

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112147.D
 Acq On : 19 Jan 2019 1:34
 Operator : JU/SJ
 Sample : K1011-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Manual Integrations
 APPROVED

Sohil
 1/21/2019 12:01:02 PM

Quant Time: Jan 19 03:55:00 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	6.86	152	258719	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	947403	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	394411	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	617917	20.00	ng	0.00
76) Chrysene-d12	14.02	240	580922	20.00	ng	0.00
87) Perylene-d12	15.49	264	486100	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	345126	24.21	ng	-0.01
7) Phenol-d6	6.49	99	436431	24.47	ng	-0.01
23) Nitrobenzene-d5	7.41	82	242336	17.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	71639	16.84	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	534430	19.87	ng	0.00
79) Terphenyl-d14	12.96	244	432528	15.84	ng	-0.01
Target Compounds						
71) Phenanthrene	11.40	178	119877	3.855	ng	98
75) Fluoranthene	12.59	202	187184	5.701	ng	97
78) Pyrene	12.82	202	171619	4.478	ng	97
81) Benzo(a)anthracene	14.01	228	96357	2.893	ng	98
83) Chrysene	14.04	228	72800	2.310	ng	96
88) Benzo(b)fluoranthene	15.06	252	98393m	3.566	ng	
90) Benzo(a)pyrene	15.43	252	67698	2.675	ng	# 91

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

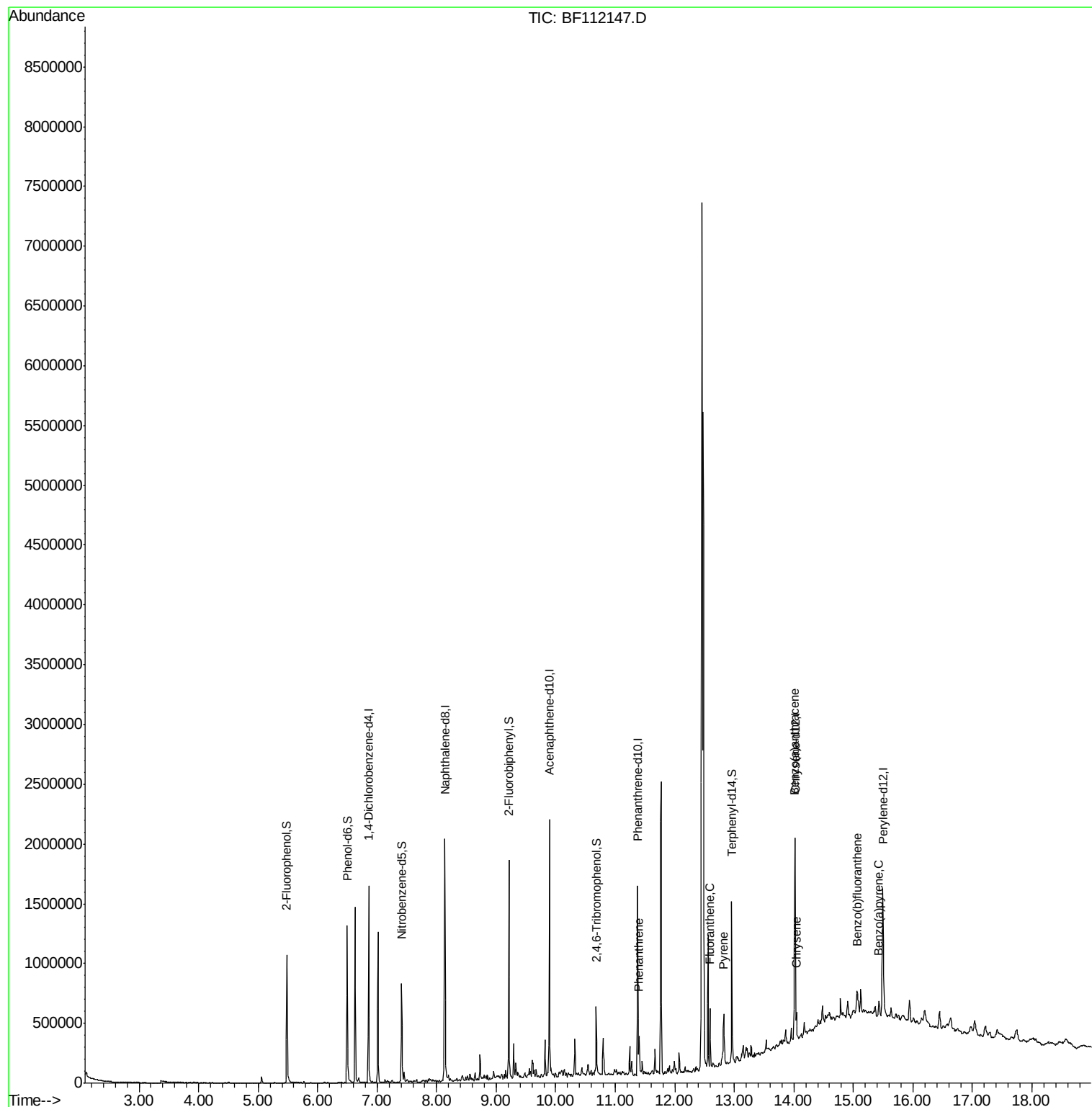
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
Data File : BF112147.D
Acq On : 19 Jan 2019 1:34
Operator : JU/SJ
Sample : K1011-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

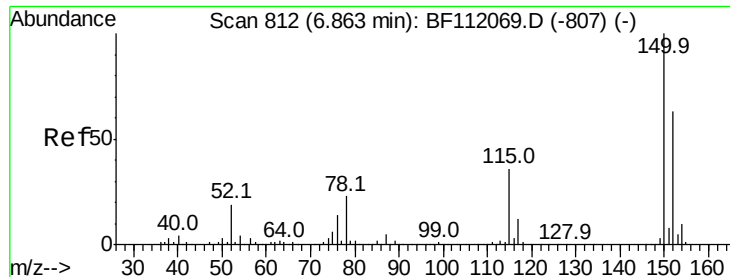
Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Manual Integrations
APPROVED

Sohil
1/21/2019 12:01:02 PM

Quant Time: Jan 19 03:55:00 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

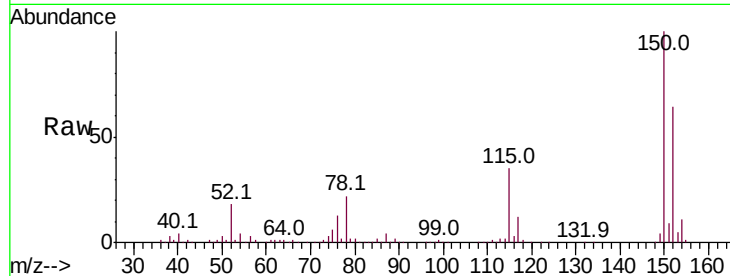
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.4	191.0
115	54.9	45.5	68.3

Manual Integrations
APPROVED

Sohil
1/21/2019 12:01:02 PM



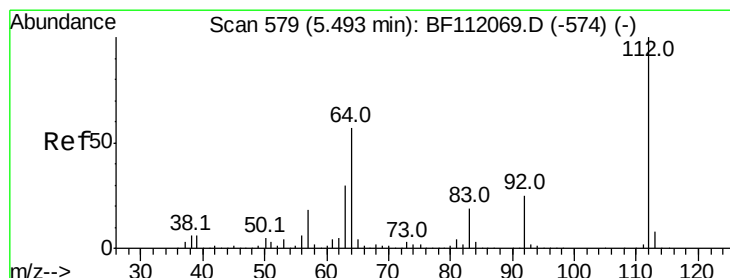
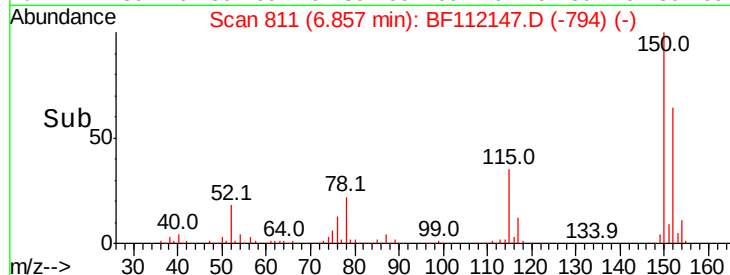
Abundance

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

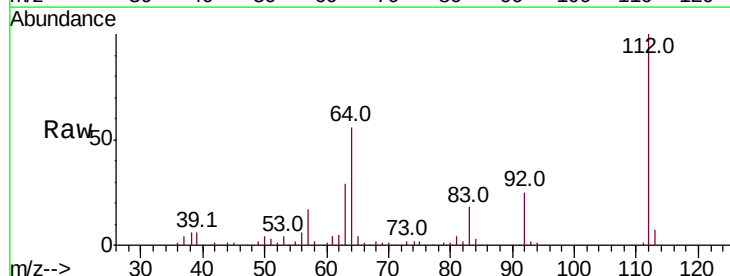
Time-->



#5

2-Fluorophenol
Concen: 24.212 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	29.4	23.6	35.4



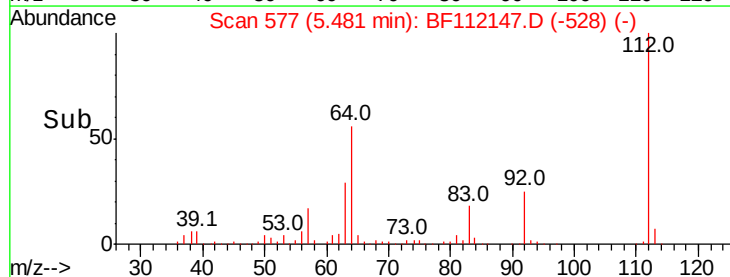
Abundance

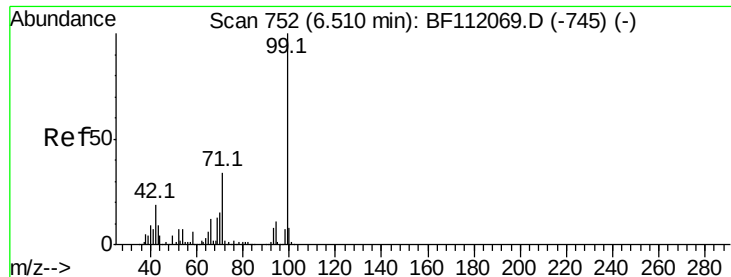
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 24.472 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

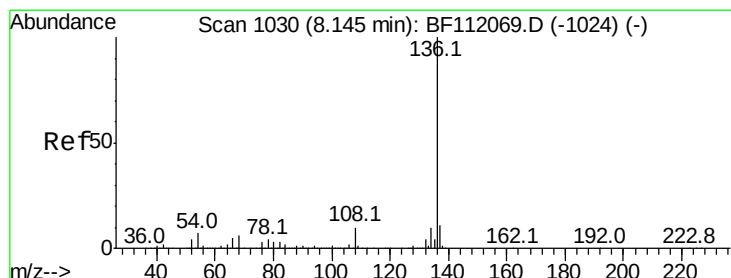
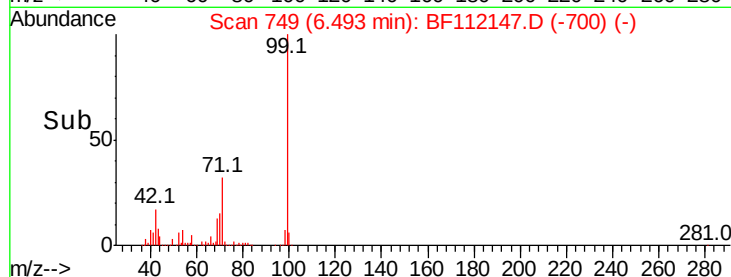
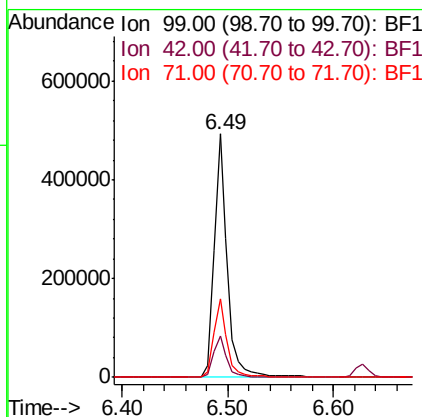
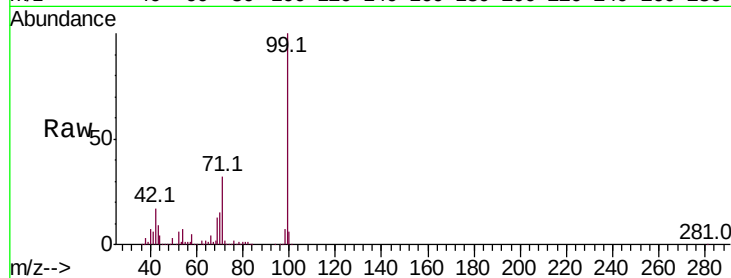
ClientSampleId :

OR-03-011719-B

Tot Ion:	99	Resp:	436431
Ion Ratio	Lower	Upper	
99	100		
42	17.2	15.1	22.7
71	32.4	26.9	40.3

Manual Integrations
APPROVED

Sohil
1/21/2019 12:01:02 PM



#21

Naphthalene-d8

Concen: 20.000 ng

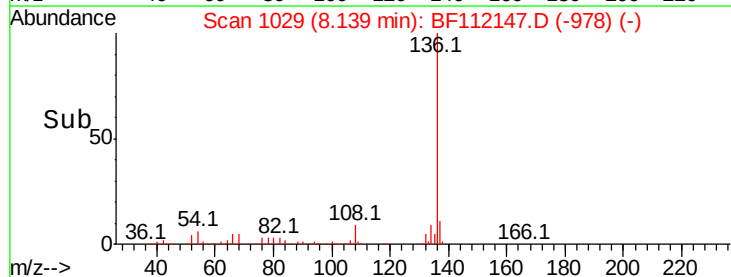
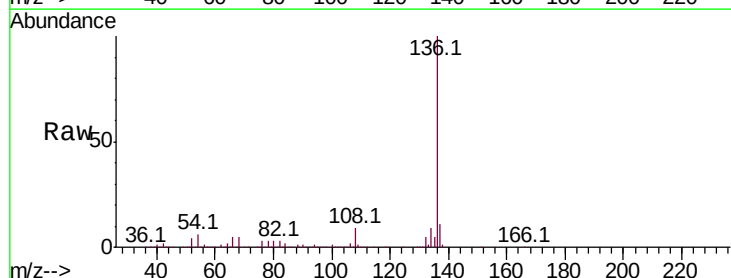
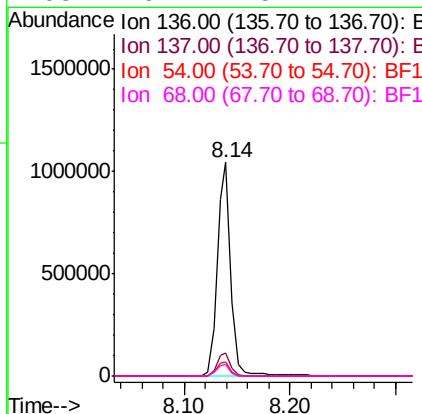
RT: 8.14 min Scan# 1029

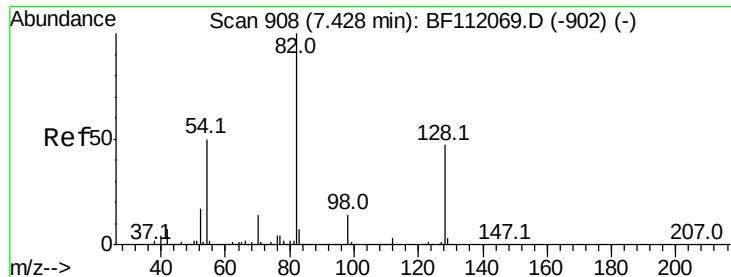
Delta R.T. 0.00 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Tgt Ion:	136	Resp:	947403
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	6.4	5.9	8.9
68	5.2	5.1	7.7





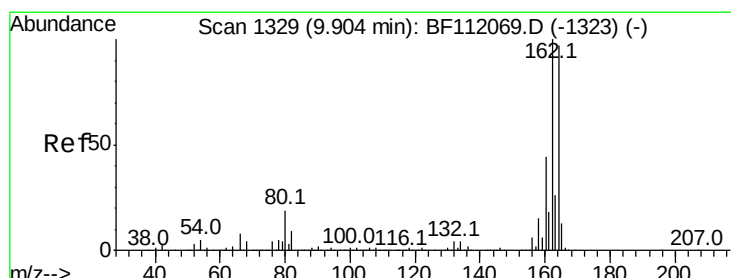
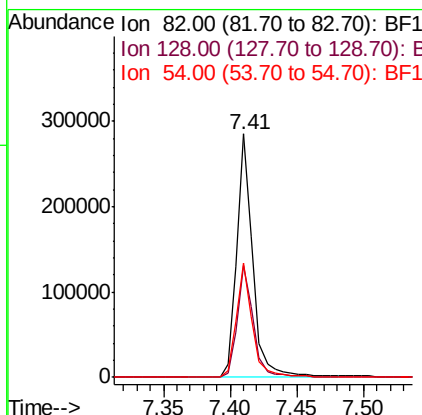
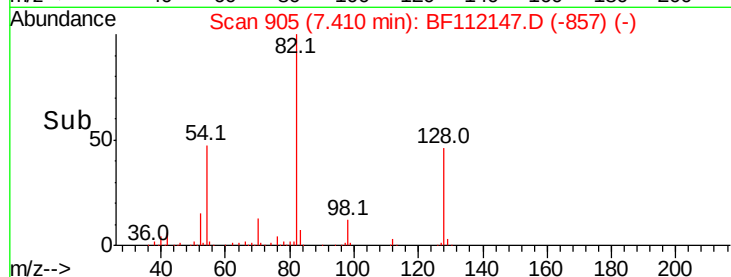
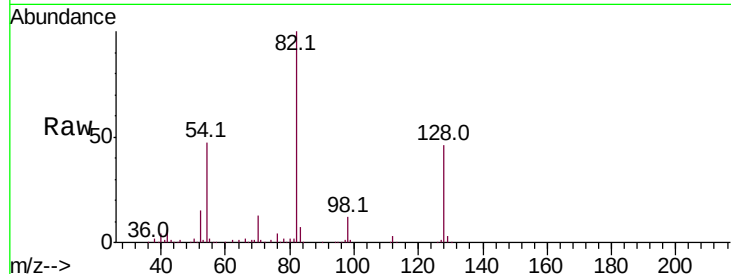
#23
Nitrobenzene-d5
Concen: 17.672 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.8	56.8
54	46.8	39.7	59.5

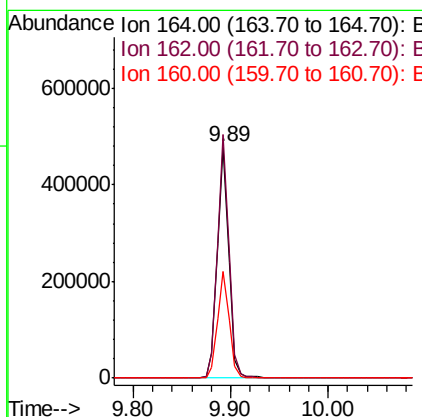
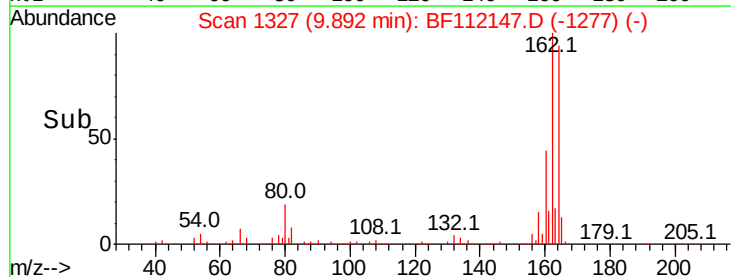
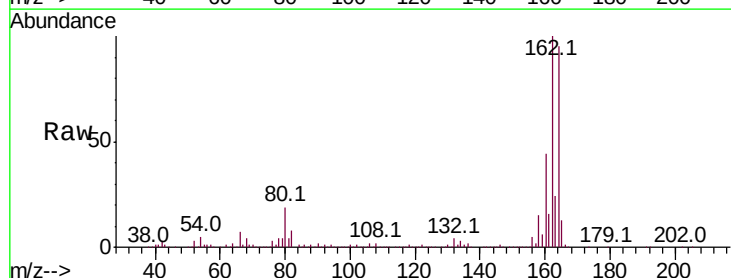
Manual Integrations
APPROVED

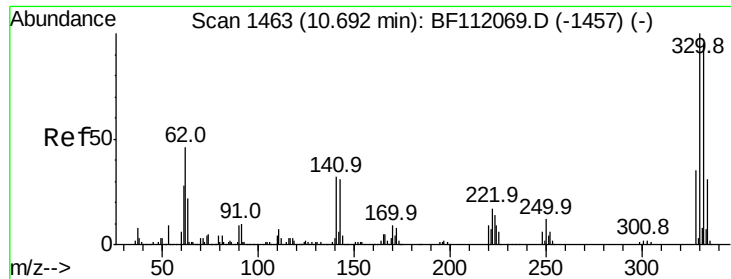
Sohil
1/21/2019 12:01:02 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.2	123.4
160	46.1	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 16.837 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

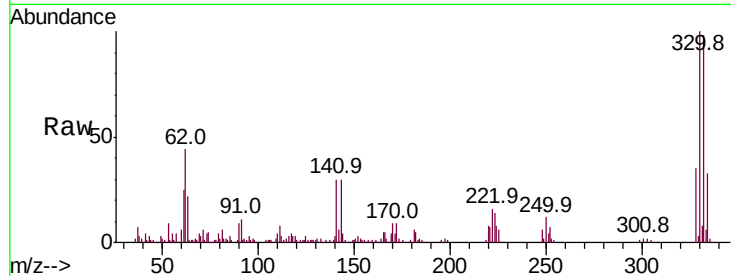
ClientSampled :

OR-03-011719-B

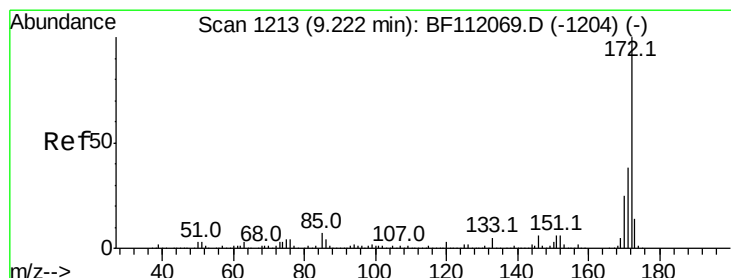
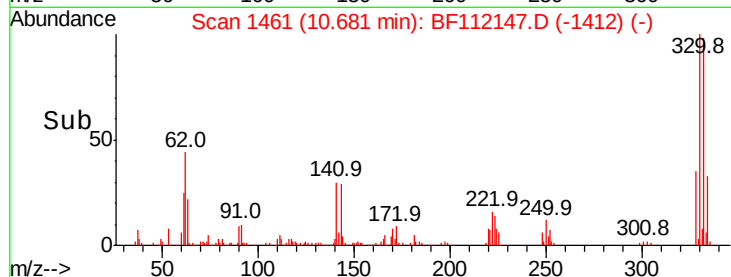
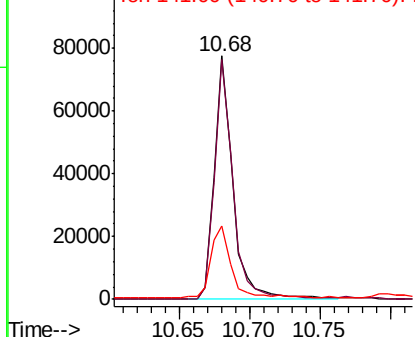
Tot Ion:	330	Resp:	71639
Ion Ratio	Lower	Upper	
330	100		
332	97.8	76.6	114.8
141	32.2	24.3	36.5

Manual Integrations
APPROVED

Sohil
1/21/2019 12:01:02 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: 19.866 ng

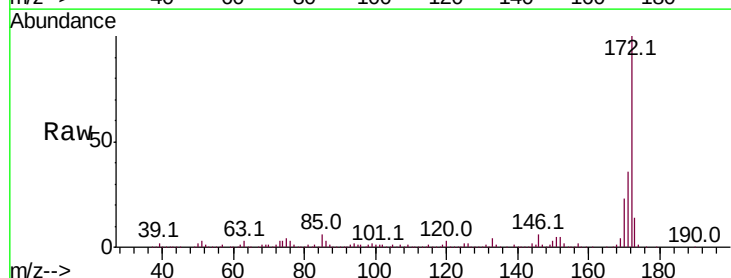
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

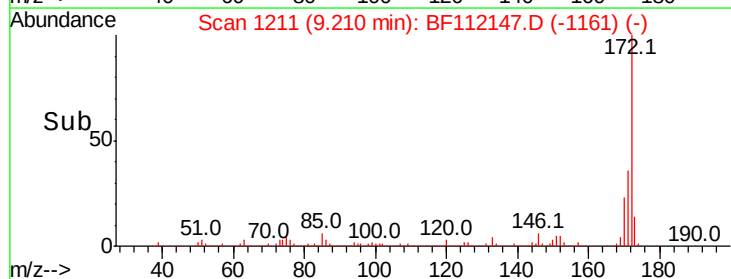
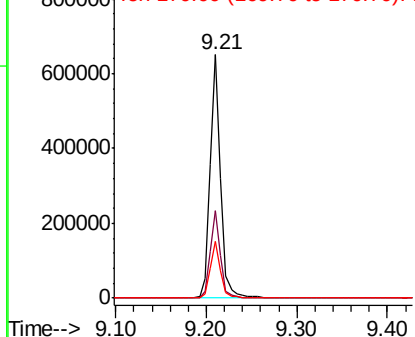
Lab File: BF112147.D

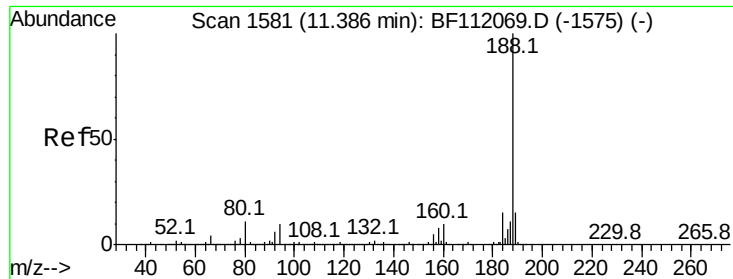
Acq: 19 Jan 2019 1:34

Tgt Ion:	172	Resp:	534430
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.5	45.7
170	23.1	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





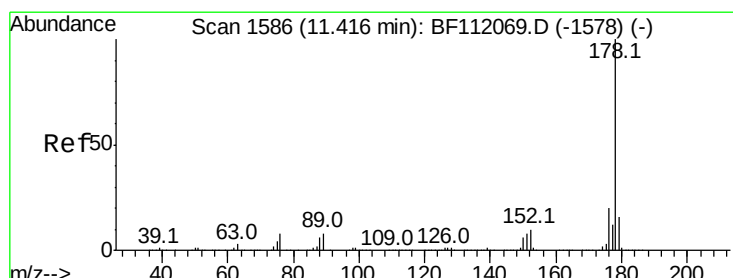
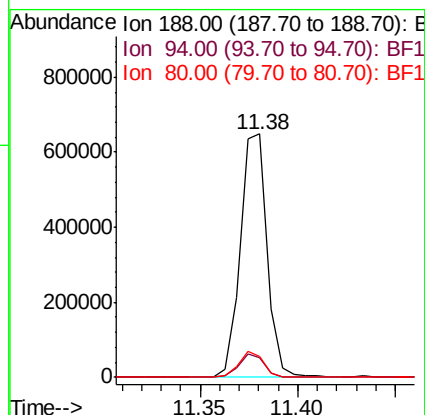
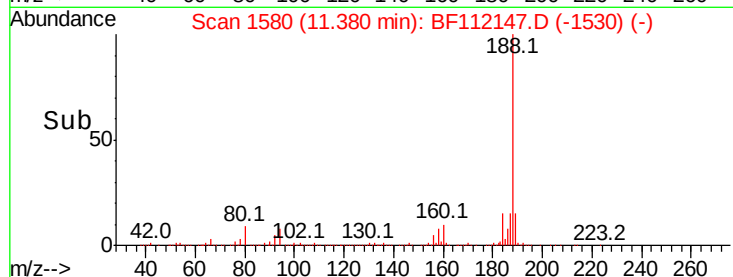
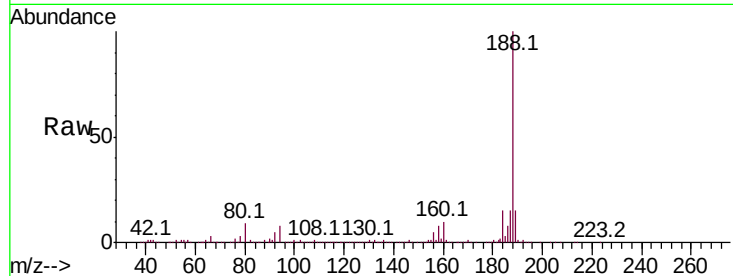
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	8.7	8.9	13.3#

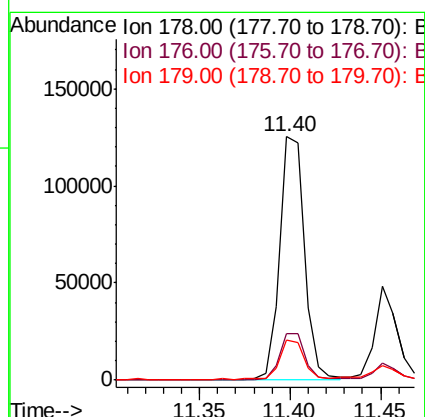
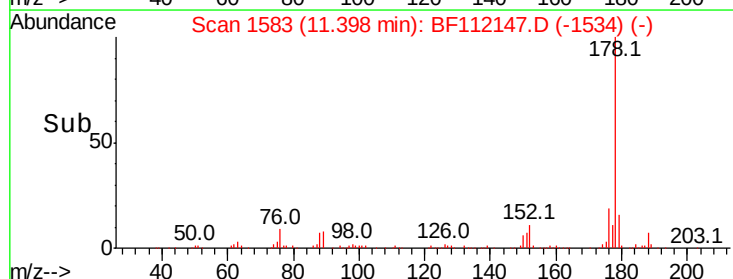
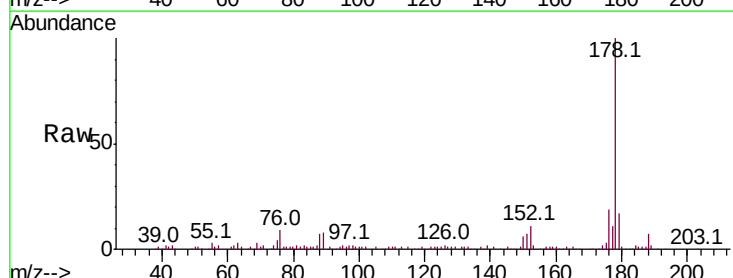
Manual Integrations
APPROVED

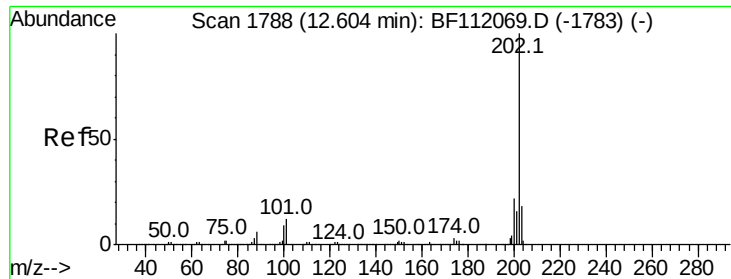
Sohil
1/21/2019 12:01:02 PM



#71
Phenanthrene
Concen: 3.855 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	16.3	24.5
179	16.5	13.0	19.4





#75

Fluoranthene

Concen: 5.701 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

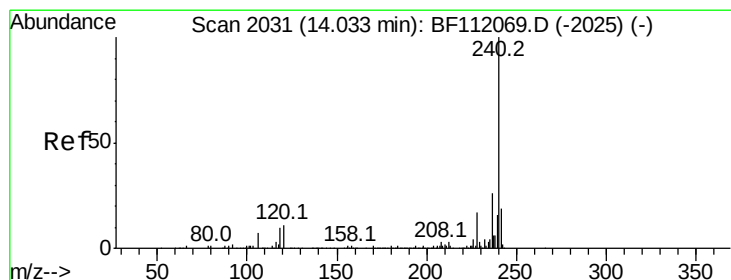
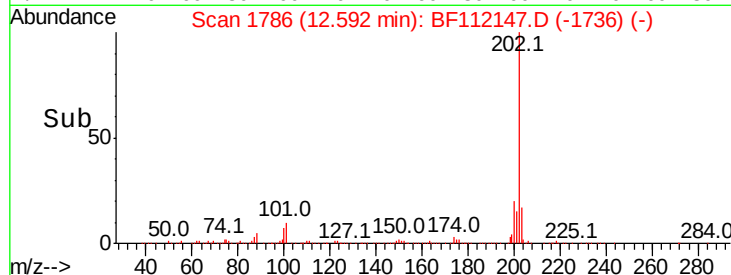
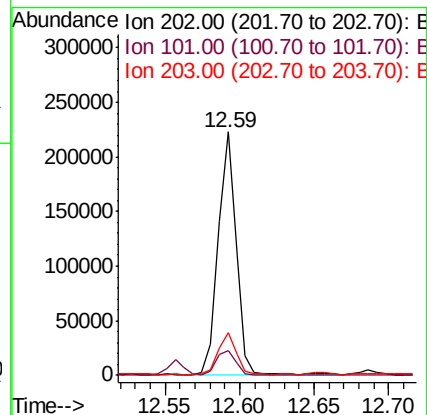
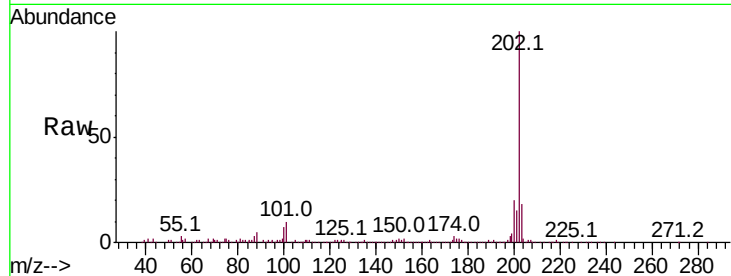
ClientSampleId :

OR-03-011719-B

Tot Ion:	202	Resp:	187184
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	31.8
203	17.7	0.0	38.4

Manual Integrations
APPROVED

Sohil
1/21/2019 12:01:02 PM



#76

Chrysene-d12

Concen: 20.000 ng

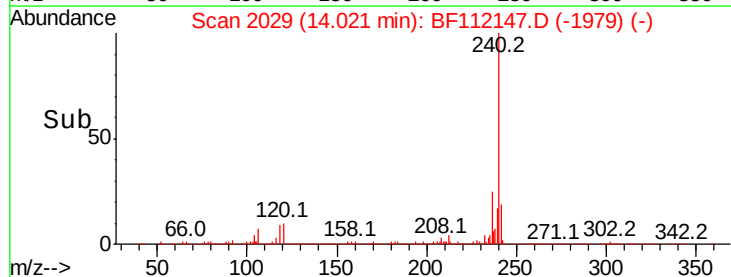
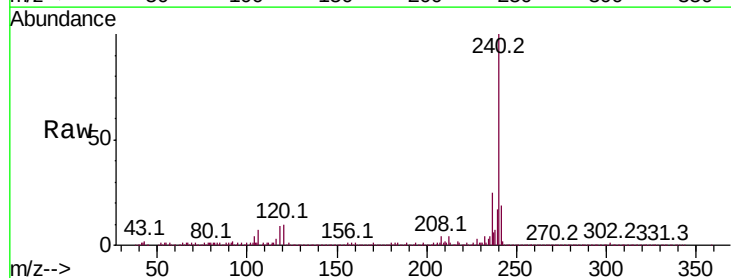
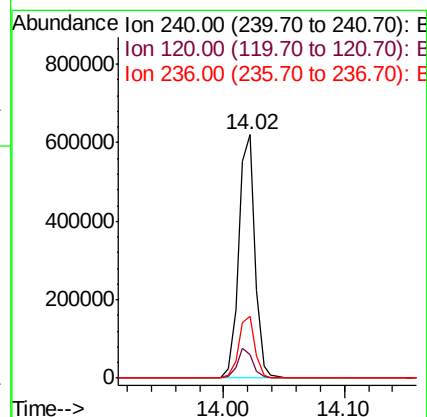
RT: 14.02 min Scan# 2029

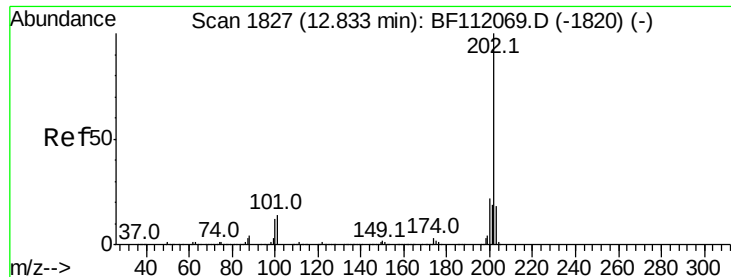
Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Tgt Ion:	240	Resp:	580922
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.0	13.6
236	25.4	20.7	31.1





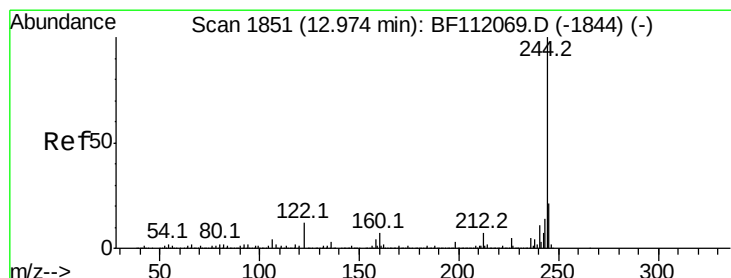
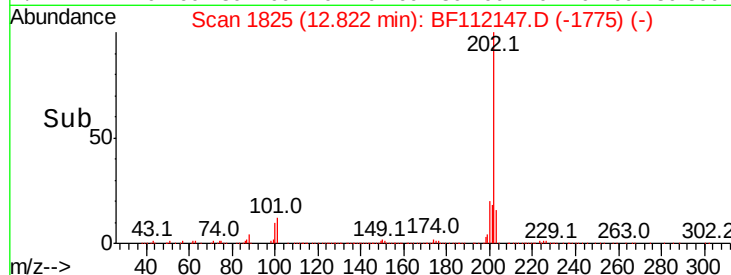
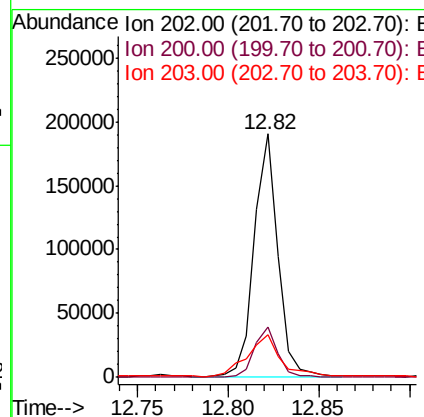
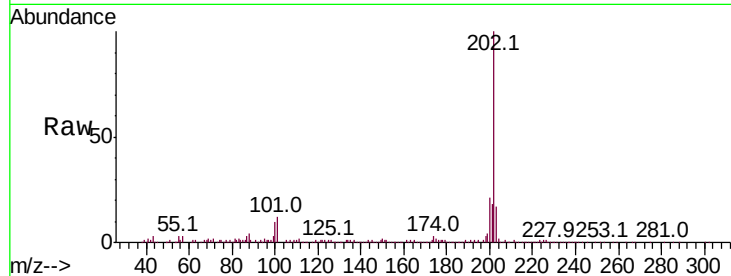
#78
Pvrene
Concen: 4.478 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.7	26.5
203	17.3	14.6	22.0

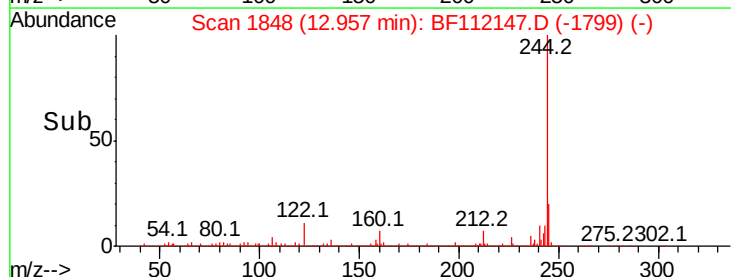
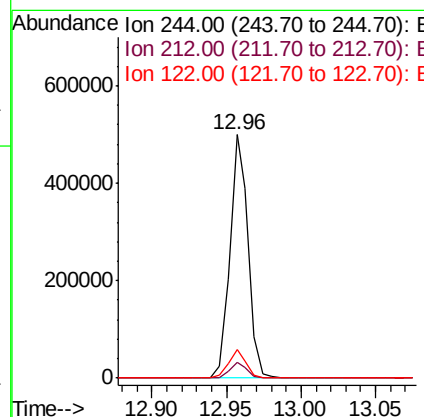
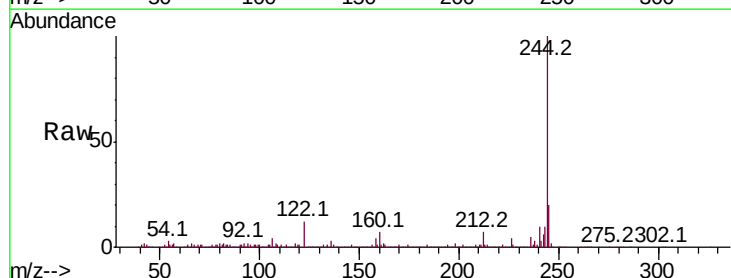
Manual Integrations
APPROVED

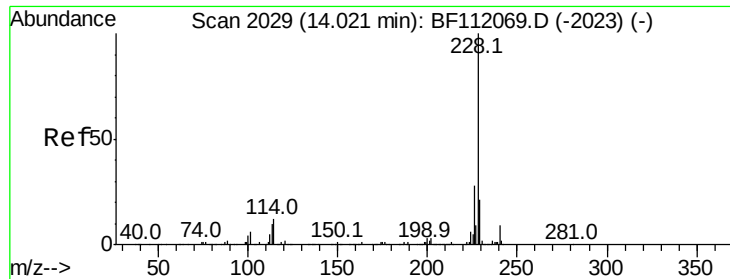
Sohil
1/21/2019 12:01:02 PM



#79
Terphenyl-d14
Concen: 15.839 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	11.5	9.8	14.6





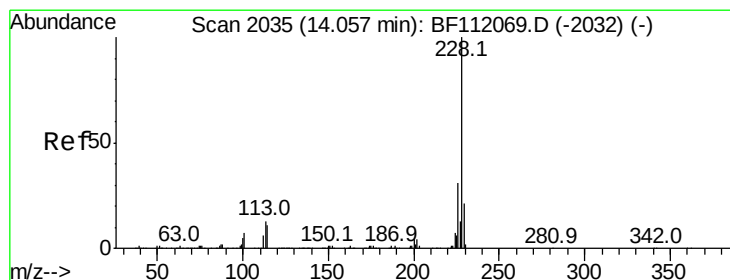
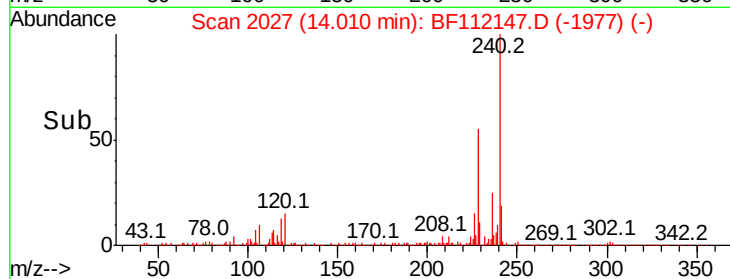
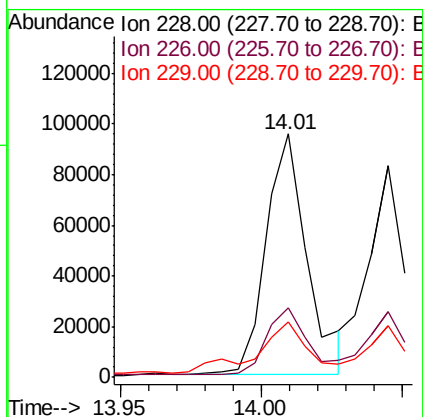
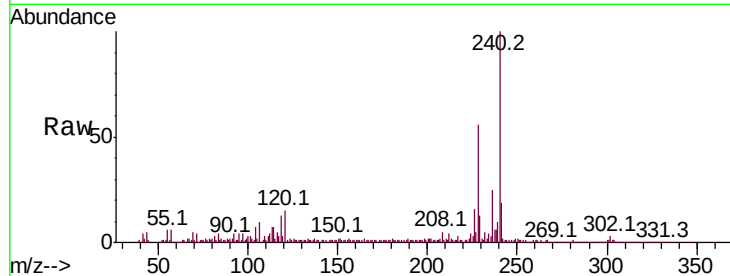
#81
Benzo(a)anthracene
Concen: 2.893 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	22.5	16.5	24.7

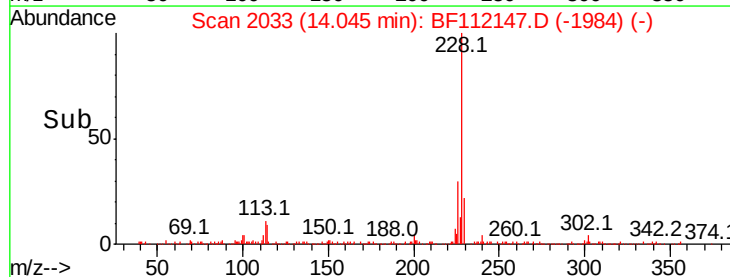
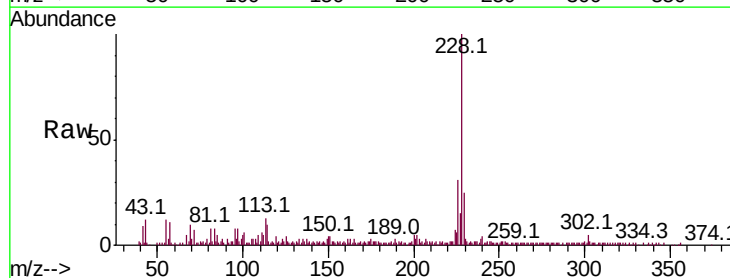
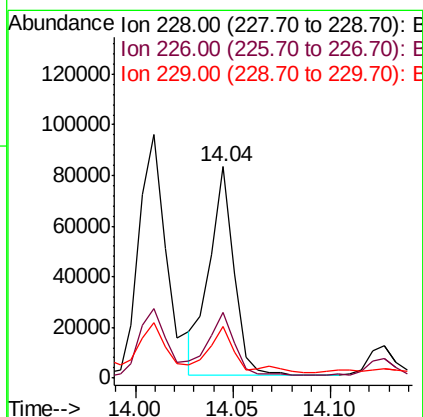
Manual Integrations
APPROVED

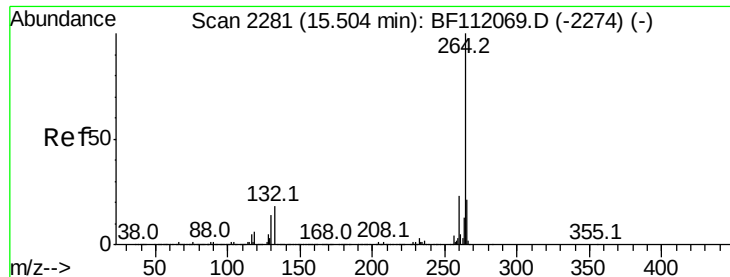
Sohil
1/21/2019 12:01:02 PM



#83
Chrysene
Concen: 2.310 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	24.7	16.6	24.8





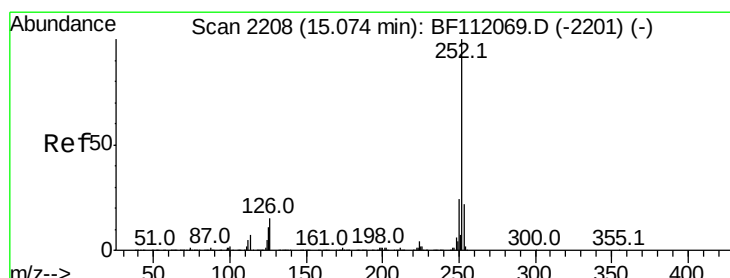
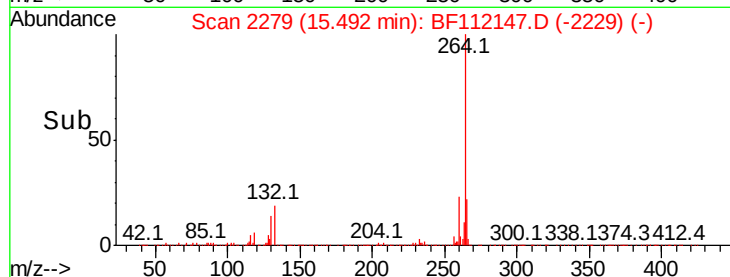
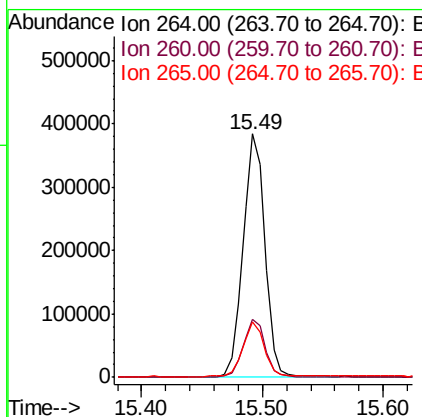
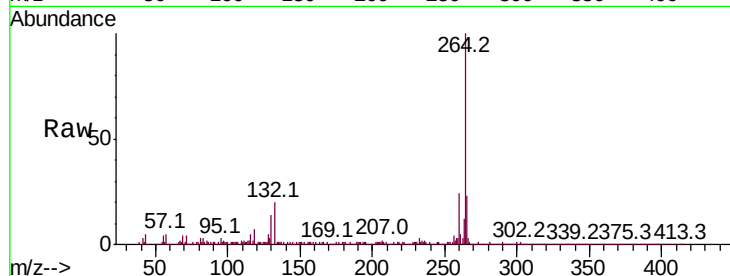
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampled :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	22.7	17.0	25.4

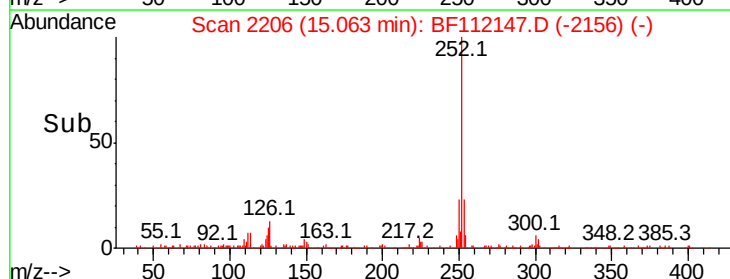
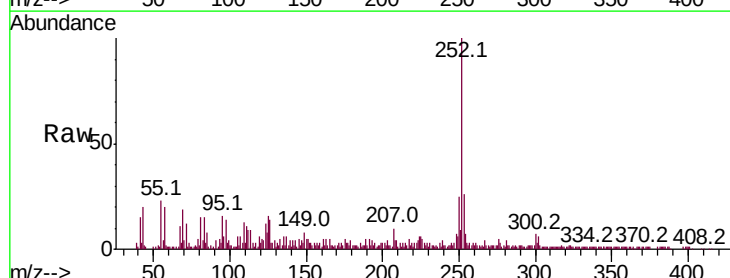
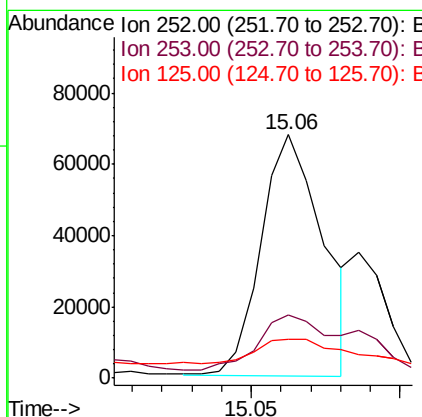
Manual Integrations
APPROVED

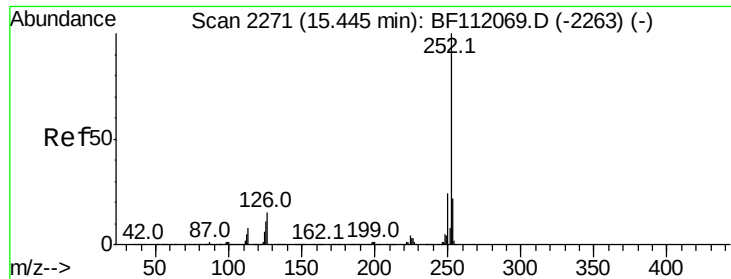
Sohil
1/21/2019 12:01:02 PM



#88
Benzo(b)fluoranthene
Concen: 3.566 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	16.0	8.7	13.1#





#90
 Benzo(a)pyrene
 Concen: 2.675 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	18.0	9.0	13.4

Manual Integrations
 APPROVED

Sohil
 1/21/2019 12:01:02 PM

