

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095422.D
 Acq On : 25 May 2017 12:33
 Operator : SJ/MA
 Sample : I3300-02 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Manual Integrations
 APPROVED

mohammad
 5/25/2017 6:11:35 PM

Quant Time: May 25 16:41:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	74748	20.00	ng	-0.01
21) Naphthalene-d8	9.77	136	281453	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	109538	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	186208	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	172188	20.00	ng	-0.01
86) Perylene-d12	20.36	264	114692	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	99999m	22.30	ng	0.04
7) Phenol-d6	7.36	99	116250m	21.61	ng	0.05
23) Nitrobenzene-d5	8.69	82	61228m	13.72	ng	0.02
41) 2,4,6-Tribromophenol	13.92	330	16320	18.19	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	103233	13.56	ng	-0.01
78) Terphenyl-d14	17.32	244	79977	10.23	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.81	128	35322	2.50	ng	98
48) Acenaphthylene	12.38	152	51853	4.45	ng	97
57) Fluorene	13.51	166	18554	2.21	ng	# 94
70) Phenanthrene	15.05	178	150780	14.09	ng	97
71) Anthracene	15.14	178	49234	4.51	ng	97
74) Fluoranthene	16.79	202	172296	15.70	ng	99
77) Pyrene	17.09	202	365565	28.39	ng	98
80) Benzo(a)anthracene	18.67	228	96852m	9.66	ng	
82) Chrysene	18.71	228	99735	10.29	ng	97
85) Indeno(1,2,3-cd)pyrene	21.70	276	44796	5.69	ng	94
87) Benzo(b)fluoranthene	19.95	252	91161m	12.86	ng	
88) Benzo(k)fluoranthene	19.98	252	33051m	4.83	ng	
89) Benzo(a)pyrene	20.31	252	98802	15.11	ng	99
91) Benzo(a,h,i)perylene	22.09	276	71421	13.48	ng	99

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

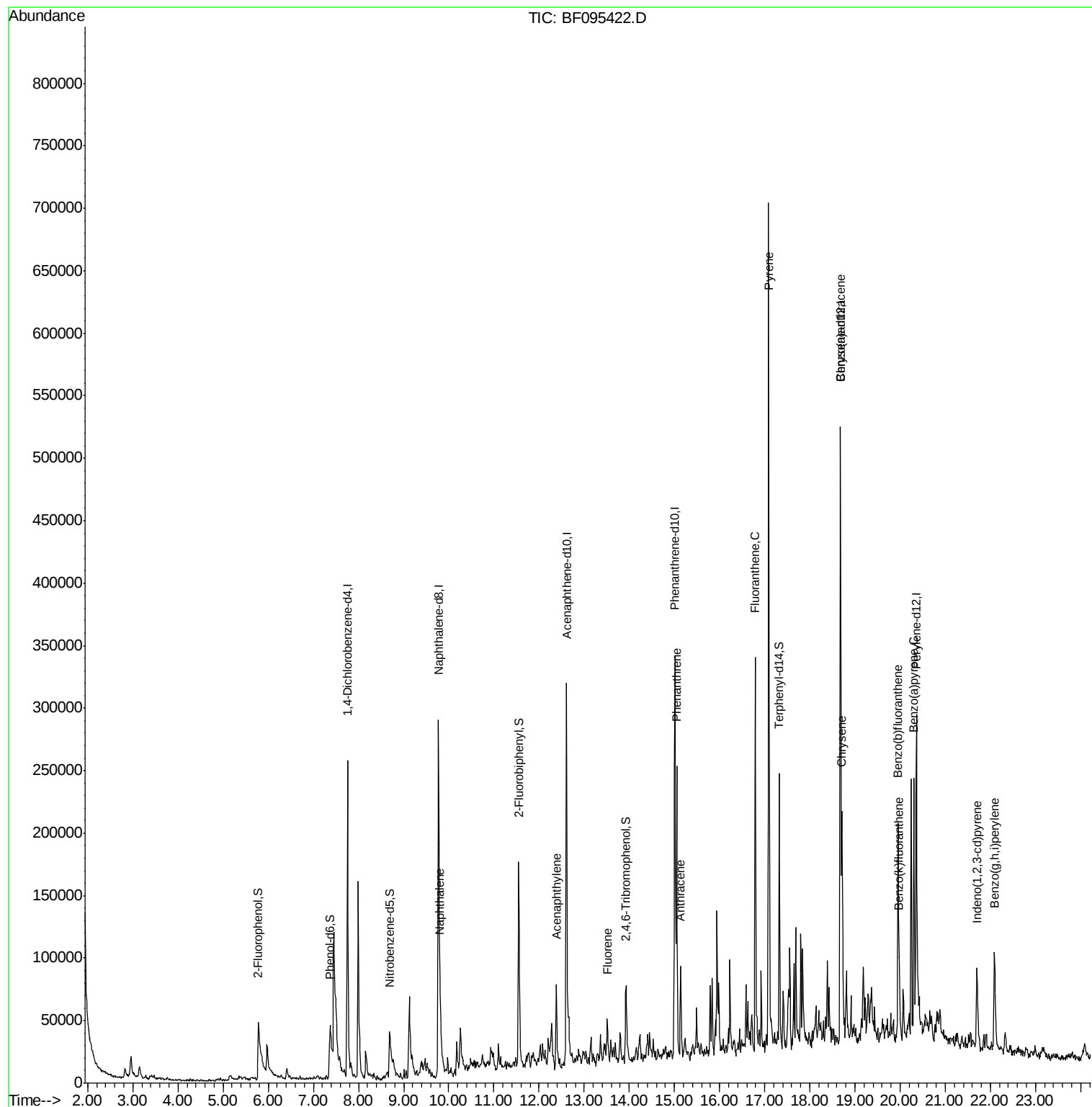
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095422.D
Acq On : 25 May 2017 12:33
Operator : SJ/MA
Sample : I3300-02 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

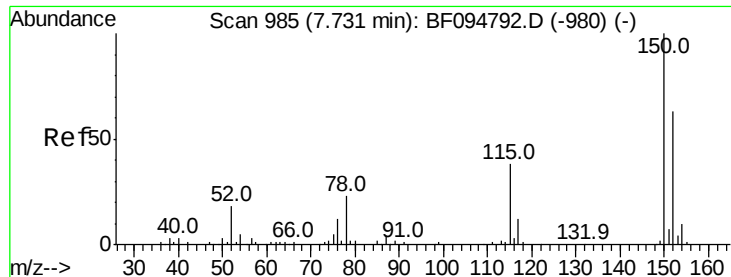
Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM

Quant Time: May 25 16:41:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration





#1

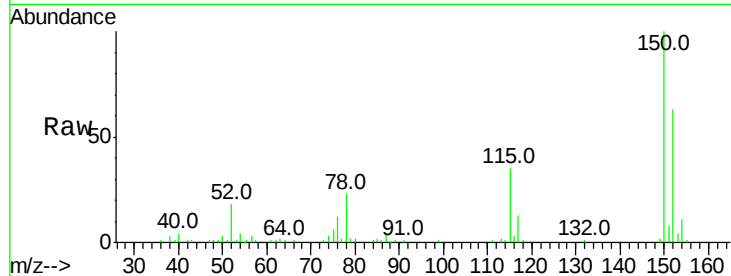
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

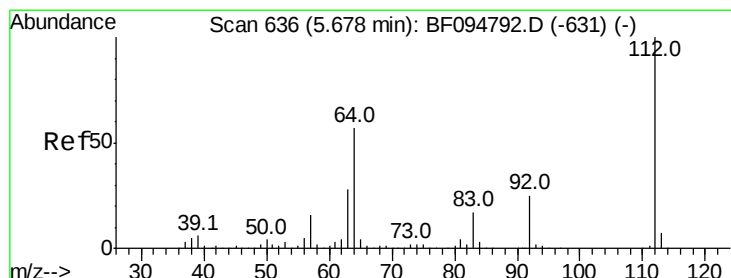
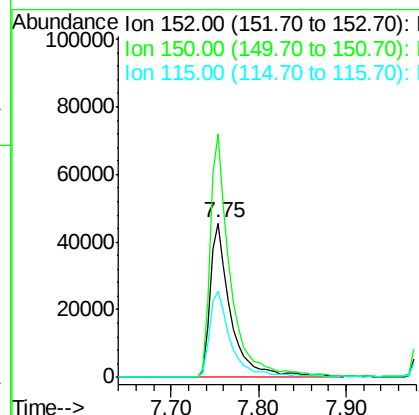
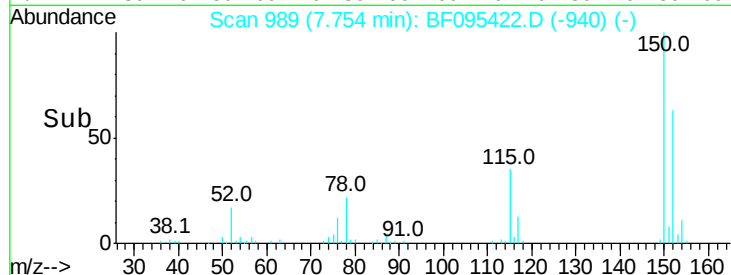
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	55.6	52.2	78.2

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



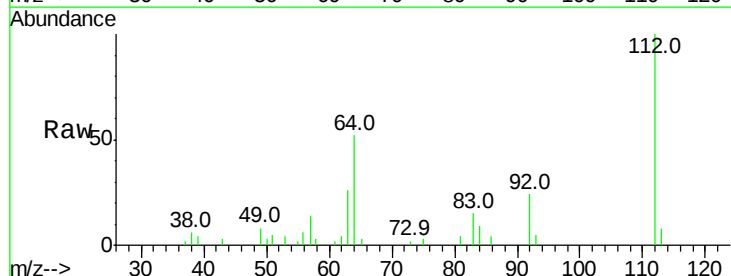
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



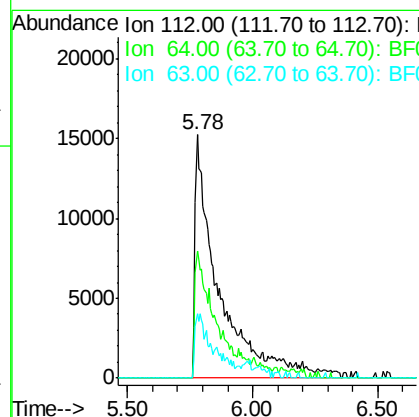
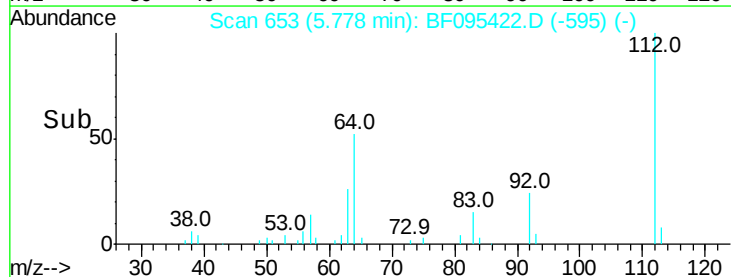
#5

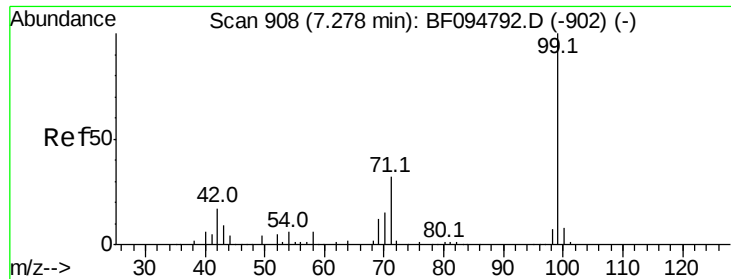
2-Fluorophenol
Concen: 22.30 ng m
RT: 5.78 min Scan# 653
Delta R.T. 0.04 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	46.0	69.0
63	26.3	23.4	35.0



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: 21.61 ng/mL

RT: 7.36 min Scan# 922

Delta R.T. 0.05 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

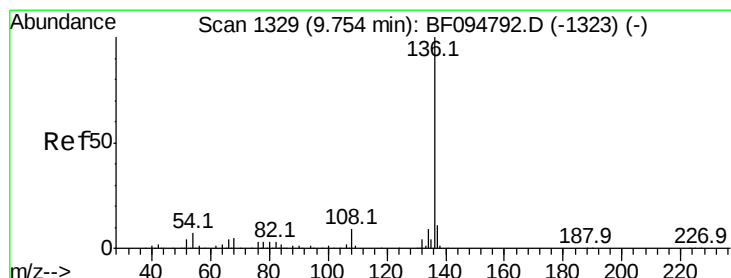
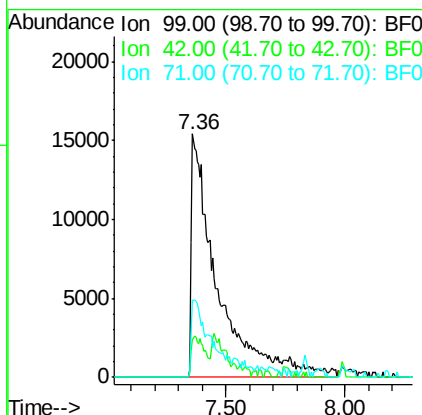
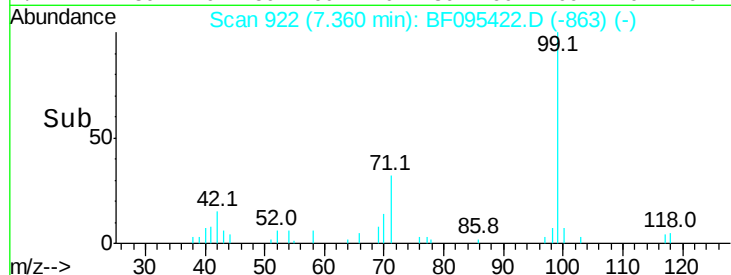
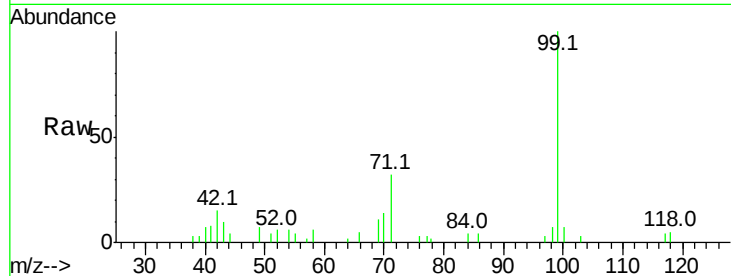
ClientSampleId :

E2-T10-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		116250		
42	15.2	13.5	20.3		
71	31.5	24.5	36.7		

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



#21

Naphthalene-d8

Concen: 20.00 ng

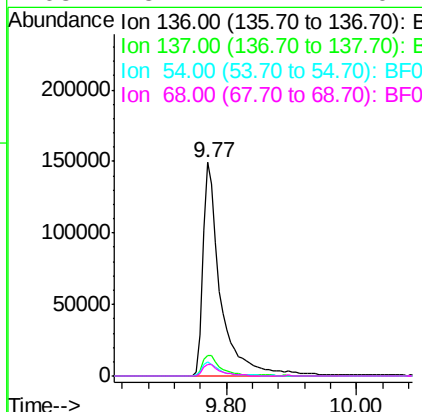
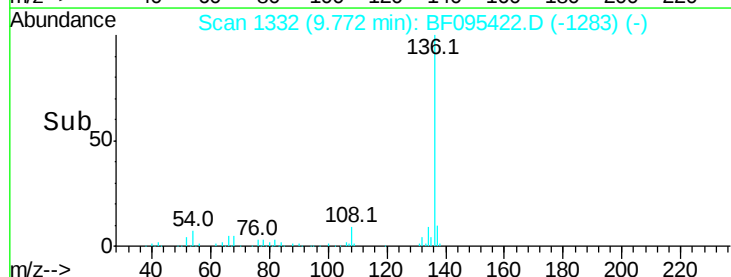
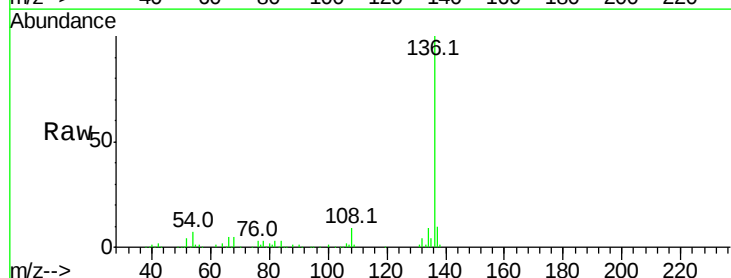
RT: 9.77 min Scan# 1332

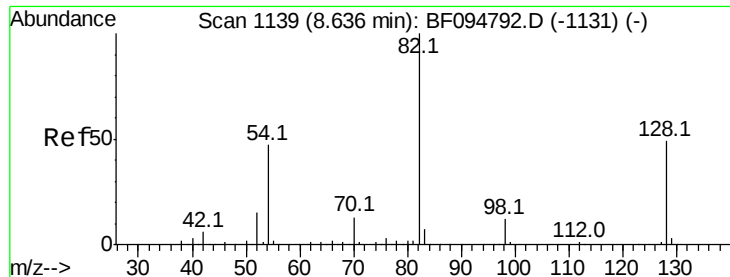
Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		281453		
137	9.8	8.5	12.7		
54	6.6	4.9	7.3		
68	5.4	4.1	6.1		





#23

Nitrobenzene-d5

Concen: 13.72 ng/mL

RT: 8.69 min Scan# 1148

Delta R.T. 0.02 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

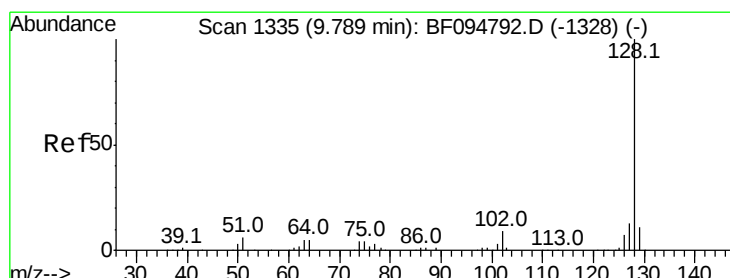
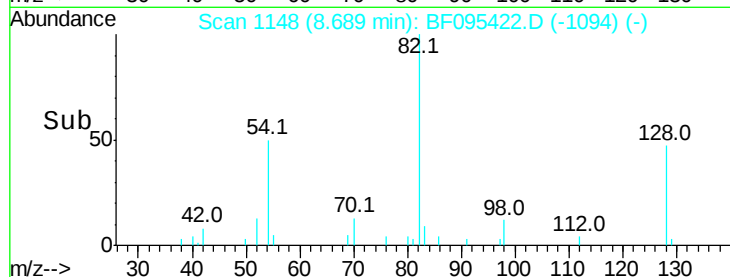
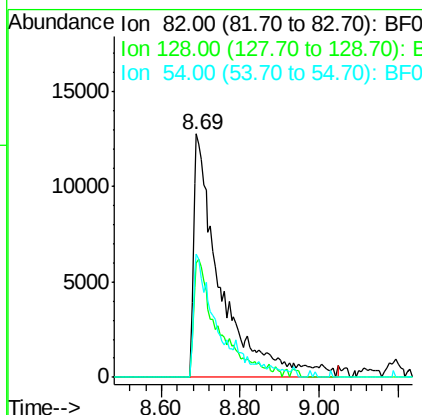
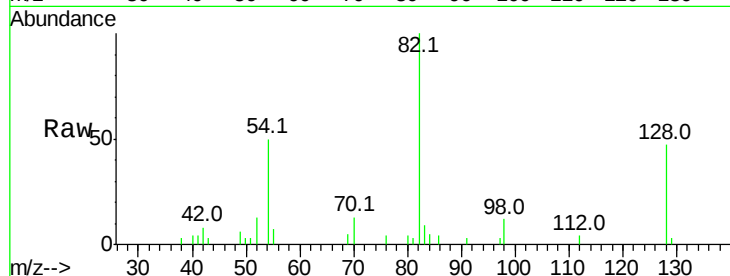
ClientSampleId :

E2-T10-BASE

Tot Ion:	82	Resp:	61228
Ion Ratio	Lower	Upper	
82	100		
128	47.1	34.0	51.0
54	50.5	42.2	63.2

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



#31

Naphthalene

Concen: 2.50 ng

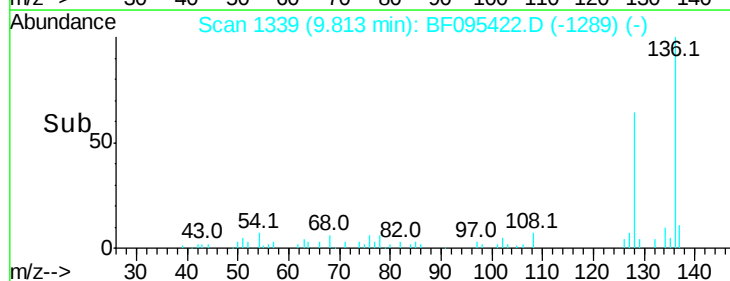
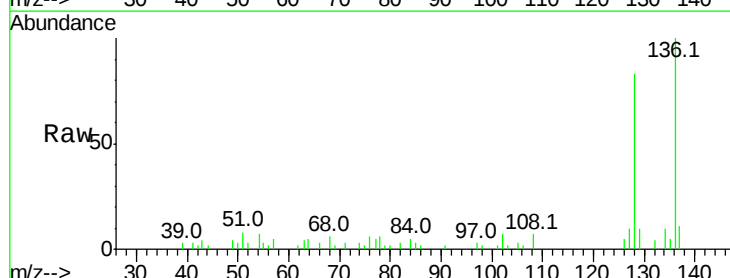
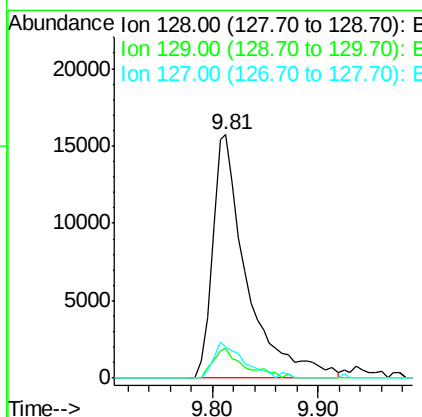
RT: 9.81 min Scan# 1339

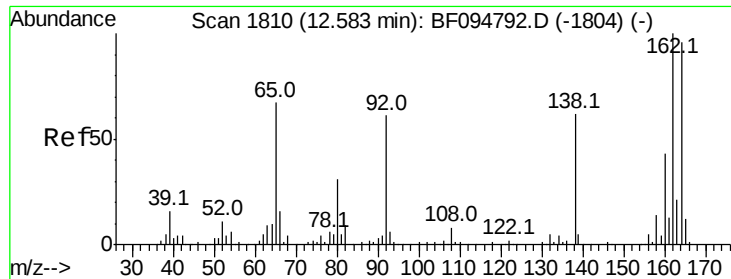
Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Tgt Ion:	128	Resp:	35322
Ion Ratio	Lower	Upper	
128	100		
129	12.2	9.0	13.6
127	12.6	10.8	16.2





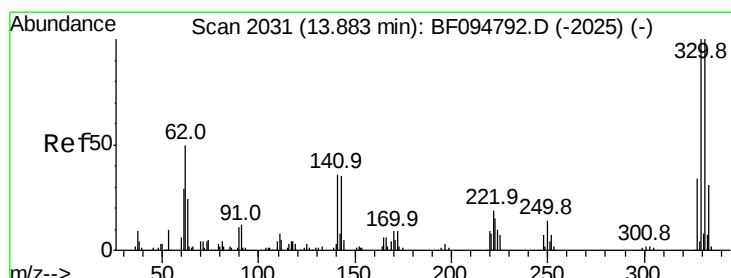
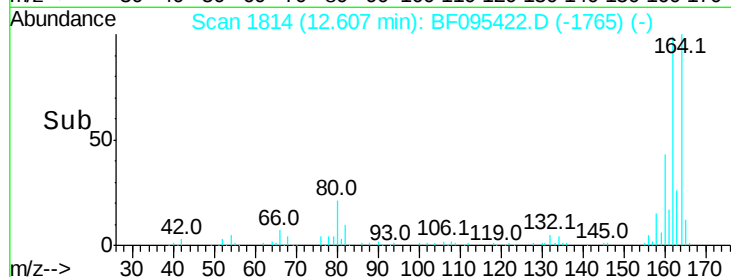
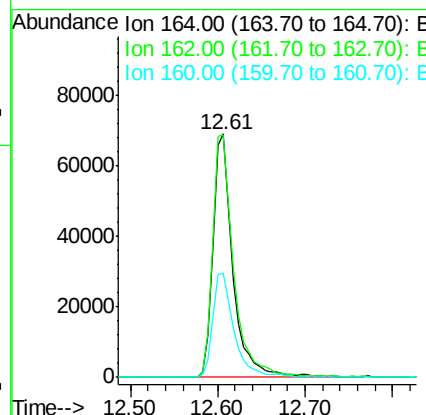
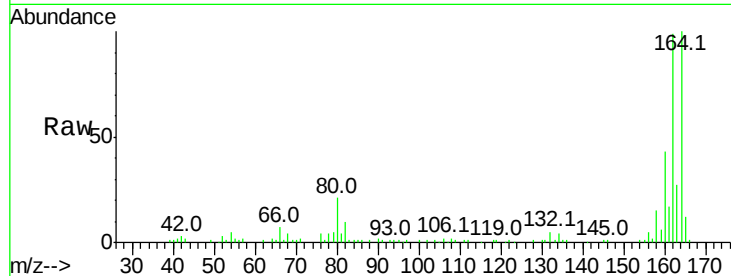
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	109538		
162	99.4	82.6	123.8	
160	42.5	36.2	54.2	

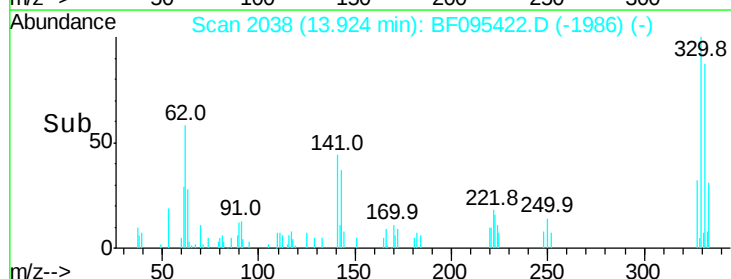
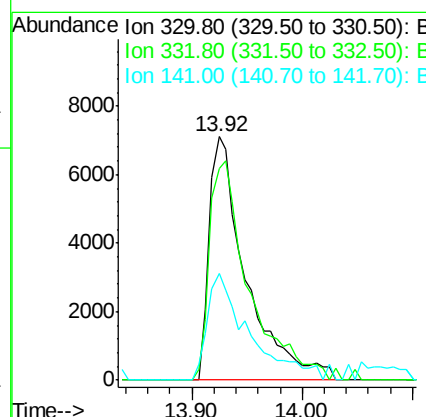
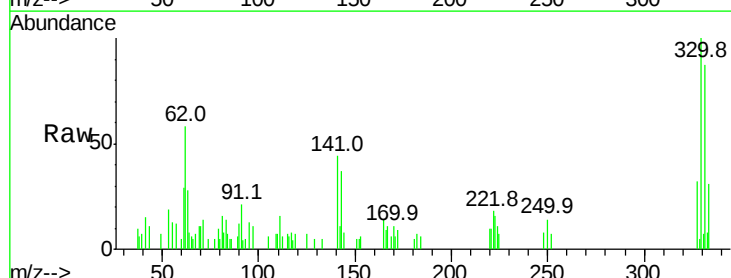
Manual Integrations
APPROVED

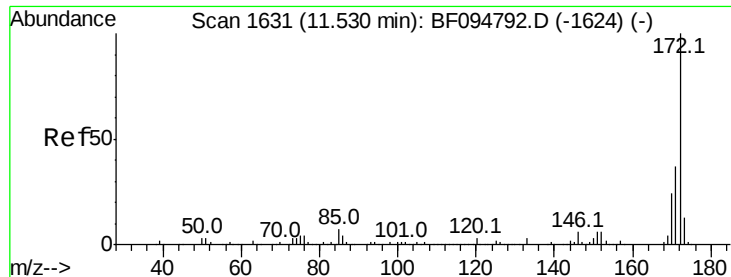
mohammad
5/25/2017 6:11:35 PM



#41
2,4,6-Tribromophenol
Concen: 18.19 ng
RT: 13.92 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	16320		
332	97.3	76.6	115.0	
141	50.2	31.4	47.2	





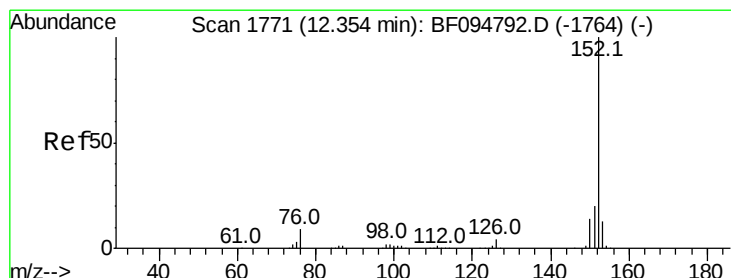
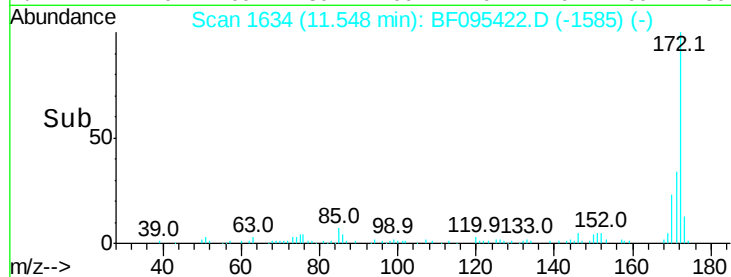
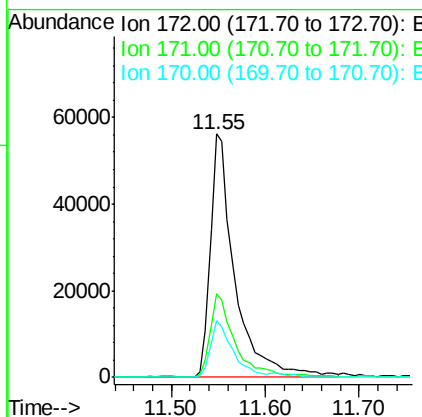
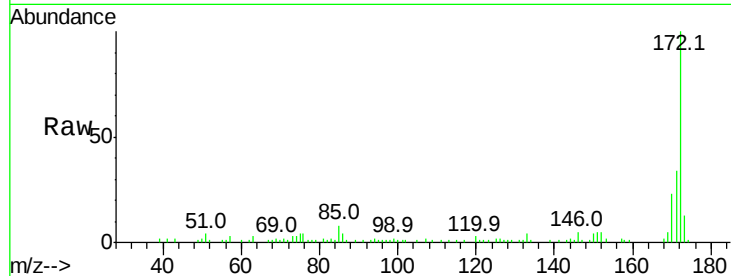
#44
 2-Fluorobiphenyl
 Concen: 13.56 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.3	29.6	44.4	
170	23.4	19.8	29.8	

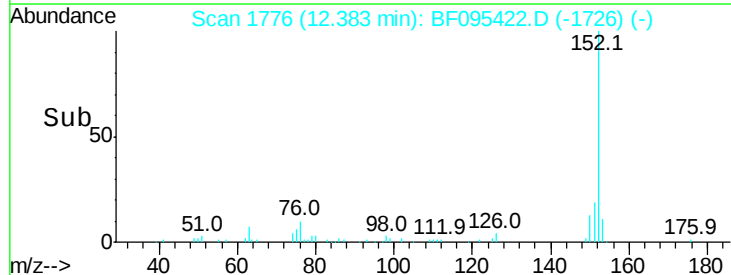
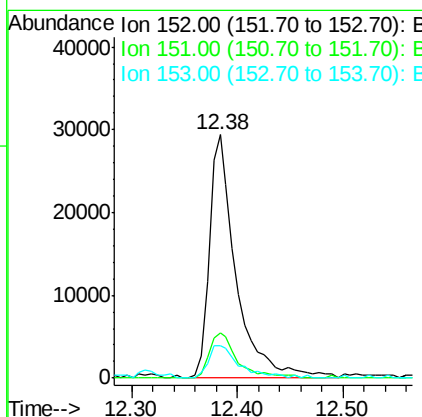
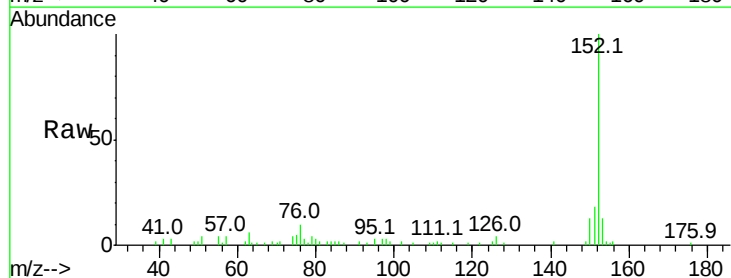
Manual Integrations
 APPROVED

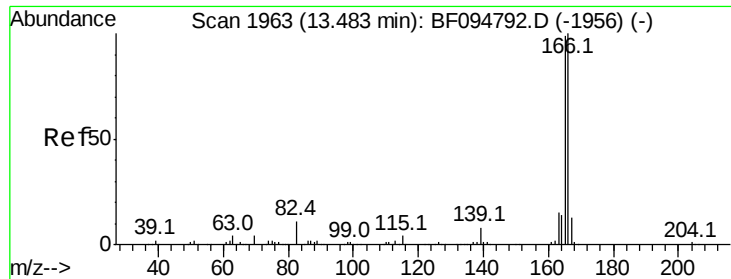
mohammad
 5/25/2017 6:11:35 PM



#48
 Acenaphthylene
 Concen: 4.45 ng
 RT: 12.38 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	18.5	16.8	25.2	
153	13.4	10.8	16.2	





#57

Fluorene

Concen: 2.21 ng

RT: 13.51 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

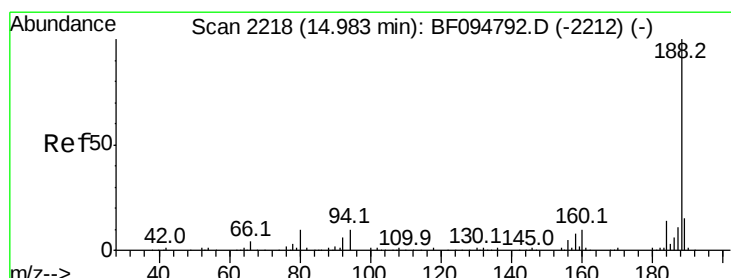
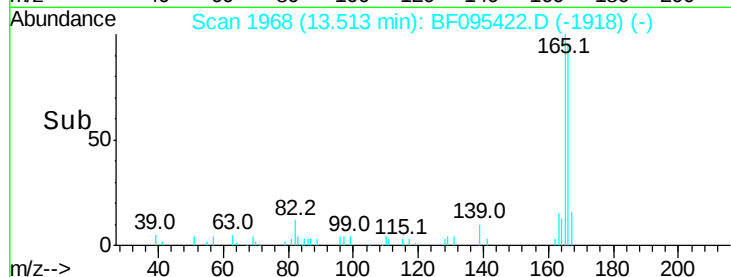
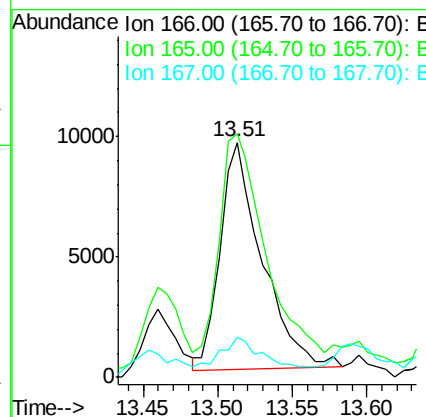
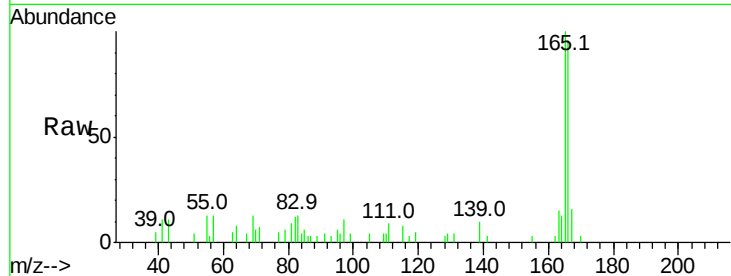
ClientSampleId :

E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.7	78.8	118.2
167	17.1	10.6	16.0

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

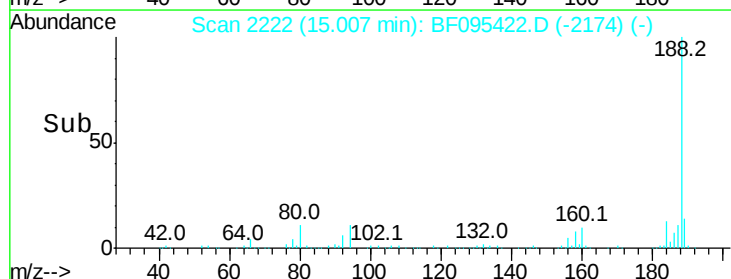
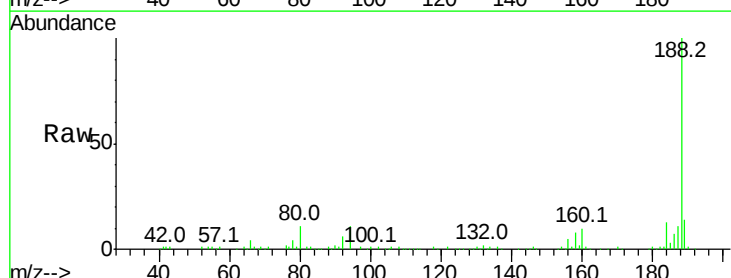
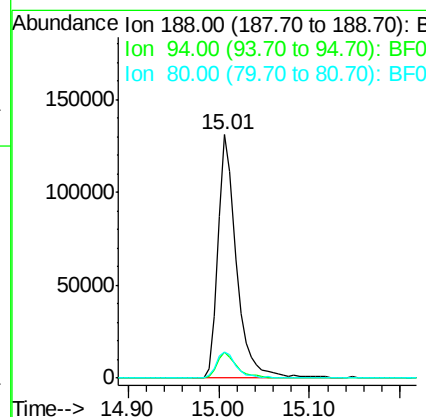
RT: 15.01 min Scan# 2222

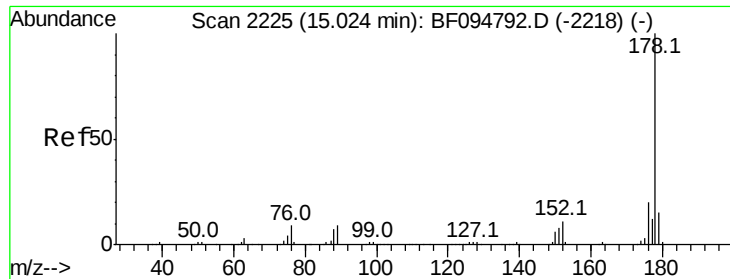
Delta R.T. -0.02 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	10.6	10.2	15.2





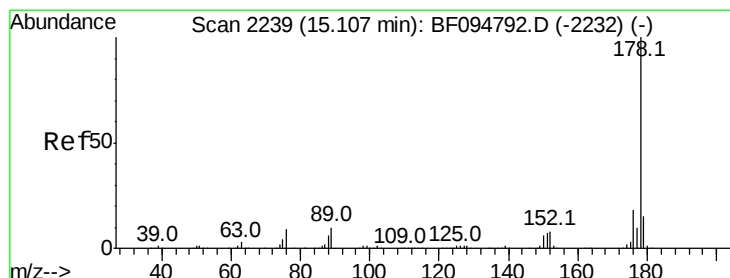
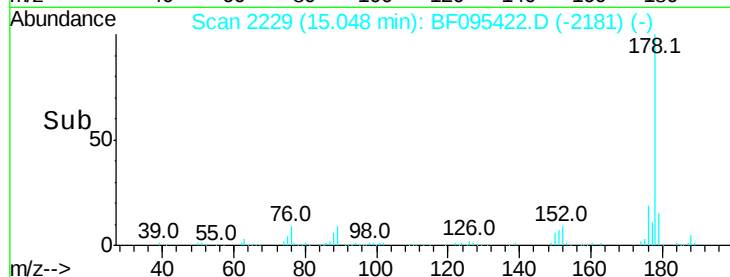
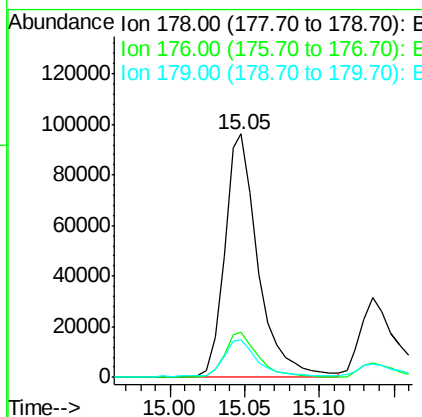
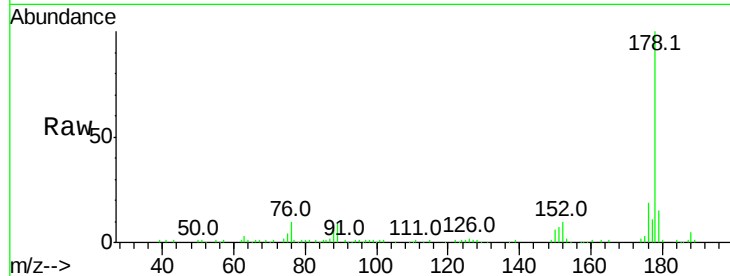
#70
Phenanthrene
Concen: 14.09 ng
RT: 15.05 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.3	12.6	19.0

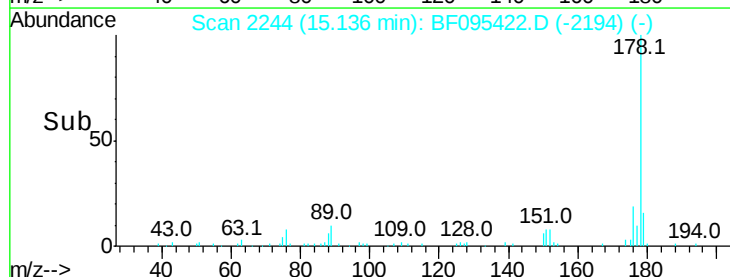
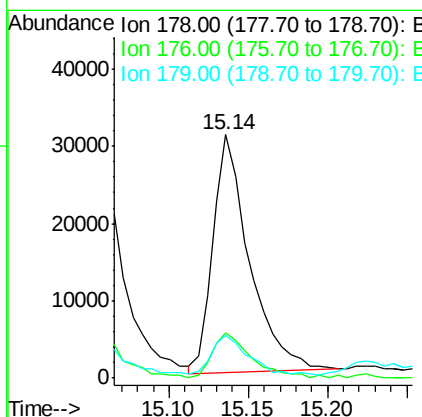
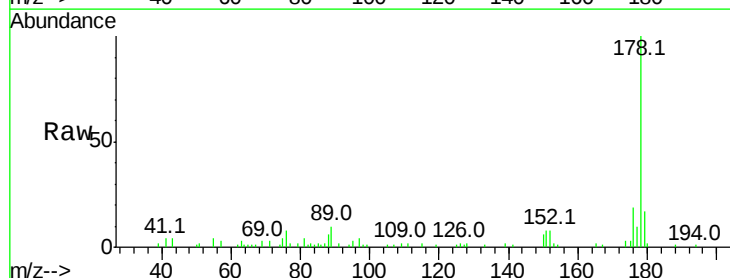
Manual Integrations
APPROVED

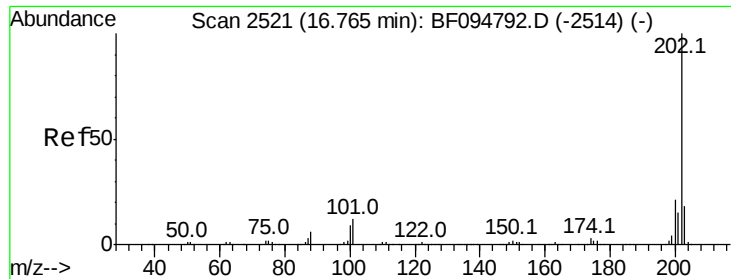
mohammad
5/25/2017 6:11:35 PM



#71
Anthracene
Concen: 4.51 ng
RT: 15.14 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	17.3	12.7	19.1





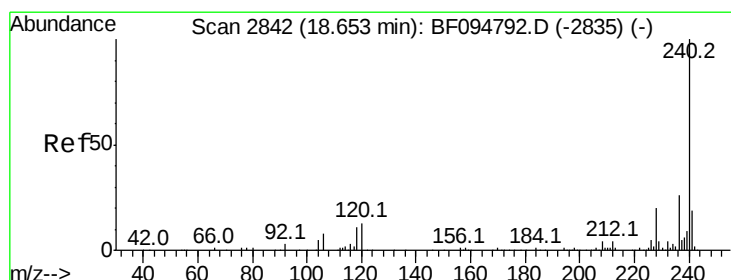
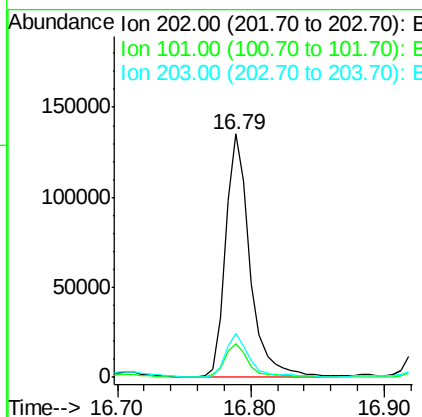
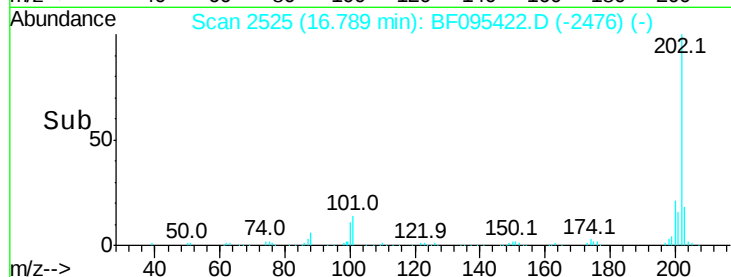
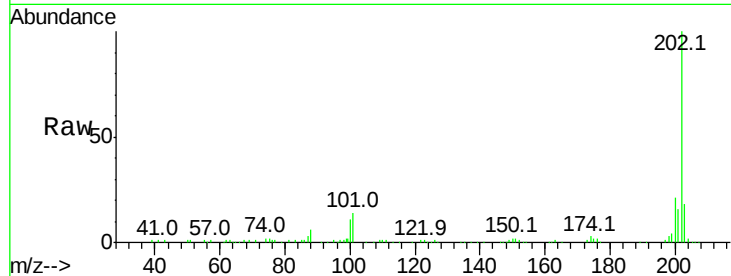
#74
 Fluoranthene
 Concen: 15.70 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.9	0.0	38.1

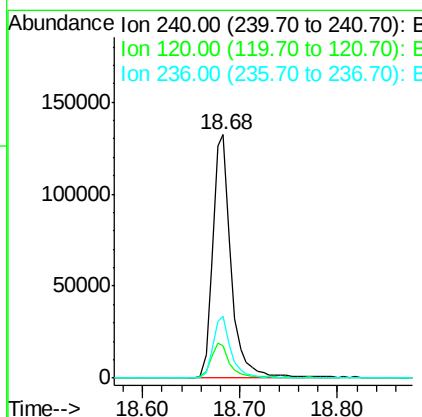
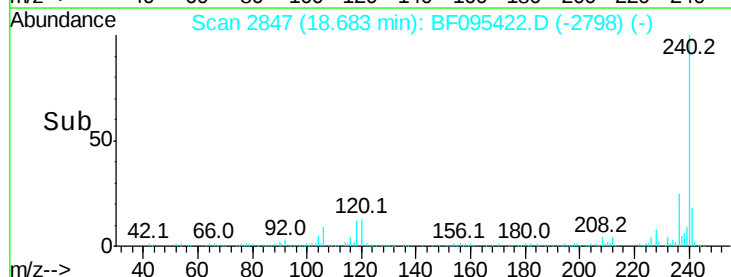
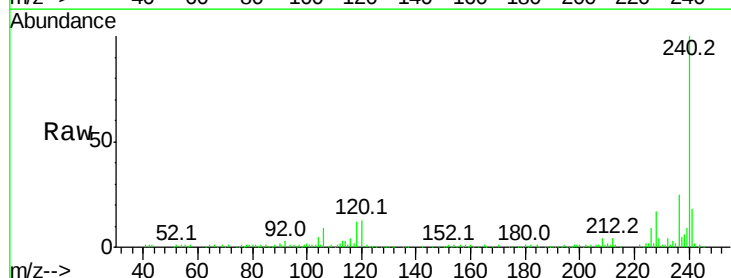
Manual Integrations
 APPROVED

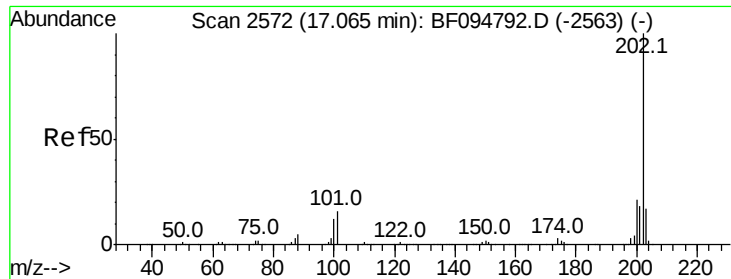
mohammad
 5/25/2017 6:11:35 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	25.3	20.5	30.7





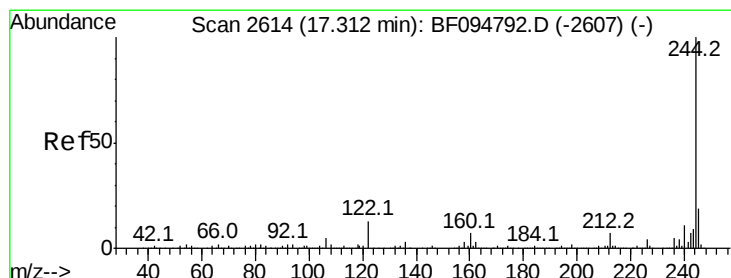
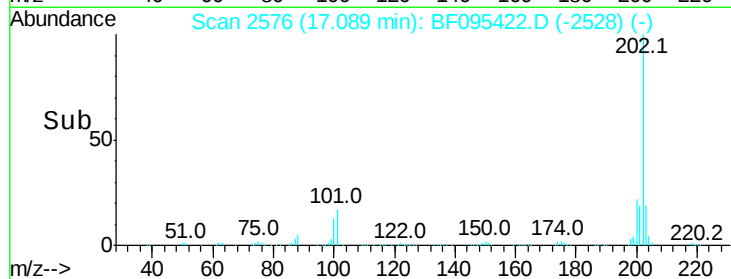
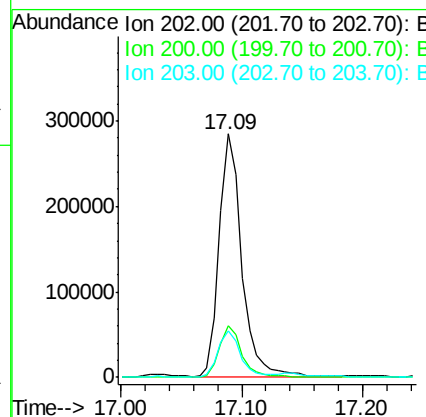
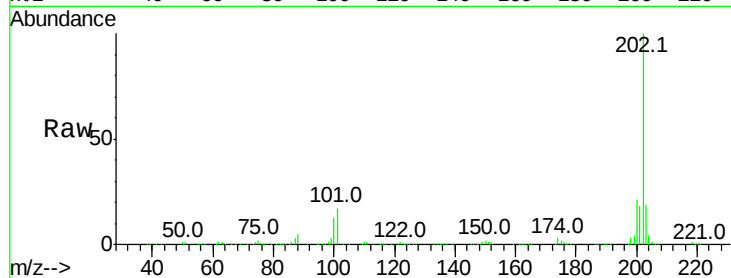
#77
Pvrene
Concen: 28.39 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.6	26.4
203	19.2	14.4	21.6

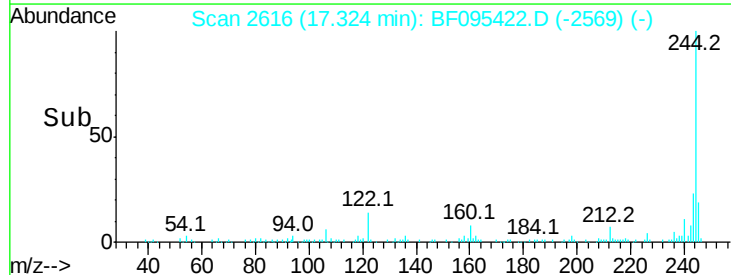
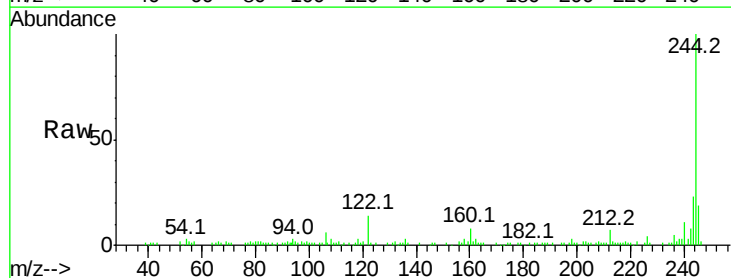
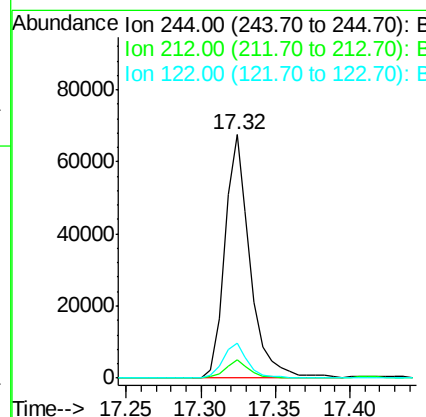
Manual Integrations
APPROVED

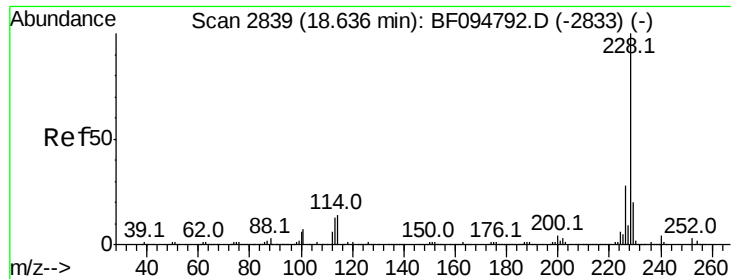
mohammad
5/25/2017 6:11:35 PM



#78
Terphenyl-d14
Concen: 10.23 ng
RT: 17.32 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.2	10.3	15.5





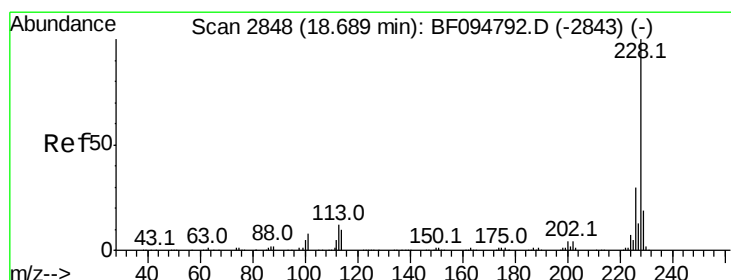
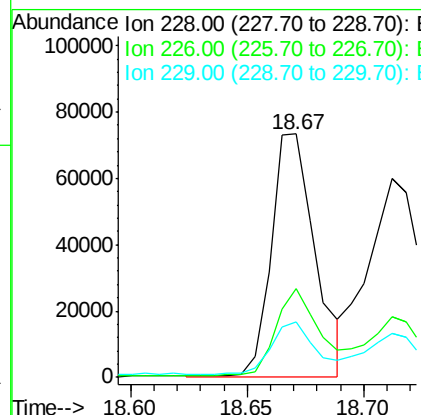
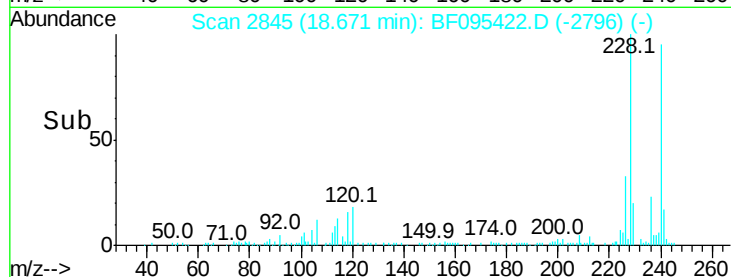
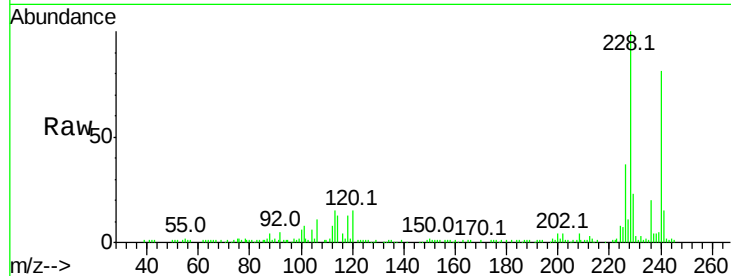
#80
Benzo(a)anthracene
Concen: 9.66 ng m
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.6	33.8#
229	22.9	16.3	24.5

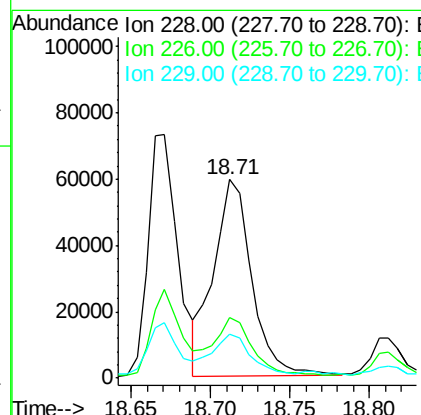
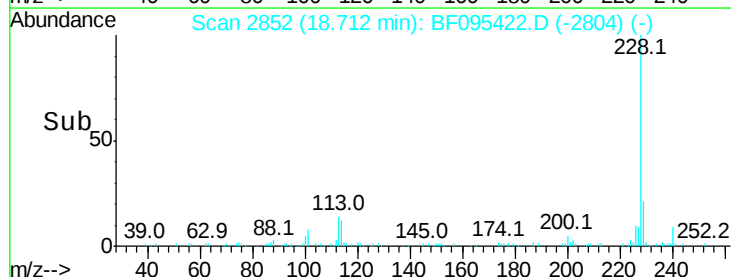
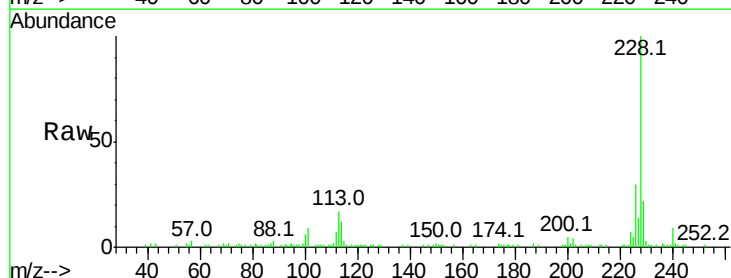
Manual Integrations
APPROVED

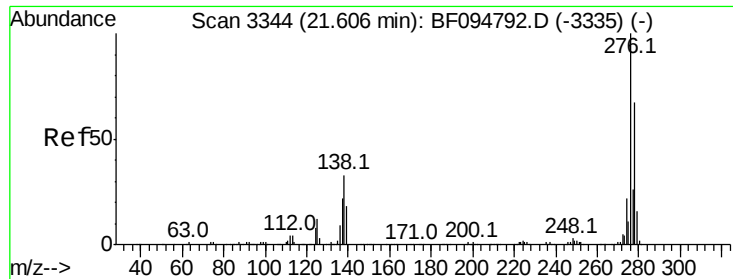
mohammad
5/25/2017 6:11:35 PM



#82
Chrysene
Concen: 10.29 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.1	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.69 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.00 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

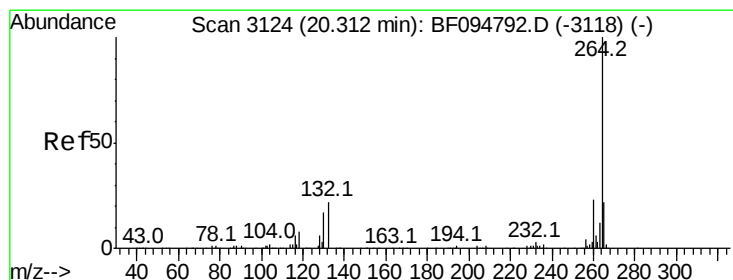
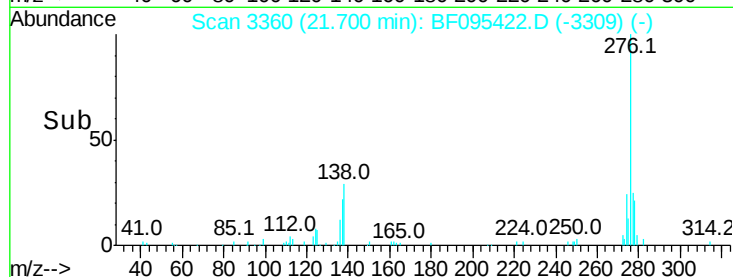
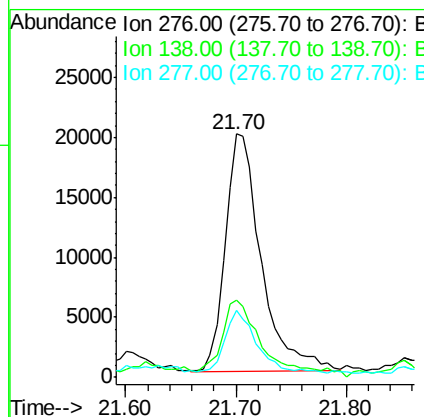
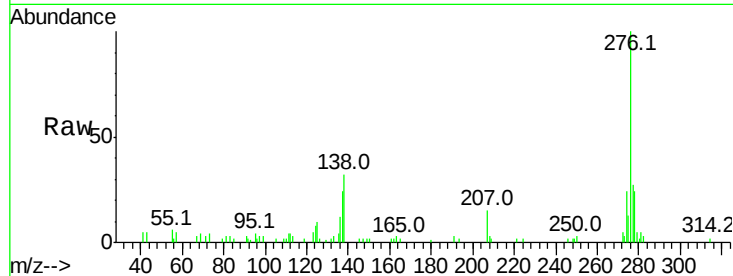
ClientSampleId :

E2-T10-BASE

Tot Ion:	276	Resp:	44796
Ion Ratio	Lower	Upper	
276	100		
138	38.3	27.8	41.6
277	22.2	20.2	30.4

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



#86

Perylene-d12

Concen: 20.00 ng

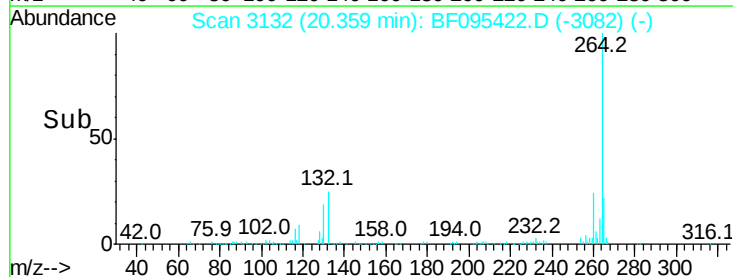
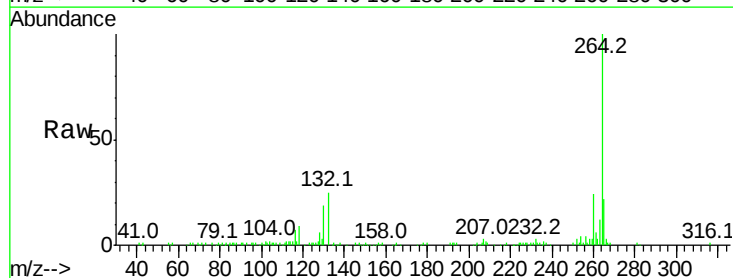
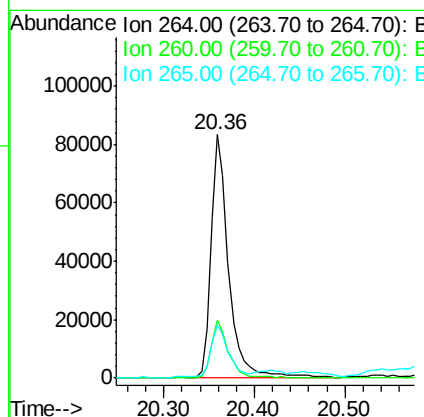
RT: 20.36 min Scan# 3132

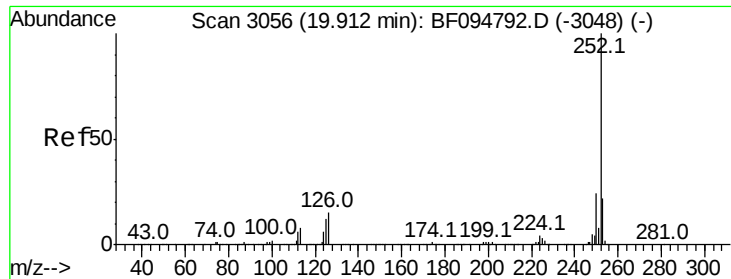
Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Tgt Ion:	264	Resp:	114692
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.86 ng m

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

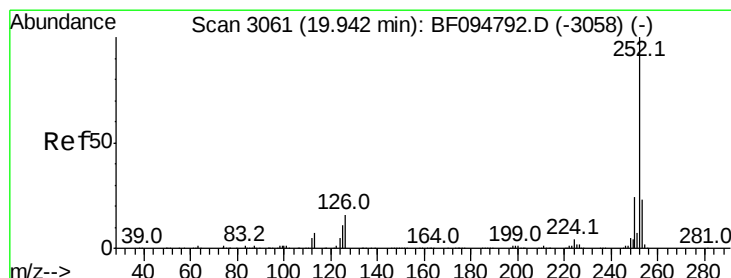
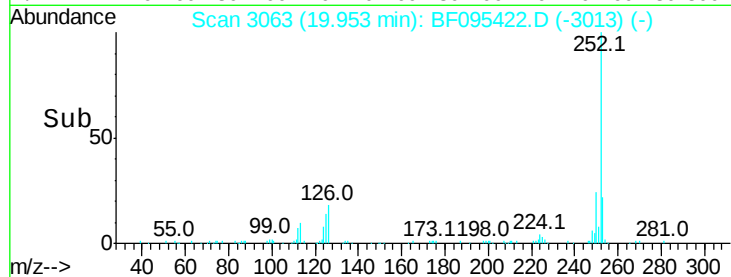
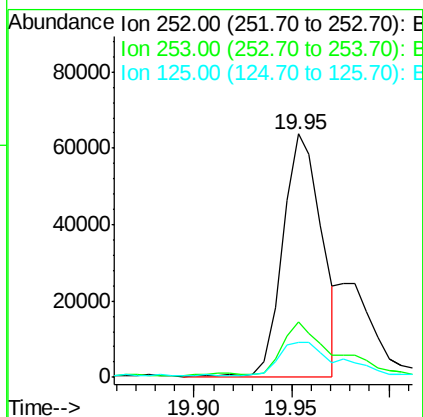
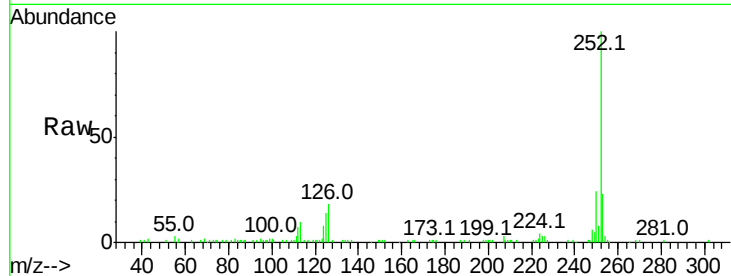
ClientSampleId :

E2-T10-BASE

Tot Ion:252	Resp:	91161
Ion Ratio	Lower	Upper
252	100	
253	22.7	18.1 27.1
125	14.2	9.8 14.8

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



#88

Benzo(k)fluoranthene

Concen: 4.83 ng m

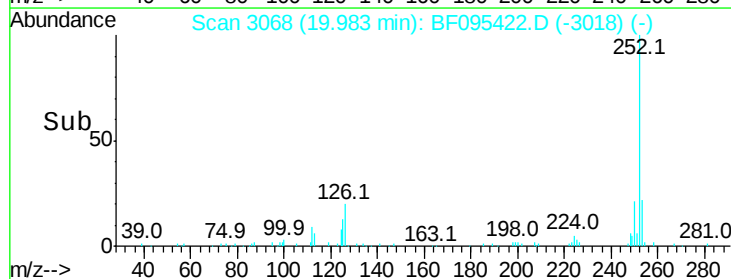
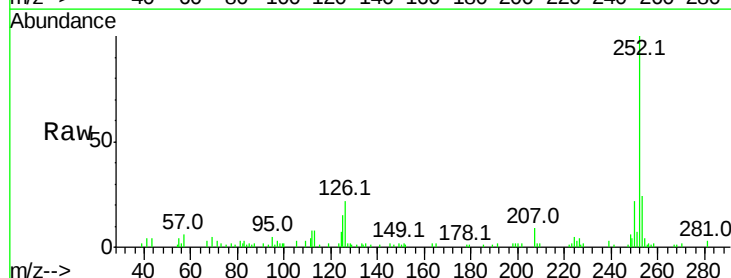
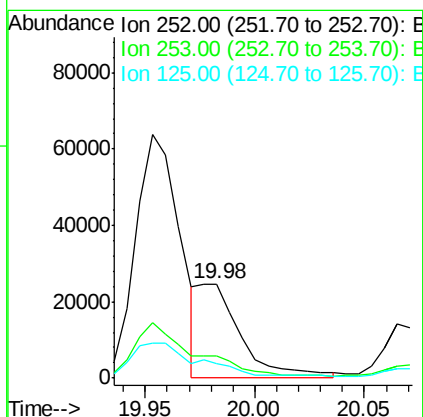
RT: 19.98 min Scan# 3068

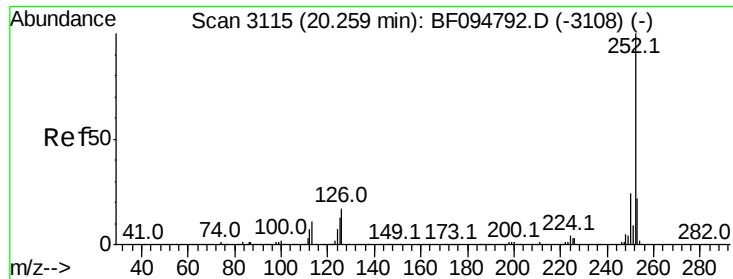
Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Tgt Ion:252	Resp:	33051
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	14.9	13.1 19.7





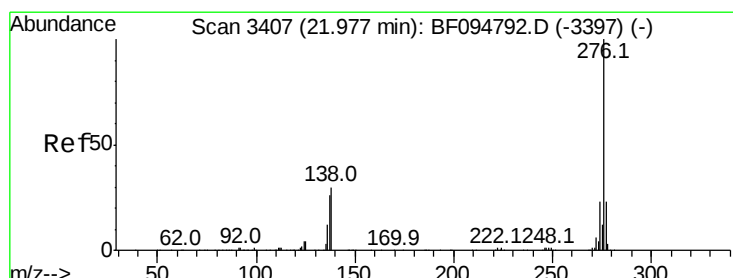
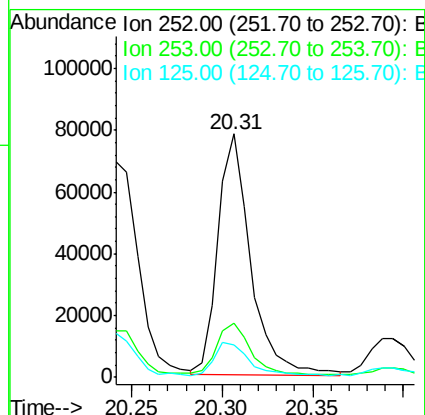
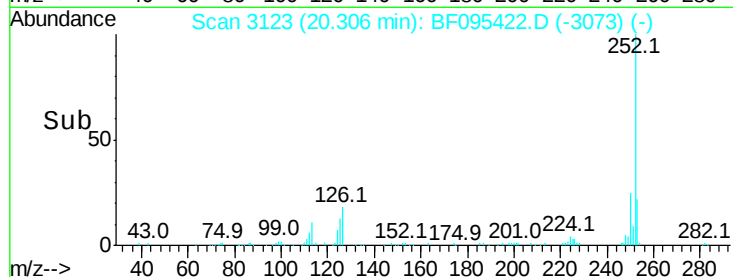
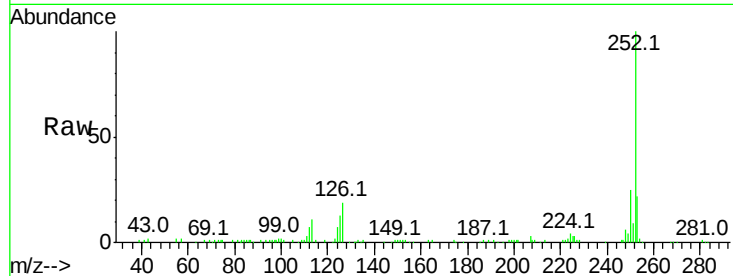
#89
Benzo(a)pyrene
Concen: 15.11 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	13.3	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/25/2017 6:11:35 PM



#91
Benzo(g,h,i)perylene
Concen: 13.48 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.1	18.6	28.0
138	32.1	25.4	38.0

