

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095524.D
 Acq On : 28 May 2017 5:51
 Operator : SJ/MA
 Sample : I3281-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP13-SS5

Manual Integrations
 APPROVED

mohammad
 5/31/2017 1:05:09 PM

Quant Time: May 29 04:18:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92861	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	352348	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	143103	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	213945	20.00	ng	0.00
75) Chrysene-d12	18.67	240	214536	20.00	ng	0.00
86) Perylene-d12	20.35	264	160197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	591946	106.28	ng	0.00
7) Phenol-d6	7.28	99	694782	103.96	ng	-0.01
23) Nitrobenzene-d5	8.64	82	412249	73.78	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	106880	91.20	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	764499	76.89	ng	0.00
78) Terphenyl-d14	17.31	244	476059	48.88	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	161326	13.73	ng	100
70) Phenanthrene	15.04	178	97454	7.93	ng	97
74) Fluoranthene	16.78	202	140248	11.12	ng	95
77) Pyrene	17.08	202	125358	7.81	ng	95
80) Benzo(a)anthracene	18.66	228	61047m	4.89	ng	
82) Chrysene	18.71	228	59567	4.93	ng	98
87) Benzo(b)fluoranthene	19.95	252	55907m	5.65	ng	
88) Benzo(k)fluoranthene	19.98	252	23874m	2.50	ng	
89) Benzo(a)pyrene	20.30	252	40619	4.45	ng	# 92
91) Benzo(g,h,i)perylene	22.09	276	19237	2.60	ng	93

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

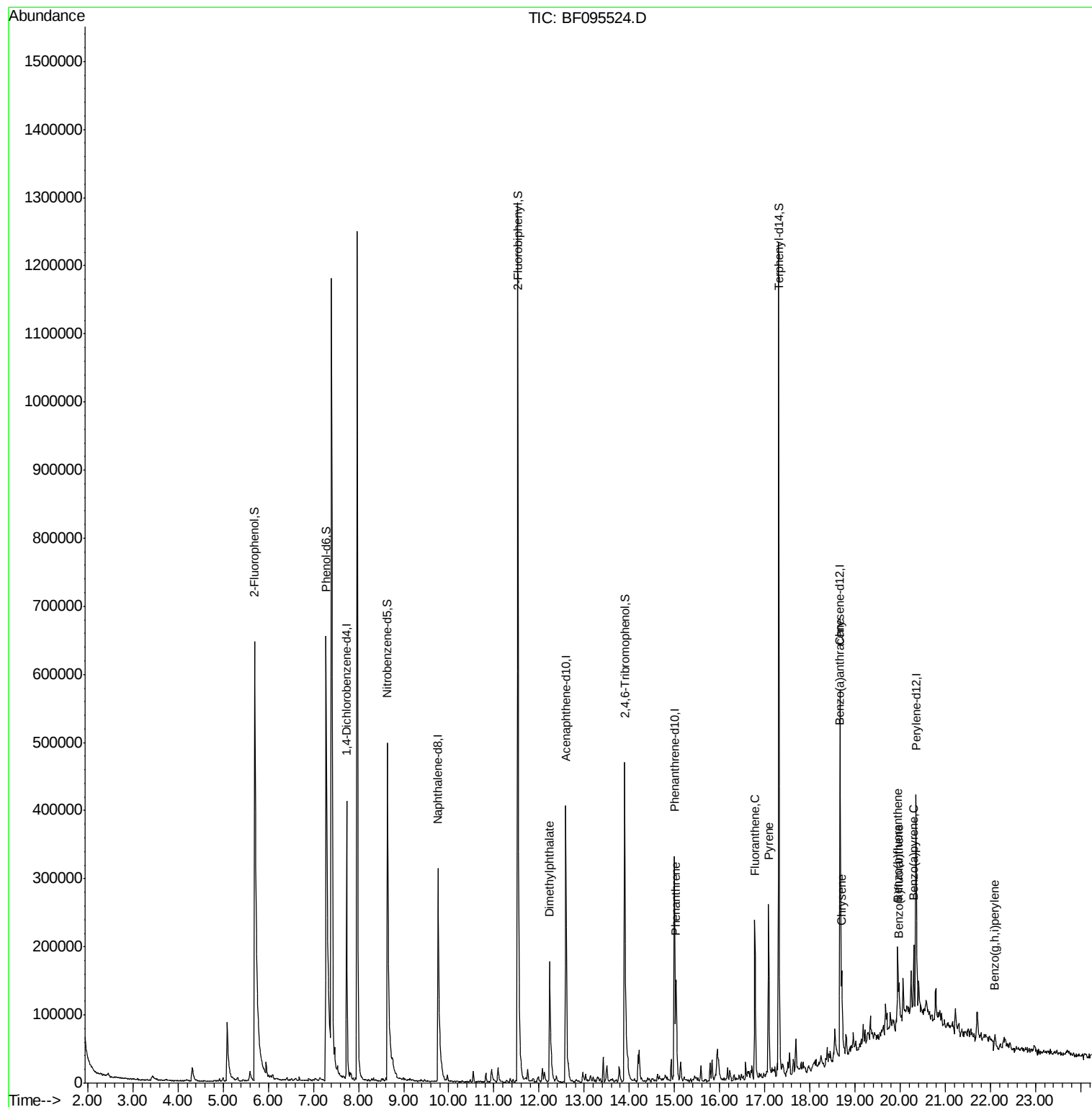
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
Data File : BF095524.D
Acq On : 28 May 2017 5:51
Operator : SJ/MA
Sample : I3281-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM

Quant Time: May 29 04:18:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration





#1

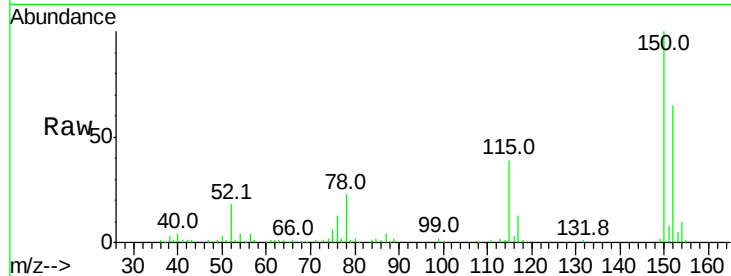
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	59.4	52.2	78.2

Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM

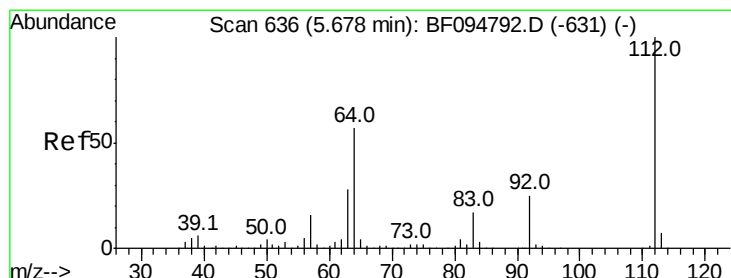
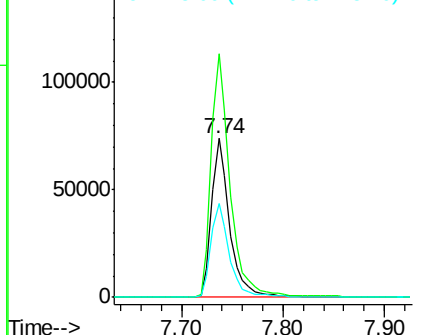
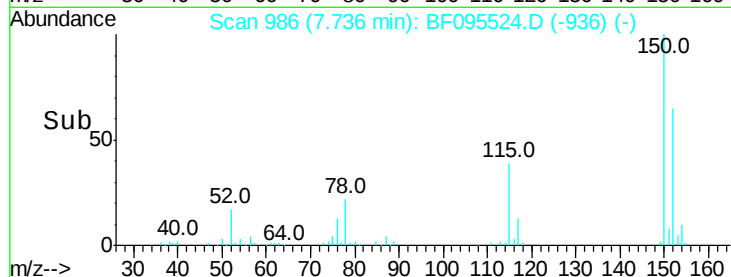


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

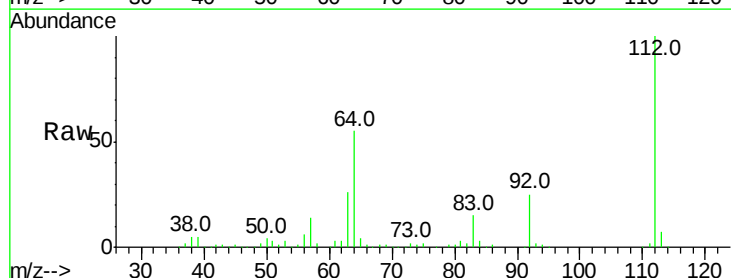
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.28 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	25.8	23.4	35.0

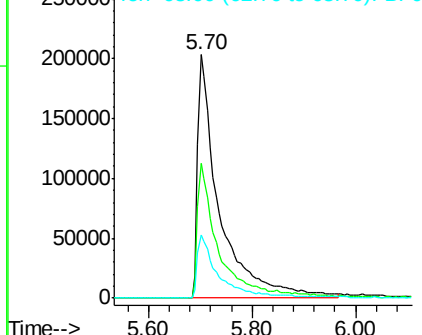
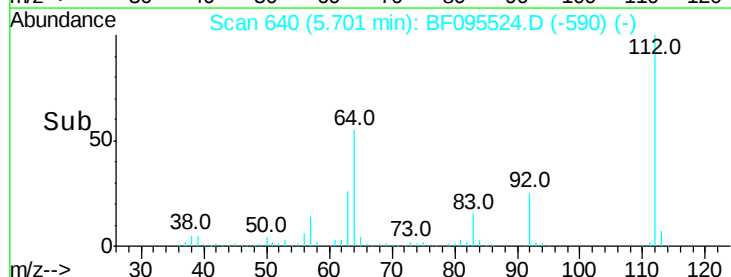


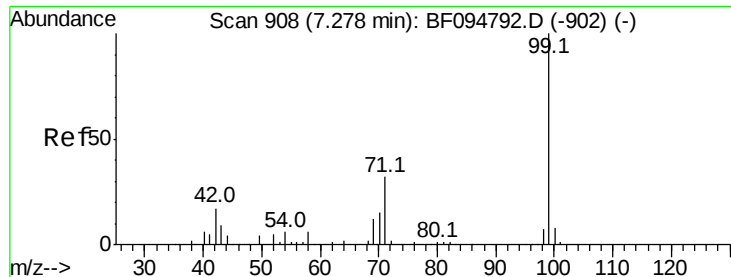
Abundance

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: 103.96 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

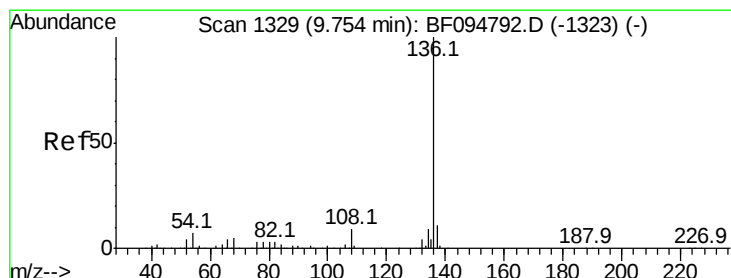
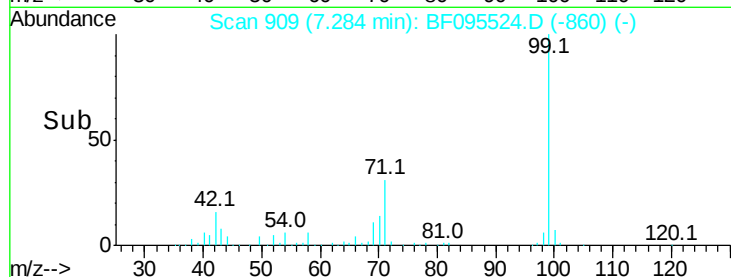
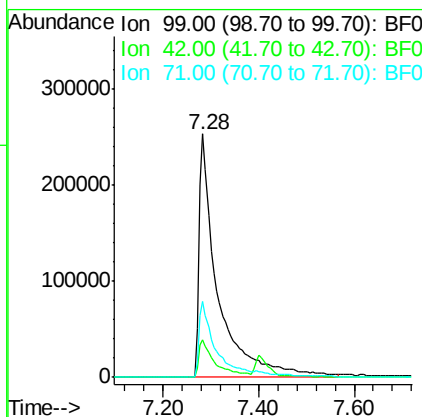
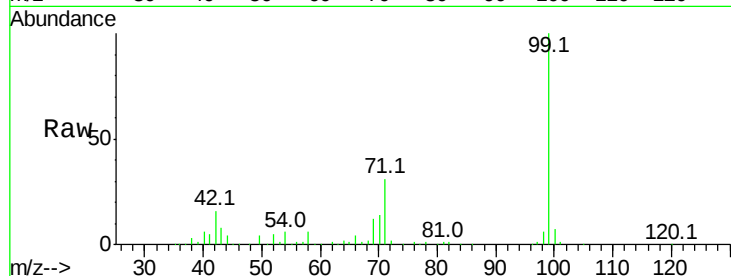
ClientSampleId :

R1-TP13-SS5

Tot Ion:	99	Resp:	694782
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	31.1	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM



#21

Naphthalene-d8

Concen: 20.00 ng

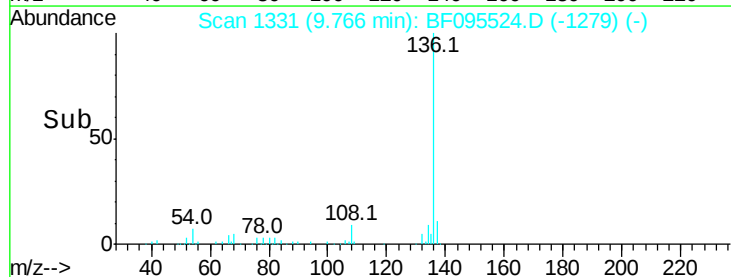
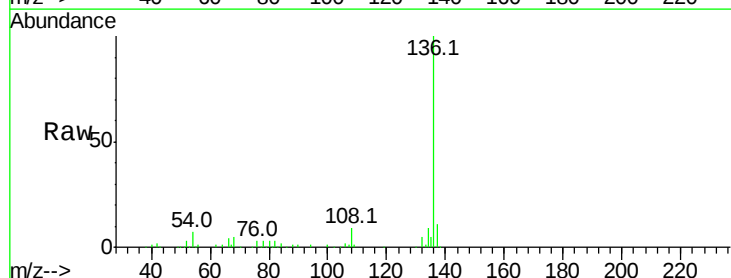
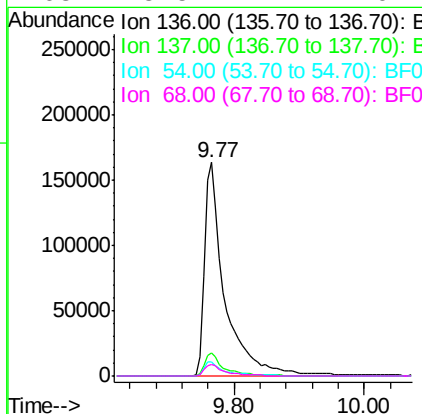
RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Tgt Ion:	136	Resp:	352348
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.8	4.9	7.3
68	5.5	4.1	6.1





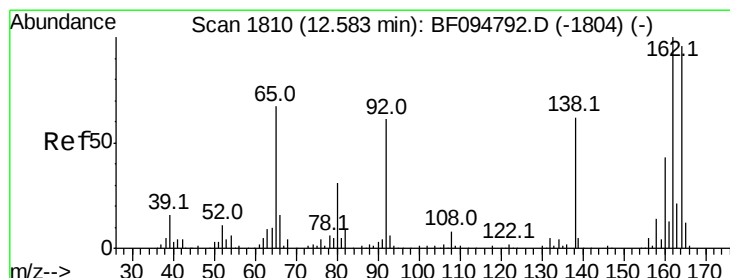
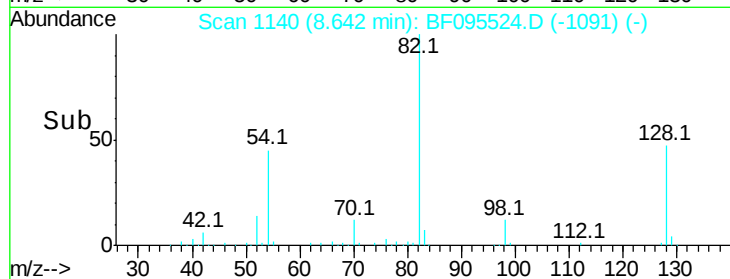
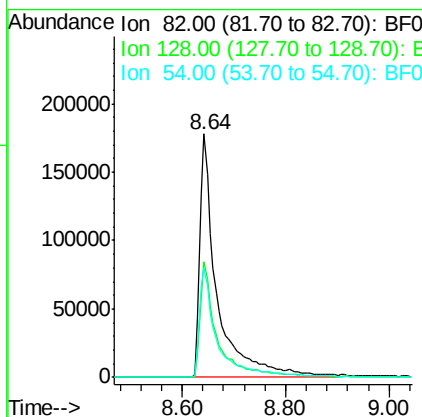
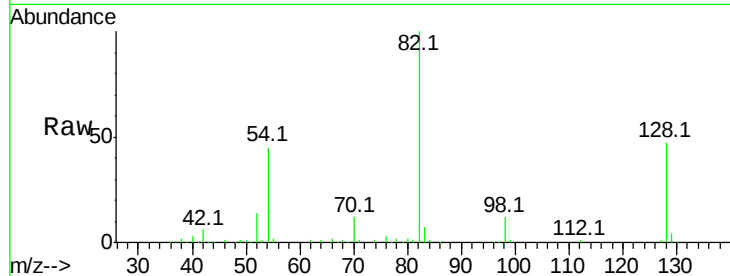
#23
Nitrobenzene-d5
Concen: 73.78 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	44.9	42.2	63.2

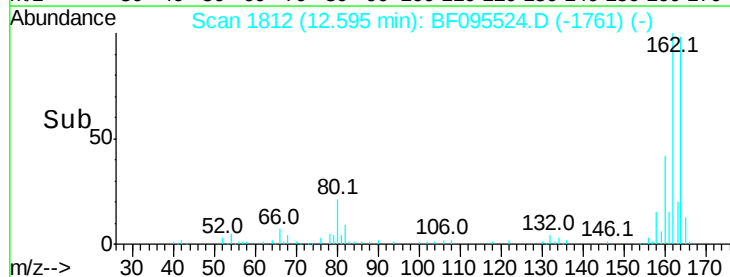
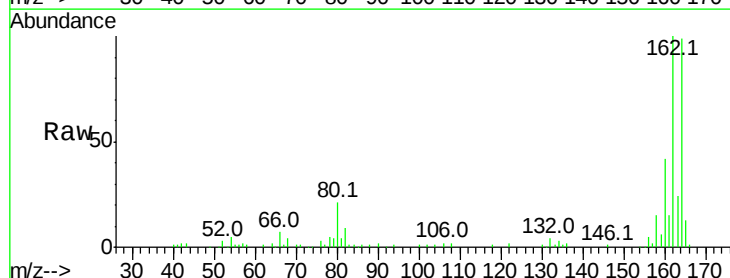
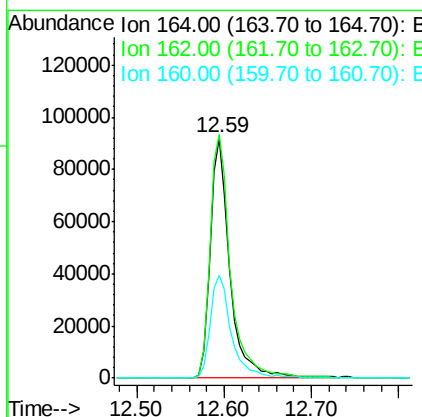
Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	43.1	36.2	54.2





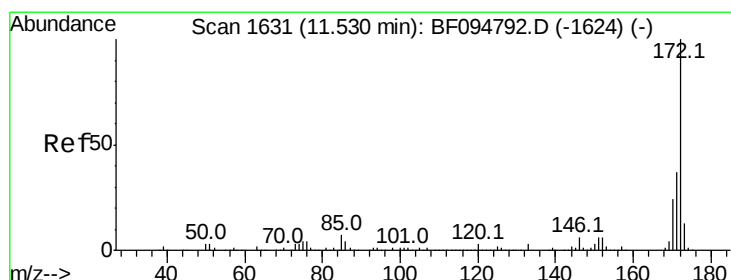
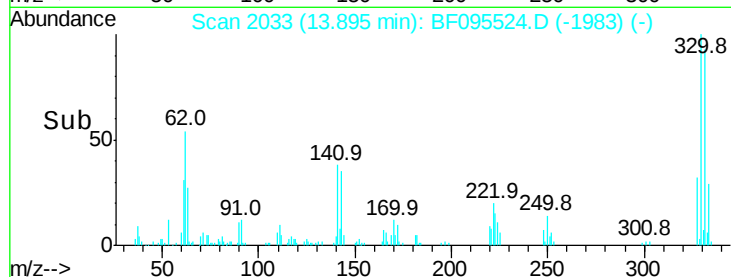
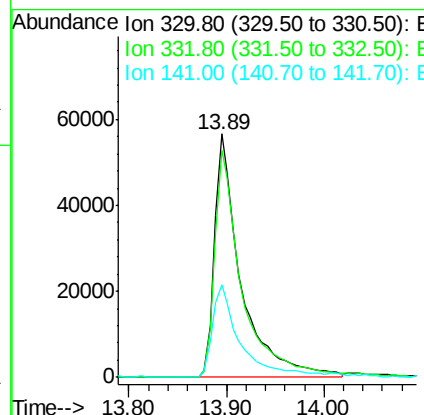
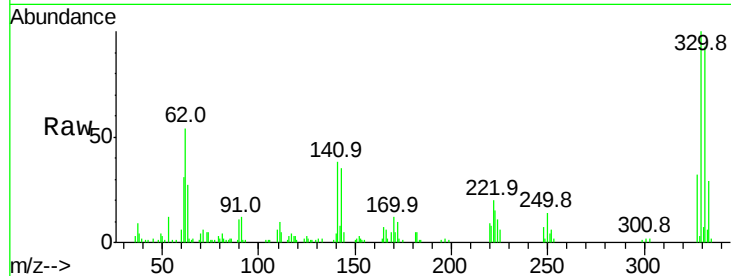
#41
 2,4,6-Tribromophenol
 Concen: 91.20 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP13-SS5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	106880		
332	97.3	76.6	115.0	
141	40.7	31.4	47.2	

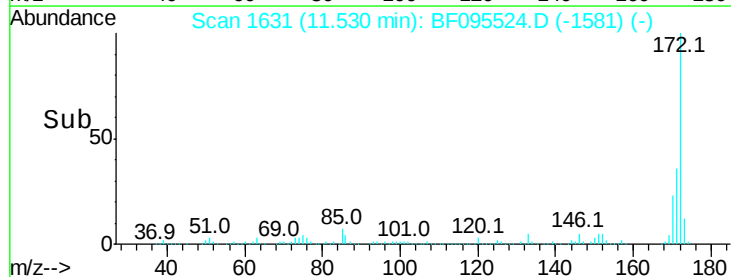
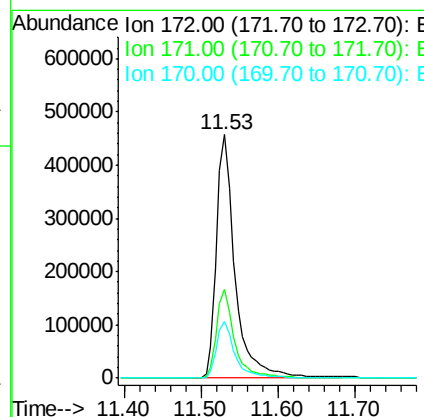
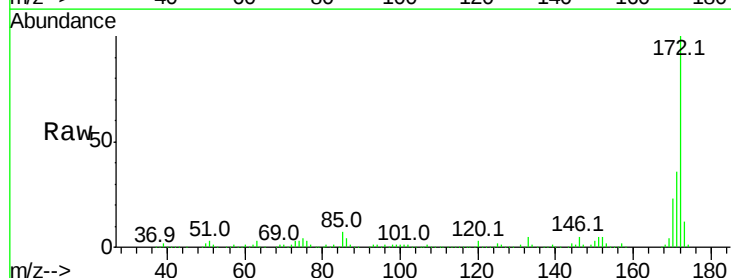
Manual Integrations
 APPROVED

mohammad
 5/31/2017 1:05:09 PM



#44
 2-Fluorobiphenyl
 Concen: 76.89 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	764499		
171	36.2	29.6	44.4	
170	23.2	19.8	29.8	





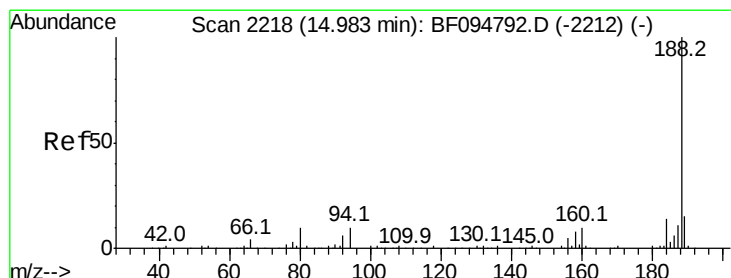
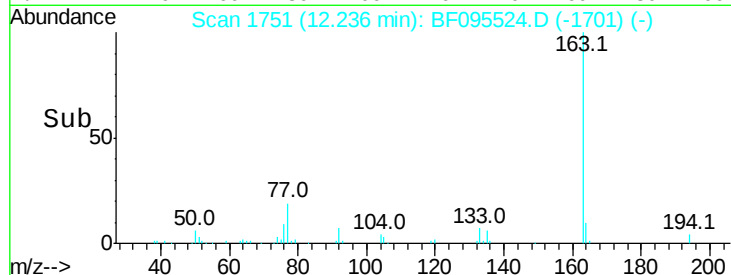
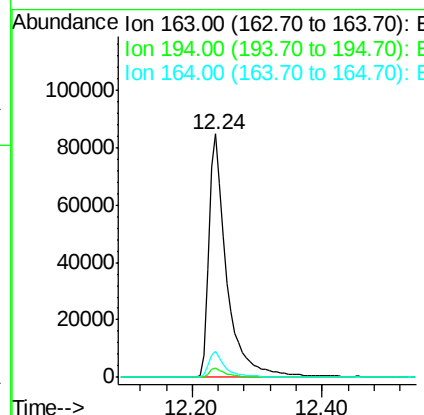
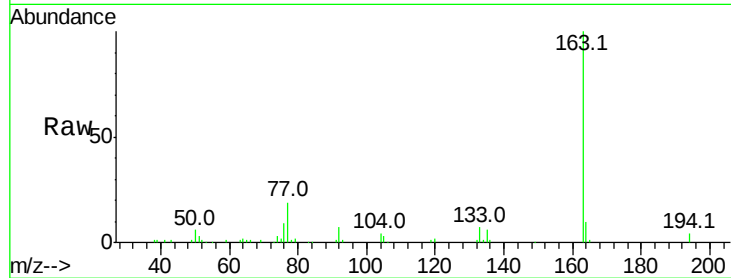
#49
Dimethylphthalate
Concen: 13.73 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	161326		
194	3.7	2.6	4.0	
164	10.4	8.4	12.6	

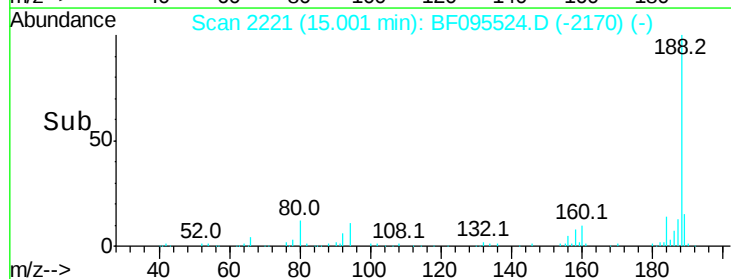
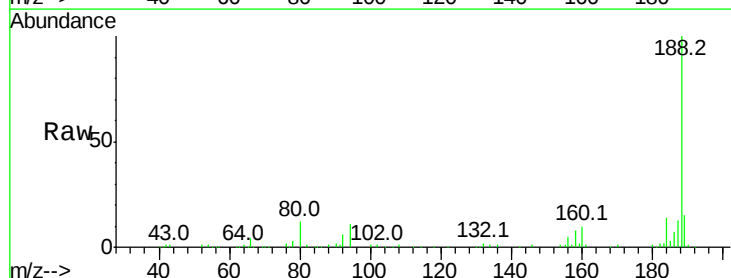
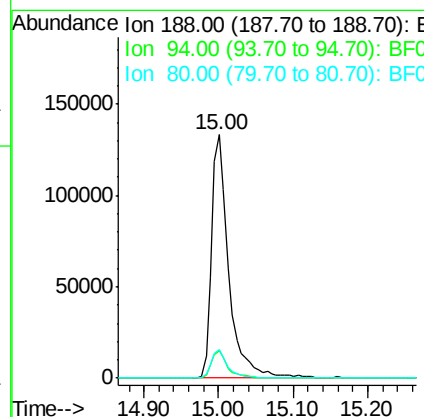
Manual Integrations
APPROVED

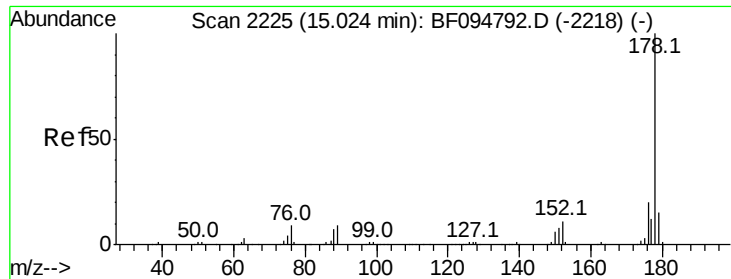
mohammad
5/31/2017 1:05:09 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	213945		
94	11.4	9.4	14.2	
80	11.5	10.2	15.2	





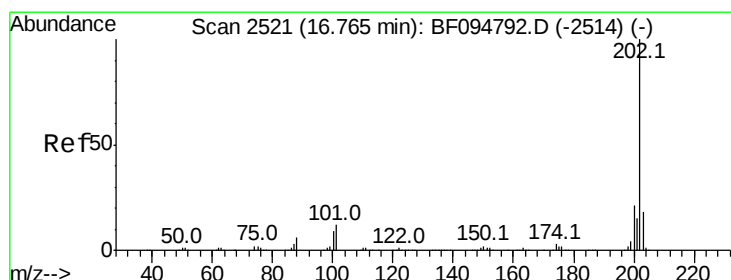
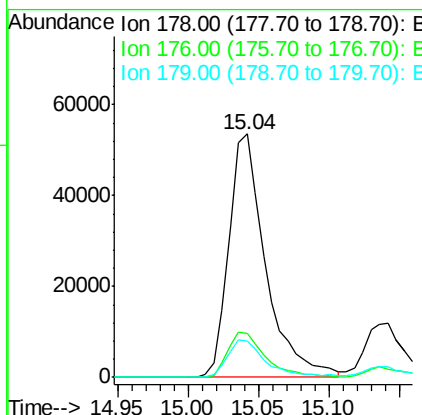
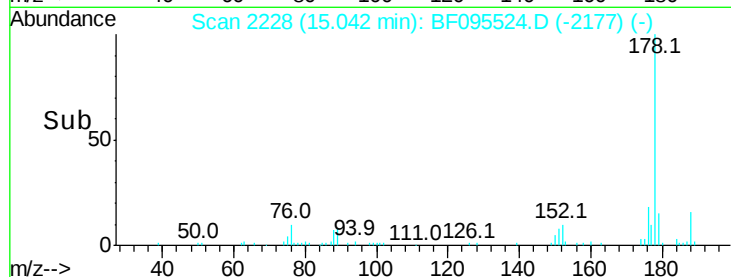
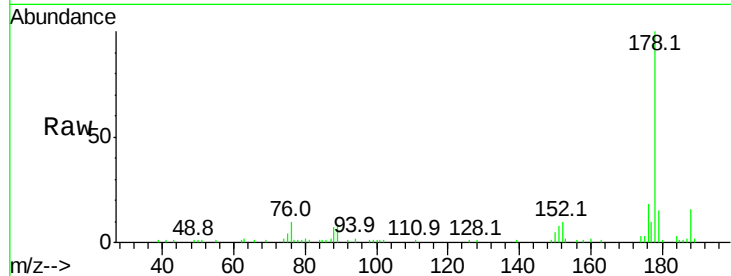
#70
Phenanthrene
Concen: 7.93 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	15.1	12.6	19.0

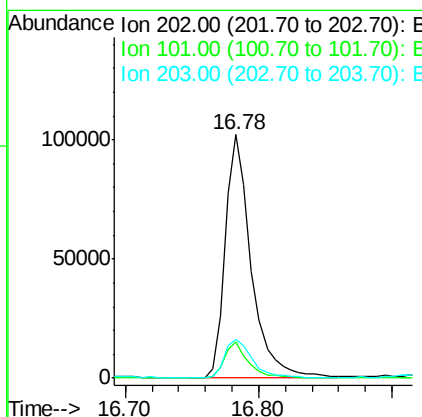
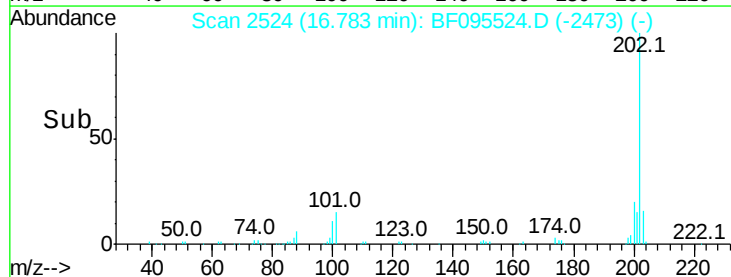
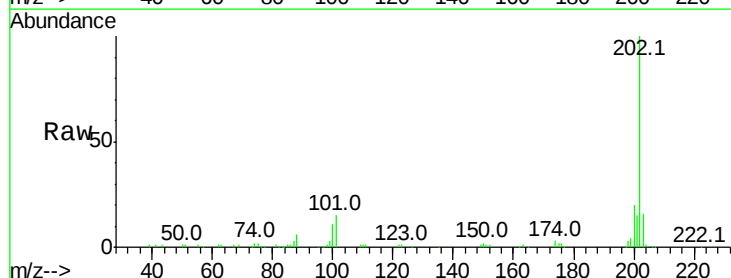
Manual Integrations
APPROVED

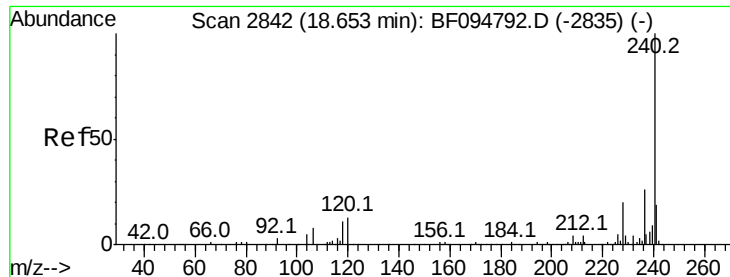
mohammad
5/31/2017 1:05:09 PM



#74
Fluoranthene
Concen: 11.12 ng
RT: 16.78 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	33.2
203	15.8	0.0	38.1





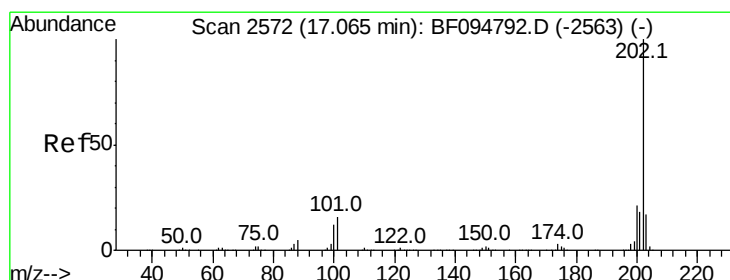
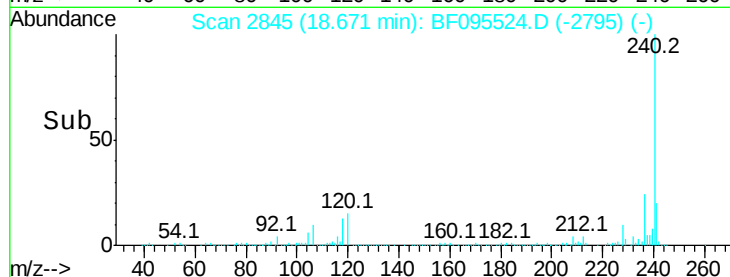
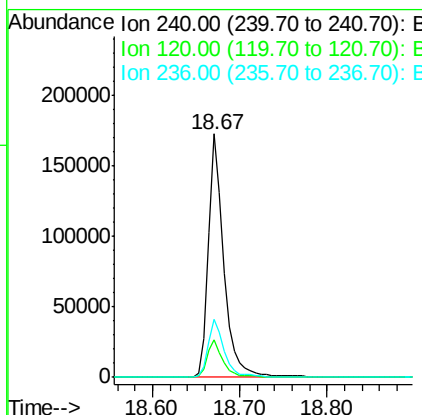
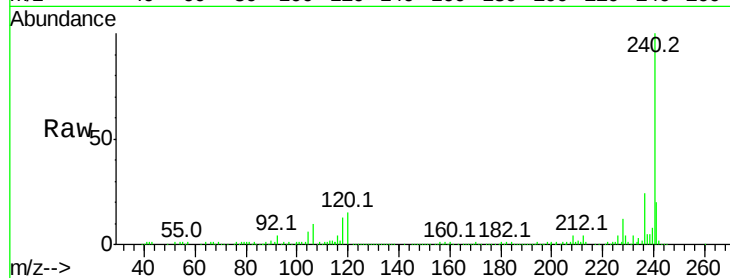
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP13-SS5

Tot Ion	Ratio	Resp	Lower	Upper
240	100	214536		
120	15.2	5.8	8.8#	
236	24.0	20.5	30.7	

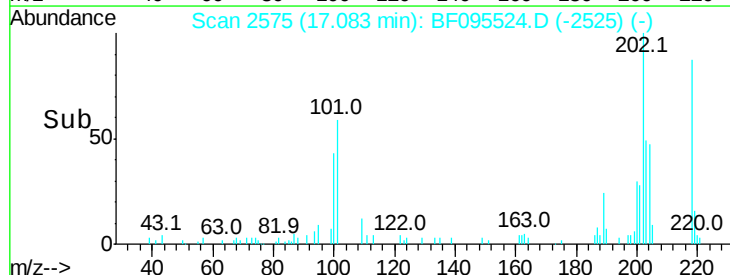
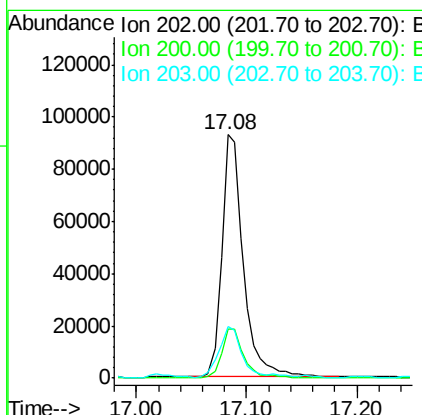
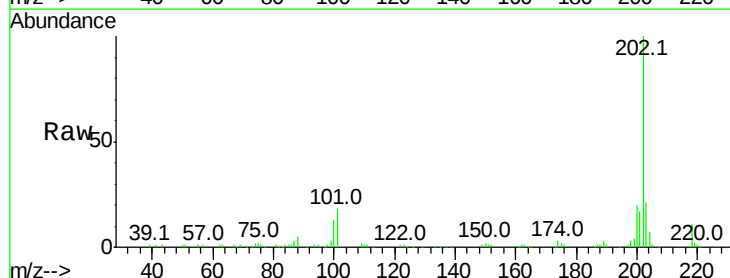
Manual Integrations
 APPROVED

mohammad
 5/31/2017 1:05:09 PM



#77
 Pyrene
 Concen: 7.81 ng
 RT: 17.08 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: BF095524.D
 Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	125358		
200	20.0	17.6	26.4	
203	21.0	14.4	21.6	





#78

Terphenyl-d14

Concen: 48.88 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

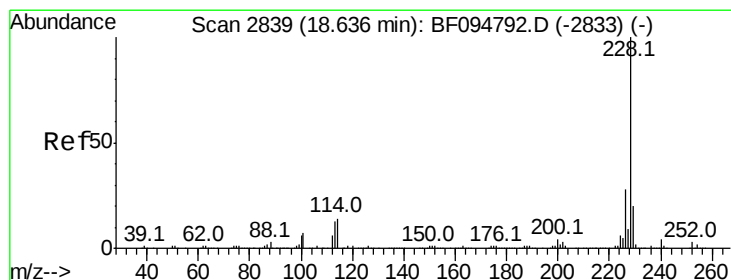
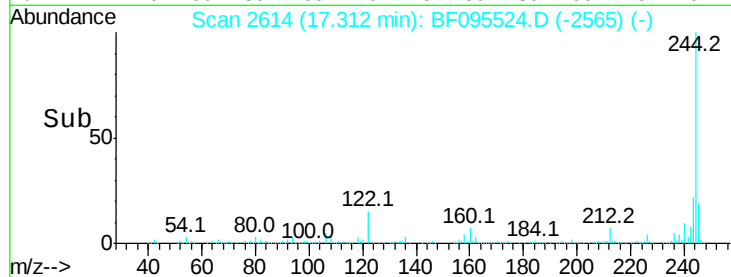
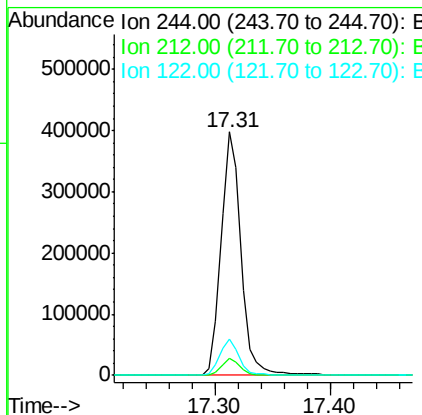
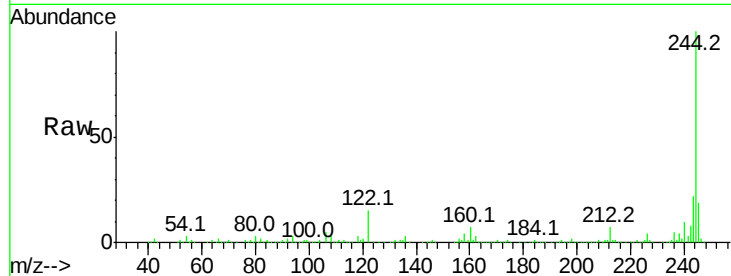
ClientSampled :

R1-TP13-SS5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.8	10.3	15.5

Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM



#80

Benzo(a)anthracene

Concen: 4.89 ng m

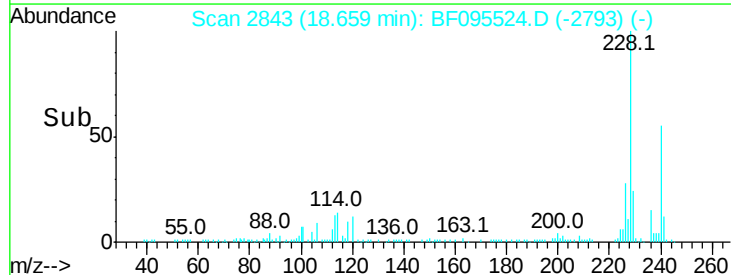
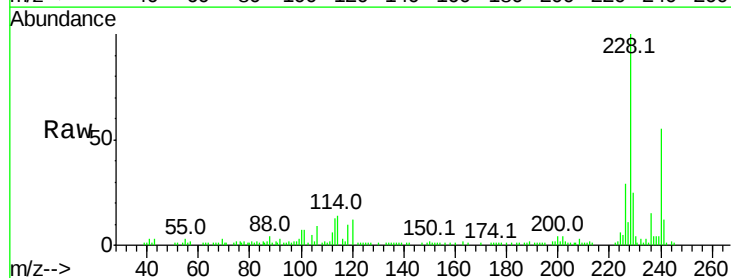
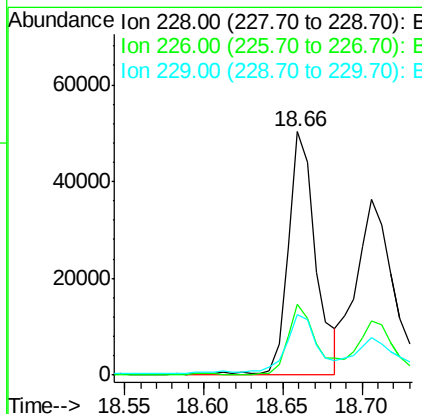
RT: 18.66 min Scan# 2843

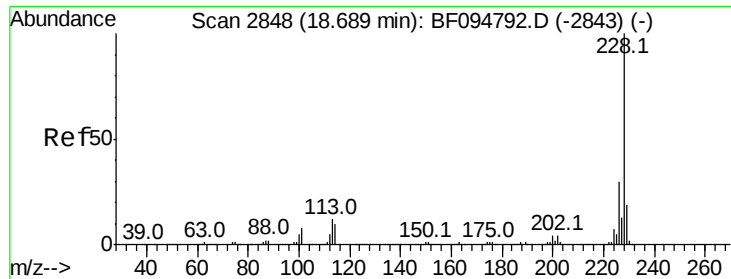
Delta R.T. -0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	24.8	16.3	24.5





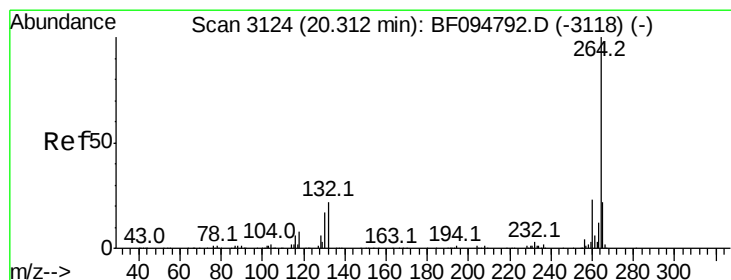
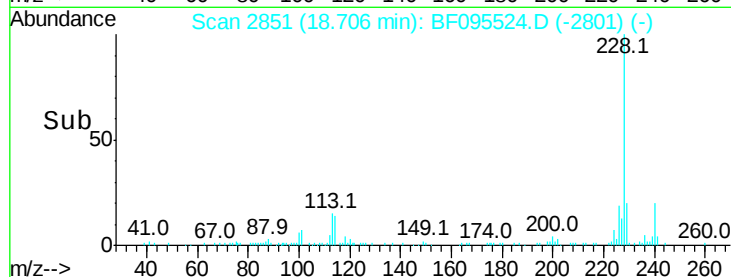
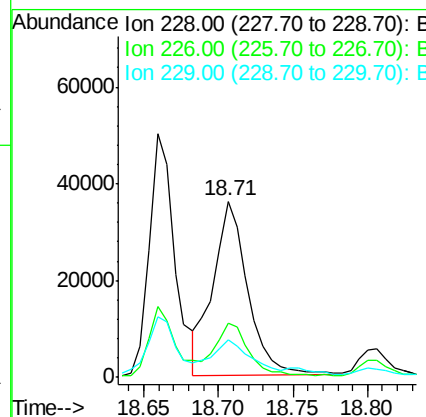
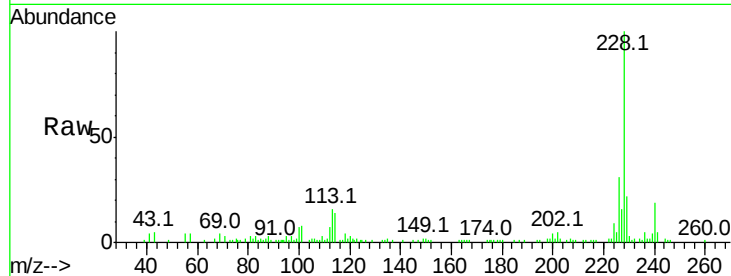
#82
Chrysene
Concen: 4.93 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.6	15.8	23.6

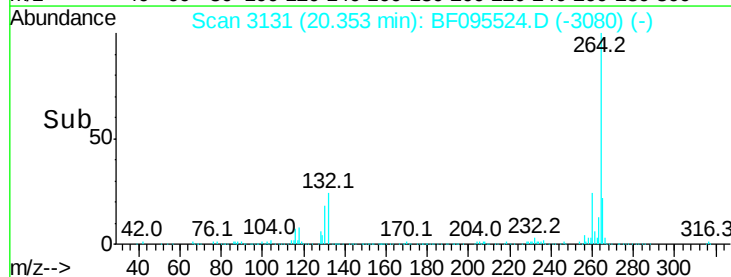
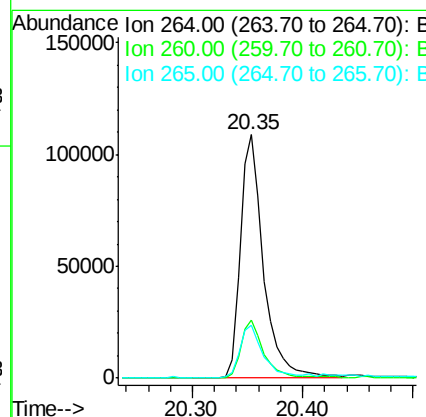
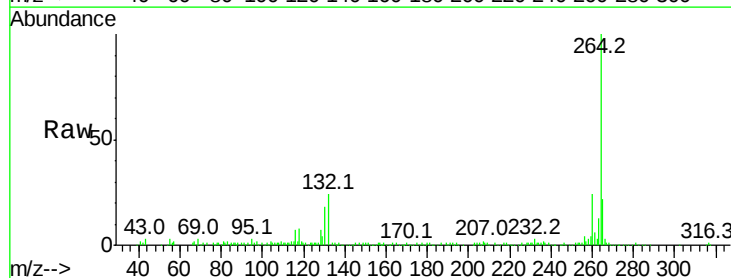
Manual Integrations
APPROVED

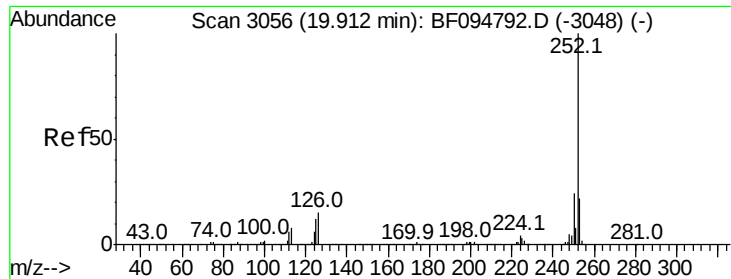
mohammad
5/31/2017 1:05:09 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.65 ng m

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Instrument :

BNA_F

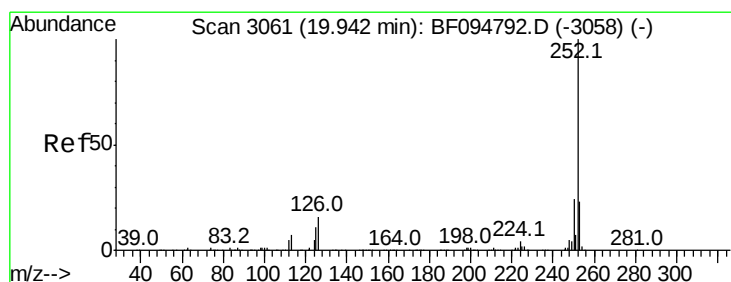
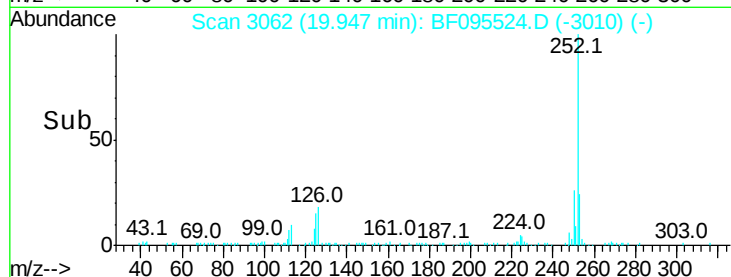
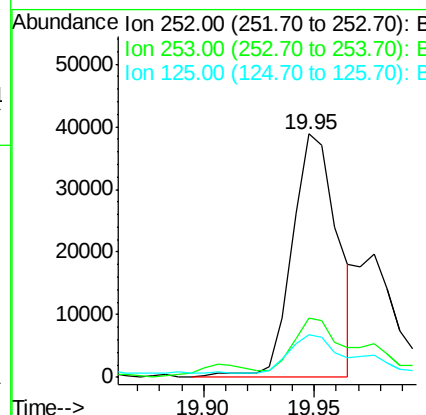
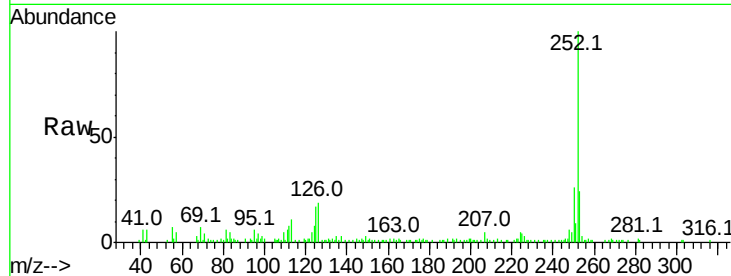
ClientSampleId :

R1-TP13-SS5

Tot Ion:	252	Resp:	55907
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	17.4	9.8	14.8#

Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM



#88

Benzo(k)fluoranthene

Concen: 2.50 ng m

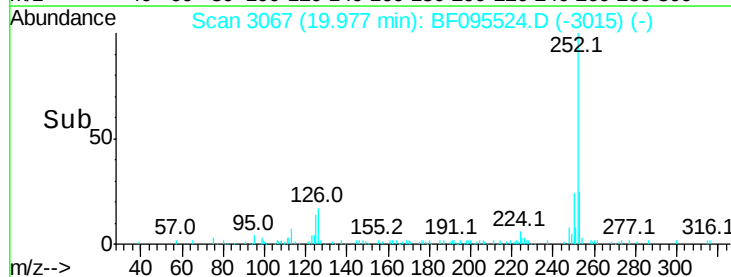
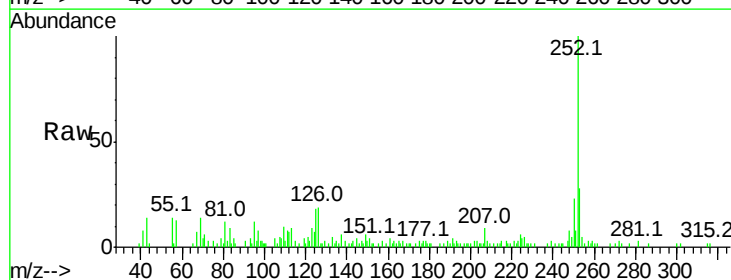
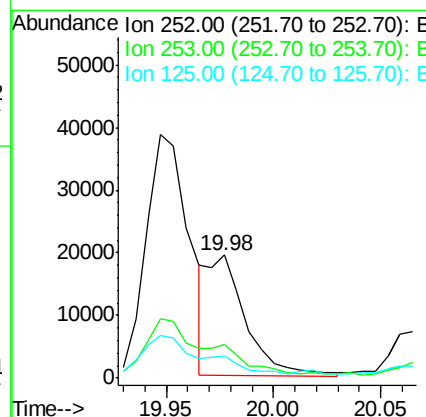
RT: 19.98 min Scan# 3067

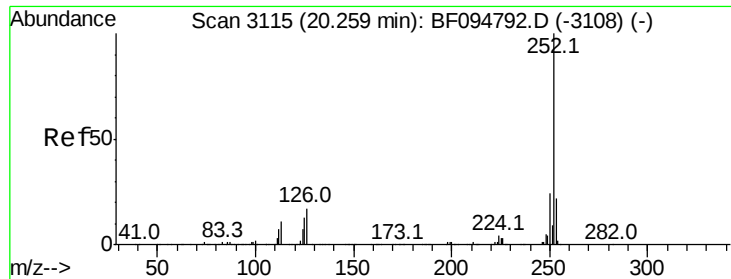
Delta R.T. 0.01 min

Lab File: BF095524.D

Acq: 28 May 2017 5:51

Tgt Ion:	252	Resp:	23874
Ion Ratio	Lower	Upper	
252	100		
253	27.7	18.4	27.6#
125	17.6	13.1	19.7





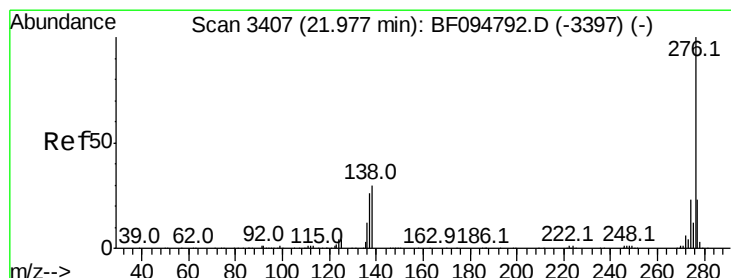
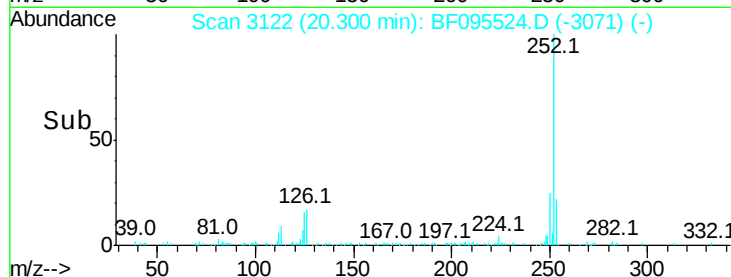
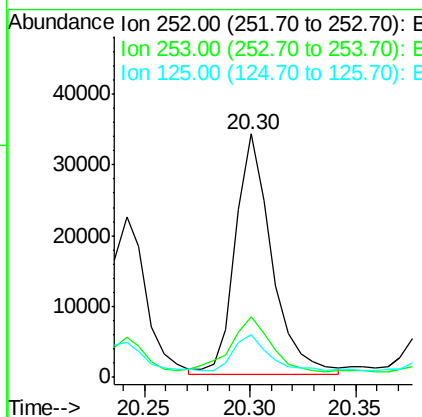
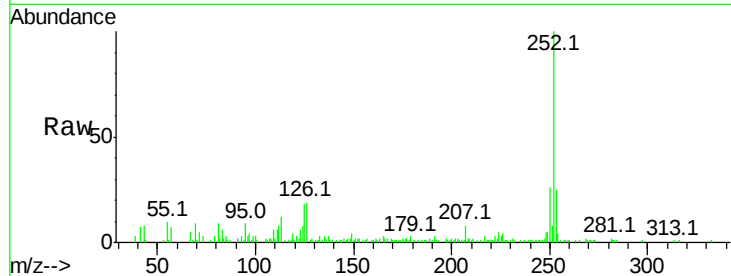
#89
Benzo(a)pyrene
Concen: 4.45 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	17.5	26.3
125	17.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/31/2017 1:05:09 PM



#91
Benzo(g,h,i)perylene
Concen: 2.60 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.02 min
Lab File: BF095524.D
Acq: 28 May 2017 5:51

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.6	18.6	28.0
138	34.9	25.4	38.0

