

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093127.D
 Acq On : 24 Feb 2017 1:52
 Operator : SJ/MA
 Sample : I1955-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

Manual Integrations
 APPROVED

mohammad
 2/24/2017 2:11:27 PM

Quant Time: Feb 24 03:07:23 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	6.84	152	157087	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	583640	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	236747	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	339987	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	314692	20.00	ng	-0.01
86) Perylene-d12	15.44	264	268182	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1120066	122.33	ng	-0.01
7) Phenol-d6	6.49	99	1418310	120.39	ng	0.00
23) Nitrobenzene-d5	7.41	82	851075	81.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	204211	119.26	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1268941	97.10	ng	-0.01
78) Terphenyl-d14	12.95	244	682416	50.95	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.38	77	20946	2.48	ng	86
10) Phenol	6.50	94	93239	6.76	ng	# 68
31) Naphthalene	8.16	128	263759	8.91	ng	98
49) Dimethylphthalate	9.60	163	89251	5.60	ng	98
70) Phenanthrene	11.39	178	341050	17.51	ng	97
71) Anthracene	11.44	178	112933	5.77	ng	97
73) Di-n-butylphthalate	11.93	149	84451	4.18	ng	# 97
74) Fluoranthene	12.58	202	666373	33.17	ng	97
77) Pyrene	12.81	202	680571	28.90	ng	99
80) Benzo(a)anthracene	14.00	228	472172	24.53	ng	98
82) Chrysene	14.03	228	439514m	24.39	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	221485	15.87	ng	98
87) Benzo(b)fluoranthene	15.03	252	537088m	30.43	ng	
88) Benzo(k)fluoranthene	15.04	252	237174m	15.56	ng	
89) Benzo(a)pyrene	15.38	252	437683	28.67	ng	99
90) Dibenzo(a,h)anthracene	16.84	278	59133m	4.79	ng	
91) Benzo(g,h,i)perylene	17.27	276	219673	17.62	ng	# 94

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

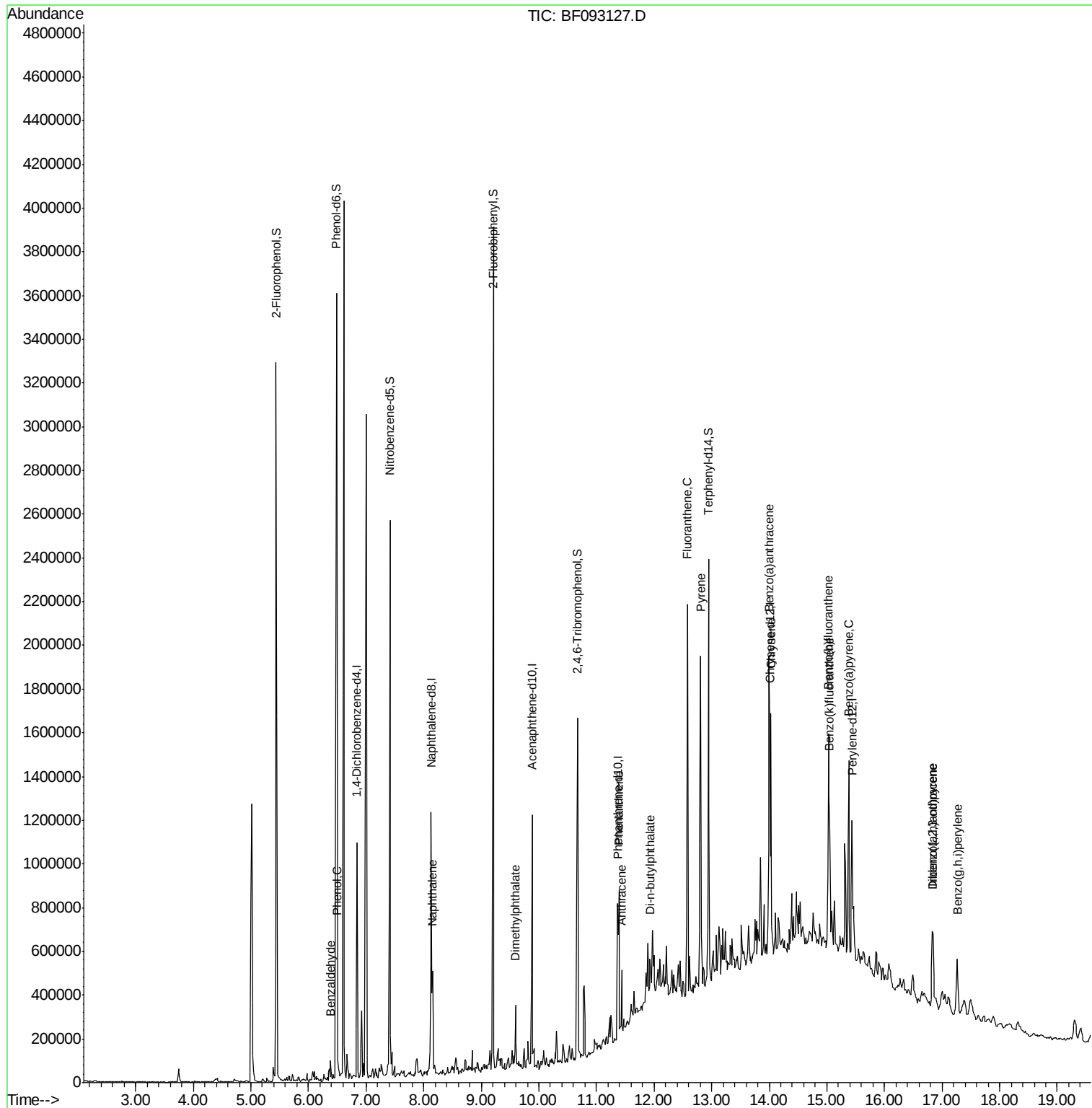
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
Data File : BF093127.D
Acq On : 24 Feb 2017 1:52
Operator : SJ/MA
Sample : I1955-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

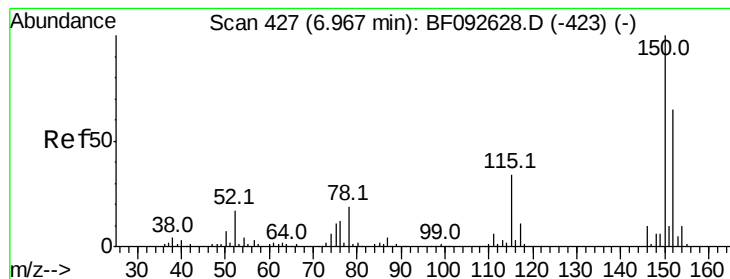
Instrument :
BNA_F
ClientSampleId :
B1-3

Manual Integrations
APPROVED

mohammad
2/24/2017 2:11:27 PM

Quant Time: Feb 24 03:07:23 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





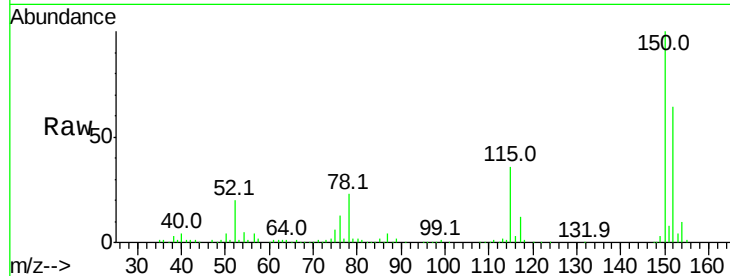
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

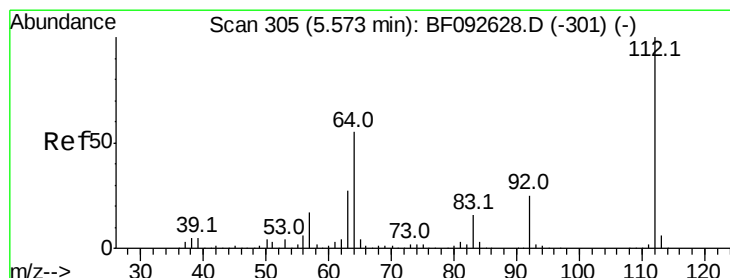
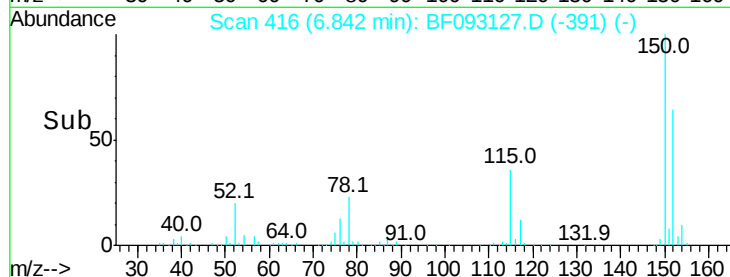
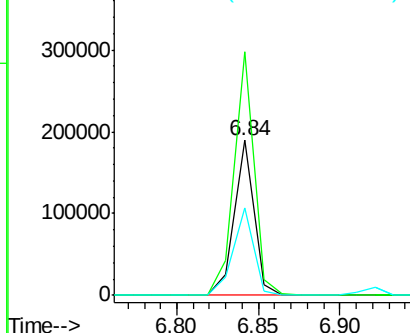
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	56.4	46.0	69.0

Manual Integrations
 APPROVED

mohammad
 2/24/2017 2:11:27 PM

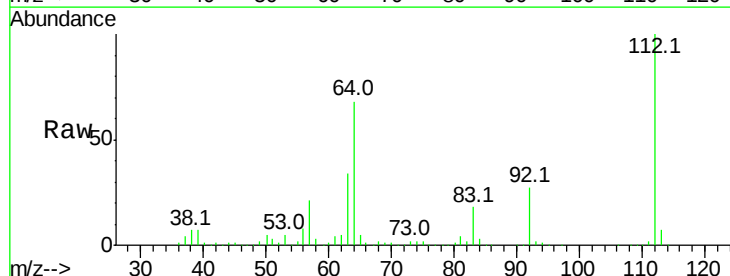


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

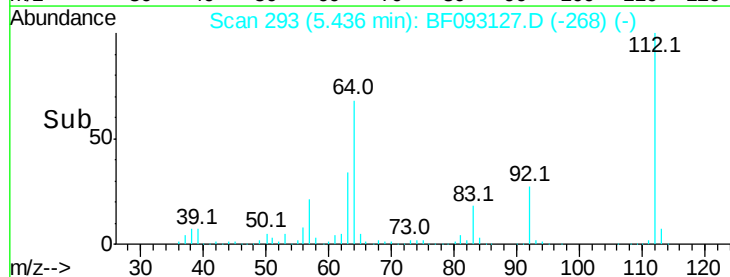
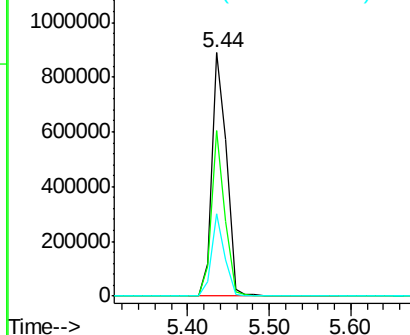


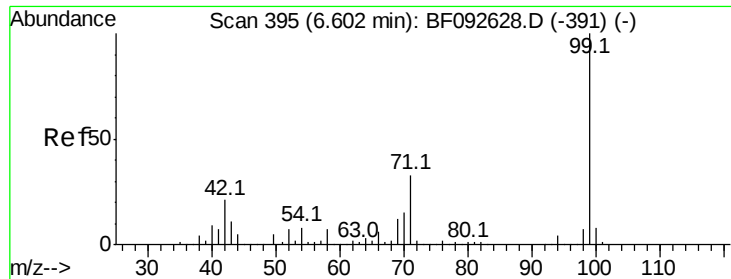
#5
 2-Fluorophenol
 Concen: 122.33 ng
 RT: 5.44 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	46.1	69.1
63	33.6	23.8	35.6



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: 120.39 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA_F

ClientSampleId :

B1-3

Tot Ion: 99 Resp: 1418310

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

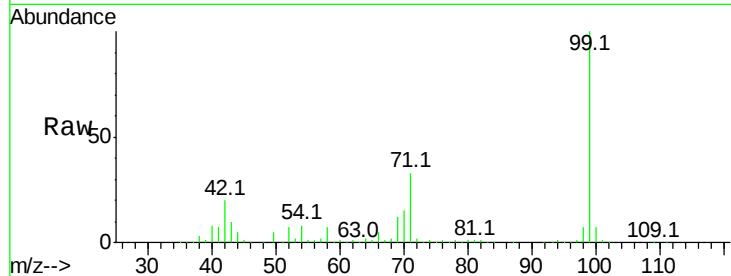
71 32.6 27.5 41.3

Manual Integrations

APPROVED

mohammad

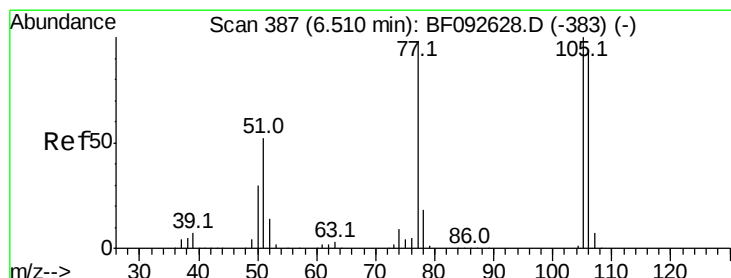
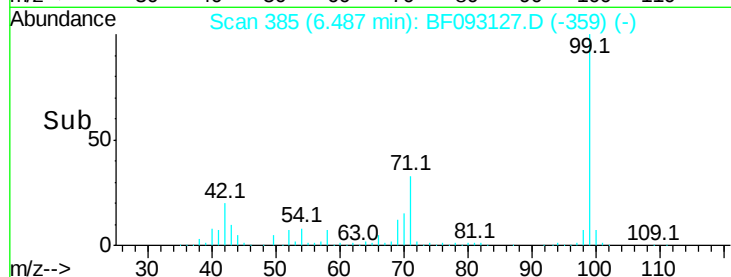
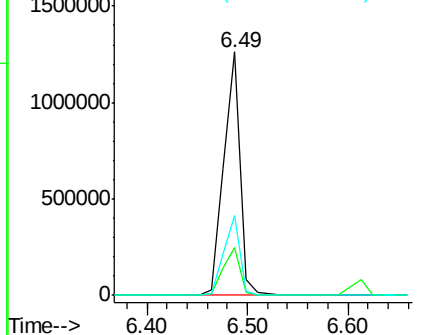
2/24/2017 2:11:27 PM



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



#9

Benzaldehyde

Concen: 2.48 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

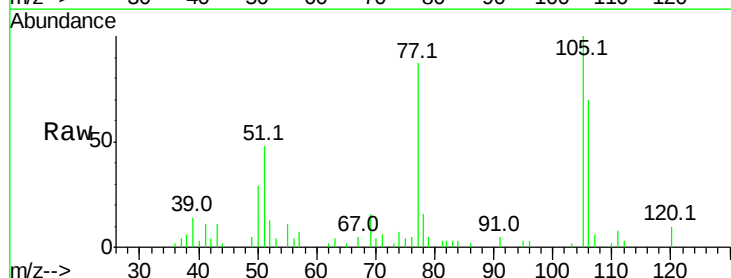
Tgt Ion: 77 Resp: 20946

Ion Ratio Lower Upper

77 100

105 115.0 83.9 123.9

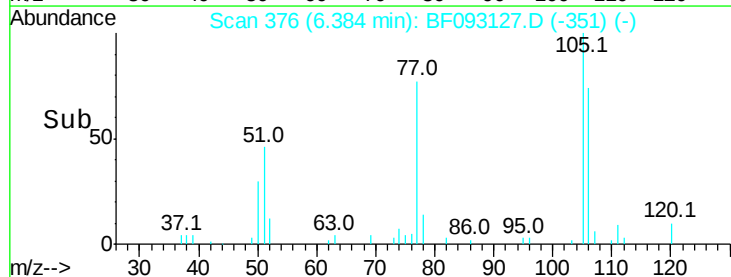
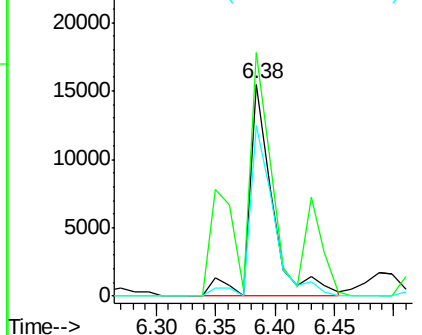
106 80.7 77.6 117.6

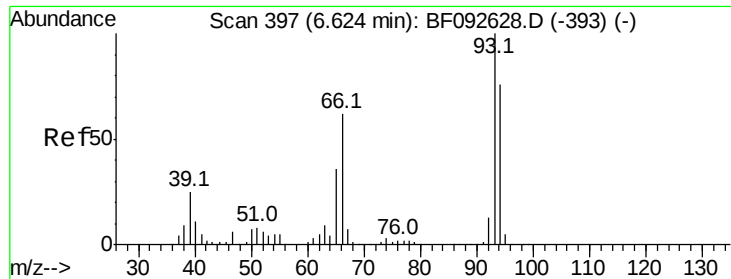


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





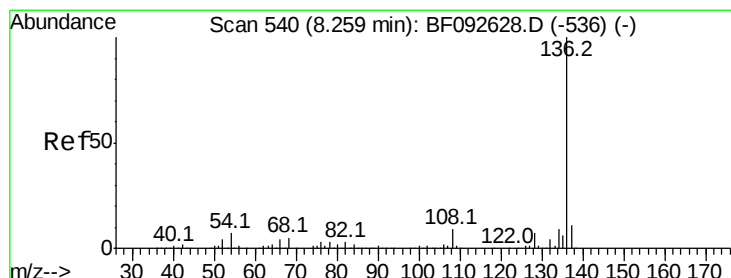
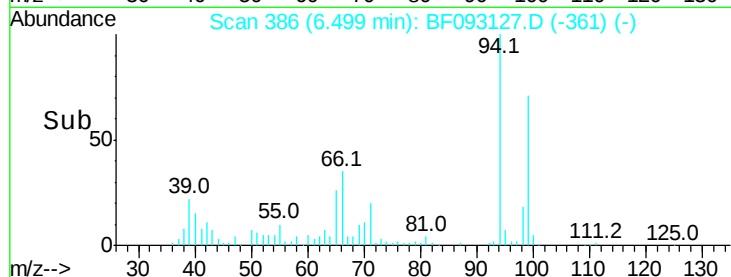
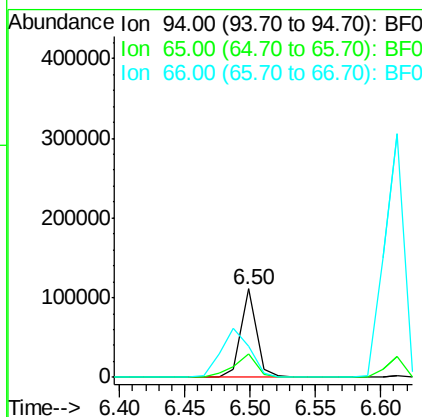
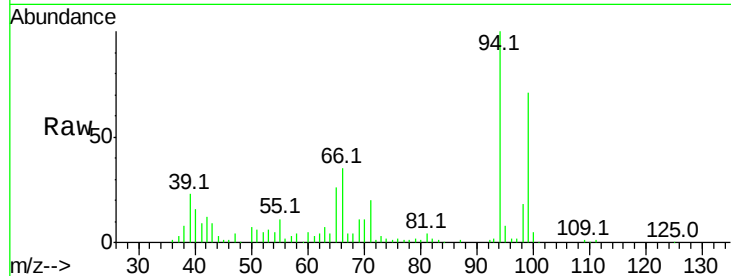
#10
Phenol
Concen: 6.76 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampleId :
B1-3

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.0	21.4	61.4
66	34.9	44.0	84.0#

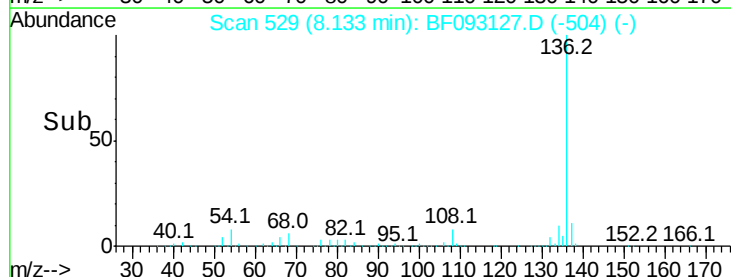
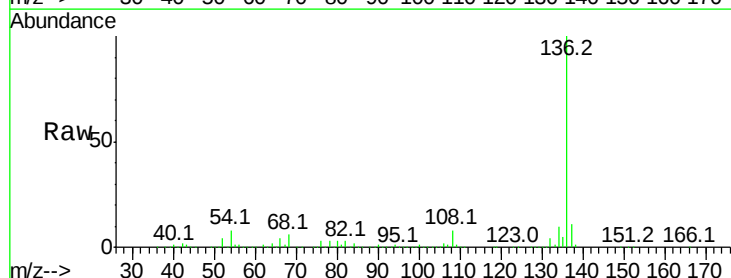
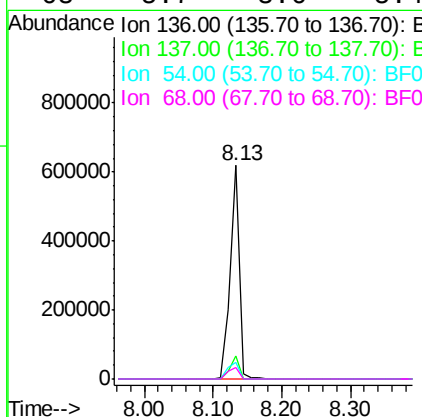
Manual Integrations
APPROVED

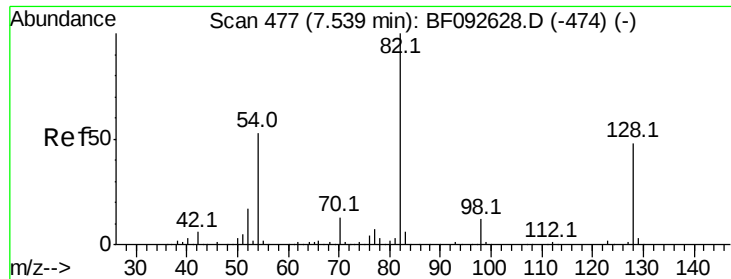
mohammad
2/24/2017 2:11:27 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.7	4.5	6.7#
68	5.7	3.6	5.4#





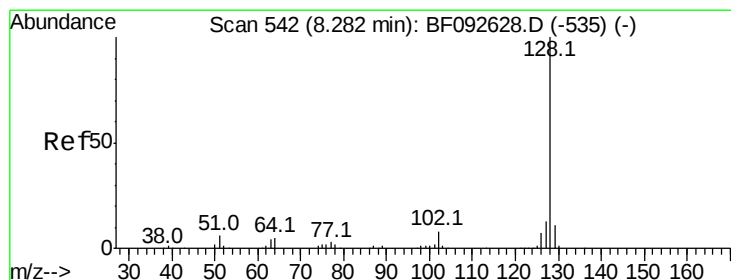
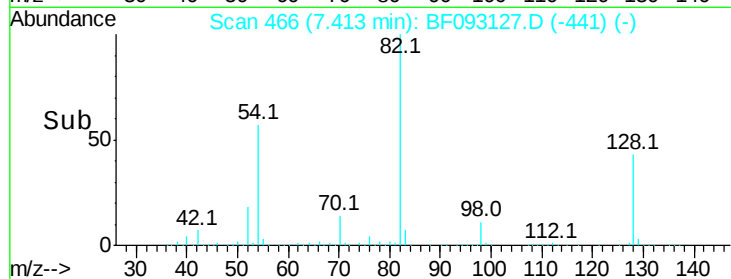
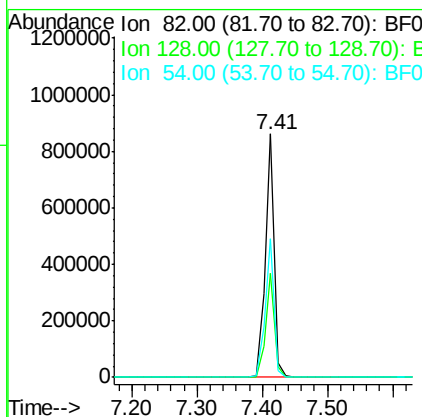
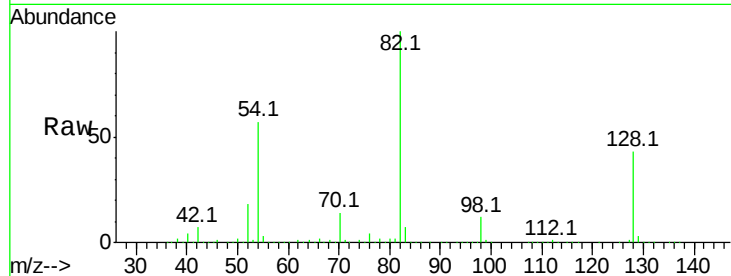
#23
Nitrobenzene-d5
Concen: 81.20 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.9	34.6	52.0	
54	56.9	39.5	59.3	

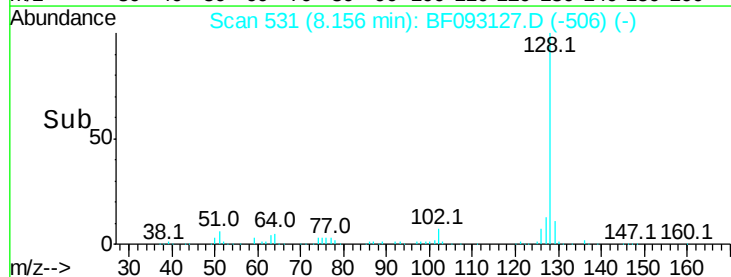
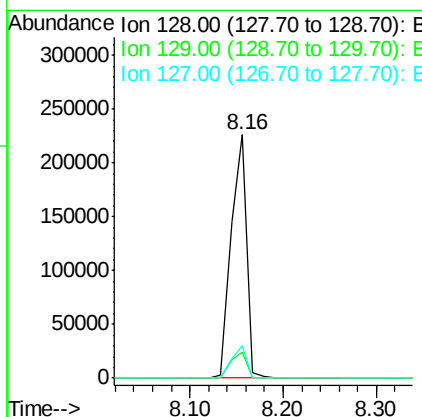
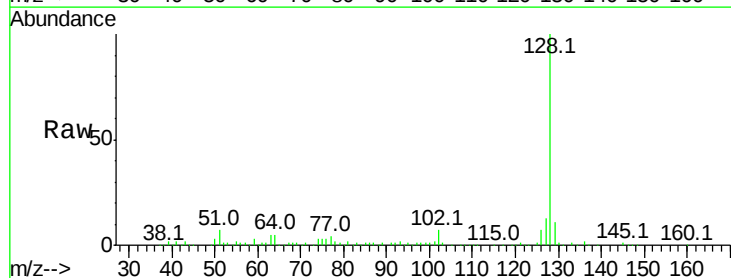
Manual Integrations
APPROVED

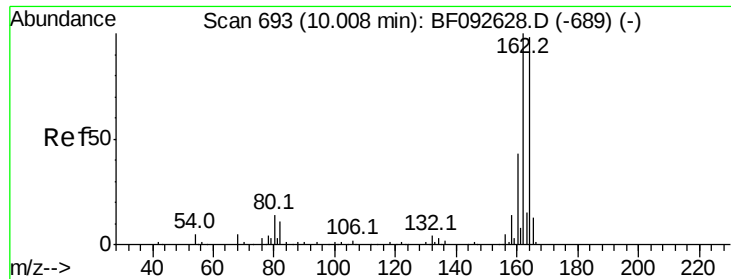
mohammad
2/24/2017 2:11:27 PM



#31
Naphthalene
Concen: 8.91 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.6	9.5	14.3	
127	13.1	10.8	16.2	





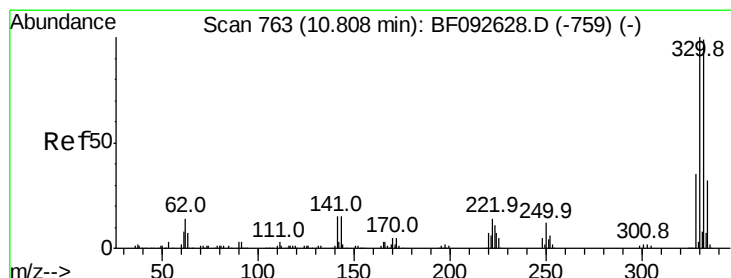
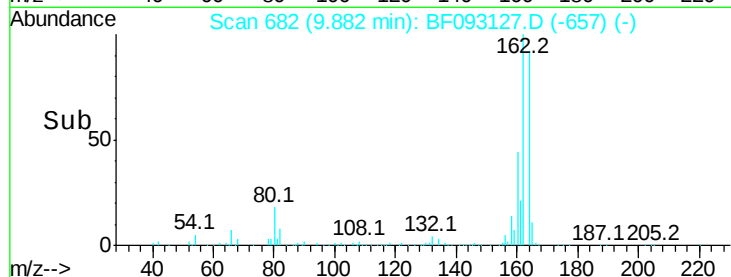
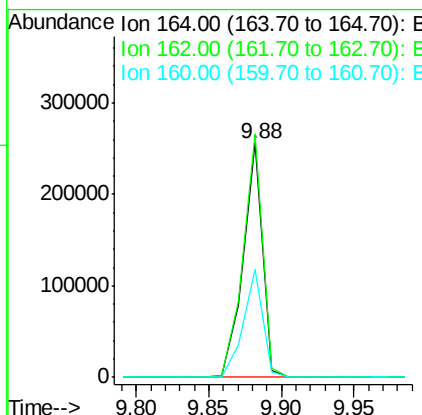
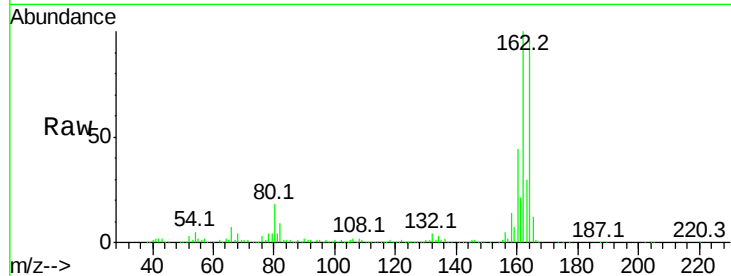
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	236747		
162	104.0		80.2	120.2
160	45.8		36.9	55.3

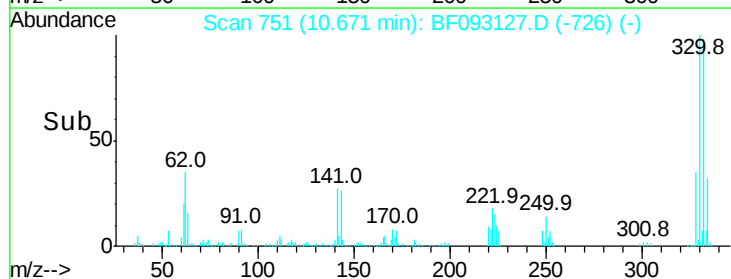
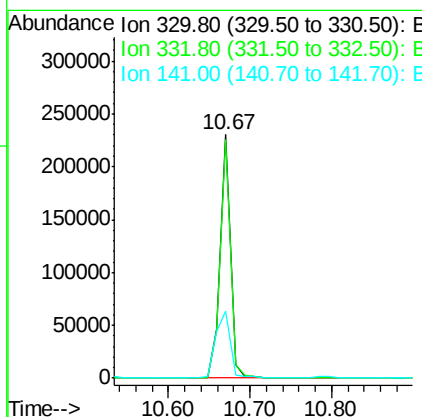
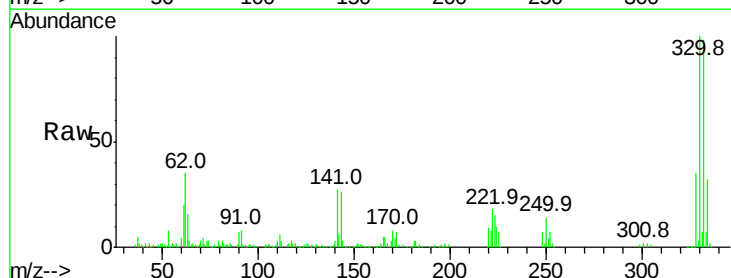
Manual Integrations
 APPROVED

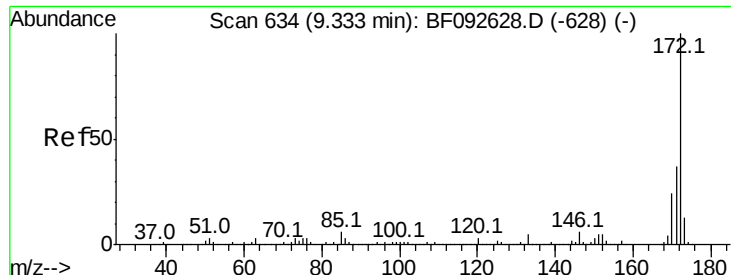
mohammad
 2/24/2017 2:11:27 PM



#41
 2,4,6-Tribromophenol
 Concen: 119.26 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	204211		
332	97.3		77.4	116.2
141	38.6		34.1	51.1





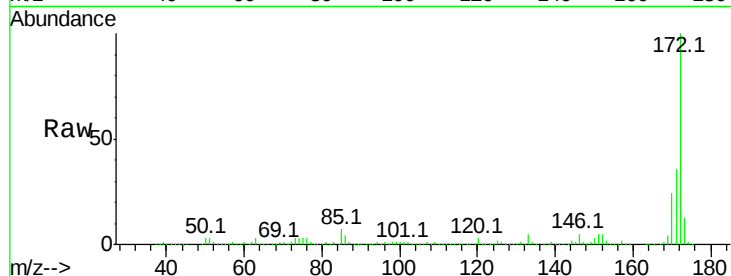
#44
2-Fluorobiphenyl
Concen: 97.10 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampleId :
B1-3

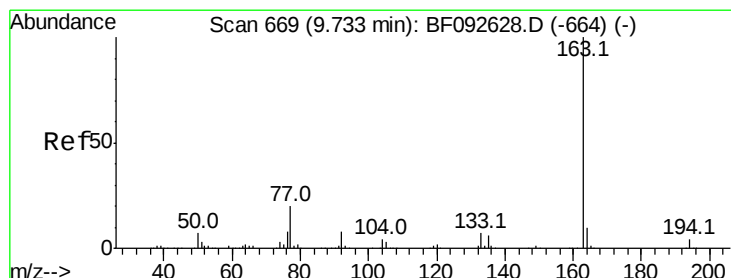
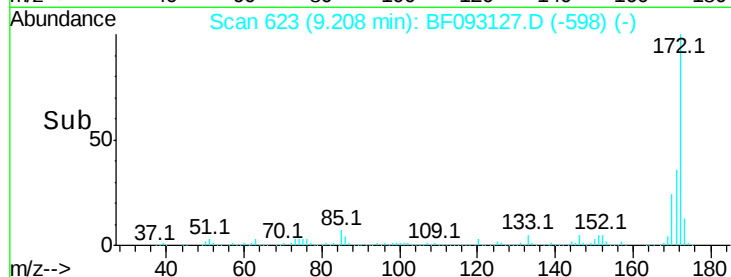
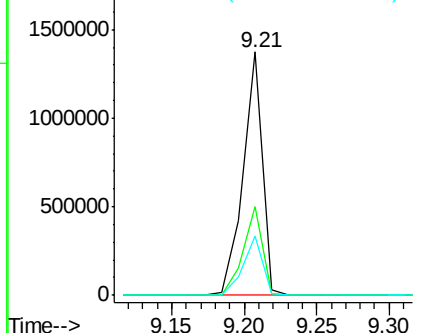
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.3	20.2	30.4

Manual Integrations
APPROVED

mohammad
2/24/2017 2:11:27 PM

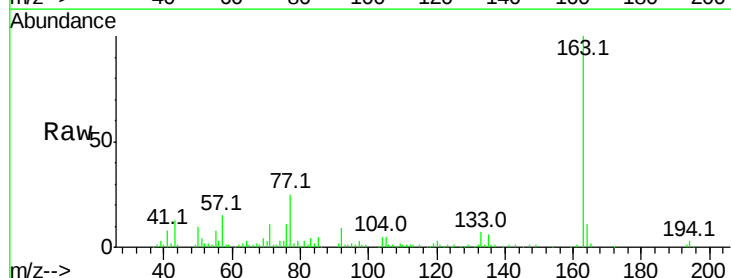


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

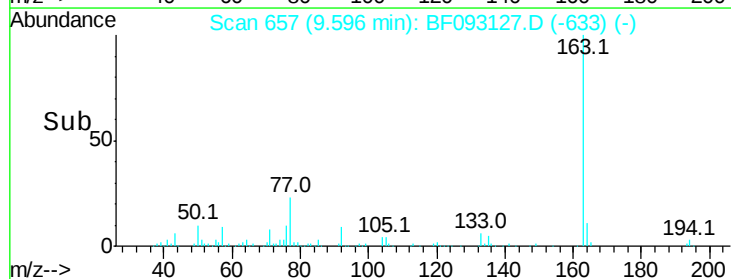
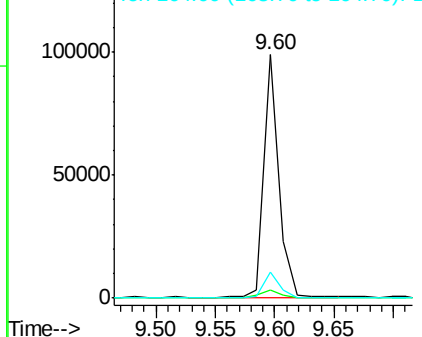


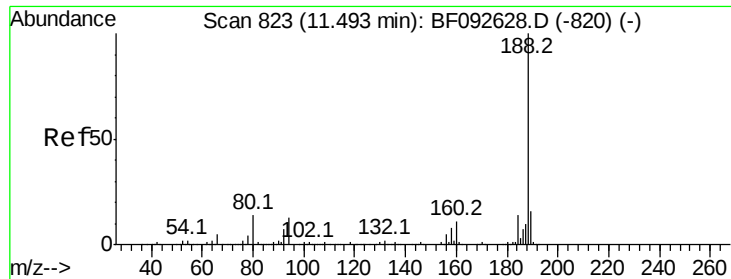
#49
Dimethylphthalate
Concen: 5.60 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.7	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





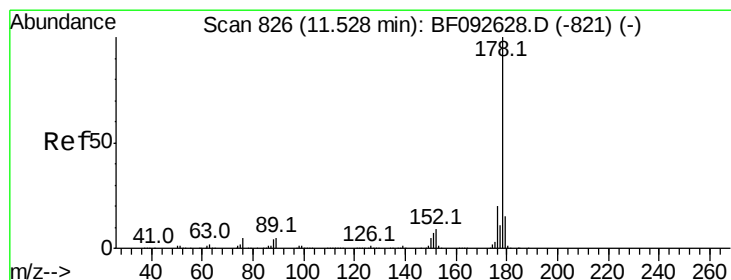
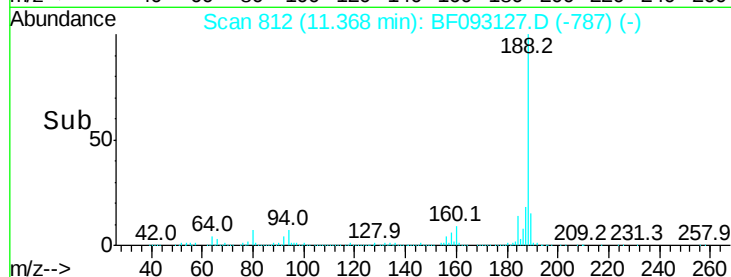
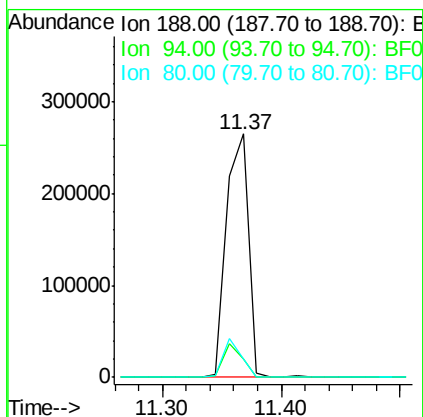
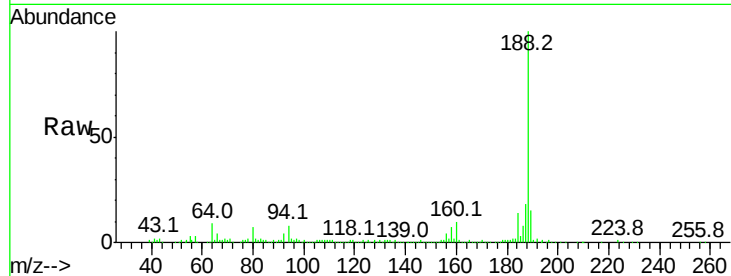
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampleId :
B1-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	7.5	11.2	16.8#

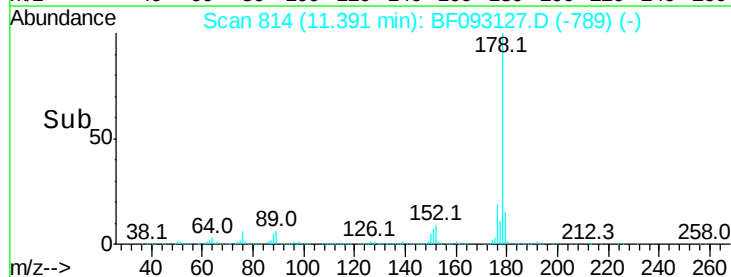
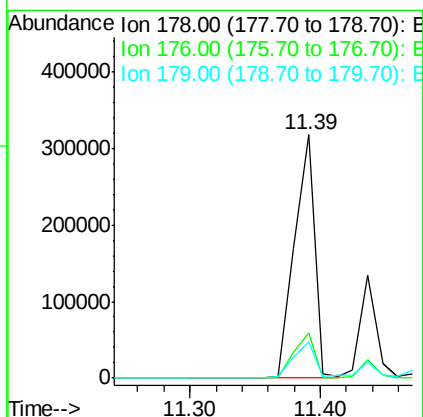
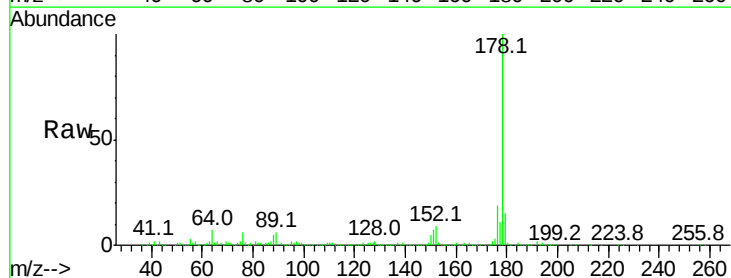
Manual Integrations
APPROVED

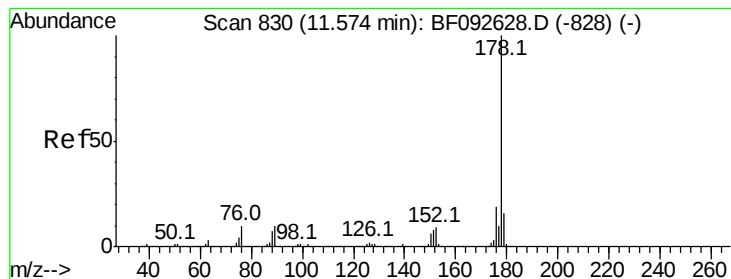
mohammad
2/24/2017 2:11:27 PM



#70
Phenanthrene
Concen: 17.51 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.6	25.0
179	15.1	12.8	19.2





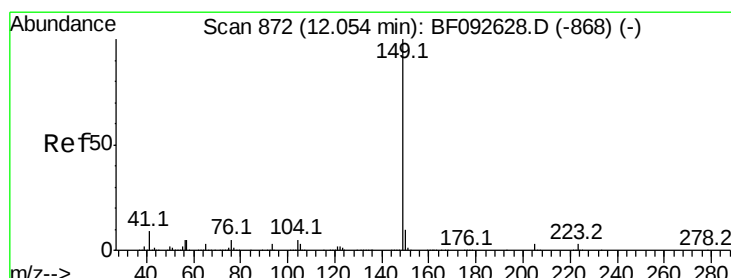
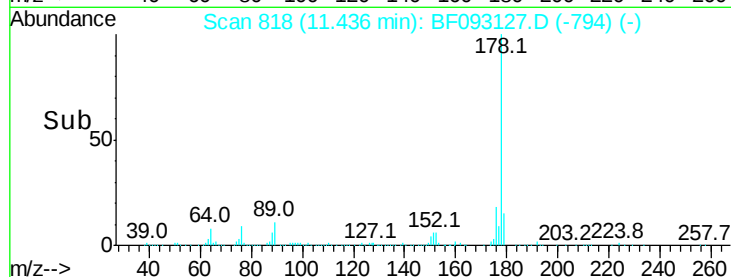
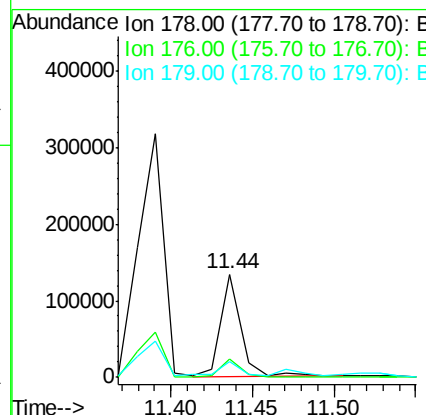
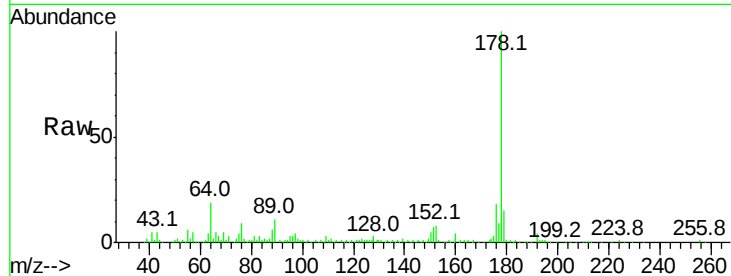
#71
 Anthracene
 Concen: 5.77 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Instrument :
 BNA_F
 ClientSampled :
 B1-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.3	13.2	19.8

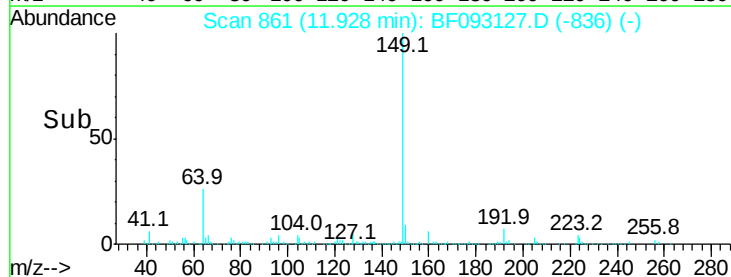
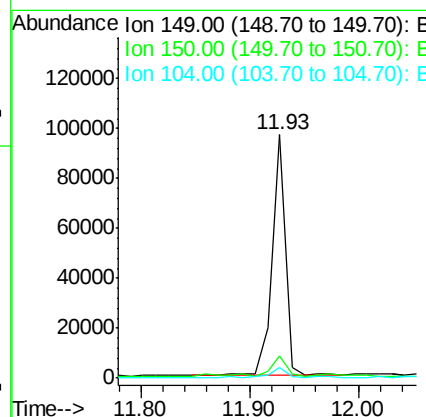
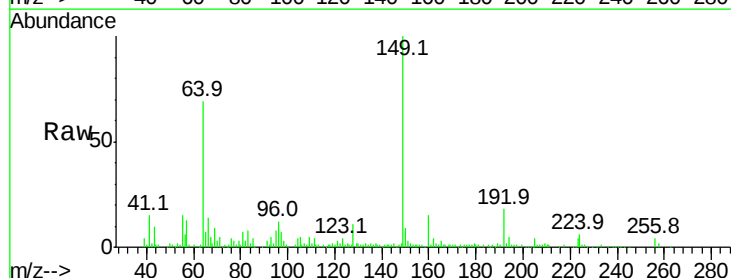
Manual Integrations
 APPROVED

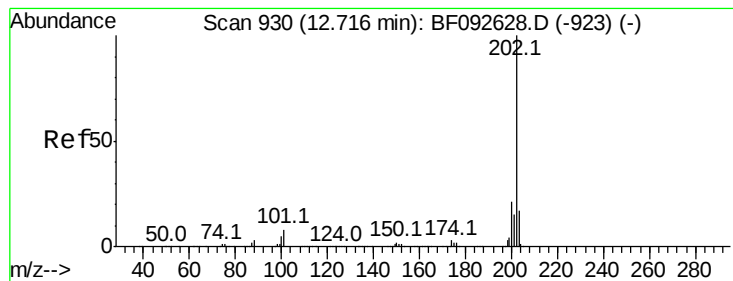
mohammad
 2/24/2017 2:11:27 PM



#73
 Di-n-butylphthalate
 Concen: 4.18 ng
 RT: 11.93 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	8.1	12.1
104	4.2	4.6	7.0#





#74

Fluoranthene

Concen: 33.17 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA_F

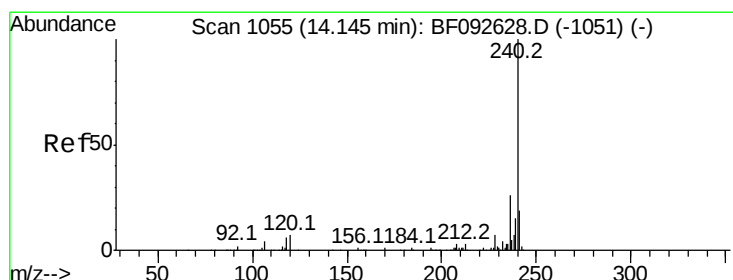
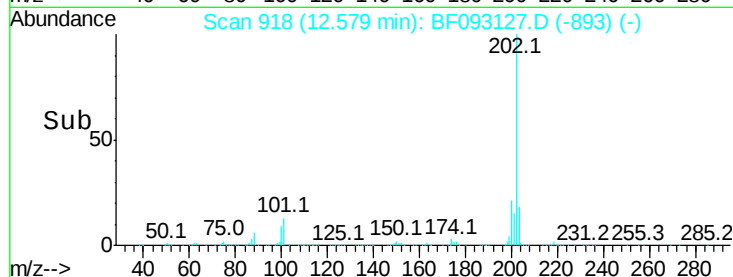
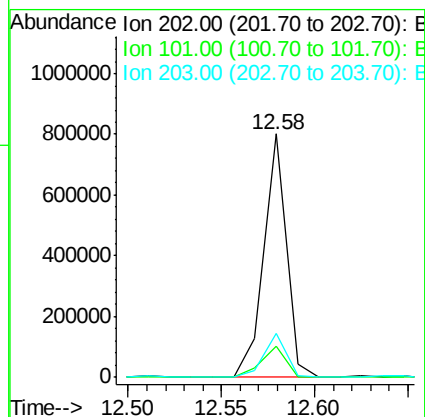
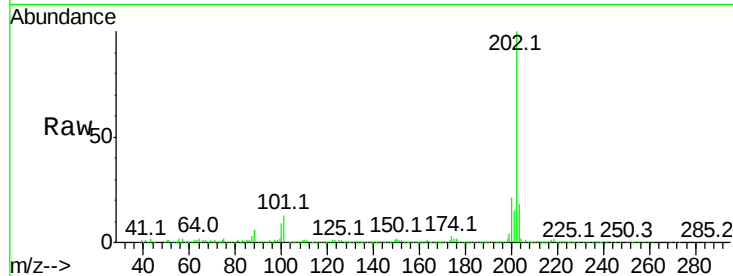
ClientSampled :

B1-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	34.6
203	17.9	0.0	38.7

Manual Integrations
APPROVED

mohammad
2/24/2017 2:11:27 PM



#75

Chrysene-d12

Concen: 20.00 ng

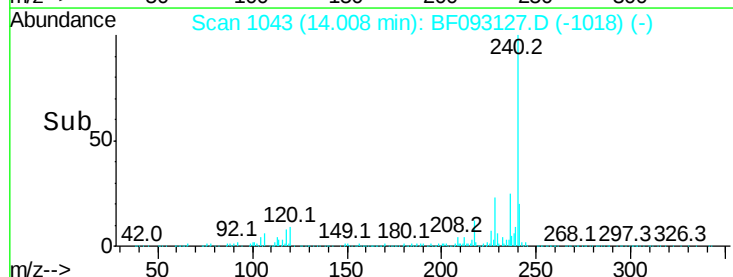
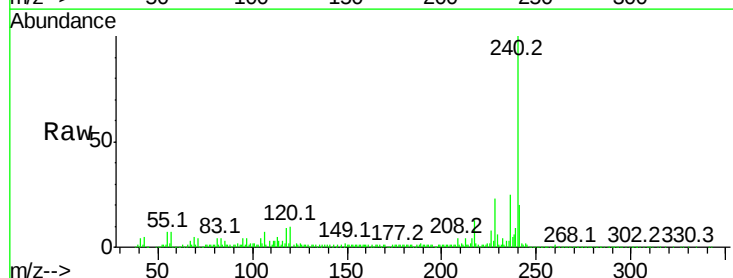
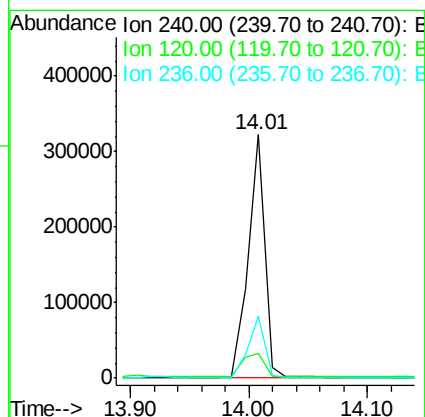
RT: 14.01 min Scan# 1043

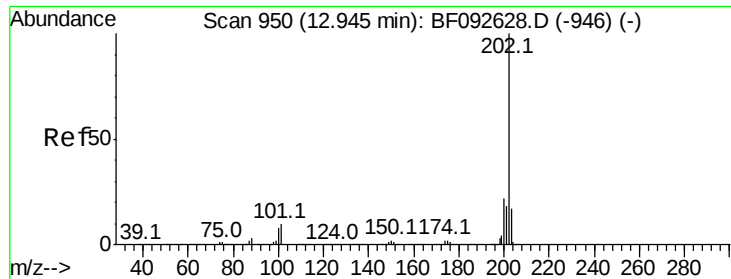
Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	25.3	20.9	31.3





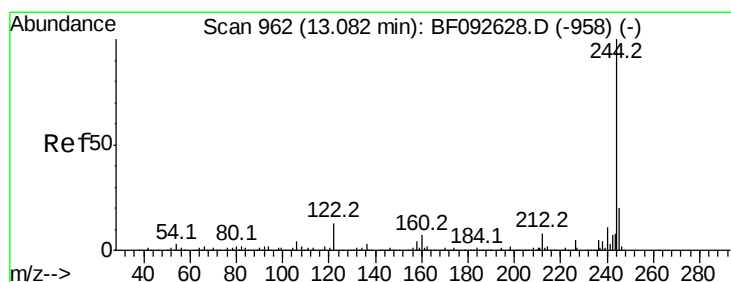
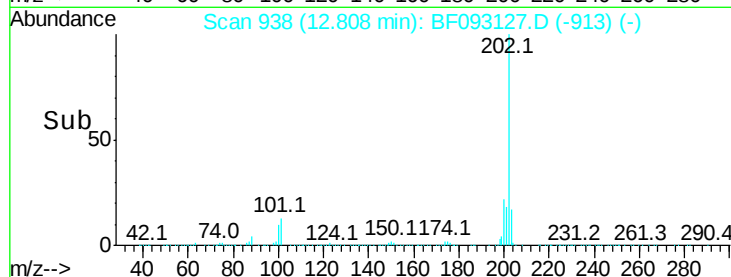
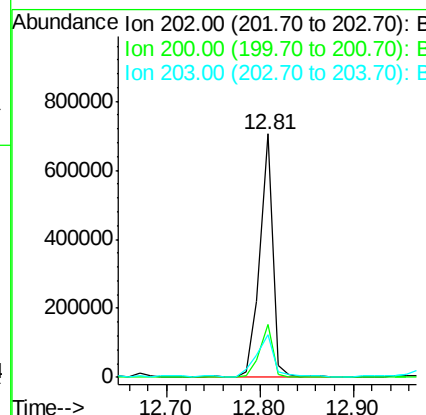
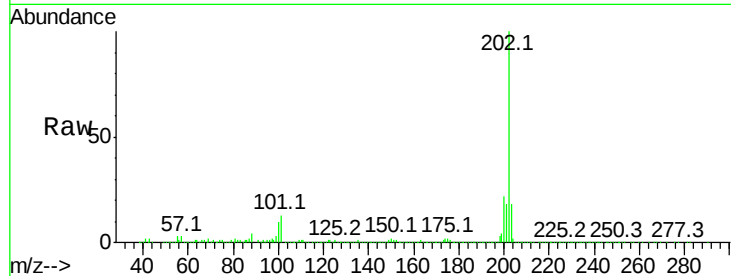
#77
Pvrene
Concen: 28.90 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampleId :
B1-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.6	14.7	22.1

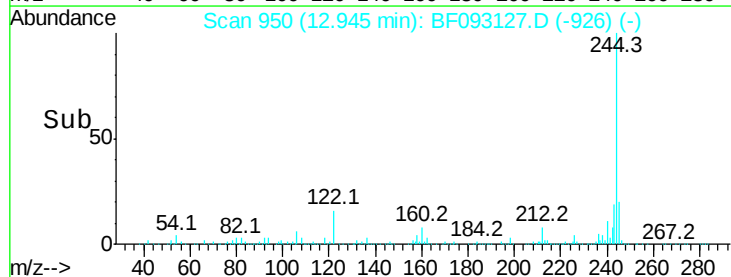
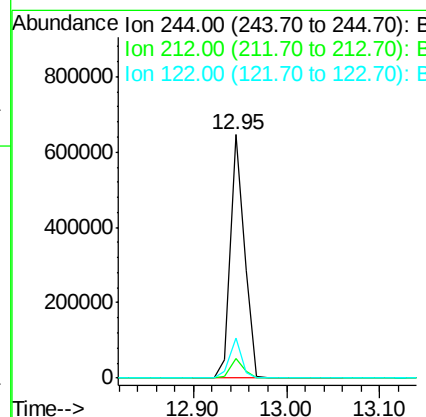
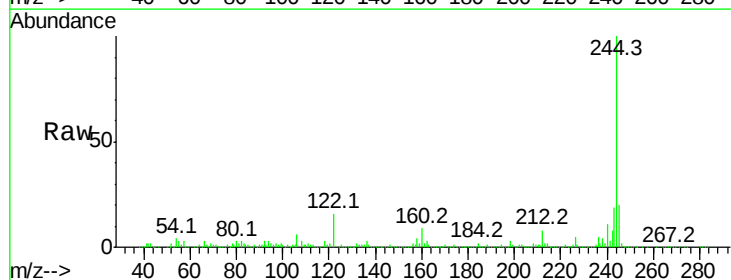
Manual Integrations
APPROVED

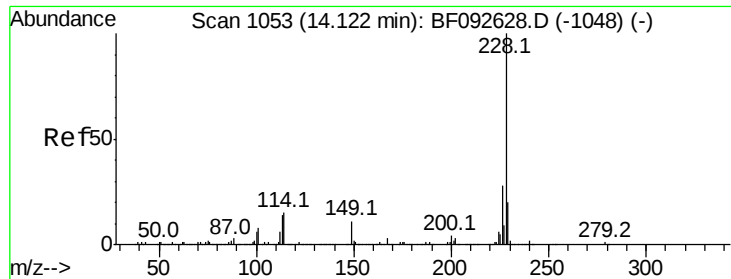
mohammad
2/24/2017 2:11:27 PM



#78
Terphenyl-d14
Concen: 50.95 ng
RT: 12.95 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	16.2	11.4	17.2





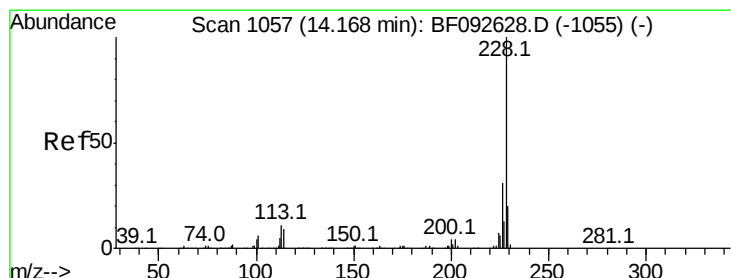
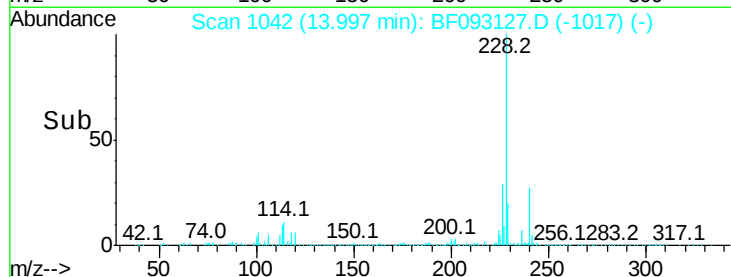
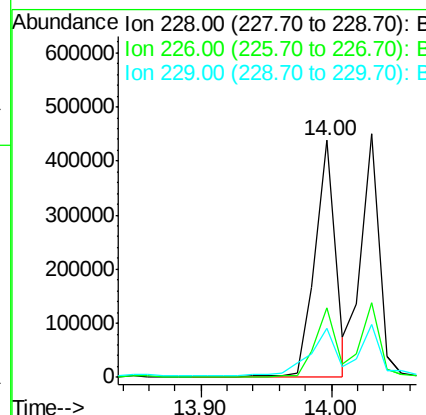
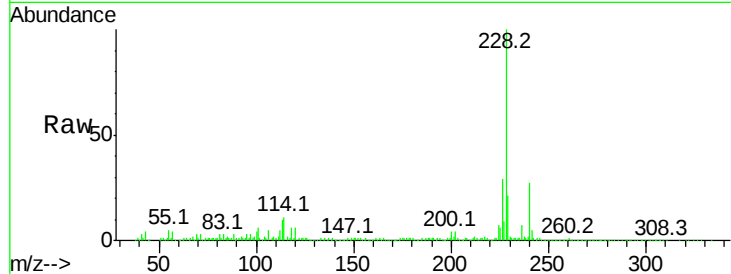
#80
Benzo(a)anthracene
Concen: 24.53 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.4	33.6
229	20.7	16.2	24.4

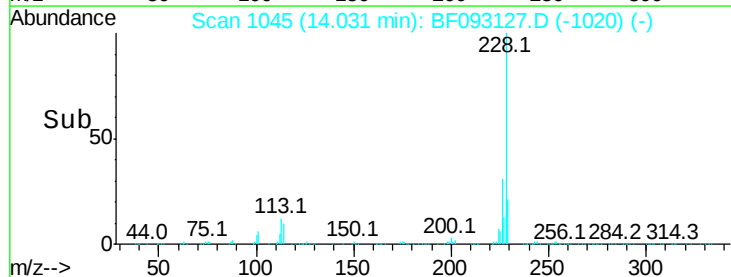
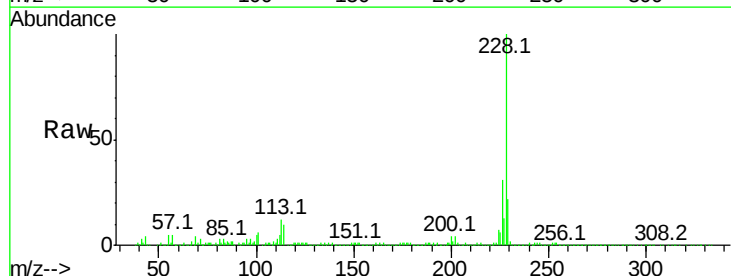
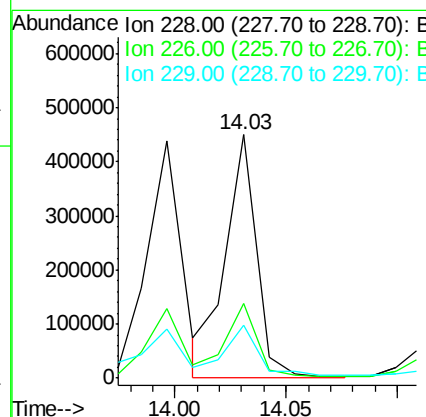
Manual Integrations
APPROVED

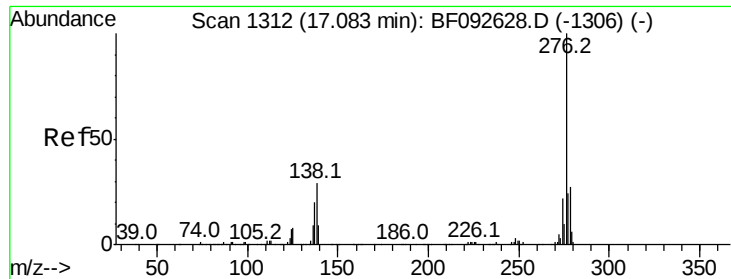
mohammad
2/24/2017 2:11:27 PM



#82
Chrysene
Concen: 24.39 ng m
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	21.5	16.2	24.2





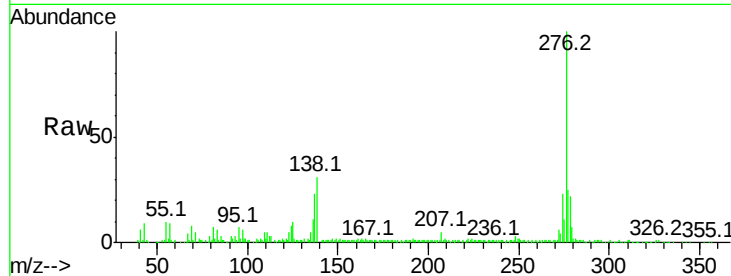
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.87 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Resp	Lower	Upper
276	100	221485		
138	28.0		21.8	32.6
277	24.0		20.2	30.4

Manual Integrations
APPROVED

mohammad
2/24/2017 2:11:27 PM

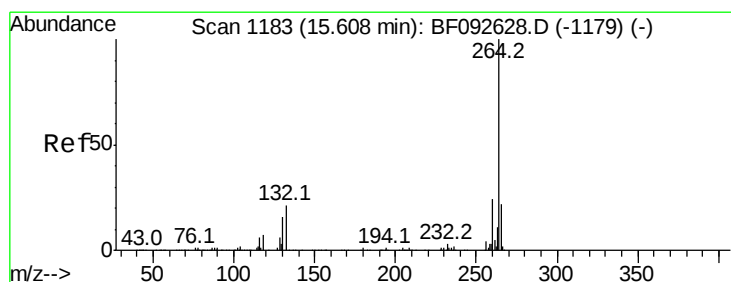
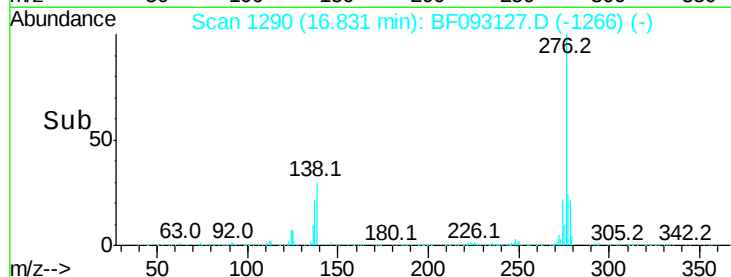
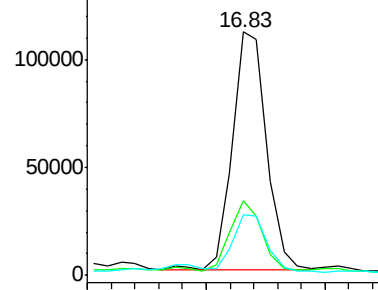


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

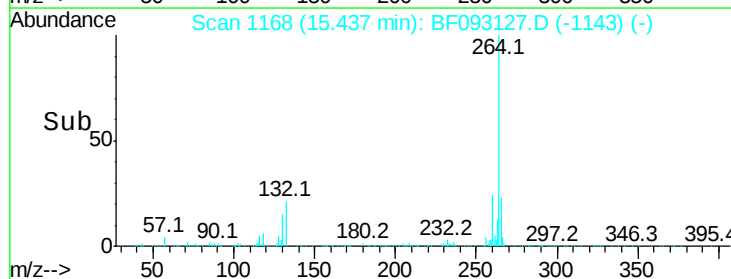
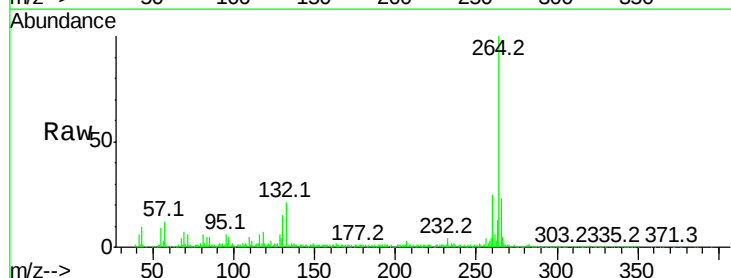
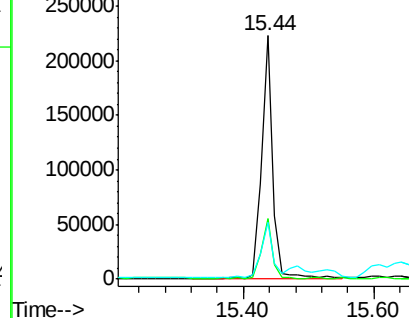
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	268182		
260	24.7		19.2	28.8
265	23.4		17.4	26.0

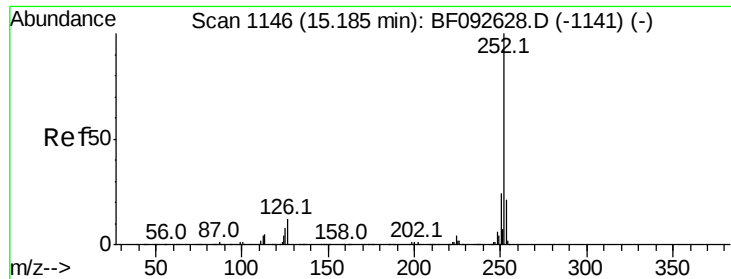
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





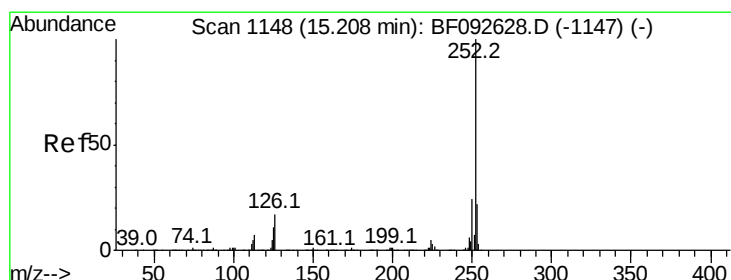
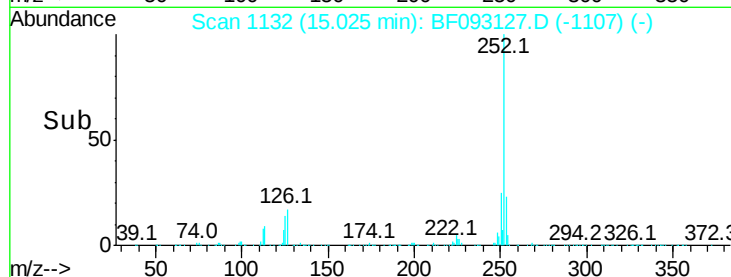
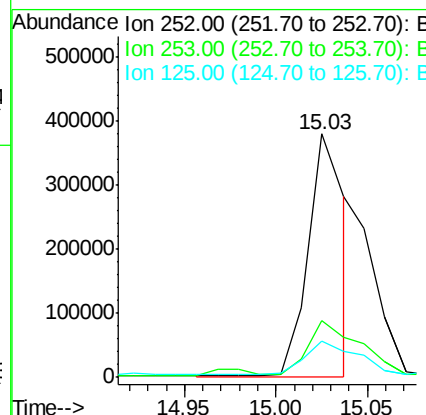
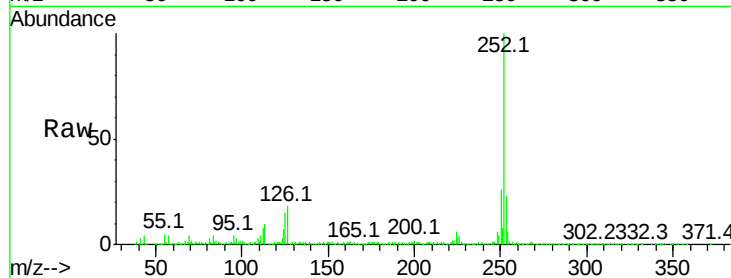
#87
Benzo(b)fluoranthene
Concen: 30.43 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	15.0	9.8	14.6

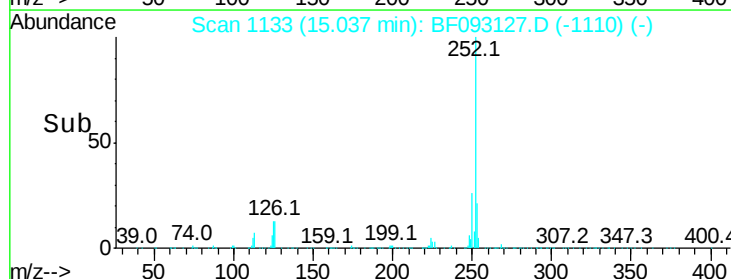
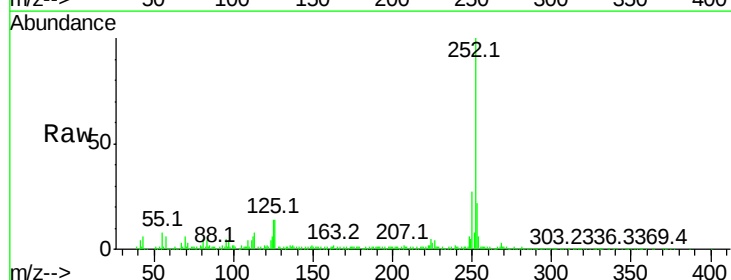
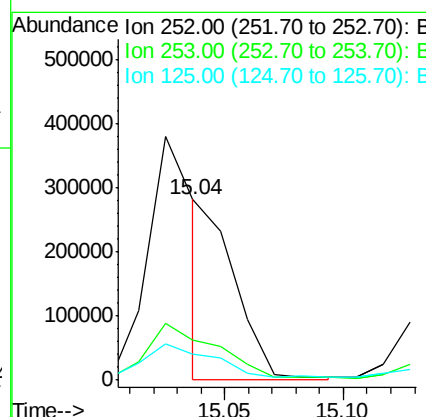
Manual Integrations
APPROVED

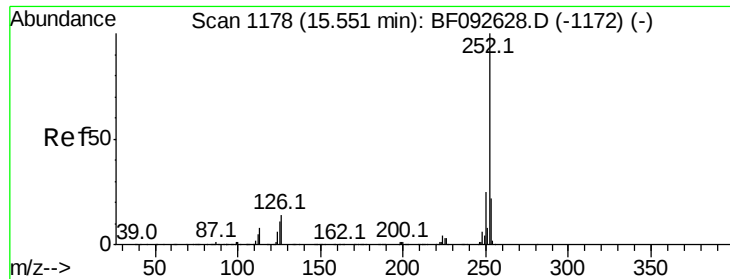
mohammad
2/24/2017 2:11:27 PM



#88
Benzo(k)fluoranthene
Concen: 15.56 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	14.4	8.9	13.3





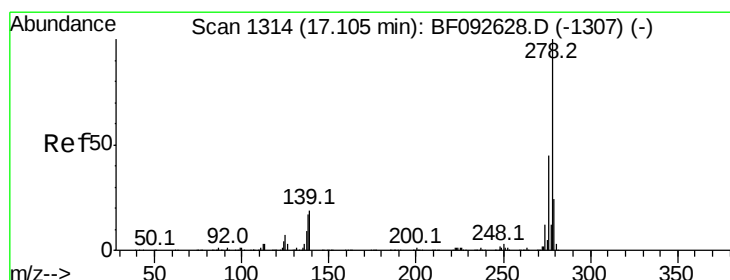
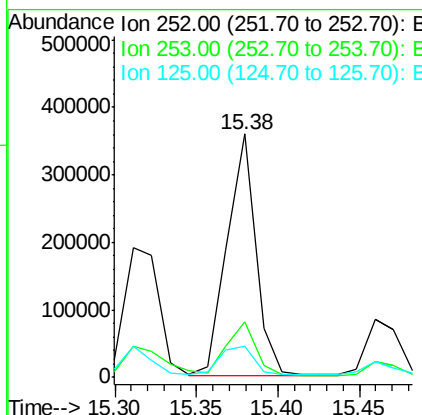
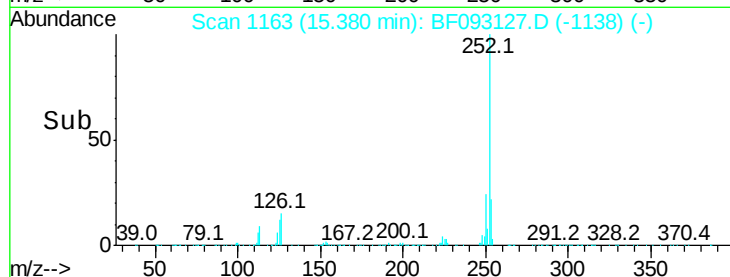
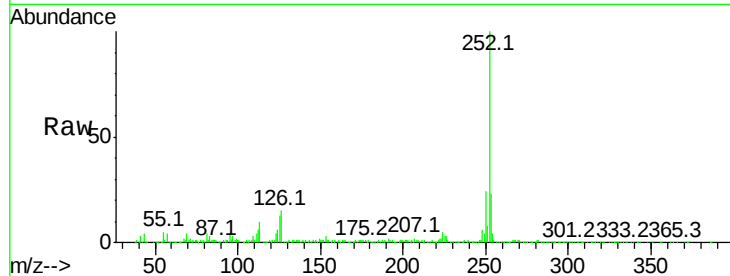
#89
Benzo(a)pyrene
Concen: 28.67 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	13.0	10.0	15.0

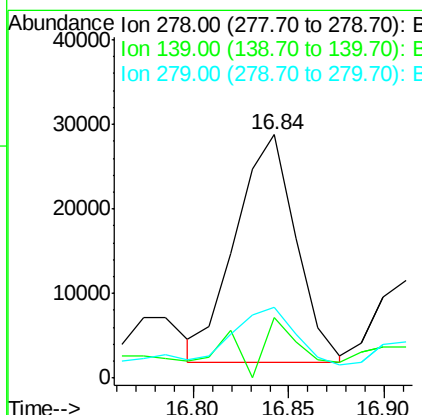
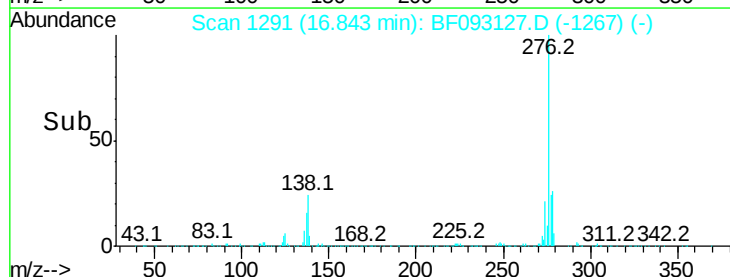
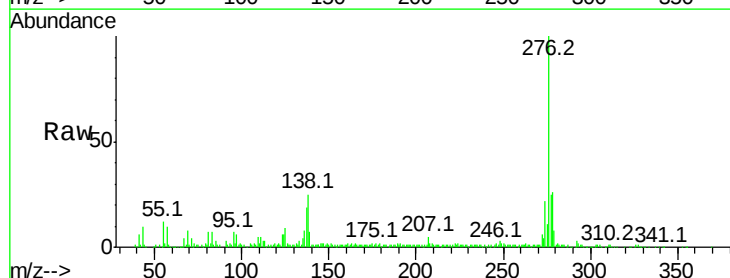
Manual Integrations
APPROVED

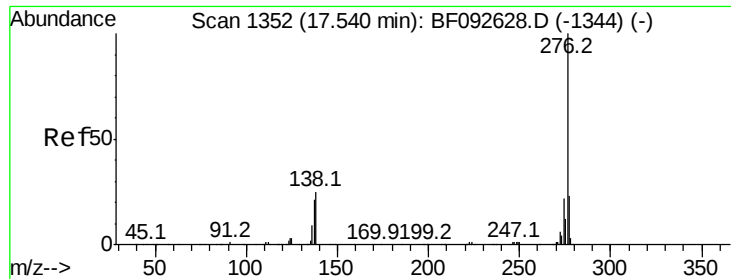
mohammad
2/24/2017 2:11:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.79 ng m
RT: 16.84 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF093127.D
Acq: 24 Feb 2017 1:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.7	14.8	22.2#
279	29.2	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 17.62 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093127.D
 Acq: 24 Feb 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

Tot Ion:	276	Resp:	219673
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.2	28.8
138	26.2	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 2/24/2017 2:11:27 PM

