

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095806.D
 Acq On : 9 Jun 2017 3:27
 Operator : SJ/MA
 Sample : I3470-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-46-20170602

Manual Integrations
 APPROVED

mohammad
 6/9/2017 12:09:39 PM

Quant Time: Jun 09 05:07:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	70136	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	275955	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	113558	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	171821	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	138400	20.00	ng	-0.02
86) Perylene-d12	20.00	264	113156	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	72582	16.49	ng	0.00
7) Phenol-d6	6.95	99	93166	17.68	ng	-0.01
23) Nitrobenzene-d5	8.29	82	52949	11.92	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	15410	15.34	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	101756	12.47	ng	-0.04
78) Terphenyl-d14	16.99	244	64246	11.52	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	14.65	178	60846	6.14	ng	97
74) Fluoranthene	16.43	202	101833	10.38	ng	98
77) Pyrene	16.73	202	105401	10.21	ng	97
80) Benzo(a)anthracene	18.32	228	46290	5.75	ng	92
82) Chrysene	18.36	228	47298	5.88	ng	99
85) Indeno(1,2,3-cd)pyrene	21.17	276	24247	3.52	ng	100
87) Benzo(b)fluoranthene	19.60	252	51536m	7.27	ng	
88) Benzo(k)fluoranthene	19.63	252	18026m	2.66	ng	
89) Benzo(a)pyrene	19.94	252	37858	5.81	ng	# 93
91) Benzo(g,h,i)perylene	21.51	276	23675	4.20	ng	96

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

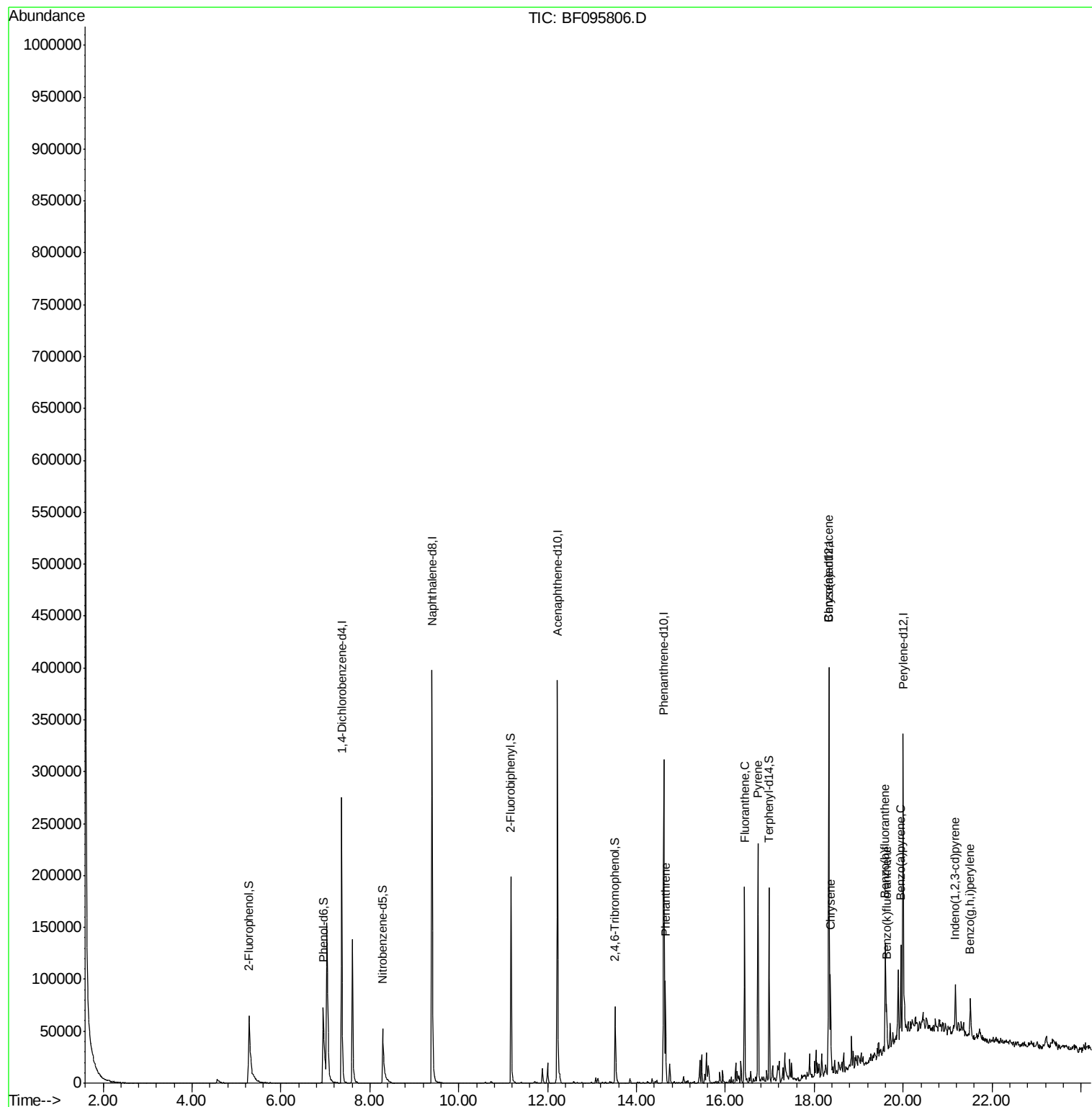
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095806.D
Acq On : 9 Jun 2017 3:27
Operator : SJ/MA
Sample : I3470-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

Manual Integrations
APPROVED

mohammad
6/9/2017 12:09:39 PM

Quant Time: Jun 09 05:07:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





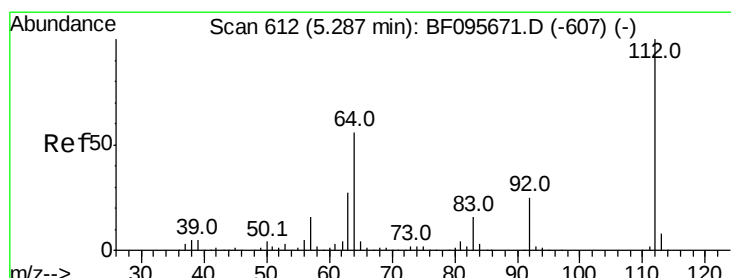
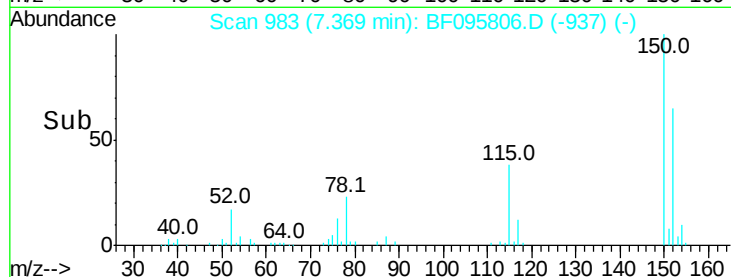
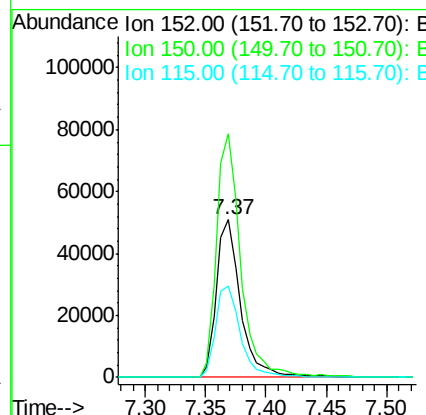
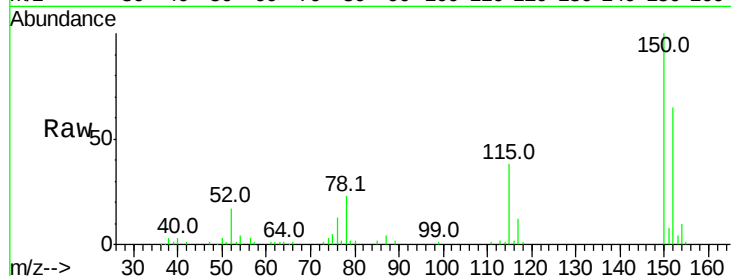
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.37 min Scan# 983
 Delta R.T. -0.03 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-46-20170602

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	58.4	52.2	78.2

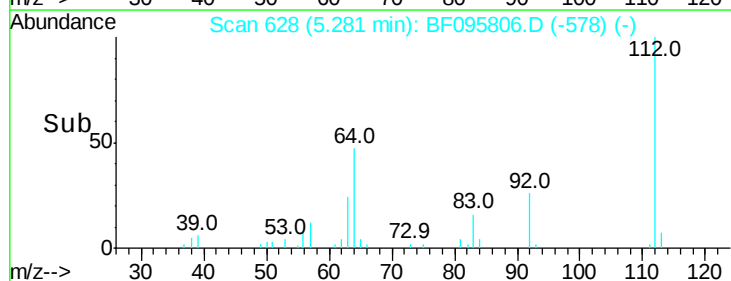
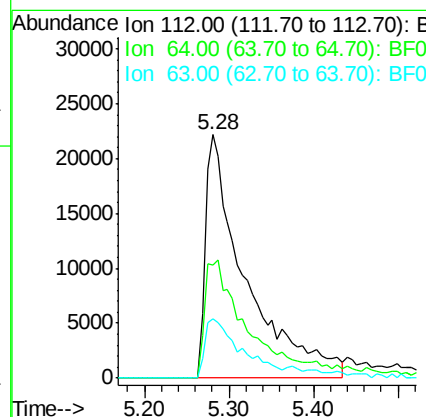
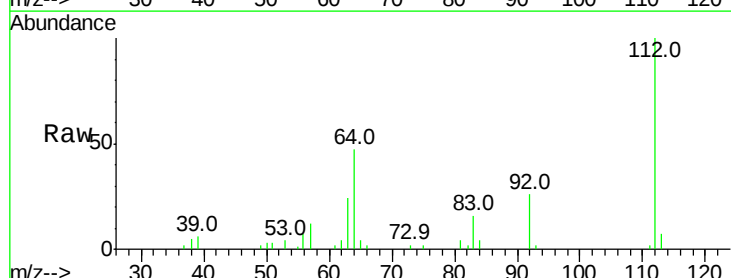
Manual Integrations
 APPROVED

mohammad
 6/9/2017 12:09:39 PM



#5
 2-Fluorophenol
 Concen: 16.49 ng
 RT: 5.28 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.5	46.0	69.0
63	24.3	23.4	35.0





#7

Phenol-d6

Concen: 17.68 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Instrument :

BNA_F

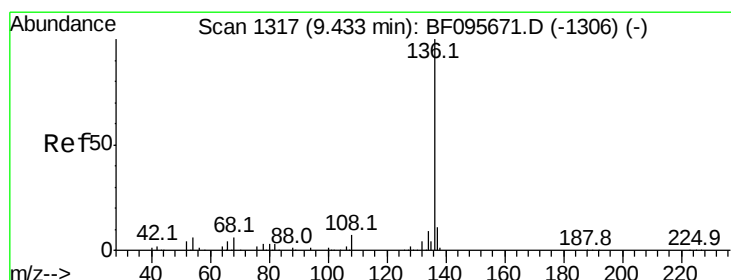
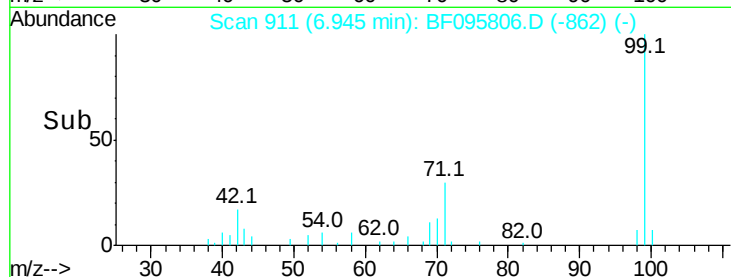
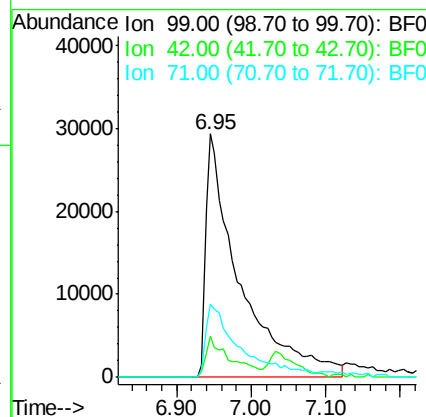
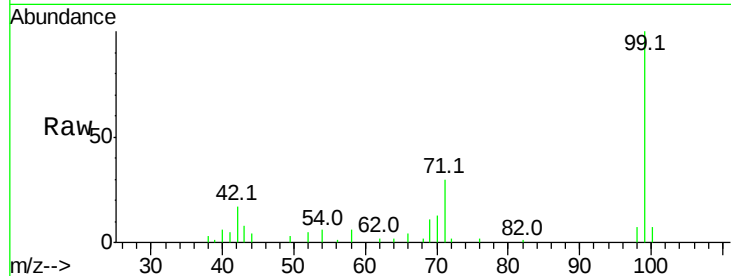
ClientSampleId :

POSTEX-46-20170602

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		93166		
42	16.8	13.5	20.3		
71	30.2	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/9/2017 12:09:39 PM



#21

Naphthalene-d8

Concen: 20.00 ng

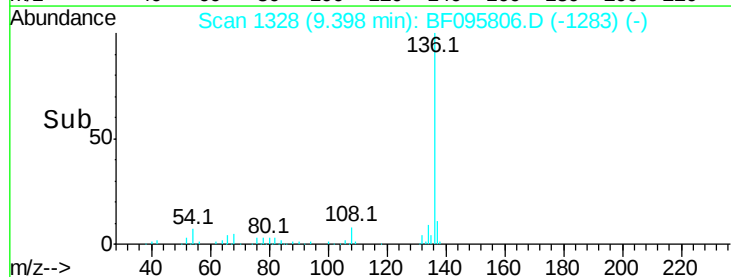
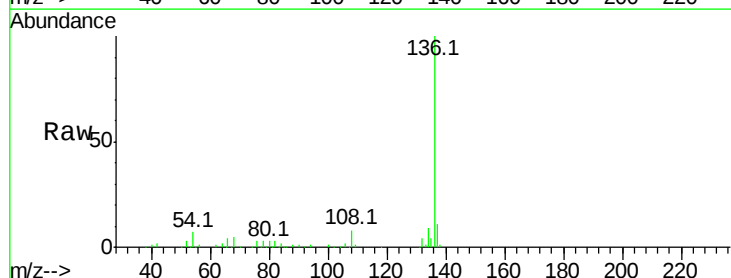
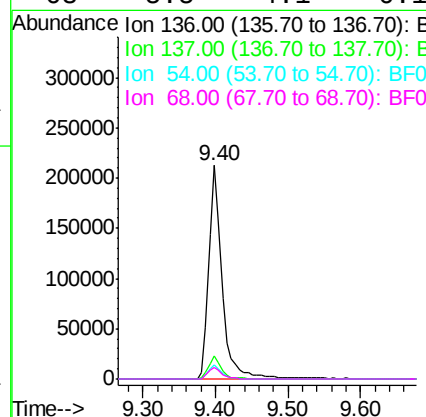
RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		275955		
137	10.9	8.5	12.7		
54	6.9	4.9	7.3		
68	5.5	4.1	6.1		





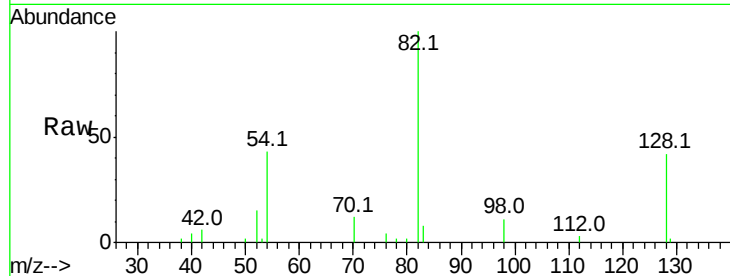
#23
Nitrobenzene-d5
Concen: 11.92 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

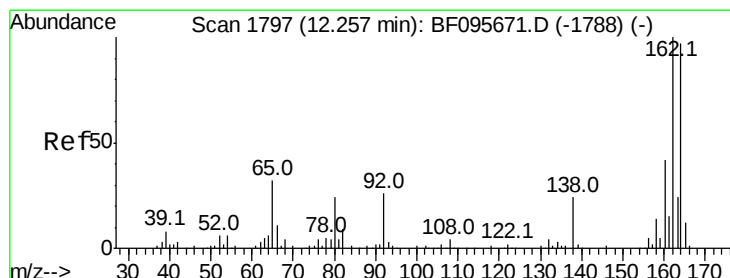
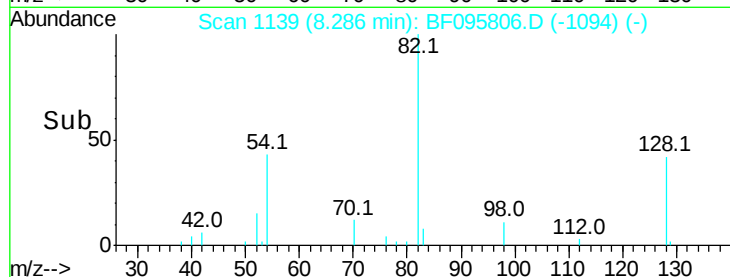
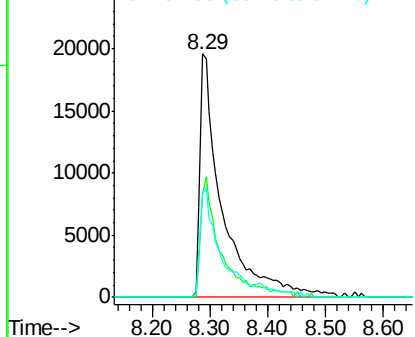
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.0	51.0
54	42.9	42.2	63.2

Manual Integrations
APPROVED

mohammad
6/9/2017 12:09:39 PM



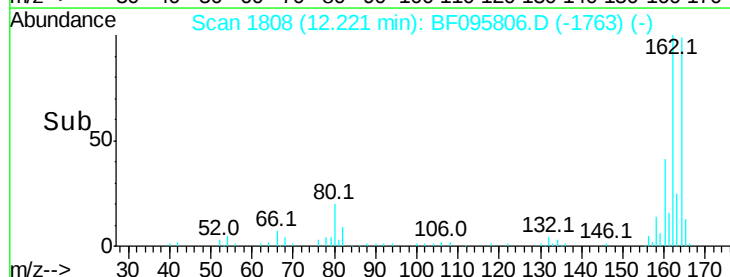
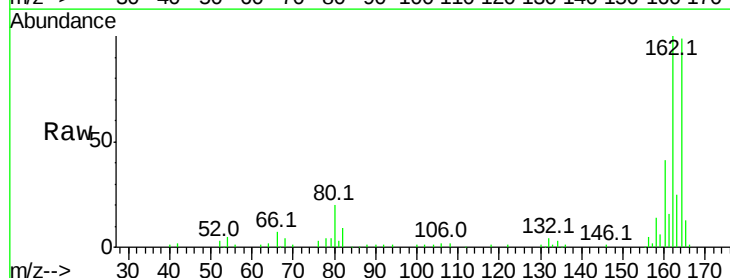
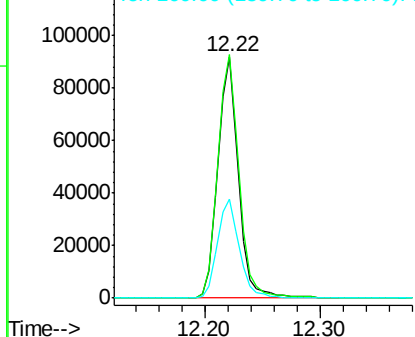
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	41.3	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





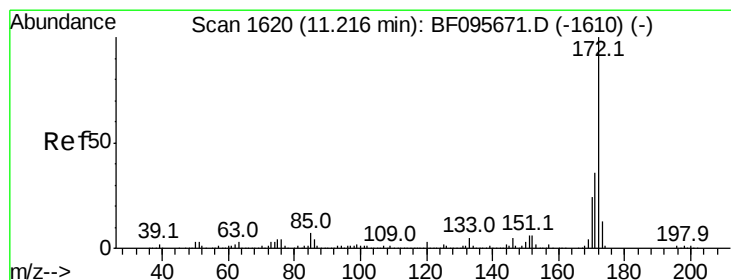
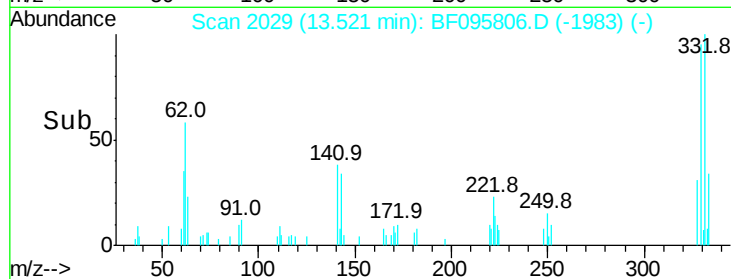
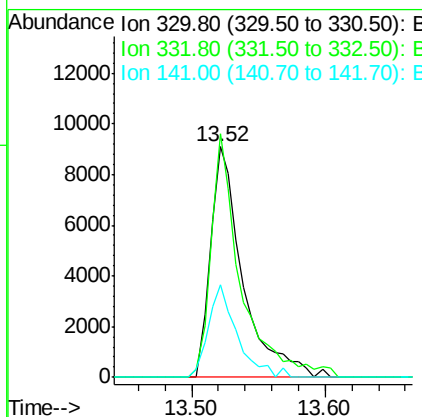
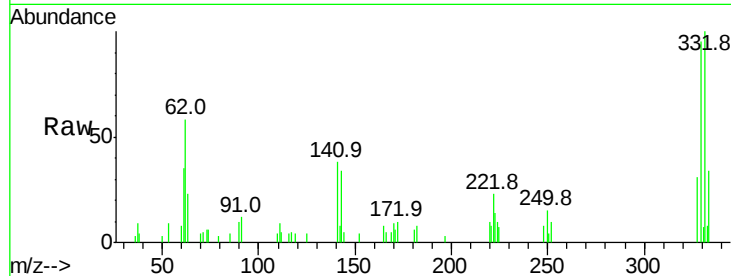
#41
 2,4,6-Tribromophenol
 Concen: 15.34 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-46-20170602

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	35.7	31.4	47.2

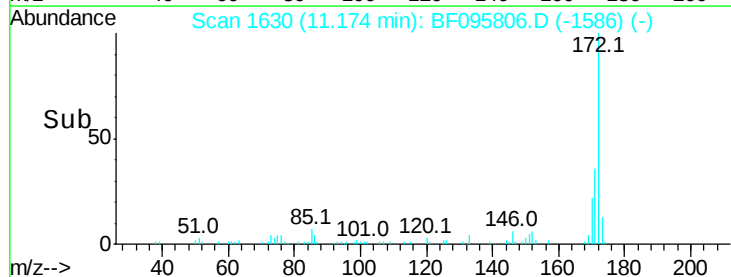
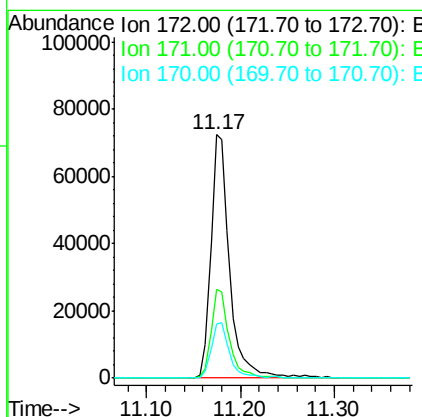
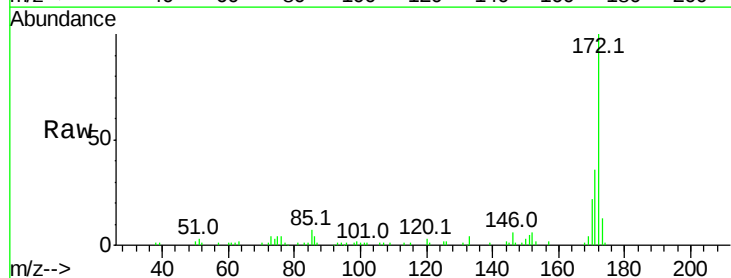
Manual Integrations
 APPROVED

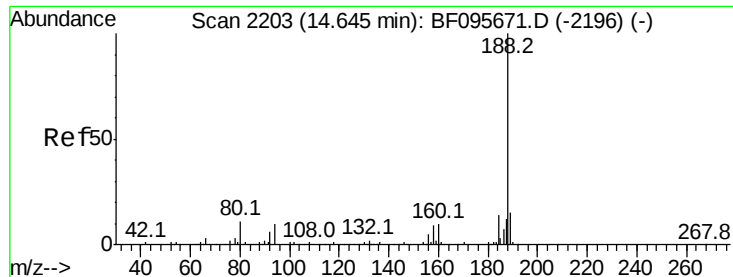
mohammad
 6/9/2017 12:09:39 PM



#44
 2-Fluorobiphenyl
 Concen: 12.47 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	22.2	19.8	29.8





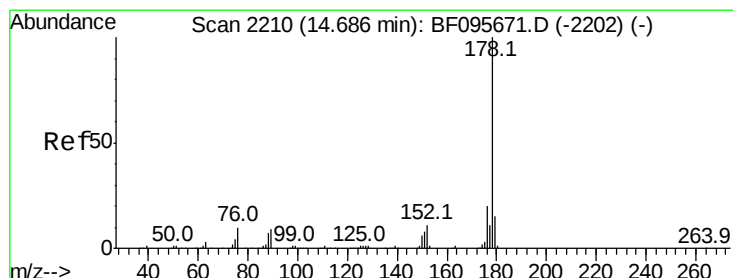
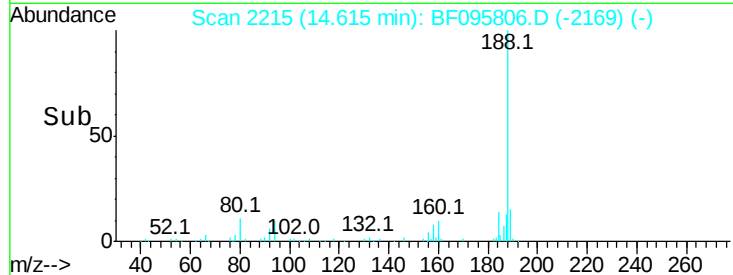
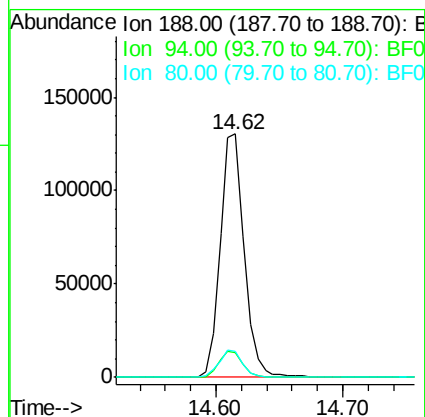
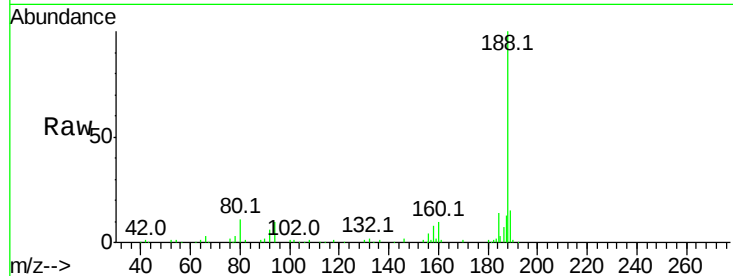
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.4	14.2
80	10.9	10.2	15.2

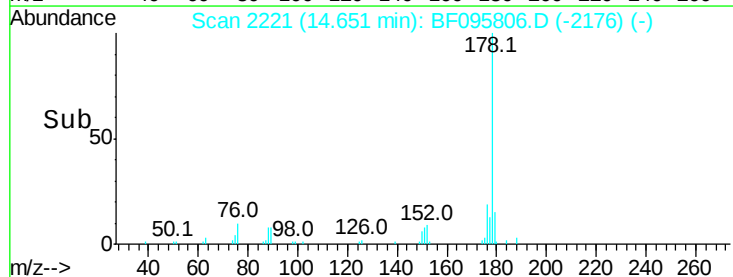
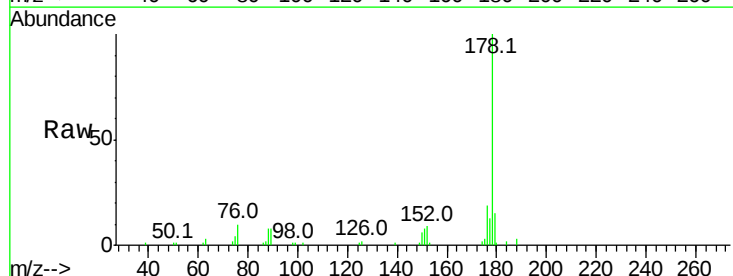
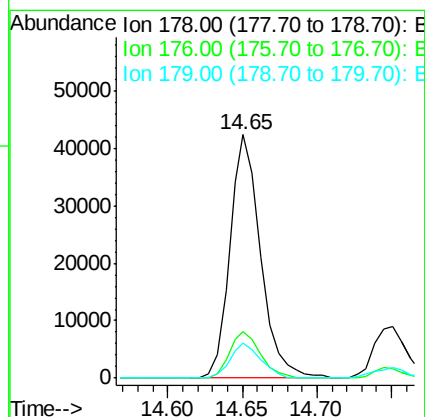
Manual Integrations
APPROVED

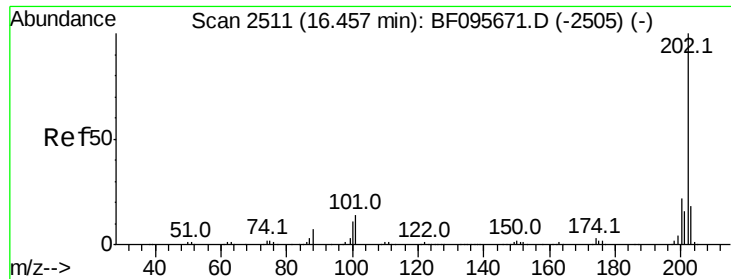
mohammad
6/9/2017 12:09:39 PM



#70
Phenanthrene
Concen: 6.14 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.2	24.4
179	14.5	12.6	19.0





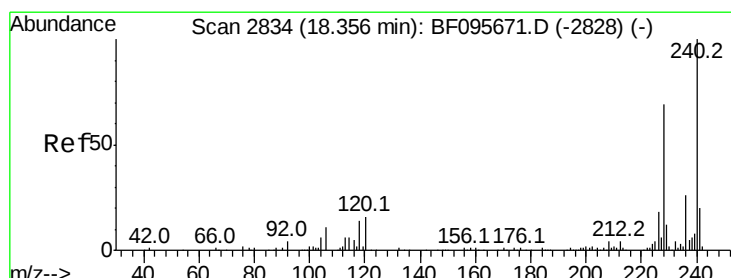
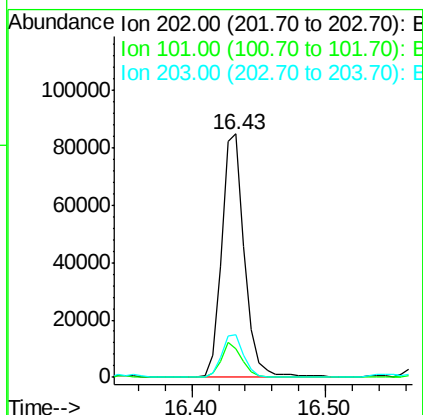
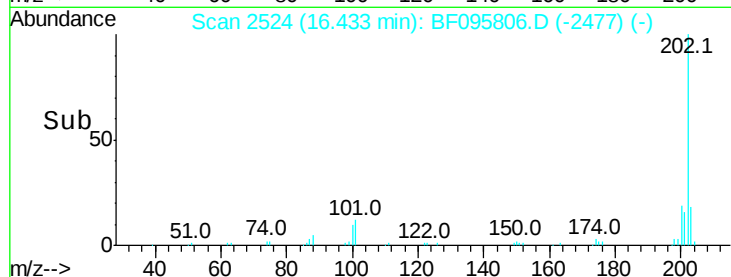
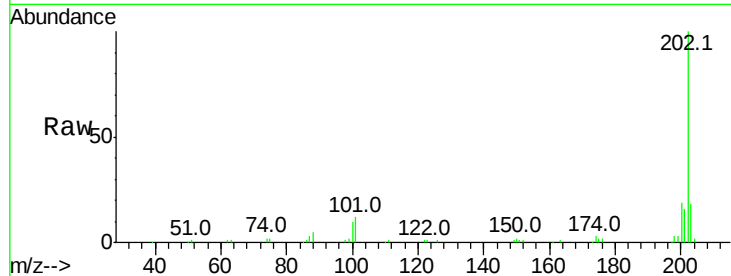
#74
Fluoranthene
 Concen: 10.38 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-46-20170602

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	33.2
203	17.7	0.0	38.1

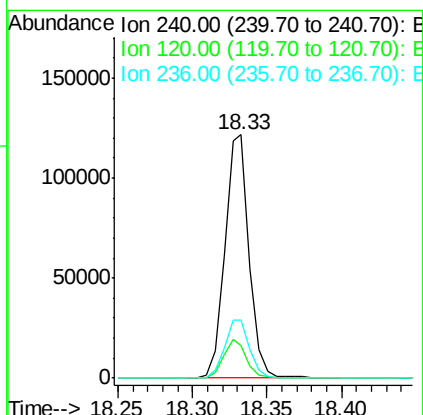
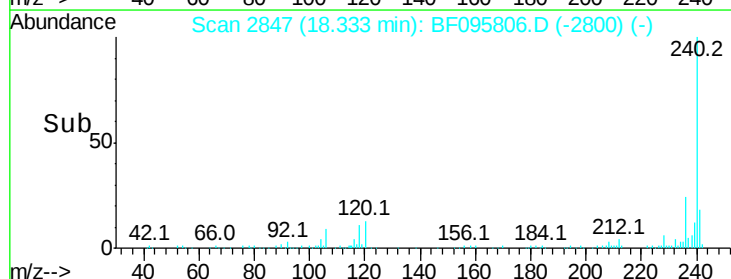
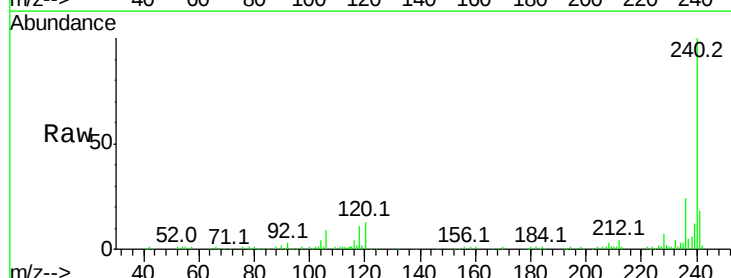
Manual Integrations
 APPROVED

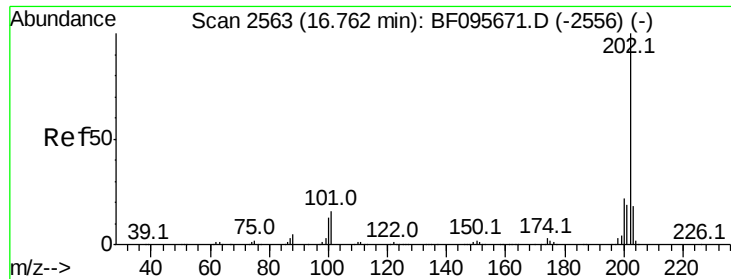
mohammad
 6/9/2017 12:09:39 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	23.9	20.5	30.7





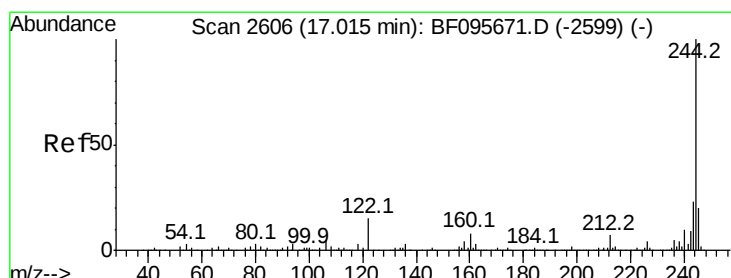
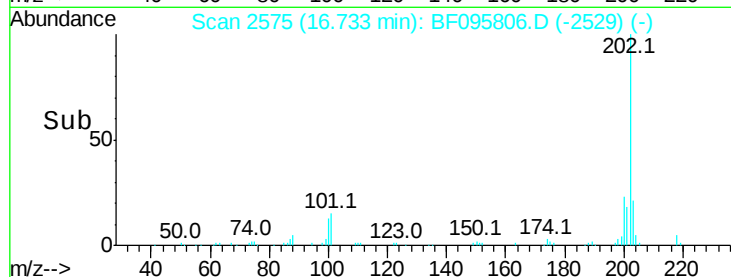
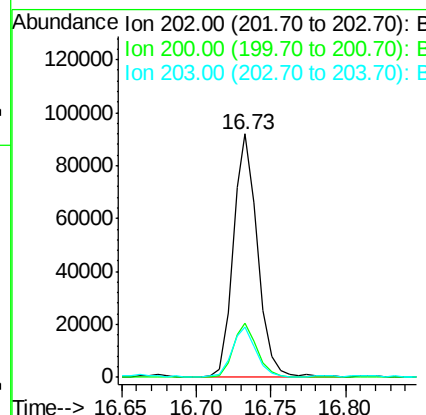
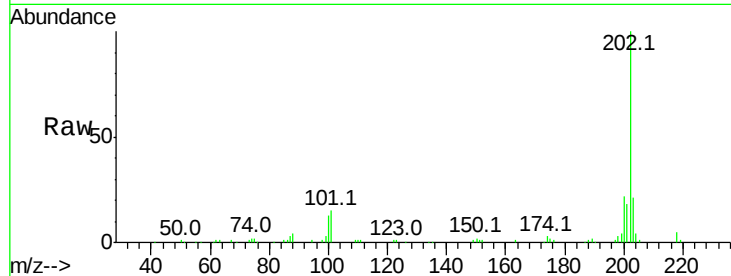
#77
Pvrene
Concen: 10.21 ng
RT: 16.73 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.5	17.6	26.4	
203	20.8	14.4	21.6	

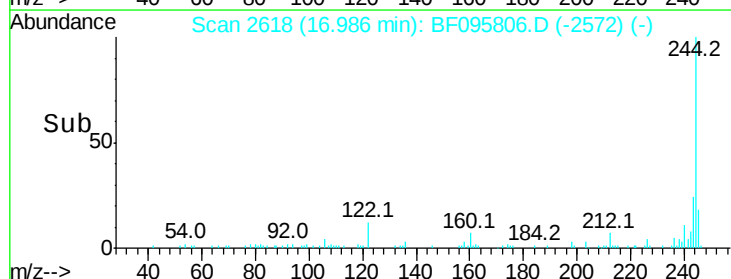
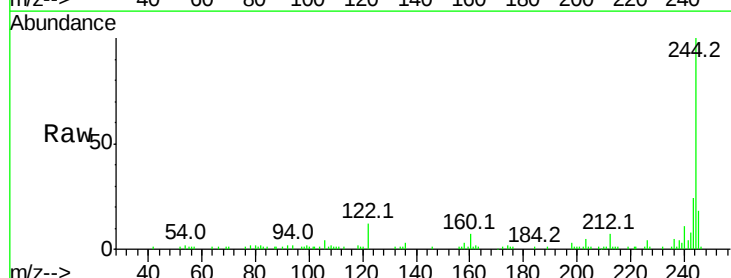
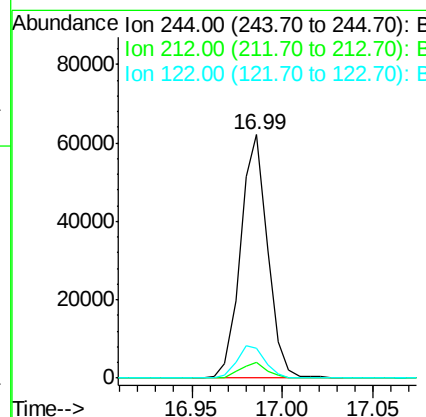
Manual Integrations
APPROVED

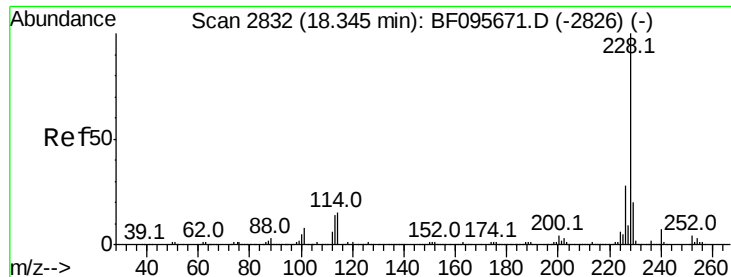
mohammad
6/9/2017 12:09:39 PM



#78
Terphenyl-d14
Concen: 11.52 ng
RT: 16.99 min Scan# 2618
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	6.0	9.0	
122	12.4	10.3	15.5	





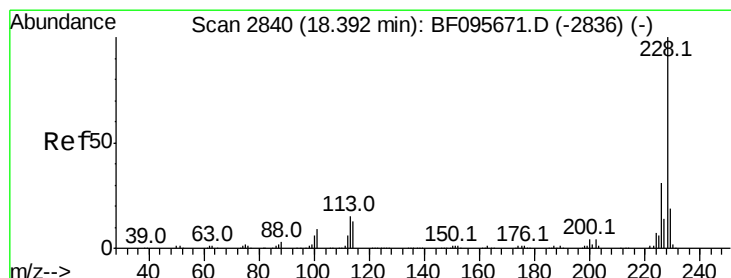
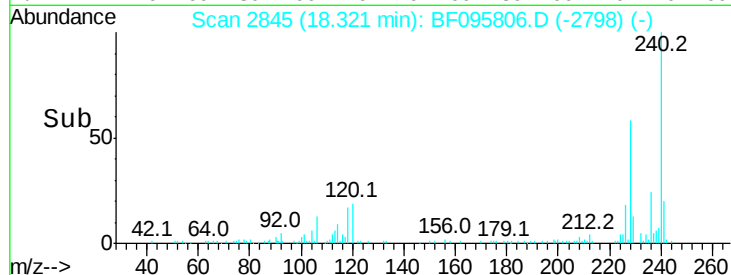
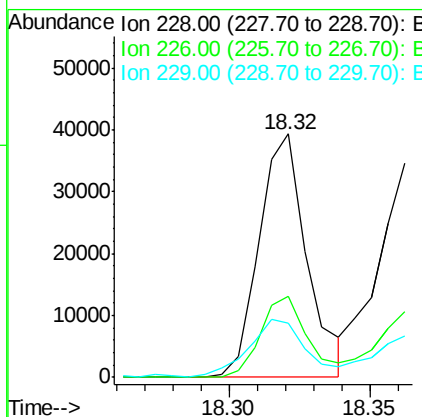
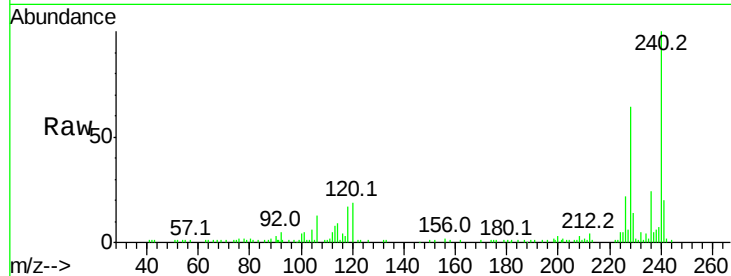
#80
Benzo(a)anthracene
Concen: 5.75 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	22.4	16.3	24.5

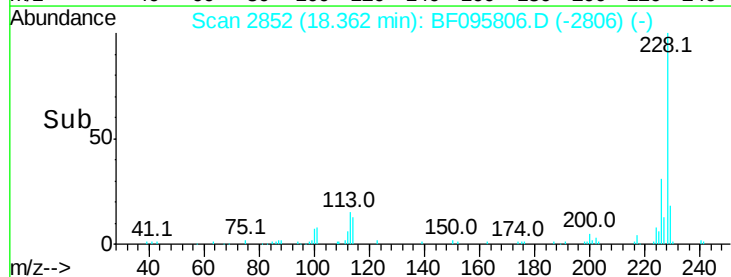
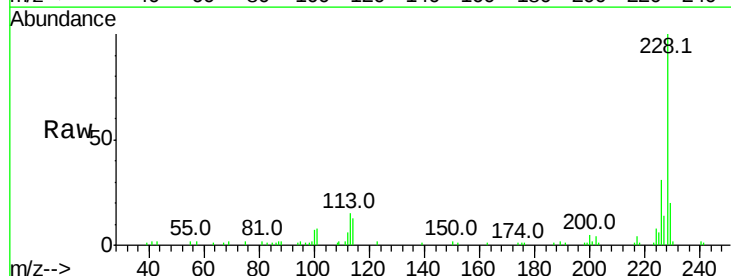
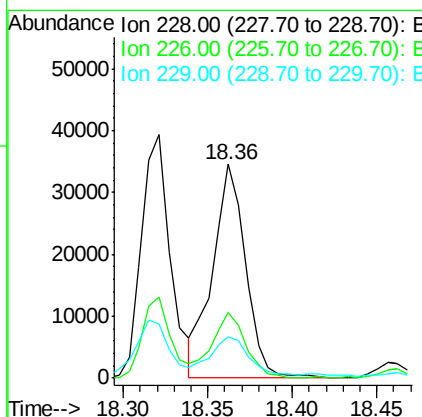
Manual Integrations
APPROVED

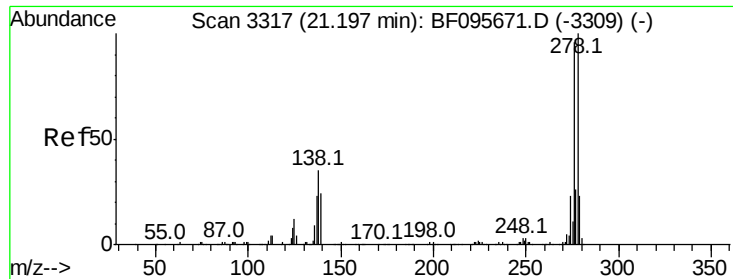
mohammad
6/9/2017 12:09:39 PM



#82
Chrysene
Concen: 5.88 ng
RT: 18.36 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	19.6	15.8	23.6





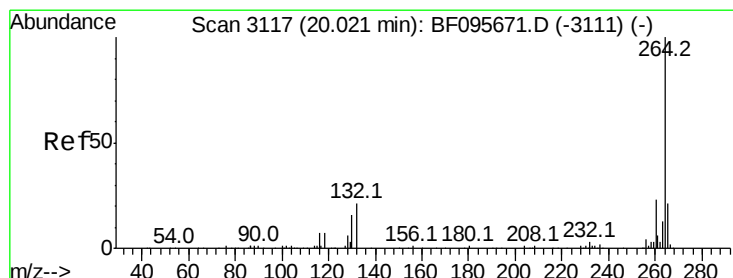
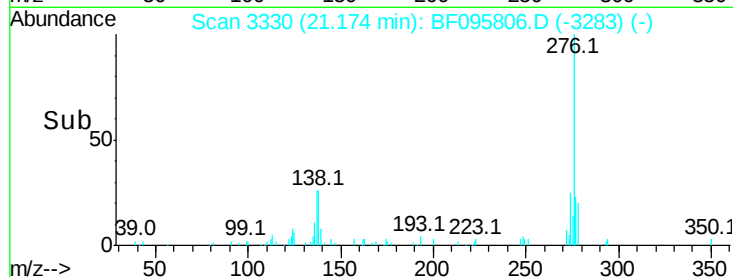
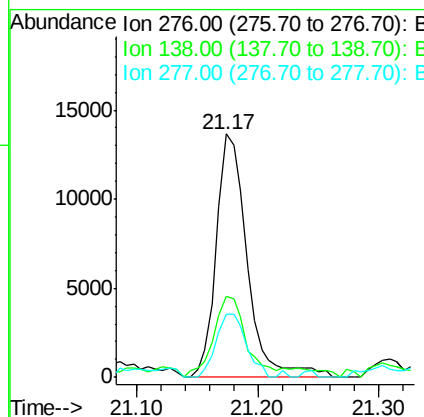
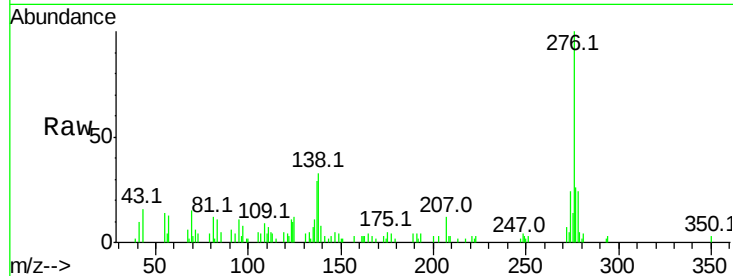
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.7	27.8	41.6
277	25.1	20.2	30.4

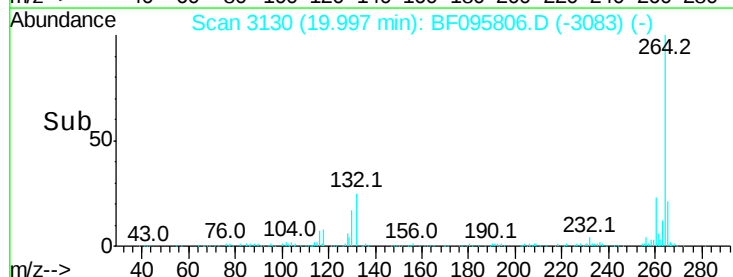
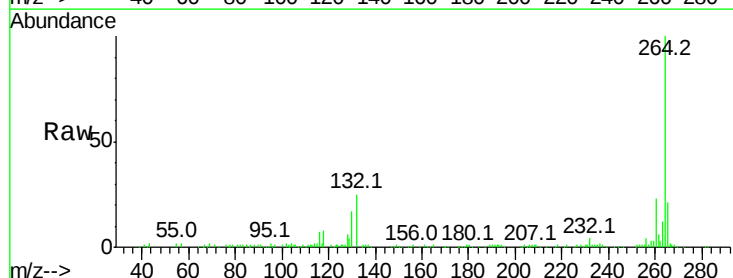
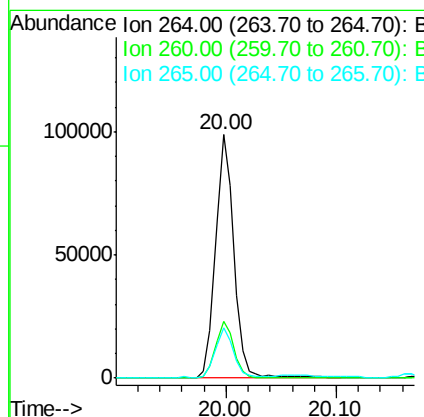
Manual Integrations
APPROVED

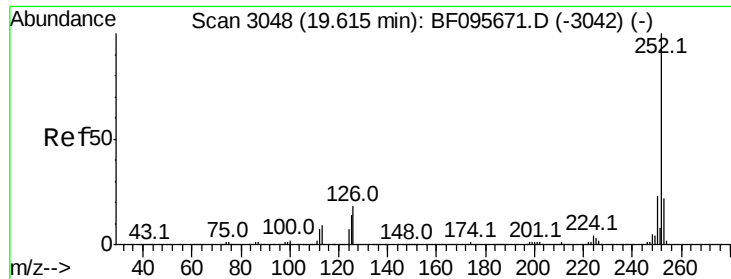
mohammad
6/9/2017 12:09:39 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.27 ng m

RT: 19.60 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Instrument :

BNA_F

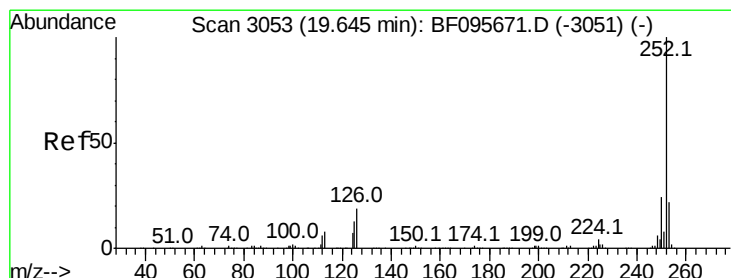
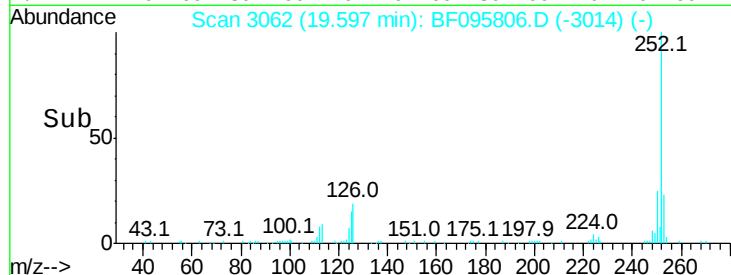
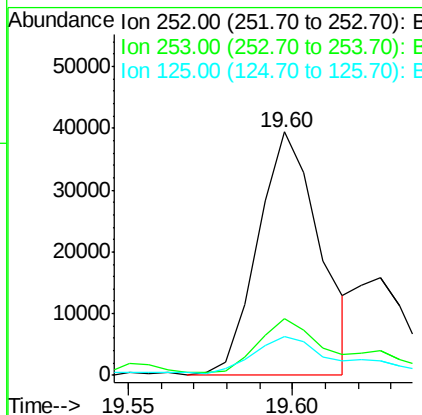
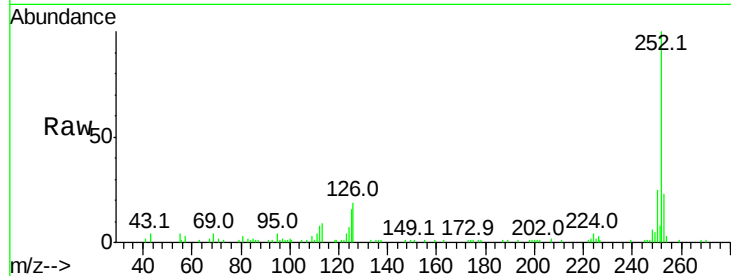
ClientSampleId :

POSTEX-46-20170602

Tot Ion:	252	Resp:	51536
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	15.9	9.8	14.8

Manual Integrations
APPROVED

mohammad
6/9/2017 12:09:39 PM



#88

Benzo(k)fluoranthene

Concen: 2.66 ng m

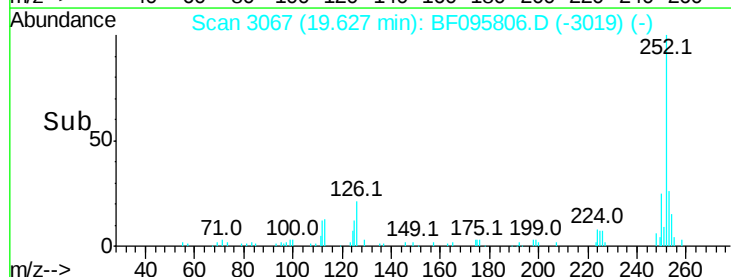
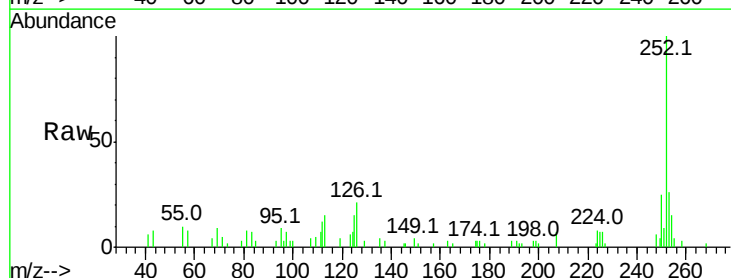
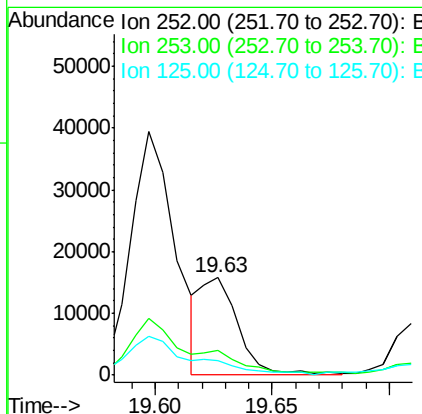
RT: 19.63 min Scan# 3067

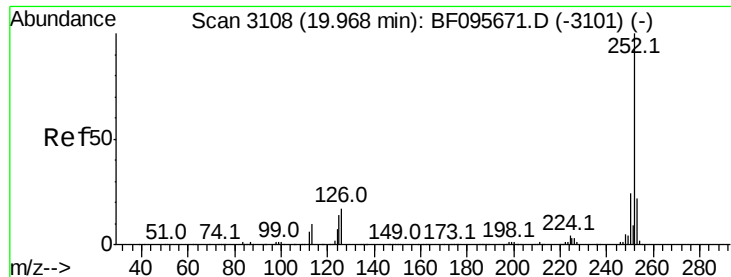
Delta R.T. -0.02 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Tgt Ion:	252	Resp:	18026
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.4	27.6
125	15.1	13.1	19.7





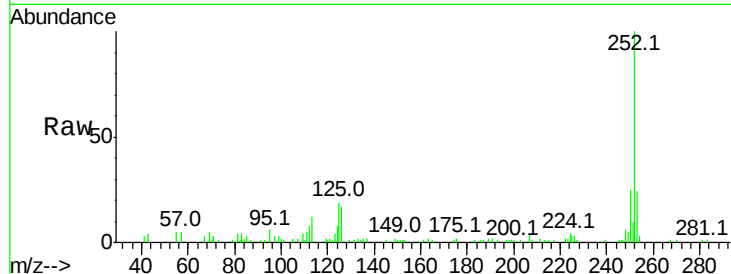
#89
Benzo(a)pyrene
Concen: 5.81 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
POSTEX-46-20170602

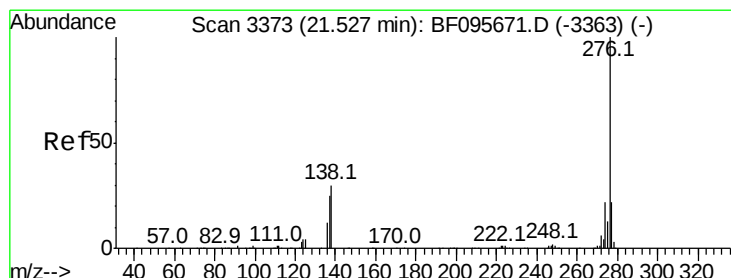
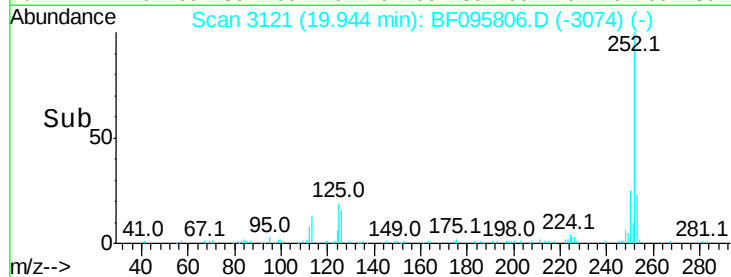
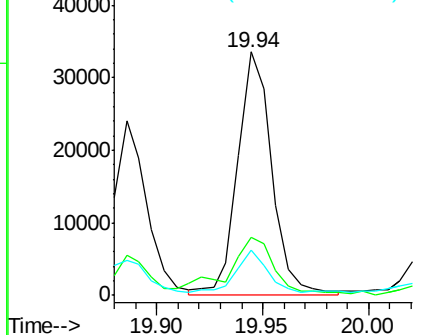
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	18.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/9/2017 12:09:39 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



#91
Benzo(g,h,i)perylene
Concen: 4.20 ng
RT: 21.51 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	28.5	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

