

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095155.D
 Acq On : 16 May 2017 12:53
 Operator : SJ/MA
 Sample : I3140-11 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-3

Manual Integrations
 APPROVED

mohammad
 5/17/2017 2:21:15 PM

Quant Time: May 16 16:22:49 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	7.78	152	61952	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	283032	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	118159	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	153318	20.00	ng	0.05
75) Chrysene-d12	18.70	240	179780	20.00	ng	0.05
86) Perylene-d12	20.38	264	113392	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	39954m	10.75	ng	0.12
7) Phenol-d6	7.37	99	48999m	10.99	ng	0.09
23) Nitrobenzene-d5	8.70	82	25429	5.67	ng	0.06
41) 2,4,6-Tribromophenol	13.94	330	7234	7.48	ng	0.06
44) 2-Fluorobiphenyl	11.57	172	64565	7.86	ng	0.04
78) Terphenyl-d14	17.35	244	44419	5.44	ng	0.04
Target Compounds						Qvalue
70) Phenanthrene	15.07	178	59956	6.81	ng	98
71) Anthracene	15.16	178	29433	3.27	ng	98
74) Fluoranthene	16.81	202	220854	24.44	ng	98
77) Pyrene	17.11	202	207805	15.46	ng	96
80) Benzo(a)anthracene	18.69	228	102066	9.75	ng	98
82) Chrysene	18.73	228	99603	9.85	ng	97
83) Bis(2-ethylhexyl)phthalate	18.75	149	36036	4.04	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.72	276	31801m	3.87	ng	
87) Benzo(b)fluoranthene	19.97	252	100876m	14.40	ng	
88) Benzo(k)fluoranthene	19.99	252	48440m	7.17	ng	
89) Benzo(a)pyrene	20.32	252	65273	10.10	ng	97
91) Benzo(a,h,i)perylene	22.11	276	33492	6.39	ng	92

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

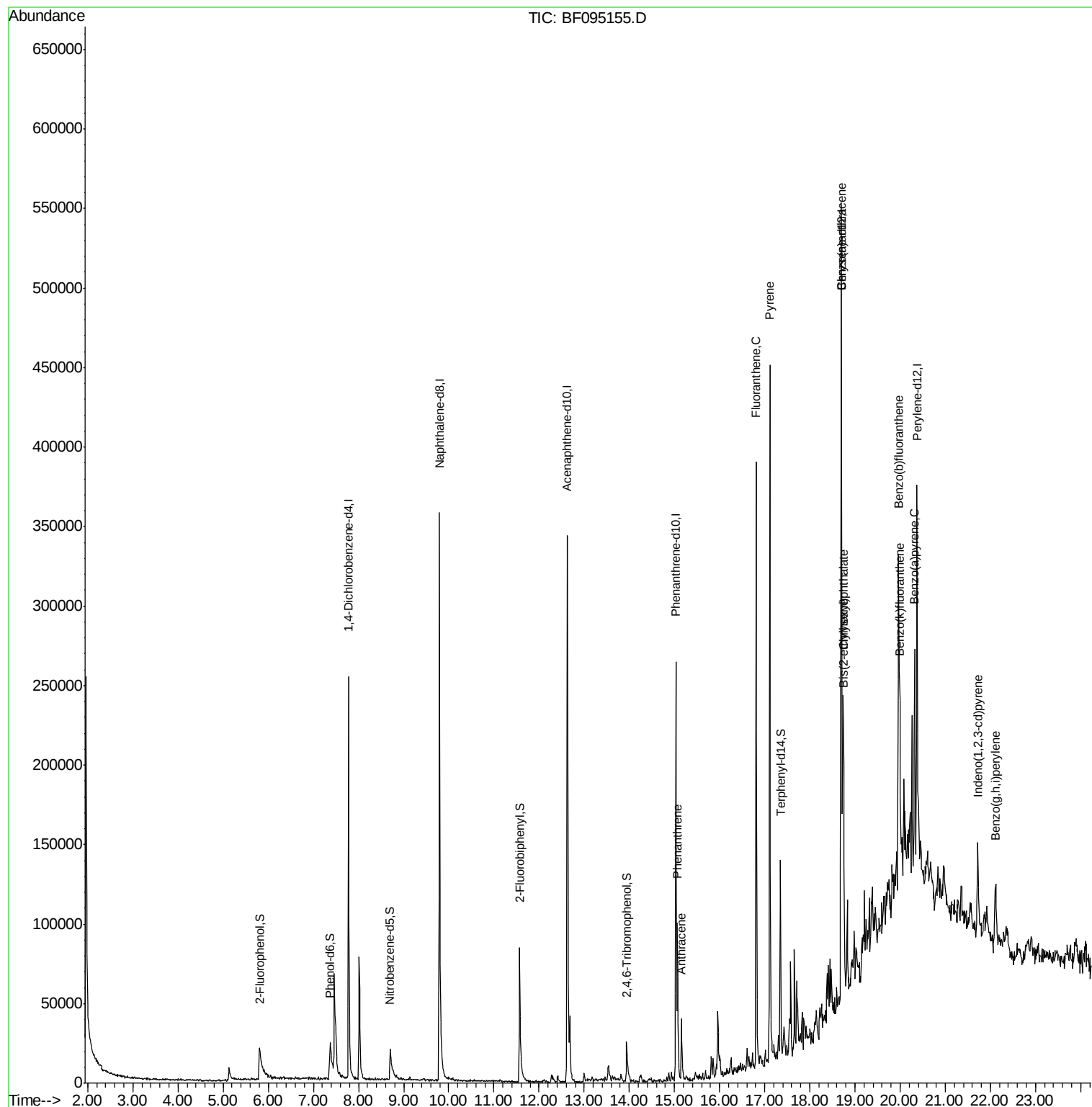
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095155.D
Acq On : 16 May 2017 12:53
Operator : SJ/MA
Sample : I3140-11 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

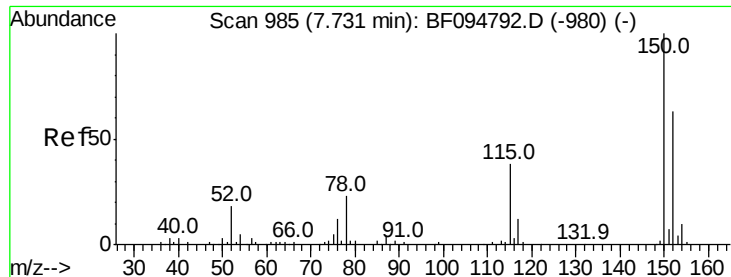
Instrument :
BNA_F
ClientSampled :
TP-4-3

Manual Integrations
APPROVED

mohammad
5/17/2017 2:21:15 PM

Quant Time: May 16 16:22:49 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

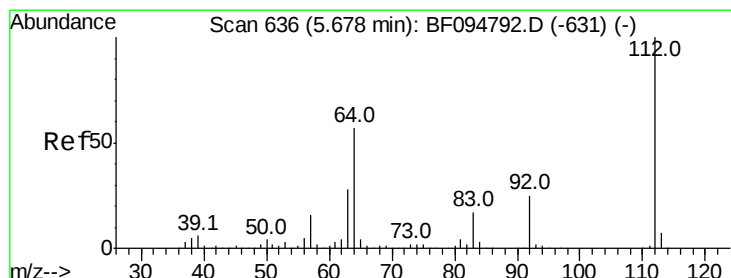
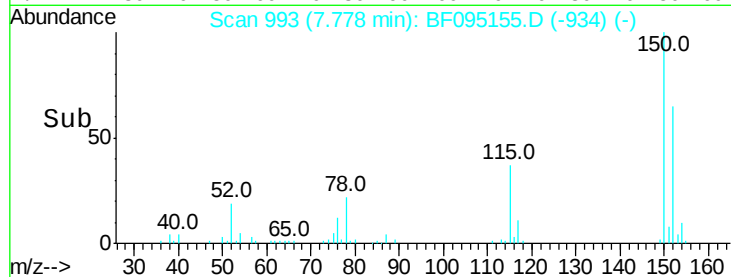
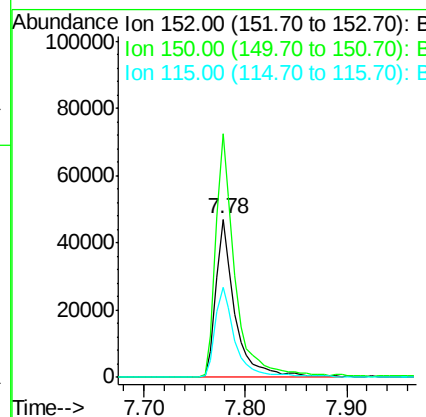
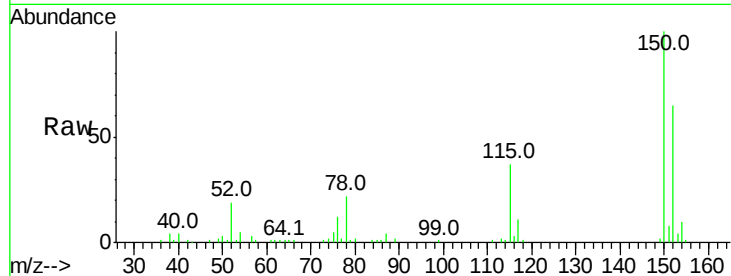
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.78 min Scan# 993
 Delta R.T. 0.05 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampled :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	57.4	52.2	78.2

Manual Integrations
 APPROVED

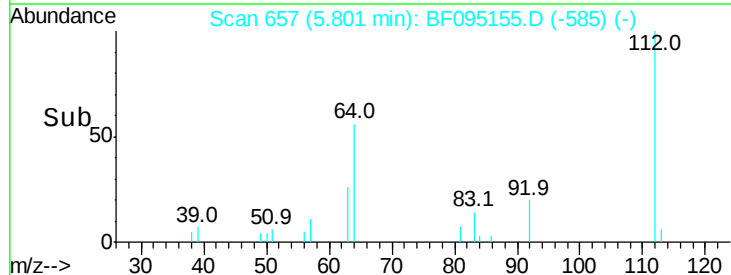
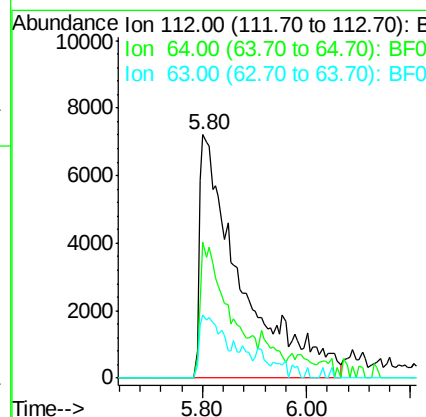
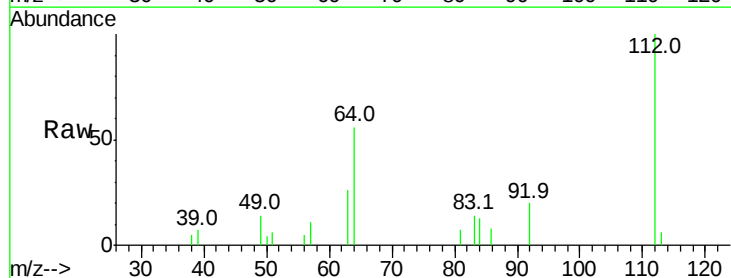
mohammad
 5/17/2017 2:21:15 PM

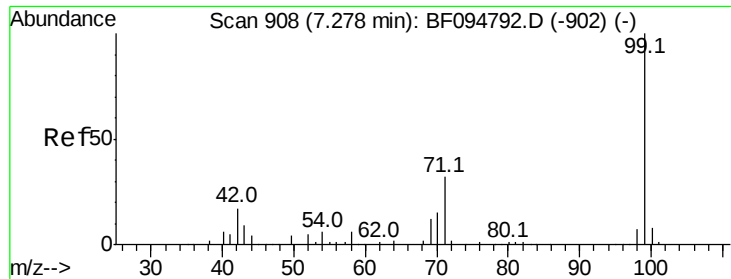


#5

2-Fluorophenol
 Concen: 10.75 ng m
 RT: 5.80 min Scan# 657
 Delta R.T. 0.12 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.0	69.0
63	25.7	23.4	35.0





#7

Phenol-d6

Concen: 10.99 ng/mL

RT: 7.37 min Scan# 923

Delta R.T. 0.09 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Instrument :

BNA_F

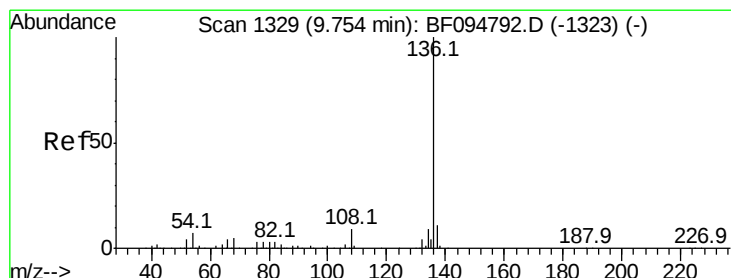
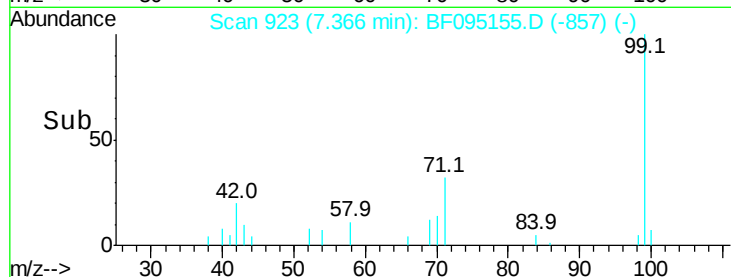
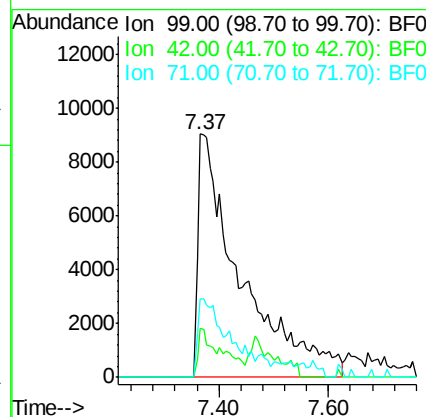
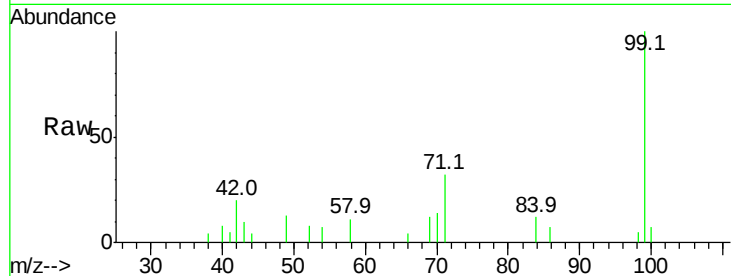
ClientSampleId :

TP-4-3

Tot Ion:	99	Resp:	48999
Ion	Ratio	Lower	Upper
99	100		
42	19.9	13.5	20.3
71	32.3	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/17/2017 2:21:15 PM



#21

Naphthalene-d8

Concen: 20.00 ng/mL

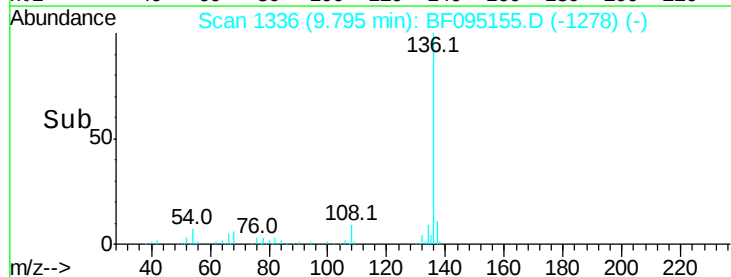
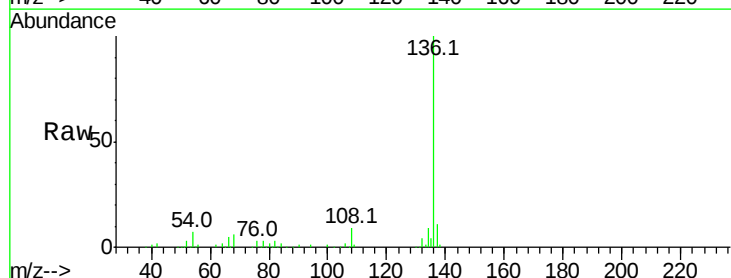
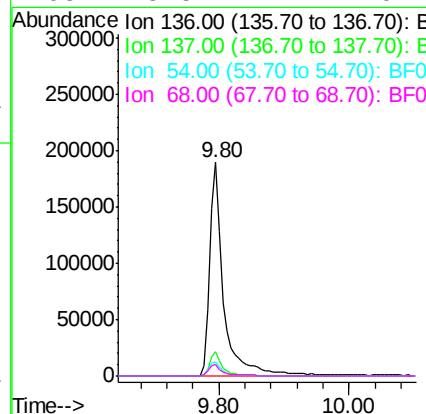
RT: 9.80 min Scan# 1336

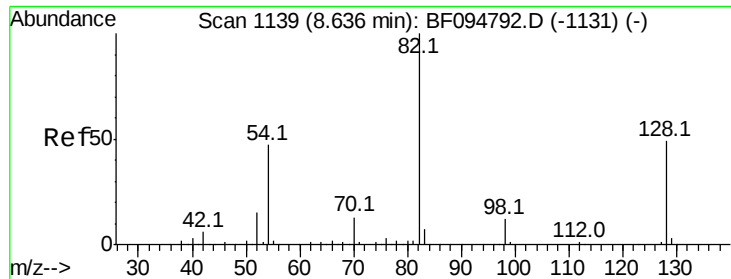
Delta R.T. 0.04 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Tgt Ion:	136	Resp:	283032
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	6.6	4.9	7.3
68	5.5	4.1	6.1





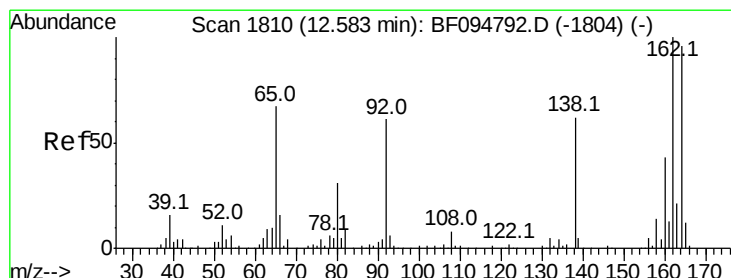
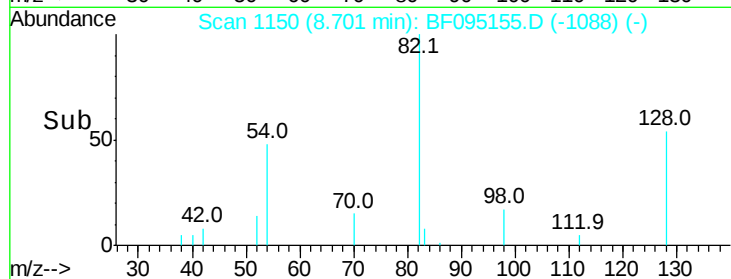
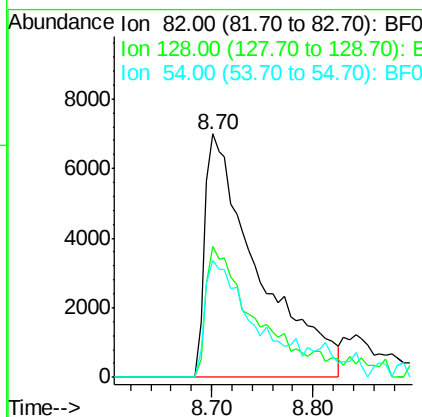
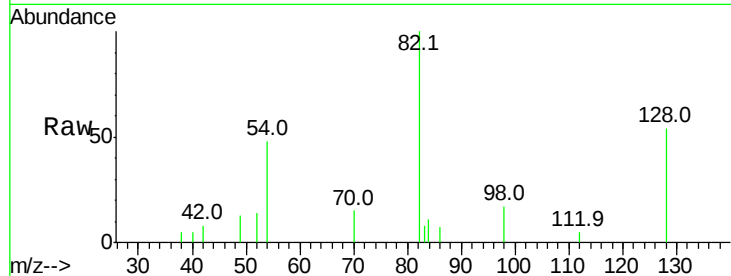
#23
Nitrobenzene-d5
Concen: 5.67 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.06 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Instrument :
BNA_F
ClientSampleId :
TP-4-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	53.8	34.0	51.0#
54	47.9	42.2	63.2

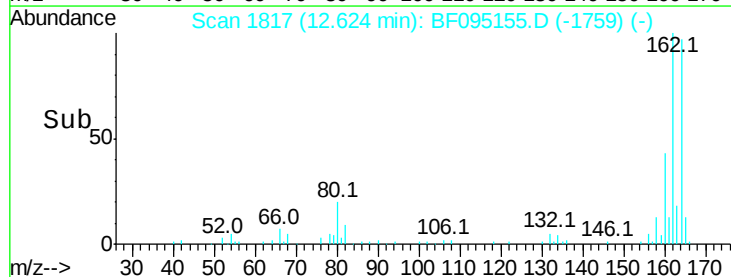
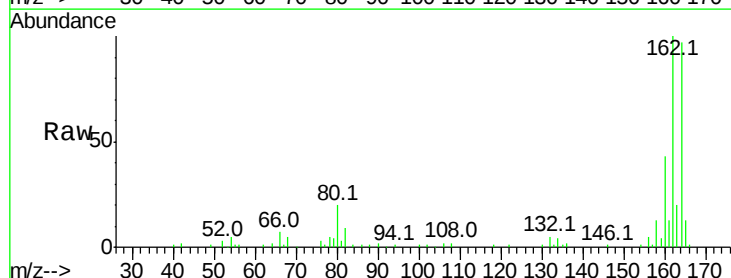
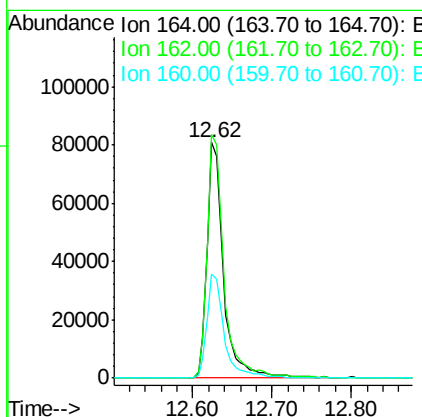
Manual Integrations
APPROVED

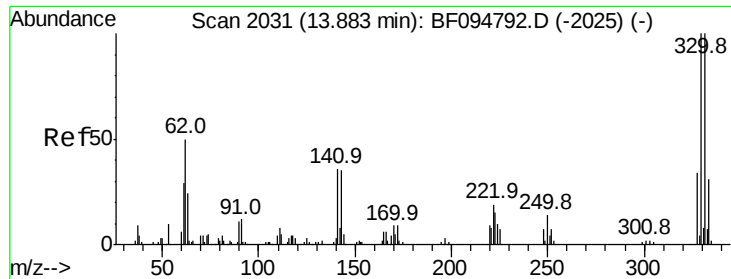
mohammad
5/17/2017 2:21:15 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.04 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	44.2	36.2	54.2





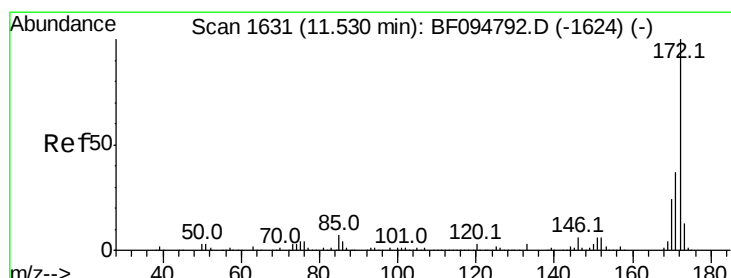
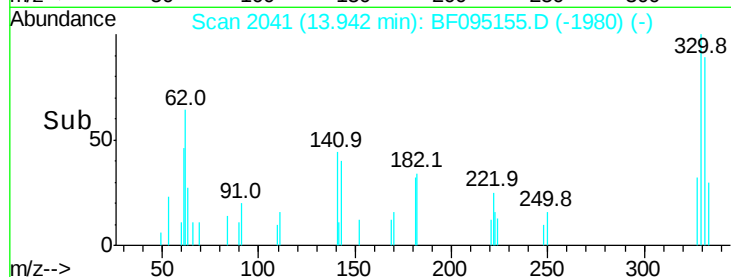
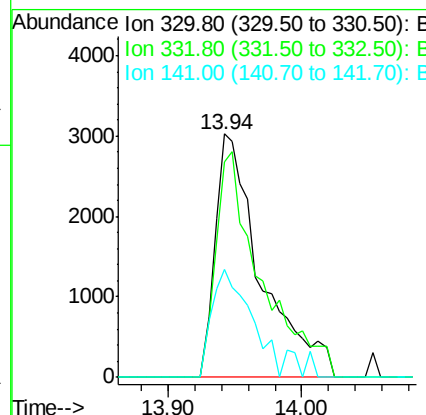
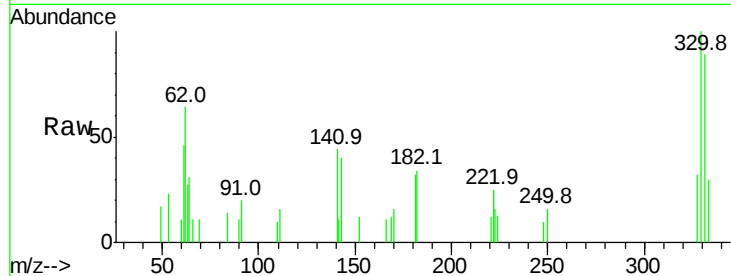
#41
 2,4,6-Tribromophenol
 Concen: 7.48 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.06 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.7	76.6	115.0
141	37.4	31.4	47.2

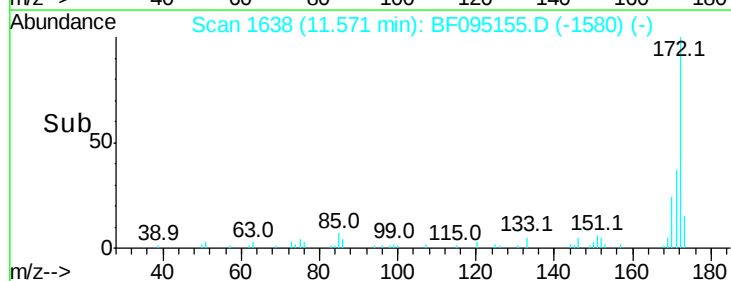
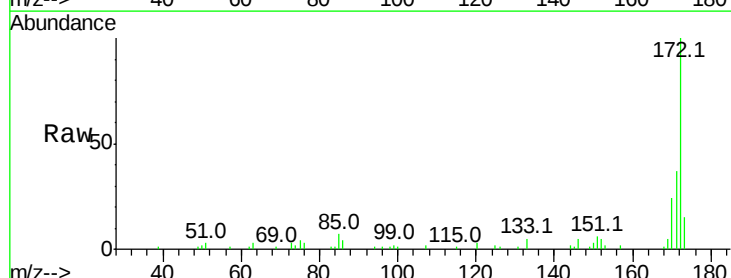
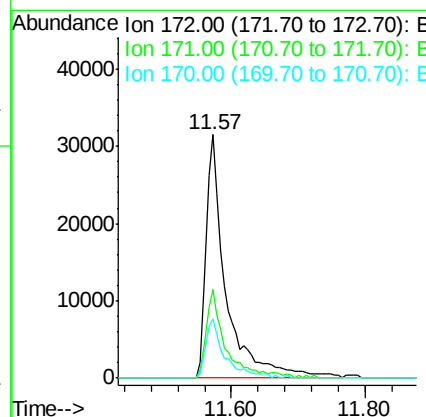
Manual Integrations
 APPROVED

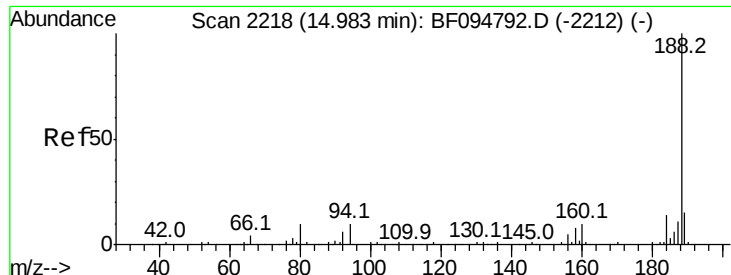
mohammad
 5/17/2017 2:21:15 PM



#44
 2-Fluorobiphenyl
 Concen: 7.86 ng
 RT: 11.57 min Scan# 1638
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.5	19.8	29.8





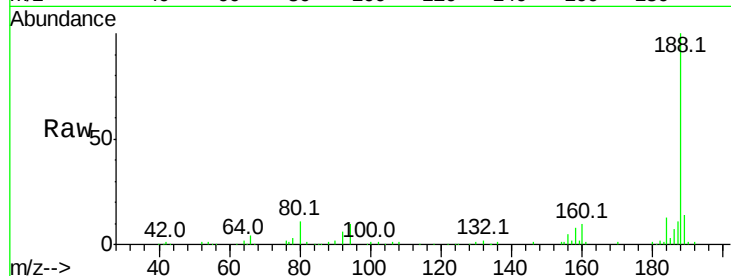
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.03 min Scan# 2226
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Instrument :
BNA_F
ClientSampled :
TP-4-3

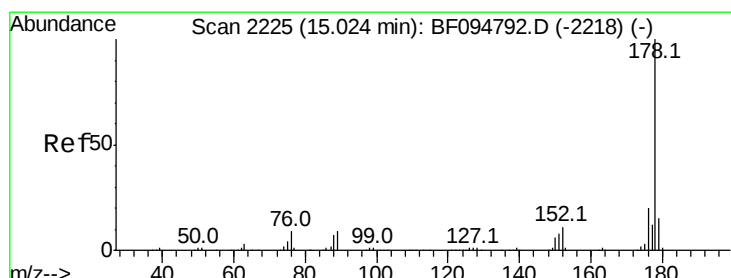
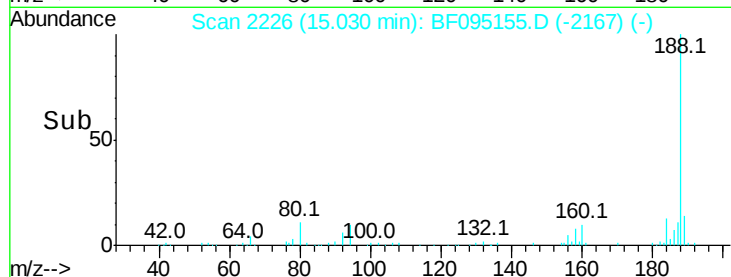
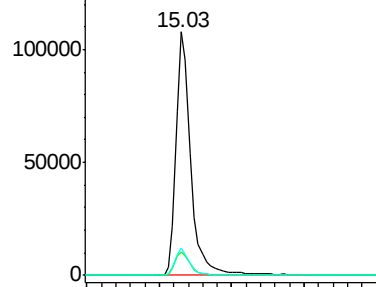
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.5	9.4	14.2
80	11.5	10.2	15.2

Manual Integrations
APPROVED

mohammad
5/17/2017 2:21:15 PM



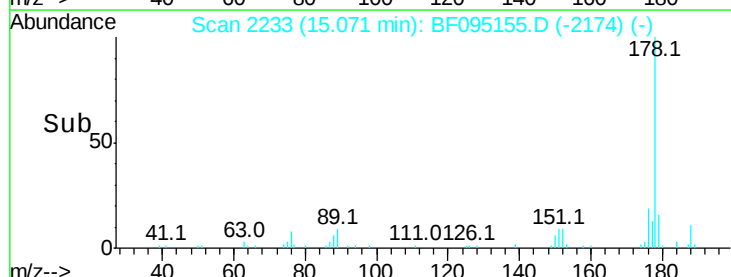
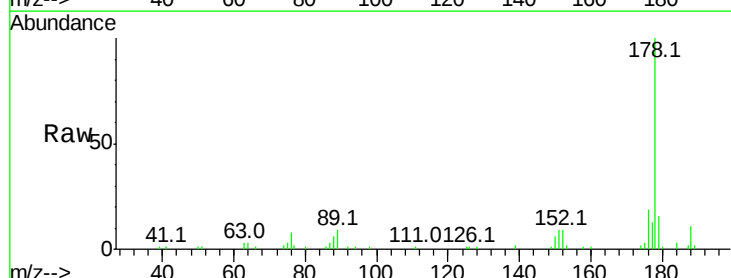
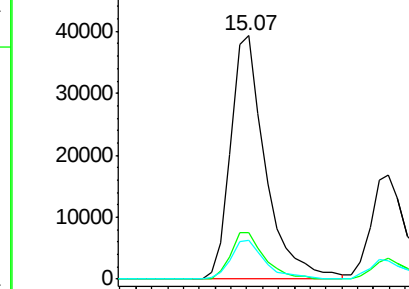
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

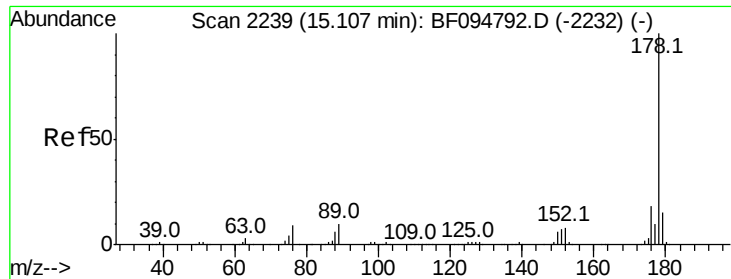


#70
Phenanthrene
Concen: 6.81 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	16.2	24.4
179	16.1	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





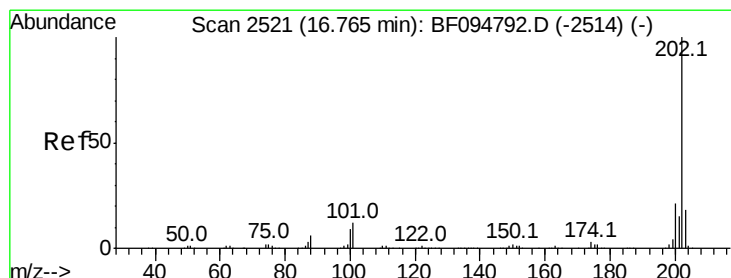
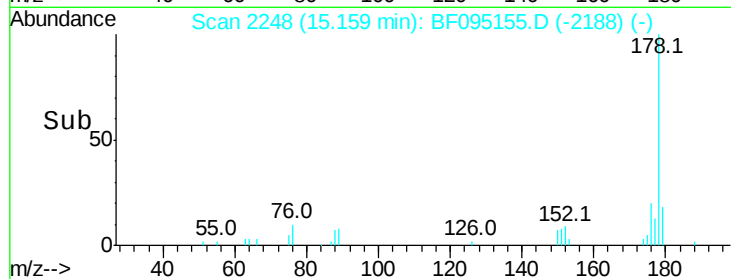
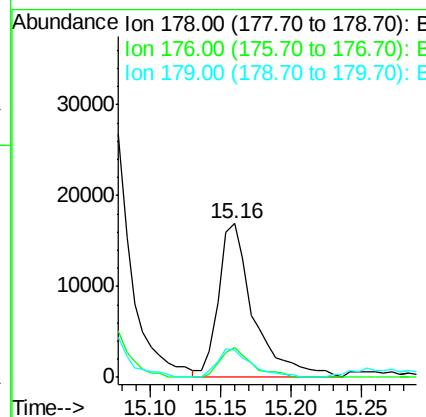
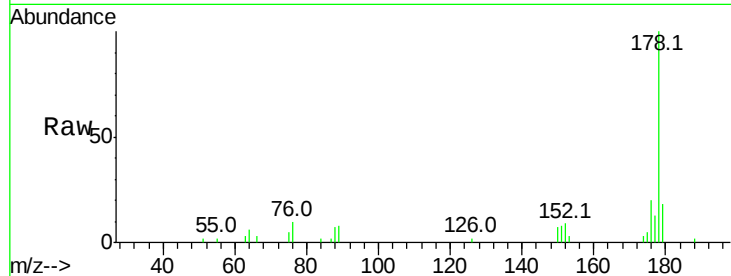
#71
 Anthracene
 Concen: 3.27 ng
 RT: 15.16 min Scan# 2248
 Delta R.T. 0.05 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	17.5	12.7	19.1

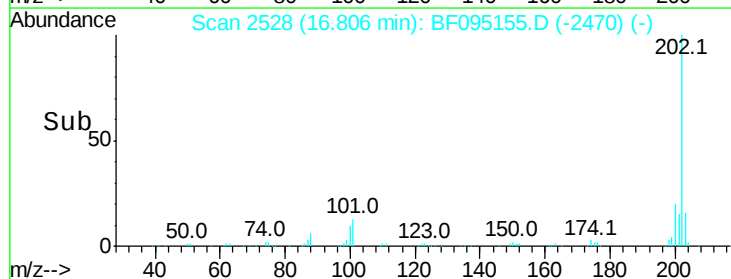
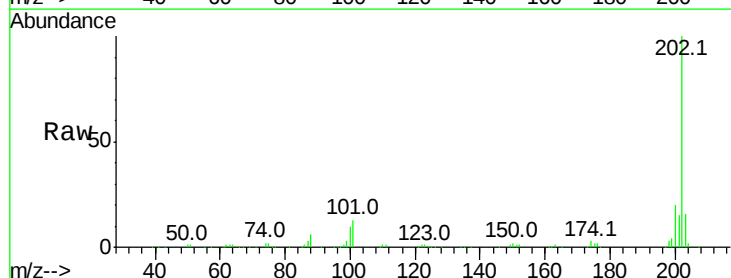
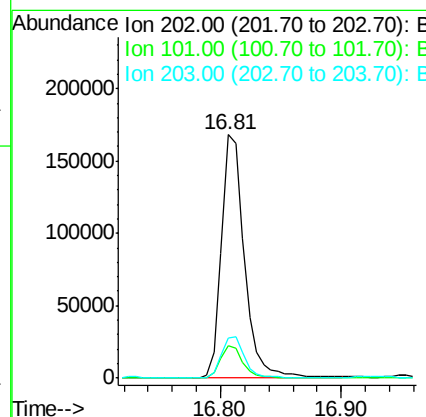
Manual Integrations
 APPROVED

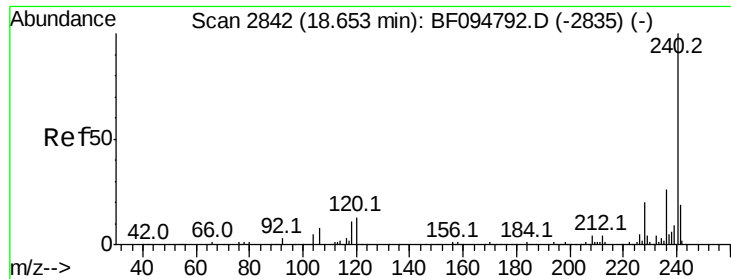
mohammad
 5/17/2017 2:21:15 PM



#74
 Fluoranthene
 Concen: 24.44 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	16.5	0.0	38.1





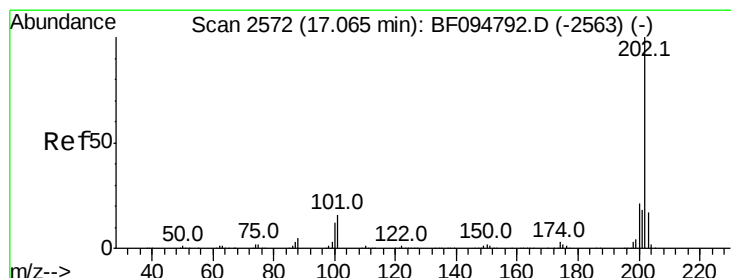
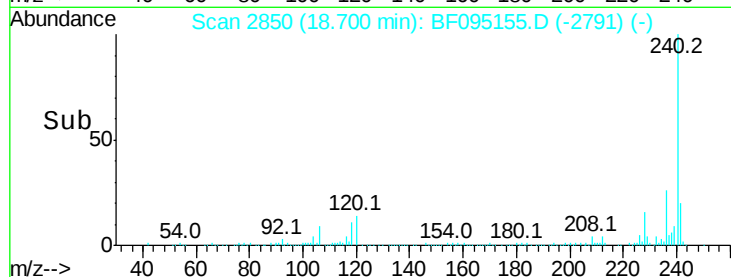
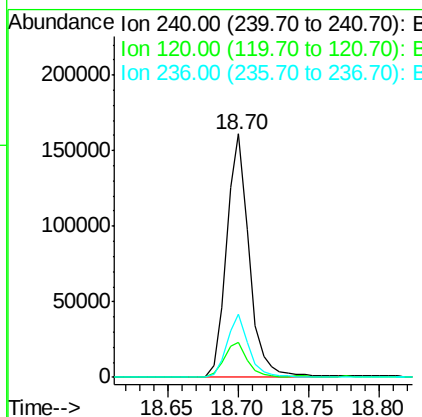
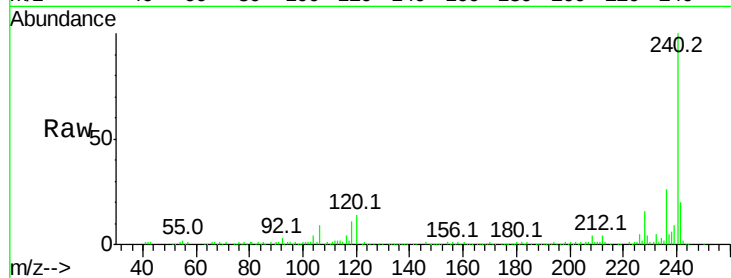
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.70 min Scan# 2850
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Instrument :
BNA_F
ClientSampleId :
TP-4-3

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

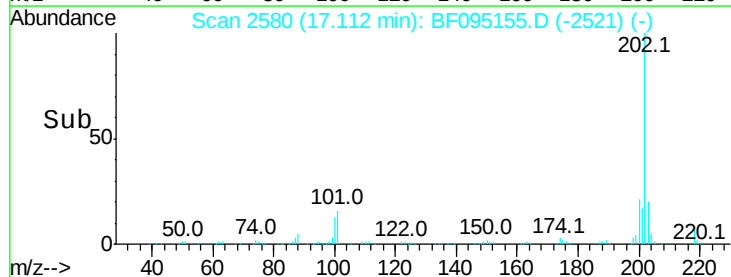
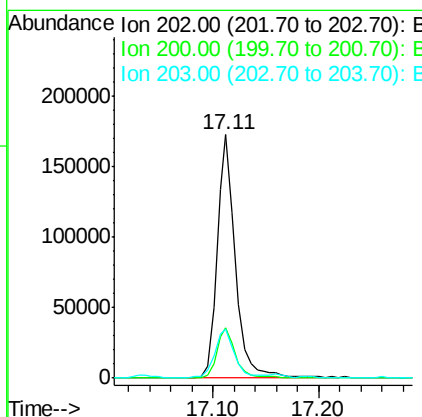
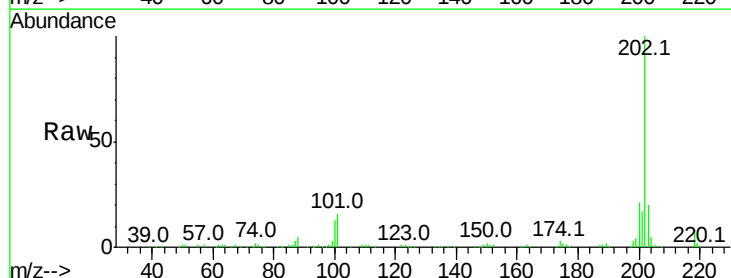
Manual Integrations
APPROVED

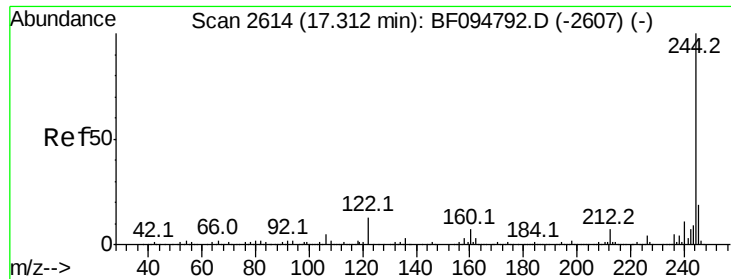
mohammad
5/17/2017 2:21:15 PM



#77
Pyrene
Concen: 15.46 ng
RT: 17.11 min Scan# 2580
Delta R.T. 0.05 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.2	14.4	21.6





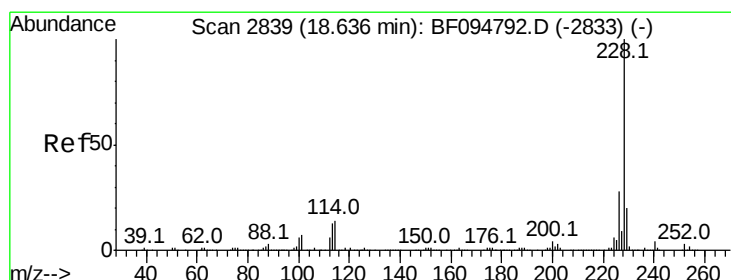
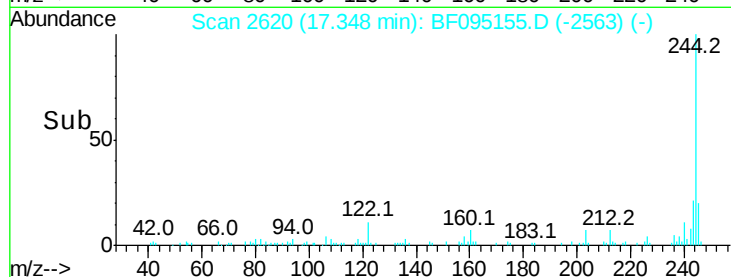
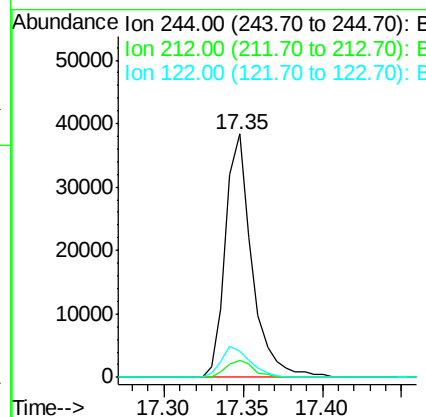
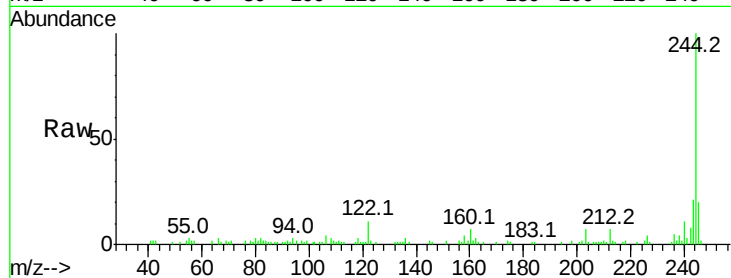
#78
 Terphenyl-d14
 Concen: 5.44 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampled :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.6	10.3	15.5

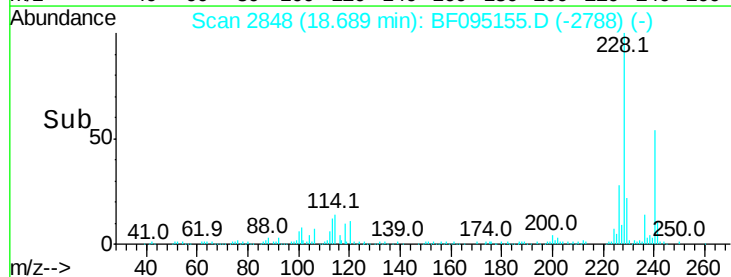
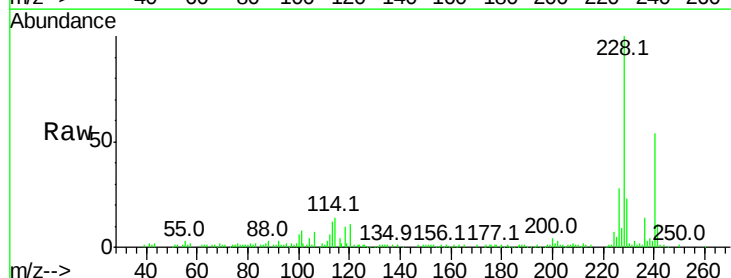
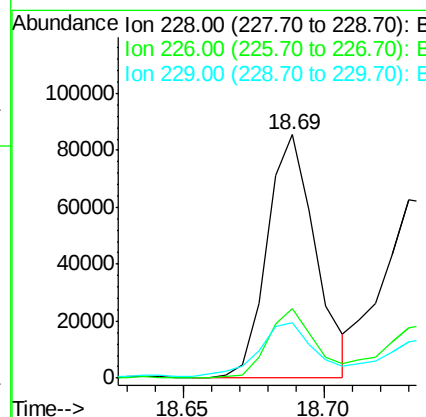
Manual Integrations
 APPROVED

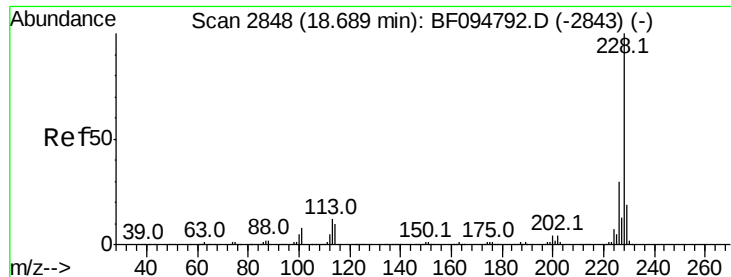
mohammad
 5/17/2017 2:21:15 PM



#80
 Benzo(a)anthracene
 Concen: 9.75 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.05 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.7	16.3	24.5





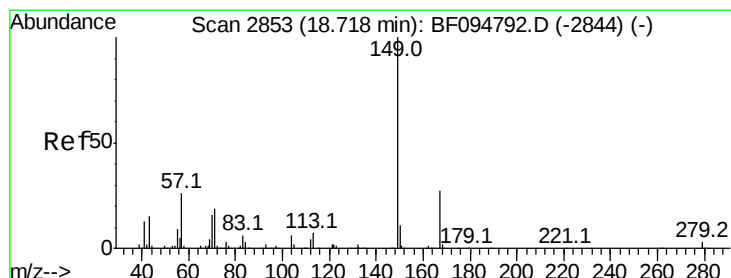
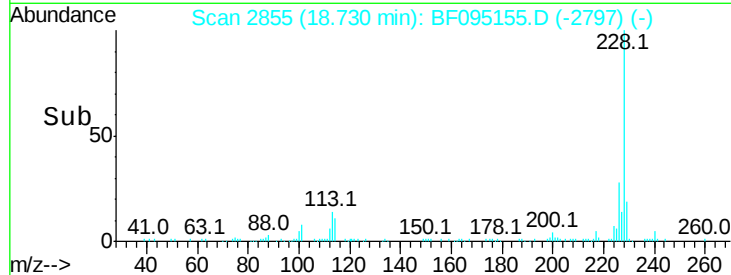
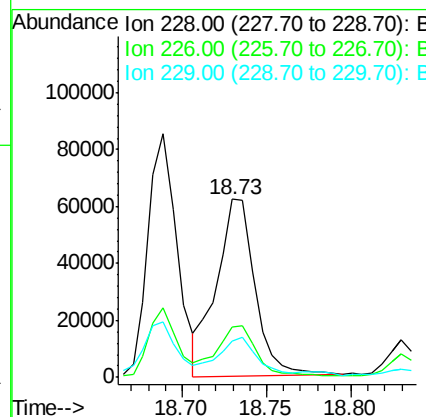
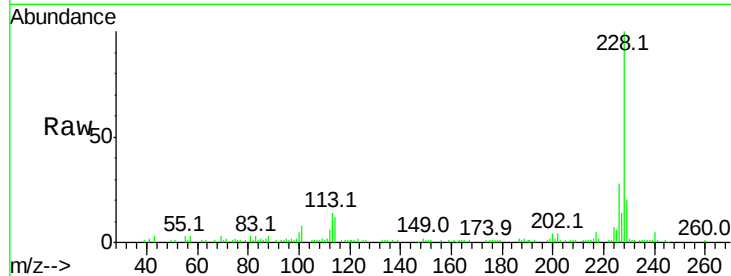
#82
 Chrysene
 Concen: 9.85 ng
 RT: 18.73 min Scan# 2855
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Instrument :
 BNA_F
 ClientSampled :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.9	37.3
229	20.2	15.8	23.6

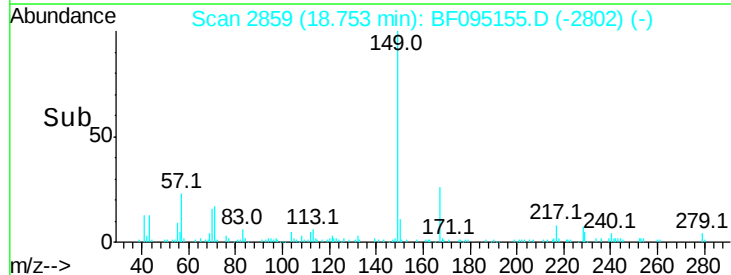
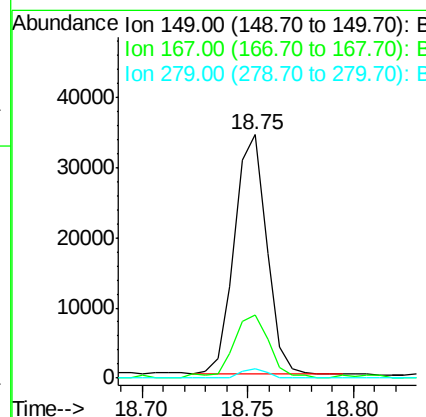
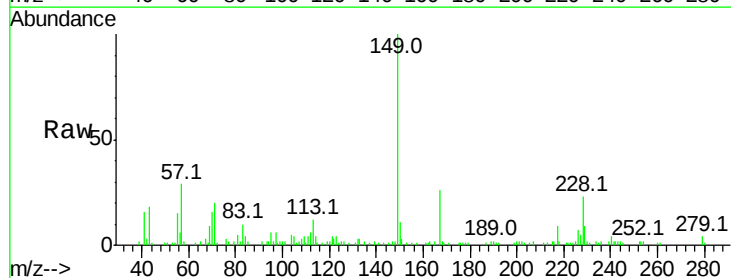
Manual Integrations
 APPROVED

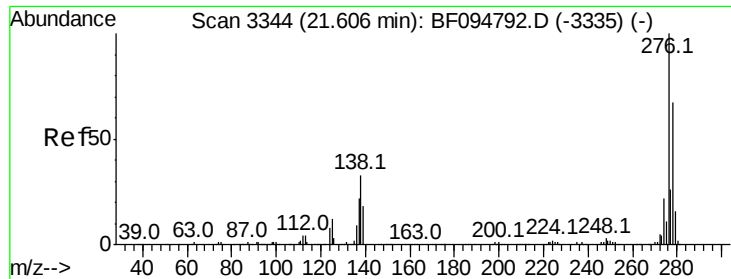
mohammad
 5/17/2017 2:21:15 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.04 ng
 RT: 18.75 min Scan# 2859
 Delta R.T. 0.04 min
 Lab File: BF095155.D
 Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.4
279	4.0	1.9	2.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.87 ng/mL

RT: 21.72 min Scan# 3364

Delta R.T. 0.12 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Instrument :

BNA_F

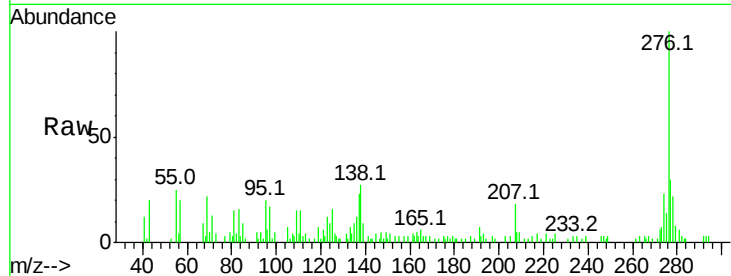
ClientSampleId :

TP-4-3

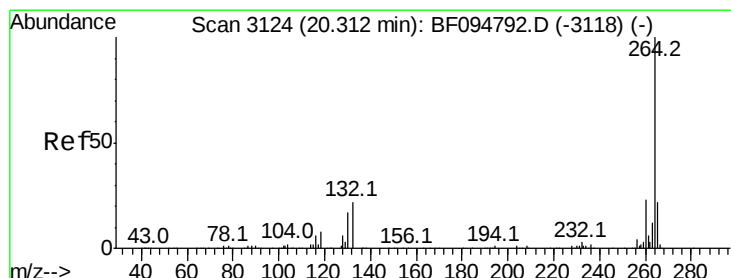
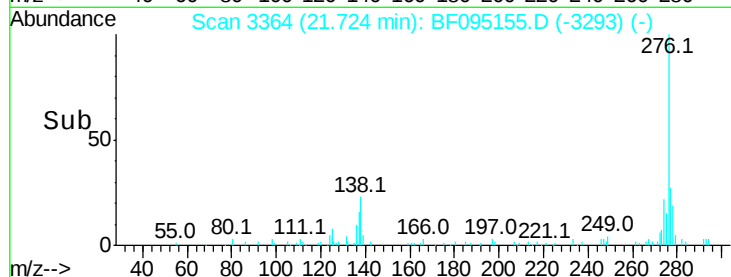
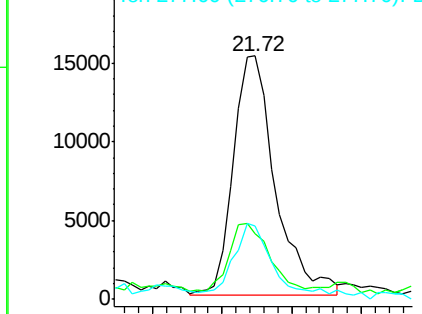
Tot Ion:	276	Resp:	31801
Ion Ratio	Lower	Upper	
276	100		
138	1.0	27.8	41.6#
277	0.0	20.2	30.4#

Manual Integrations
APPROVED

mohammad
5/17/2017 2:21:15 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

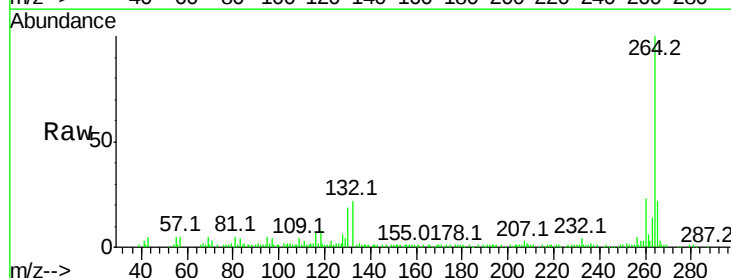
RT: 20.38 min Scan# 3135

Delta R.T. 0.06 min

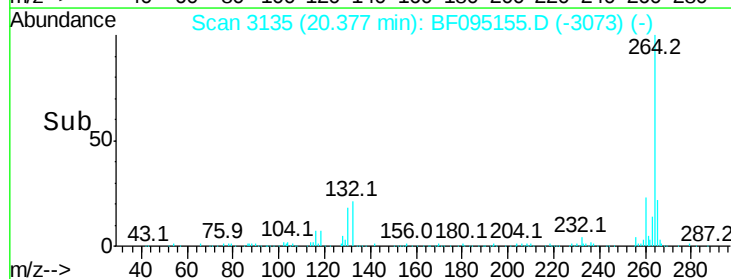
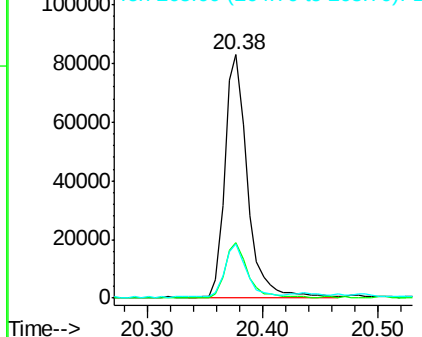
Lab File: BF095155.D

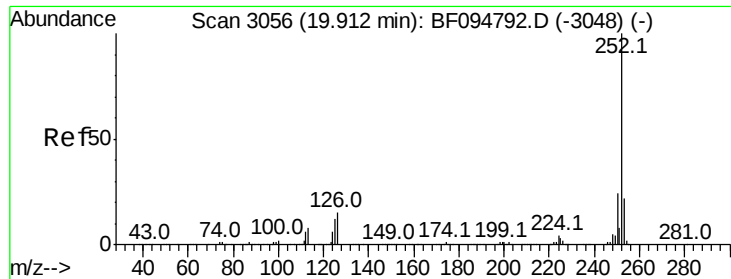
Acq: 16 May 2017 12:53

Tgt Ion:	264	Resp:	113392
Ion Ratio	Lower	Upper	
264	100		
260	22.8	19.5	29.3
265	22.4	17.2	25.8



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: 14.40 ng m

RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095155.D

Acq: 16 May 2017 12:53

Instrument :

BNA_F

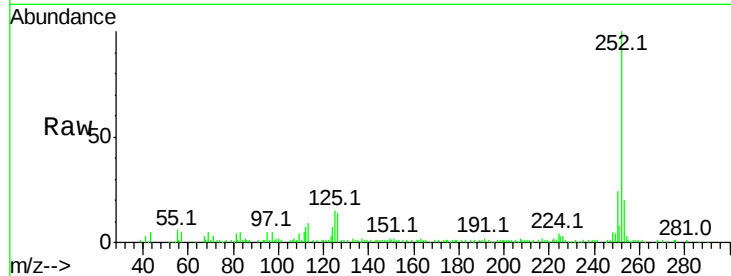
ClientSampled :

TP-4-3

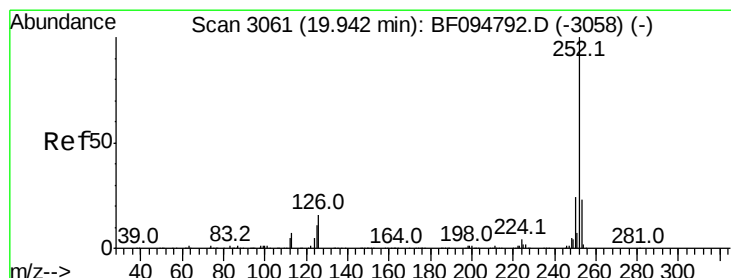
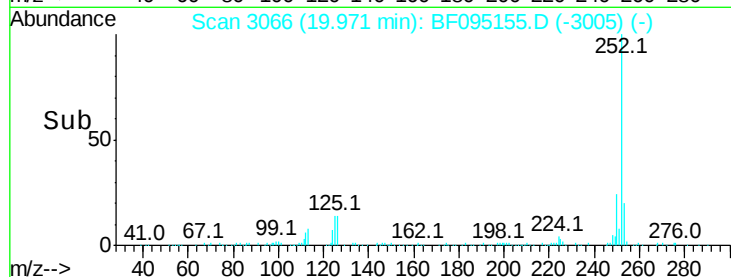
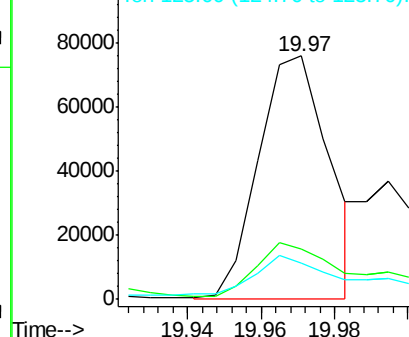
Tot Ion:	252	Resp:	100876
Ion Ratio	Lower	Upper	
252	100		
253	20.5	18.1	27.1
125	14.9	9.8	14.8#

Manual Integrations
APPROVED

mohammad
5/17/2017 2:21:15 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.17 ng m

RT: 19.99 min Scan# 3070

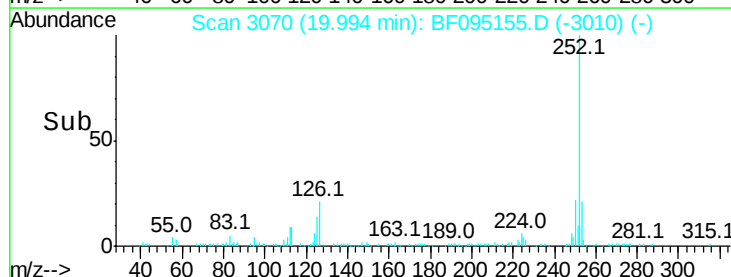
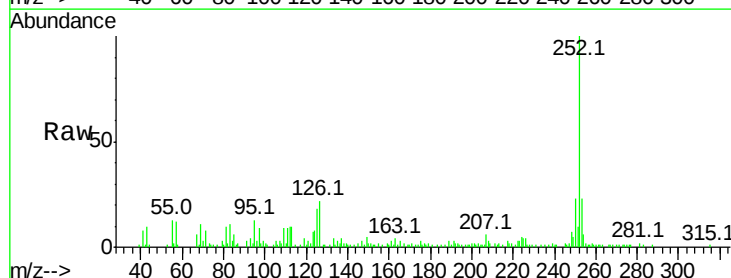
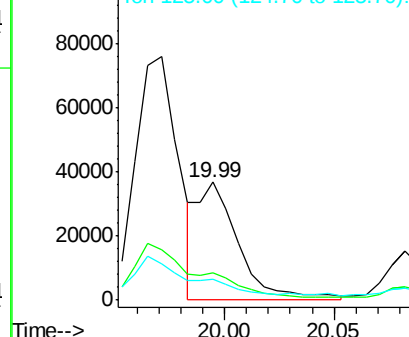
Delta R.T. 0.05 min

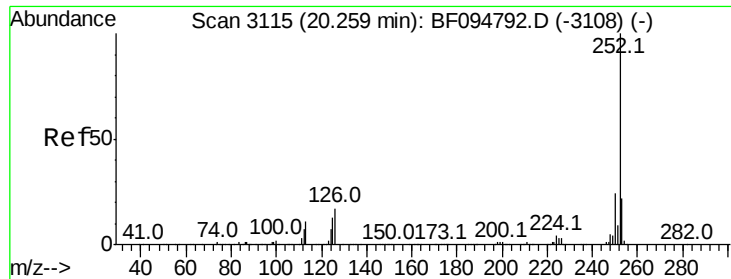
Lab File: BF095155.D

Acq: 16 May 2017 12:53

Tgt Ion:	252	Resp:	48440
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	17.8	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





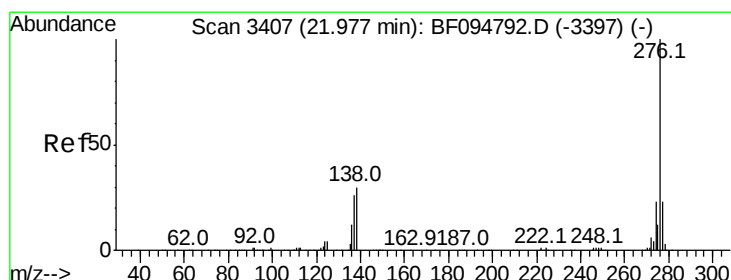
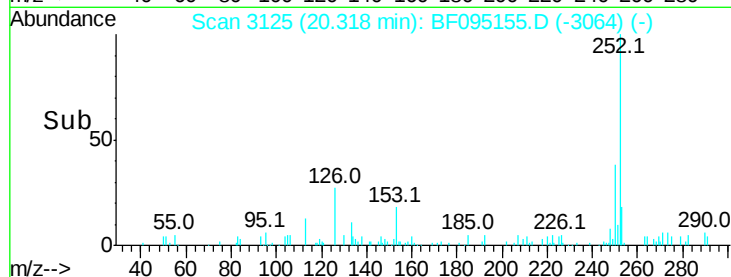
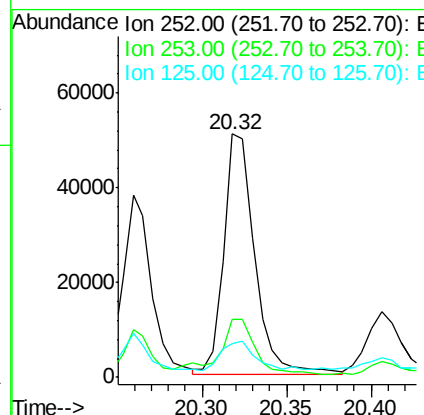
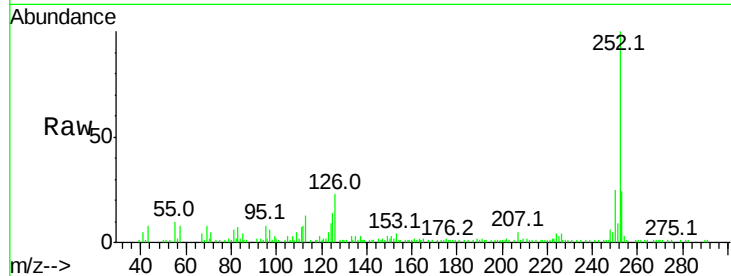
#89
Benzo(a)pyrene
Concen: 10.10 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Instrument :
BNA_F
ClientSampleId :
TP-4-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	14.0	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/17/2017 2:21:15 PM



#91
Benzo(g,h,i)perylene
Concen: 6.39 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.13 min
Lab File: BF095155.D
Acq: 16 May 2017 12:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.6	28.0
138	37.0	25.4	38.0

