

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097214.D
 Acq On : 31 Jul 2017 18:09
 Operator : SJ/JU
 Sample : I4488-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Manual Integrations
 APPROVED

Sohil
 8/1/2017 5:44:43 PM

Quant Time: Aug 01 04:25:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	103062	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	508571	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	188974	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	285498	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	227626	20.00	ng	-0.02
86) Perylene-d12	14.96	264	213638	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	835464	122.20	ng	0.00
7) Phenol-d6	6.16	99	872810	111.83	ng	-0.01
23) Nitrobenzene-d5	7.05	82	549930	63.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	145214	97.26	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	823806	73.98	ng	-0.03
78) Terphenyl-d14	12.57	244	552961	49.53	ng	-0.02
Target Compounds						
10) Phenol	6.17	94	50160	5.418	ng	99
49) Dimethylphthalate	9.24	163	206596	14.397	ng	98
70) Phenanthrene	11.01	178	50472	3.299	ng	97
74) Fluoranthene	12.19	202	129820	8.663	ng	96
77) Pyrene	12.42	202	130625	7.010	ng	98
80) Benzo(a)anthracene	13.60	228	72962m	4.954	ng	
82) Chrysene	13.63	228	71334	4.960	ng	96
85) Indeno(1,2,3-cd)pyrene	16.19	276	35119	2.848	ng	94
87) Benzo(b)fluoranthene	14.60	252	100288m	7.809	ng	
88) Benzo(k)fluoranthene	14.63	252	26009m	2.125	ng	
89) Benzo(a)pyrene	14.91	252	71088	6.048	ng	# 93
91) Benzo(a,h,i)perylene	16.56	276	39398	3.898	ng	99

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

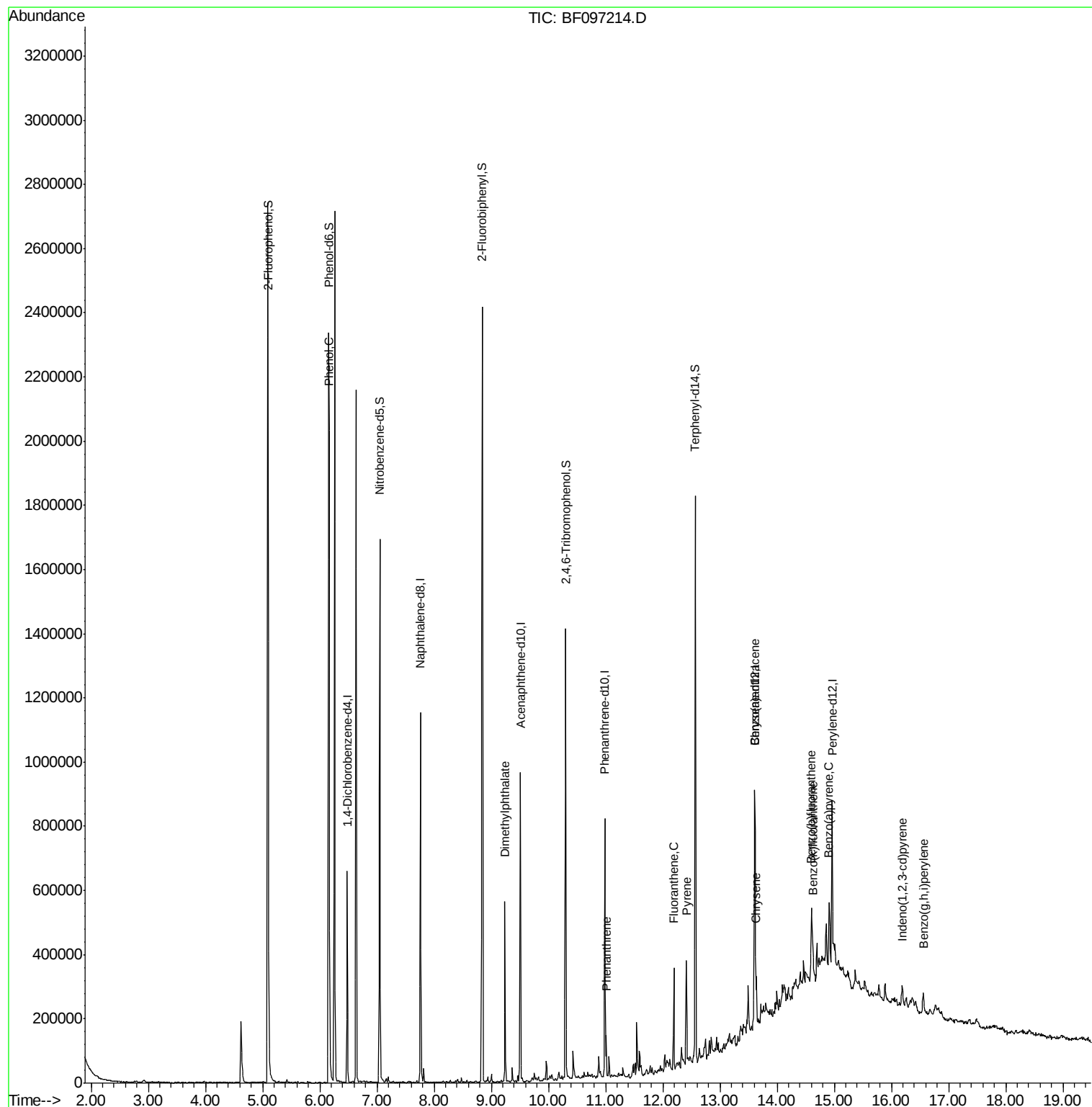
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
Data File : BF097214.D
Acq On : 31 Jul 2017 18:09
Operator : SJ/JU
Sample : I4488-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

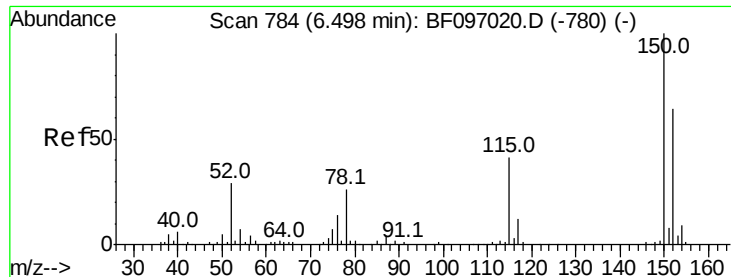
Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM

Quant Time: Aug 01 04:25:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration





#1

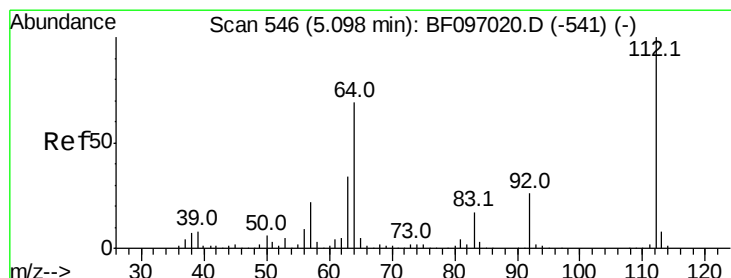
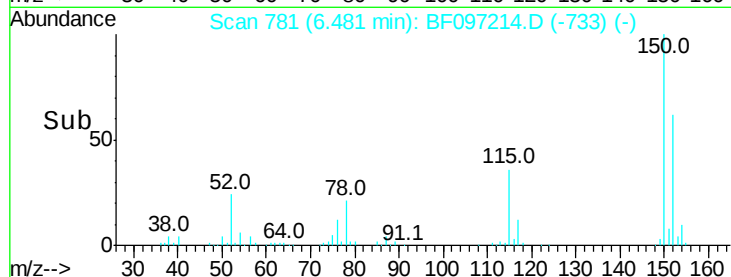
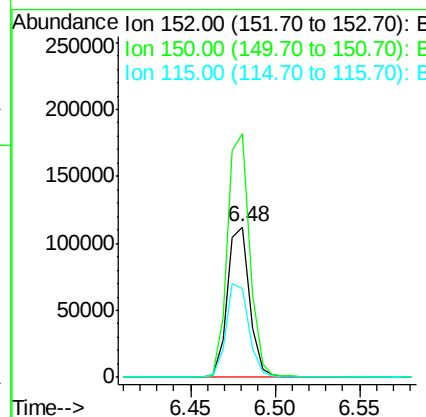
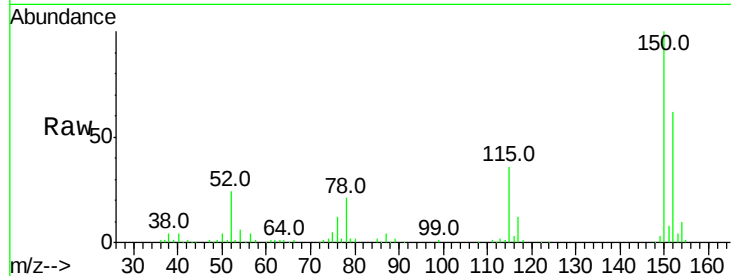
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.2	189.2
115	58.7	52.2	78.2

Manual Integrations
APPROVED

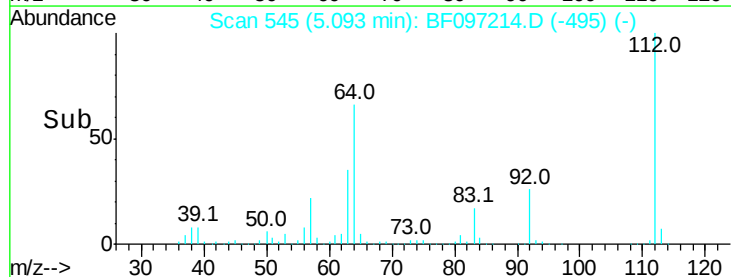
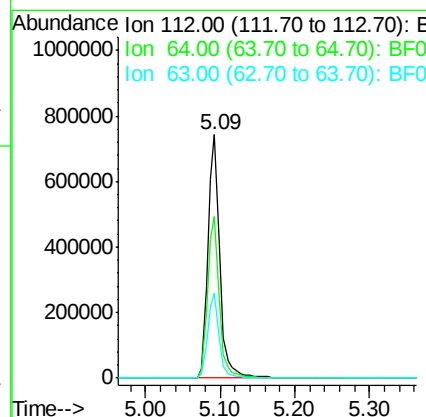
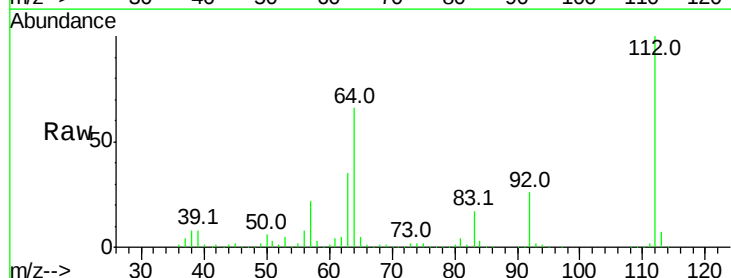
Sohil
8/1/2017 5:44:43 PM

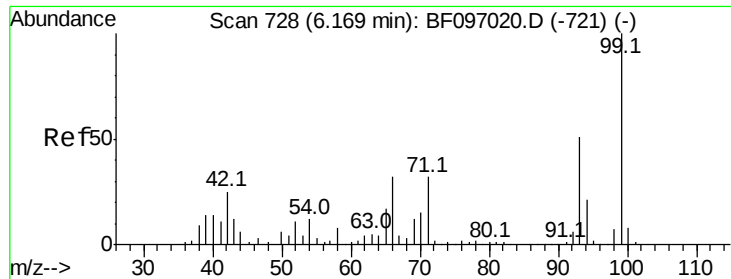


#5

2-Fluorophenol
Concen: 122.203 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.0	69.0
63	34.6	23.4	35.0





#7

Phenol-d6

Concen: 111.829 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

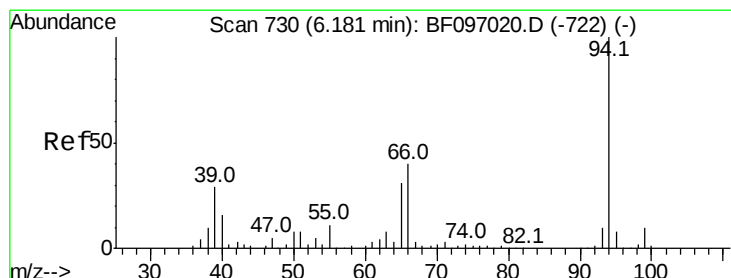
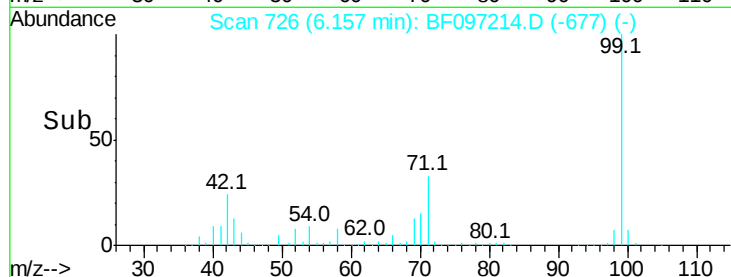
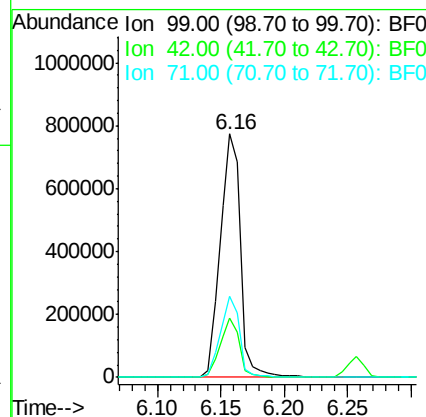
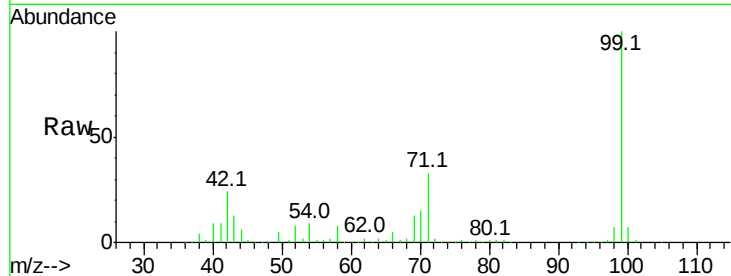
ClientSampleId :

CL-02-072717-B

Tot Ion:	99	Resp:	872810
Ion Ratio	Lower	Upper	
99	100		
42	24.2	13.5	20.3#
71	33.1	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM



#10

Phenol

Concen: 5.418 ng

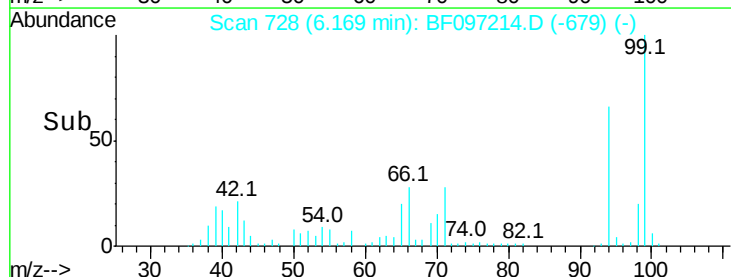
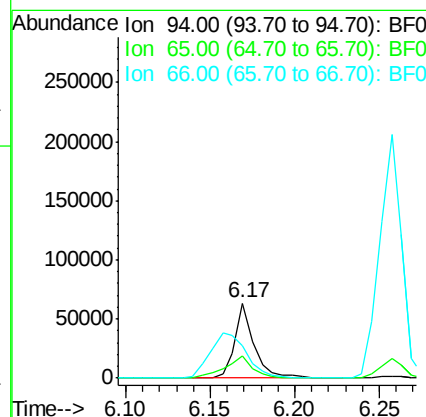
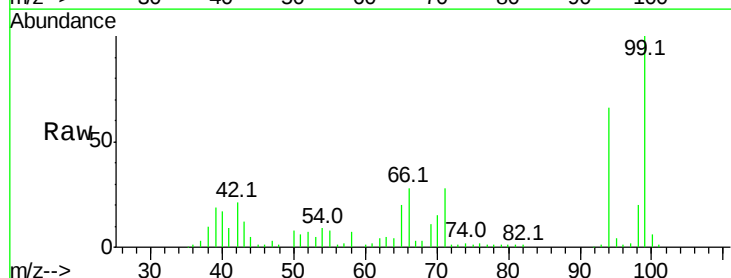
RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Tgt Ion:	94	Resp:	50160
Ion Ratio	Lower	Upper	
94	100		
65	29.5	9.9	49.9
66	42.5	23.1	63.1





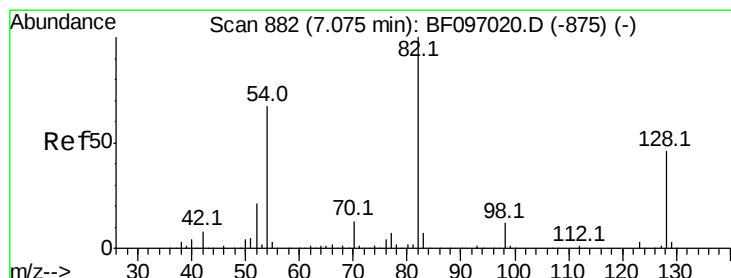
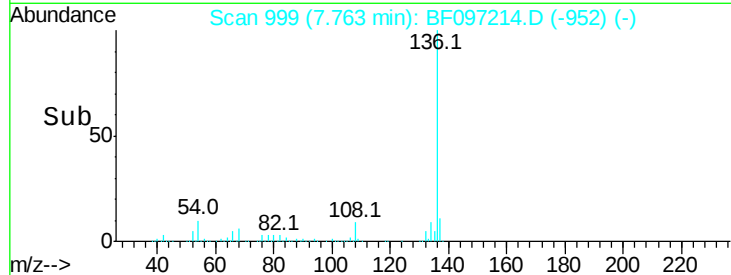
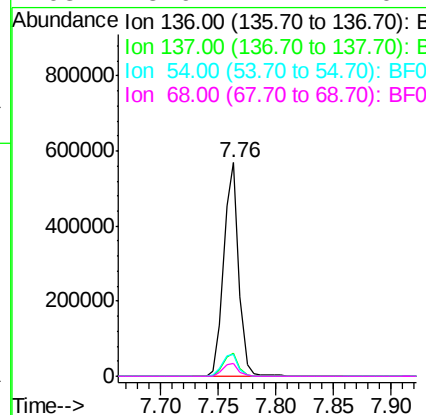
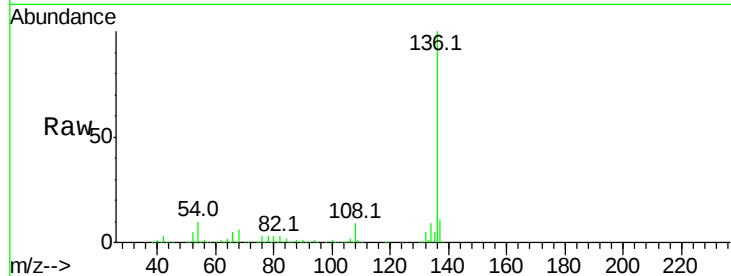
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	10.2	4.9	7.3#	
68	5.9	4.1	6.1	

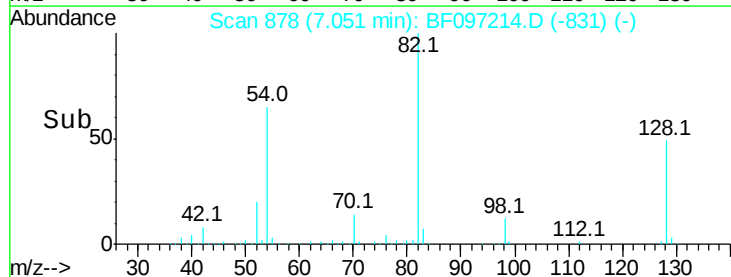
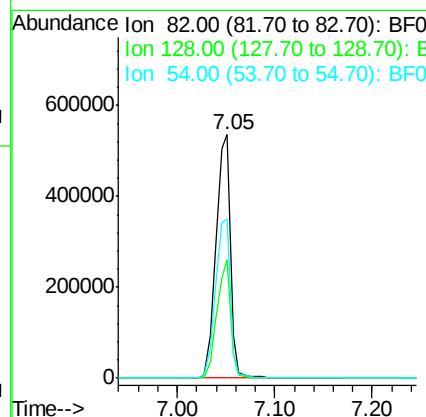
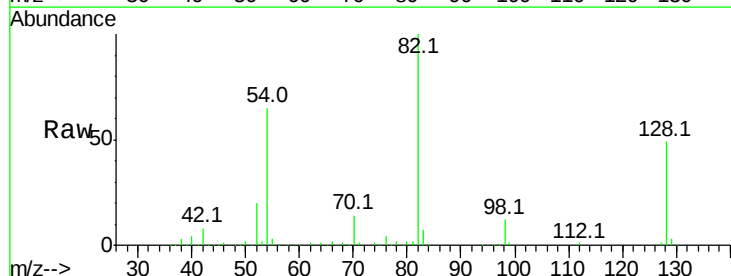
Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM



#23
Nitrobenzene-d5
Concen: 63.435 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.5	34.0	51.0	
54	65.5	42.2	63.2#	





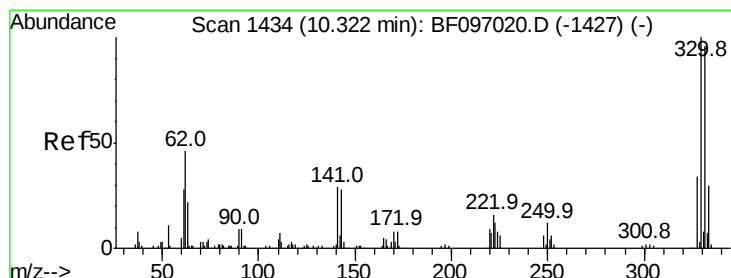
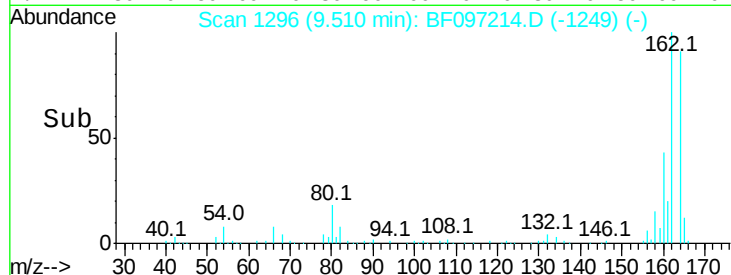
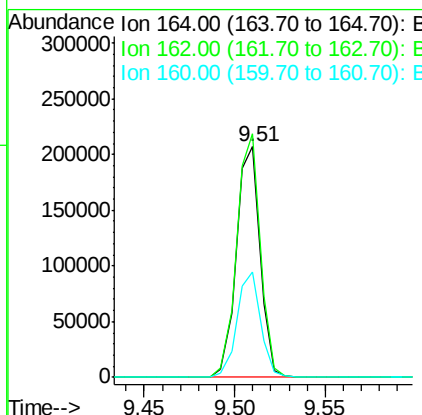
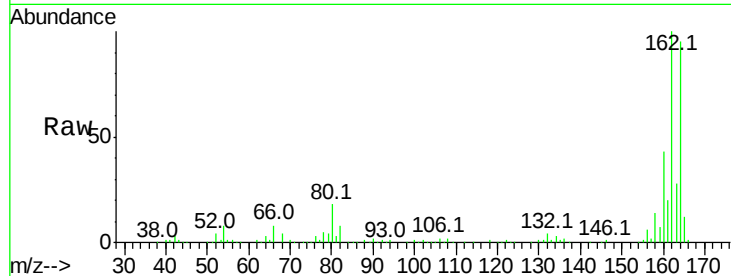
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100	188974		
162	105.6	82.6	123.8	
160	45.7	36.2	54.2	

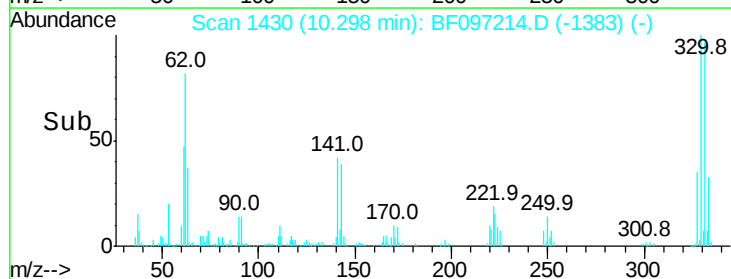
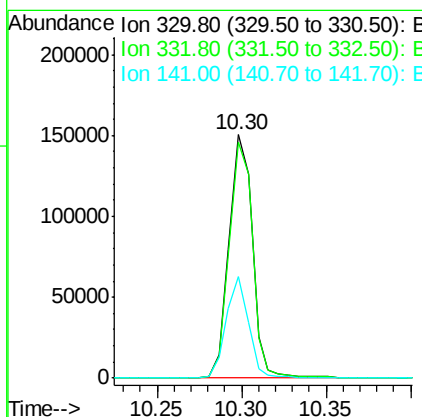
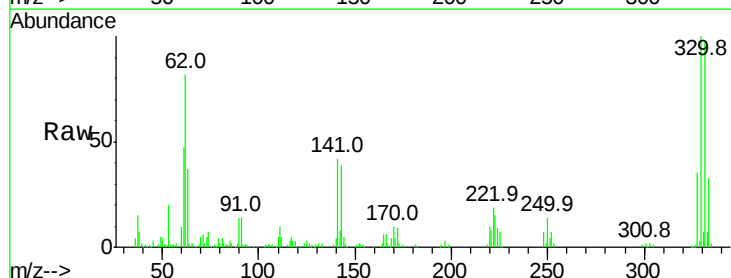
Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM



#41
2,4,6-Tribromophenol
Concen: 97.258 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	145214		
332	97.4	76.6	115.0	
141	40.0	31.4	47.2	





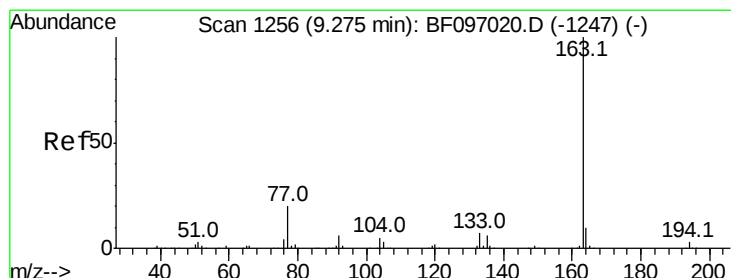
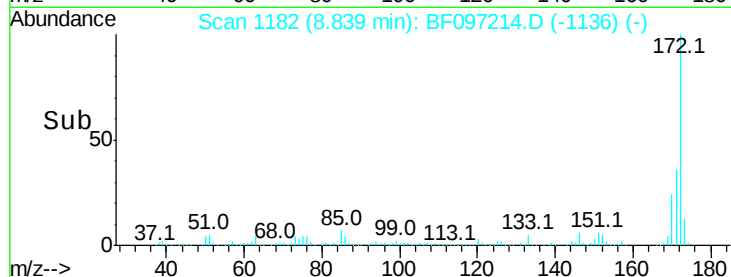
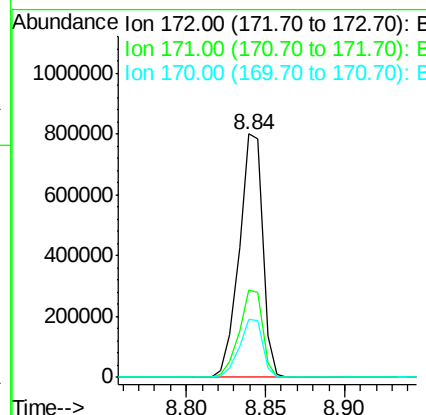
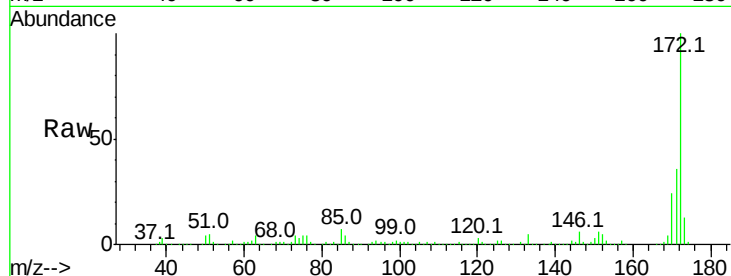
#44
2-Fluorobiphenyl
Concen: 73.983 ng
RT: 8.84 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9		29.6	44.4
170	23.8		19.8	29.8

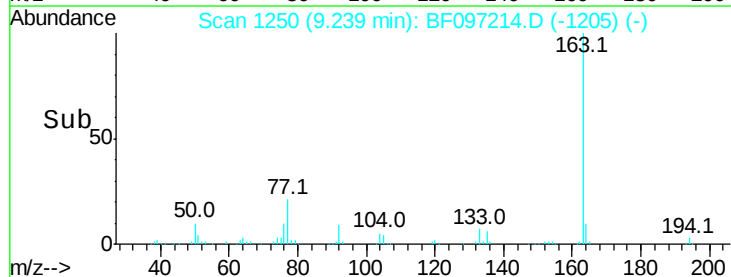
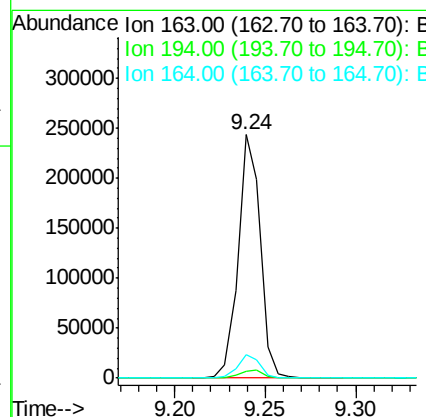
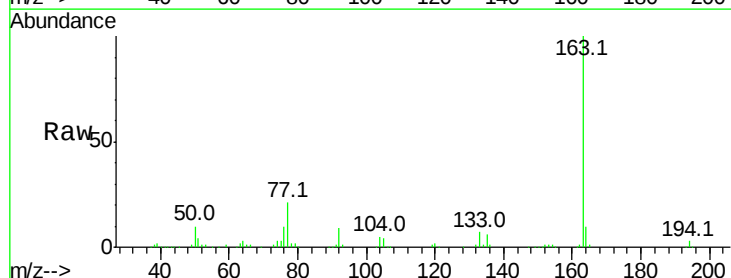
Manual Integrations
APPROVED

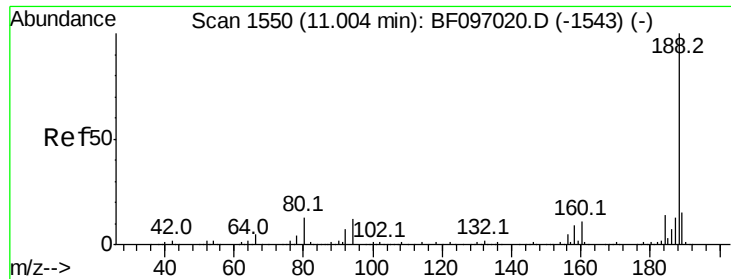
Sohil
8/1/2017 5:44:43 PM



#49
Dimethylphthalate
Concen: 14.397 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.9		2.6	4.0
164	9.7		8.4	12.6





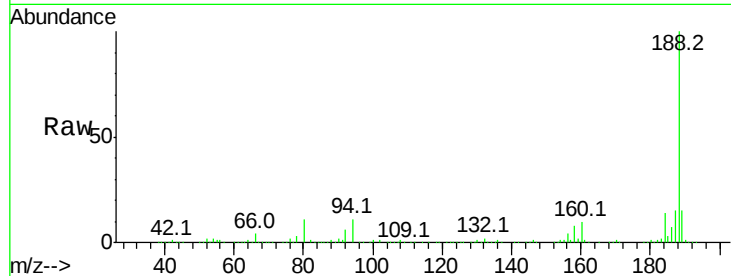
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.9	10.2	15.2

Manual Integrations
APPROVED

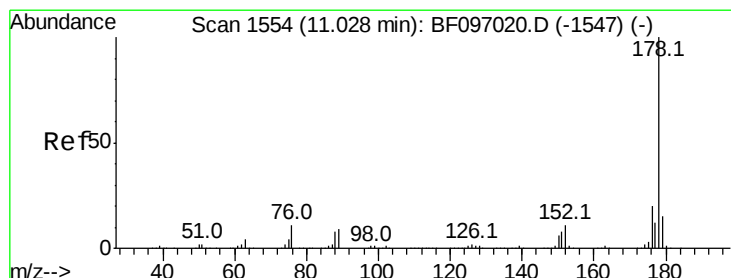
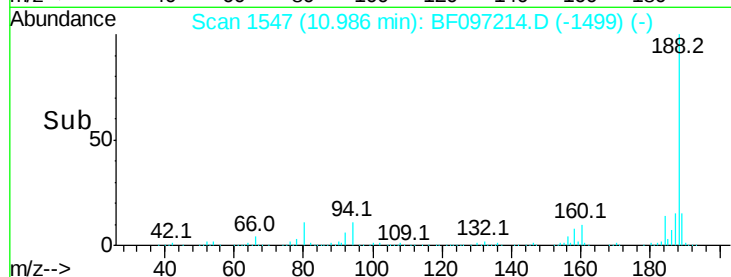
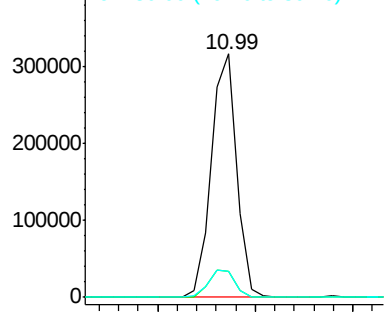
Sohil
8/1/2017 5:44:43 PM



Abundance Ion 188.00 (187.70 to 188.70): E

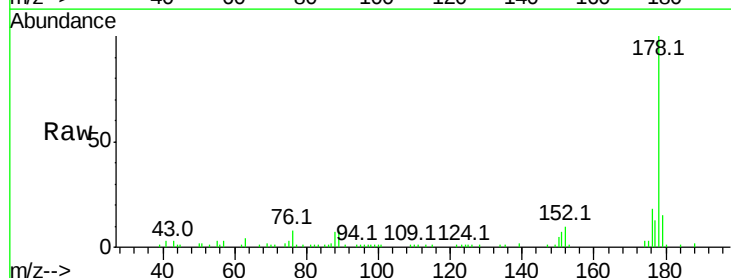
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 3.299 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

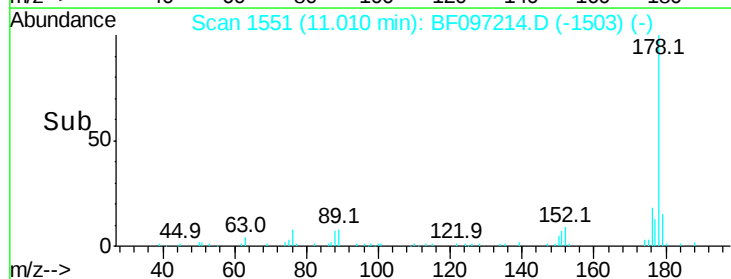
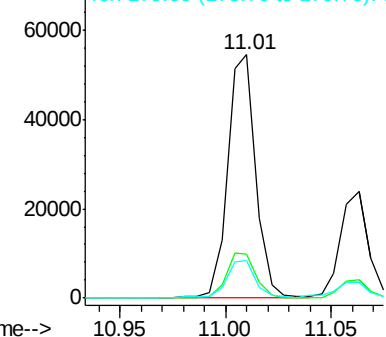
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	16.2	24.4
179	15.3	12.6	19.0

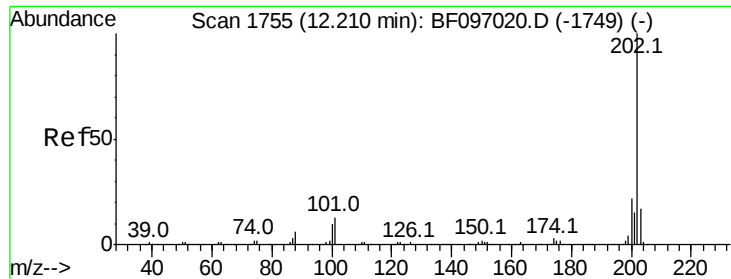


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.663 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

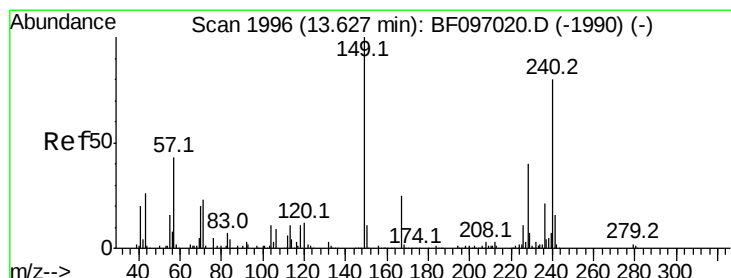
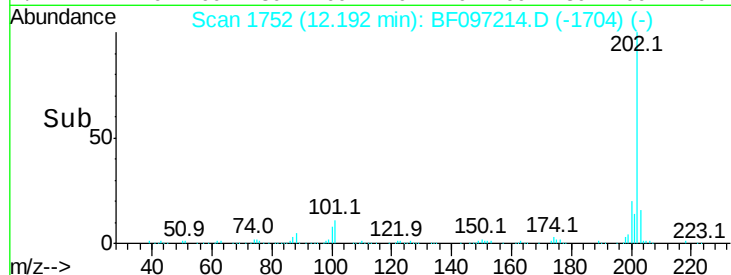
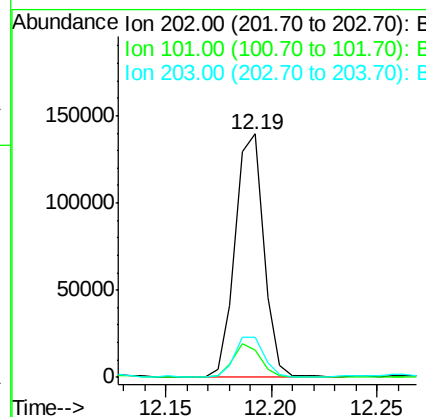
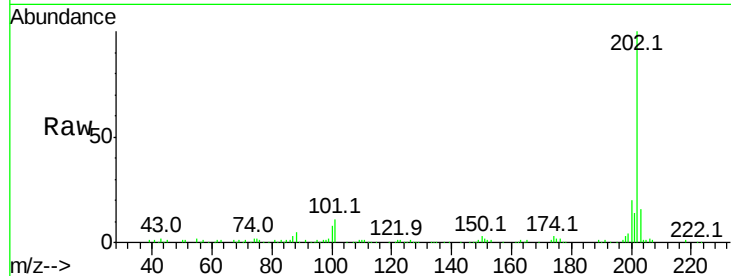
ClientSampled :

CL-02-072717-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	33.2
203	16.3	0.0	38.1

Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM



#75

Chrysene-d12

Concen: 20.000 ng

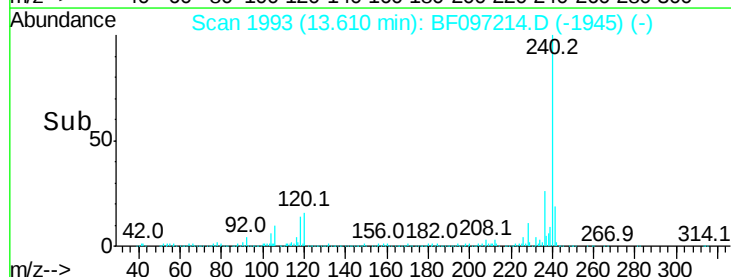
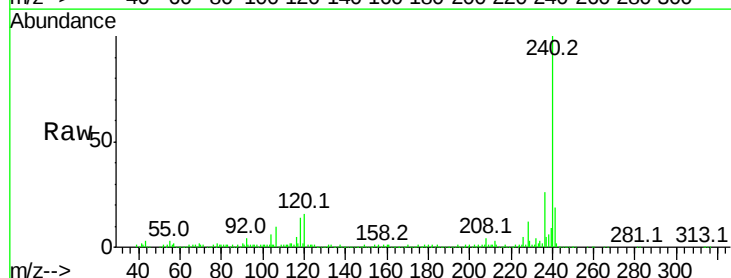
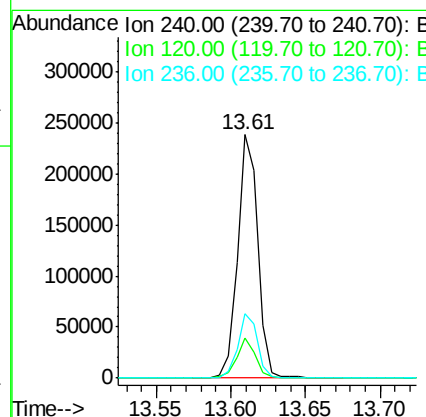
RT: 13.61 min Scan# 1993

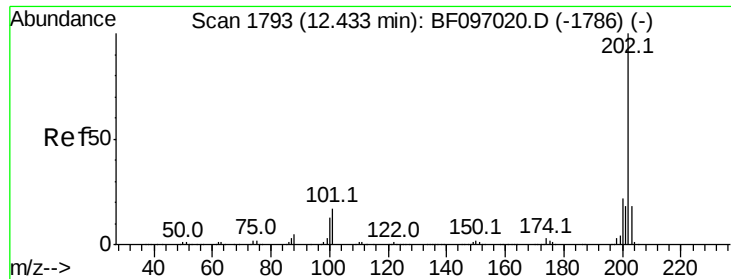
Delta R.T. -0.02 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	26.2	20.5	30.7





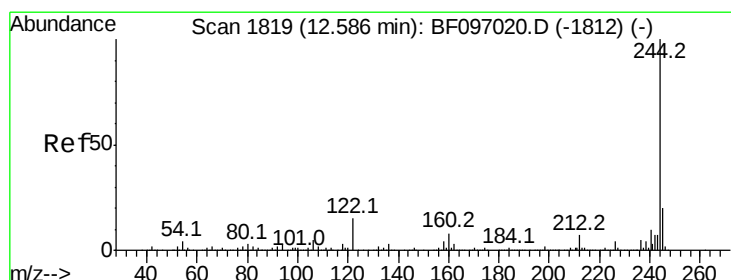
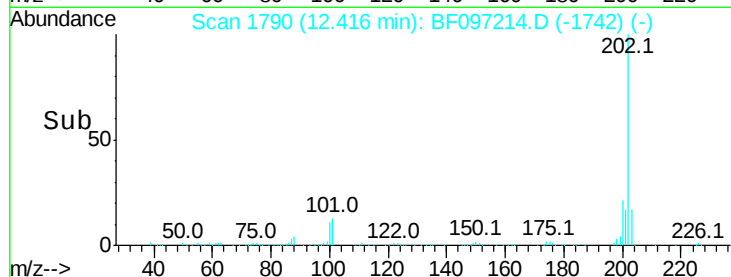
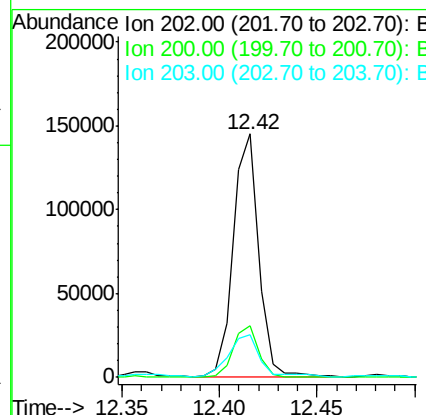
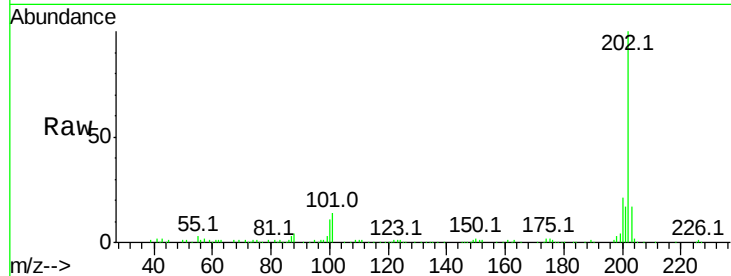
#77
Pvrene
Concen: 7.010 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.4	14.4	21.6

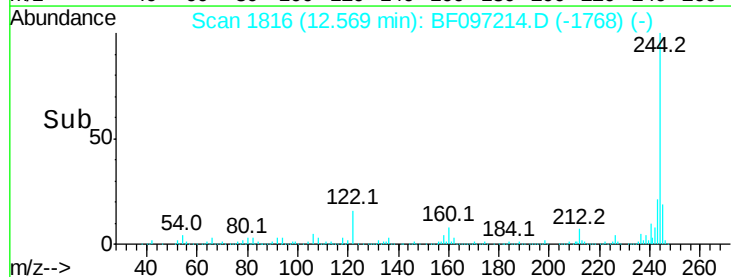
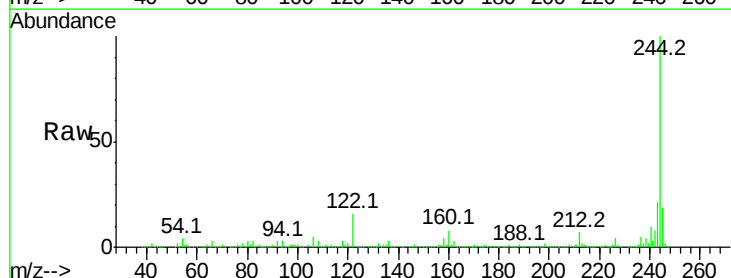
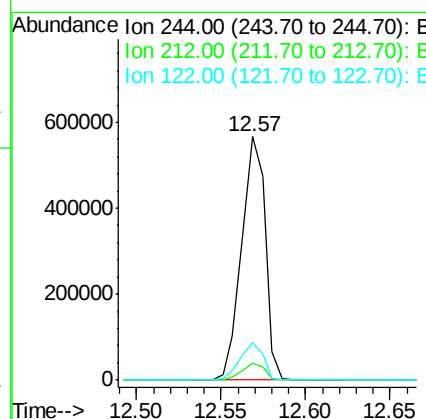
Manual Integrations
APPROVED

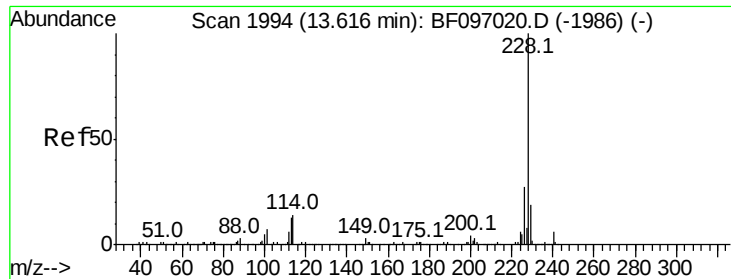
Sohil
8/1/2017 5:44:43 PM



#78
Terphenyl-d14
Concen: 49.529 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.6	10.3	15.5#





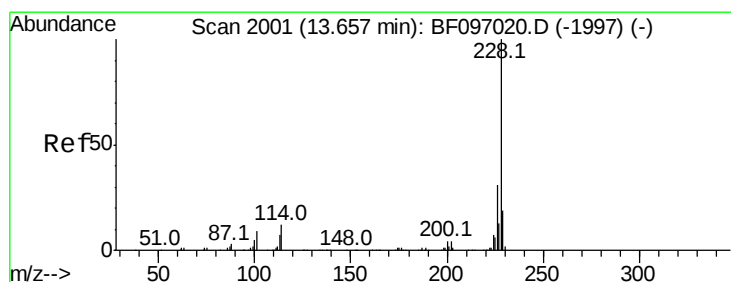
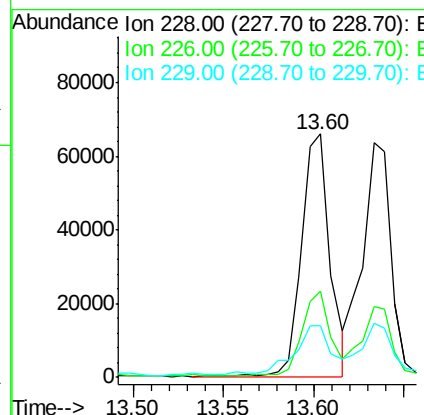
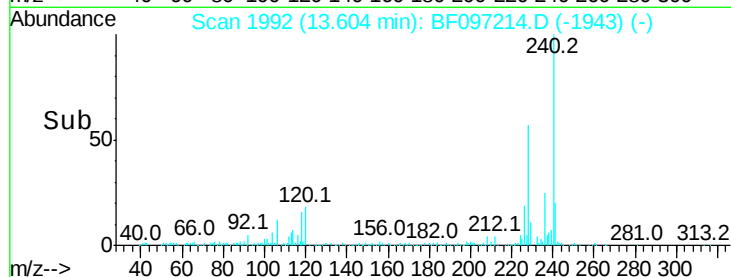
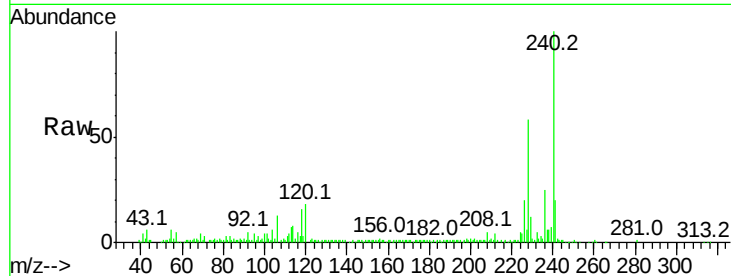
#80
Benzo(a)anthracene
Concen: 4.954 ng m
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.2	22.6	33.8#
229	21.3	16.3	24.5

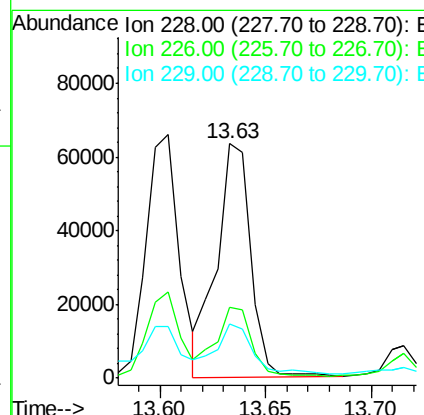
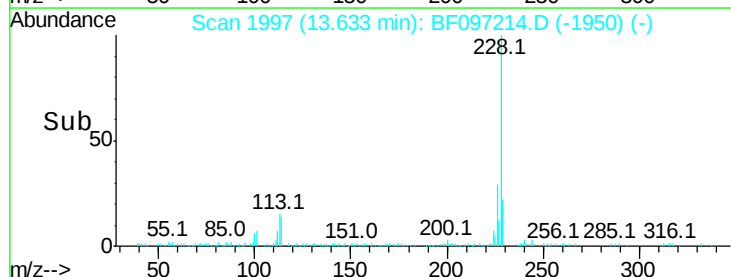
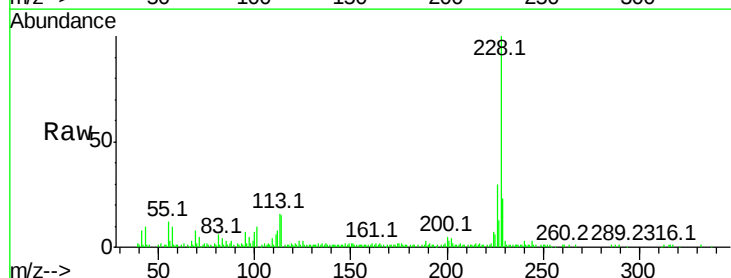
Manual Integrations
APPROVED

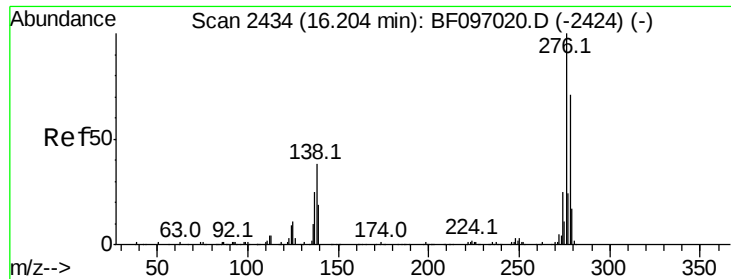
Sohil
8/1/2017 5:44:43 PM



#82
Chrysene
Concen: 4.960 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	23.2	15.8	23.6





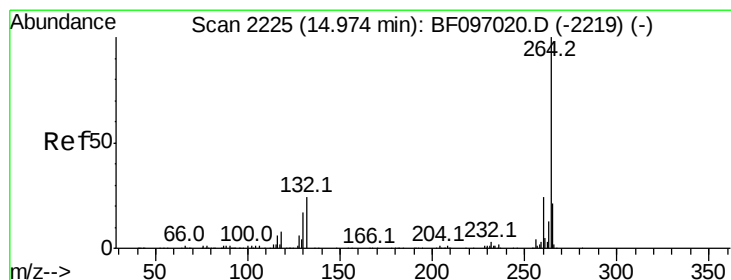
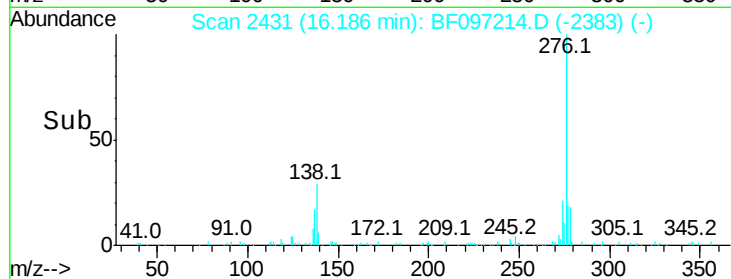
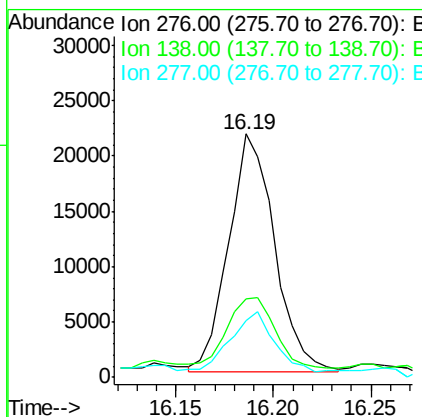
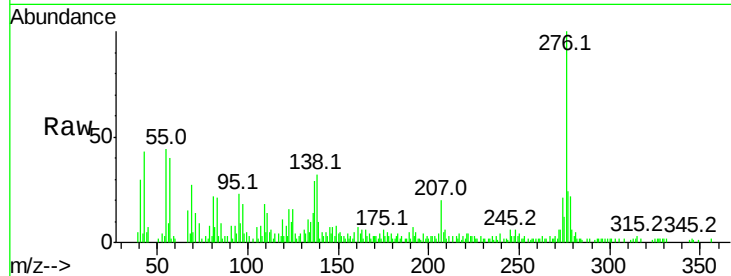
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.848 ng
 RT: 16.19 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	22.8	20.2	30.4

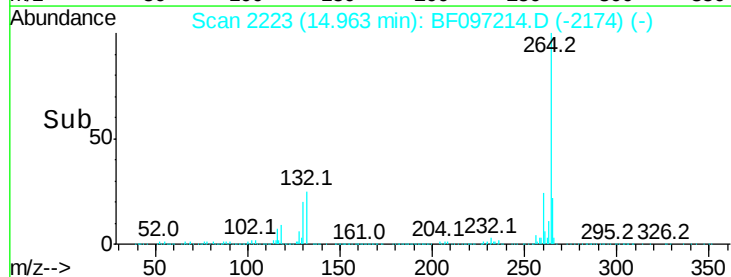
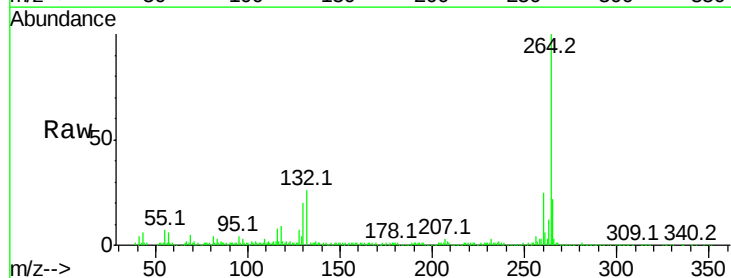
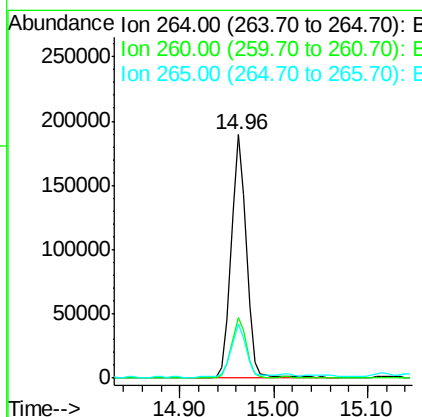
Manual Integrations
 APPROVED

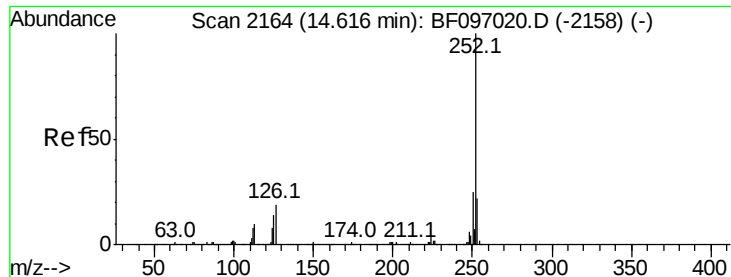
Sohil
 8/1/2017 5:44:43 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.809 ng m

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

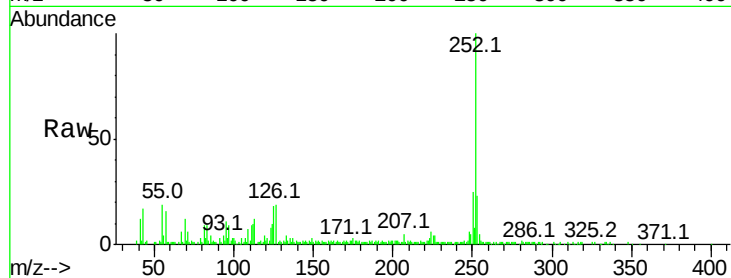
ClientSampleId :

CL-02-072717-B

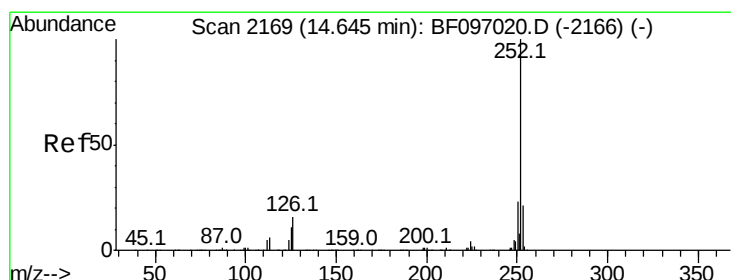
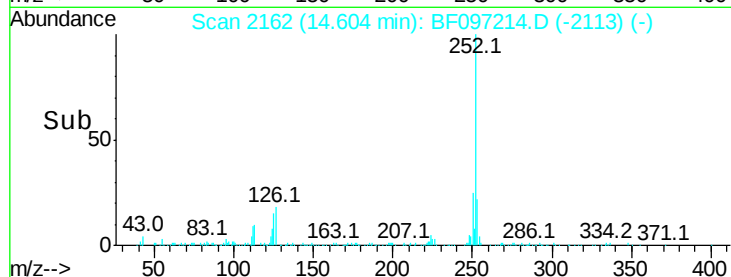
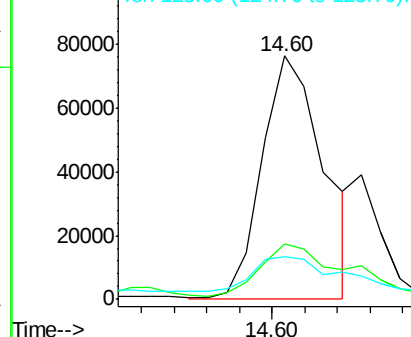
Tot Ion:	252	Resp:	100288
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	17.6	9.8	14.8#

Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.125 ng m

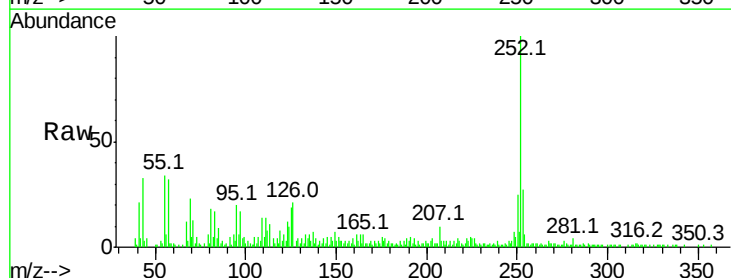
RT: 14.63 min Scan# 2166

Delta R.T. -0.02 min

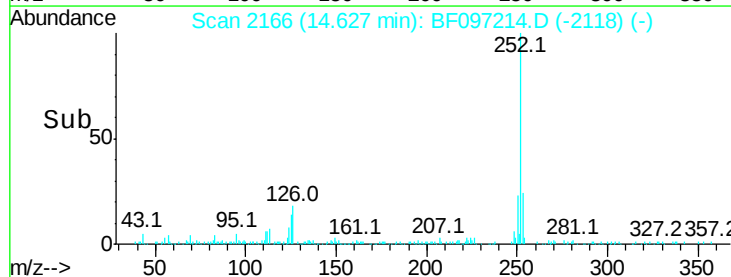
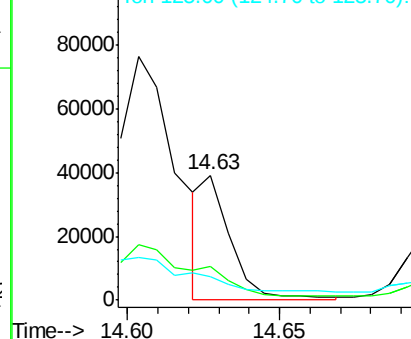
Lab File: BF097214.D

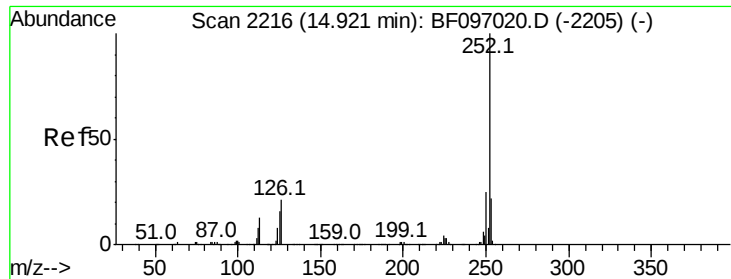
Acq: 31 Jul 2017 18:09

Tgt Ion:	252	Resp:	26009
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.4	27.6
125	19.1	13.1	19.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





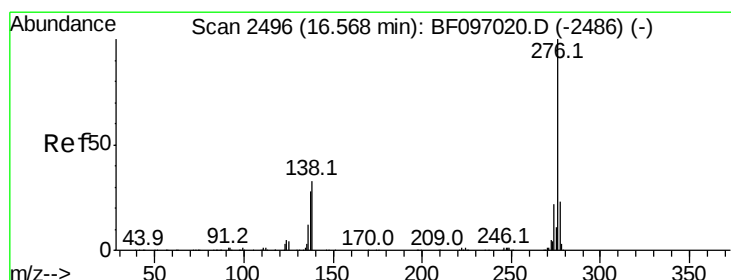
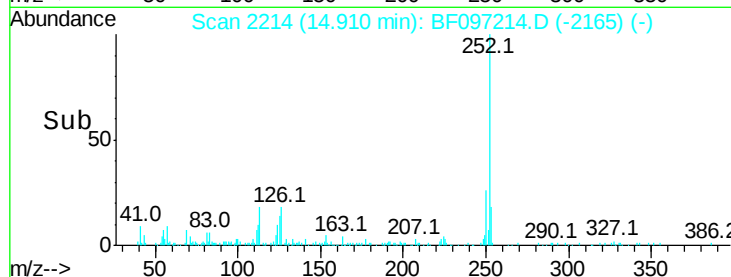
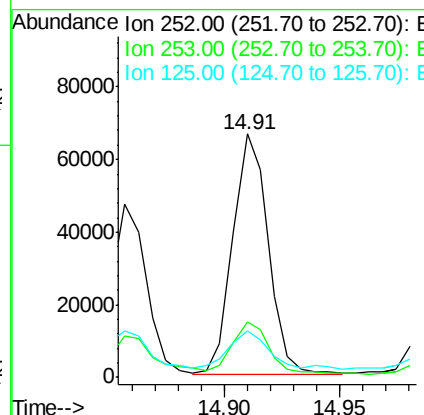
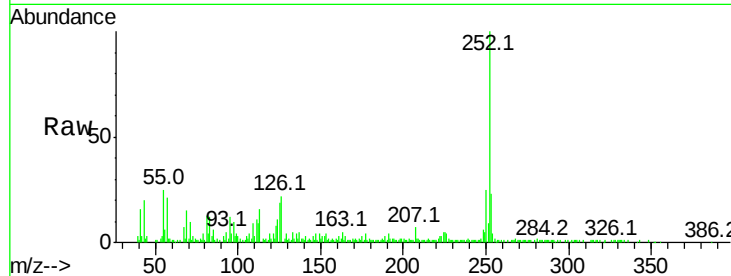
#89
Benzo(a)pyrene
Concen: 6.048 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	19.3	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/1/2017 5:44:43 PM



#91
Benzo(g,h,i)perylene
Concen: 3.898 ng
RT: 16.56 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	32.7	25.4	38.0

