

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095020.D
 Acq On : 9 May 2017 13:11
 Operator : SJ/MA
 Sample : I3013-02 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U9-BASE

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:03:40 PM

Quant Time: May 09 16:16:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	74092	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	340088	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	150167	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	238415	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	192713	20.00	ng	-0.02
86) Perylene-d12	20.30	264	153170	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	75737	17.04	ng	0.00
7) Phenol-d6	7.27	99	82067	15.39	ng	-0.01
23) Nitrobenzene-d5	8.61	82	50354	9.34	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	17290	14.06	ng	-0.01
44) 2-Fluorobiphenyl	11.51	172	99048	9.49	ng	-0.02
78) Terphenyl-d14	17.29	244	60523	6.92	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	15.01	178	92846	6.78	ng	97
71) Anthracene	15.09	178	33812m	2.42	ng	
74) Fluoranthene	16.75	202	91364	6.50	ng	99
77) Pyrene	17.05	202	107106	7.43	ng	97
80) Benzo(a)anthracene	18.62	228	42381	3.78	ng	92
82) Chrysene	18.67	228	42349	3.90	ng	98
85) Indeno(1,2,3-cd)pyrene	21.61	276	23181	2.63	ng	99
87) Benzo(b)fluoranthene	19.90	252	53221m	5.62	ng	
88) Benzo(k)fluoranthene	19.93	252	19443m	2.13	ng	
89) Benzo(a)pyrene	20.25	252	46405	5.31	ng	# 93
91) Benzo(g,h,i)perylene	21.98	276	27101	3.83	ng	97

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

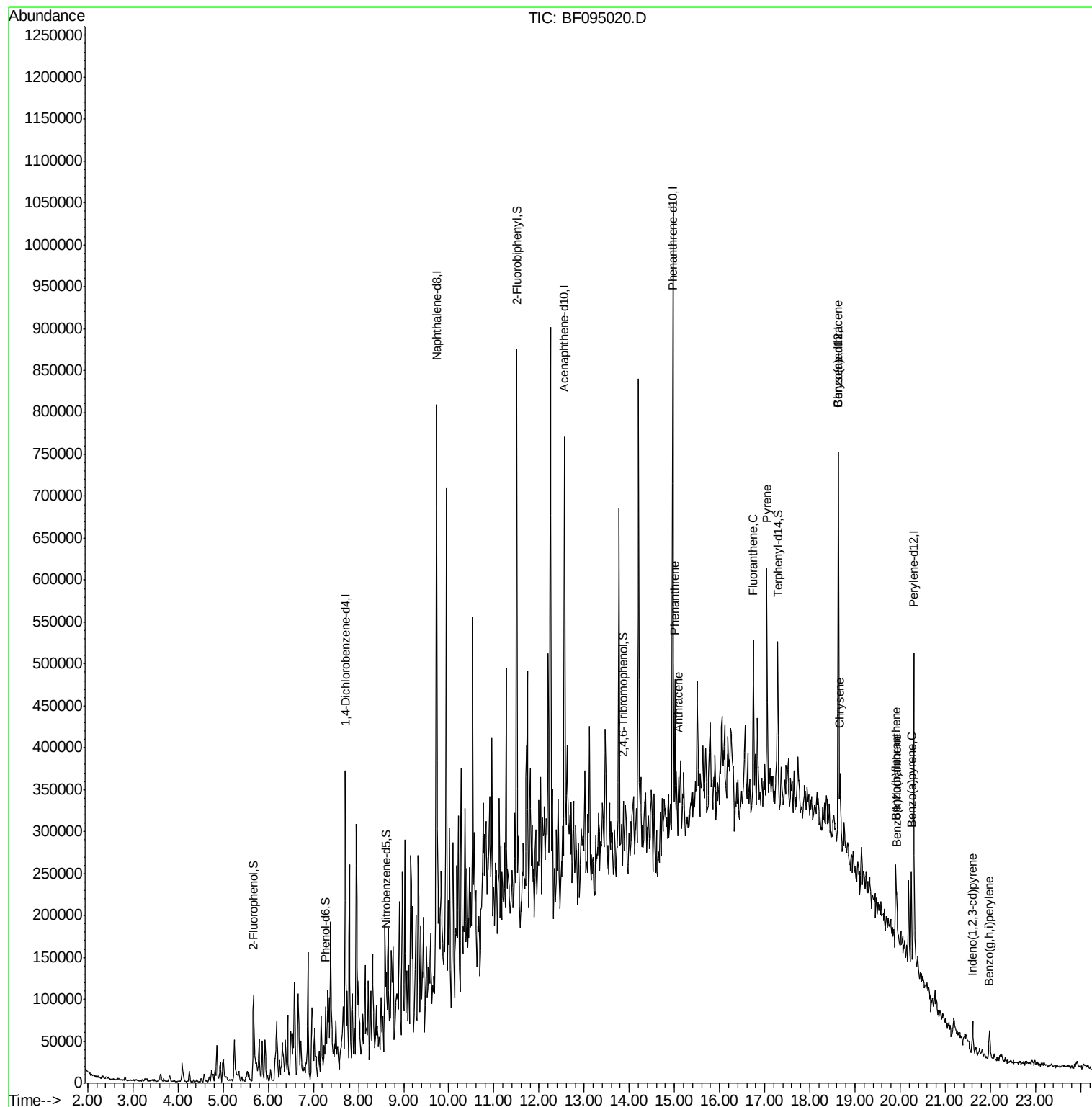
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF095020.D
Acq On : 9 May 2017 13:11
Operator : SJ/MA
Sample : I3013-02 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

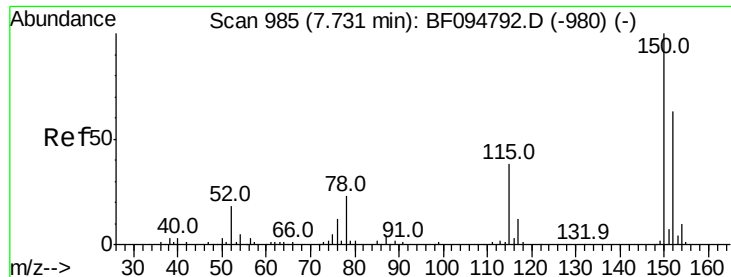
Instrument :
BNA_F
ClientSampleId :
E2-U9-BASE

Manual Integrations
APPROVED

mohammad
5/9/2017 5:03:40 PM

Quant Time: May 09 16:16:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

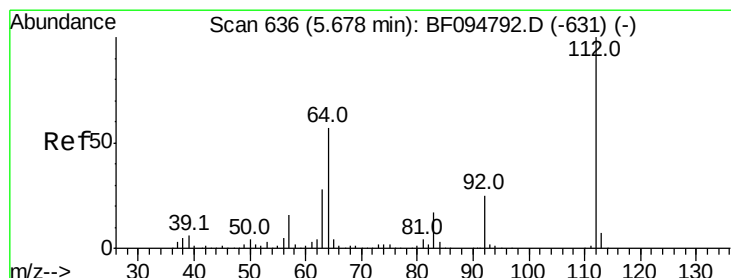
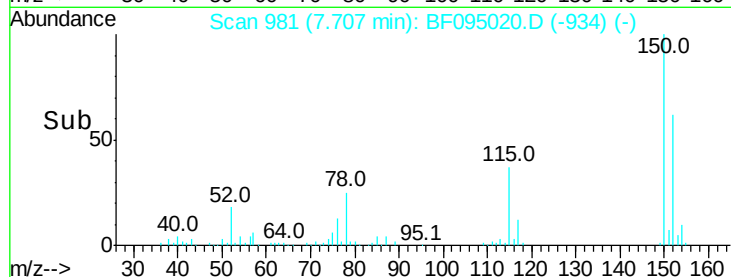
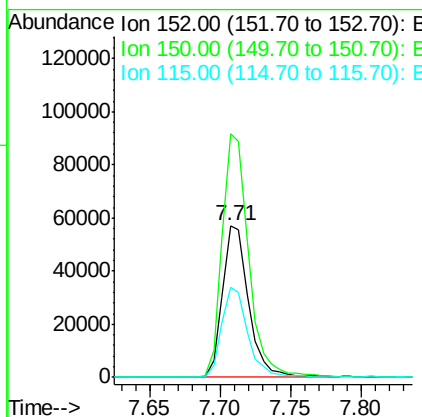
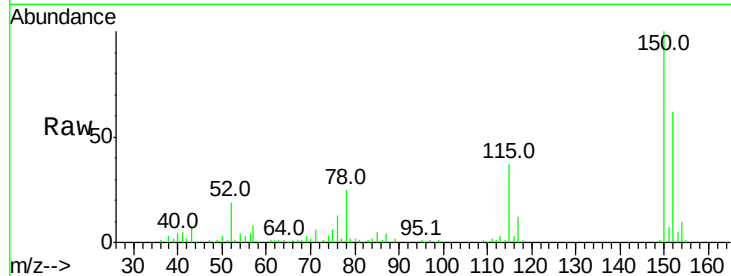
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Instrument :
BNA_F
ClientSampleId :
E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	59.2	52.2	78.2

Manual Integrations
APPROVED

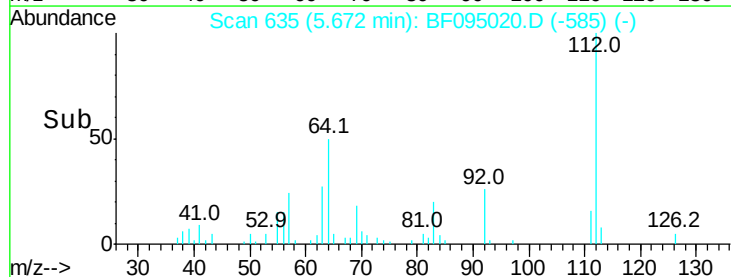
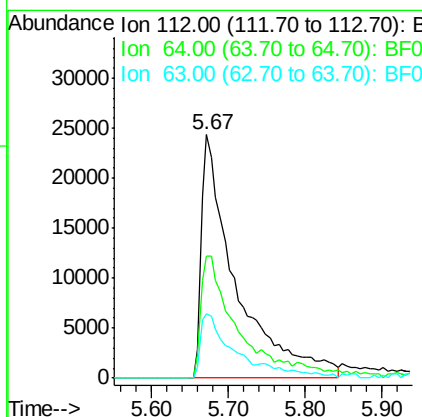
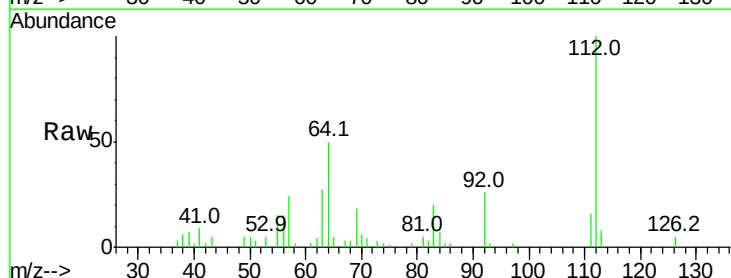
mohammad
5/9/2017 5:03:40 PM

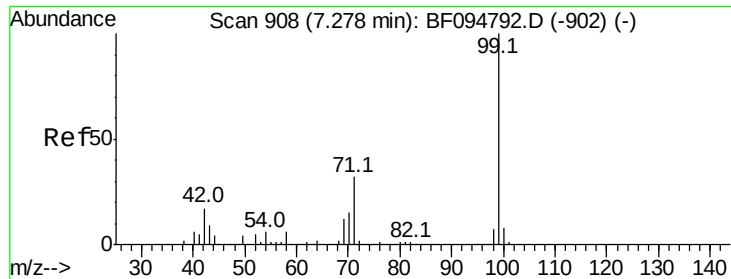


#5

2-Fluorophenol
Concen: 17.04 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	46.0	69.0
63	26.5	23.4	35.0





#7

Phenol-d6

Concen: 15.39 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF095020.D

Acq: 9 May 2017 13:11

Instrument :

BNA_F

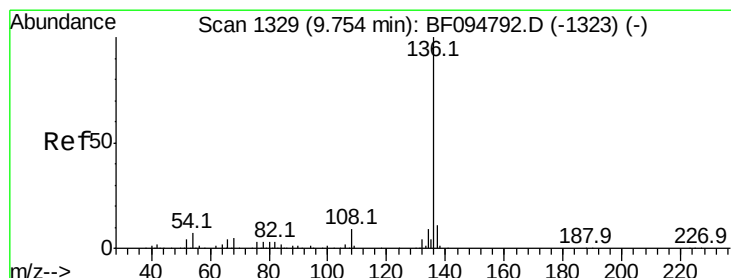
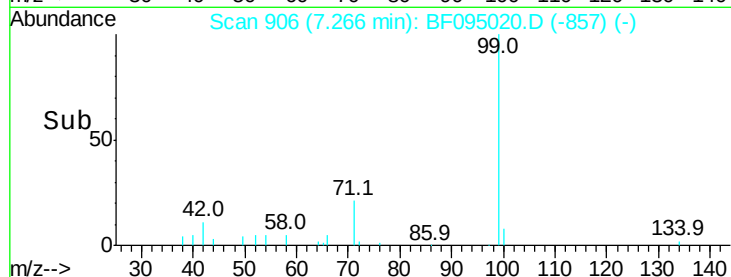
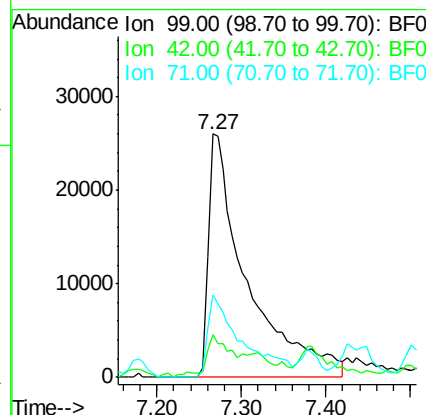
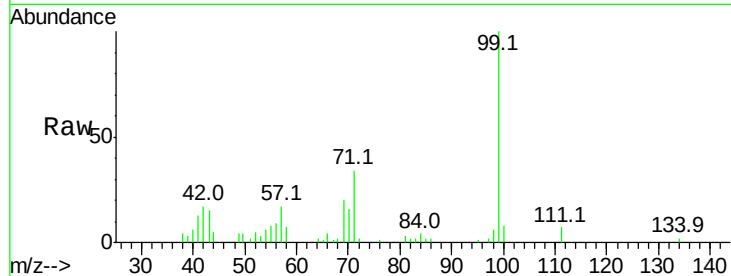
ClientSampleId :

E2-U9-BASE

Tot Ion:	99	Resp:	82067
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.5	20.3
71	33.7	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/9/2017 5:03:40 PM



#21

Naphthalene-d8

Concen: 20.00 ng

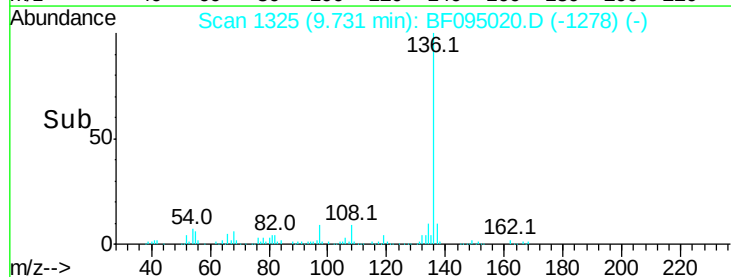
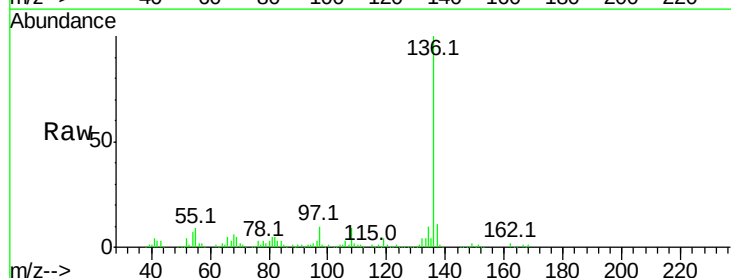
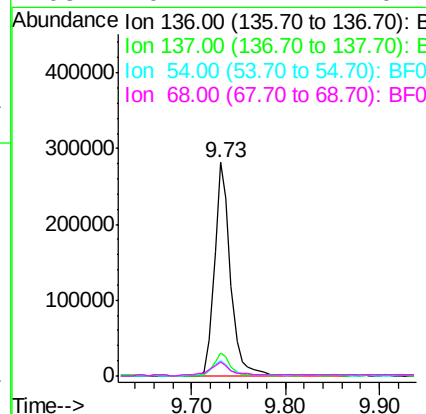
RT: 9.73 min Scan# 1325

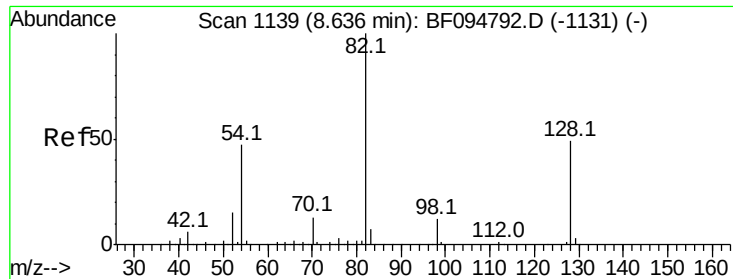
Delta R.T. -0.02 min

Lab File: BF095020.D

Acq: 9 May 2017 13:11

Tgt Ion:	136	Resp:	340088
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.2	4.9	7.3
68	6.4	4.1	6.1#





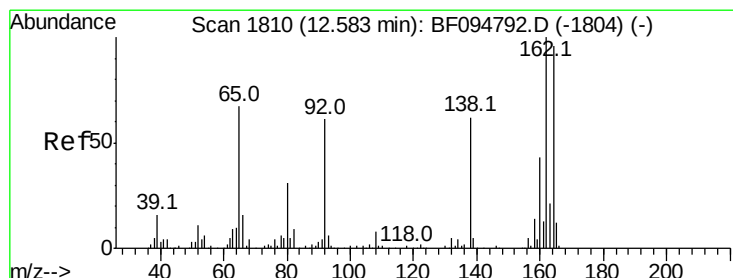
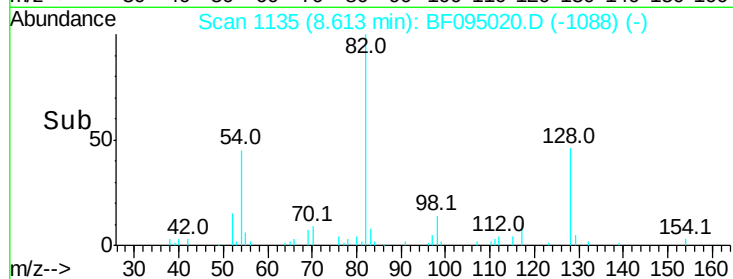
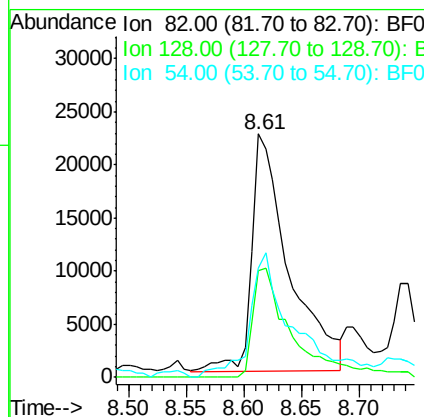
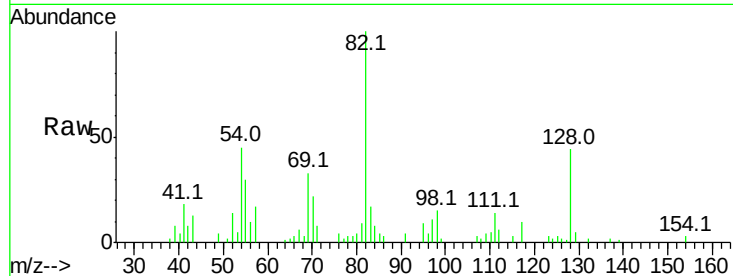
#23
Nitrobenzene-d5
Concen: 9.34 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Instrument :
BNA_F
ClientSampleId :
E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	44.9	42.2	63.2

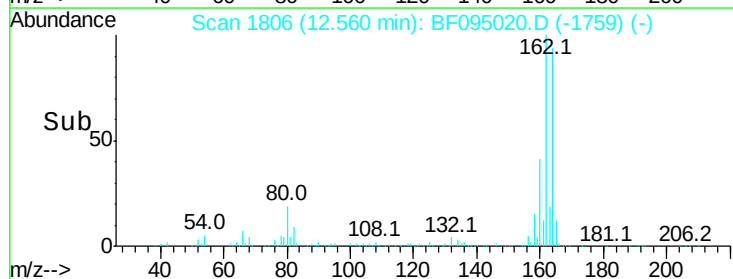
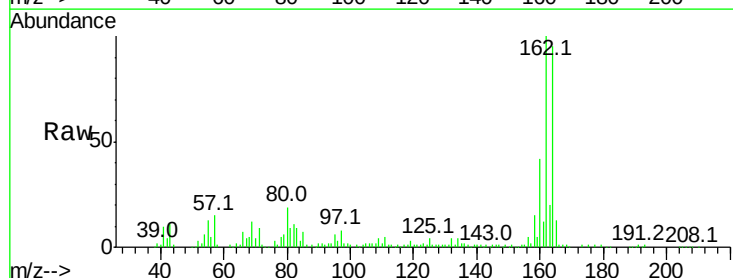
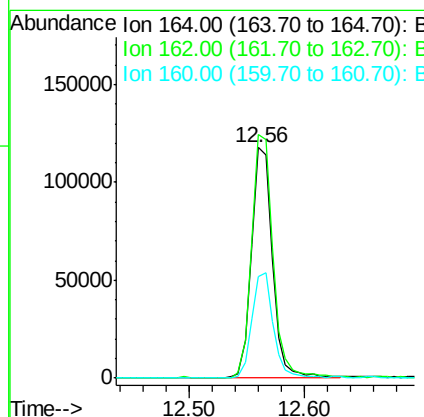
Manual Integrations
APPROVED

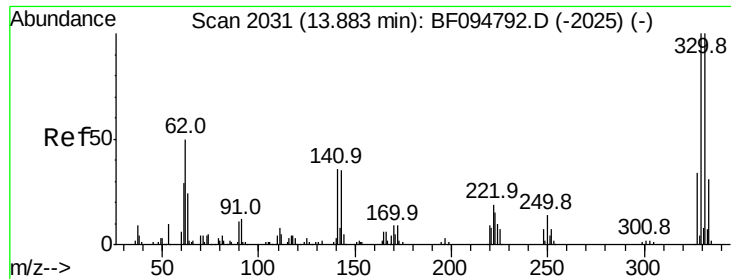
mohammad
5/9/2017 5:03:40 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	123.8
160	44.0	36.2	54.2





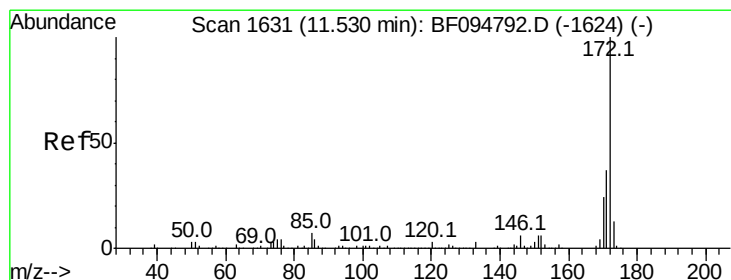
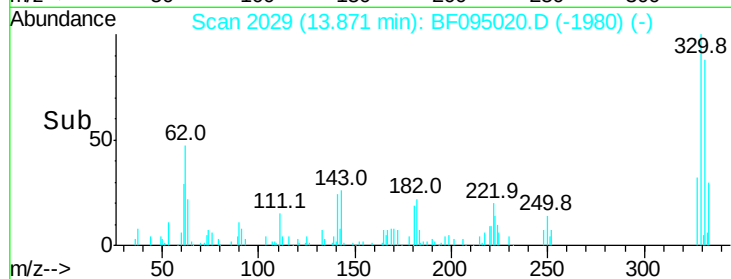
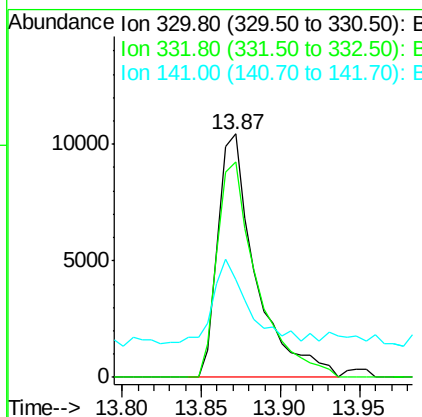
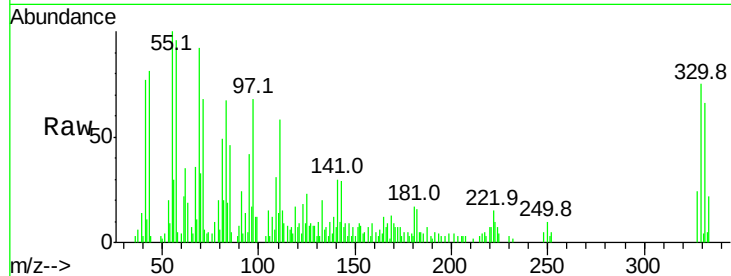
#41
 2,4,6-Tribromophenol
 Concen: 14.06 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.6	115.0
141	30.9	31.4	47.2#

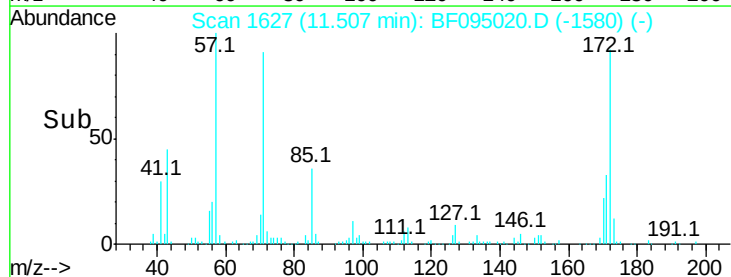
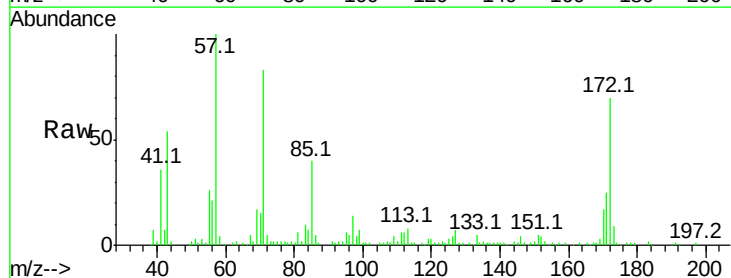
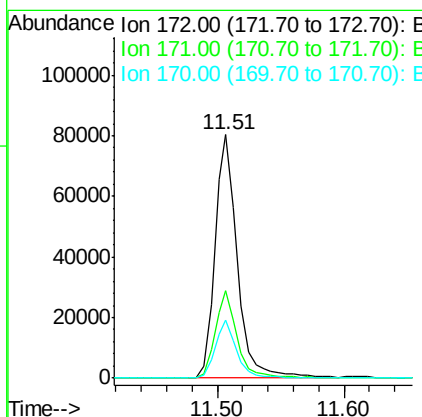
Manual Integrations
 APPROVED

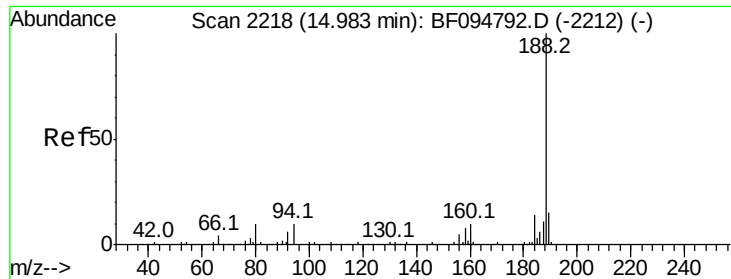
mohammad
 5/9/2017 5:03:40 PM



#44
 2-Fluorobiphenyl
 Concen: 9.49 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.0	19.8	29.8





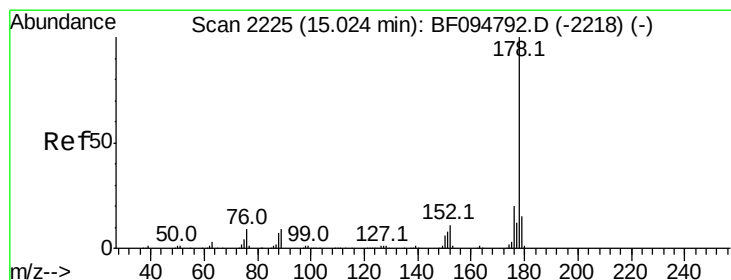
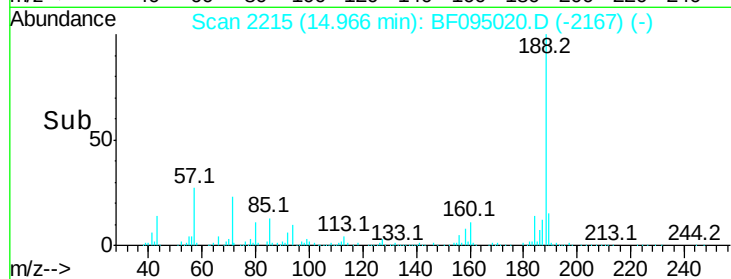
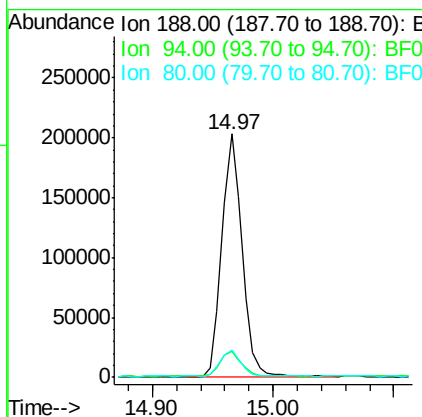
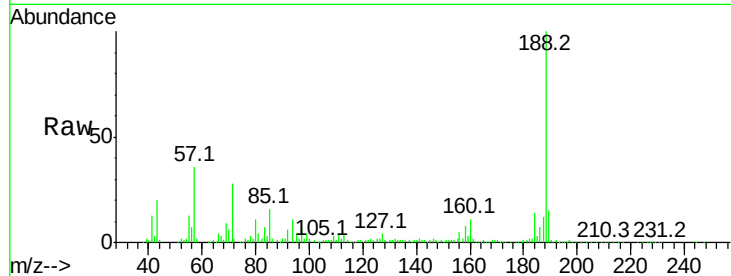
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Instrument :
BNA_F
ClientSampleId :
E2-U9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	238415		
94	10.5		9.4	14.2
80	11.1		10.2	15.2

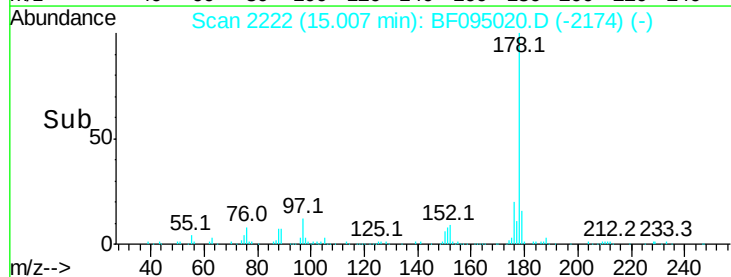
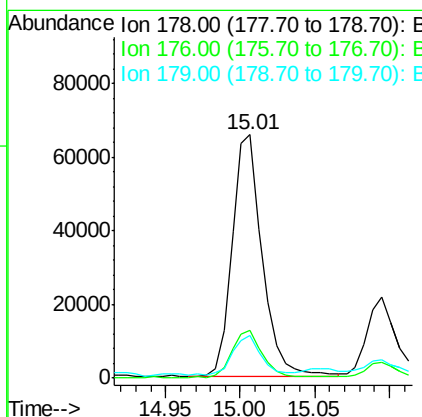
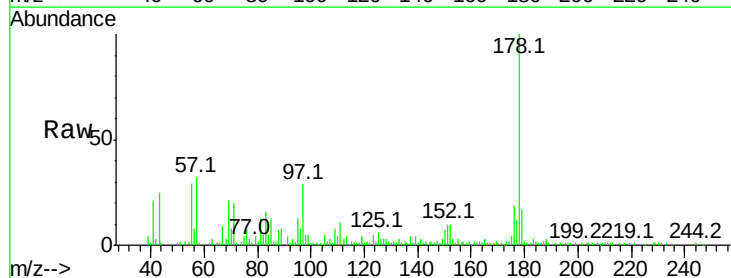
Manual Integrations
APPROVED

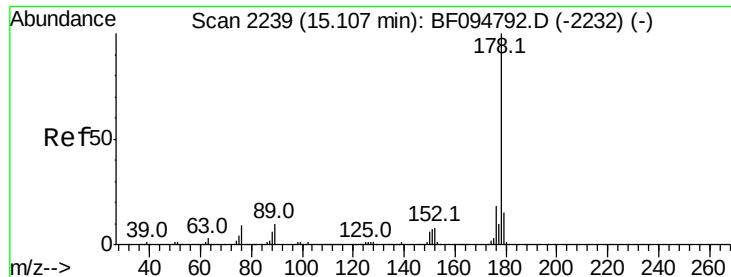
mohammad
5/9/2017 5:03:40 PM



#70
Phenanthrene
Concen: 6.78 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	92846		
176	19.5		16.2	24.4
179	17.3		12.6	19.0





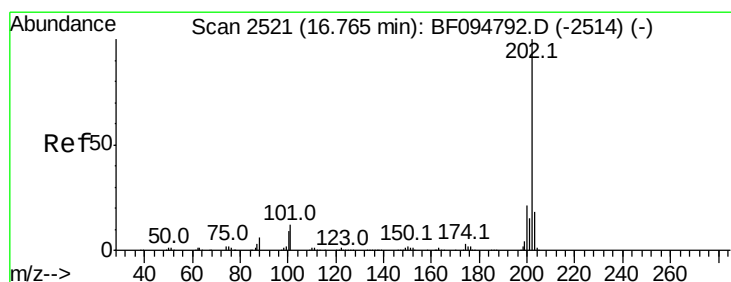
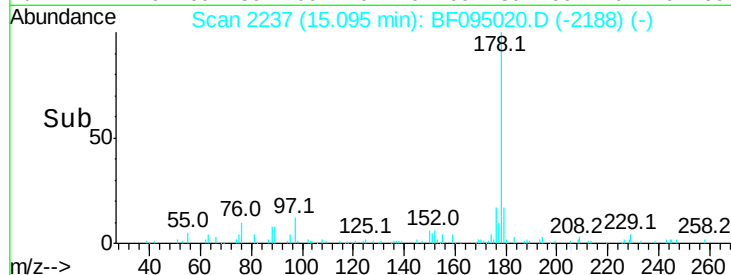
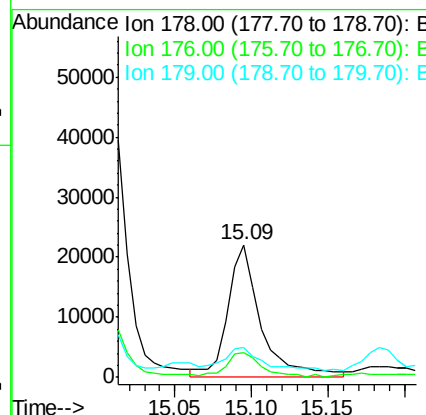
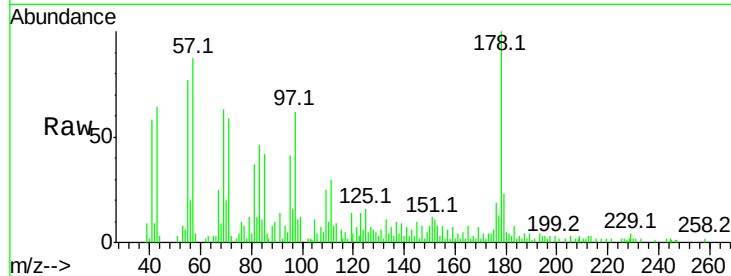
#71
 Anthracene
 Concen: 2.42 ng m
 RT: 15.09 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Instrument :
 BNA_F
 ClientSampled :
 E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	22.9	12.7	19.1

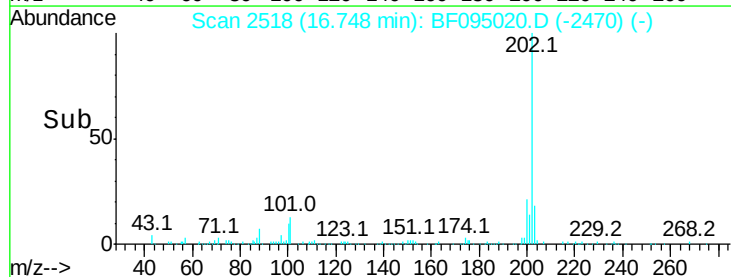
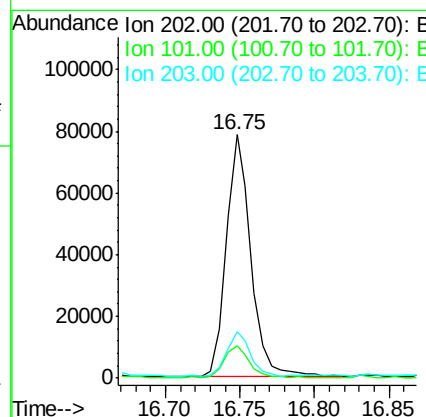
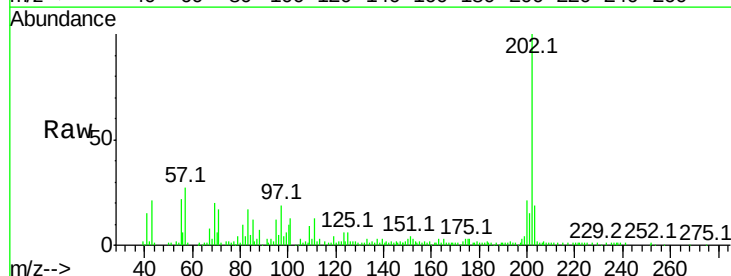
Manual Integrations
 APPROVED

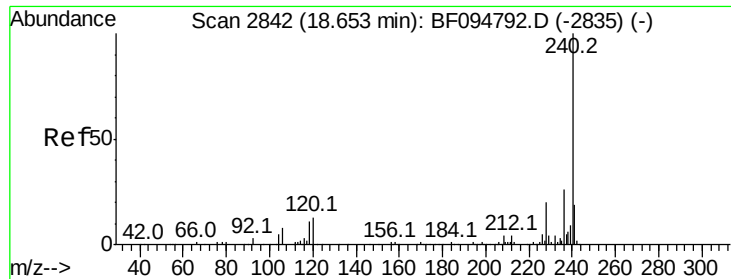
mohammad
 5/9/2017 5:03:40 PM



#74
 Fluoranthene
 Concen: 6.50 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	19.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF095020.D

Acq: 9 May 2017 13:11

Instrument :

BNA_F

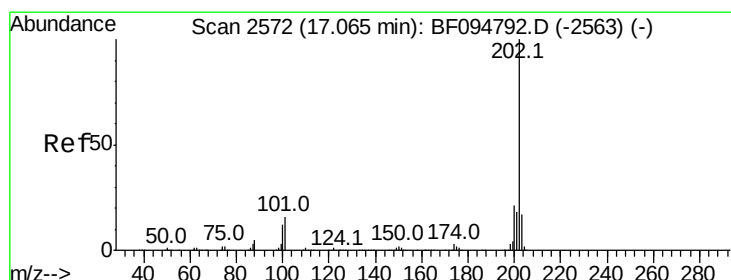
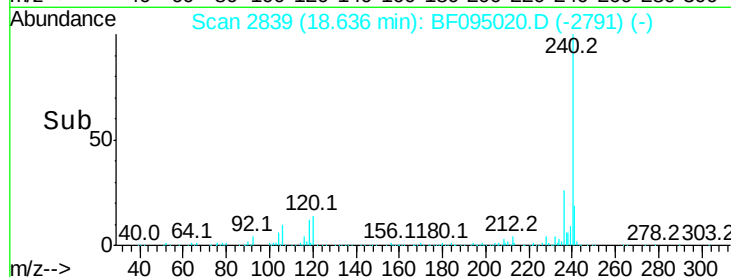
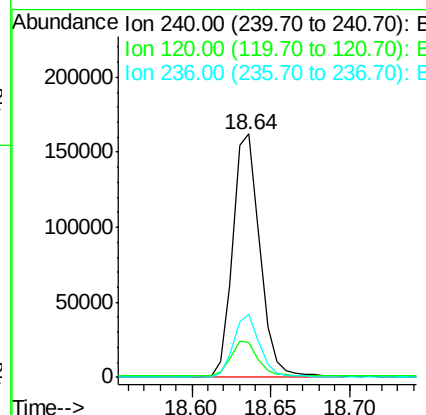
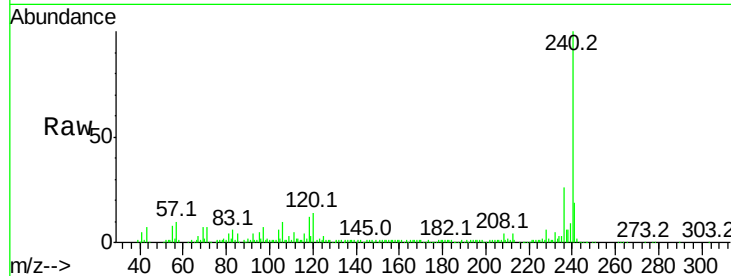
ClientSampleId :

E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	25.7	20.5	30.7

Manual Integrations
APPROVED

mohammad
5/9/2017 5:03:40 PM



#77

Pyrene

Concen: 7.43 ng

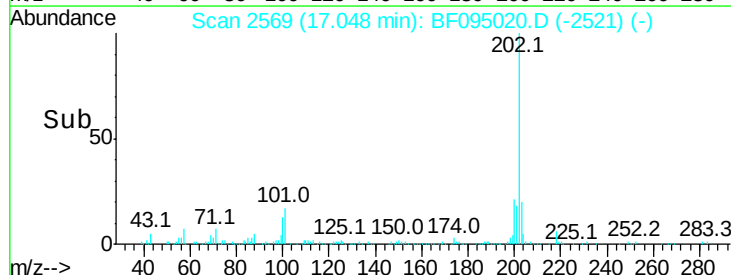
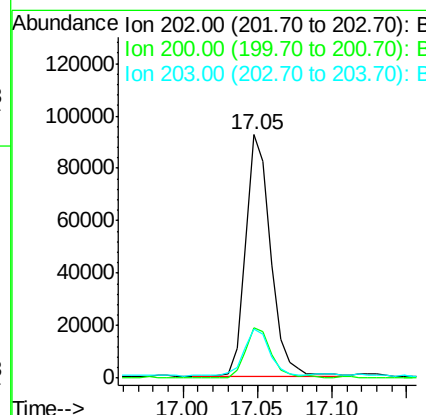
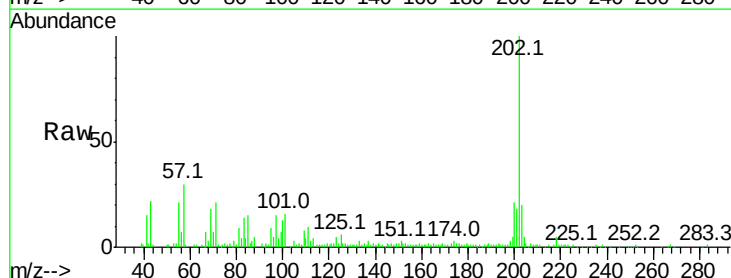
RT: 17.05 min Scan# 2569

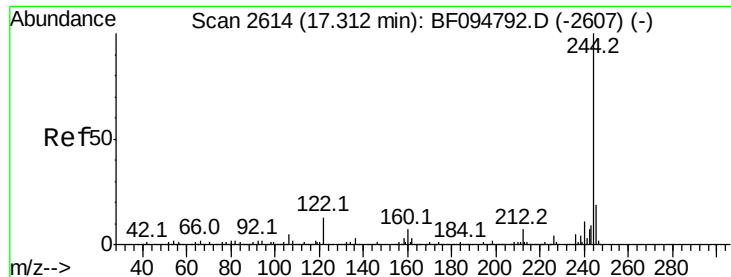
Delta R.T. -0.02 min

Lab File: BF095020.D

Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.0	14.4	21.6





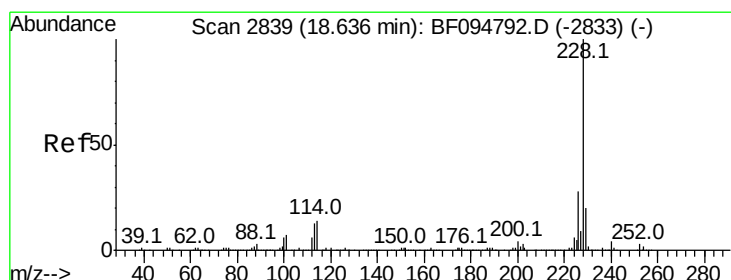
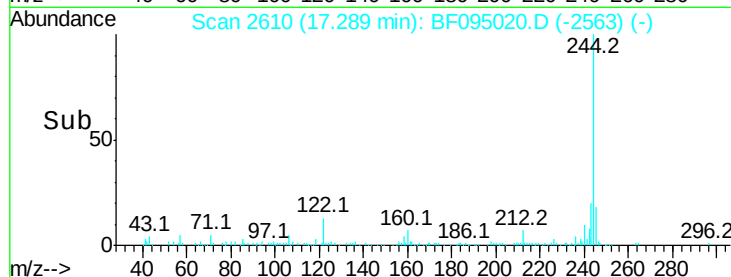
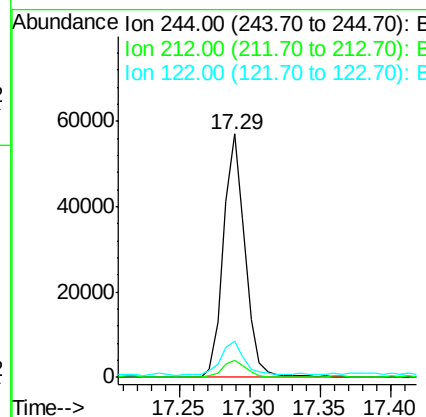
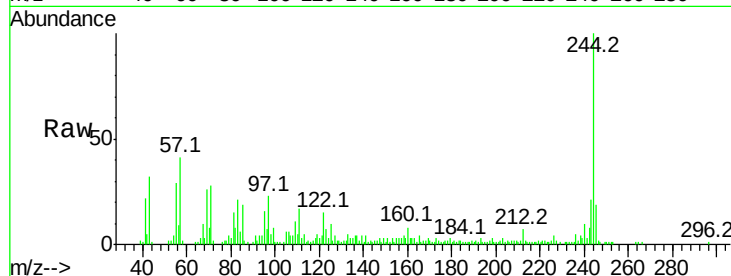
#78
 Terphenyl-d14
 Concen: 6.92 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.8	10.3	15.5

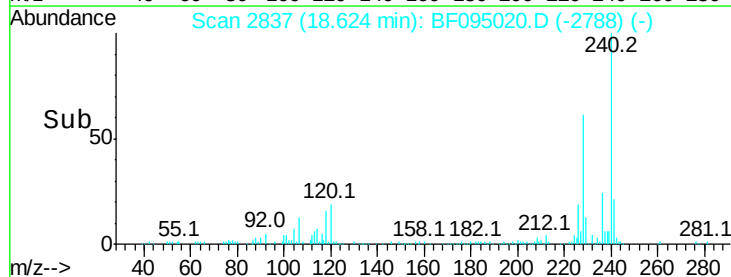
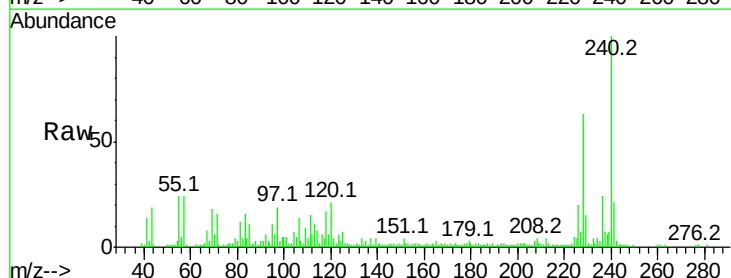
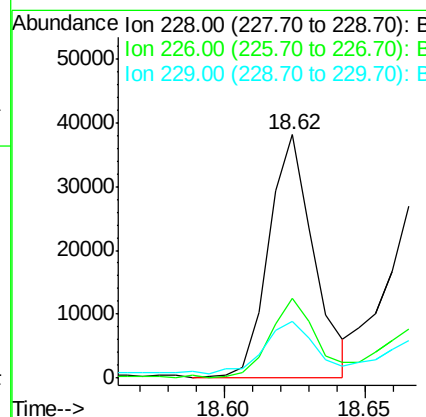
Manual Integrations
 APPROVED

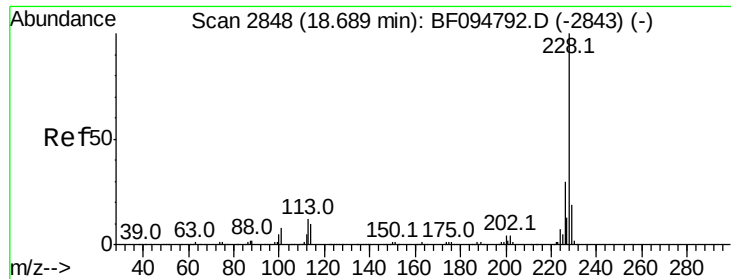
mohammad
 5/9/2017 5:03:40 PM



#80
 Benzo(a)anthracene
 Concen: 3.78 ng
 RT: 18.62 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	23.6	16.3	24.5





#82

Chrysene

Concen: 3.90 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095020.D

Acq: 9 May 2017 13:11

Instrument :

BNA_F

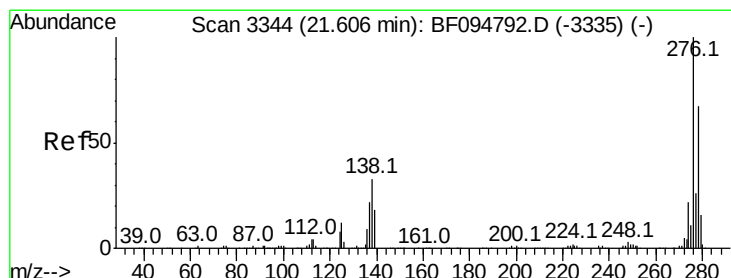
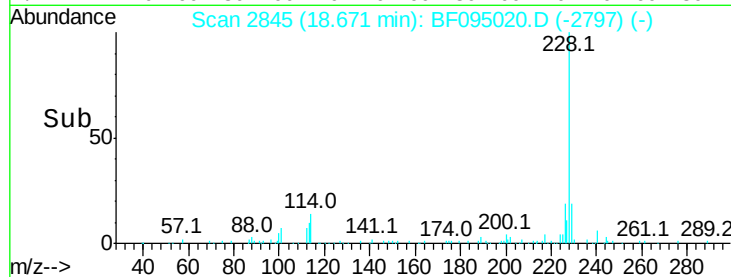
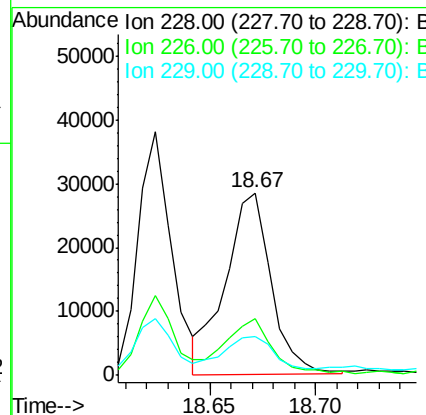
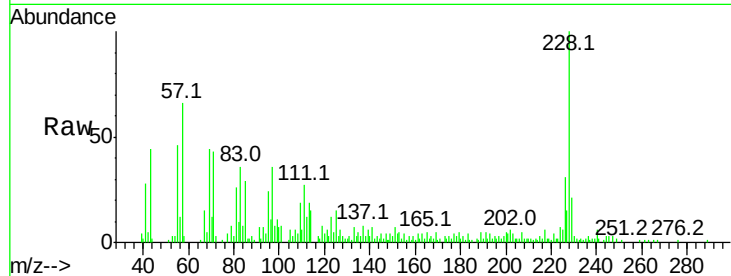
ClientSampled :

E2-U9-BASE

Tot Ion:	228	Resp:	42349
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	21.2	15.8	23.6

Manual Integrations
APPROVED

mohammad
5/9/2017 5:03:40 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.63 ng

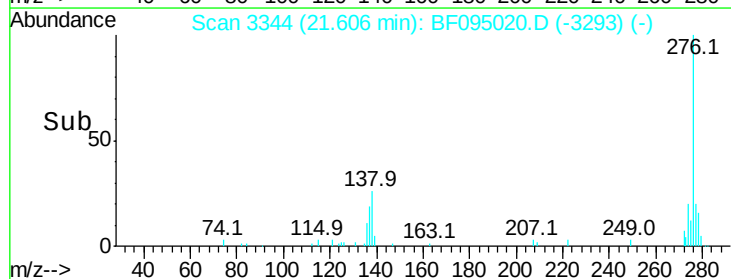
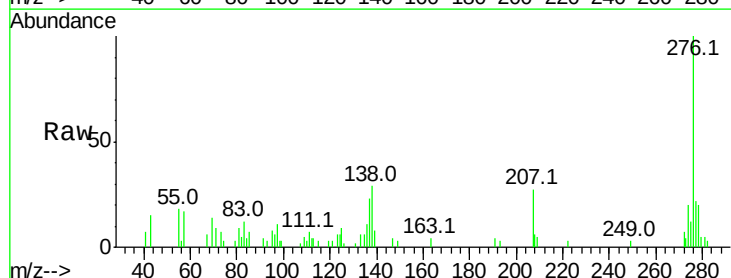
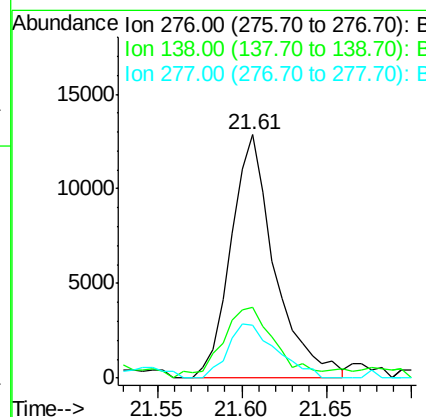
RT: 21.61 min Scan# 3344

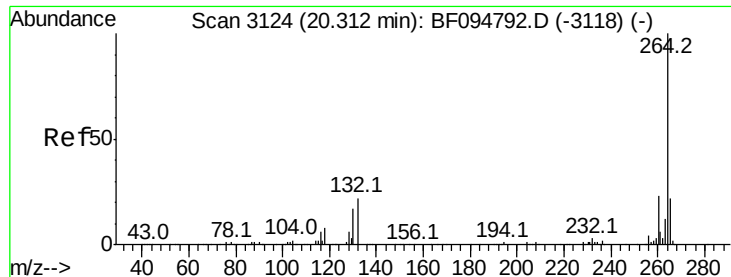
Delta R.T. 0.00 min

Lab File: BF095020.D

Acq: 9 May 2017 13:11

Tgt Ion:	276	Resp:	23181
Ion Ratio	Lower	Upper	
276	100		
138	35.1	27.8	41.6
277	24.5	20.2	30.4





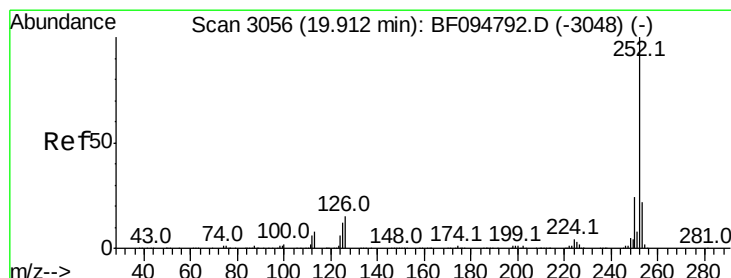
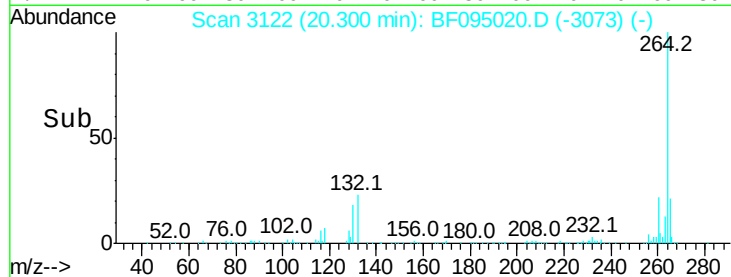
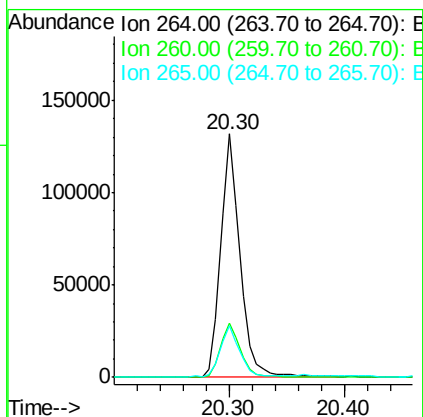
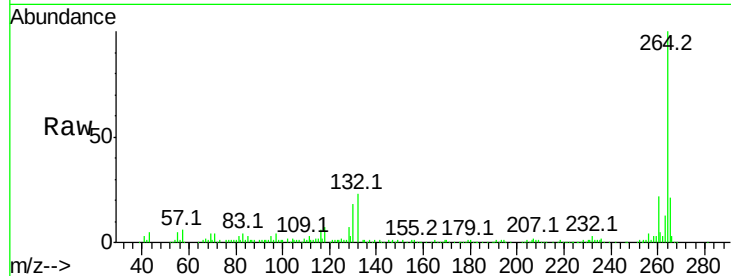
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Instrument :
BNA_F
ClientSampleId :
E2-U9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
264	100	153170		
260	22.0		19.5	29.3
265	21.2		17.2	25.8

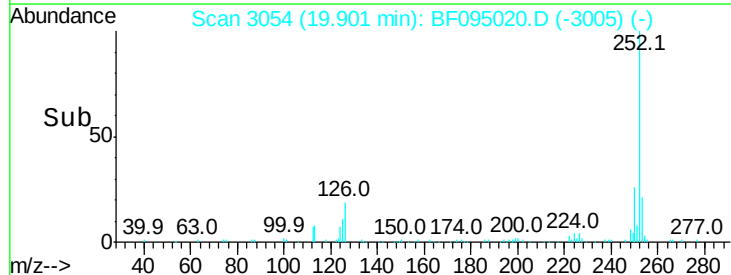
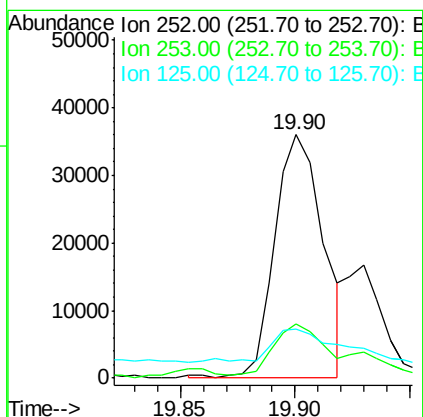
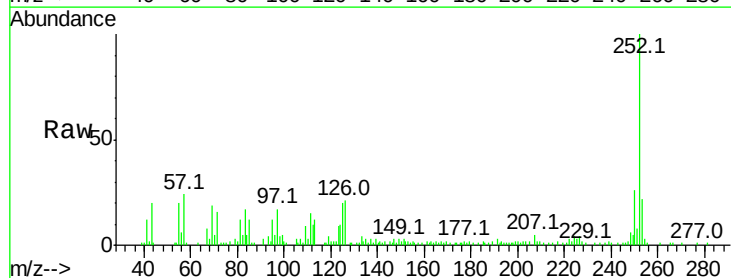
Manual Integrations
APPROVED

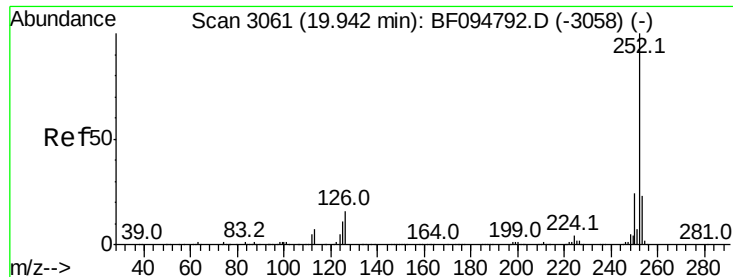
mohammad
5/9/2017 5:03:40 PM



#87
Benzo(b)fluoranthene
Concen: 5.62 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	53221		
253	22.0		18.1	27.1
125	20.1		9.8	14.8#





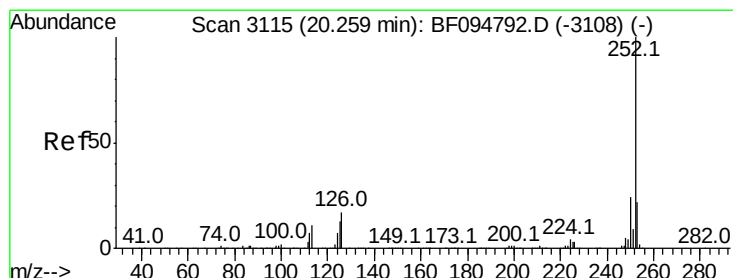
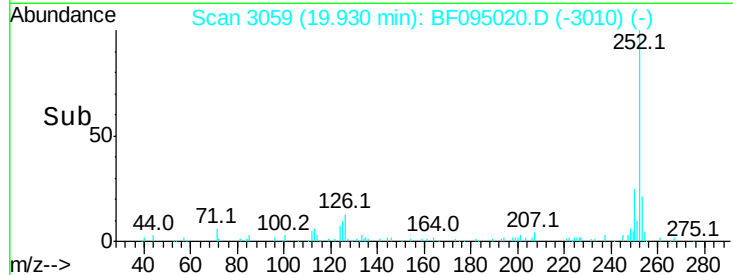
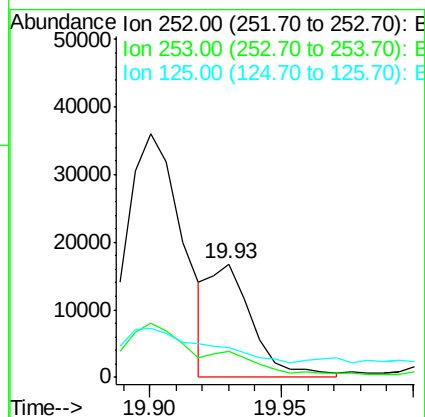
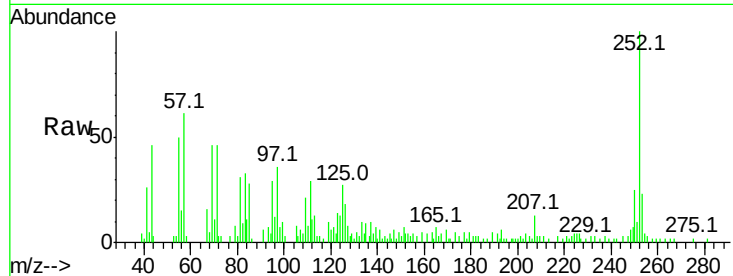
#88
Benzo(k)fluoranthene
Concen: 2.13 ng m
RT: 19.93 min Scan# 3059
Delta R.T. -0.01 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Instrument :
BNA_F
ClientSampleId :
E2-U9-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	26.7	13.1	19.7

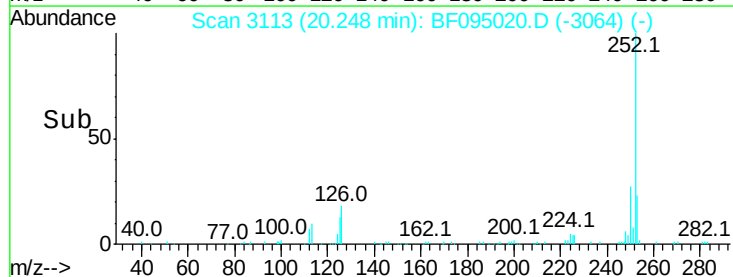
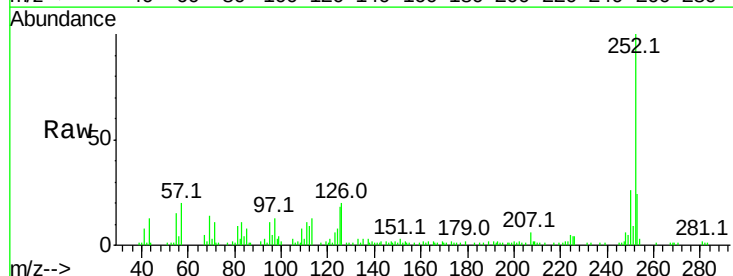
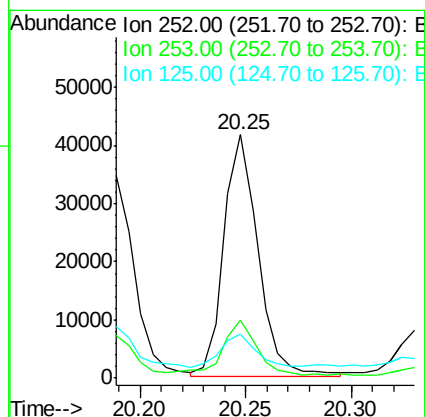
Manual Integrations
APPROVED

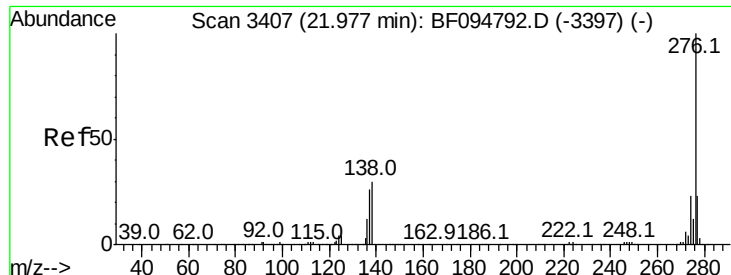
mohammad
5/9/2017 5:03:40 PM



#89
Benzo(a)pyrene
Concen: 5.31 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095020.D
Acq: 9 May 2017 13:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	18.2	11.0	16.4





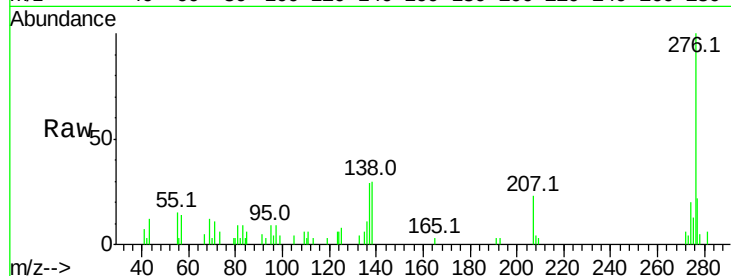
#91
 Benzo(a,h,i)perylene
 Concen: 3.83 ng
 RT: 21.98 min Scan# 3408
 Delta R.T. 0.01 min
 Lab File: BF095020.D
 Acq: 9 May 2017 13:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-U9-BASE

Tot Ion:	276	Resp:	27101
Ion Ratio	Lower	Upper	
276	100		
277	22.3	18.6	28.0
138	29.7	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:03:40 PM



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

