

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
 Data File : BF092825.D
 Acq On : 7 Feb 2017 13:26
 Operator : SJ/MA
 Sample : I1699-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F-1

Manual Integrations
 APPROVED

mohammad
 2/8/2017 10:42:44 AM

Quant Time: Feb 07 15:49:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	150067	20.00	ng	-0.06
21) Naphthalene-d8	8.19	136	601589	20.00	ng	-0.07
38) Acenaphthene-d10	9.94	164	299891	20.00	ng	-0.07
63) Phenanthrene-d10	11.42	188	439234	20.00	ng	-0.07
75) Chrysene-d12	14.08	240	331142	20.00	ng	-0.07
86) Perylene-d12	15.53	264	293068	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	681337	77.89	ng	-0.06
7) Phenol-d6	6.56	99	159541	141.77	ng	-0.05
23) Nitrobenzene-d5	7.47	82	753985	69.79	ng	-0.07
41) 2,4,6-Tribromophenol	10.74	330	104935	48.38	ng	-0.07
44) 2-Fluorobiphenyl	9.26	172	1310412	79.16	ng	-0.07
78) Terphenyl-d14	13.01	244	985450	69.92	ng	-0.07
Target Compounds						
10) Phenol	6.57	94	66426	5.04	ng	Qvalue # 61
49) Dimethylphthalate	9.66	163	146695	7.26	ng	99
70) Phenanthrene	11.46	178	282257	11.22	ng	96
71) Anthracene	11.50	178	79546	3.15	ng	98
74) Fluoranthene	12.65	202	475405	18.32	ng	91
77) Pyrene	12.88	202	407661	16.45	ng	98
80) Benzo(a)anthracene	14.07	228	176911	8.73	ng	97
82) Chrysene	14.10	228	156266m	8.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	59995	4.08	ng	98
87) Benzo(b)fluoranthene	15.11	252	187664m	9.73	ng	
88) Benzo(k)fluoranthene	15.12	252	83452m	5.01	ng	
89) Benzo(a)pyrene	15.46	252	116033	6.95	ng	# 87
91) Benzo(a,h,i)perylene	17.41	276	54103	3.97	ng	# 86

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

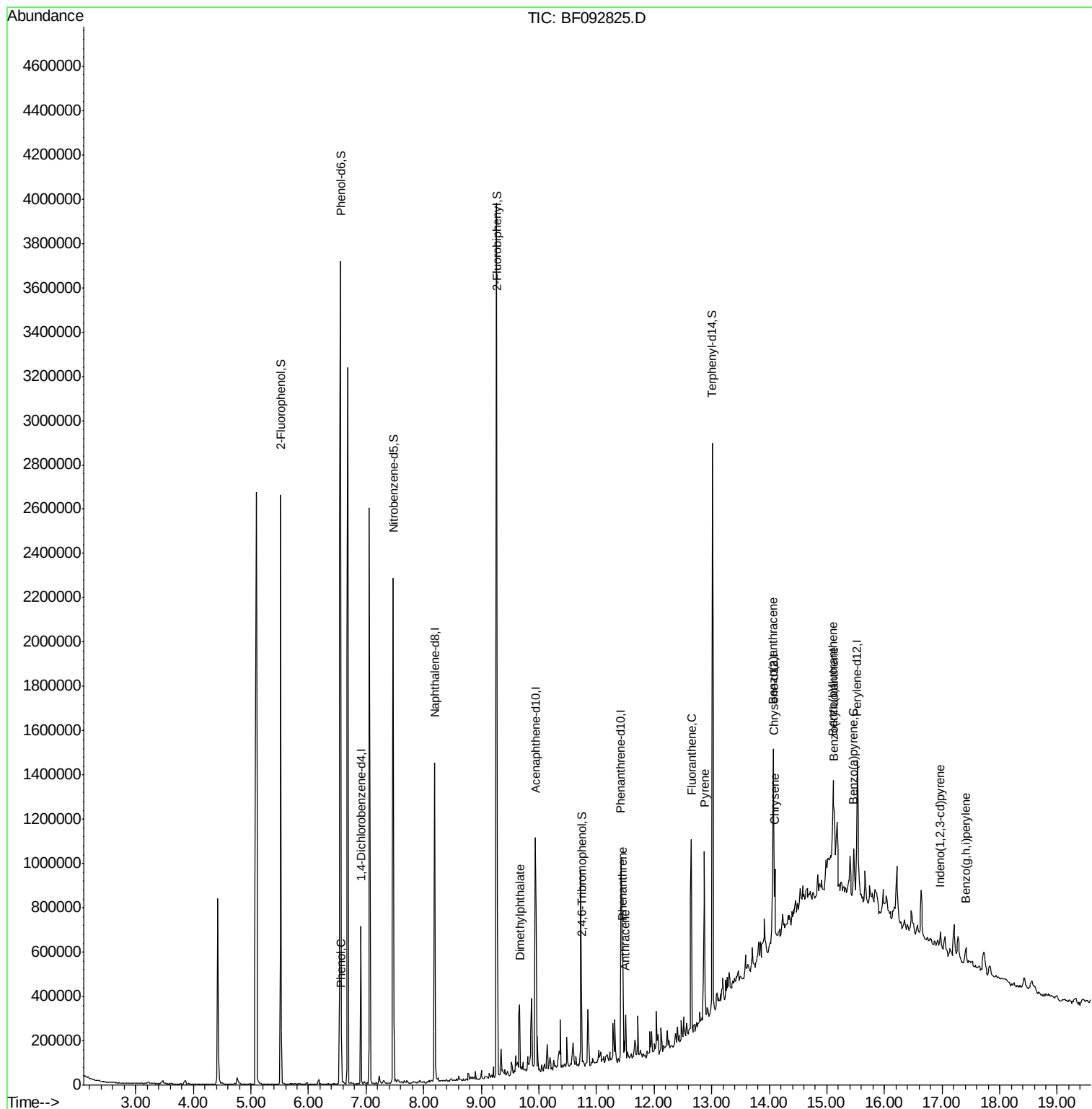
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
Data File : BF092825.D
Acq On : 7 Feb 2017 13:26
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

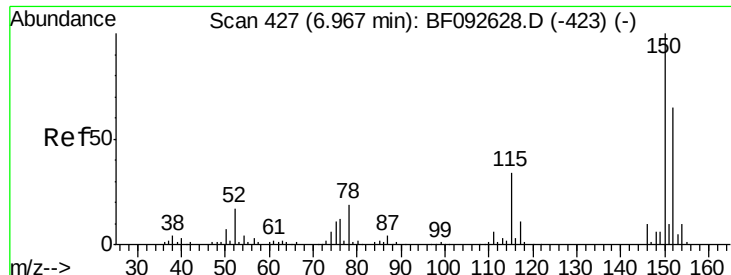
Instrument :
BNA_F
ClientSampleId :
F-1

Manual Integrations
APPROVED

mohammad
2/8/2017 10:42:44 AM

Quant Time: Feb 07 15:49:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

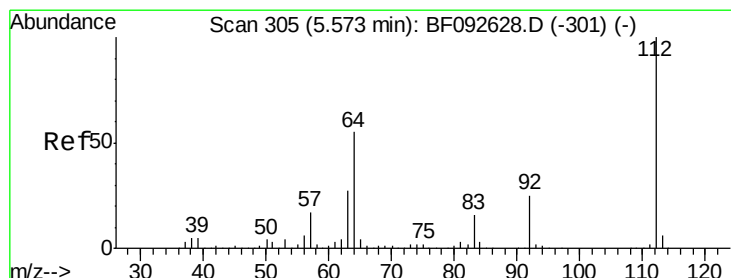
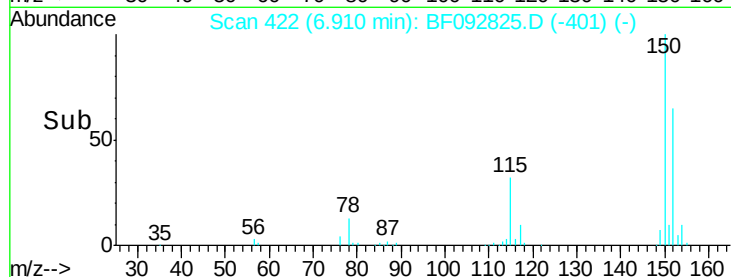
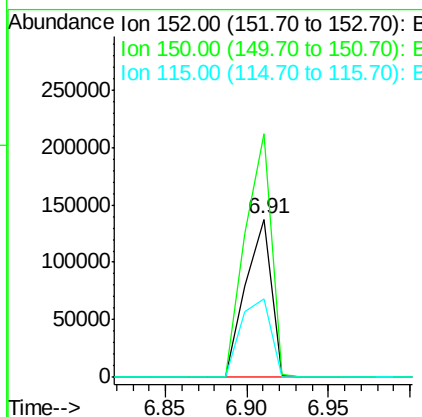
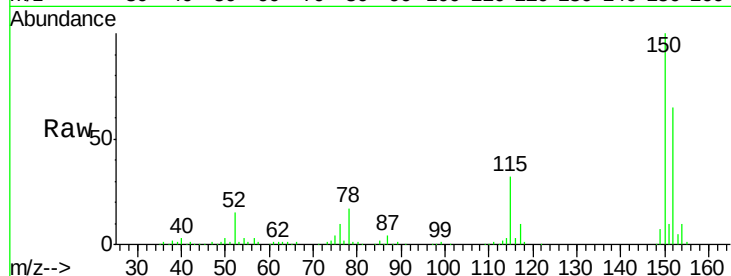
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.06 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampled :
F-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.9	187.3
115	49.3	46.0	69.0

Manual Integrations
APPROVED

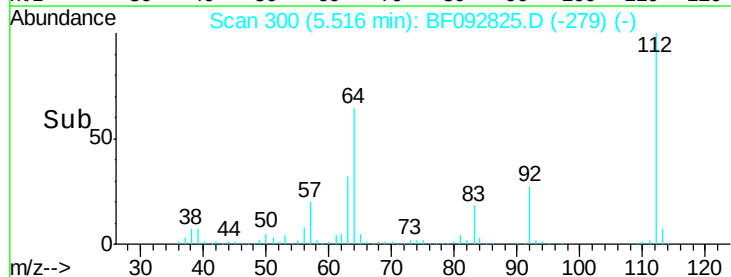
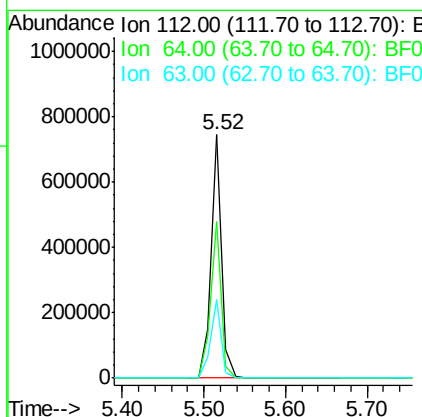
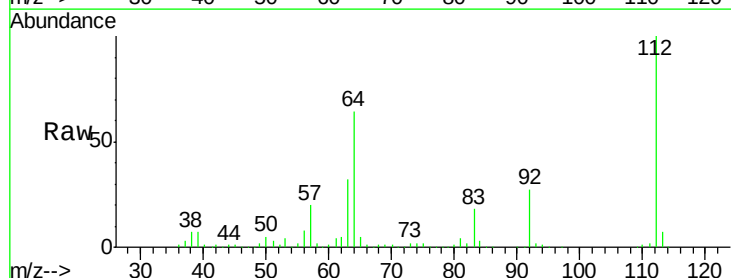
mohammad
2/8/2017 10:42:44 AM

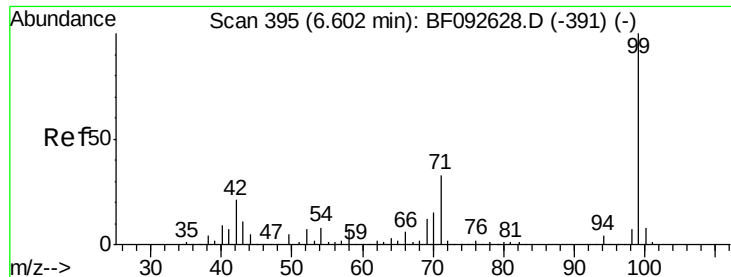


#5

2-Fluorophenol
Concen: 77.89 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.06 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	46.1	69.1
63	32.2	23.8	35.6





#7

Phenol-d6

Concen: 141.77 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092825.D

Acq: 7 Feb 2017 13:26

Instrument :

BNA_F

ClientSampleId :

F-1

Tot Ion: 99 Resp: 1595541

Ion Ratio Lower Upper

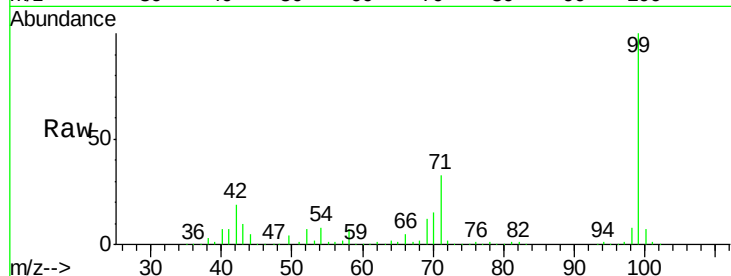
99 100

42 19.0 15.6 23.4

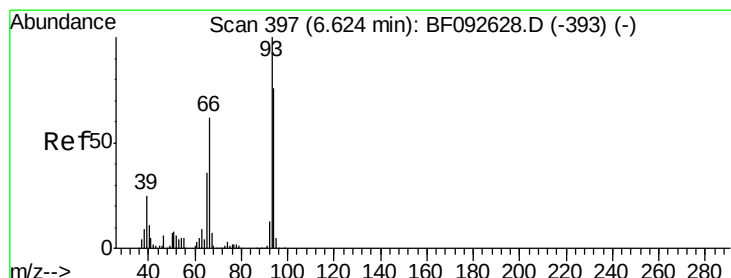
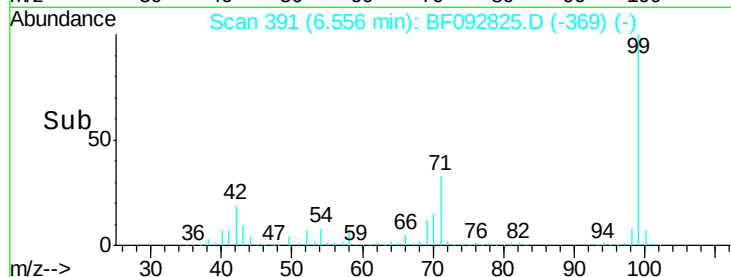
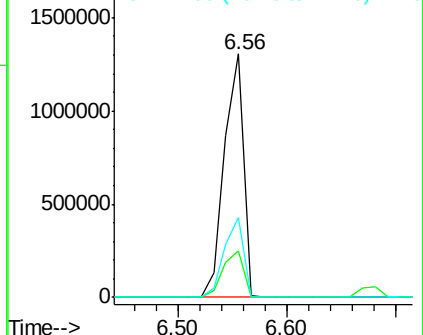
71 32.6 27.5 41.3

Manual Integrations
APPROVED

mohammad
2/8/2017 10:42:44 AM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.04 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.06 min

Lab File: BF092825.D

Acq: 7 Feb 2017 13:26

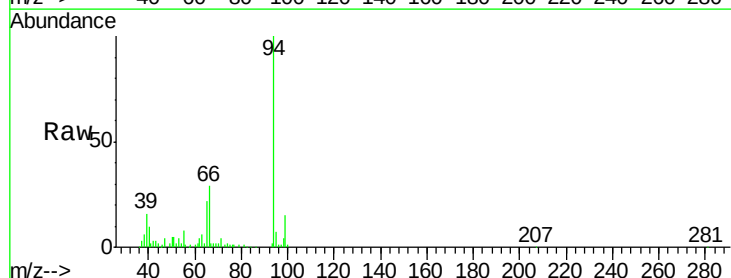
Tgt Ion: 94 Resp: 66426

Ion Ratio Lower Upper

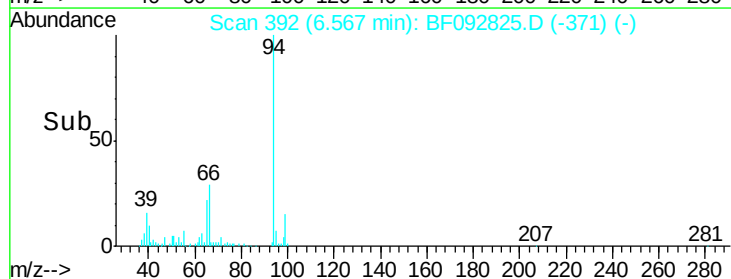
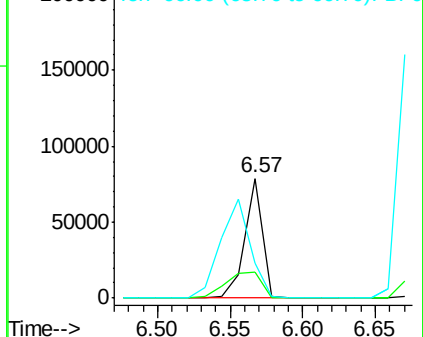
94 100

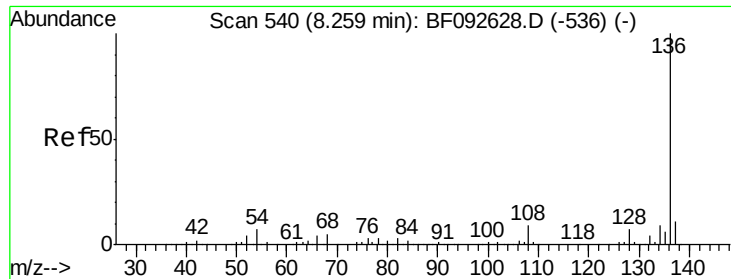
65 22.2 21.4 61.4

66 29.1 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





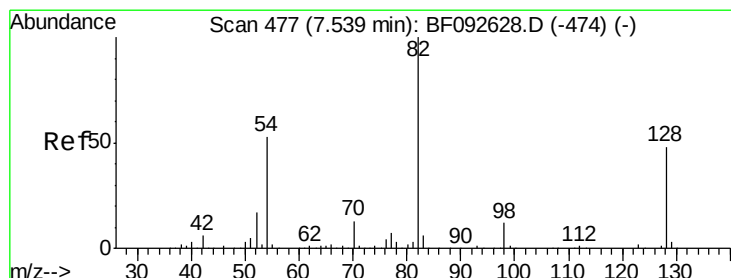
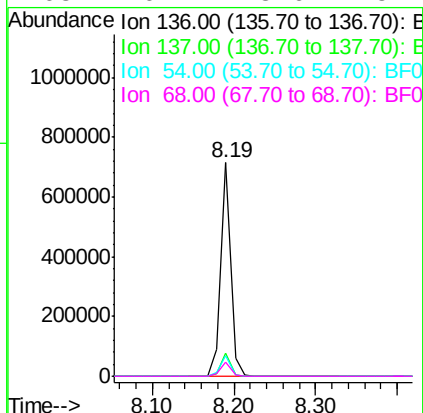
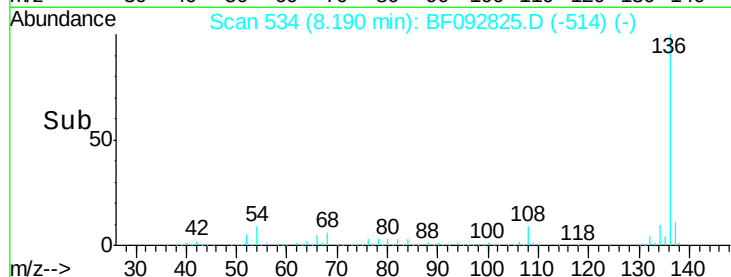
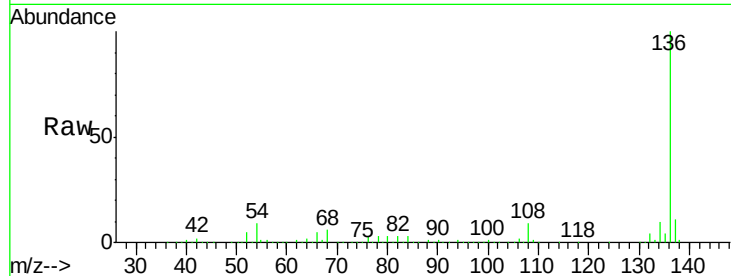
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampled :
F-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	601589		
137	11.0	8.4	12.6	
54	9.5	4.5	6.7#	
68	6.4	3.6	5.4#	

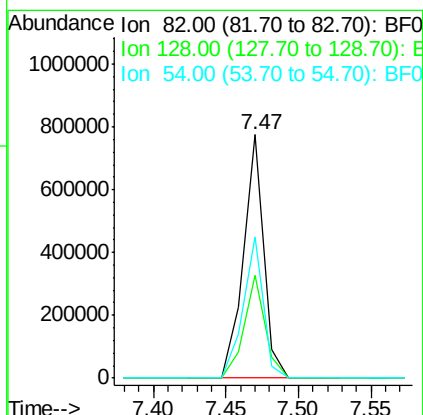
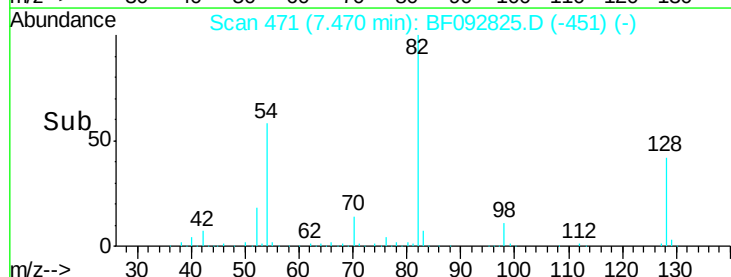
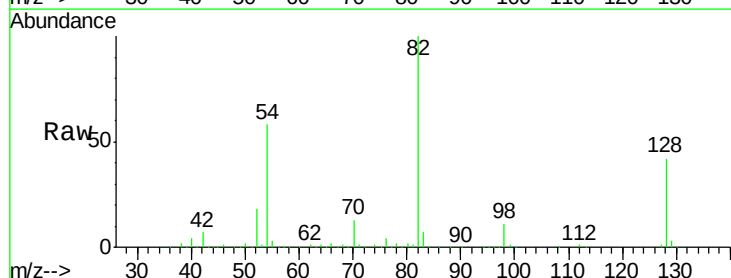
Manual Integrations
APPROVED

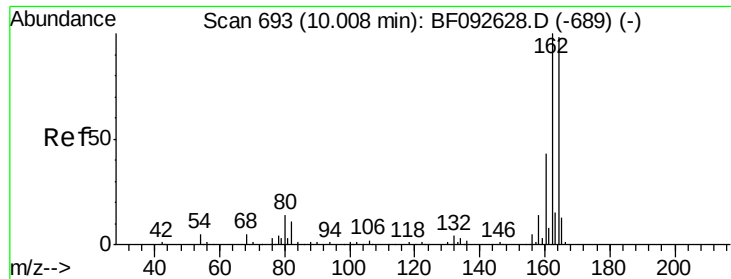
mohammad
2/8/2017 10:42:44 AM



#23
Nitrobenzene-d5
Concen: 69.79 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	753985		
128	42.3	34.6	52.0	
54	57.8	39.5	59.3	





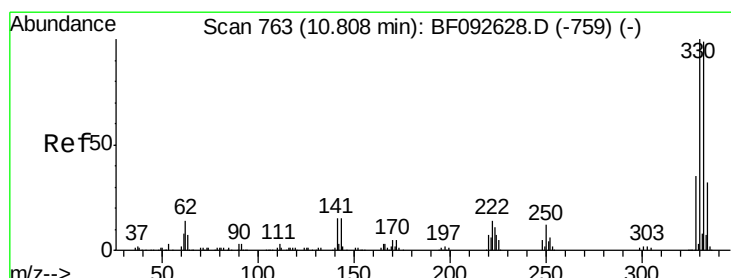
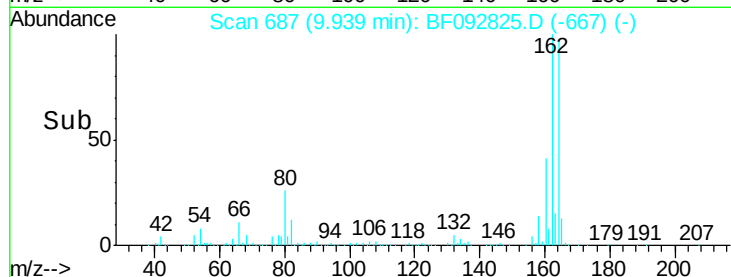
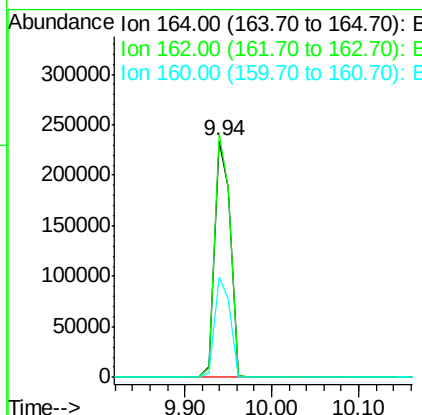
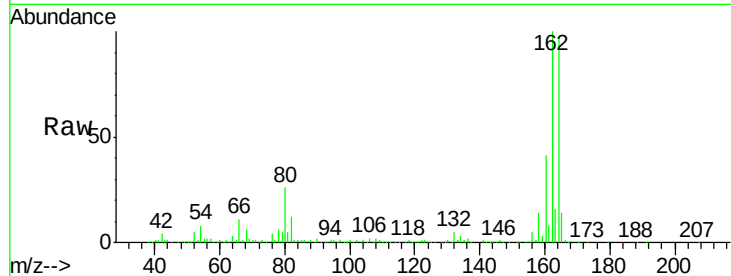
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	299891		
162	103.0		80.2	120.2
160	42.6		36.9	55.3

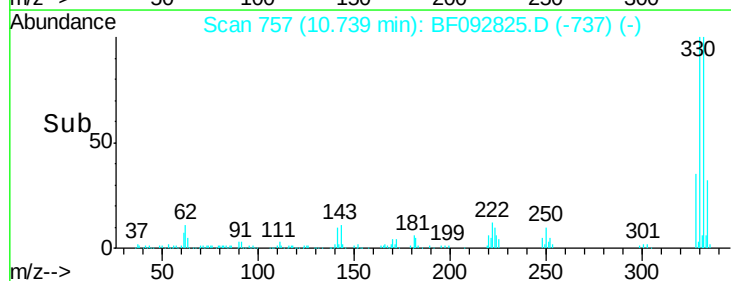
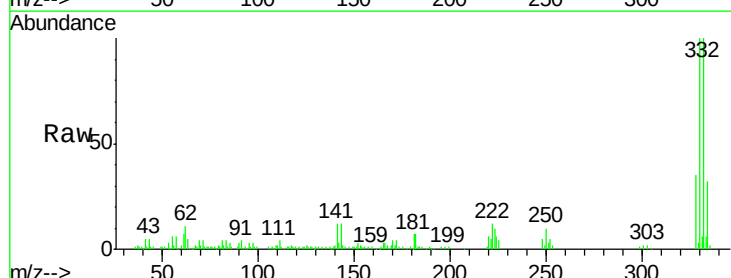
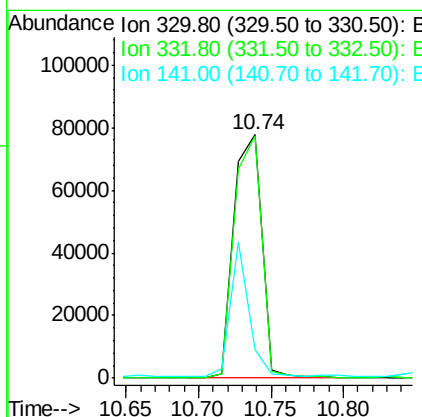
Manual Integrations
APPROVED

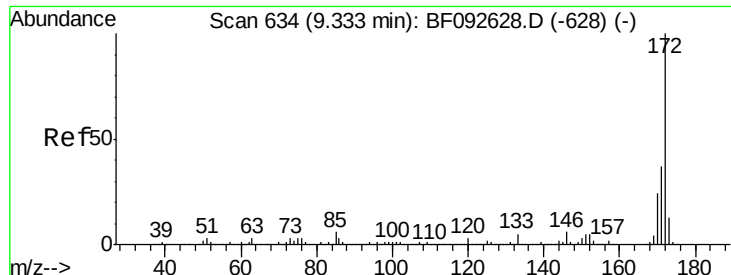
mohammad
2/8/2017 10:42:44 AM



#41
2,4,6-Tribromophenol
Concen: 48.38 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	104935		
332	98.0		77.4	116.2
141	37.0		34.1	51.1





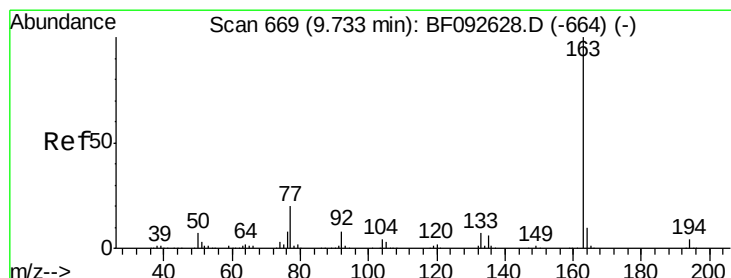
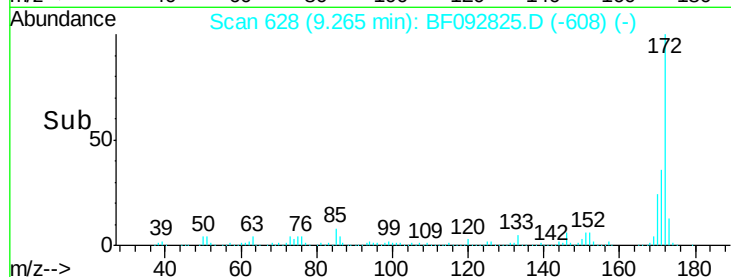
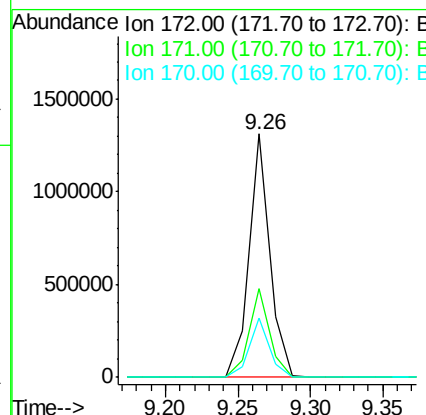
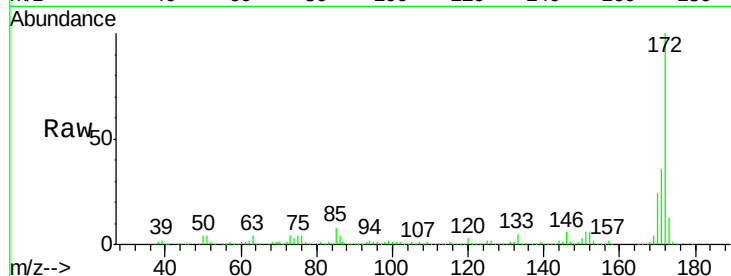
#44
2-Fluorobiphenyl
Concen: 79.16 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.1	20.2	30.4

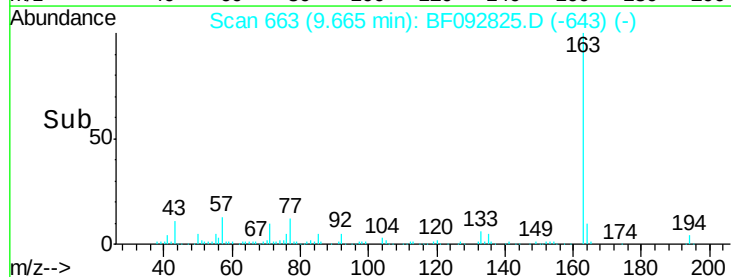
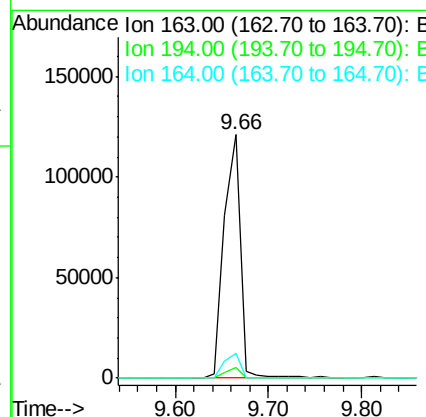
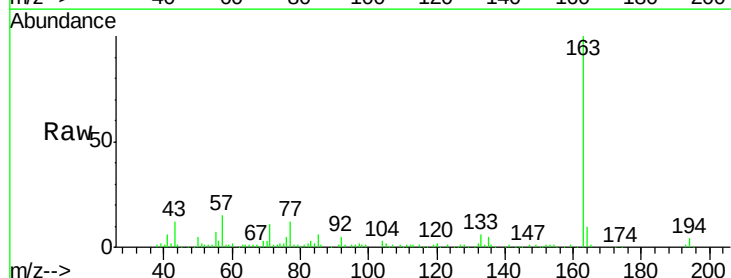
Manual Integrations
APPROVED

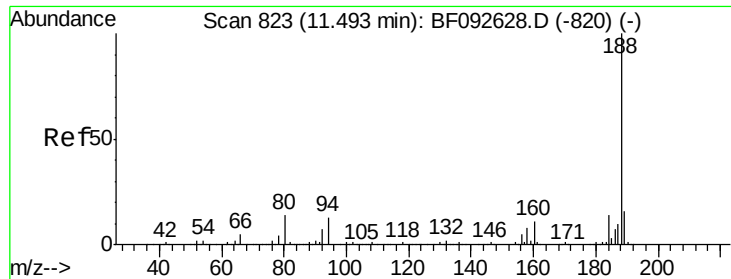
mohammad
2/8/2017 10:42:44 AM



#49
Dimethylphthalate
Concen: 7.26 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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





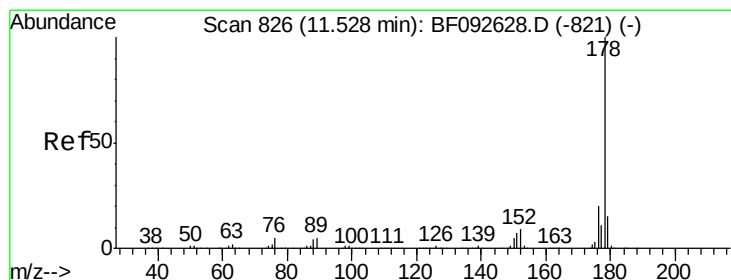
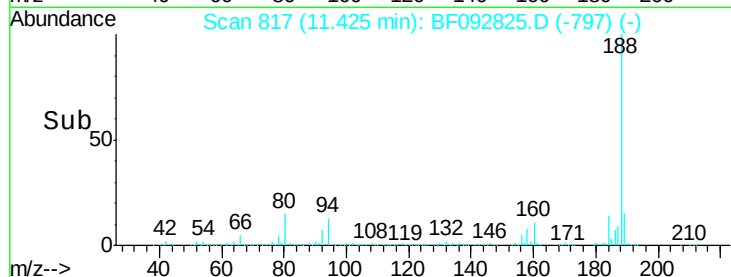
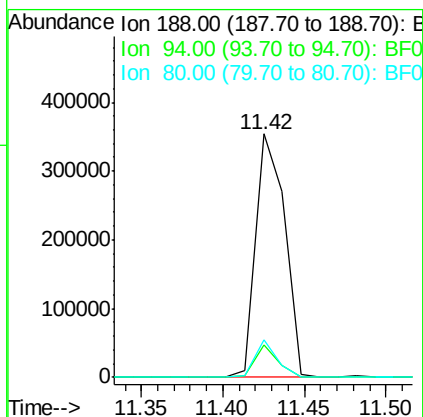
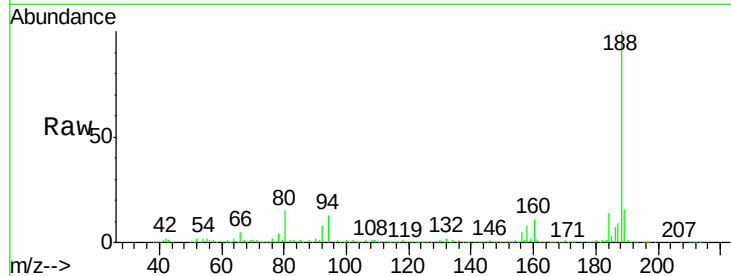
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampled :
F-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	439234		
94	13.1		10.0	15.0
80	15.5		11.2	16.8

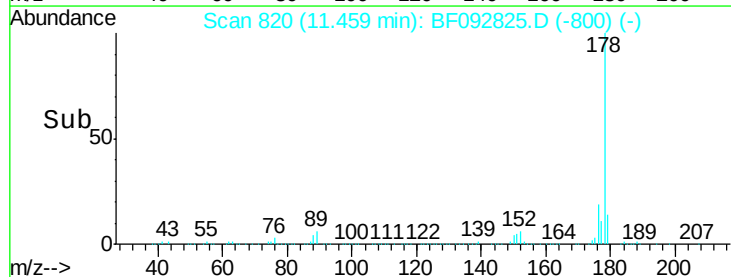
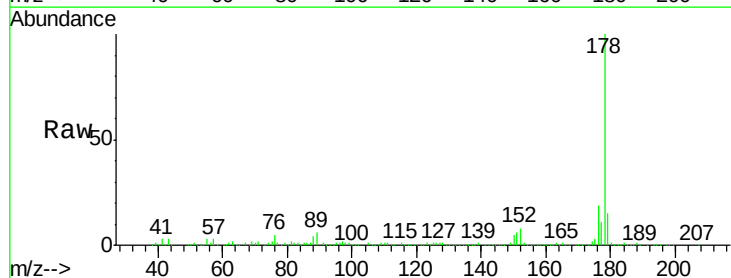
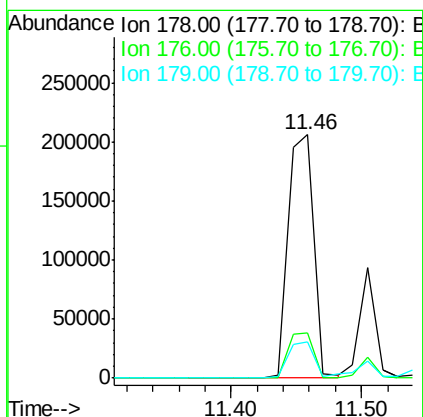
Manual Integrations
APPROVED

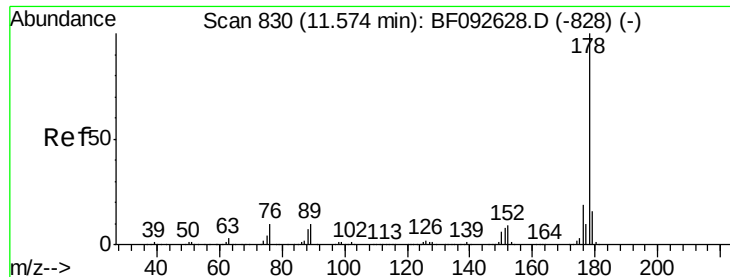
mohammad
2/8/2017 10:42:44 AM



#70
Phenanthrene
Concen: 11.22 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	282257		
176	18.7		16.6	25.0
179	14.8		12.8	19.2





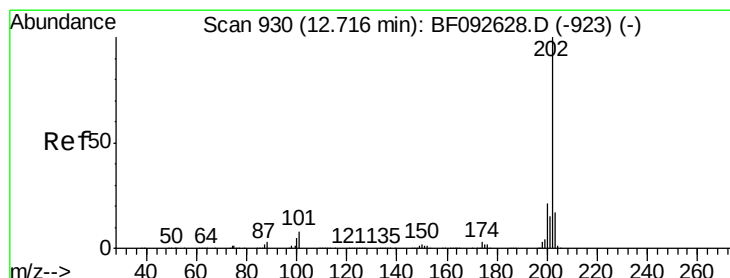
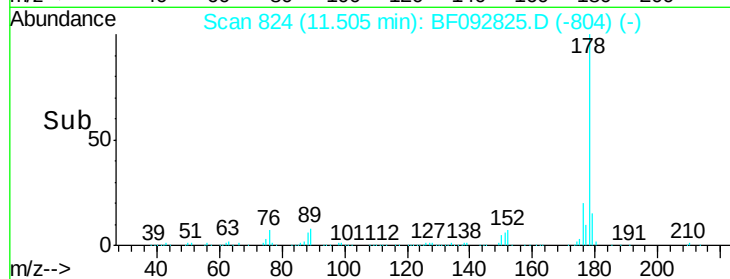
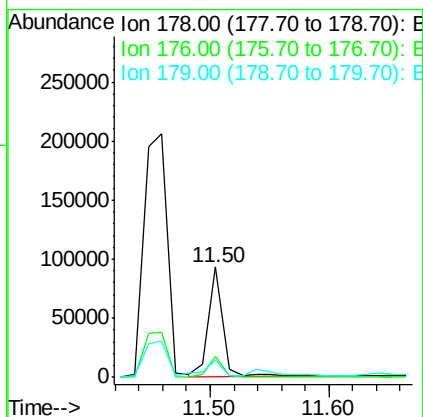
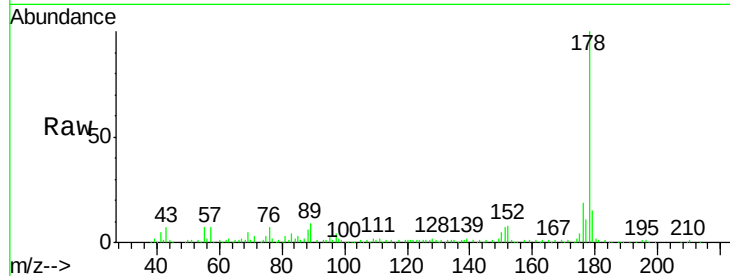
#71
 Anthracene
 Concen: 3.15 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.07 min
 Lab File: BF092825.D
 Acq: 7 Feb 2017 13:26

Instrument :
 BNA_F
 ClientSampled :
 F-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.0	13.2	19.8

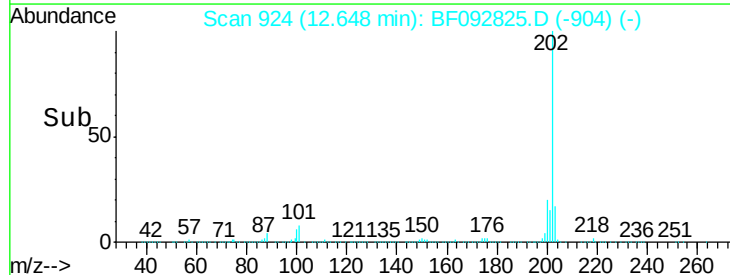
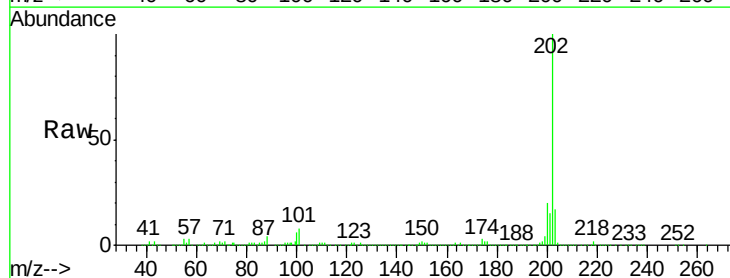
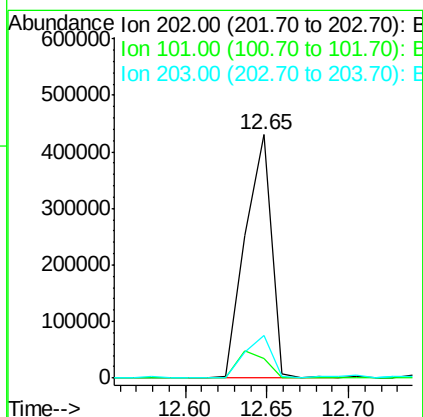
Manual Integrations
 APPROVED

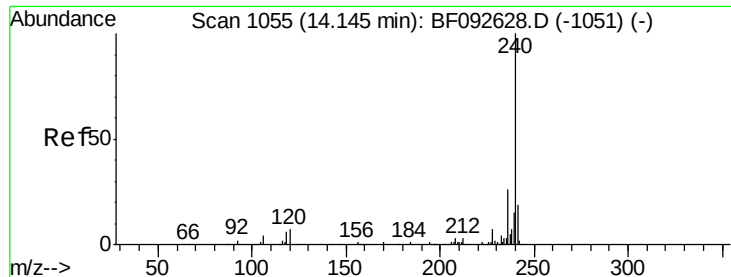
mohammad
 2/8/2017 10:42:44 AM



#74
 Fluoranthene
 Concen: 18.32 ng
 RT: 12.65 min Scan# 924
 Delta R.T. -0.07 min
 Lab File: BF092825.D
 Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	34.6
203	17.4	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.07 min

Lab File: BF092825.D

Acq: 7 Feb 2017 13:26

Instrument :

BNA_F

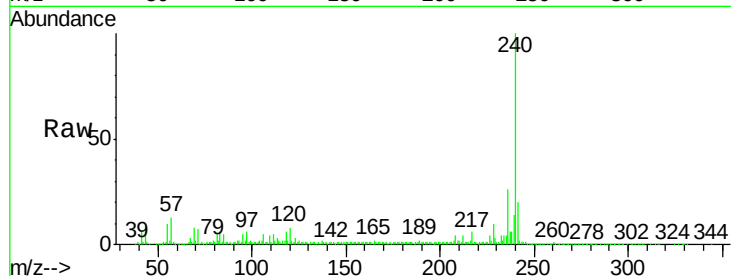
ClientSampleId :

F-1

Tot Ion:	240	Resp:	331142
Ion Ratio	Lower	Upper	
240	100		
120	7.5	12.9	19.3#
236	25.6	20.9	31.3

Manual Integrations
APPROVED

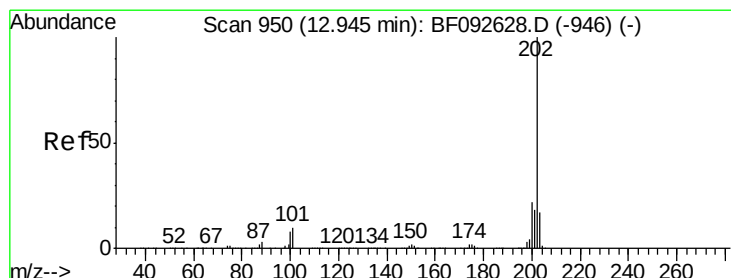
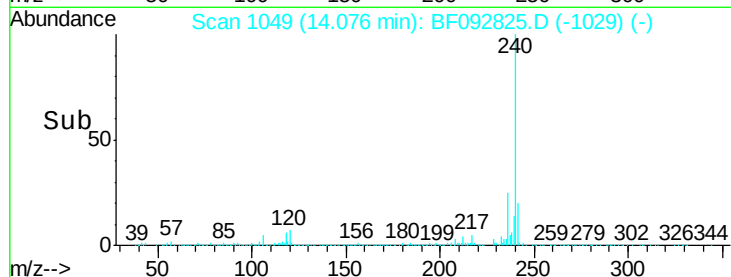
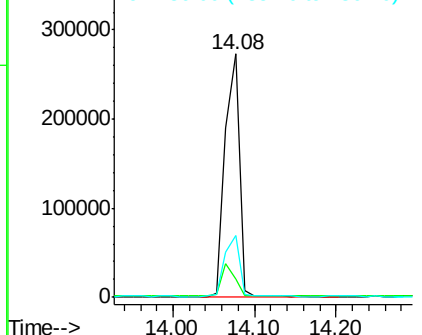
mohammad
2/8/2017 10:42:44 AM



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: 16.45 ng

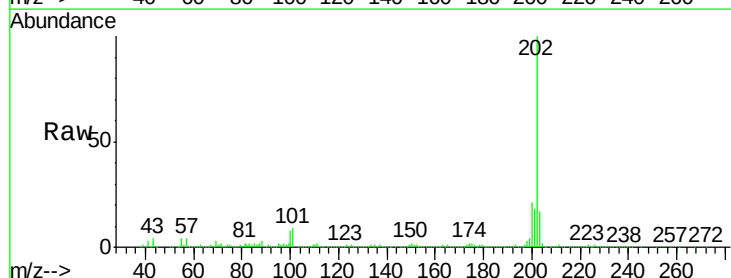
RT: 12.88 min Scan# 944

Delta R.T. -0.07 min

Lab File: BF092825.D

Acq: 7 Feb 2017 13:26

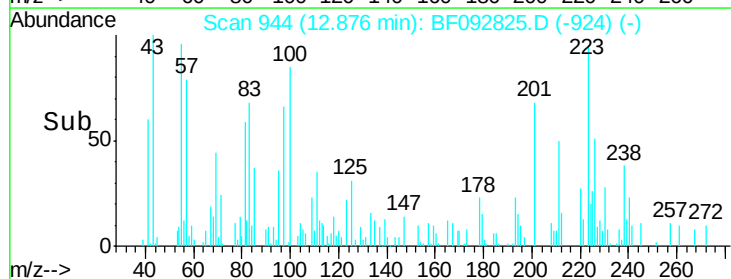
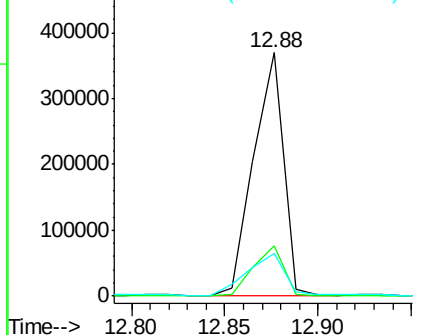
Tgt Ion:	202	Resp:	407661
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.7	26.5
203	17.5	14.7	22.1

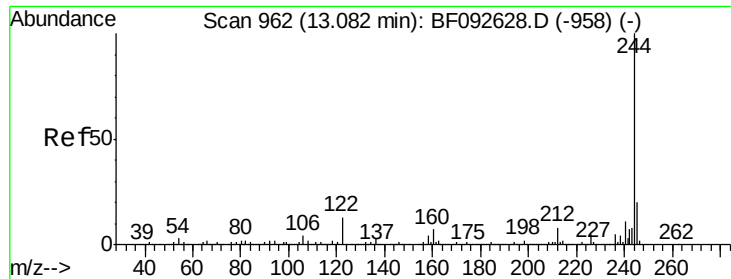


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.92 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092825.D

Acq: 7 Feb 2017 13:26

Instrument :

BNA_F

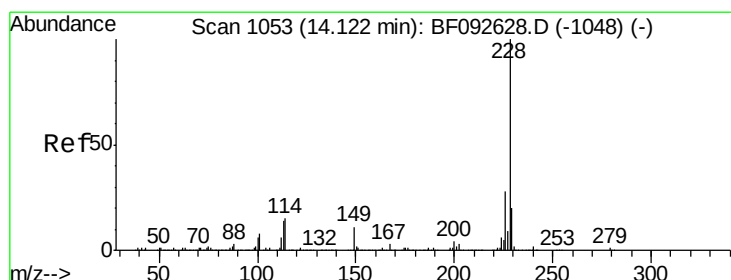
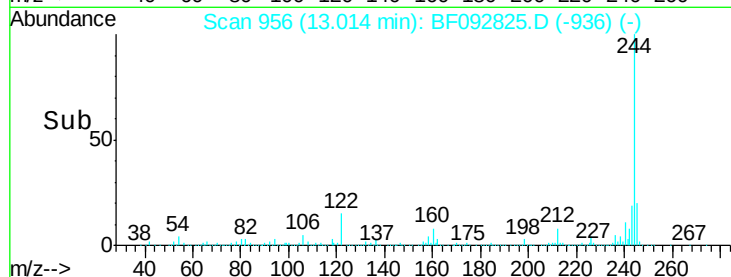
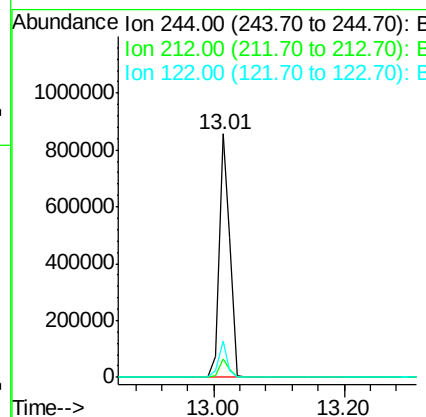
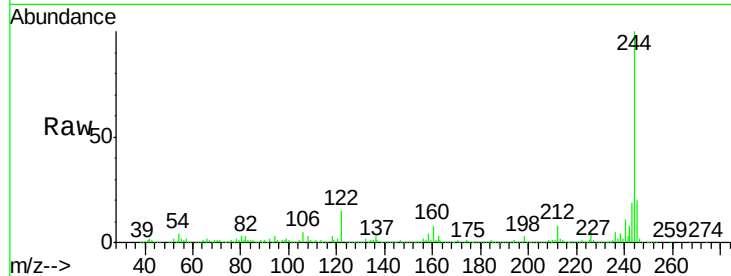
ClientSampled :

F-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	15.0	11.4	17.2

Manual Integrations
APPROVED

mohammad
2/8/2017 10:42:44 AM



#80

Benzo(a)anthracene

Concen: 8.73 ng

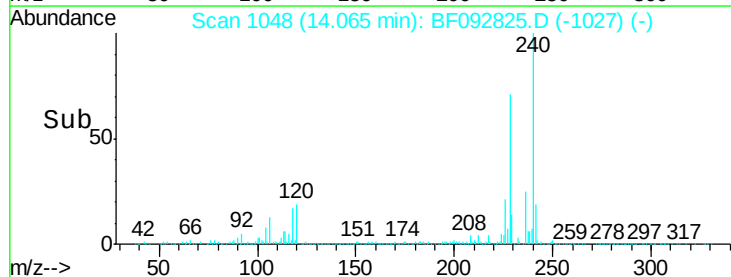
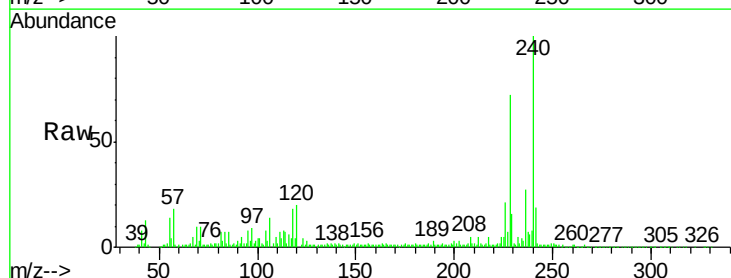
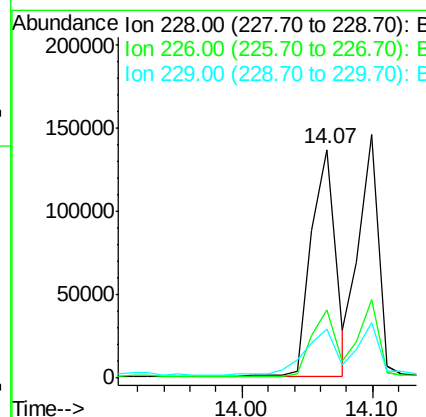
RT: 14.07 min Scan# 1048

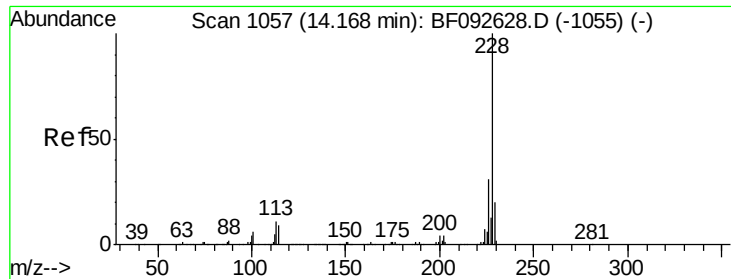
Delta R.T. -0.06 min

Lab File: BF092825.D

Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.4	33.6
229	21.6	16.2	24.4





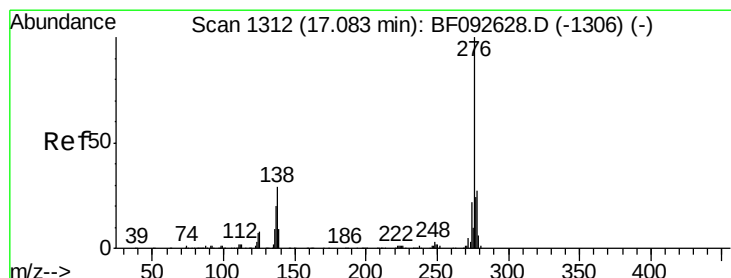
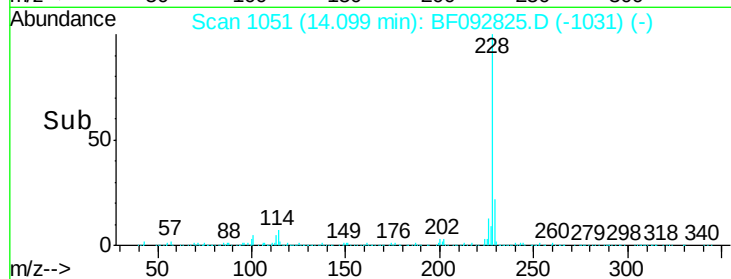
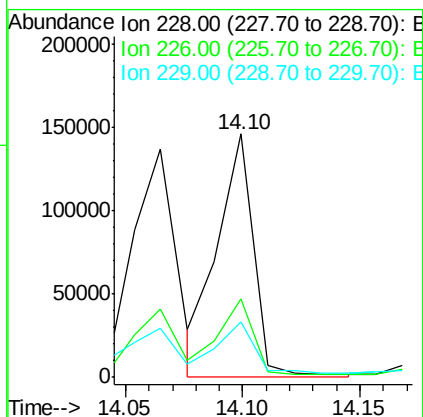
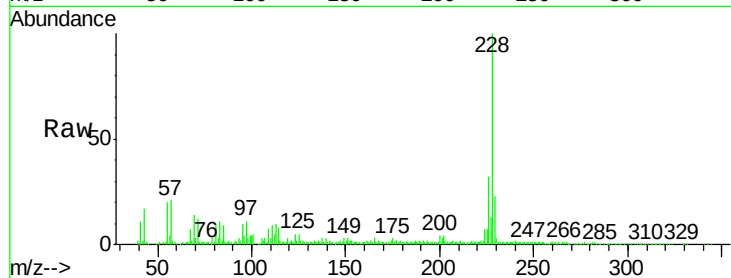
#82
Chrysene
Concen: 8.24 ng/ml
RT: 14.10 min Scan# 1051
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	22.9	16.2	24.2

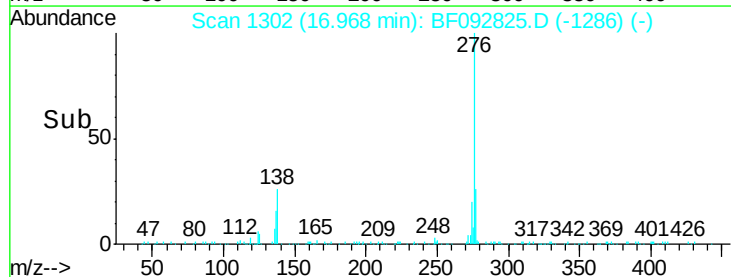
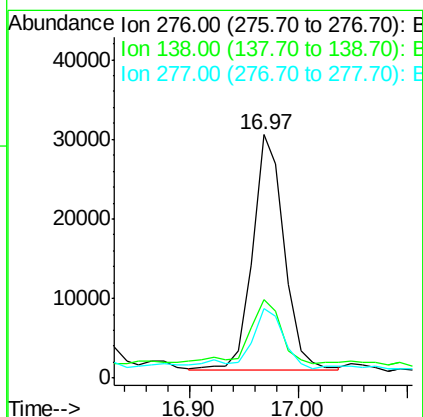
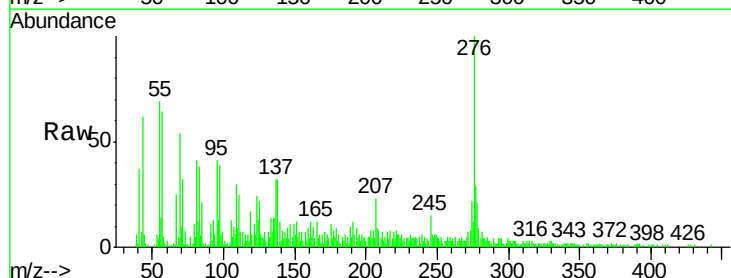
Manual Integrations
APPROVED

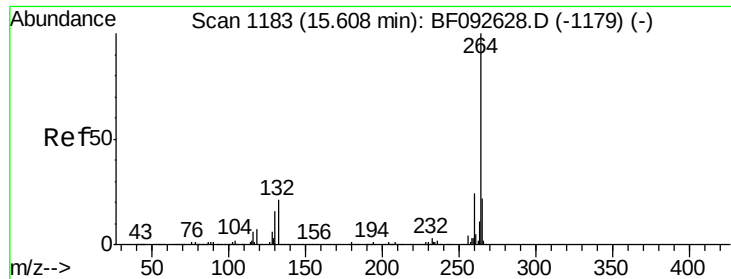
mohammad
2/8/2017 10:42:44 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.08 ng
RT: 16.97 min Scan# 1302
Delta R.T. -0.11 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.8	32.6
277	25.1	20.2	30.4





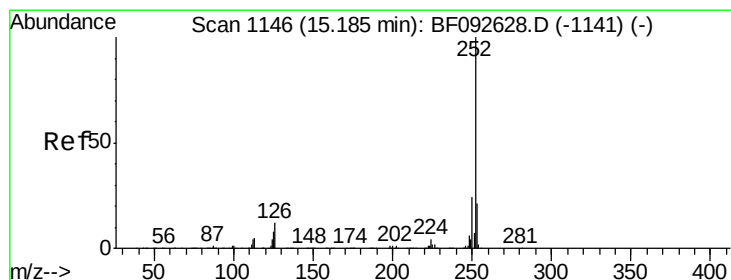
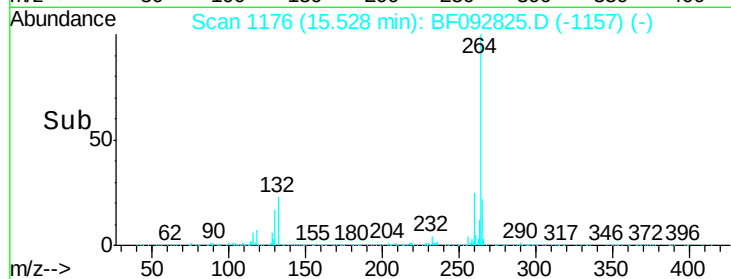
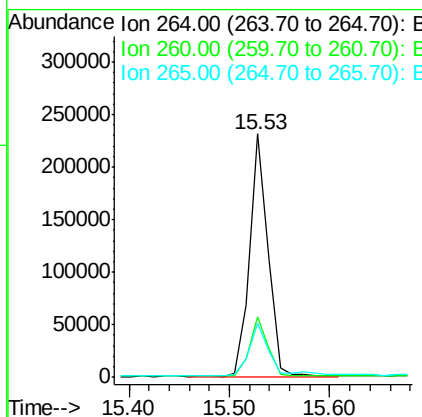
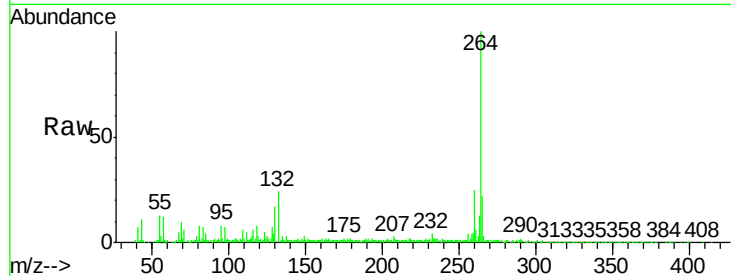
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.0	19.2	28.8	
265	22.4	17.4	26.0	

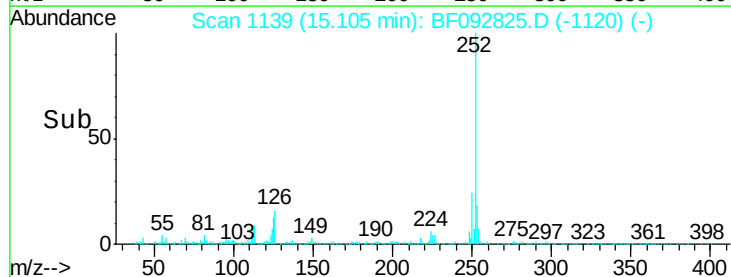
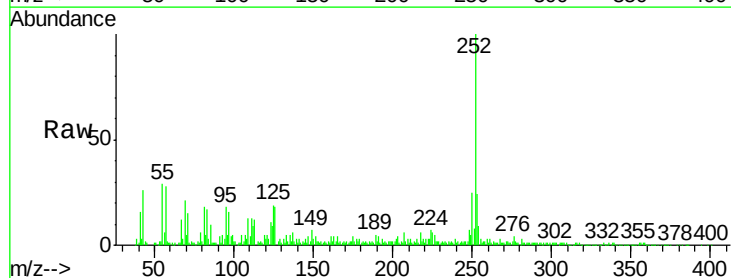
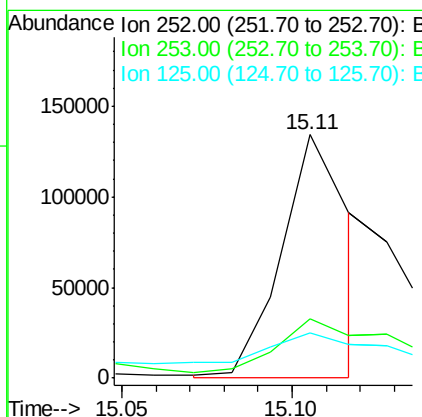
Manual Integrations
APPROVED

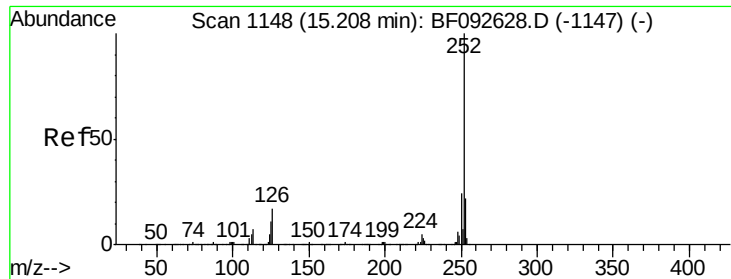
mohammad
2/8/2017 10:42:44 AM



#87
Benzo(b)fluoranthene
Concen: 9.73 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.1	18.2	27.4	
125	18.6	9.8	14.6	





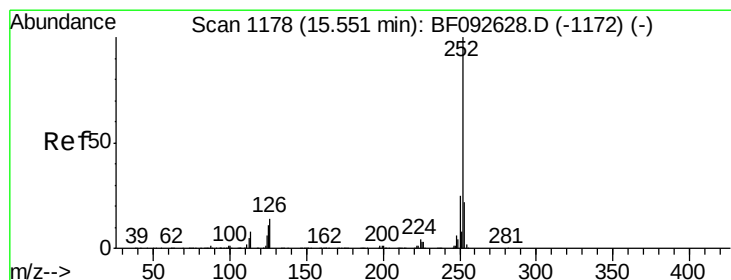
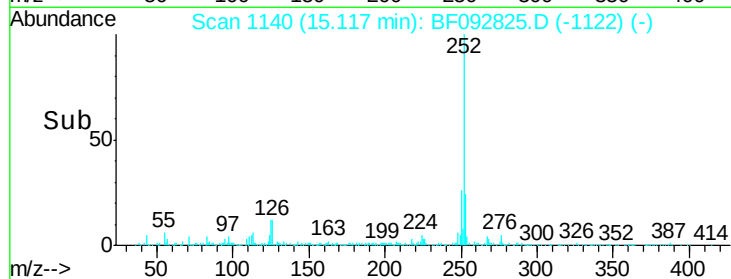
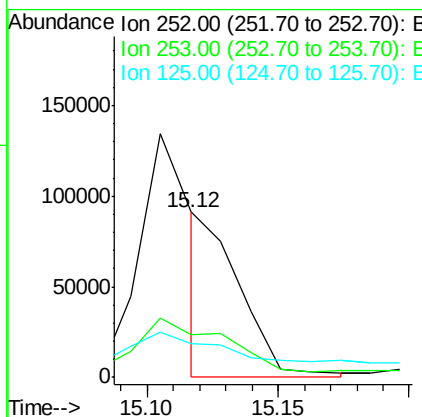
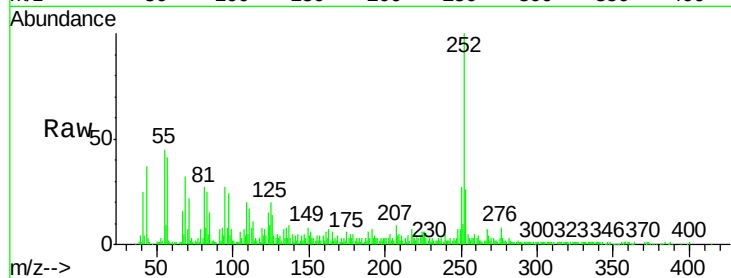
#88
Benzo(k)fluoranthene
Concen: 5.01 ng m
RT: 15.12 min Scan# 1140
Delta R.T. -0.09 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.5	27.7
125	20.2	8.9	13.3

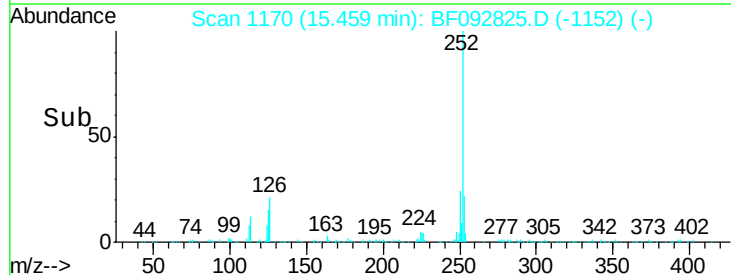
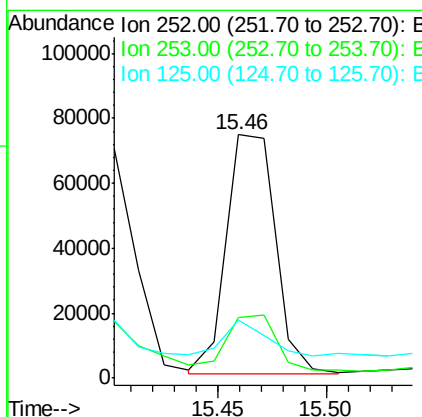
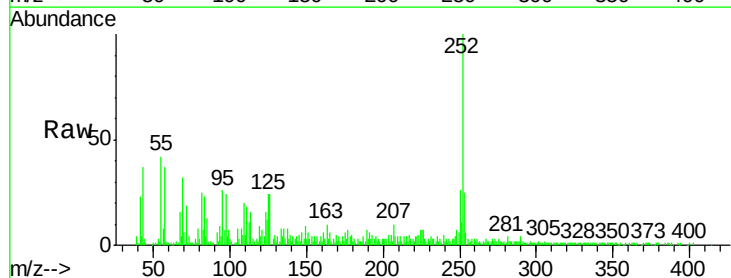
Manual Integrations
APPROVED

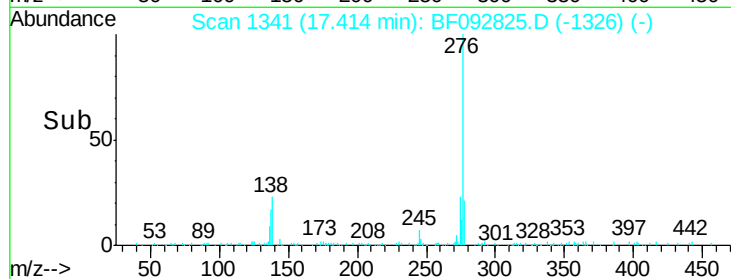
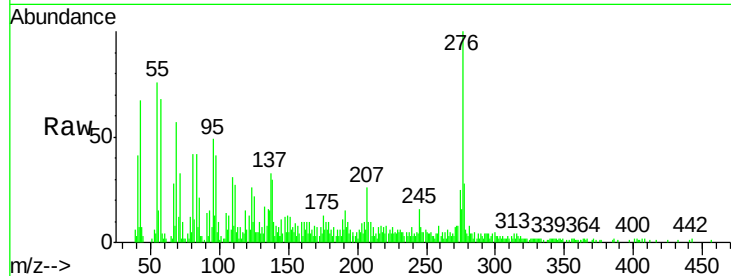
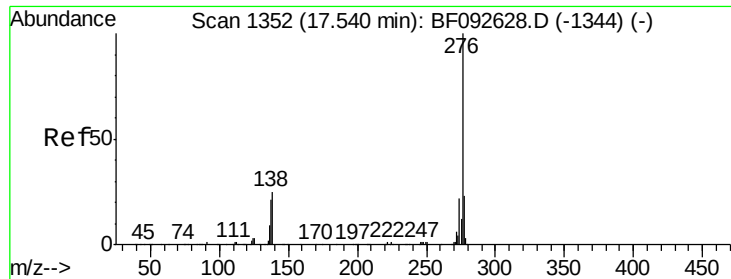
mohammad
2/8/2017 10:42:44 AM



#89
Benzo(a)pyrene
Concen: 6.95 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.09 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	23.6	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 3.97 ng
 RT: 17.41 min Scan# 1341
 Delta R.T. -0.13 min
 Lab File: BF092825.D
 Acq: 7 Feb 2017 13:26

Instrument :
 BNA_F
 ClientSampleId :
 F-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.2	28.8
138	29.8	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 2/8/2017 10:42:44 AM

