

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093285.D
 Acq On : 1 Mar 2017 10:37
 Operator : SJ/MA
 Sample : I2017-13DL 2X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK3-10-20170227DL

Manual Integrations
 APPROVED

mohammad
 3/1/2017 4:09:07 PM

Quant Time: Mar 01 15:52:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132092	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	475972	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	191165	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	314529	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	255627	20.00	ng	-0.03
86) Perylene-d12	15.41	264	172832	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	506003	65.72	ng	-0.03
7) Phenol-d6	6.46	99	638320	64.43	ng	-0.02
23) Nitrobenzene-d5	7.38	82	327279	38.29	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	89275	64.57	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	596596	56.54	ng	-0.05
78) Terphenyl-d14	12.92	244	462268	42.49	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.48	94	44044	3.80	ng	80
48) Acenaphthylene	9.71	152	109491	5.85	ng	98
49) Dimethylphthalate	9.57	163	41517	3.22	ng	100
51) Acenaphthene	9.88	154	22889	2.05	ng	93
57) Fluorene	10.40	166	36273	3.15	ng	98
70) Phenanthrene	11.37	178	609570	33.83	ng	97
71) Anthracene	11.41	178	146901	8.12	ng	97
72) Carbazole	11.57	167	52452	3.03	ng	97
74) Fluoranthene	12.56	202	878612	47.27	ng	95
77) Pyrene	12.79	202	883574	46.19	ng	99
80) Benzo(a)anthracene	13.97	228	376903	24.11	ng	96
82) Chrysene	14.01	228	358912m	24.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	117525	10.37	ng	98
87) Benzo(b)fluoranthene	15.00	252	275482m	24.22	ng	
88) Benzo(k)fluoranthene	15.01	252	122682m	12.49	ng	
89) Benzo(a)pyrene	15.36	252	210953	21.44	ng	99
90) Dibenzo(a,h)anthracene	16.81	278	31224	3.93	ng	# 75
91) Benzo(g,h,i)perylene	17.23	276	116518	14.50	ng	# 90

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

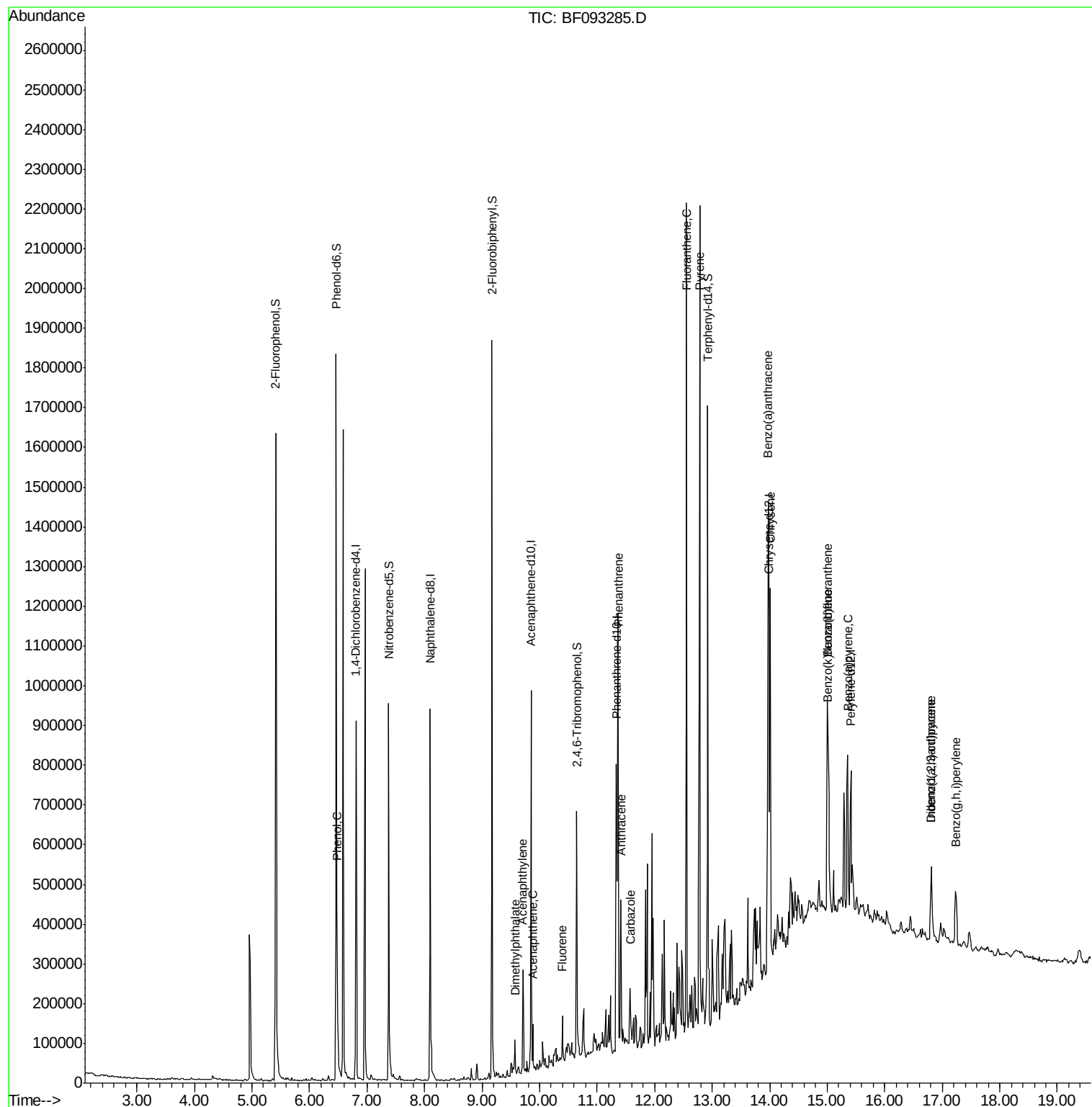
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093285.D
Acq On : 1 Mar 2017 10:37
Operator : SJ/MA
Sample : I2017-13DL 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

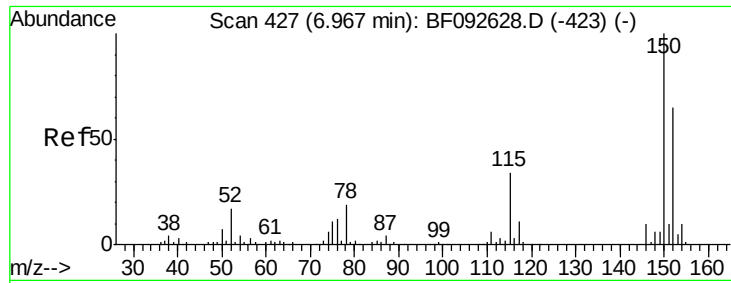
Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Manual Integrations
APPROVED

mohammad
3/1/2017 4:09:07 PM

Quant Time: Mar 01 15:52:44 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





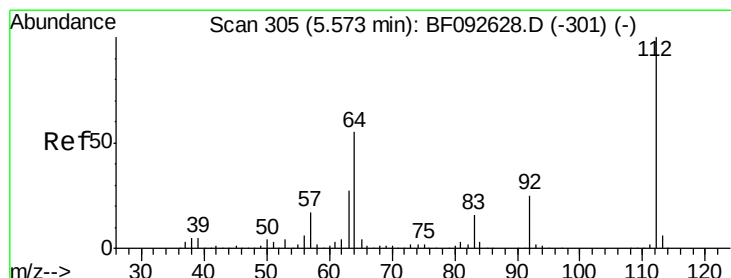
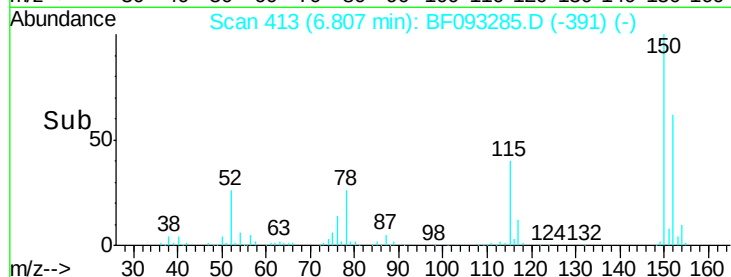
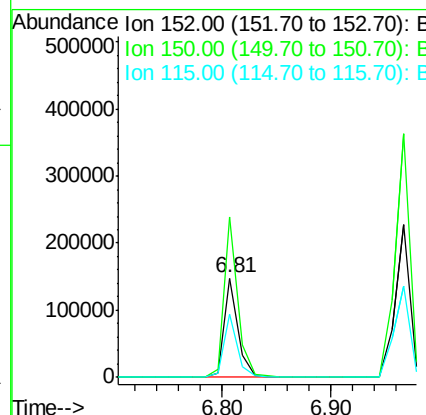
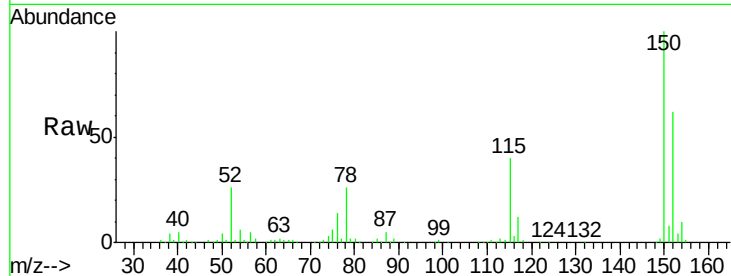
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093285.D
 Acq: 1 Mar 2017 10:37

Instrument :
 BNA_F
 ClientSampleId :
 TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.9	187.3
115	63.8	46.0	69.0

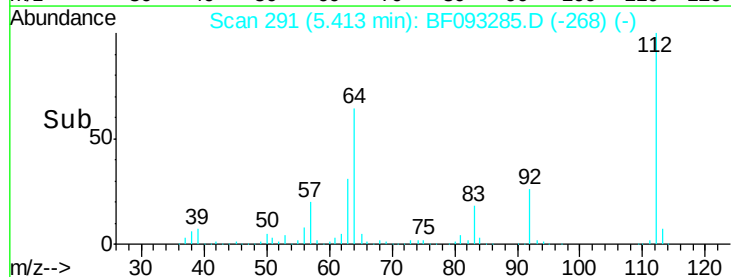
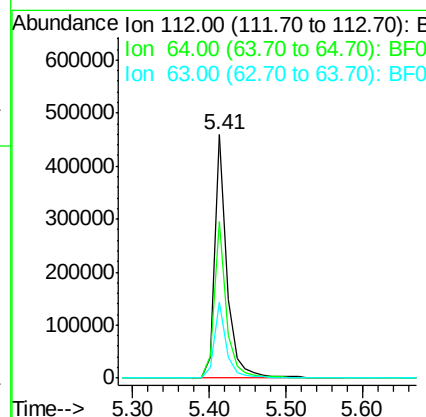
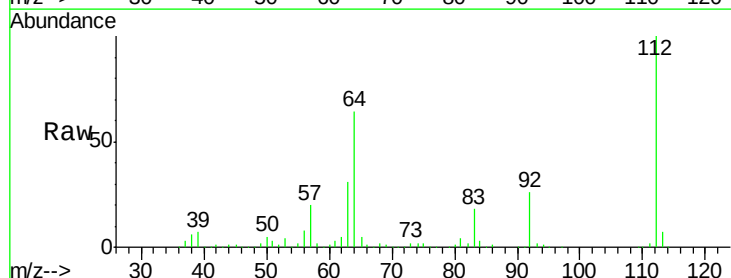
Manual Integrations
 APPROVED

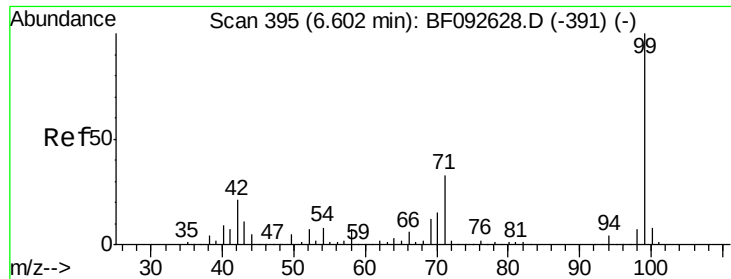
mohammad
 3/1/2017 4:09:07 PM



#5
 2-Fluorophenol
 Concen: 65.72 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093285.D
 Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	46.1	69.1
63	31.4	23.8	35.6





#7

Phenol-d6

Concen: 64.43 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093285.D

Acq: 1 Mar 2017 10:37

Instrument :

BNA_F

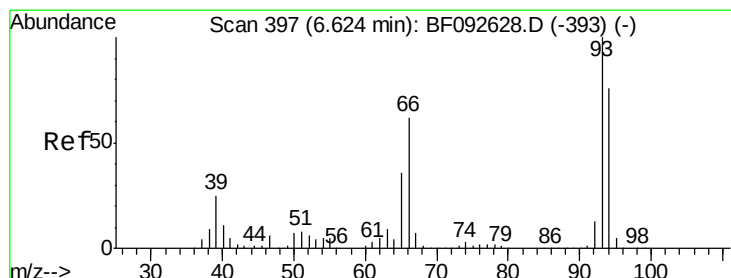
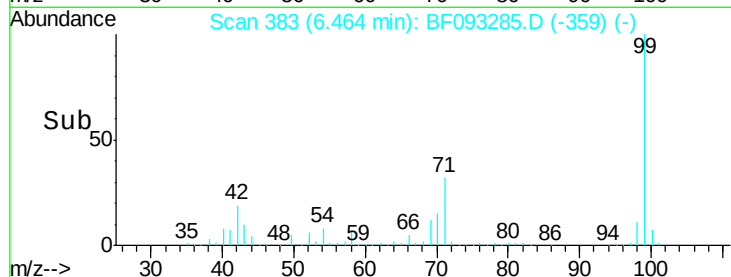
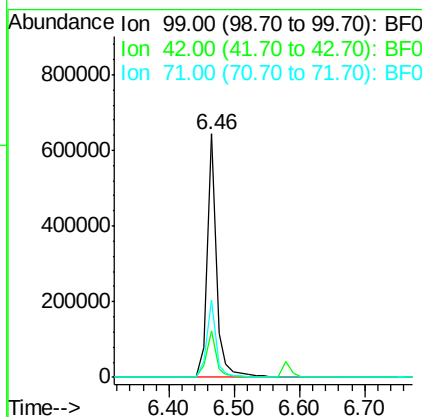
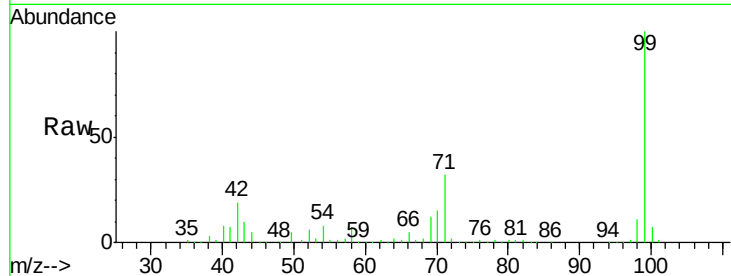
ClientSampleId :

TK3-10-20170227DL

Tgt Ion:	99	Resp:	638320
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.6	23.4
71	31.9	27.5	41.3

Manual Integrations
APPROVED

mohammad
3/1/2017 4:09:07 PM



#10

Phenol

Concen: 3.80 ng

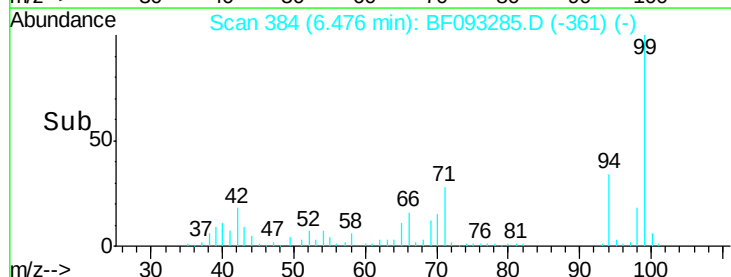
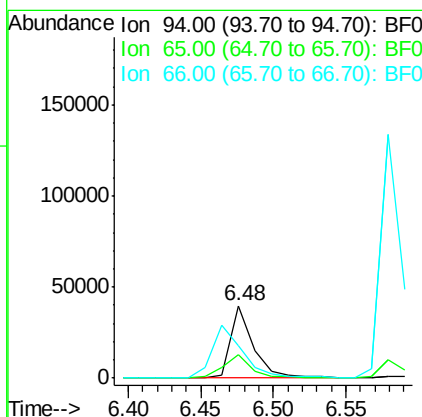
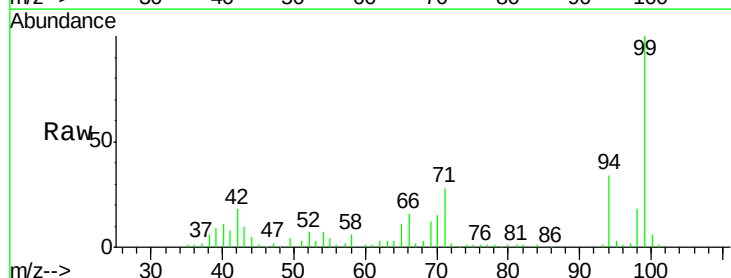
RT: 6.48 min Scan# 384

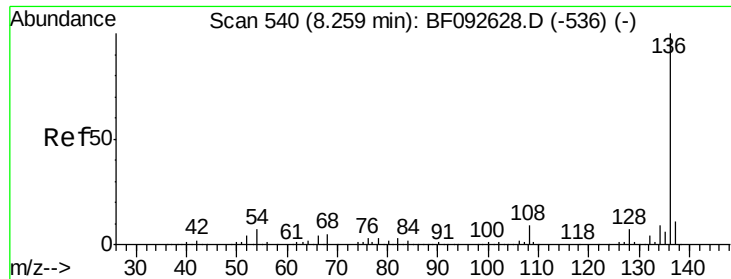
Delta R.T. -0.03 min

Lab File: BF093285.D

Acq: 1 Mar 2017 10:37

Tgt Ion:	94	Resp:	44044
Ion	Ratio	Lower	Upper
94	100		
65	31.6	21.4	61.4
66	45.7	44.0	84.0





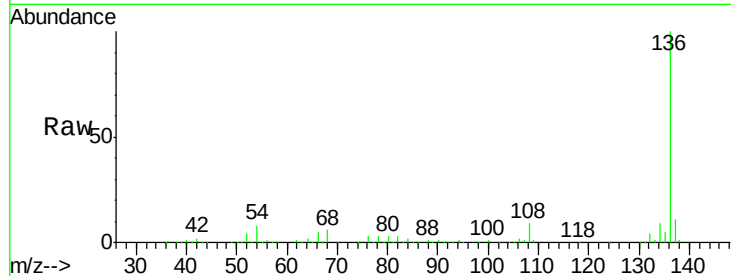
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

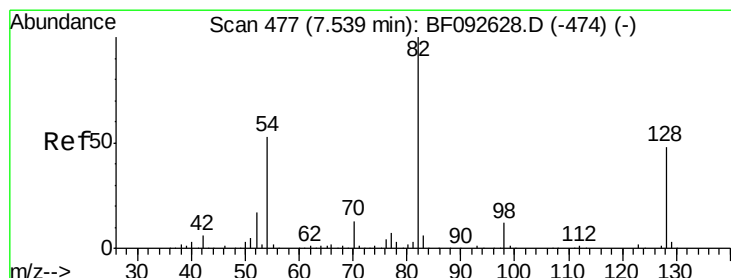
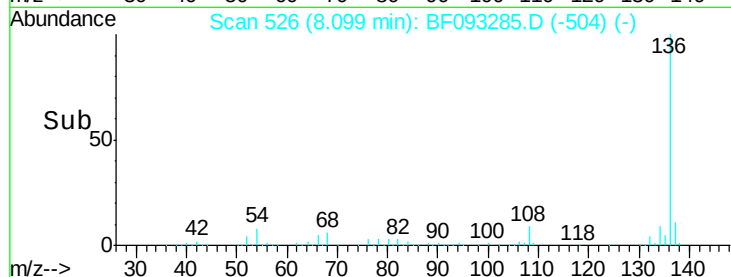
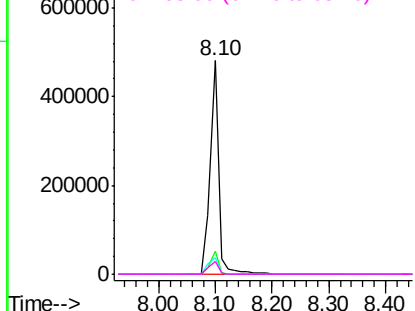
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	475972		
137	10.9	8.4	12.6	
54	8.1	4.5	6.7#	
68	5.7	3.6	5.4#	

Manual Integrations
APPROVED

mohammad
3/1/2017 4:09:07 PM

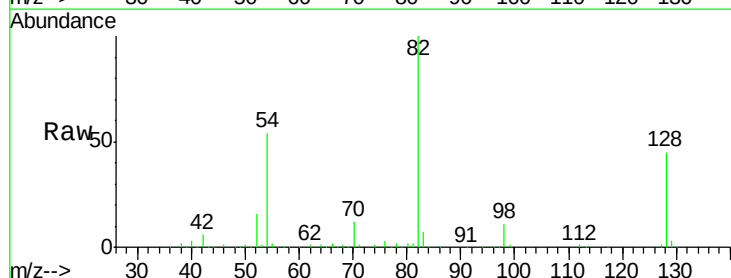


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

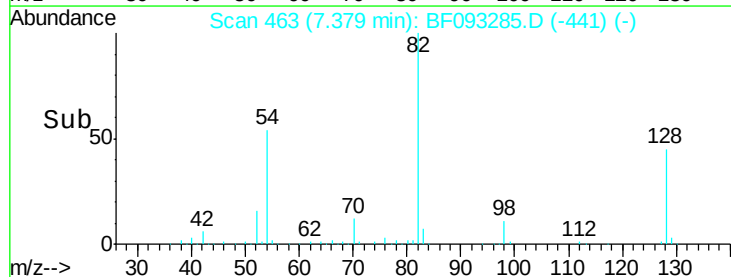
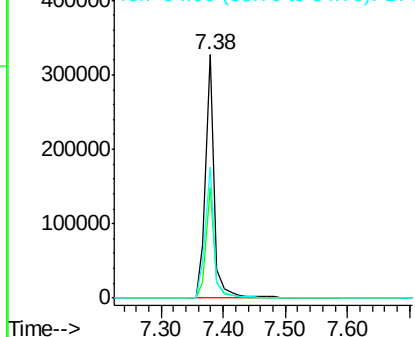


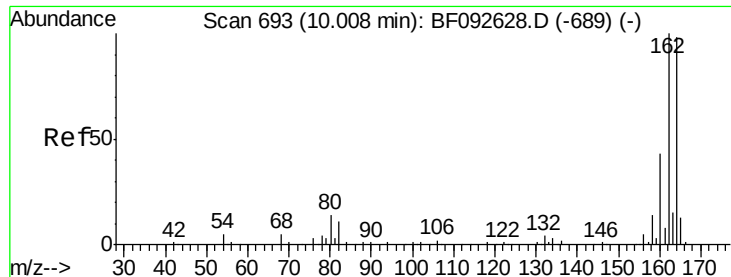
#23
Nitrobenzene-d5
Concen: 38.29 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	327279		
128	45.3	34.6	52.0	
54	53.8	39.5	59.3	



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





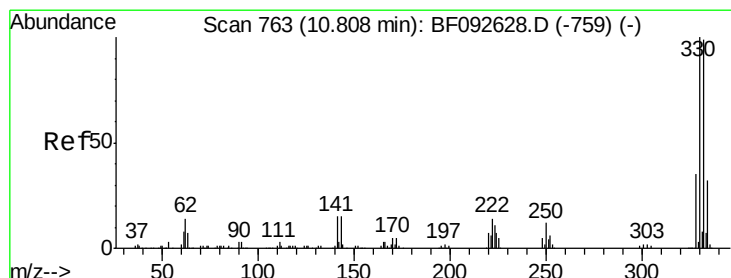
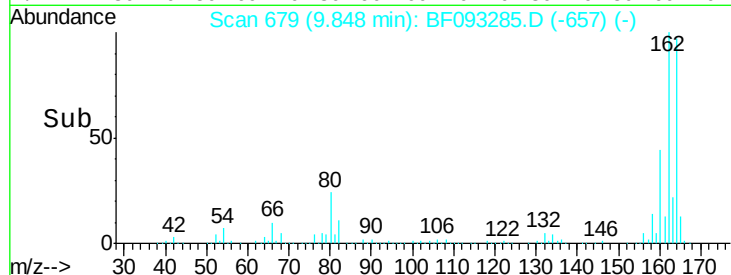
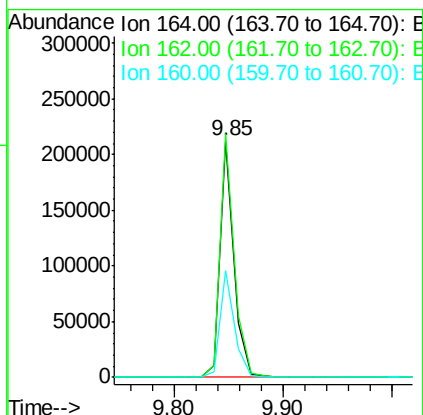
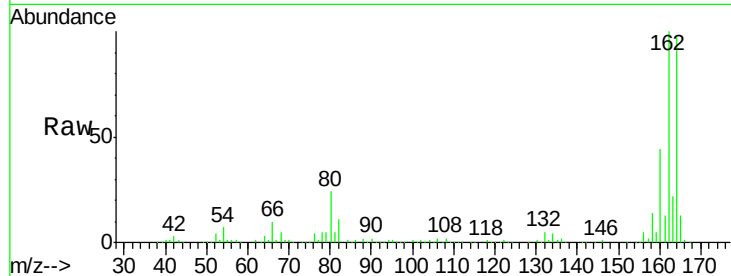
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093285.D
 Acq: 1 Mar 2017 10:37

Instrument :
 BNA_F
 ClientSampleId :
 TK3-10-20170227DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191165		
162	103.0	80.2	120.2	
160	45.1	36.9	55.3	

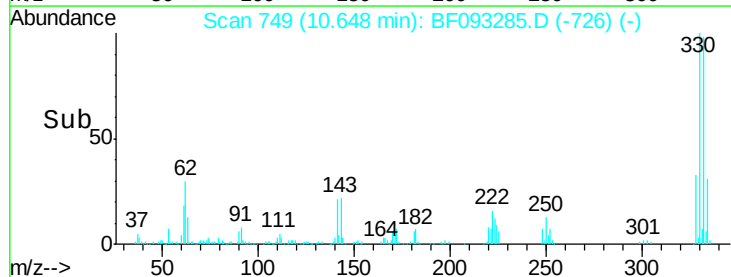
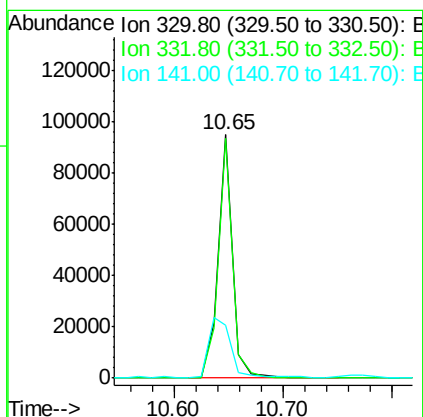
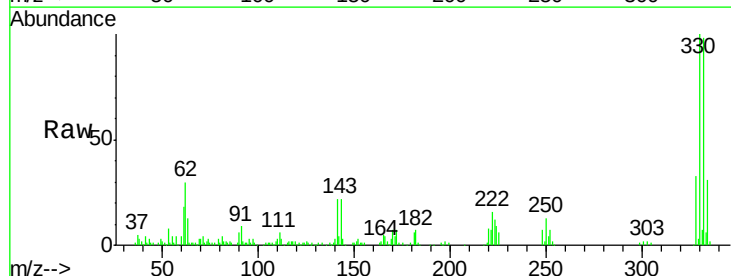
Manual Integrations
 APPROVED

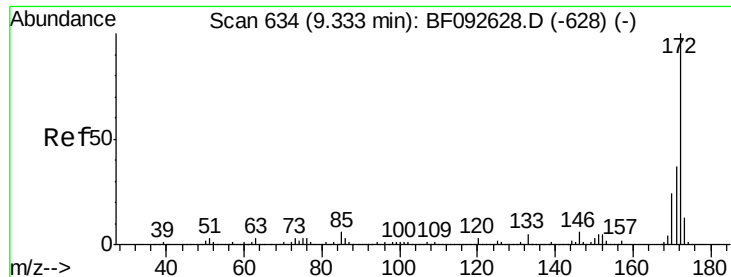
mohammad
 3/1/2017 4:09:07 PM



#41
 2,4,6-Tribromophenol
 Concen: 64.57 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093285.D
 Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	89275		
332	96.9	77.4	116.2	
141	39.8	34.1	51.1	





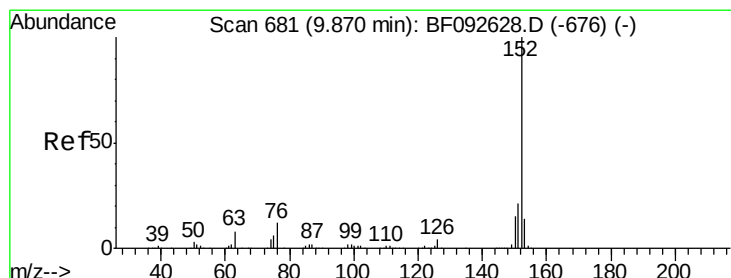
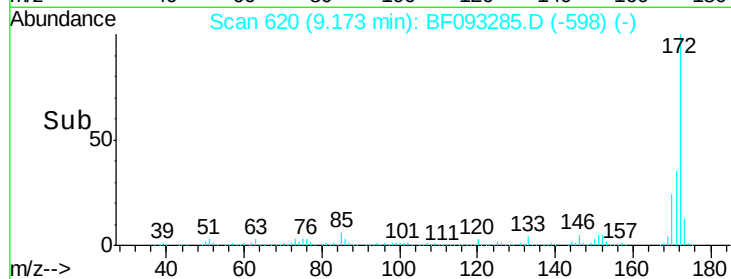
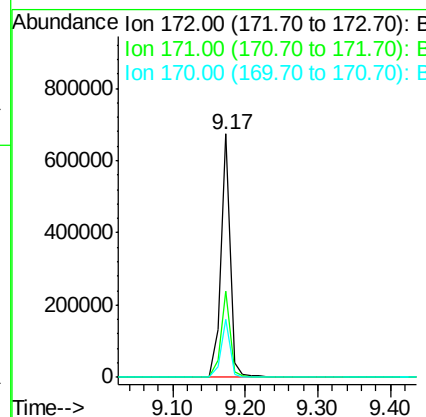
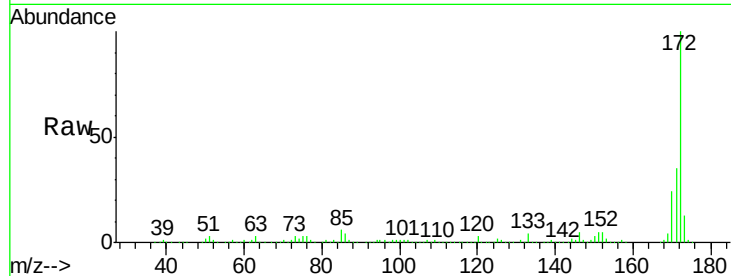
#44
2-Fluorobiphenyl
Concen: 56.54 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	596596		
171	35.5		29.4	44.0
170	24.0		20.2	30.4

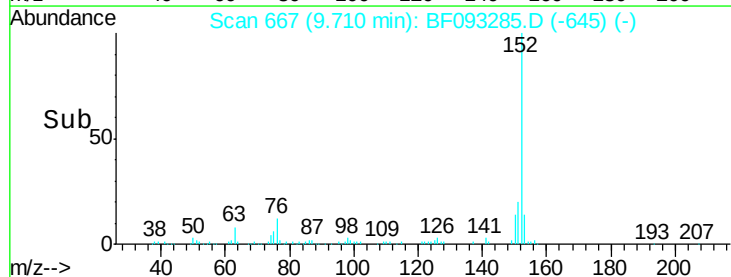
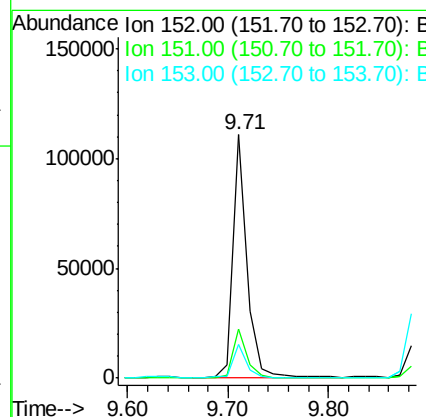
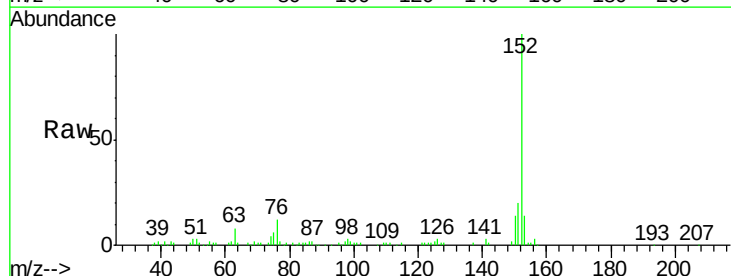
Manual Integrations
APPROVED

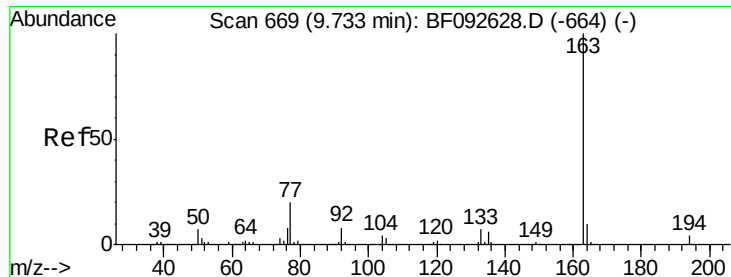
mohammad
3/1/2017 4:09:07 PM



#48
Acenaphthylene
Concen: 5.85 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109491		
151	20.1		16.9	25.3
153	13.9		11.4	17.2





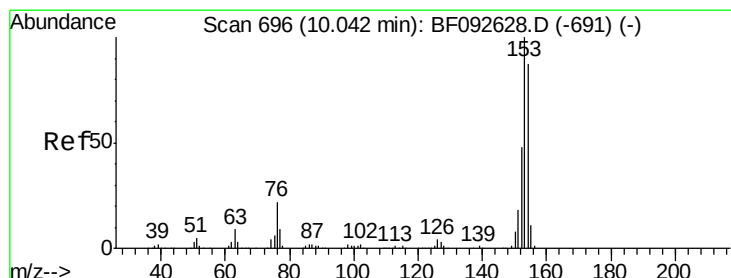
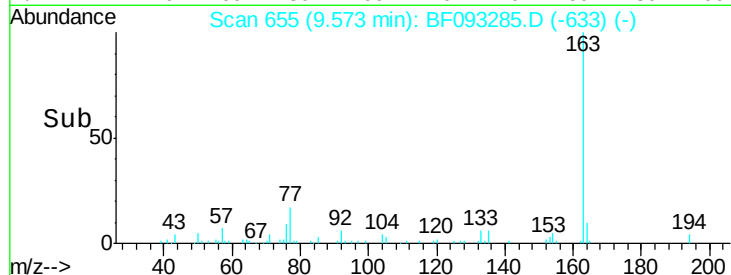
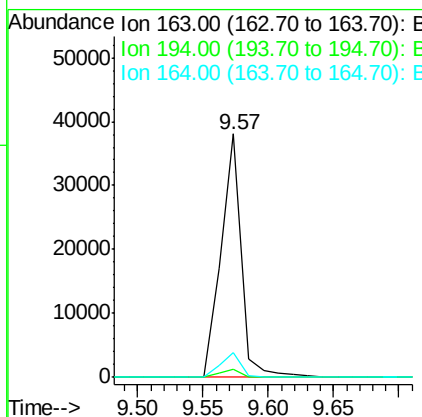
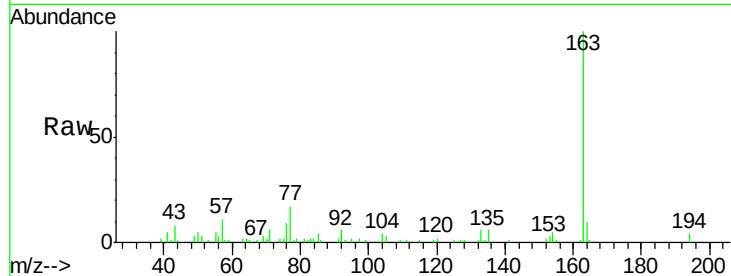
#49
Dimethylphthalate
Concen: 3.22 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	41517		
194	3.5		3.0	4.4
164	10.0		8.0	12.0

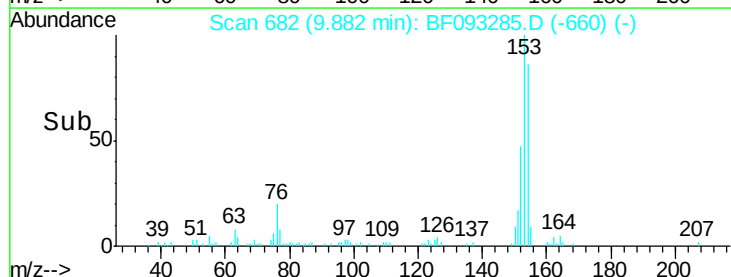
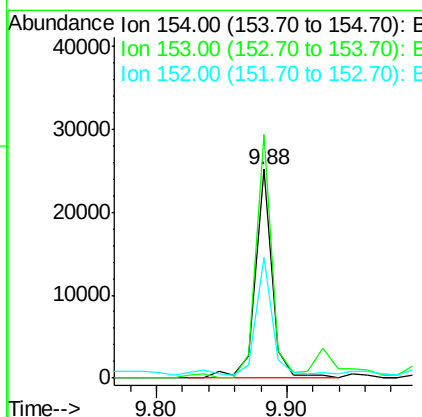
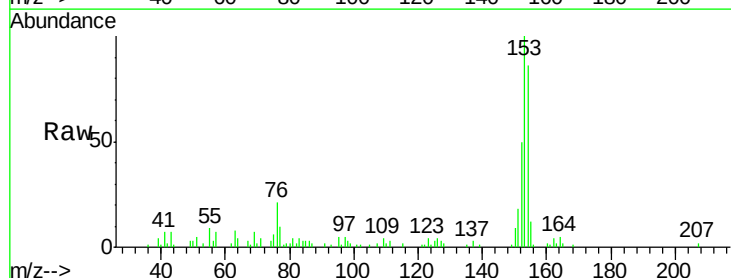
Manual Integrations
APPROVED

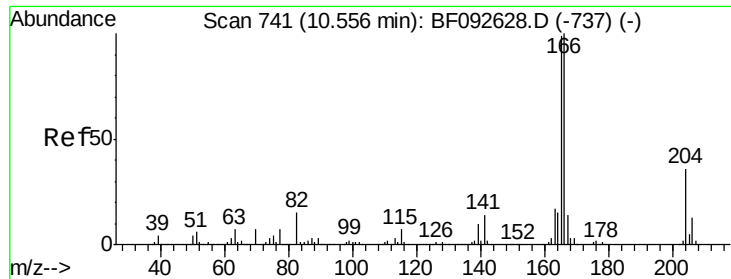
mohammad
3/1/2017 4:09:07 PM



#51
Acenaphthene
Concen: 2.05 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	22889		
153	116.8		88.6	133.0
152	57.9		41.6	62.4





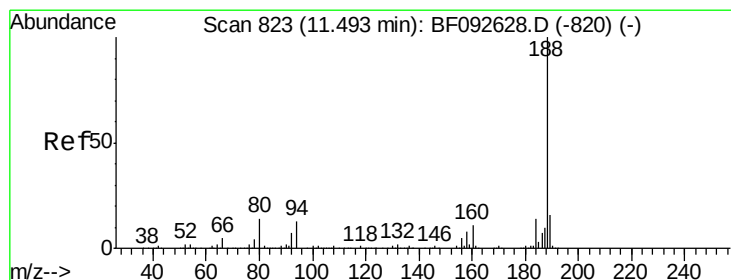
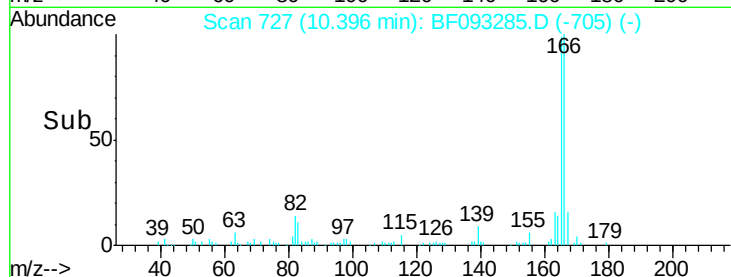
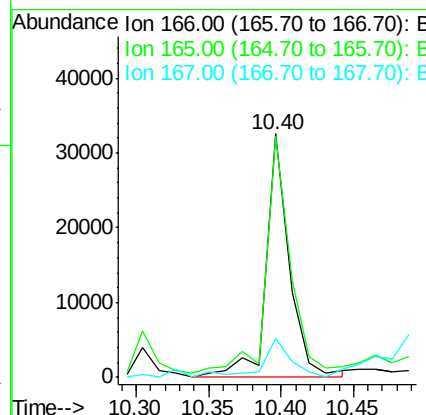
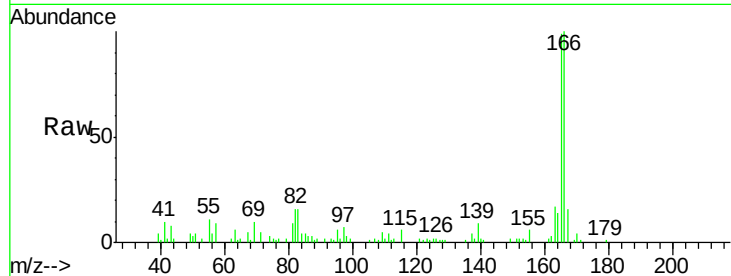
#57
Fluorene
Concen: 3.15 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	36273		
165	99.0	77.8	116.8	
167	15.9	10.8	16.2	

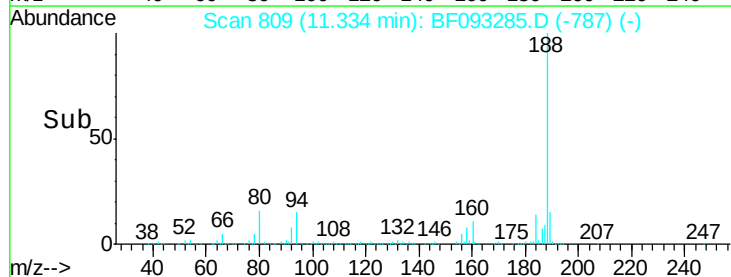
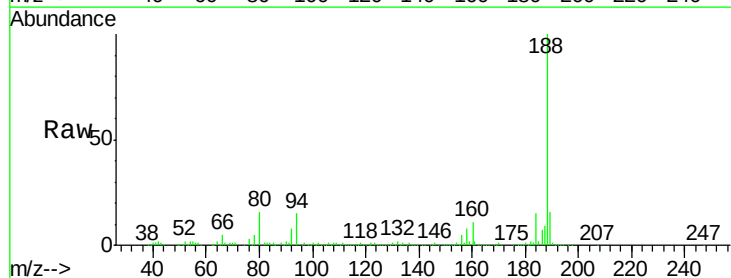
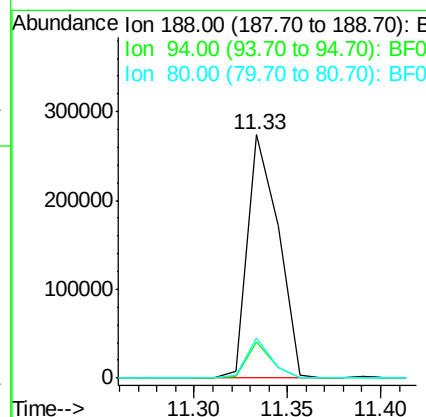
Manual Integrations
APPROVED

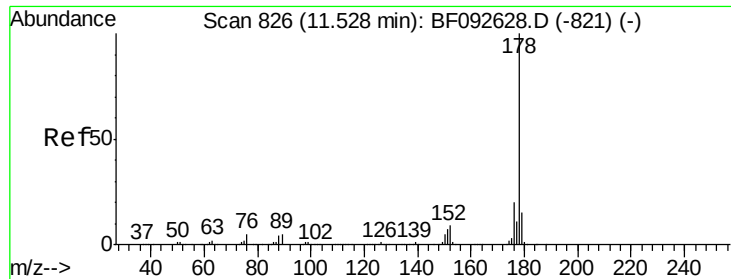
mohammad
3/1/2017 4:09:07 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	314529		
94	14.7	10.0	15.0	
80	16.5	11.2	16.8	





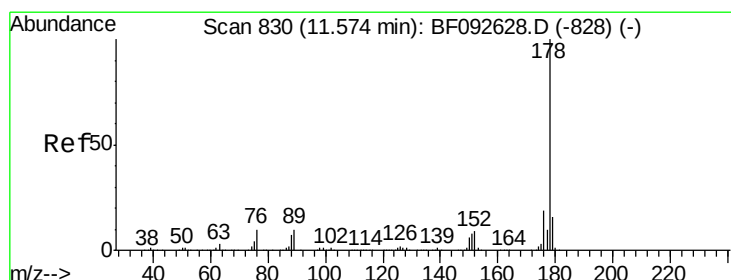
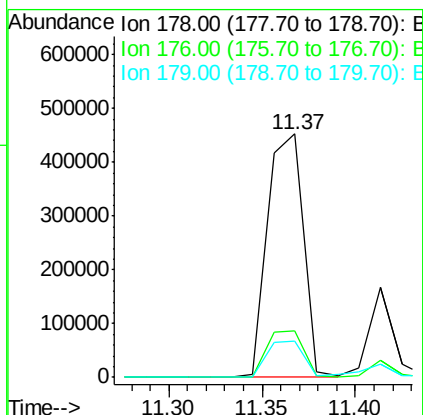
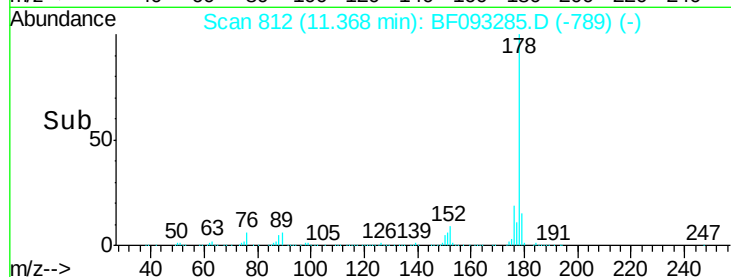
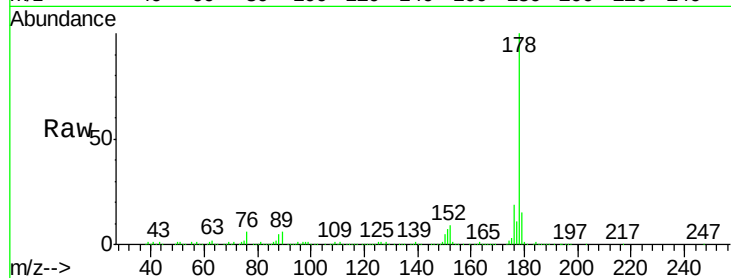
#70
Phenanthrene
Concen: 33.83 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	25.0
179	14.8	12.8	19.2

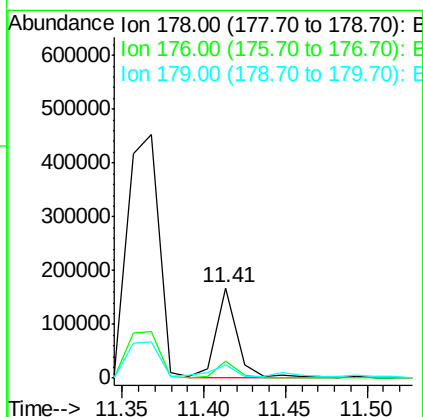
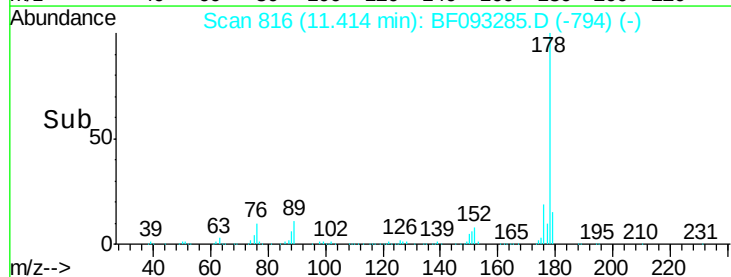
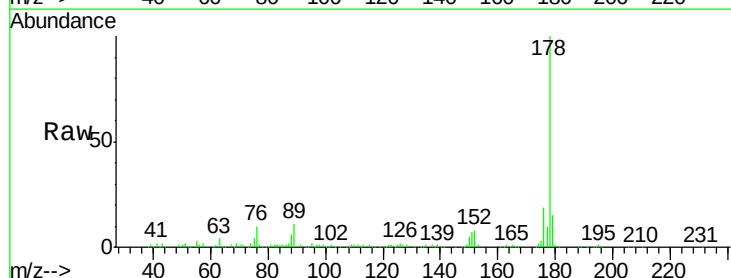
Manual Integrations
APPROVED

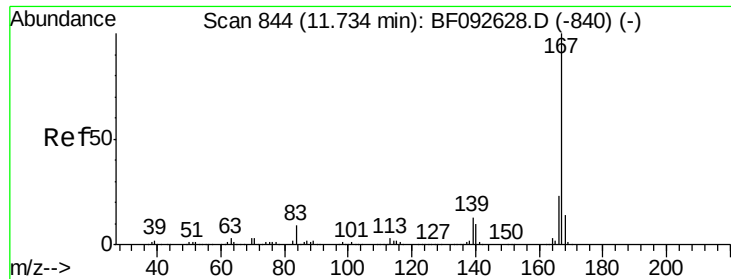
mohammad
3/1/2017 4:09:07 PM



#71
Anthracene
Concen: 8.12 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.2	13.2	19.8





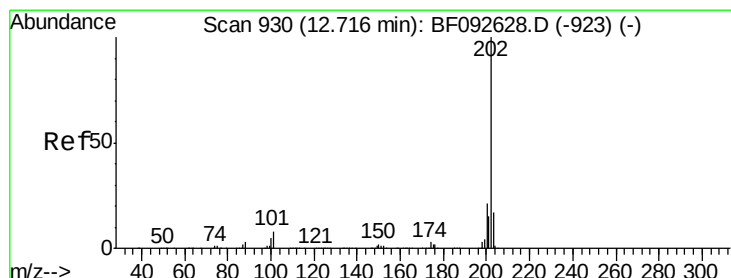
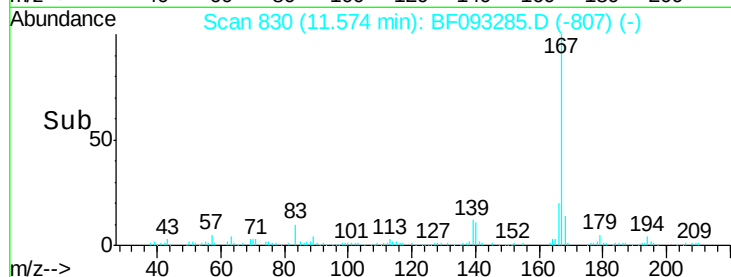
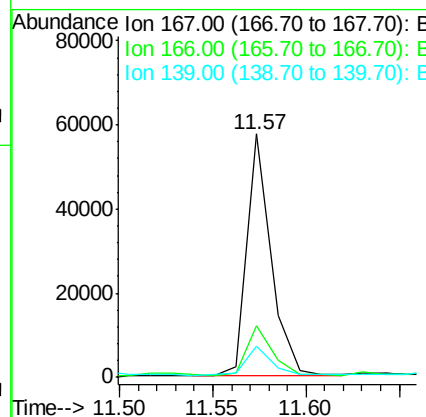
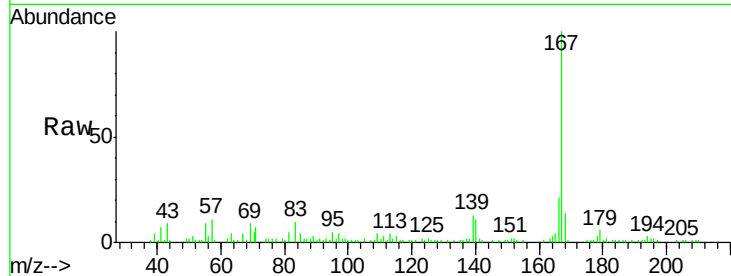
#72
 Carbazole
 Concen: 3.03 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF093285.D
 Acq: 1 Mar 2017 10:37

Instrument :
 BNA_F
 ClientSampleId :
 TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.2	27.2
139	12.9	11.4	17.2

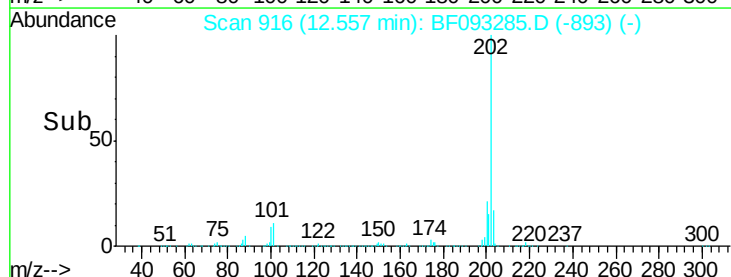
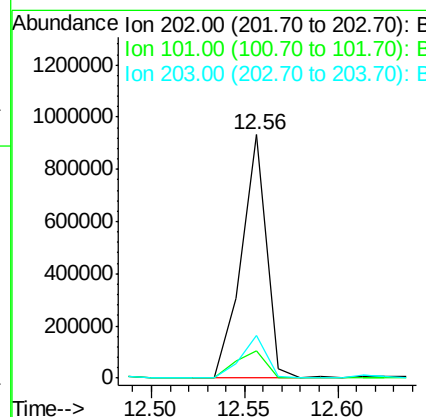
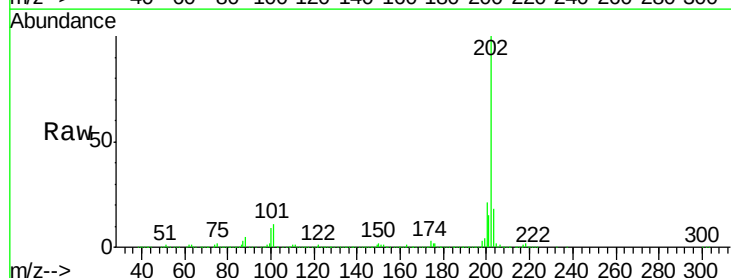
Manual Integrations
 APPROVED

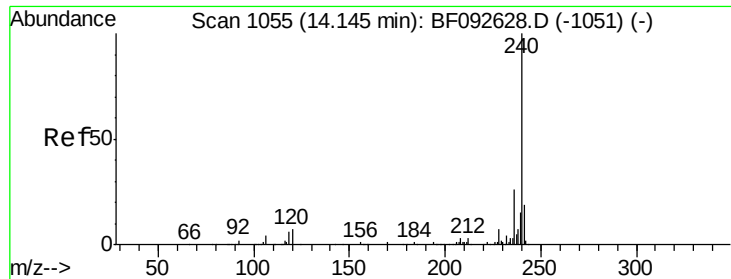
mohammad
 3/1/2017 4:09:07 PM



#74
 Fluoranthene
 Concen: 47.27 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF093285.D
 Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.6
203	17.6	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093285.D

Acq: 1 Mar 2017 10:37

Instrument :

BNA_F

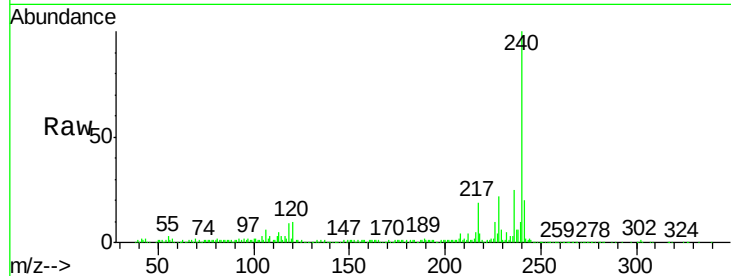
ClientSampleId :

TK3-10-20170227DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	255627		
120	10.0	12.9	19.3#	
236	25.4	20.9	31.3	

Manual Integrations
APPROVED

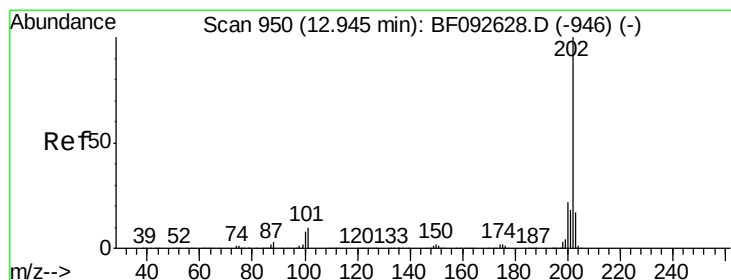
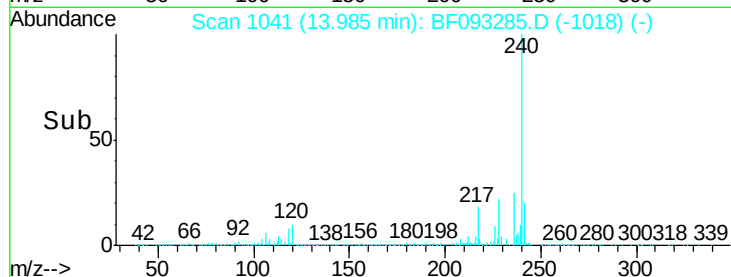
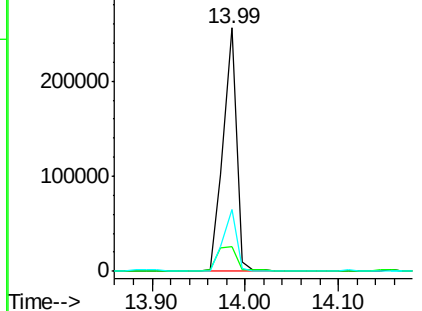
mohammad
3/1/2017 4:09:07 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 46.19 ng

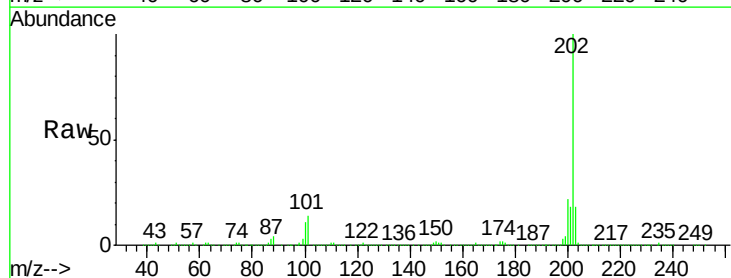
RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093285.D

Acq: 1 Mar 2017 10:37

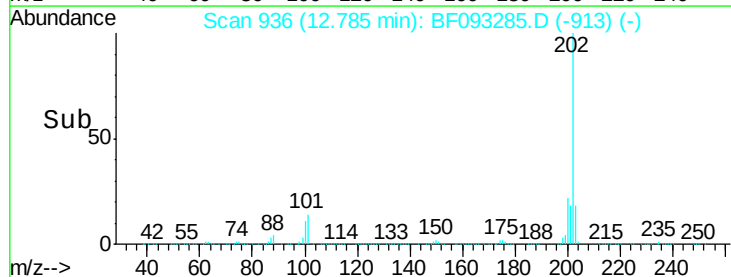
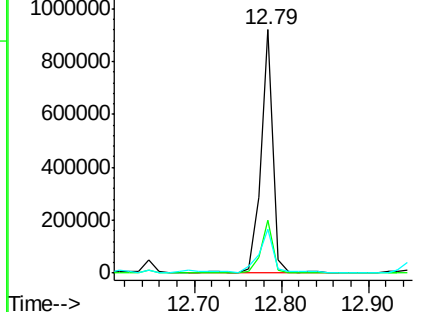
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	883574		
200	22.0	17.7	26.5	
203	17.9	14.7	22.1	

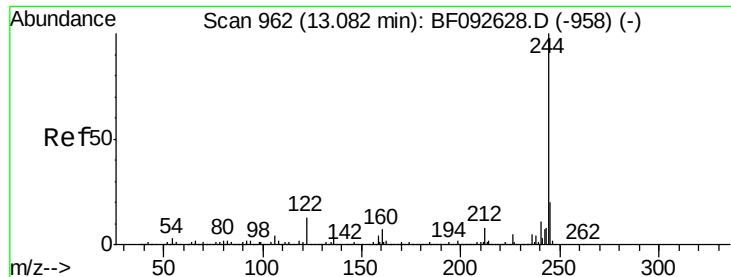


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.49 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093285.D

Acq: 1 Mar 2017 10:37

Instrument :

BNA_F

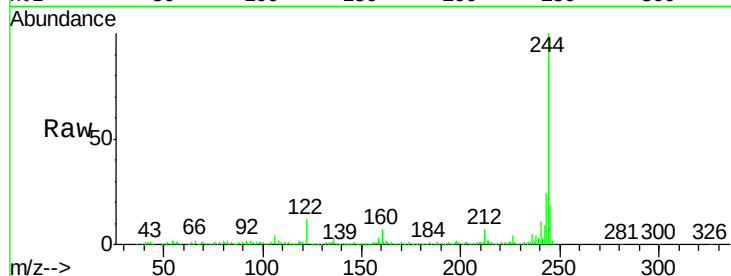
ClientSampleId :

TK3-10-20170227DL

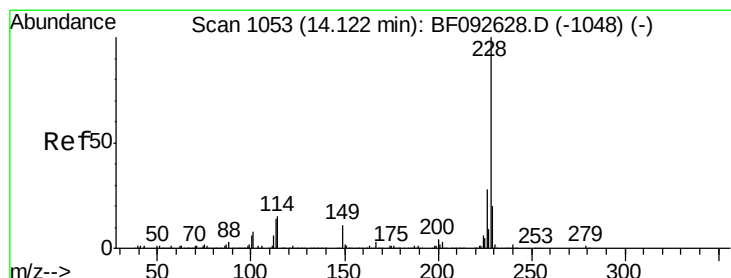
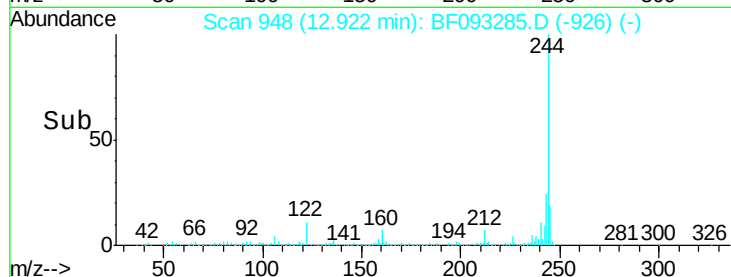
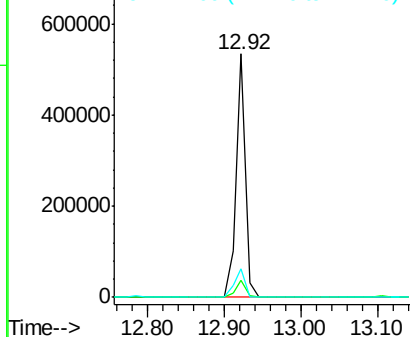
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	11.5	11.4	17.2

Manual Integrations
APPROVED

mohammad
3/1/2017 4:09:07 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: 24.11 ng

RT: 13.97 min Scan# 1040

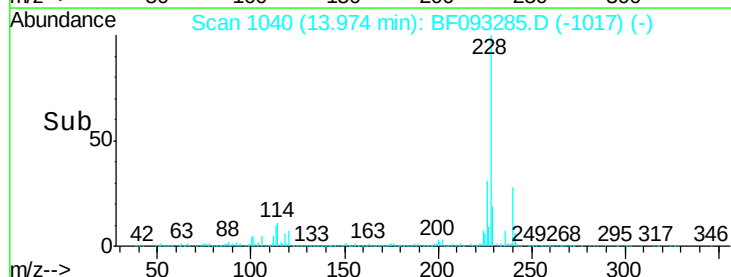
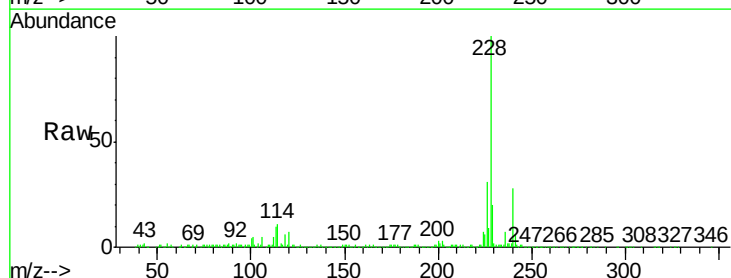
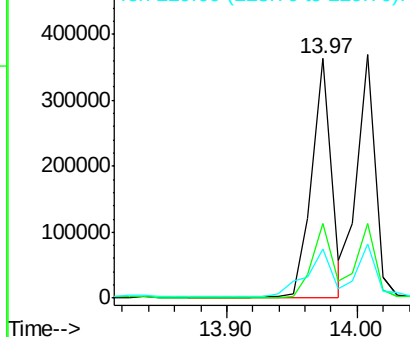
Delta R.T. -0.03 min

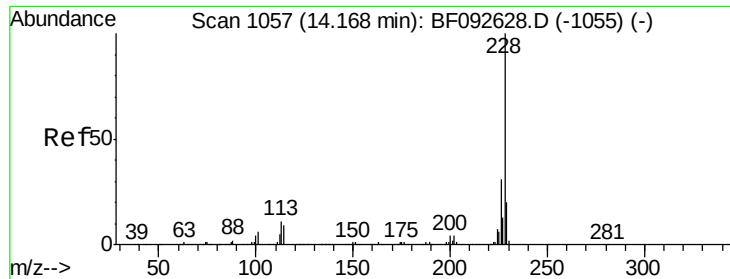
Lab File: BF093285.D

Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.4	33.6
229	20.2	16.2	24.4

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





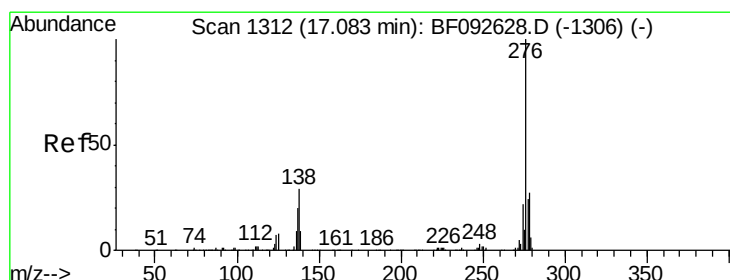
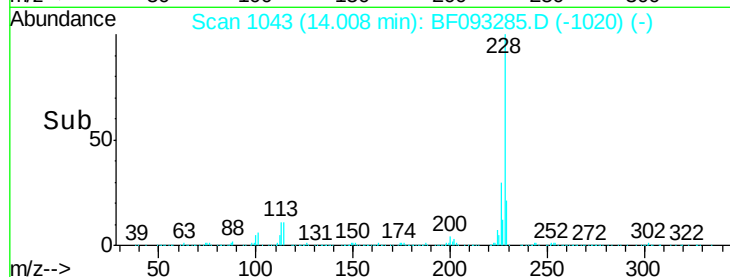
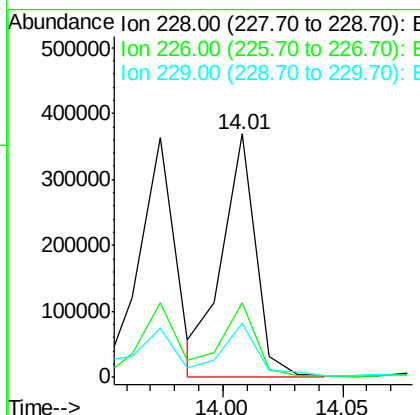
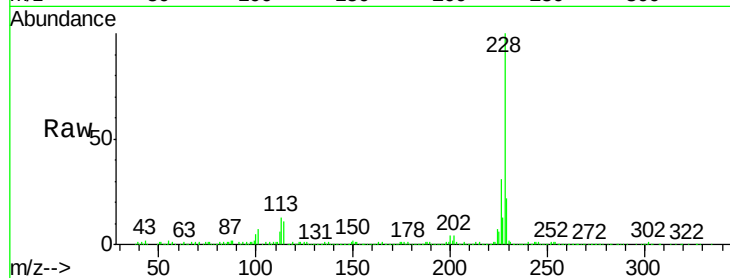
#82
Chrysene
Concen: 24.52 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	22.0	16.2	24.2

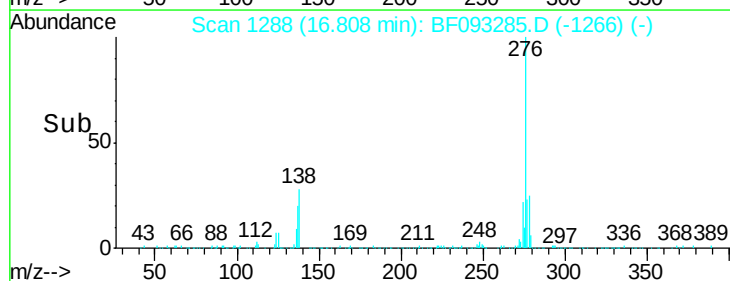
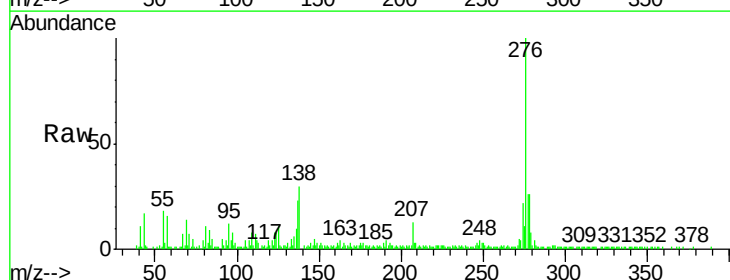
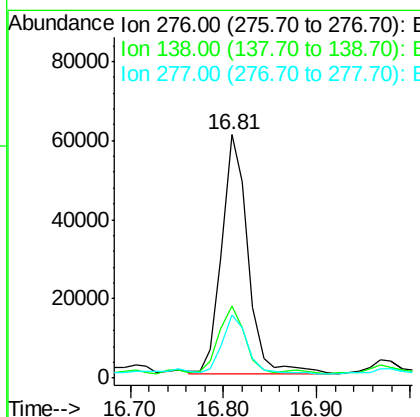
Manual Integrations
APPROVED

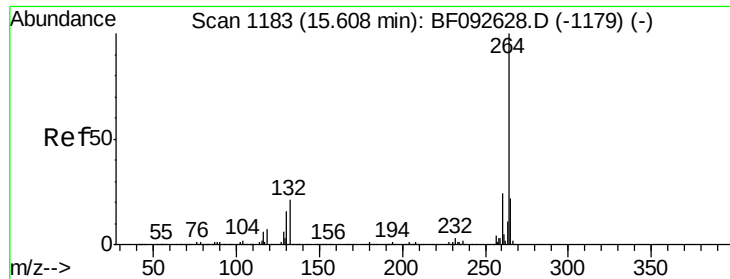
mohammad
3/1/2017 4:09:07 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.37 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.8	32.6
277	24.0	20.2	30.4





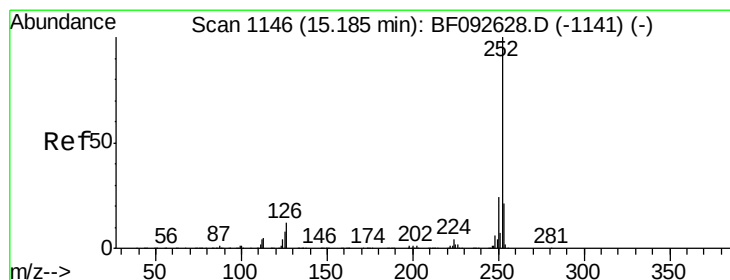
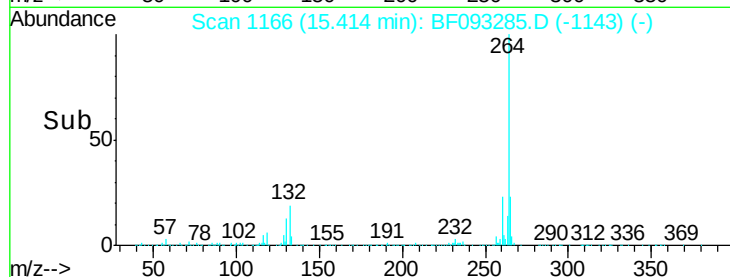
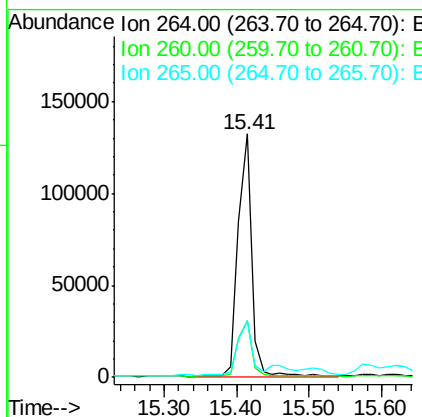
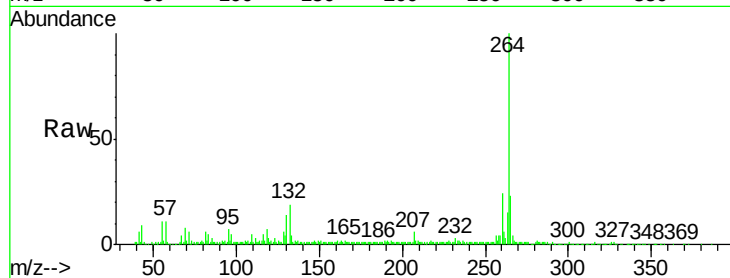
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.3	17.4	26.0

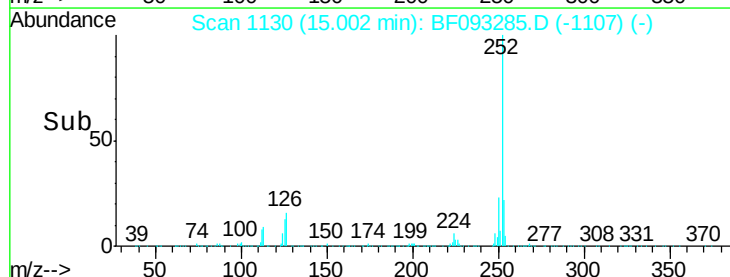
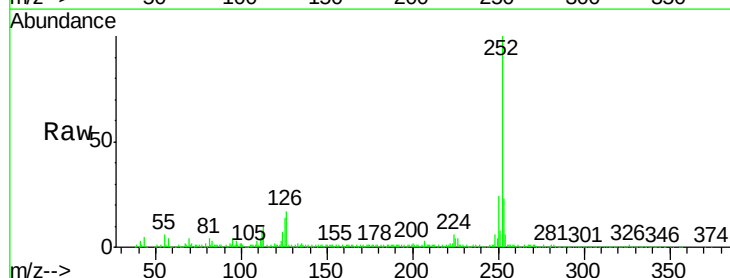
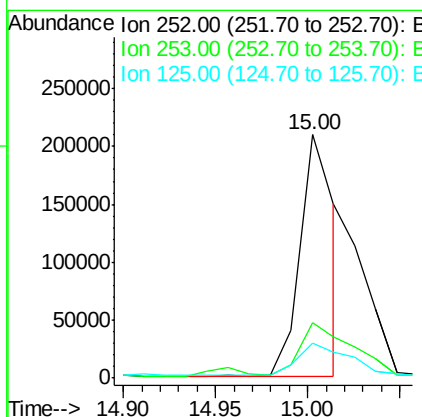
Manual Integrations
APPROVED

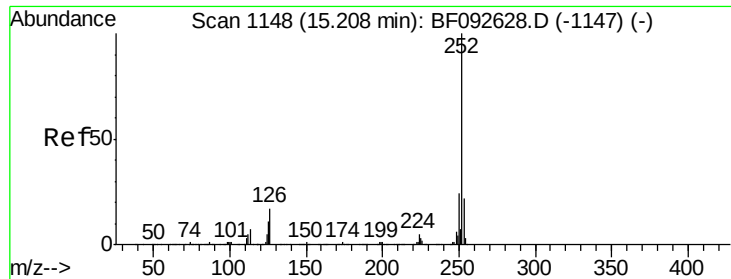
mohammad
3/1/2017 4:09:07 PM



#87
Benzo(b)fluoranthene
Concen: 24.22 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	14.3	9.8	14.6





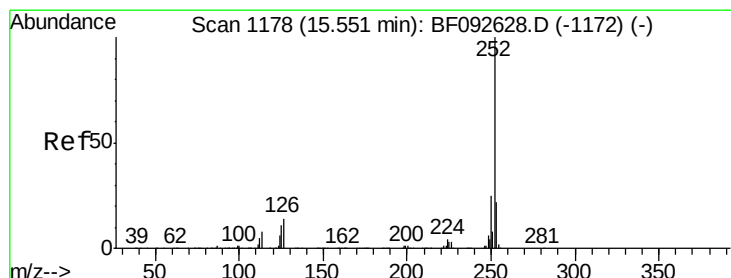
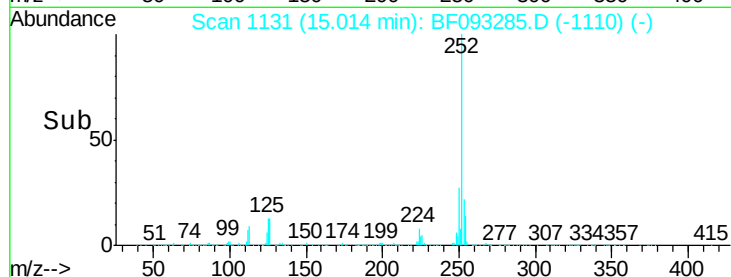
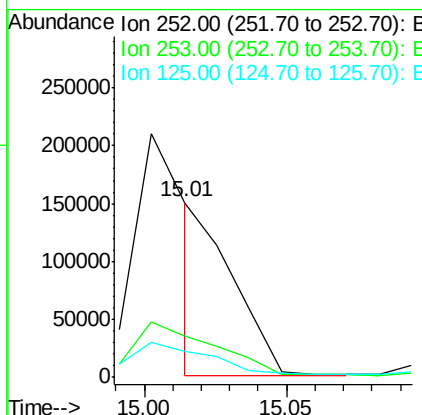
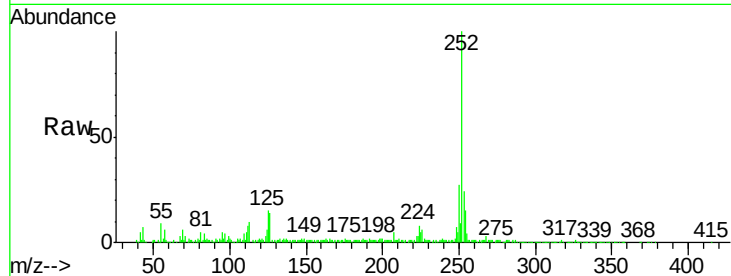
#88
Benzo(k)fluoranthene
Concen: 12.49 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	14.7	8.9	13.3

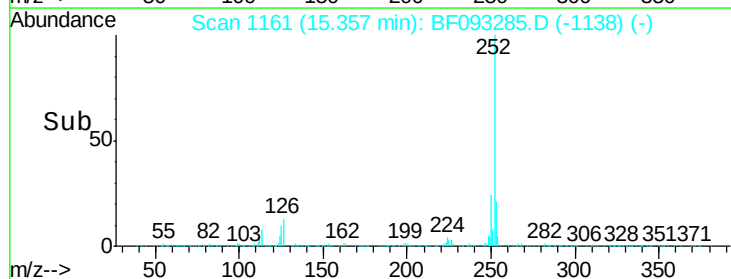
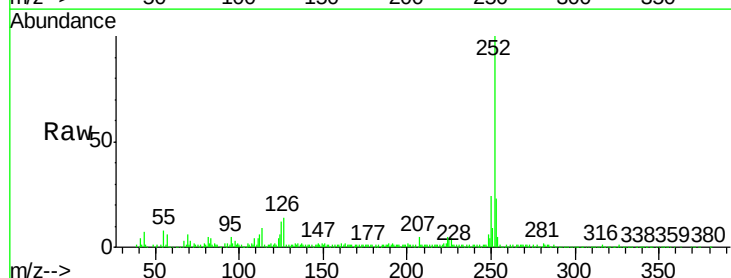
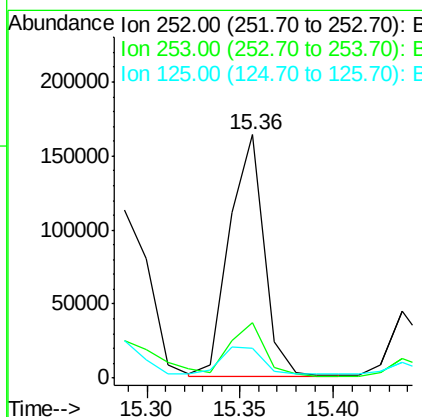
Manual Integrations
APPROVED

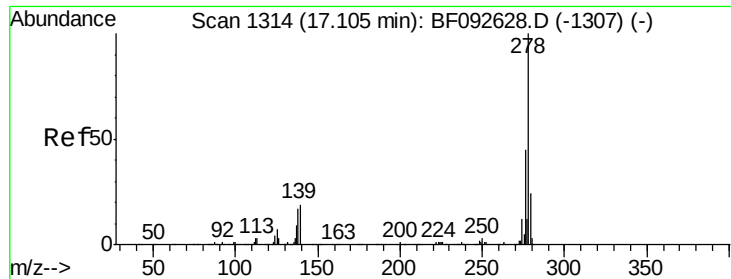
mohammad
3/1/2017 4:09:07 PM



#89
Benzo(a)pyrene
Concen: 21.44 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	12.0	10.0	15.0





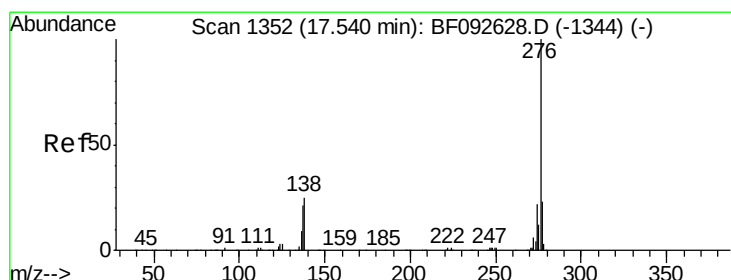
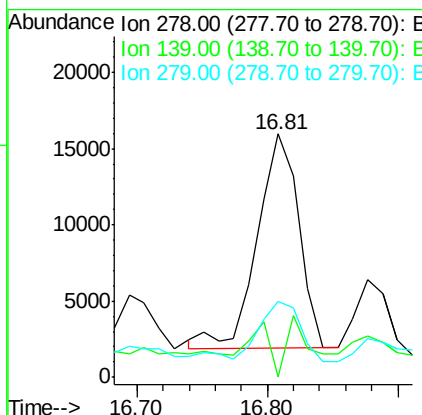
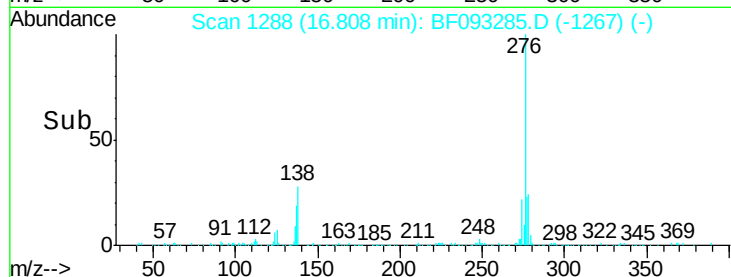
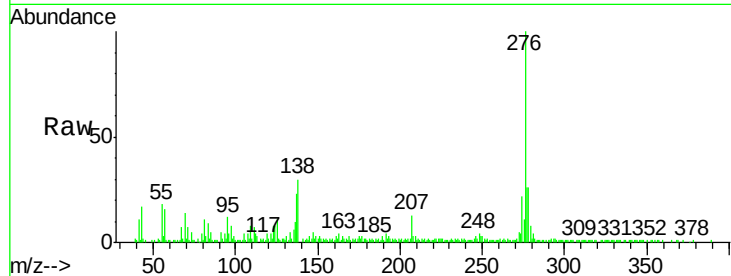
#90
Dibenzo(a,h)anthracene
Concen: 3.93 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Instrument :
BNA_F
ClientSampleId :
TK3-10-20170227DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	31.4	19.8	29.6#

Manual Integrations
APPROVED

mohammad
3/1/2017 4:09:07 PM



#91
Benzo(g,h,i)perylene
Concen: 14.50 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093285.D
Acq: 1 Mar 2017 10:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	30.4	16.0	24.0#

