

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099347.D
 Acq On : 11 Oct 2017 15:40
 Operator : SJ/JU
 Sample : I5748-07 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100617-C

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:07:11 PM

Quant Time: Oct 11 17:01:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	117417	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	483064	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	209710	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	329671	20.00	ng	0.00
75) Chrysene-d12	14.01	240	208485	20.00	ng	0.00
86) Perylene-d12	15.48	264	228203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	101751	13.80	ng	0.00
7) Phenol-d6	6.47	99	124461	13.68	ng	-0.01
23) Nitrobenzene-d5	7.41	82	67558	8.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	15071	8.78	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	148769	11.84	ng	0.00
78) Terphenyl-d14	12.95	244	90682	9.89	ng	0.00
Target Compounds						
74) Fluoranthene	12.59	202	69391	3.883	ng	95
77) Pyrene	12.82	202	58521	3.681	ng	98
80) Benzo(a)anthracene	14.00	228	28051	2.222	ng	98
82) Chrysene	14.03	228	25537	2.125	ng	95
87) Benzo(b)fluoranthene	15.04	252	38603m	2.751	ng	
89) Benzo(a)pyrene	15.42	252	28115	2.183	ng	# 86

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

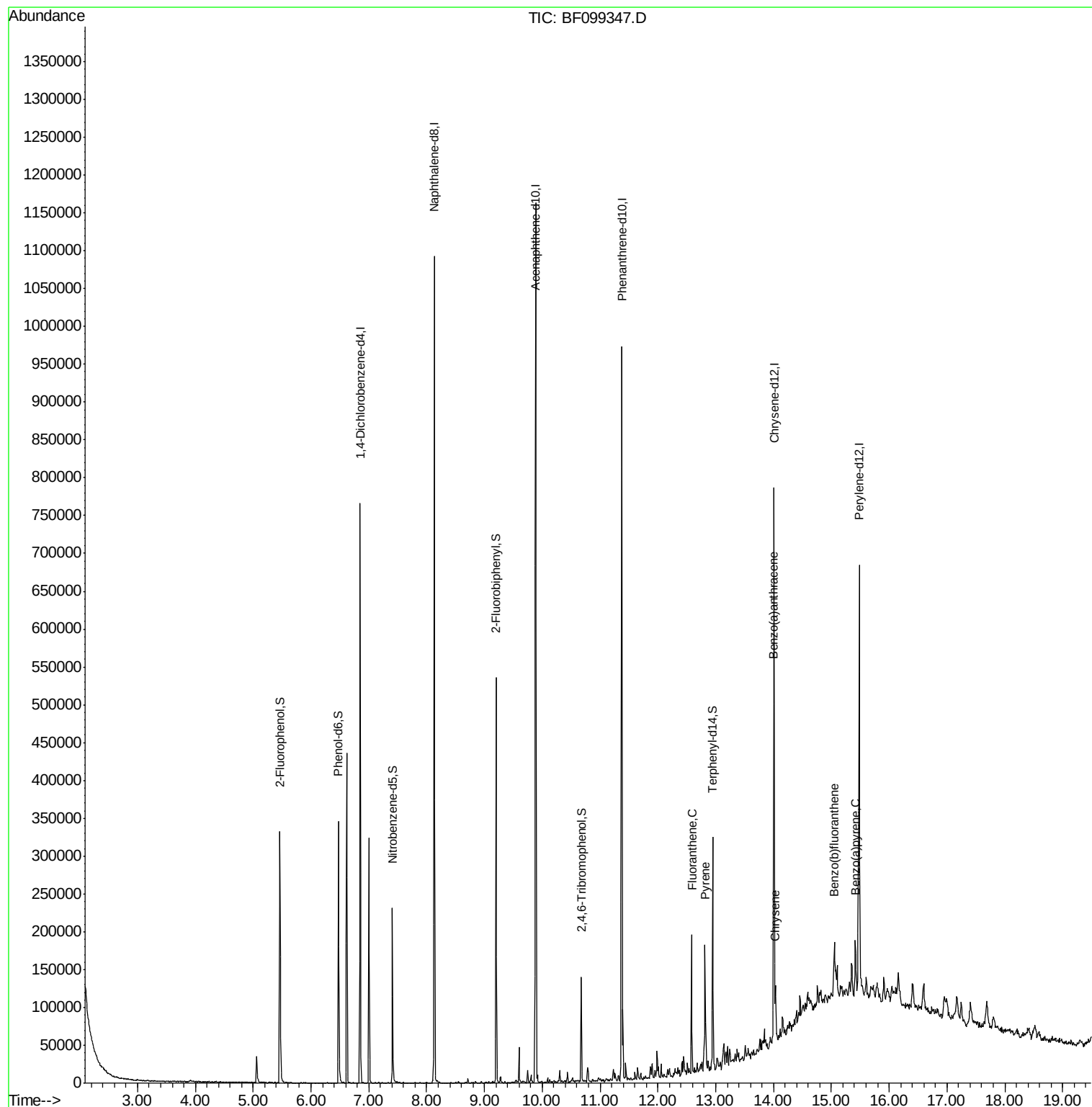
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099347.D
Acq On : 11 Oct 2017 15:40
Operator : SJ/JU
Sample : I5748-07 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

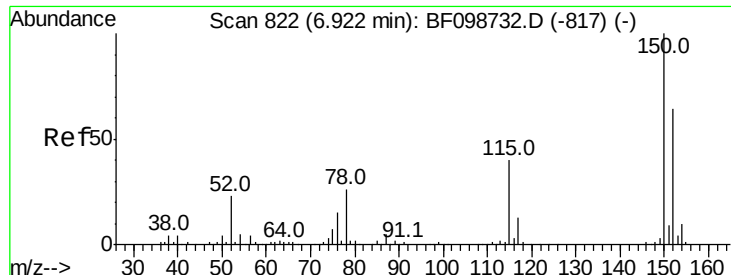
Instrument :
BNA_F
ClientSampleId :
CL-01-100617-C

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 PM

Quant Time: Oct 11 17:01:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration





#1

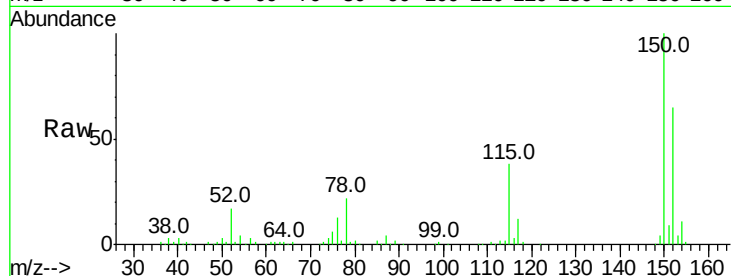
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Instrument :
BNA_F
ClientSampleId :
CL-01-100617-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	58.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 PM

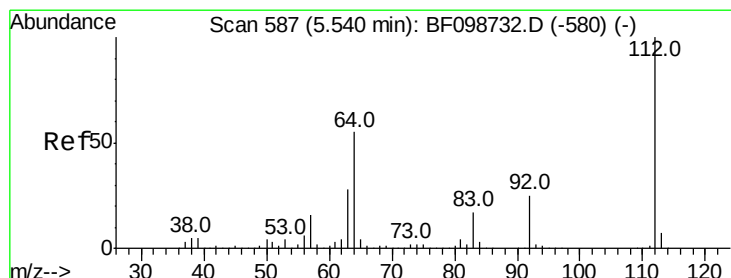
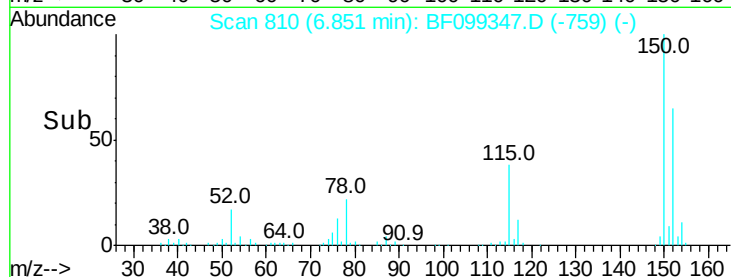
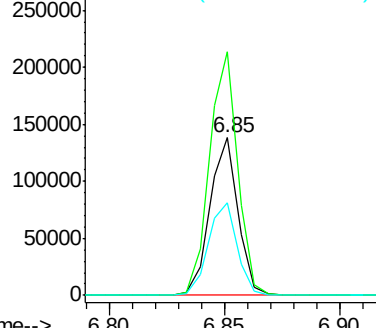


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

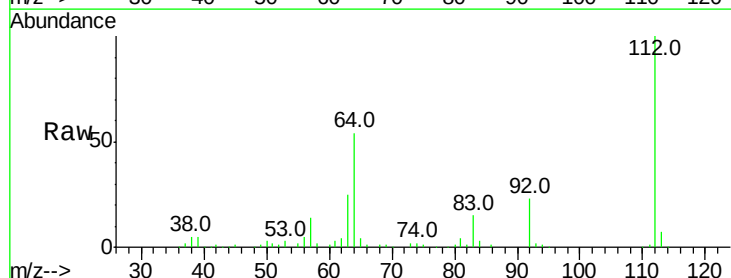
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.795 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.9	71.9
63	24.6	23.7	35.5

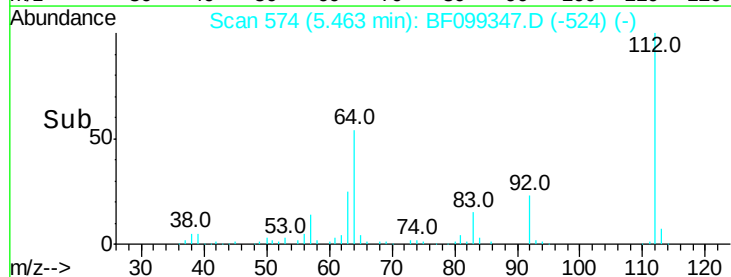
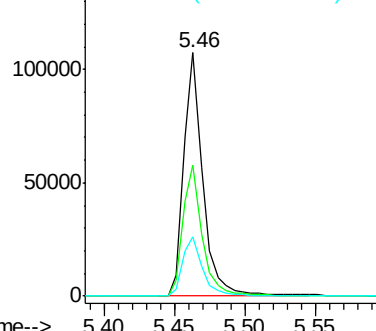


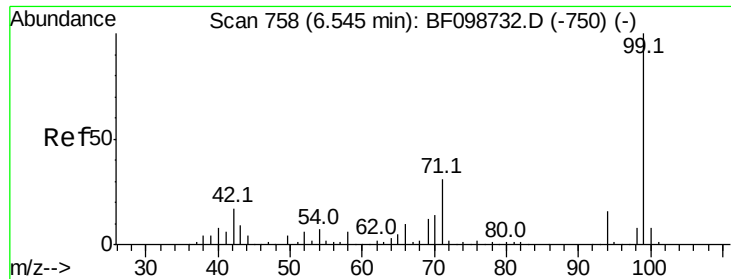
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.679 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

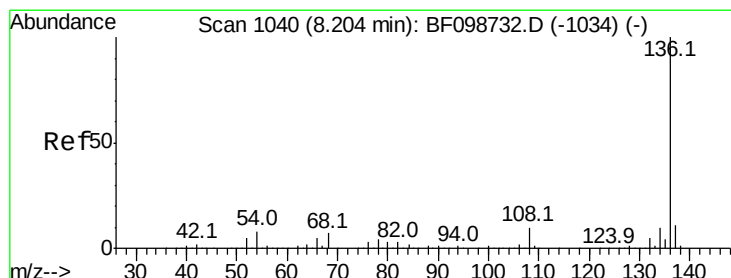
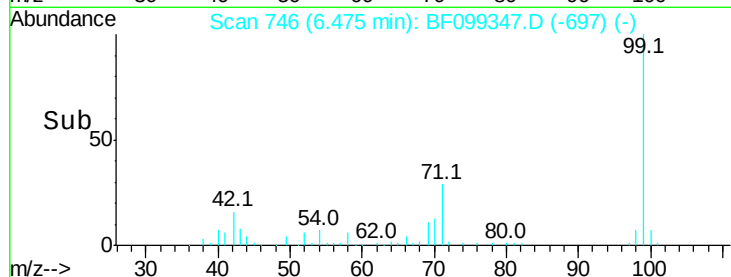
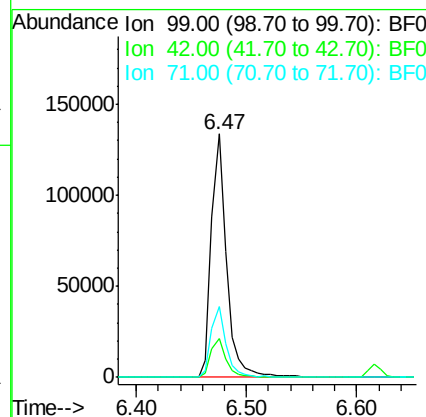
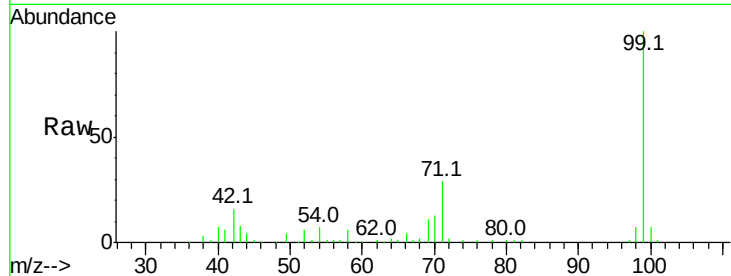
ClientSampled :

CL-01-100617-C

Tot Ion:	99	Resp:	124461
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	29.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 PM



#21

Naphthalene-d8

Concen: 20.000 ng

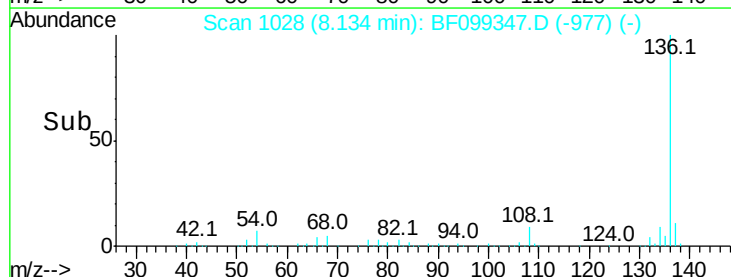
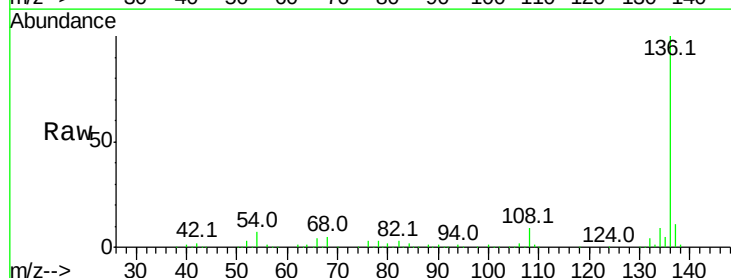
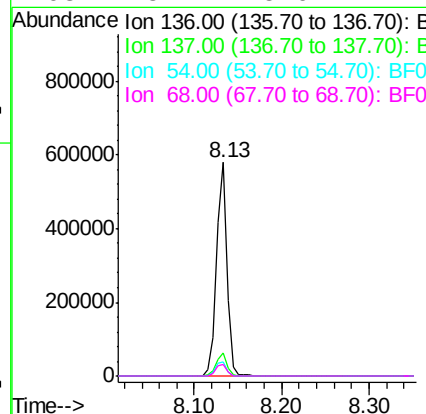
RT: 8.13 min Scan# 1028

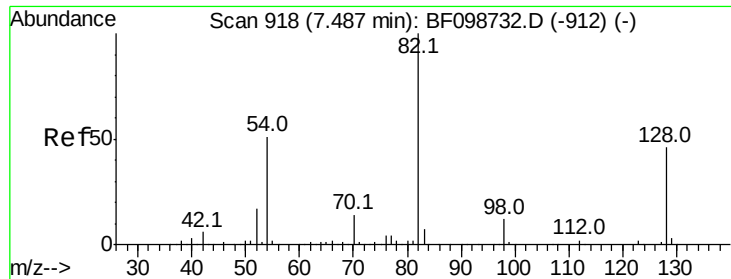
Delta R.T. 0.00 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Tgt Ion:	136	Resp:	483064
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.8	6.6	9.8
68	5.4	5.0	7.4





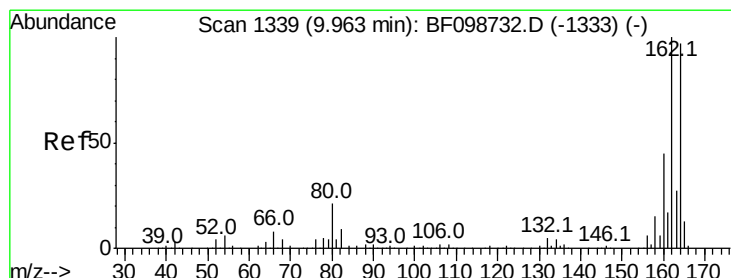
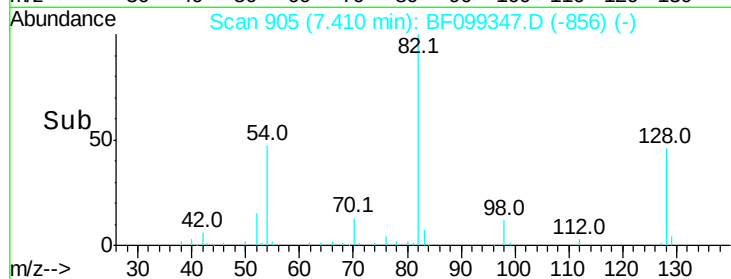
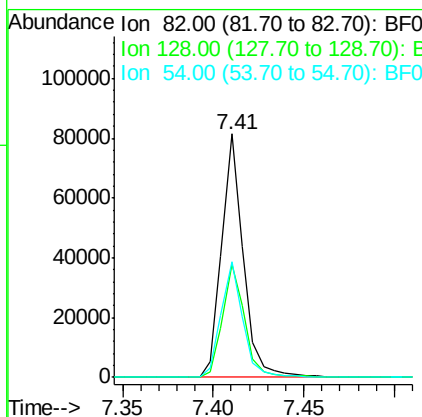
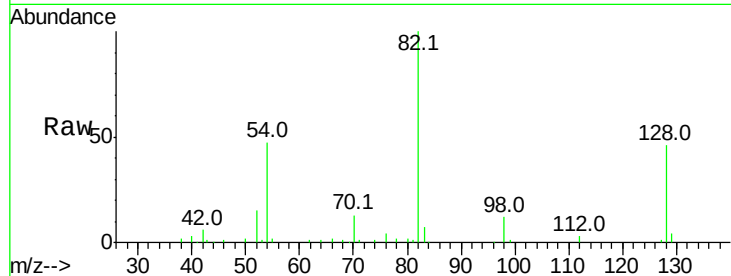
#23
 Nitrobenzene-d5
 Concen: 8.969 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Instrument :
 BNA_F
 ClientSampled :
 CL-01-100617-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	47.3	41.4	62.2

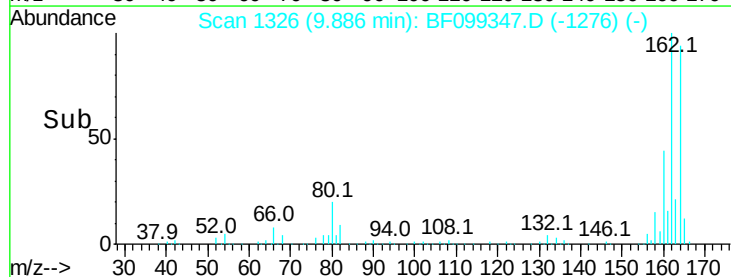
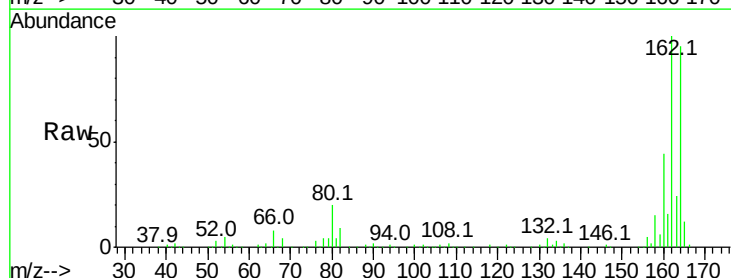
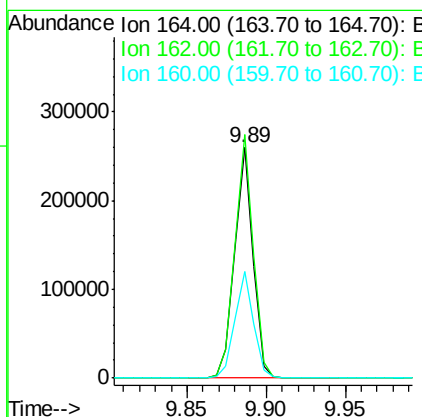
Manual Integrations
 APPROVED

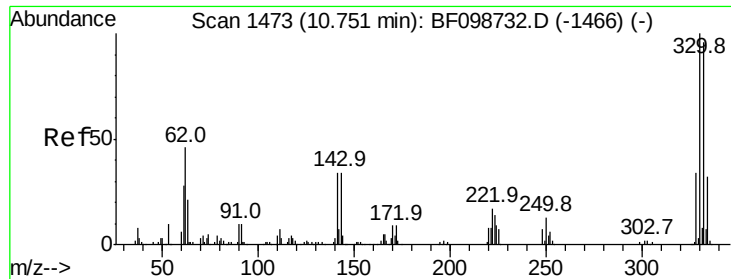
Sohil
 10/13/2017 12:07:11 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	46.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 8.783 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

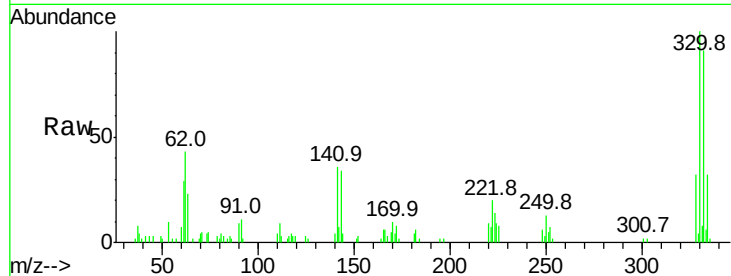
ClientSampleId :

CL-01-100617-C

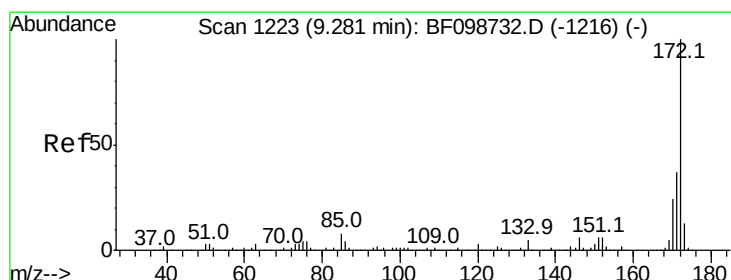
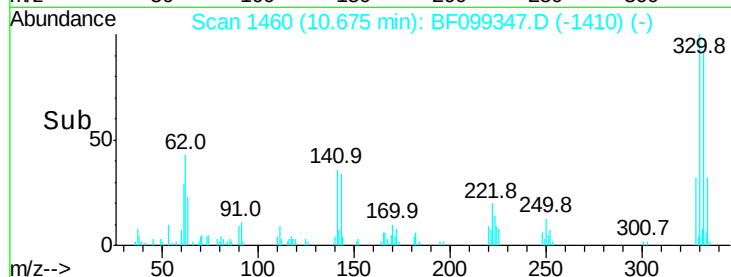
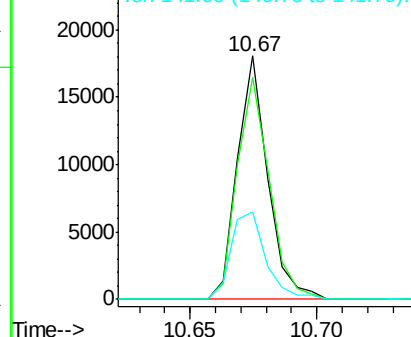
Tot Ion:	330	Resp:	15071
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	41.4	29.9	44.9

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 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



#44

2-Fluorobiphenyl

Concen: 11.843 ng

RT: 9.20 min Scan# 1210

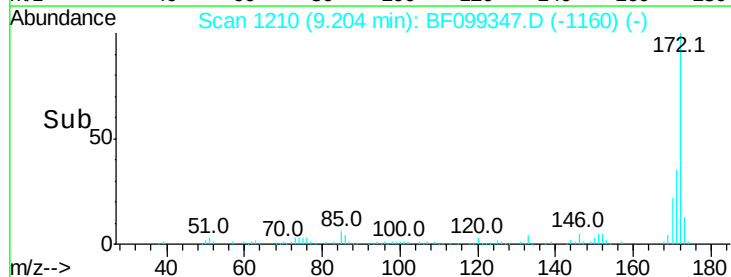
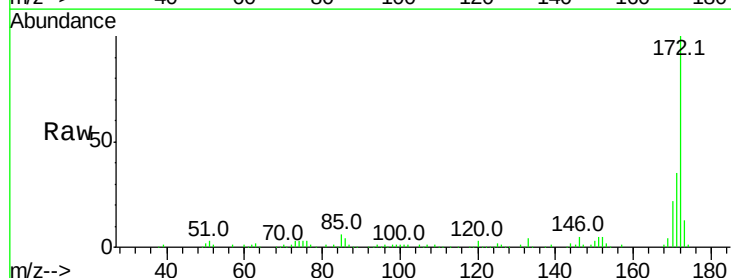
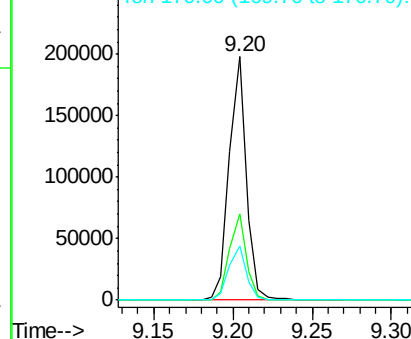
Delta R.T. -0.01 min

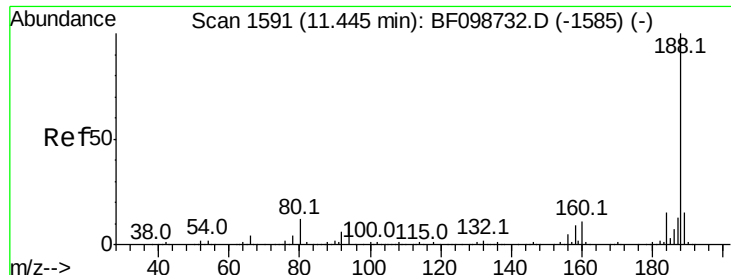
Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Tgt Ion:	172	Resp:	148769
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	22.4	19.6	29.4

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





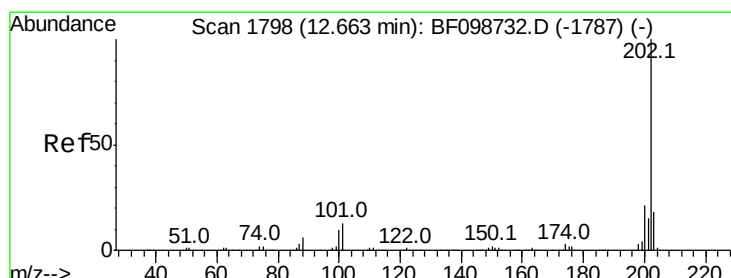
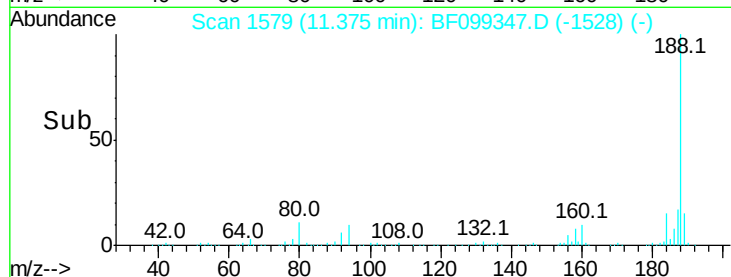
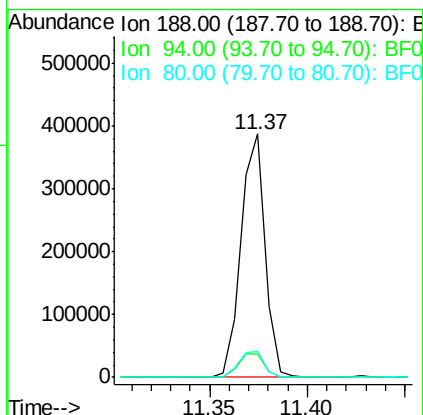
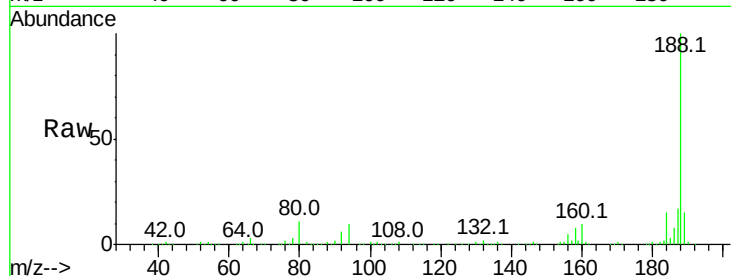
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Instrument :
BNA_F
ClientSampleId :
CL-01-100617-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.6	9.2	13.8

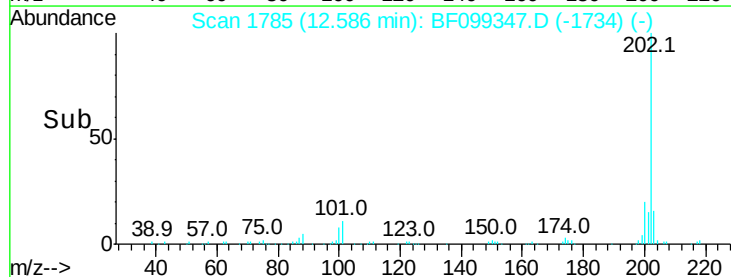
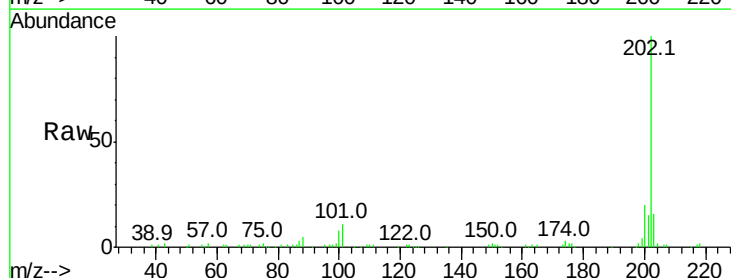
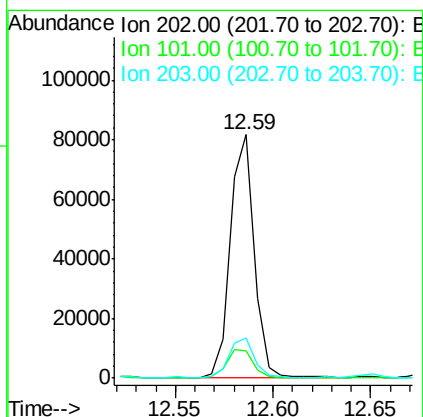
Manual Integrations
APPROVED

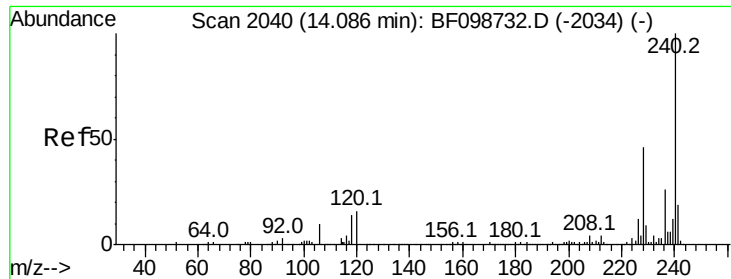
Sohil
10/13/2017 12:07:11 PM



#74
Fluoranthene
Concen: 3.883 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	34.1
203	16.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

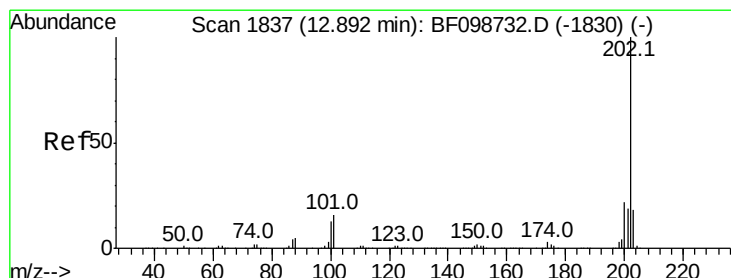
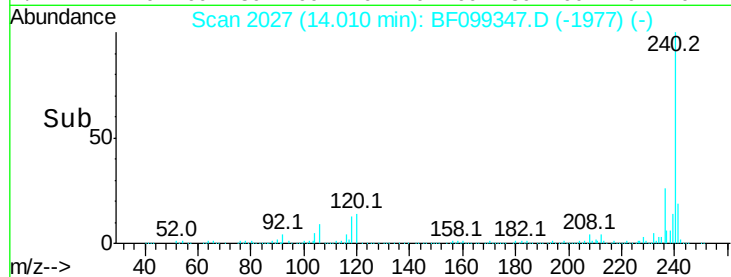
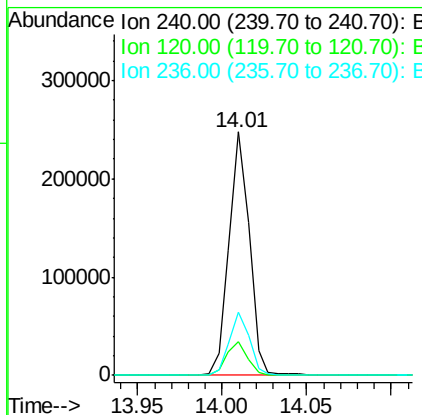
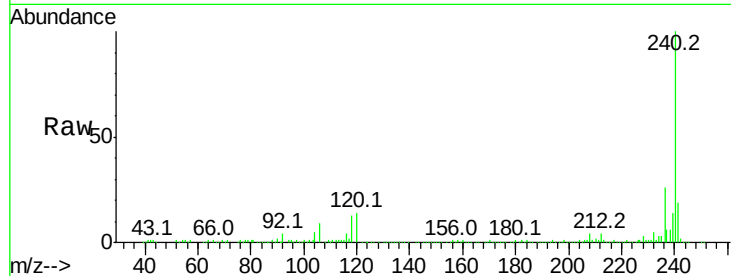
ClientSampleId :

CL-01-100617-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.8	20.7	31.1

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 PM



#77

Pyrene

Concen: 3.681 ng

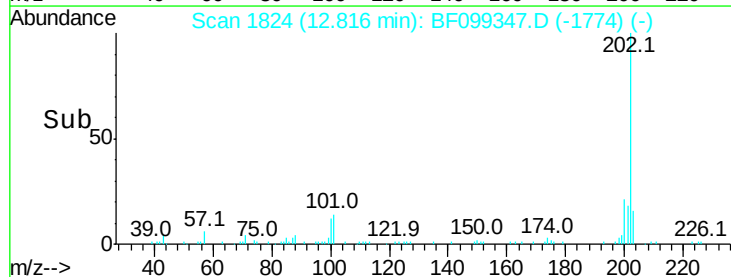
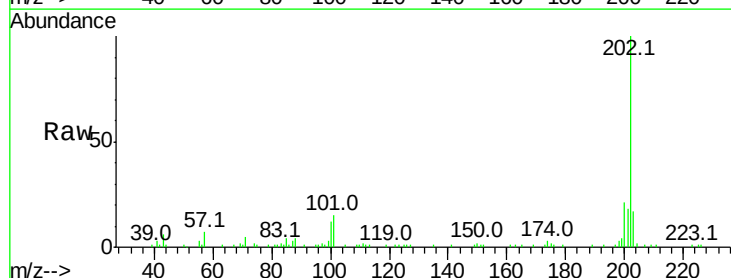
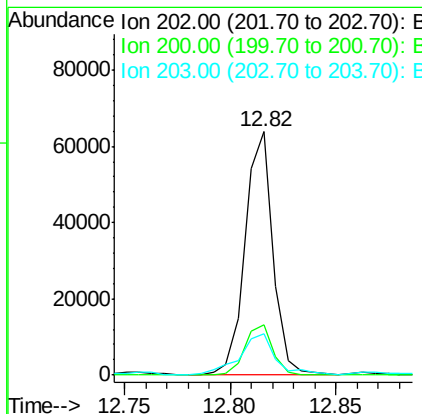
RT: 12.82 min Scan# 1824

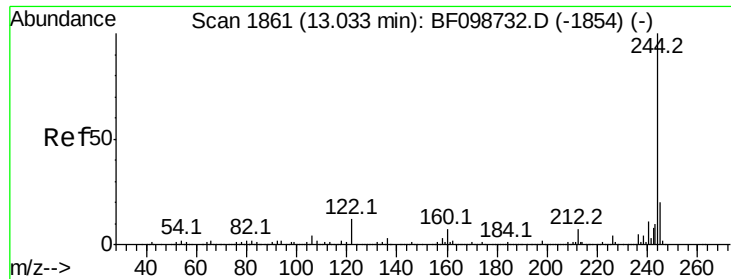
Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.1	14.3	21.5





#78

Terphenyl-d14

Concen: 9.892 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

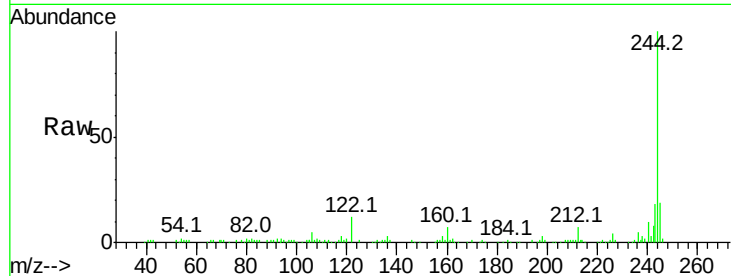
ClientSampleId :

CL-01-100617-C

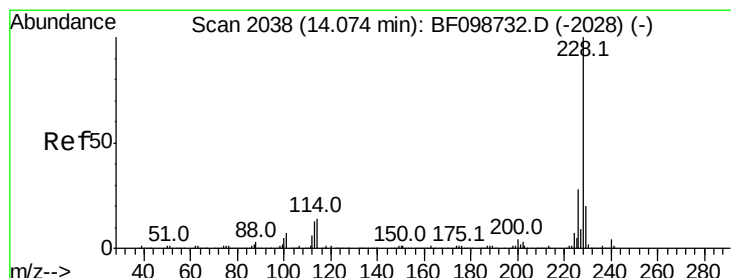
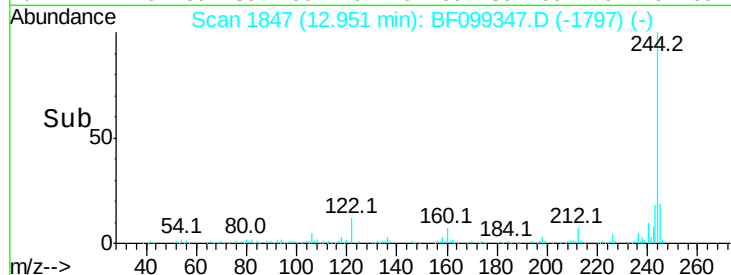
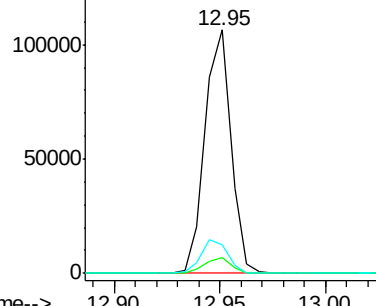
Tot Ion:	244	Resp:	90682
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	11.8	11.0	16.4

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 PM



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



#80

Benzo(a)anthracene

Concen: 2.222 ng

RT: 14.00 min Scan# 2025

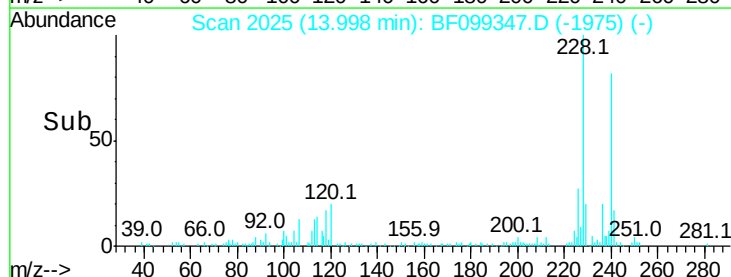
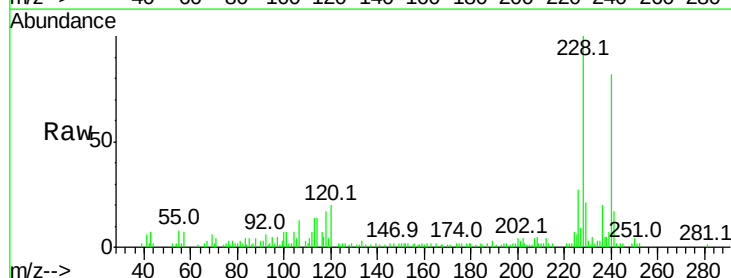
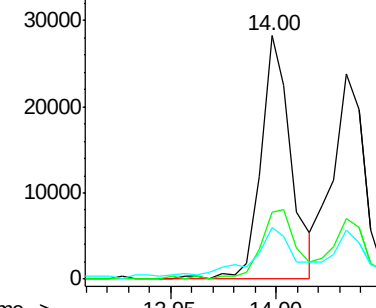
Delta R.T. -0.01 min

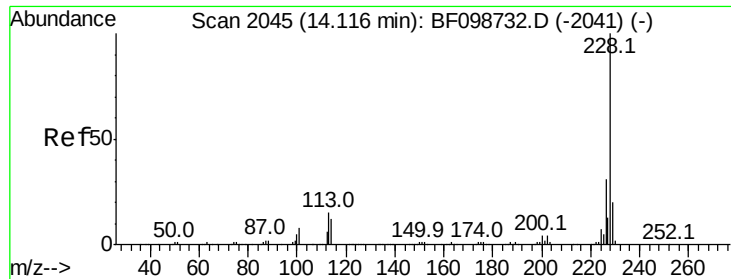
Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Tgt Ion:	228	Resp:	28051
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.6	33.8
229	21.1	15.8	23.6

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





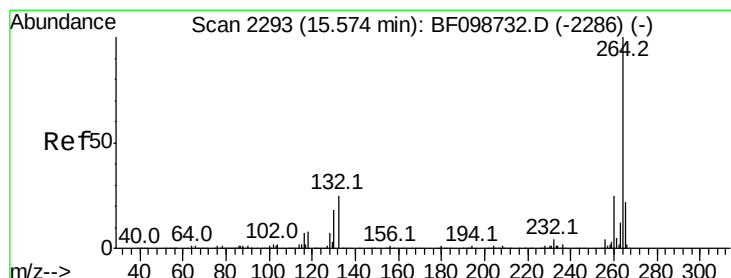
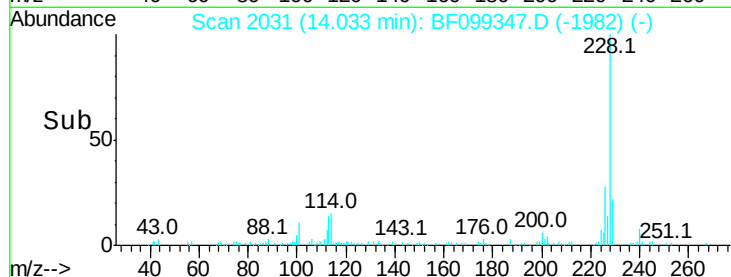
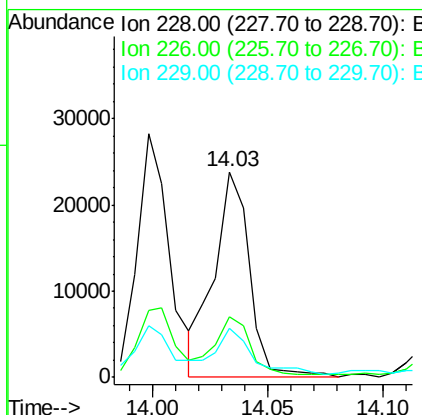
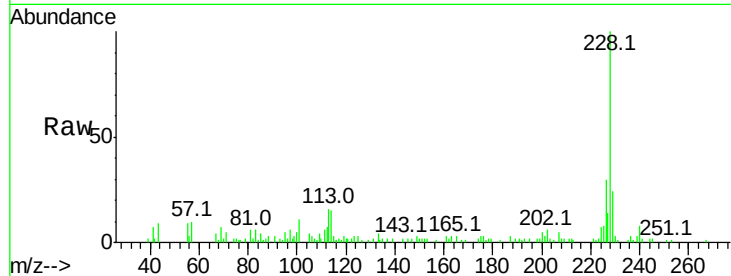
#82
Chrysene
Concen: 2.125 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Instrument :
BNA_F
ClientSampleId :
CL-01-100617-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.9	16.2	24.4

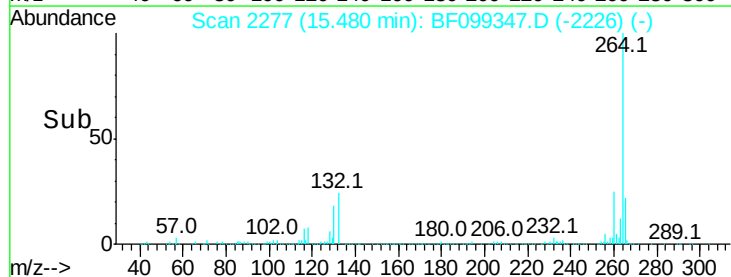
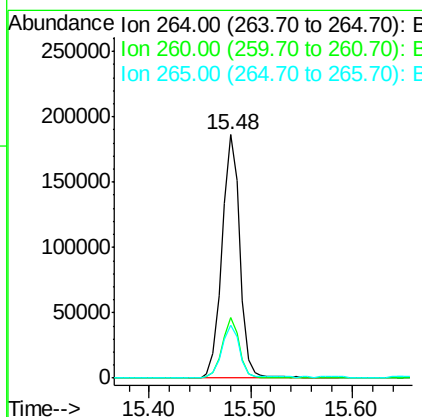
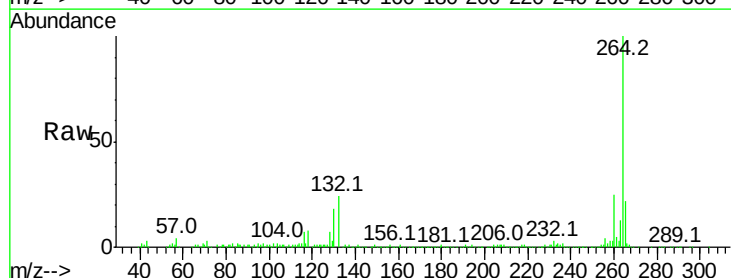
Manual Integrations
APPROVED

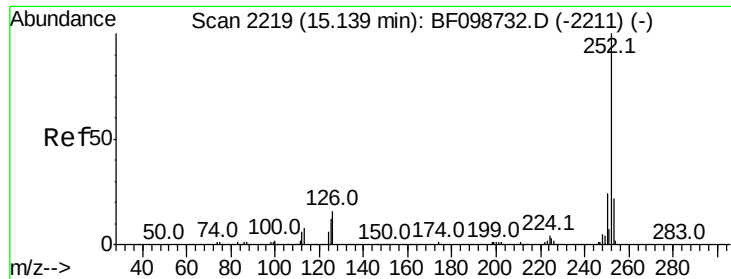
Sohil
10/13/2017 12:07:11 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.751 ng/mL

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

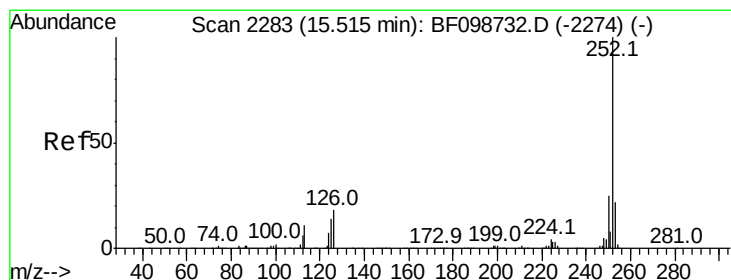
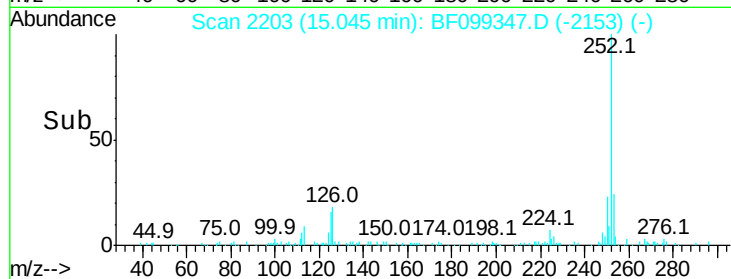
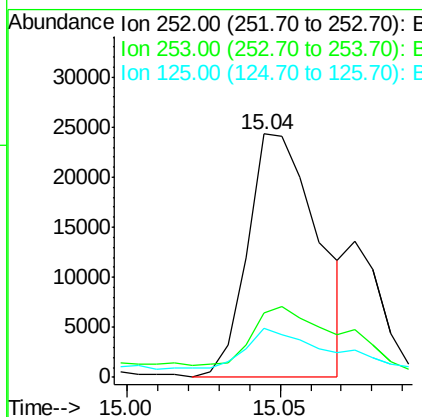
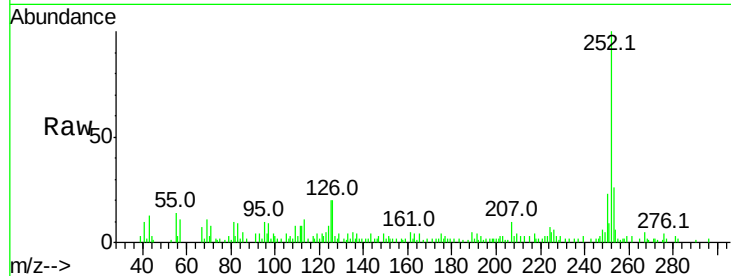
Instrument :
BNA_F

Client Sample Id :
CL-01-100617-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.0	25.6#
125	20.3	9.0	13.6#

Manual Integrations
APPROVED

Sohil
10/13/2017 12:07:11 PM



#89

Benzo(a)pyrene

Concen: 2.183 ng/mL

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	19.8	9.8	14.6#

