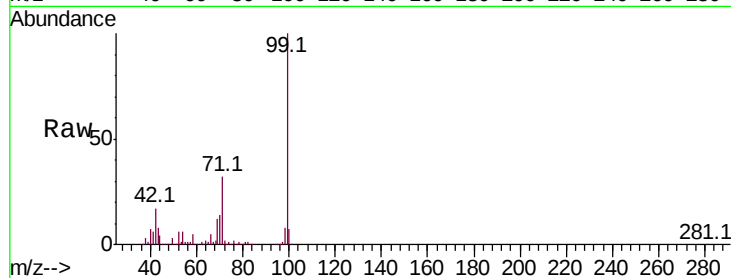
ClientSampleId :

PL-01-011819-C

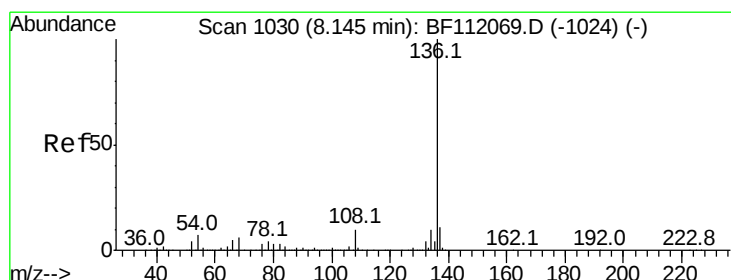
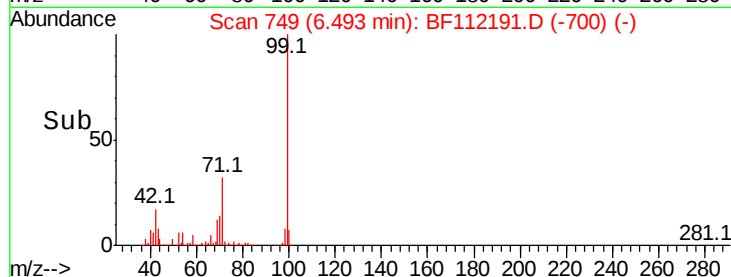
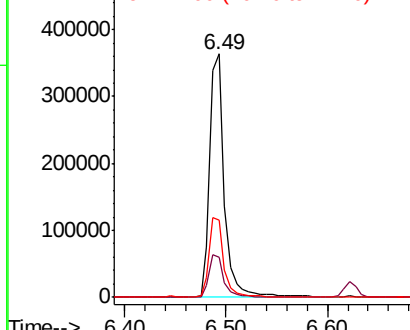
Tot Ion:	99	Resp:	366500
Ion Ratio	Lower	Upper	
99	100		
42	16.6	15.1	22.7
71	31.9	26.9	40.3

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

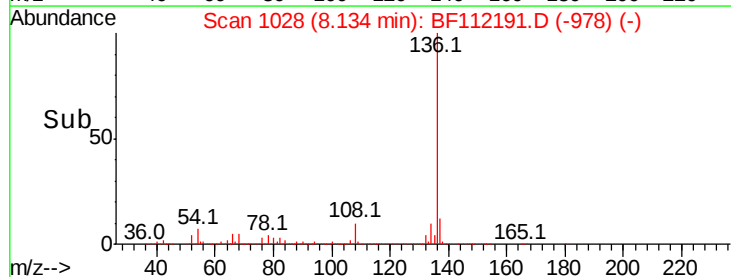
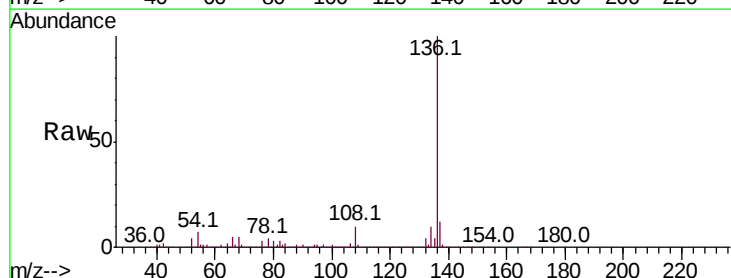
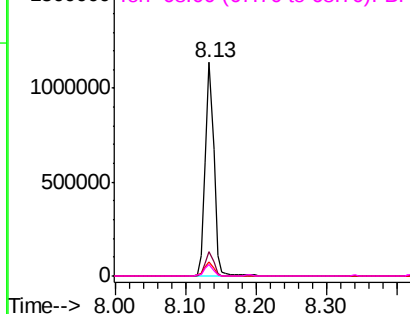
Delta R.T. -0.01 min

Lab File: BF112191.D

Acq: 22 Jan 2019 14:14

Tgt Ion:	136	Resp:	972841
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	6.8	5.9	8.9
68	5.3	5.1	7.7

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





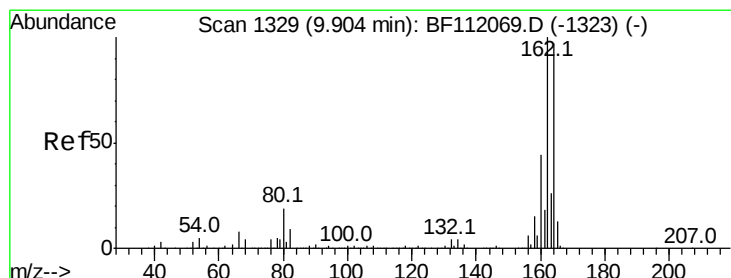
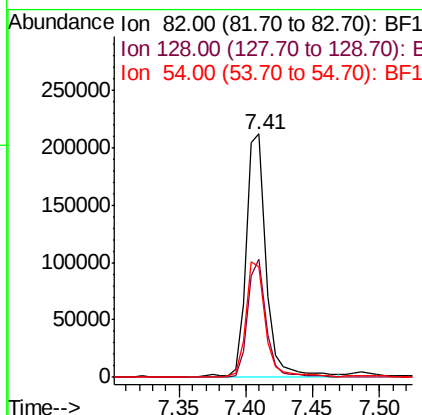
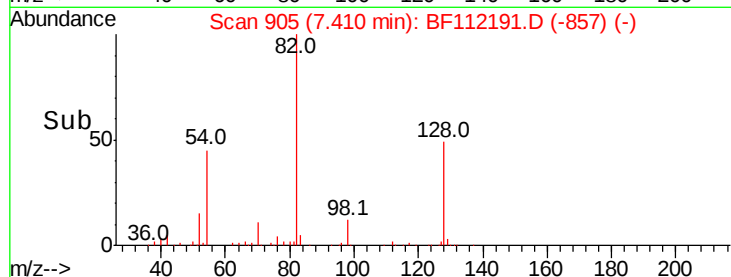
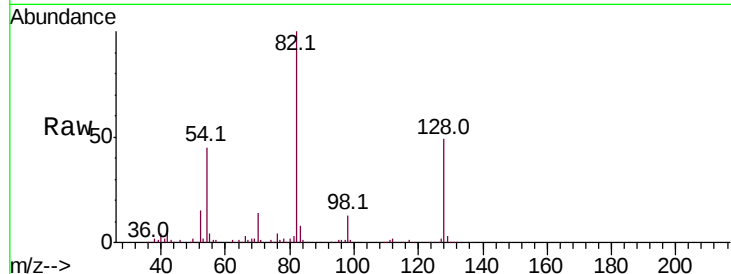
#23
Nitrobenzene-d5
Concen: 15.359 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.8	56.8
54	45.4	39.7	59.5

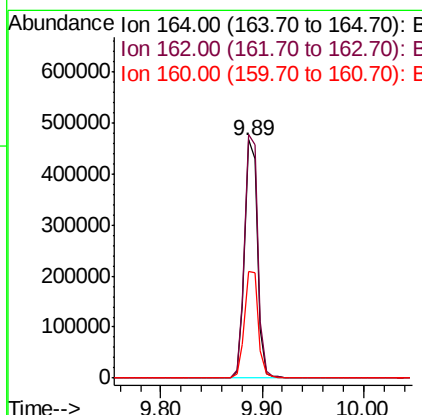
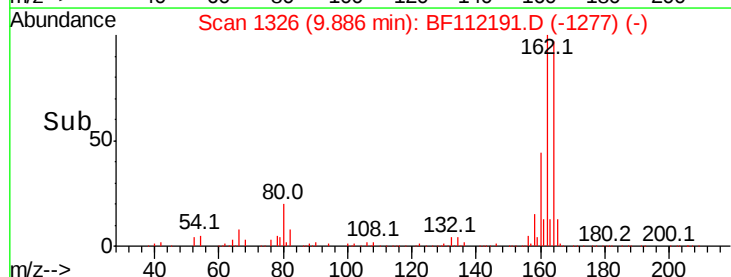
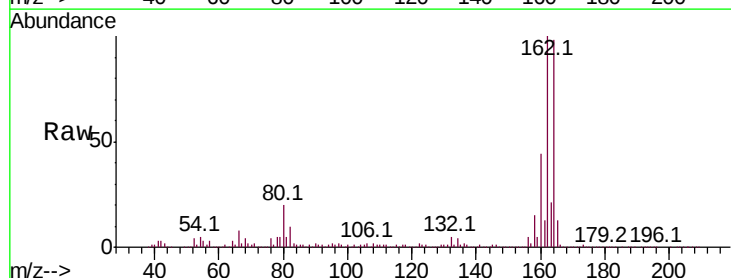
Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	45.0	36.2	54.4





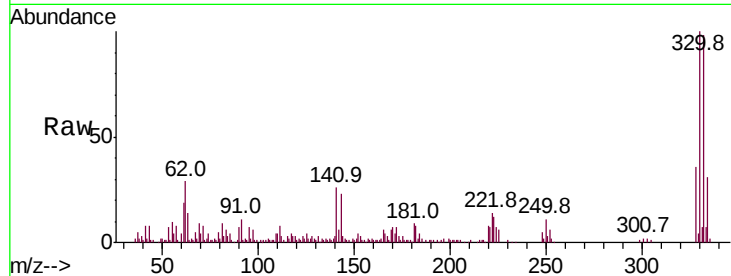
#42
 2,4,6-Tribromophenol
 Concen: 17.625 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112191.D
 Acq: 22 Jan 2019 14:14

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-C

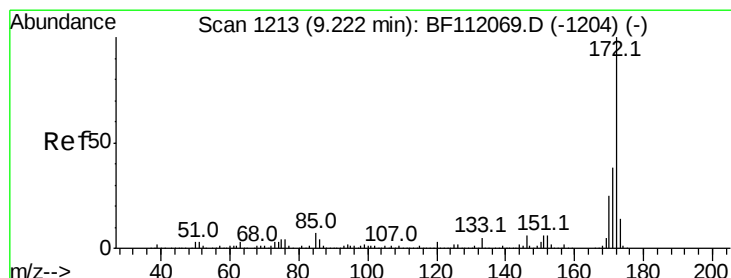
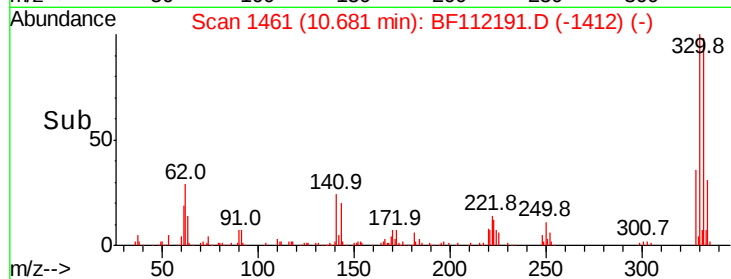
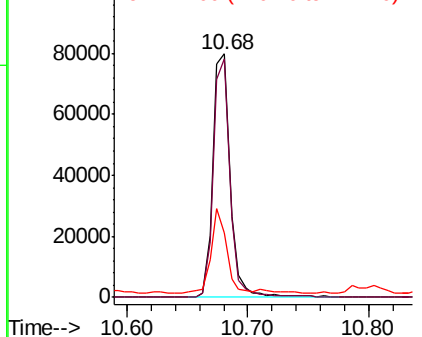
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	114.8
141	30.8	24.3	36.5

Manual Integrations
 APPROVED

Sohil
 1/23/2019 10:38:10 AM

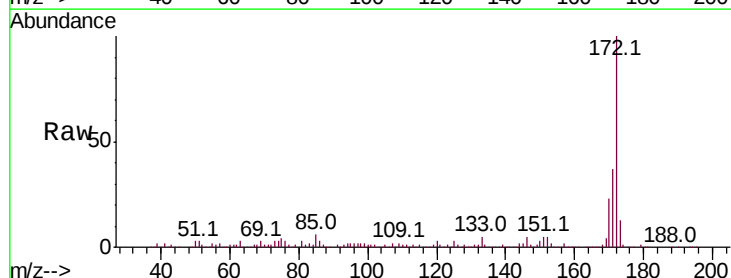


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

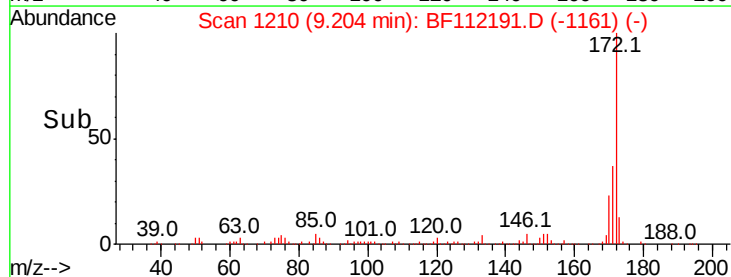
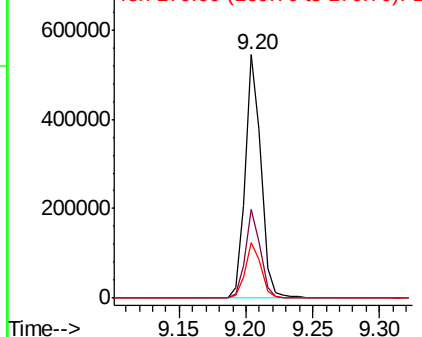


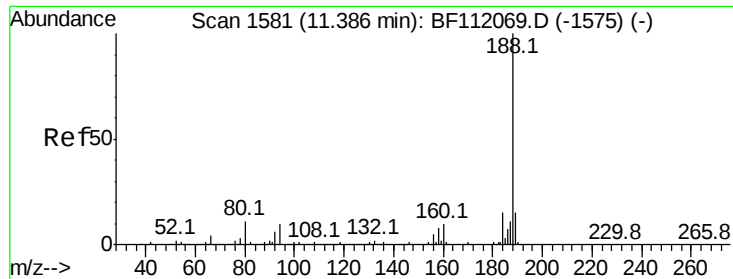
#45
 2-Fluorobiphenyl
 Concen: 15.707 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112191.D
 Acq: 22 Jan 2019 14:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.5	45.7
170	22.8	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





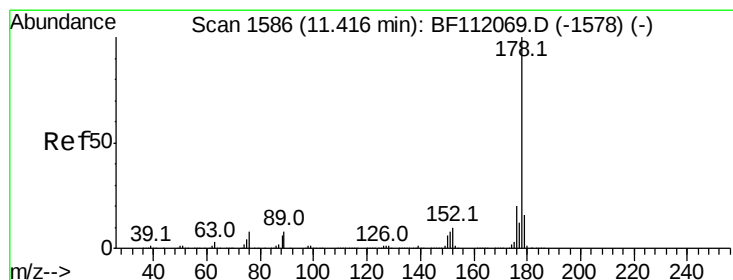
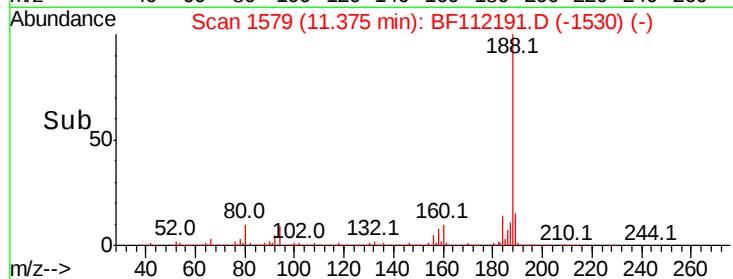
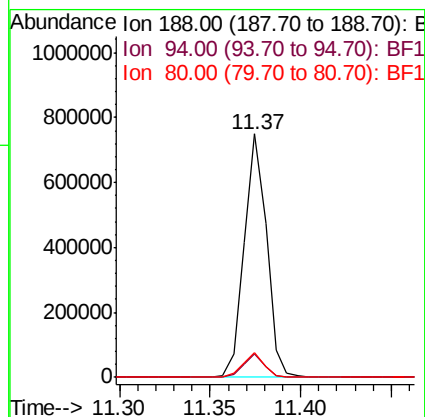
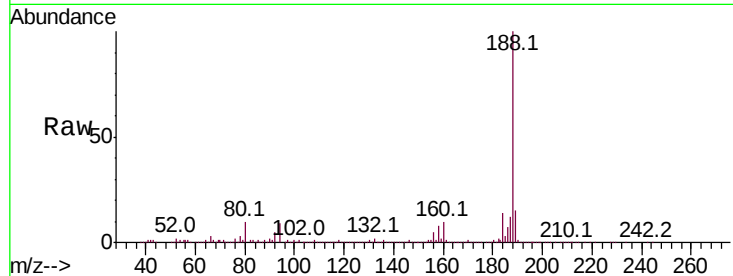
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Tot Ion:188	Resp: 646447
Ion Ratio	Lower Upper
188 100	
94 9.4	8.2 12.2
80 10.0	8.9 13.3

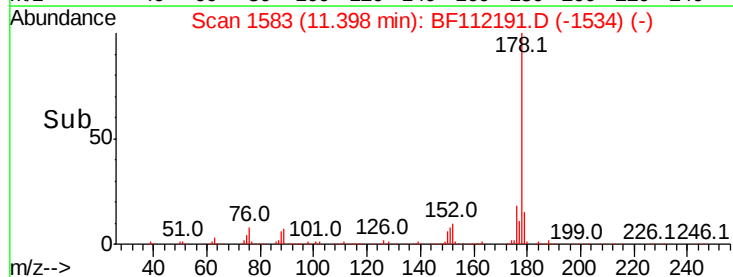
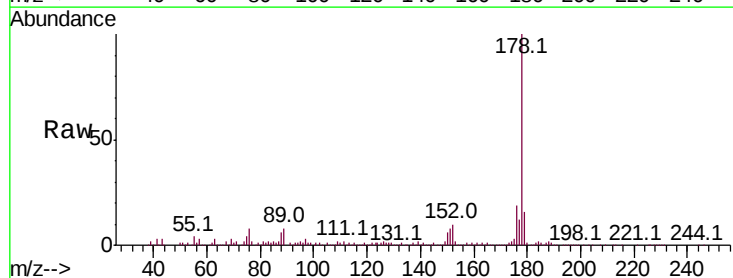
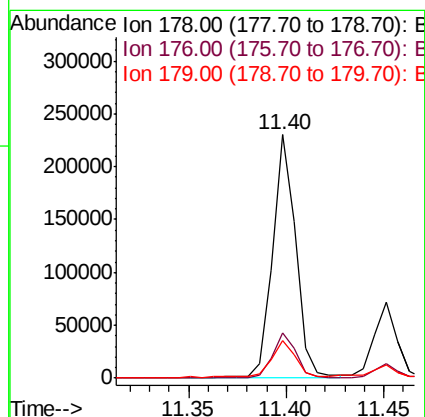
Manual Integrations
APPROVED

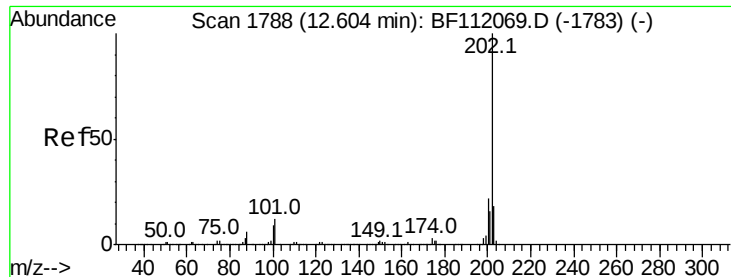
Sohil
1/23/2019 10:38:10 AM



#71
Phenanthrene
Concen: 5.767 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Tgt Ion:178	Resp: 187604
Ion Ratio	Lower Upper
178 100	
176 18.5	16.3 24.5
179 15.6	13.0 19.4





#75

Fluoranthene

Concen: 5.927 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112191.D

Acq: 22 Jan 2019 14:14

Instrument :

BNA_F

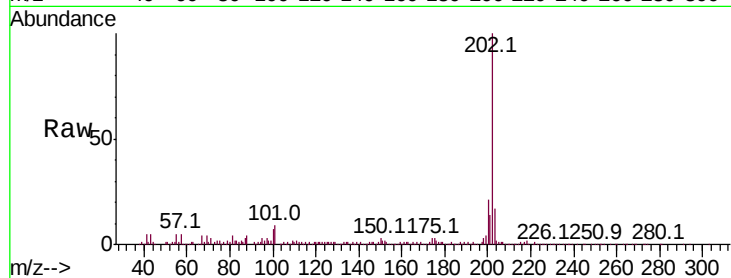
ClientSampleId :

PL-01-011819-C

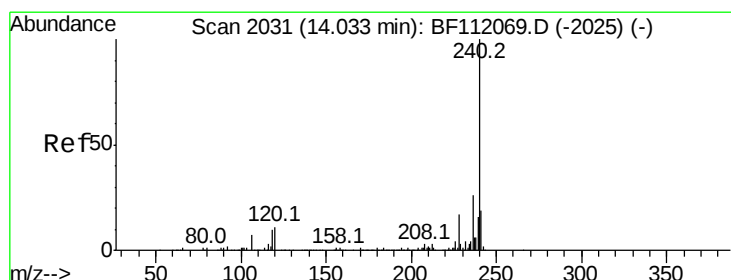
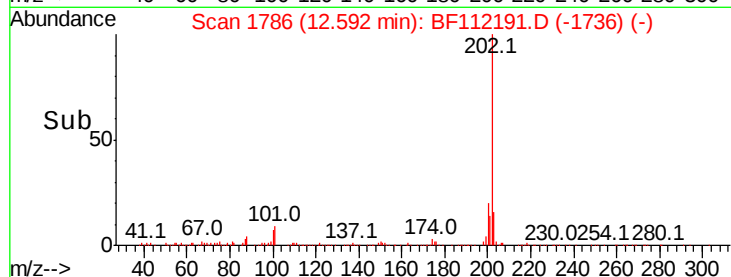
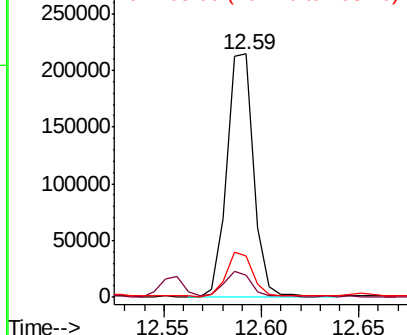
Tot Ion:	202	Resp:	203596
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	31.8
203	16.9	0.0	38.4

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 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

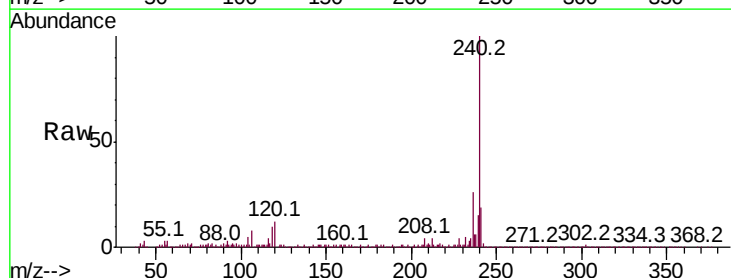
RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

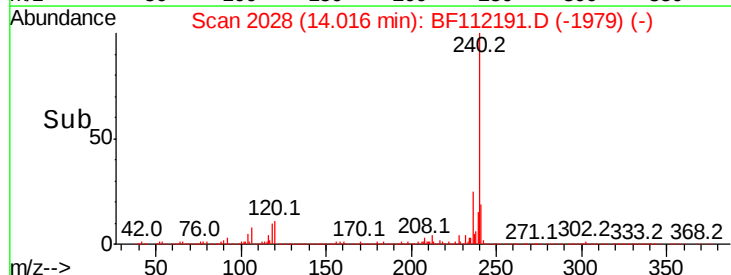
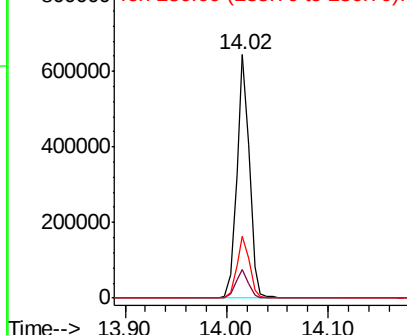
Lab File: BF112191.D

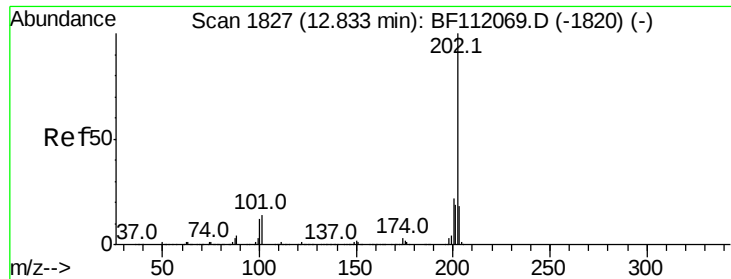
Acq: 22 Jan 2019 14:14

Tgt Ion:	240	Resp:	543981
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.0	13.6
236	25.6	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





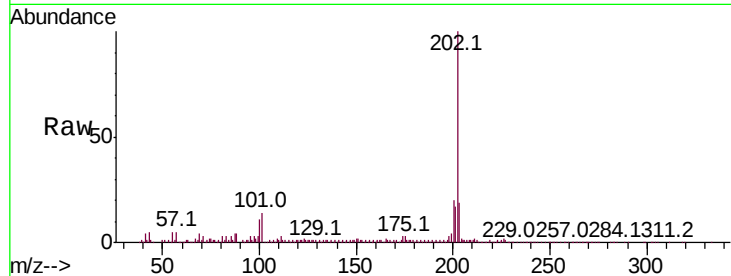
#78
Pvrene
Concen: 4.841 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.7	26.5
203	18.8	14.6	22.0

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 AM

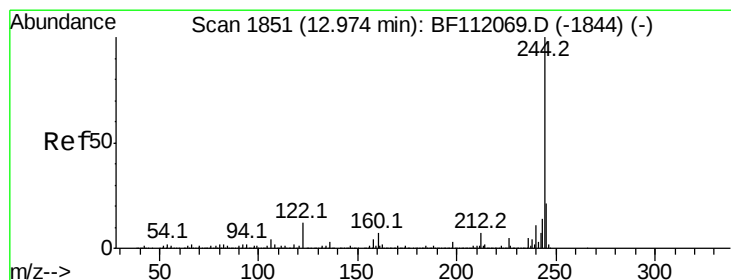
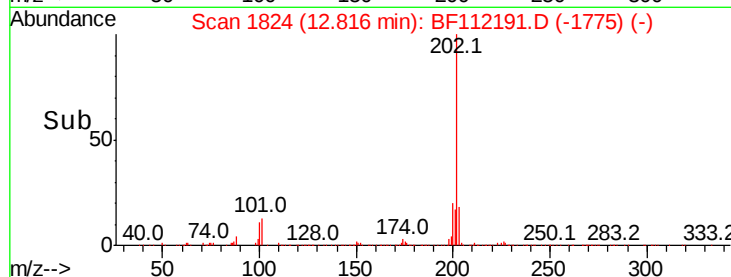
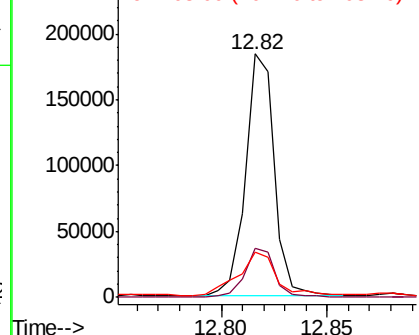


Abundance

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: 13.301 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

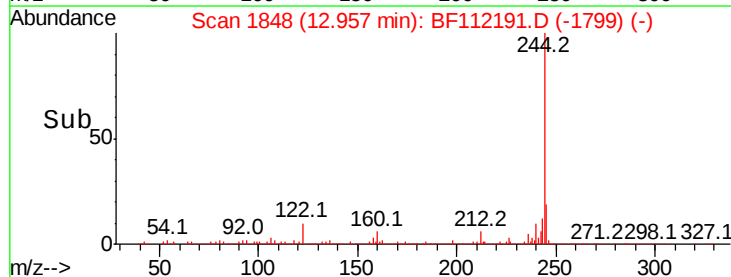
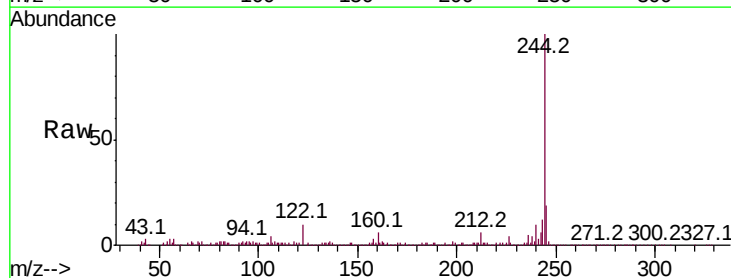
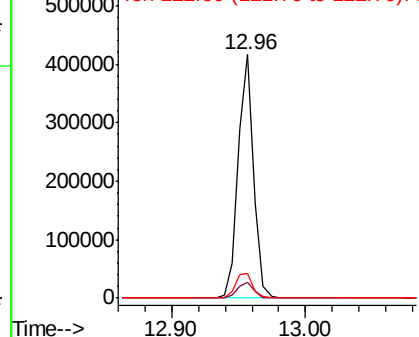
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.9	8.9
122	10.2	9.8	14.6

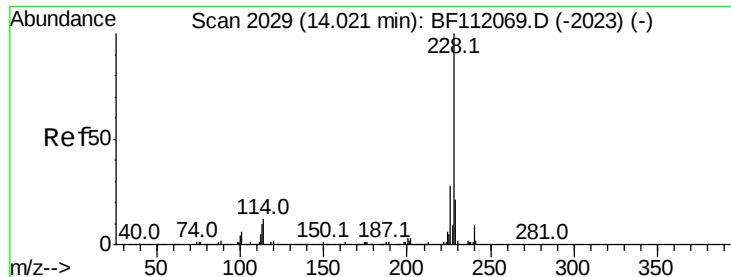
Abundance

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: 2.561 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112191.D

Acq: 22 Jan 2019 14:14

Instrument :

BNA_F

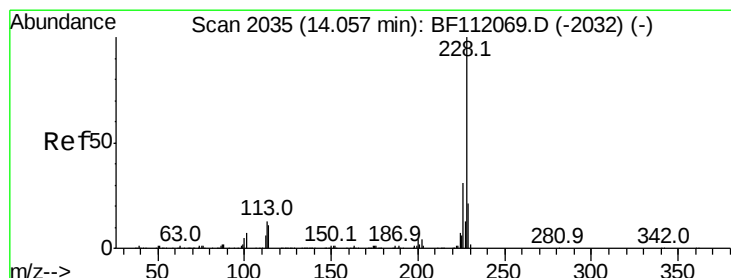
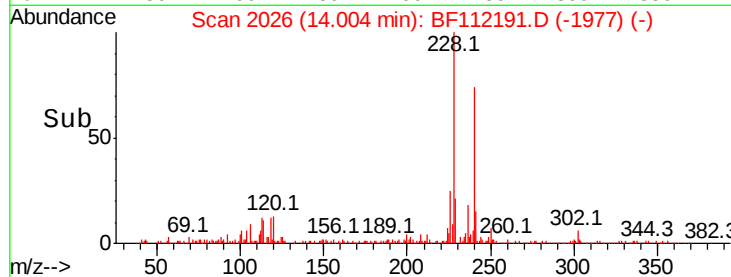
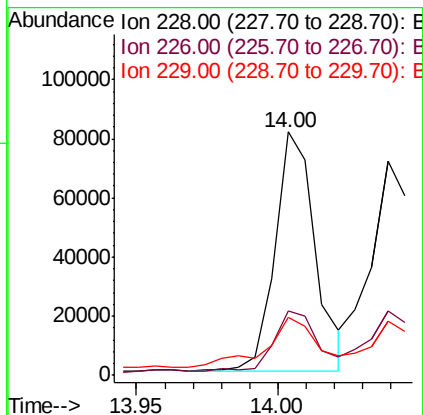
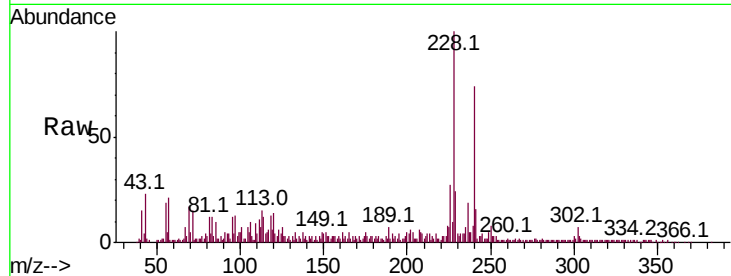
ClientSampleId :

PL-01-011819-C

Tot Ion:228	Resp:	79874
Ion Ratio	Lower	Upper
228 100		
226 26.6	22.6	34.0
229 23.8	16.5	24.7

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 AM



#83

Chrysene

Concen: 2.503 ng m

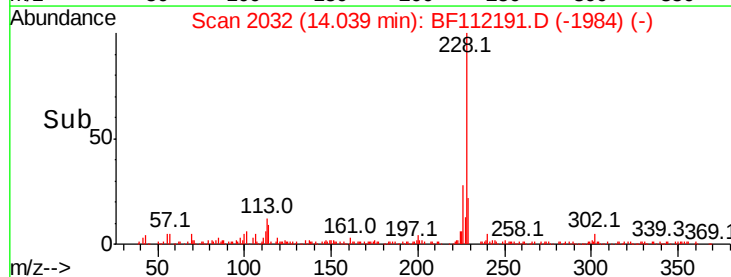
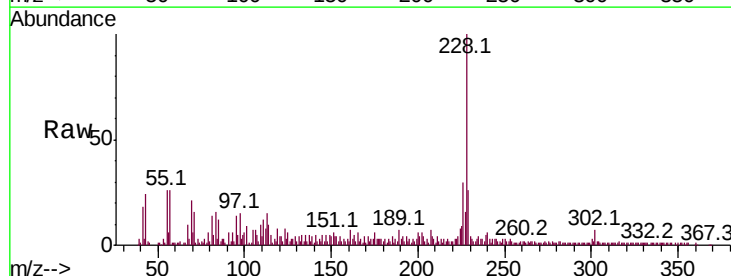
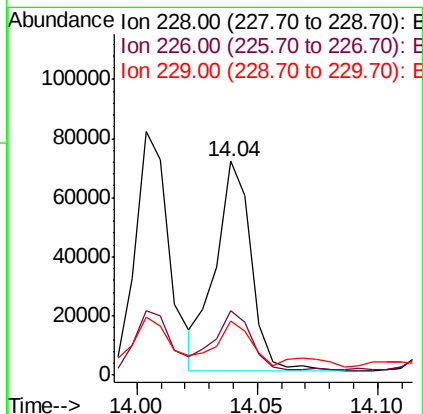
RT: 14.04 min Scan# 2032

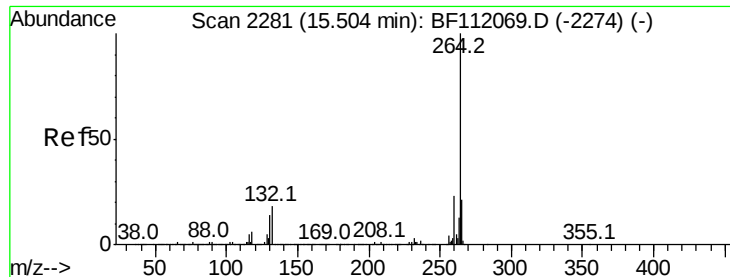
Delta R.T. -0.02 min

Lab File: BF112191.D

Acq: 22 Jan 2019 14:14

Tgt Ion:228	Resp:	73866
Ion Ratio	Lower	Upper
228 100		
226 30.4	25.0	37.6
229 25.5	16.6	24.8#





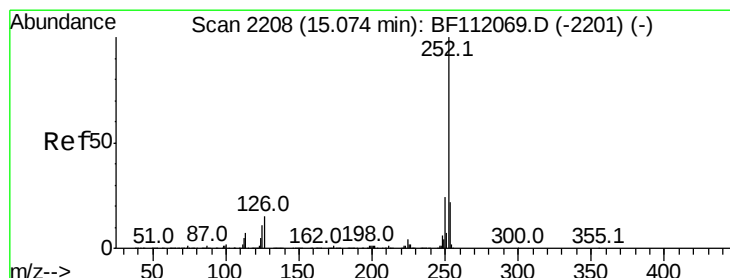
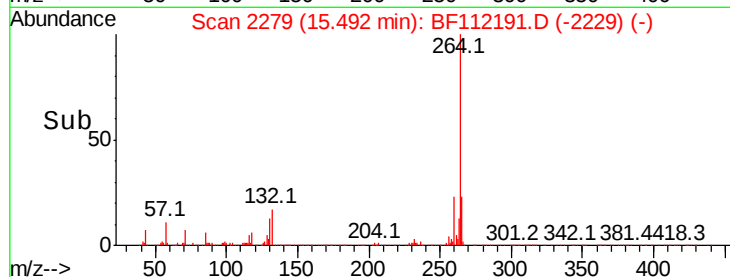
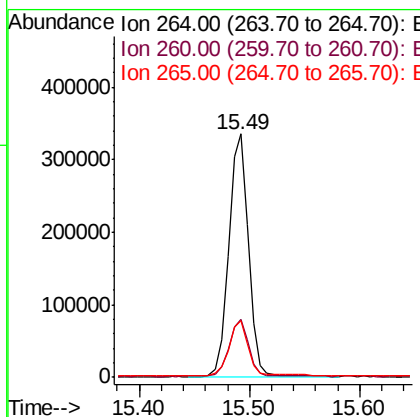
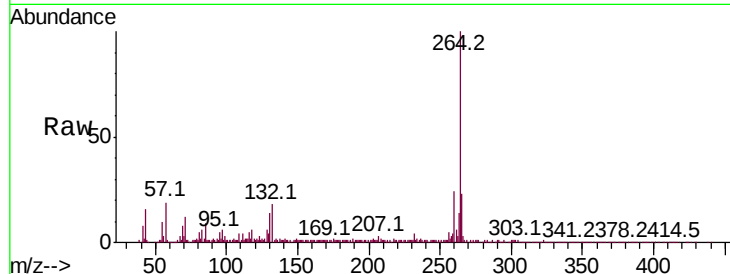
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	23.1	17.0	25.4

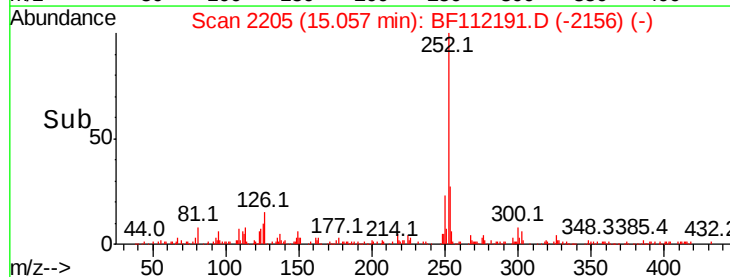
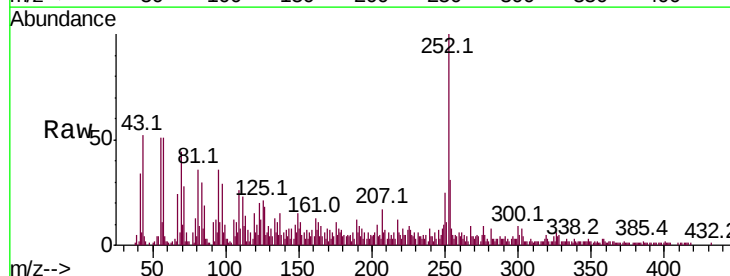
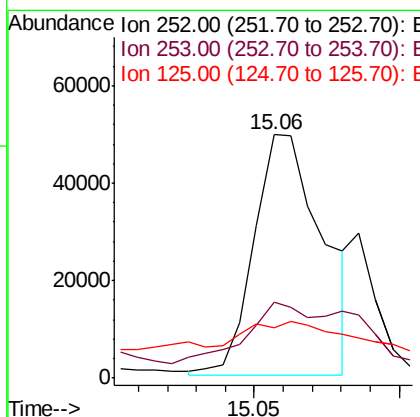
Manual Integrations
APPROVED

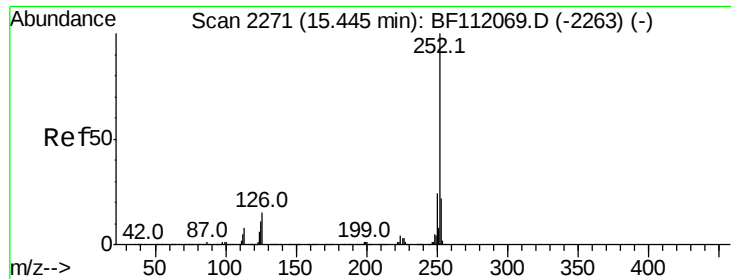
Sohil
1/23/2019 10:38:10 AM



#88
Benzo(b)fluoranthene
Concen: 3.435 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.0	27.0#
125	20.8	8.7	13.1#





#90
Benzo(a)pyrene
Concen: 2.279 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF112191.D
Acq: 22 Jan 2019 14:14

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.5	26.3#
125	22.6	9.0	13.4#

Manual Integrations
APPROVED

Sohil
1/23/2019 10:38:10 AM

