

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095512.D
 Acq On : 27 May 2017 23:25
 Operator : SJ/MA
 Sample : I3244-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM6-COMP-0-6

Manual Integrations
 APPROVED

mohammad
 5/31/2017 1:00:20 PM

Quant Time: May 29 02:53:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96637	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	389196	20.00	ng	0.01
38) Acenaphthene-d10	12.60	164	177481	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	279907	20.00	ng	0.00
75) Chrysene-d12	18.68	240	178790	20.00	ng	0.00
86) Perylene-d12	20.35	264	196612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	518898	89.52	ng	0.00
7) Phenol-d6	7.28	99	658958	94.75	ng	-0.01
23) Nitrobenzene-d5	8.65	82	342087	55.43	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	121470	83.57	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	686996	55.71	ng	0.00
78) Terphenyl-d14	17.31	244	355983	43.85	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	94799	6.51	ng	97
70) Phenanthrene	15.05	178	44401	2.76	ng	97
74) Fluoranthene	16.79	202	86356	5.23	ng	99
77) Pyrene	17.09	202	82774	6.19	ng	96
80) Benzo(a)anthracene	18.67	228	35816	3.44	ng	98
82) Chrysene	18.71	228	46234m	4.60	ng	
85) Indeno(1,2,3-cd)pyrene	21.72	276	24660	3.02	ng	# 86
87) Benzo(b)fluoranthene	19.95	252	63090m	5.19	ng	
89) Benzo(a)pyrene	20.30	252	45142	4.03	ng	# 91
91) Benzo(g,h,i)perylene	22.11	276	27331	3.01	ng	# 87

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

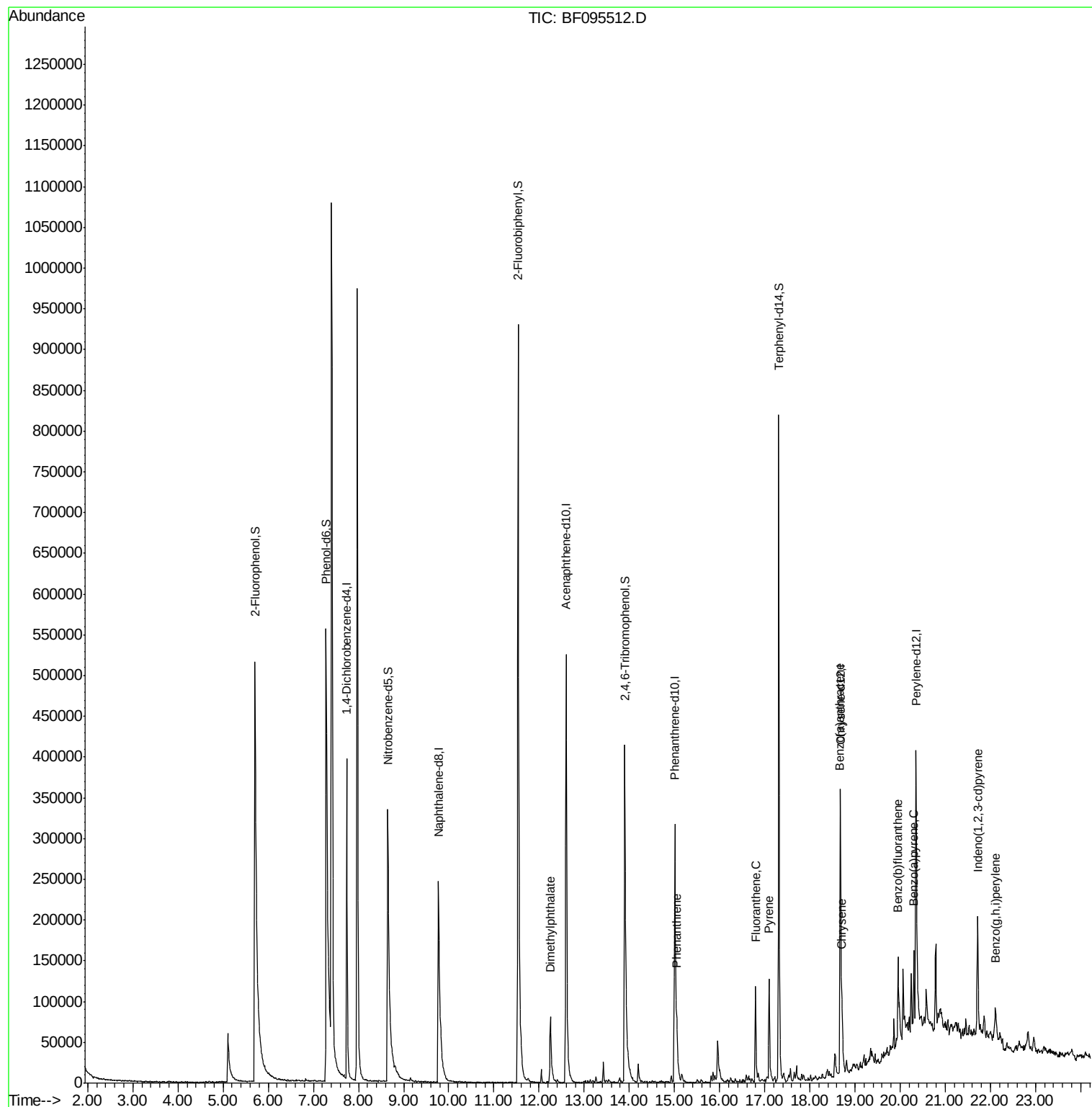
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
Data File : BF095512.D
Acq On : 27 May 2017 23:25
Operator : SJ/MA
Sample : I3244-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

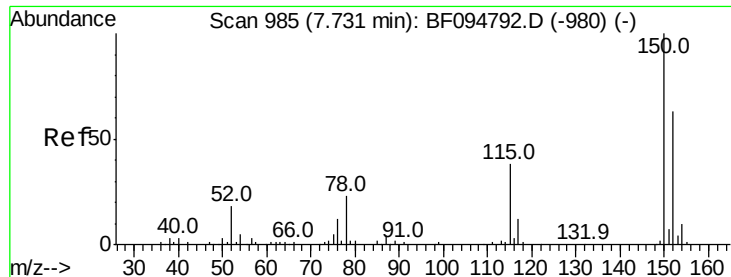
Instrument :
BNA_F
ClientSampleId :
NM6-COMP-0-6

Manual Integrations
APPROVED

mohammad
5/31/2017 1:00:20 PM

Quant Time: May 29 02:53:27 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration





#1

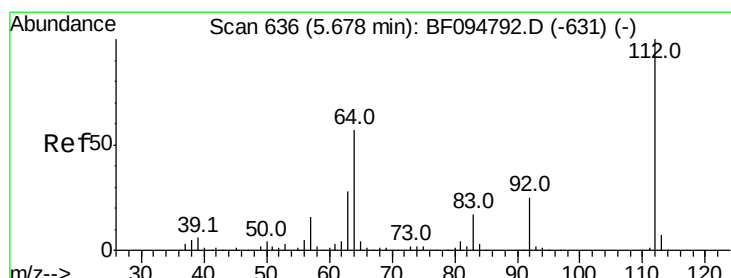
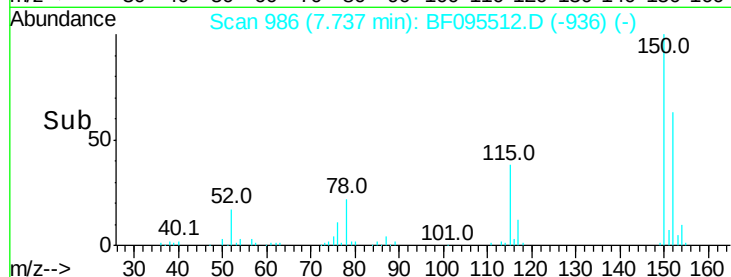
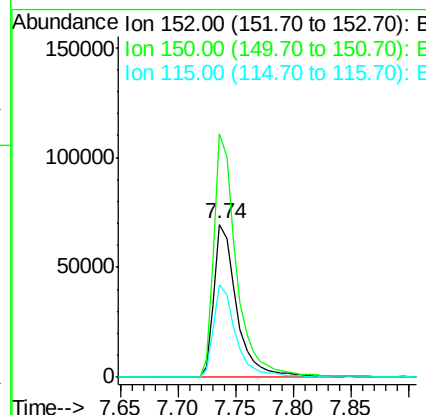
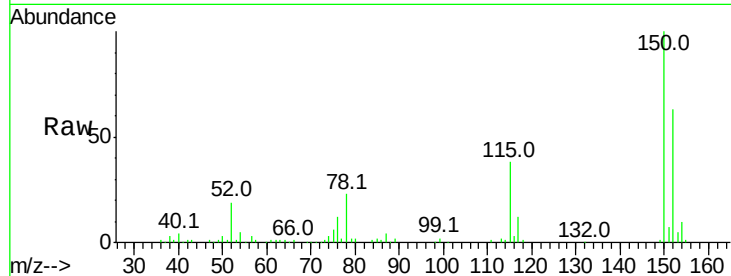
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.2	189.2
115	60.4	52.2	78.2

Manual Integrations
APPROVED

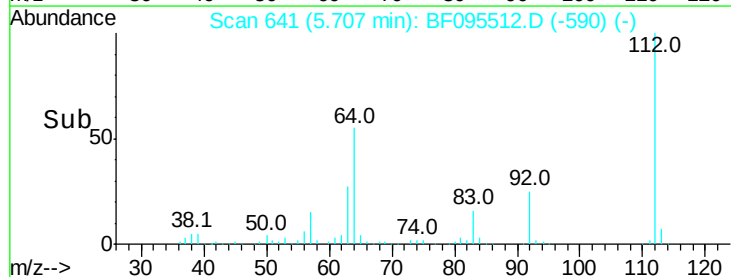
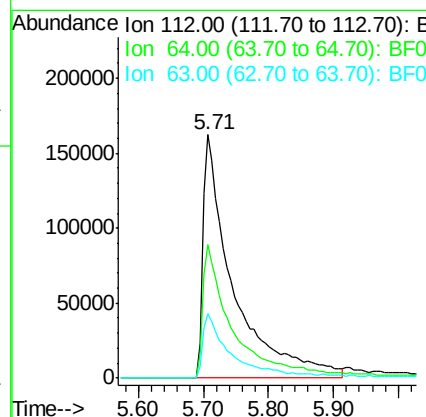
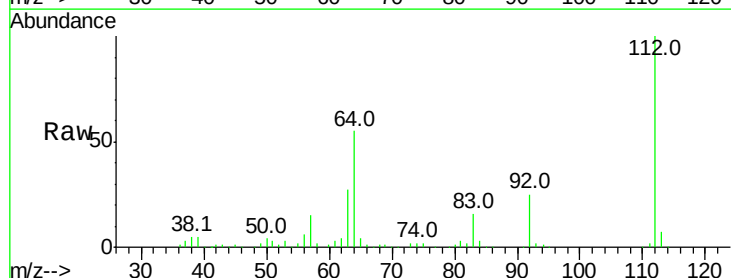
mohammad
5/31/2017 1:00:20 PM

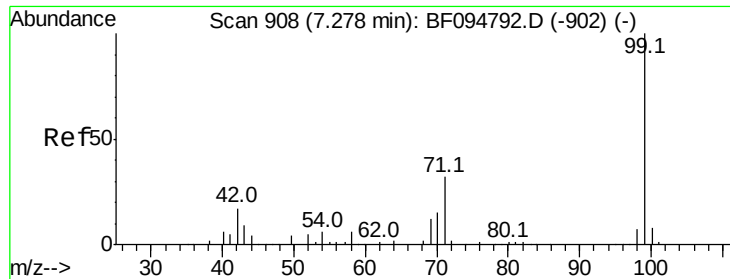


#5

2-Fluorophenol
Concen: 89.52 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	26.5	23.4	35.0





#7

Phenol-d6

Concen: 94.75 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

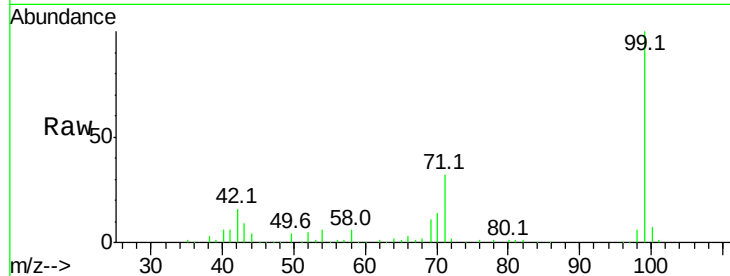
ClientSampleId :

NM6-COMP-0-6

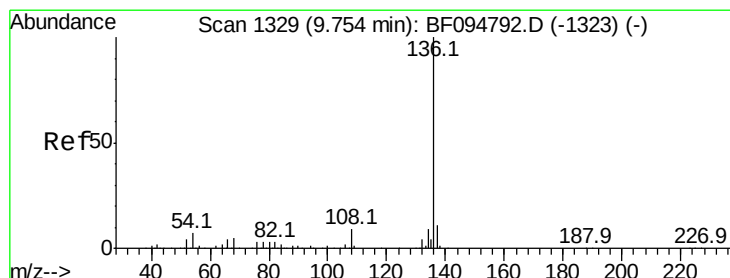
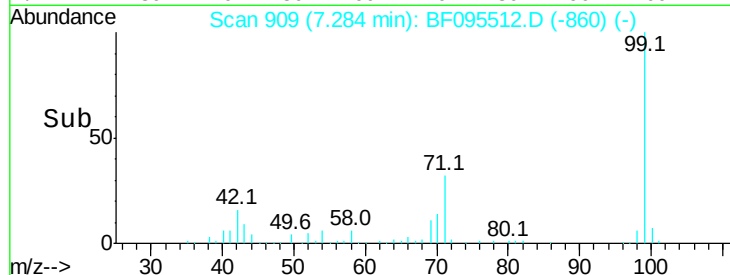
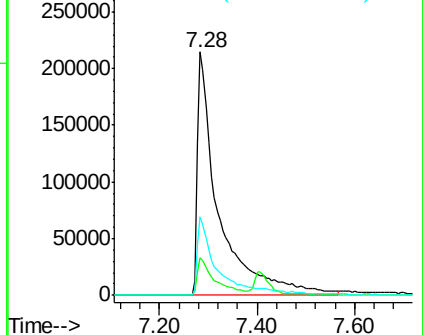
Tot Ion:	99	Resp:	658958
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	32.2	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/31/2017 1:00:20 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

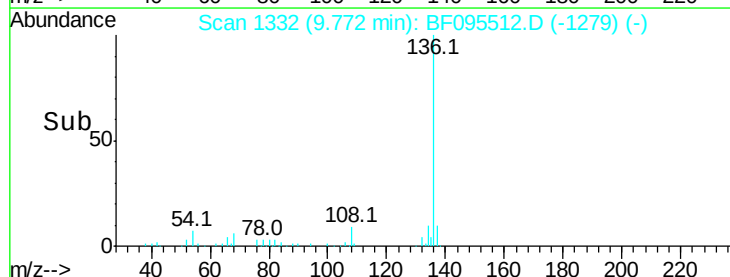
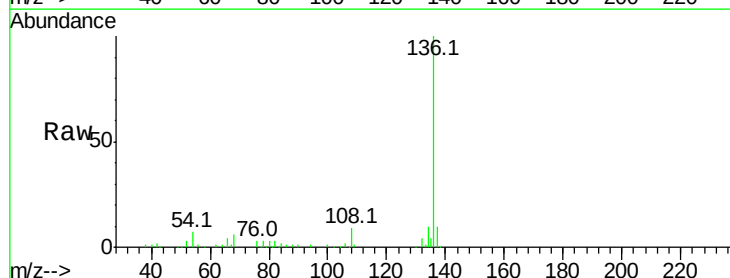
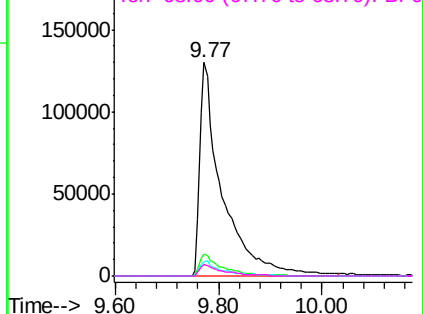
Delta R.T. 0.01 min

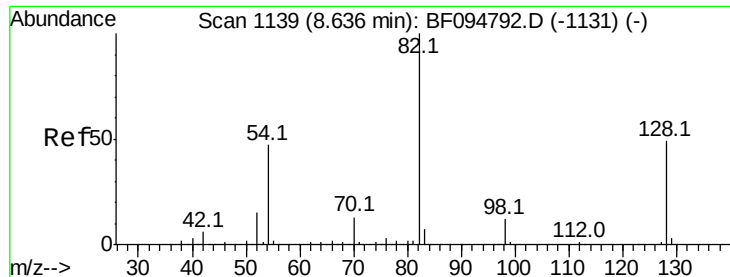
Lab File: BF095512.D

Acq: 27 May 2017 23:25

Tgt Ion:	136	Resp:	389196
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.9	4.9	7.3
68	5.7	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





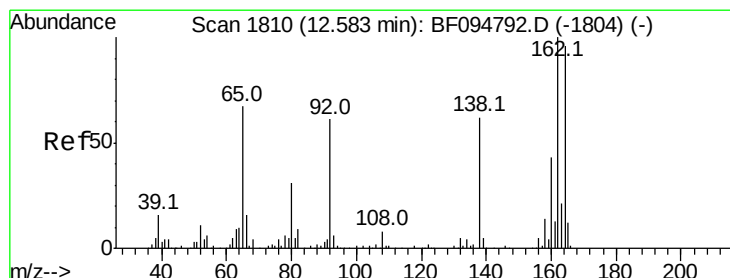
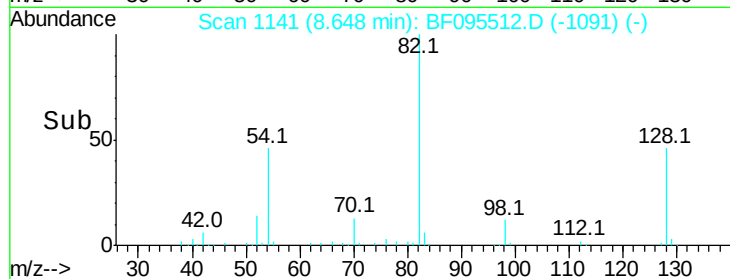
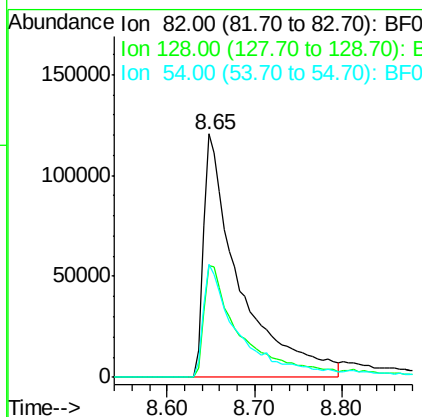
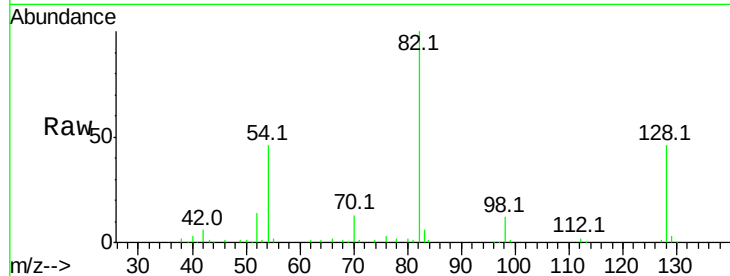
#23
 Nitrobenzene-d5
 Concen: 55.43 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	46.2	42.2	63.2

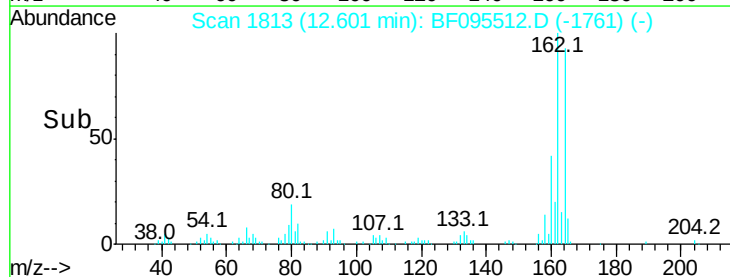
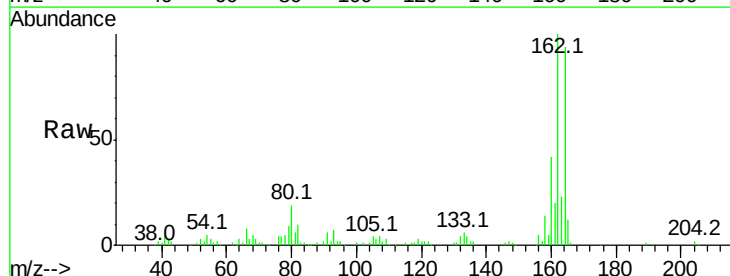
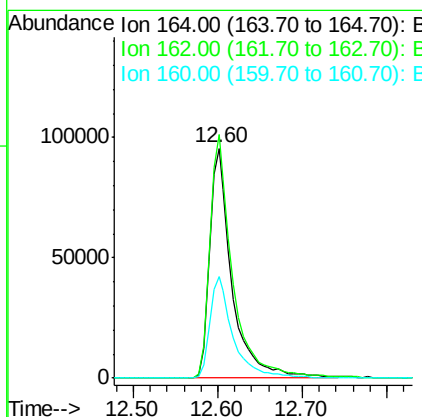
Manual Integrations
 APPROVED

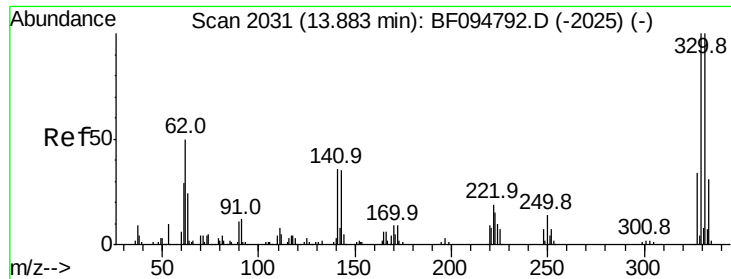
mohammad
 5/31/2017 1:00:20 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.6	123.8
160	44.2	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 83.57 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

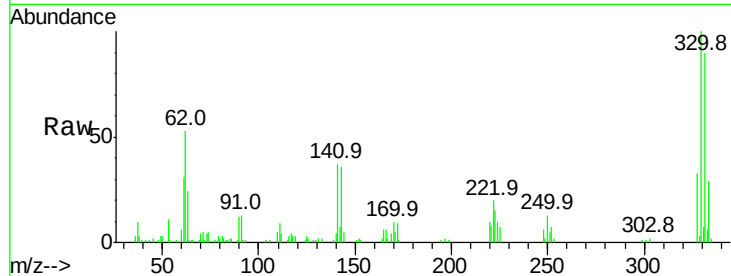
ClientSampled :

NM6-COMP-0-6

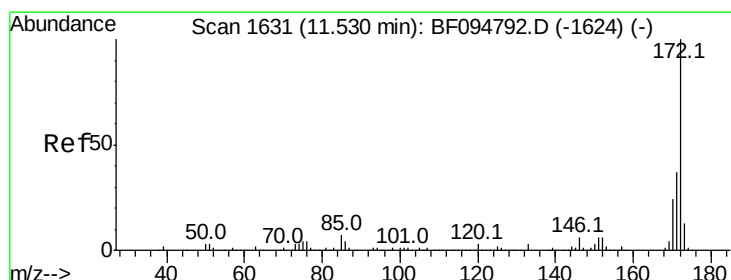
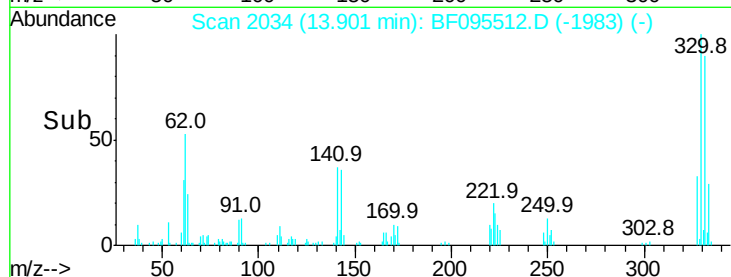
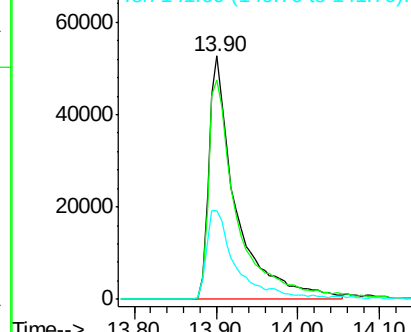
Tot Ion:	330	Resp:	121470
Ion Ratio	Lower	Upper	
330	100		
332	94.1	76.6	115.0
141	39.8	31.4	47.2

Manual Integrations
APPROVED

mohammad
5/31/2017 1:00:20 PM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 55.71 ng

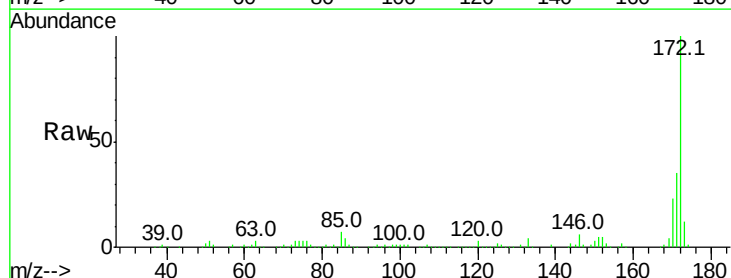
RT: 11.54 min Scan# 1632

Delta R.T. 0.00 min

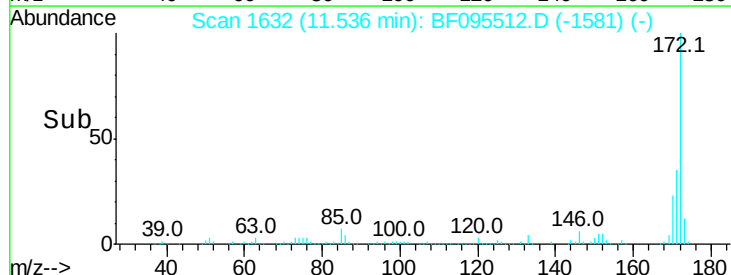
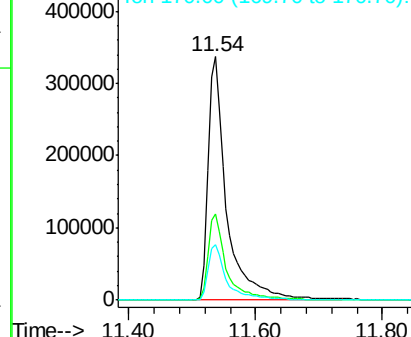
Lab File: BF095512.D

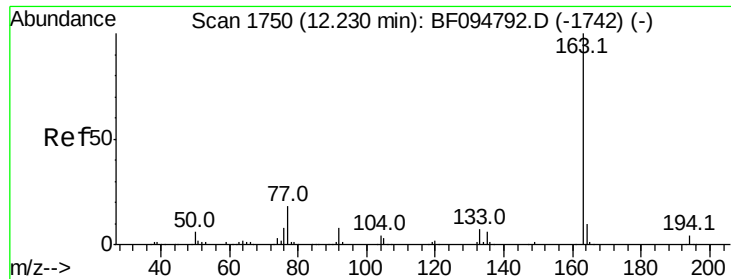
Acq: 27 May 2017 23:25

Tgt Ion:	172	Resp:	686996
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.6	44.4
170	22.8	19.8	29.8



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





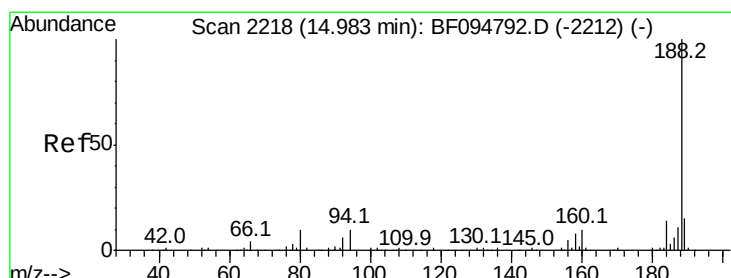
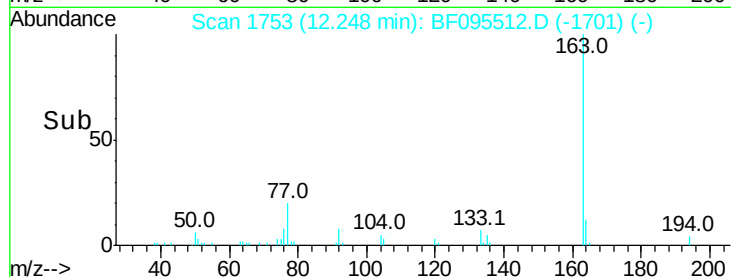
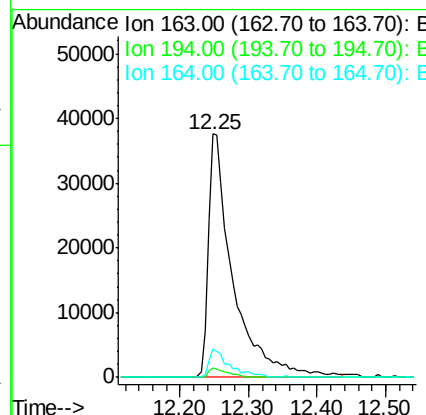
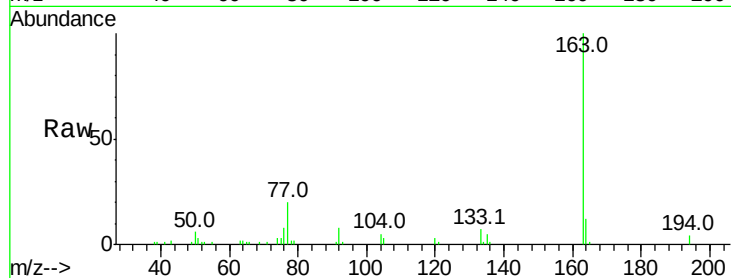
#49
Dimethylphthalate
Concen: 6.51 ng
RT: 12.25 min Scan# 1753
Delta R.T. 0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	11.9	8.4	12.6

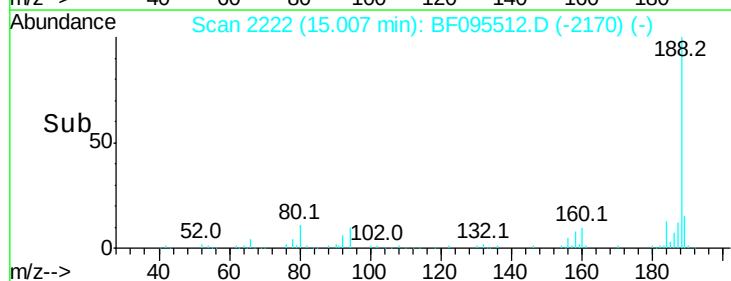
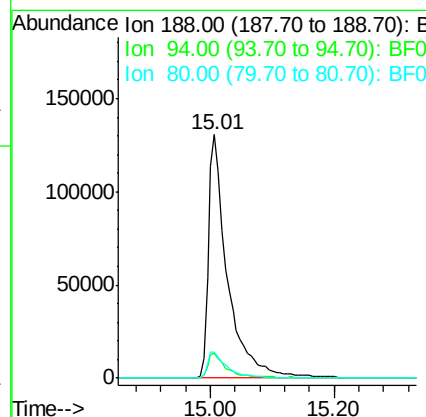
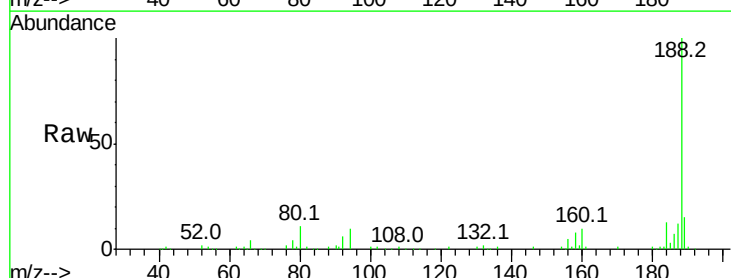
Manual Integrations
APPROVED

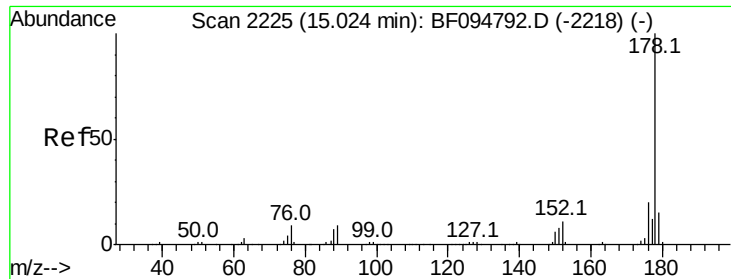
mohammad
5/31/2017 1:00:20 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.8	10.2	15.2





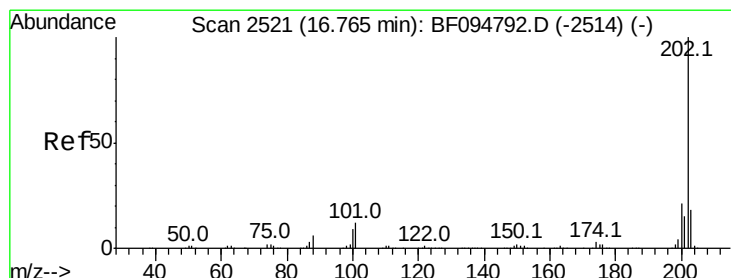
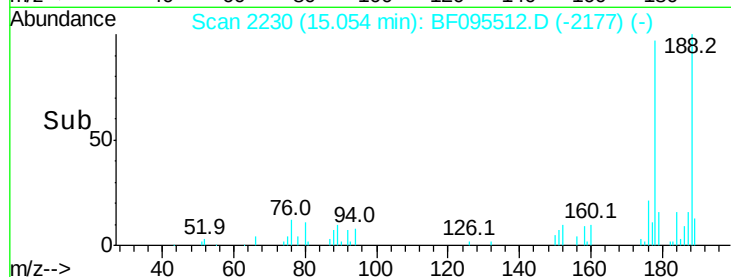
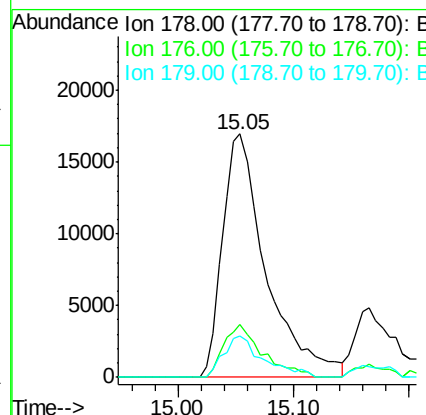
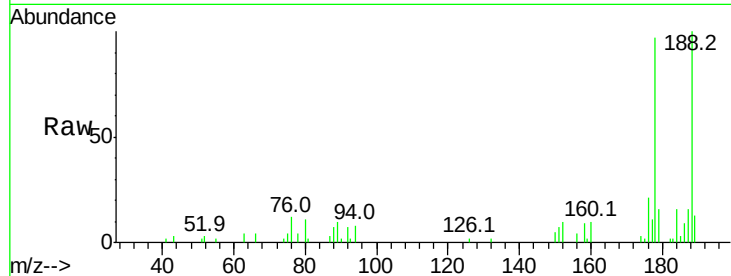
#70
Phenanthrene
Concen: 2.76 ng
RT: 15.05 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.6	16.2	24.4
179	16.8	12.6	19.0

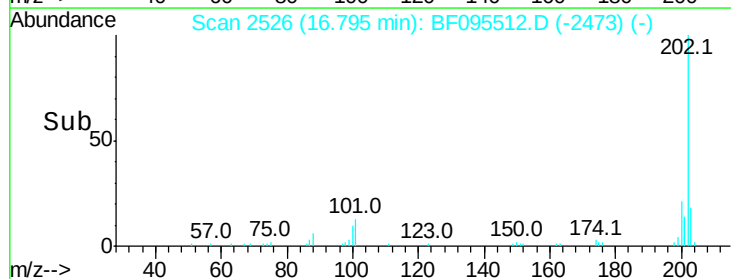
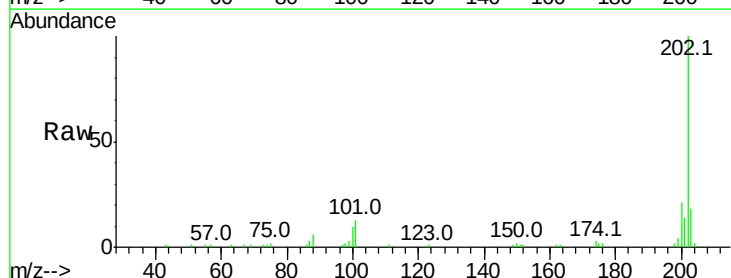
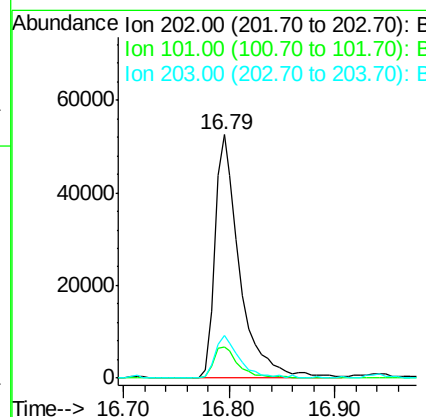
Manual Integrations
APPROVED

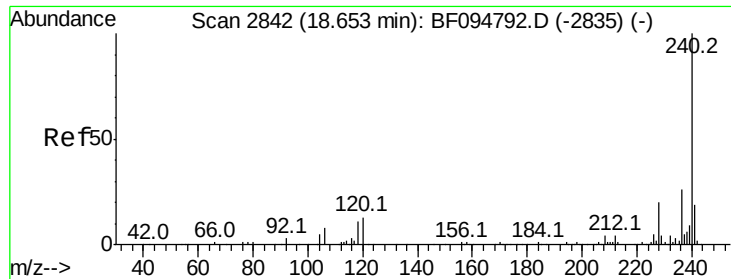
mohammad
5/31/2017 1:00:20 PM



#74
Fluoranthene
Concen: 5.23 ng
RT: 16.79 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.6	0.0	38.1





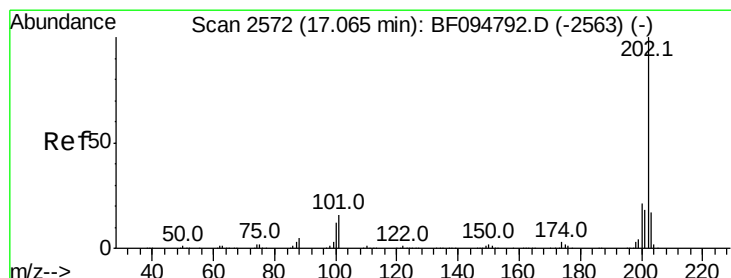
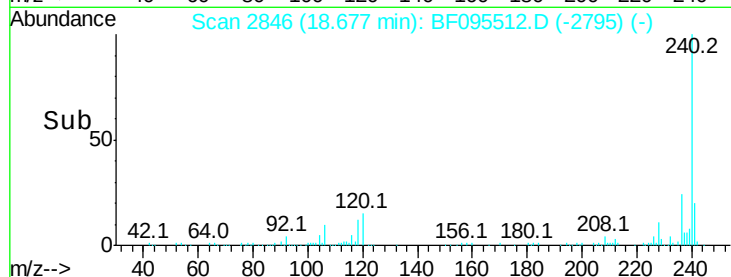
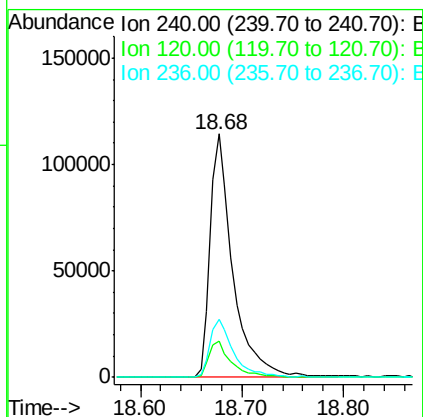
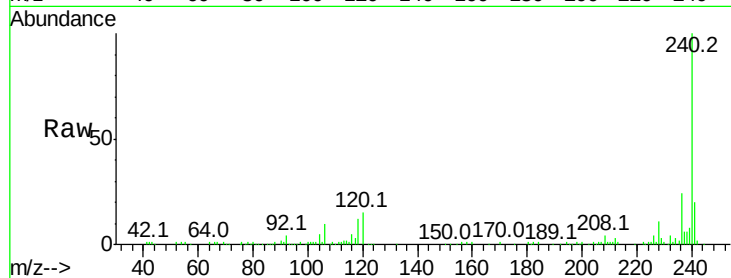
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. 0.00 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	24.1	20.5	30.7

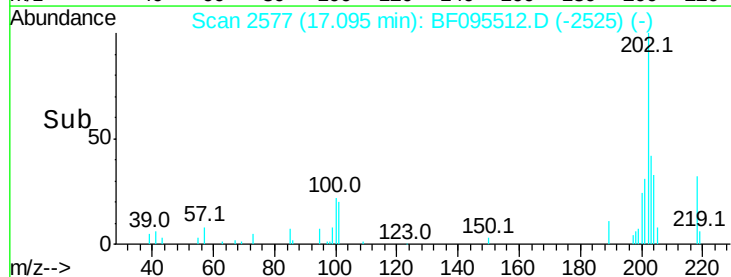
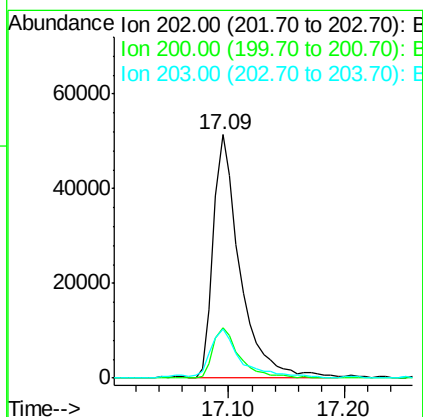
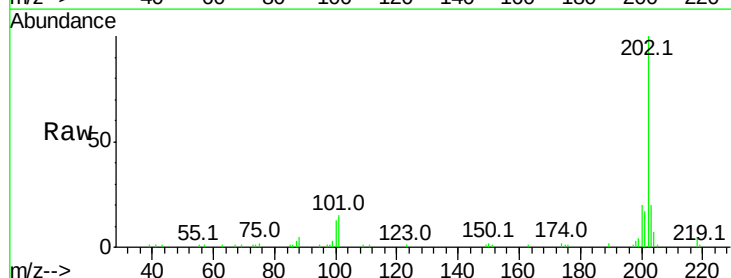
Manual Integrations
 APPROVED

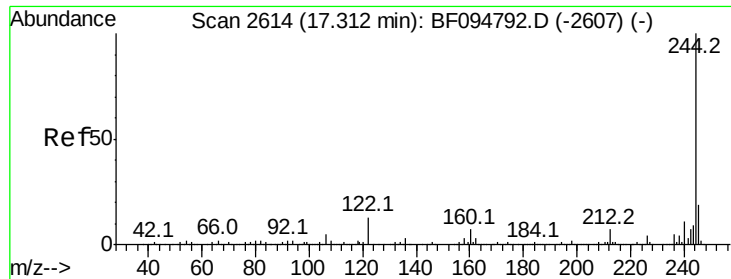
mohammad
 5/31/2017 1:00:20 PM



#77
 Pyrene
 Concen: 6.19 ng
 RT: 17.09 min Scan# 2577
 Delta R.T. 0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	20.3	14.4	21.6





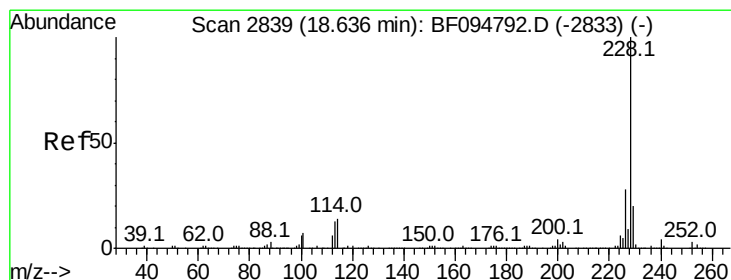
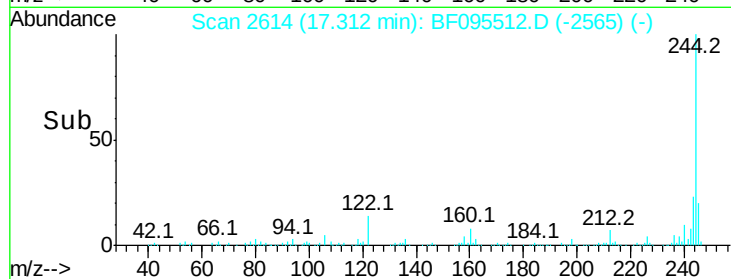
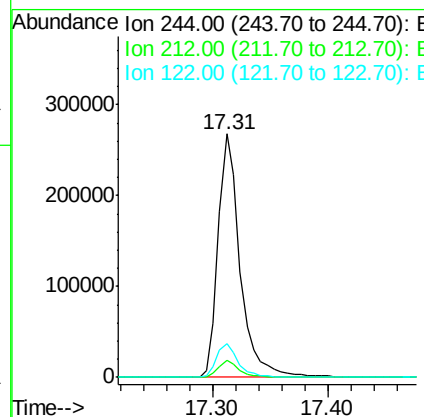
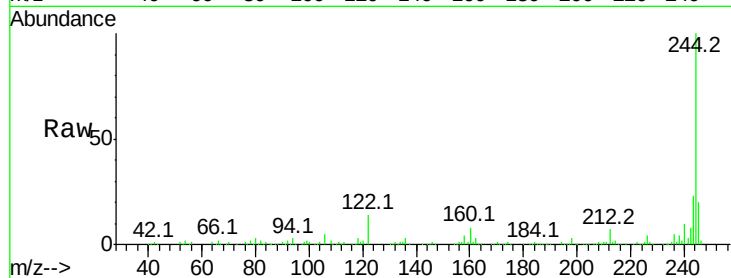
#78
 Terphenyl-d14
 Concen: 43.85 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5

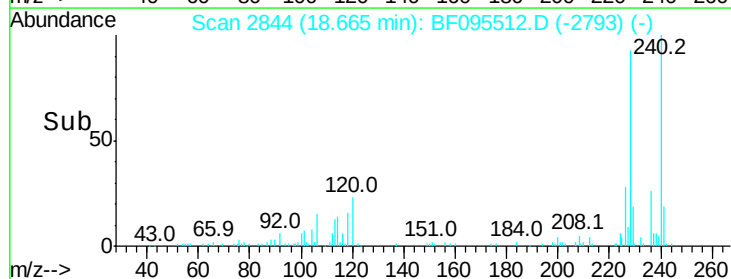
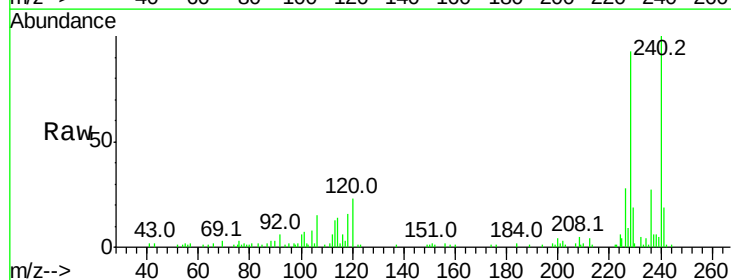
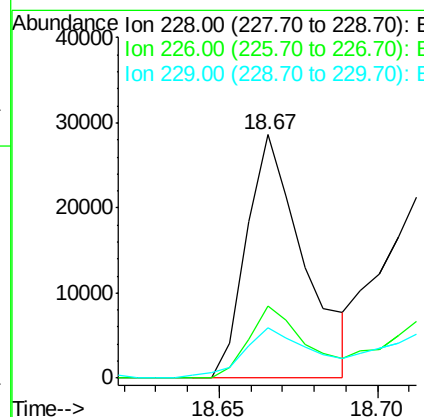
Manual Integrations
 APPROVED

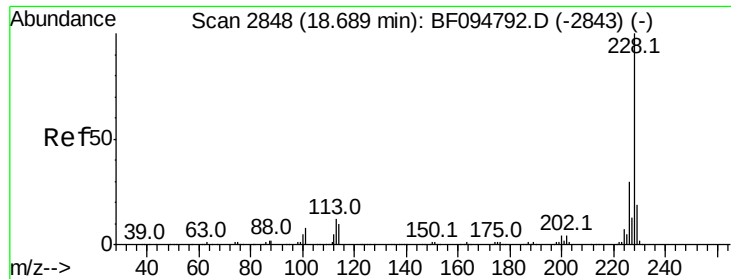
mohammad
 5/31/2017 1:00:20 PM



#80
 Benzo(a)anthracene
 Concen: 3.44 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 4.60 ng/mL

RT: 18.71 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

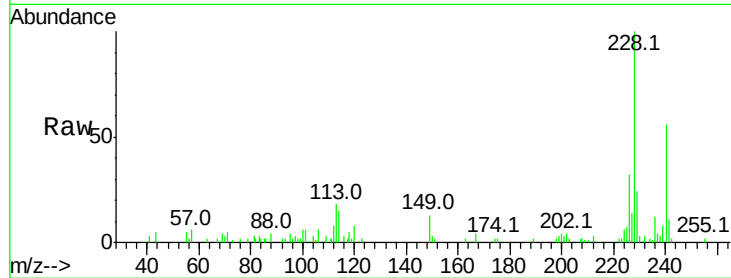
ClientSampleId :

NM6-COMP-0-6

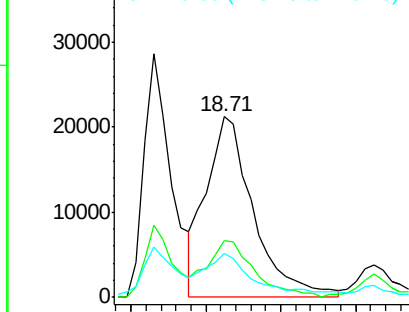
Tot Ion:	228	Resp:	46234
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.9	37.3
229	24.2	15.8	23.6

Manual Integrations
APPROVED

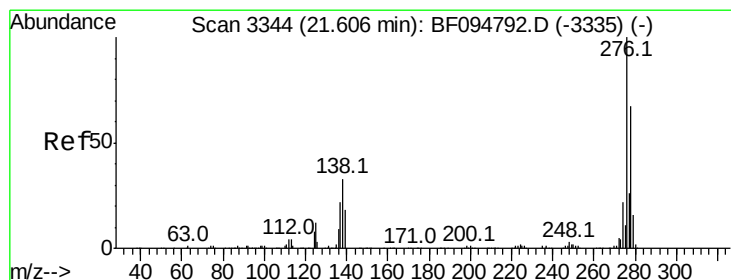
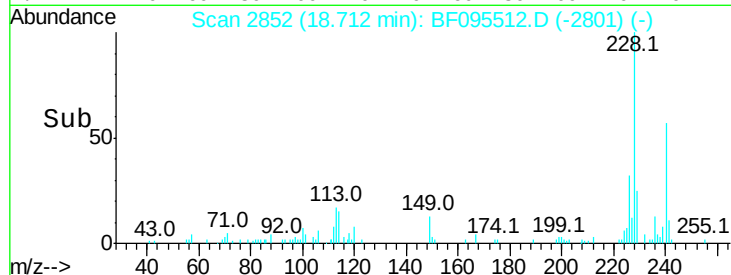
mohammad
5/31/2017 1:00:20 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.02 ng/mL

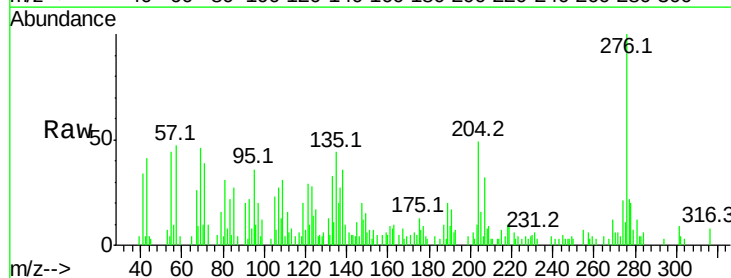
RT: 21.72 min Scan# 3363

Delta R.T. 0.04 min

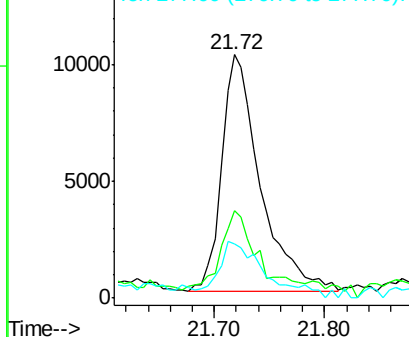
Lab File: BF095512.D

Acq: 27 May 2017 23:25

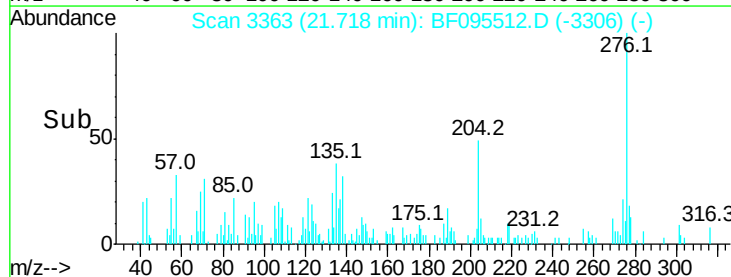
Tgt Ion:	276	Resp:	24660
Ion Ratio	Lower	Upper	
276	100		
138	45.7	27.8	41.6
277	28.6	20.2	30.4

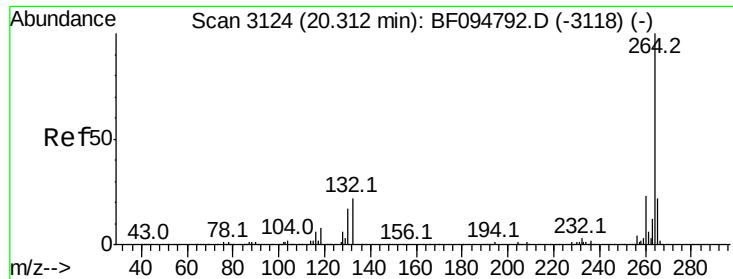


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





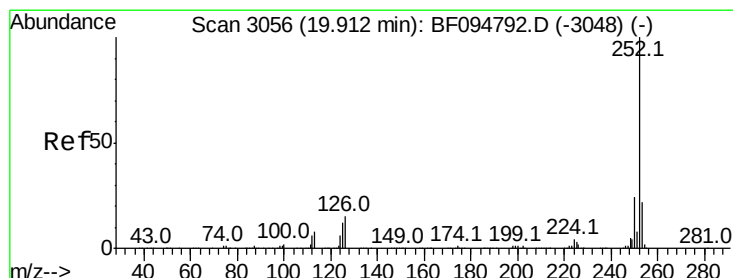
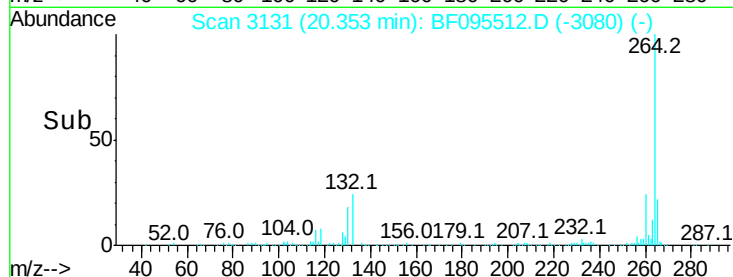
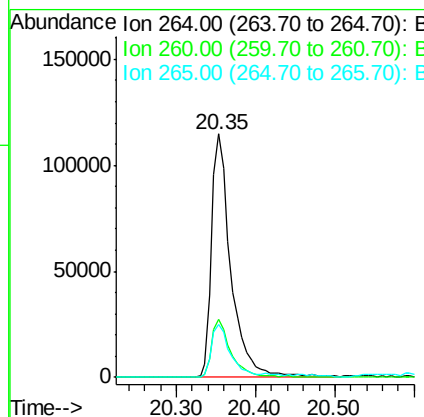
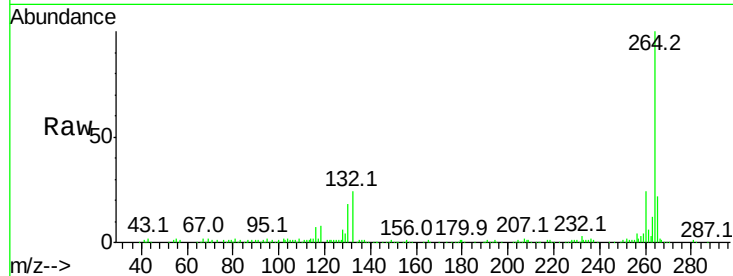
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-0-6

Tot Ion	Ratio	Resp	Lower	Upper
264	100	196612		
260	23.8	19.5	29.3	
265	21.5	17.2	25.8	

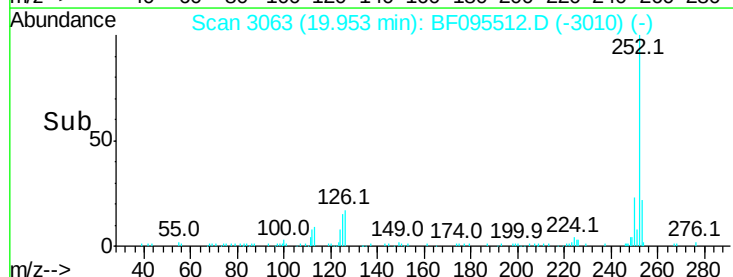
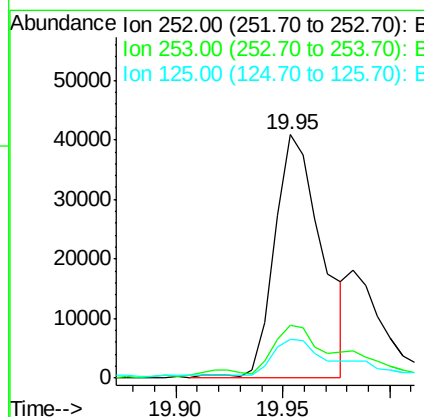
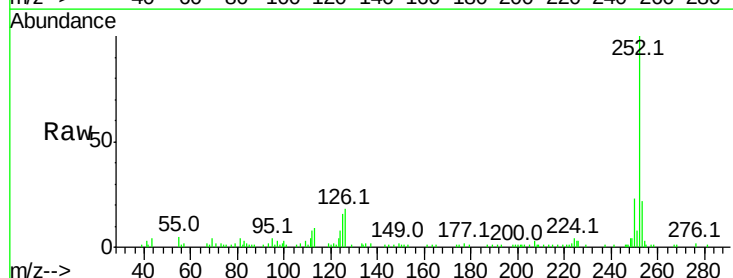
Manual Integrations
APPROVED

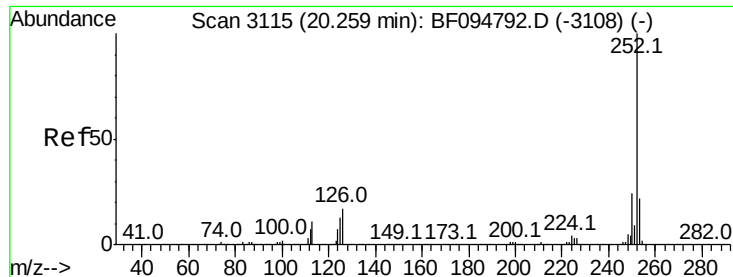
mohammad
5/31/2017 1:00:20 PM



#87
Benzo(b)fluoranthene
Concen: 5.19 ng m
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	63090		
253	21.9	18.1	27.1	
125	15.7	9.8	14.8	





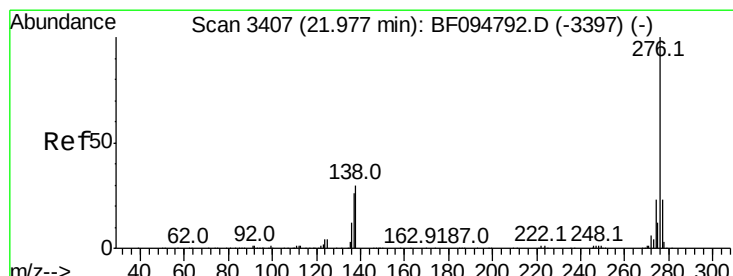
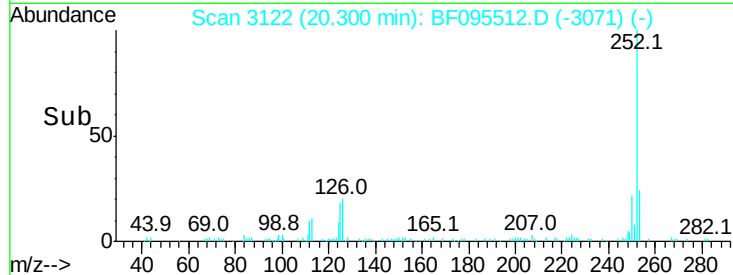
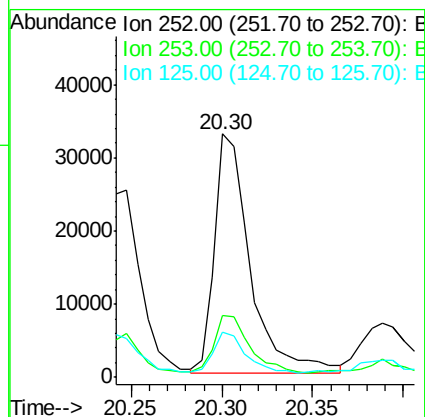
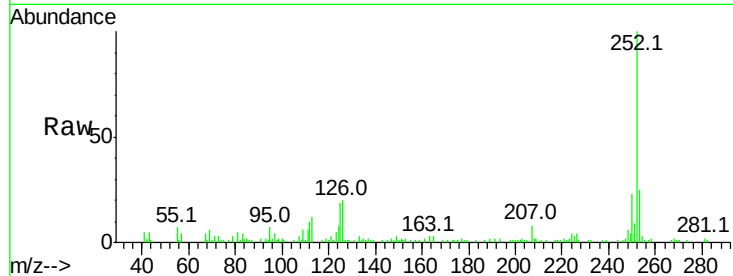
#89
Benzo(a)pyrene
Concen: 4.03 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	18.6	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/31/2017 1:00:20 PM



#91
Benzo(g,h,i)perylene
Concen: 3.01 ng
RT: 22.11 min Scan# 3430
Delta R.T. 0.04 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.8	18.6	28.0
138	37.7	25.4	38.0

