

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095575.D
 Acq On : 31 May 2017 21:12
 Operator : SJ/MA
 Sample : I3341-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM11-COMP-0-6

Manual Integrations
 APPROVED

mohammad
 6/1/2017 2:20:18 PM

Quant Time: Jun 01 06:01:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 04:09:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	97823	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	436742	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	192947	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	298325	20.00	ng	0.00
75) Chrysene-d12	18.50	240	199588	20.00	ng	0.00
86) Perylene-d12	20.18	264	173331	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	771510	131.49	ng	0.00
7) Phenol-d6	7.11	99	906841	128.81	ng	0.00
23) Nitrobenzene-d5	8.47	82	527786	76.20	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	154741	97.93	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	889309	66.34	ng	0.00
78) Terphenyl-d14	17.15	244	514190	56.74	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.05	163	293915	18.56	ng	99
70) Phenanthrene	14.85	178	218301	12.74	ng	99
71) Anthracene	14.94	178	56743	3.24	ng	95
74) Fluoranthene	16.61	202	242290	13.78	ng	99
77) Pyrene	16.91	202	192894	12.92	ng	96
80) Benzo(a)anthracene	18.49	228	92170	7.93	ng	98
82) Chrysene	18.54	228	84416	7.52	ng	97
85) Indeno(1,2,3-cd)pyrene	21.43	276	41560	4.56	ng	96
87) Benzo(b)fluoranthene	19.78	252	95180	8.89	ng	98
88) Benzo(k)fluoranthene	19.80	252	29919m	2.90	ng	
89) Benzo(a)pyrene	20.12	252	70852	7.17	ng	97
91) Benzo(a,h,i)perylene	21.79	276	41173	5.14	ng	97

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

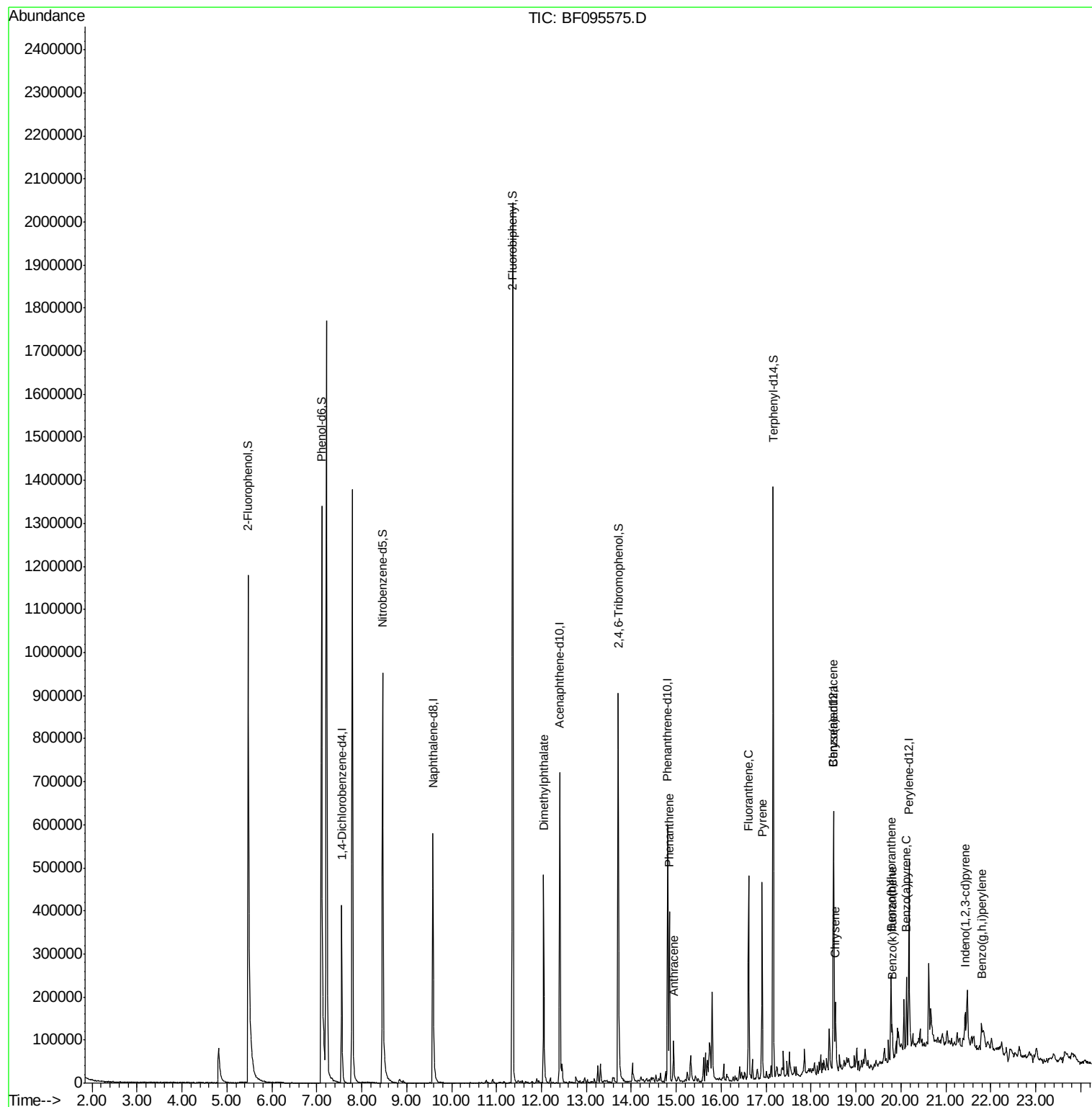
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095575.D
Acq On : 31 May 2017 21:12
Operator : SJ/MA
Sample : I3341-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

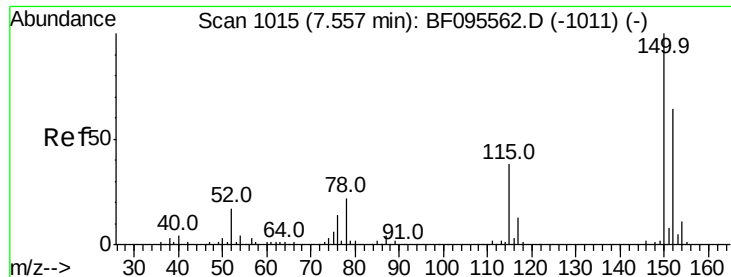
Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM

Quant Time: Jun 01 06:01:47 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 04:09:22 2017
Response via : Initial Calibration





#1

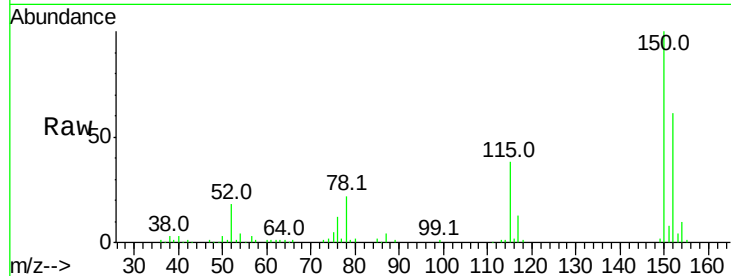
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

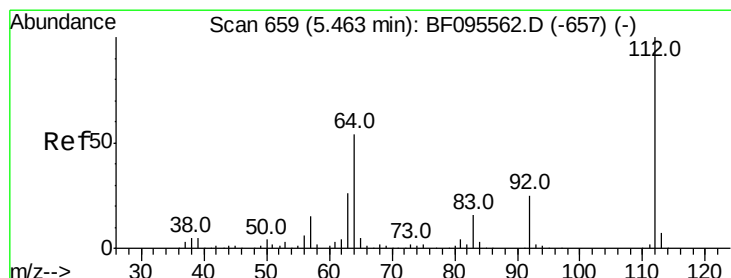
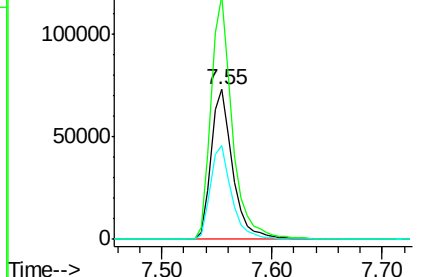
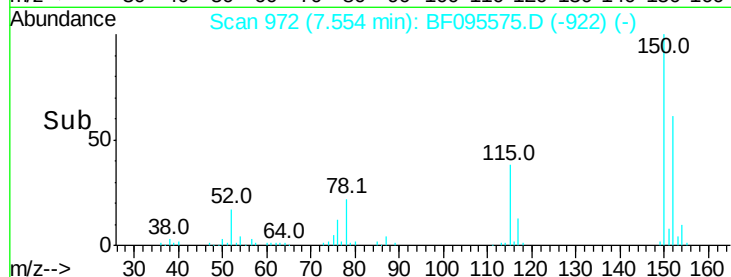
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	126.2	189.2
115	62.4	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM



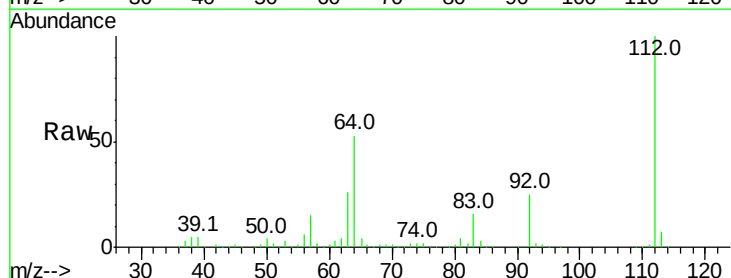
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



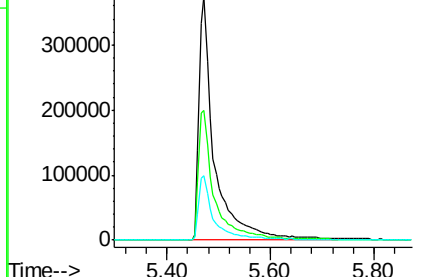
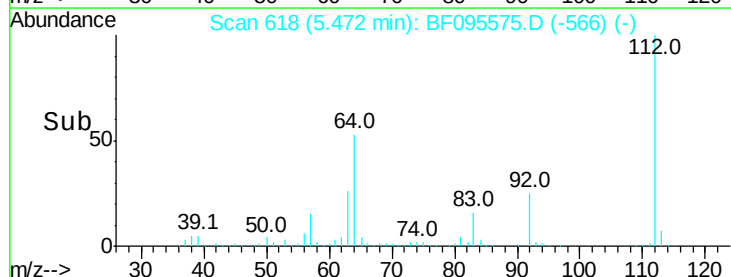
#5

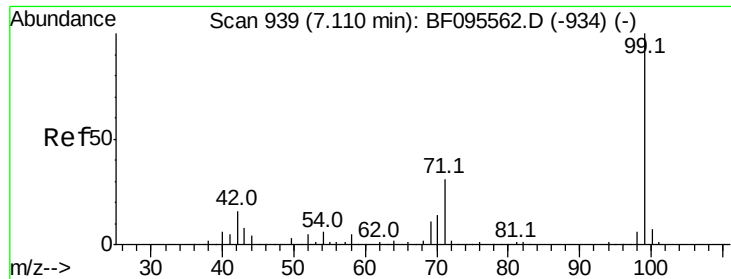
2-Fluorophenol
Concen: 131.49 ng
RT: 5.47 min Scan# 618
Delta R.T. 0.01 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	46.0	69.0
63	26.2	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: 128.81 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.00 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Instrument :

BNA_F

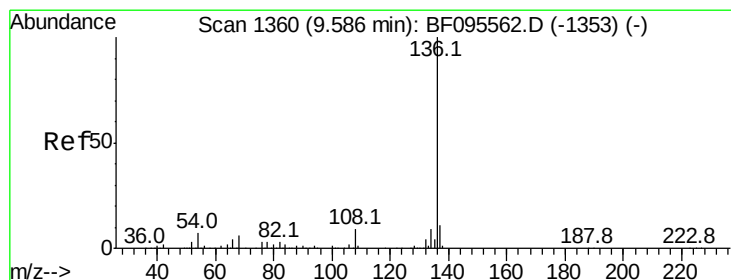
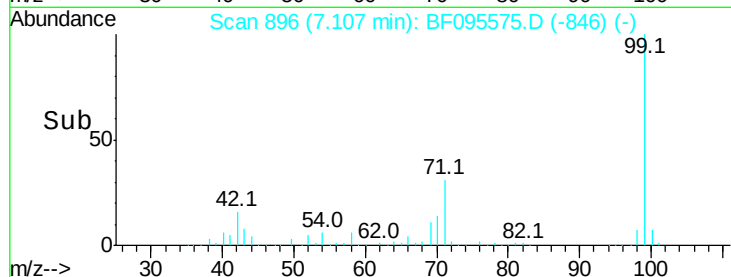
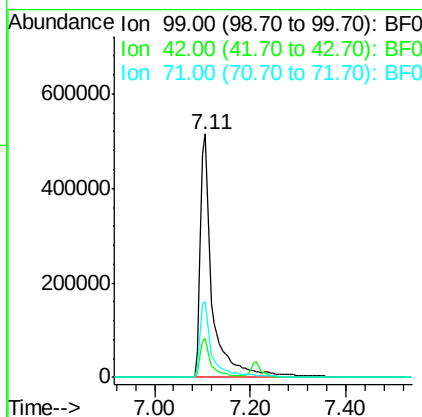
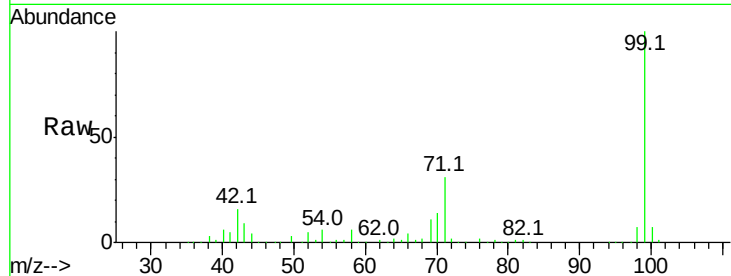
ClientSampleId :

NM11-COMP-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		906841		
42	15.9	13.5	20.3		
71	31.4	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM



#21

Naphthalene-d8

Concen: 20.00 ng

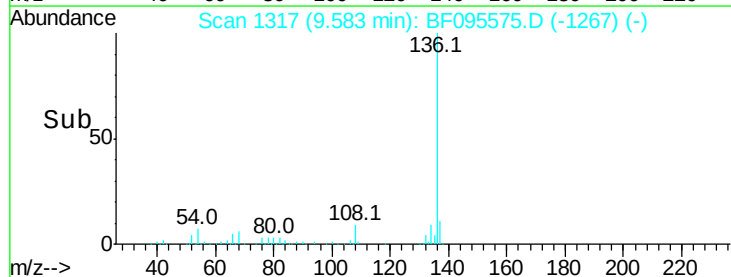
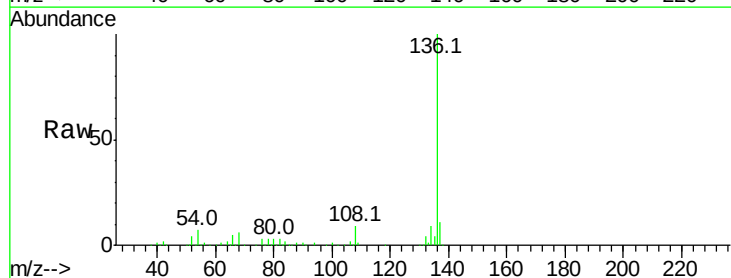
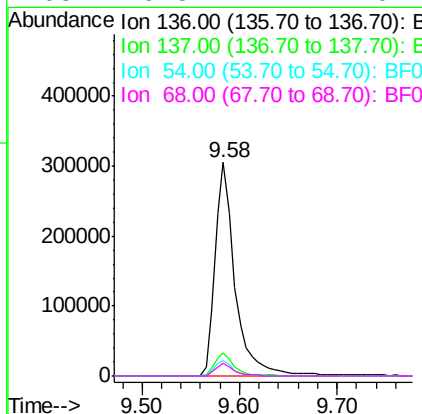
RT: 9.58 min Scan# 1317

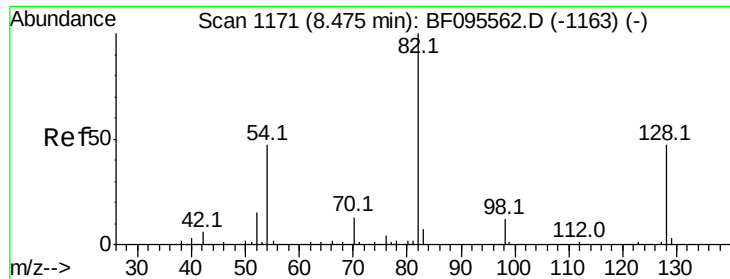
Delta R.T. -0.00 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		436742		
137	11.1	8.5	12.7		
54	6.9	4.9	7.3		
68	5.8	4.1	6.1		





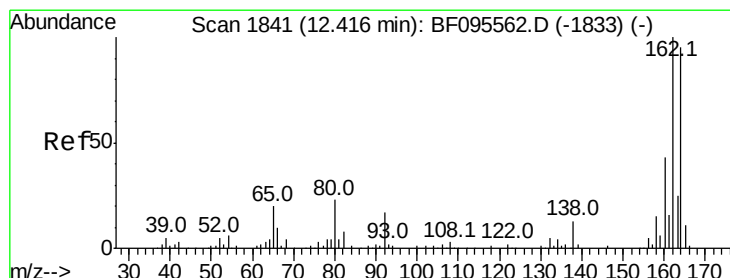
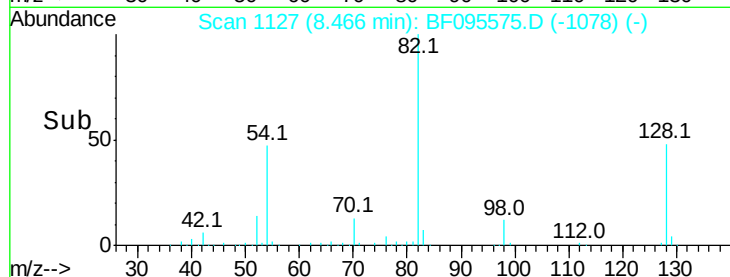
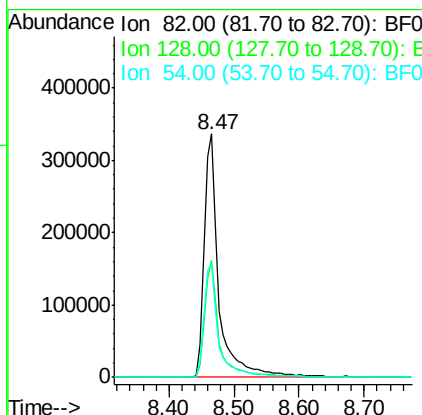
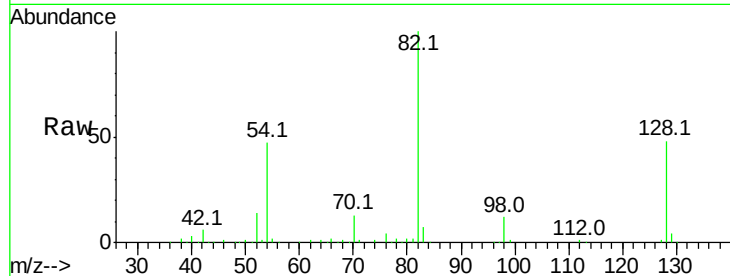
#23
 Nitrobenzene-d5
 Concen: 76.20 ng
 RT: 8.47 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF095575.D
 Acq: 31 May 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :
 NM11-COMP-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	47.0	42.2	63.2

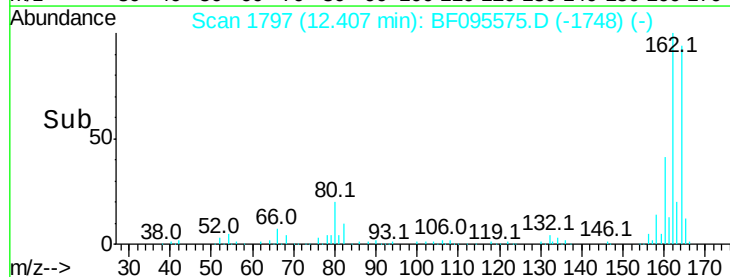
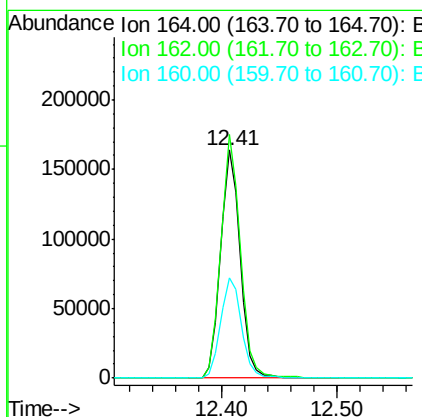
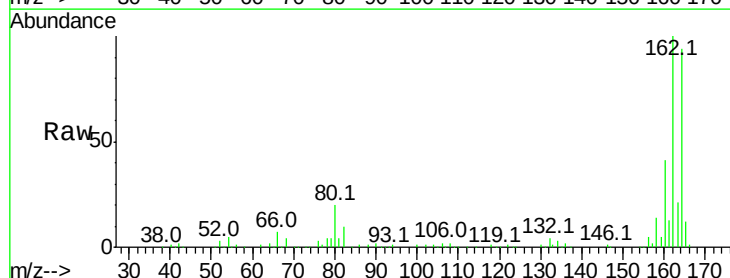
Manual Integrations
 APPROVED

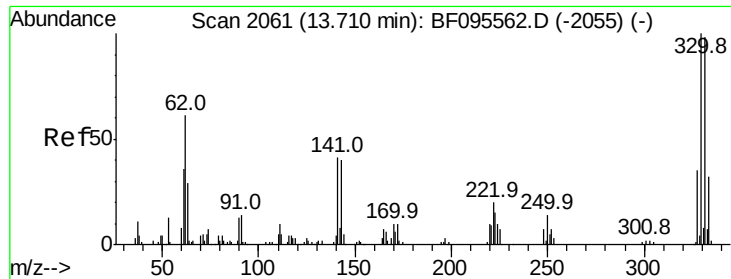
mohammad
 6/1/2017 2:20:18 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.41 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF095575.D
 Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	123.8
160	43.8	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 97.93 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Instrument :

BNA_F

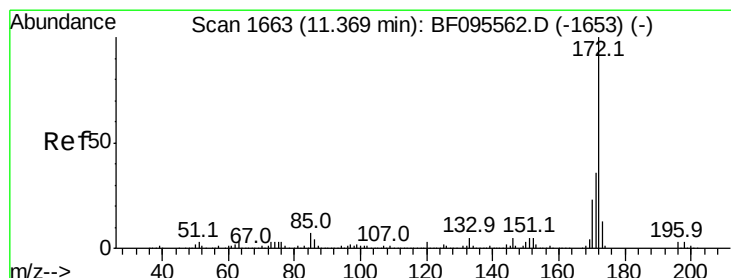
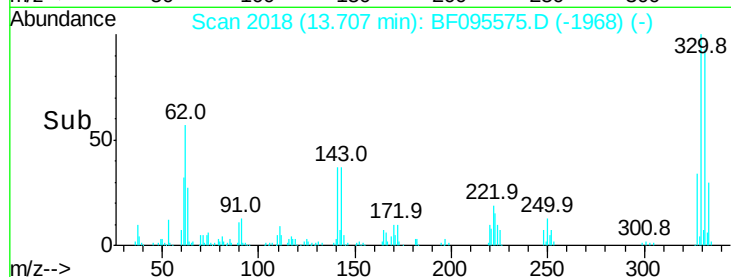
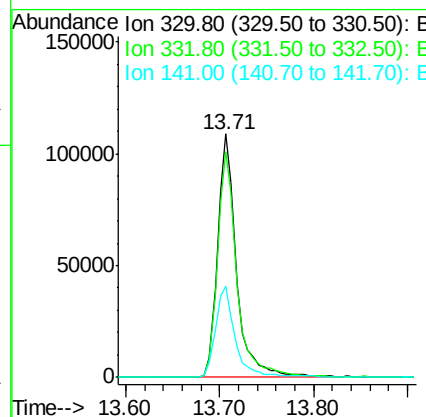
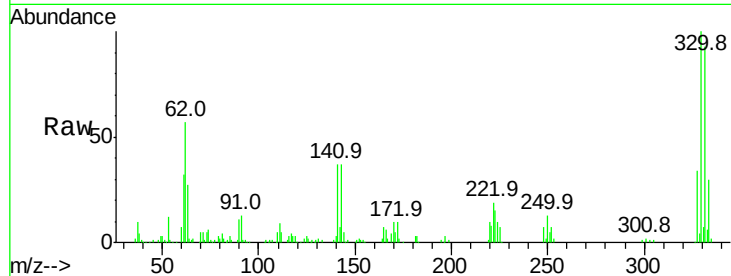
ClientSampleId :

NM11-COMP-0-6

Tot Ion:	330	Resp:	154741
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.6	115.0
141	39.4	31.4	47.2

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM



#44

2-Fluorobiphenyl

Concen: 66.34 ng

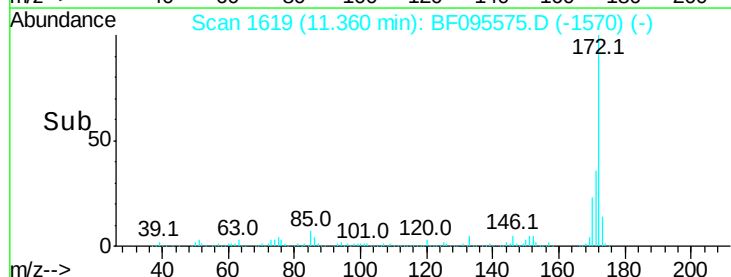
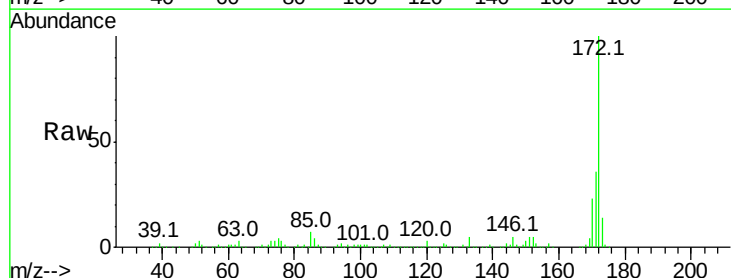
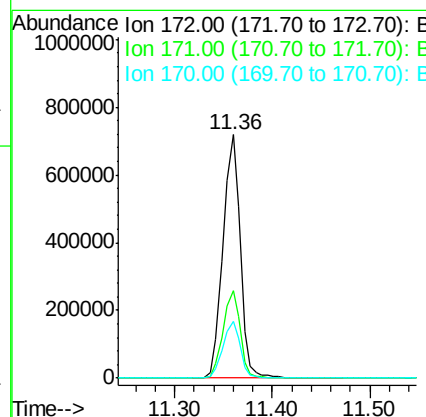
RT: 11.36 min Scan# 1619

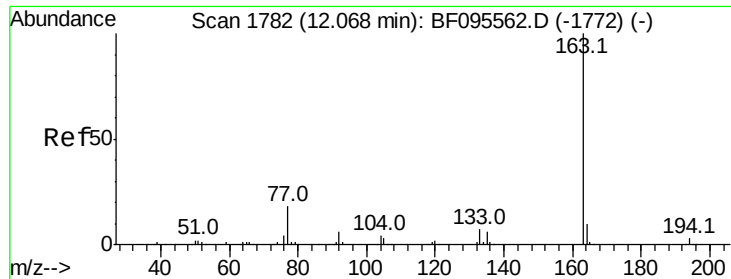
Delta R.T. -0.01 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Tgt Ion:	172	Resp:	889309
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	23.3	19.8	29.8





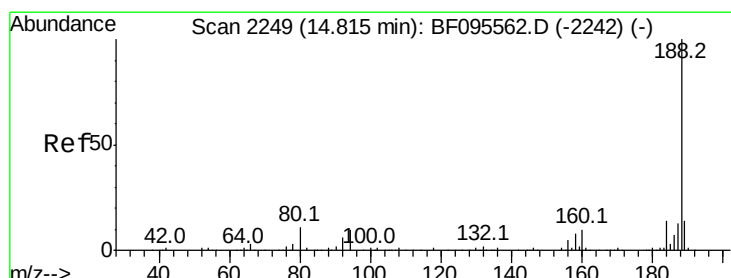
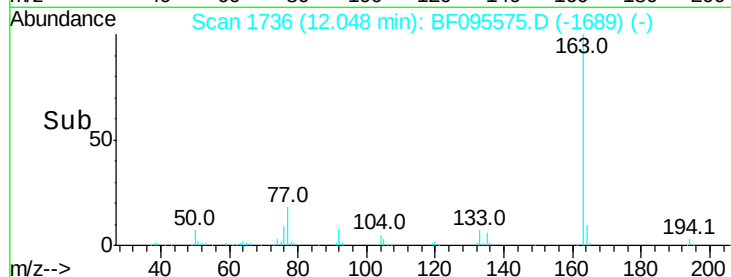
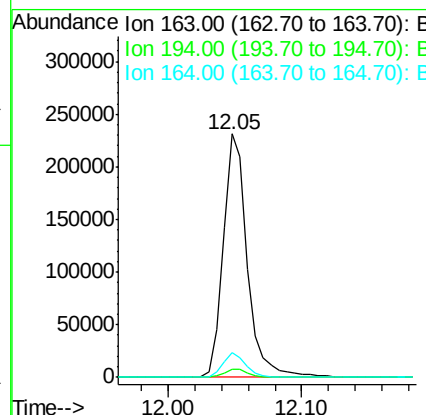
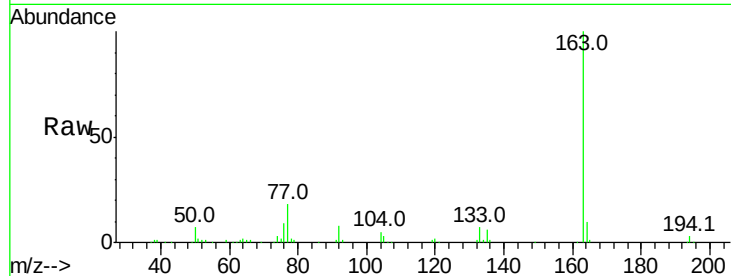
#49
Dimethylphthalate
Concen: 18.56 ng
RT: 12.05 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	293915		
194	3.2		2.6	4.0
164	10.1		8.4	12.6

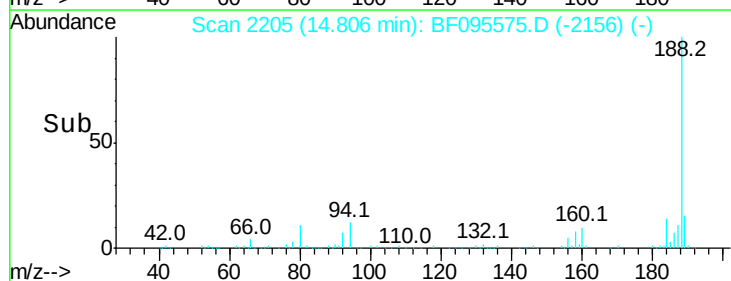
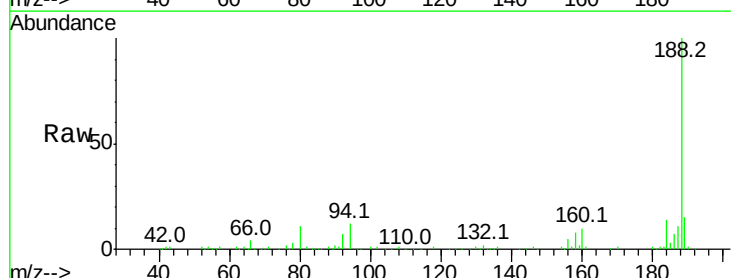
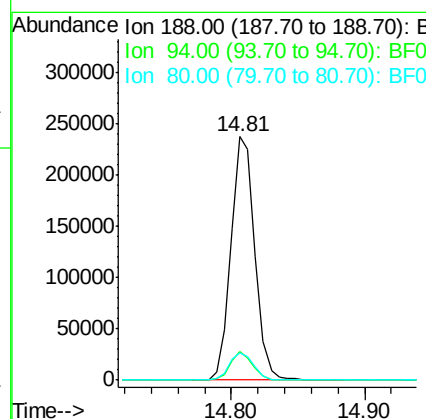
Manual Integrations
APPROVED

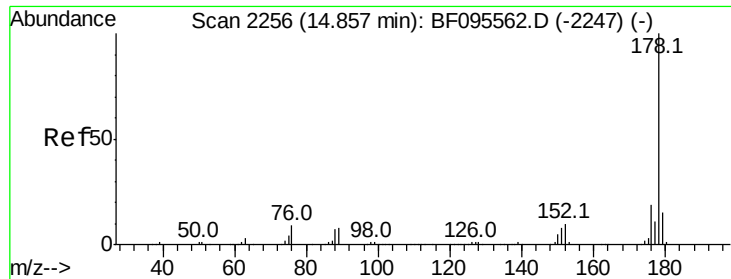
mohammad
6/1/2017 2:20:18 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	298325		
94	11.5		9.4	14.2
80	11.5		10.2	15.2





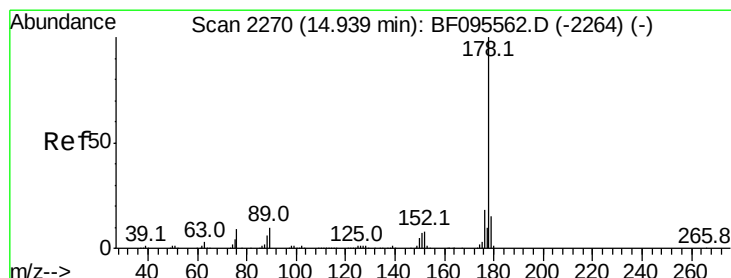
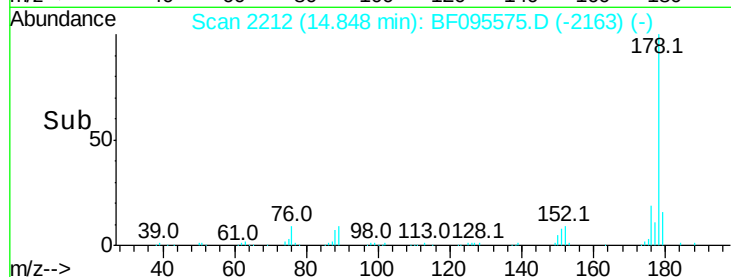
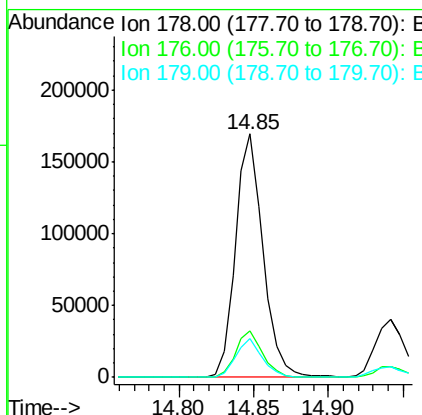
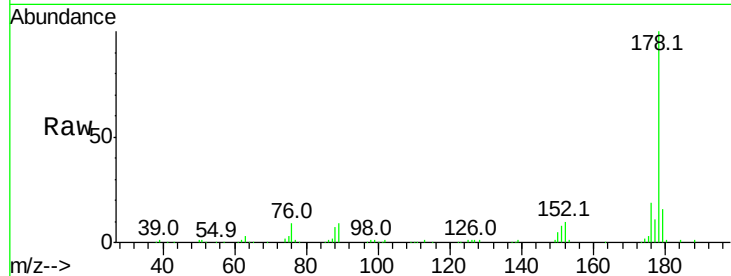
#70
Phenanthrene
Concen: 12.74 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.8	12.6	19.0

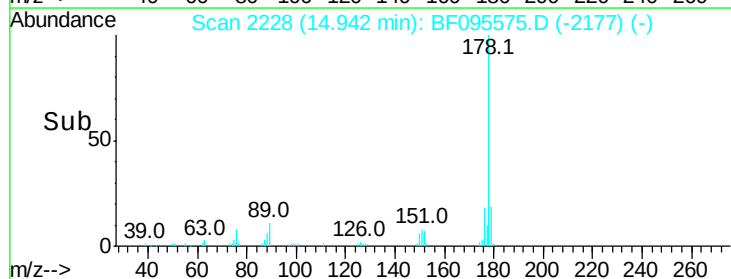
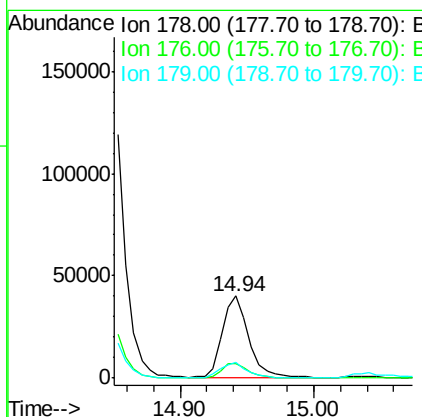
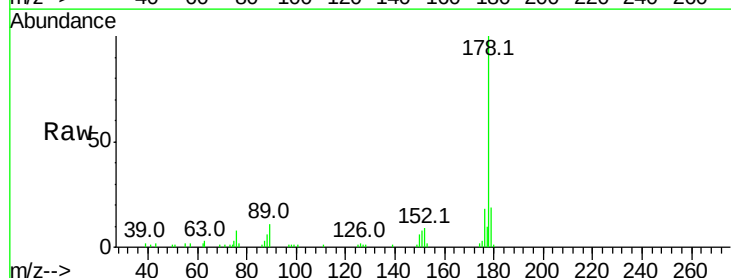
Manual Integrations
APPROVED

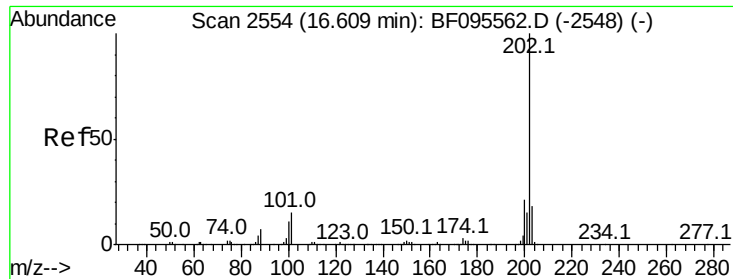
mohammad
6/1/2017 2:20:18 PM



#71
Anthracene
Concen: 3.24 ng
RT: 14.94 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	18.5	12.7	19.1





#74

Fluoranthene

Concen: 13.78 ng

RT: 16.61 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Instrument :

BNA_F

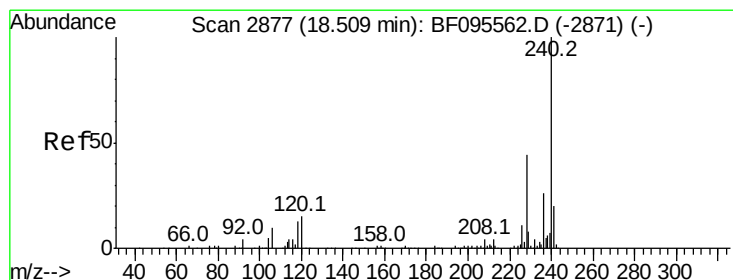
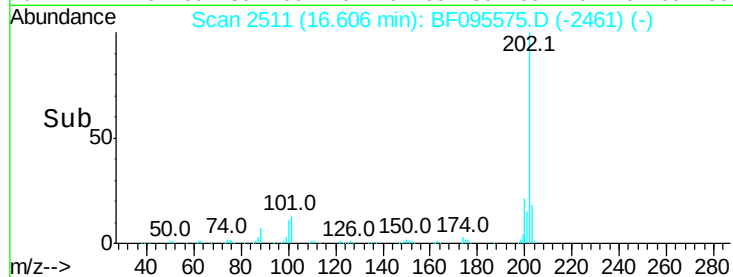
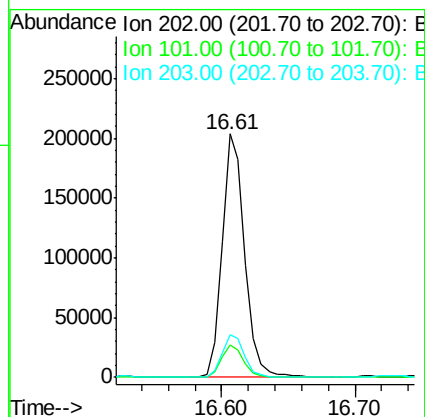
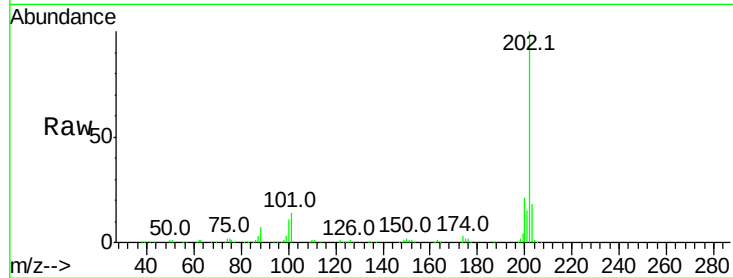
ClientSampleId :

NM11-COMP-0-6

Tot Ion:	202	Resp:	242290
Ion Ratio		Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.7	0.0	38.1

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM



#75

Chrysene-d12

Concen: 20.00 ng

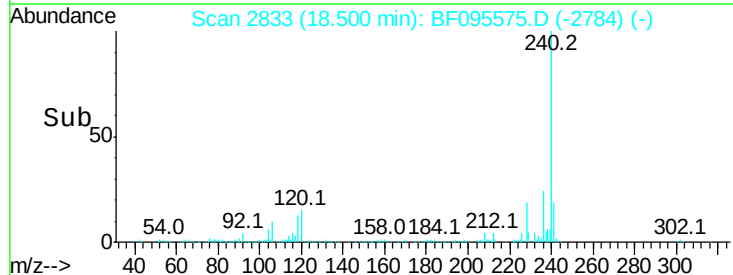
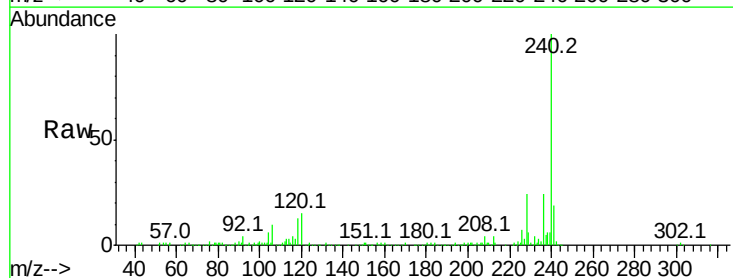
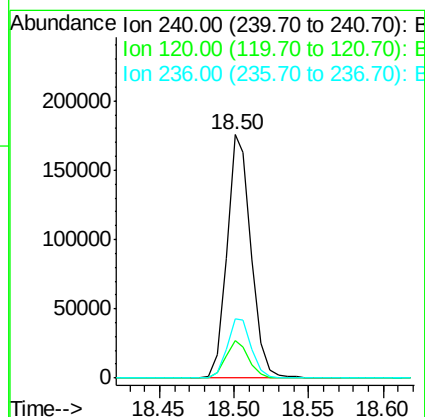
RT: 18.50 min Scan# 2833

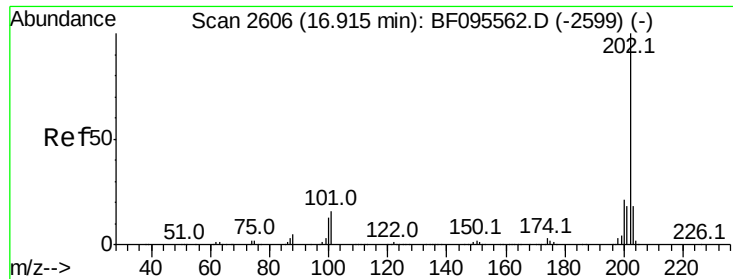
Delta R.T. -0.01 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Tgt Ion:	240	Resp:	199588
Ion Ratio		Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	24.4	20.5	30.7





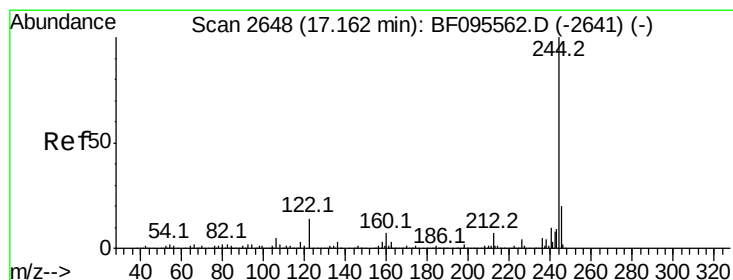
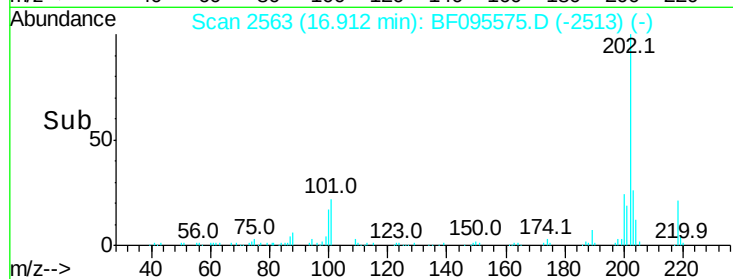
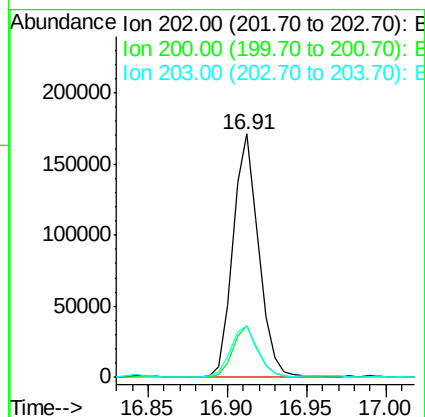
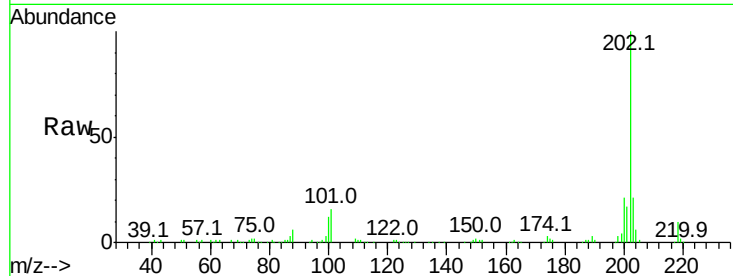
#77
Pvrene
Concen: 12.92 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.6	26.4	
203	21.4	14.4	21.6	

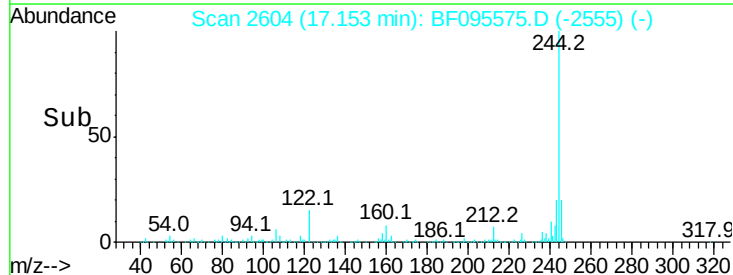
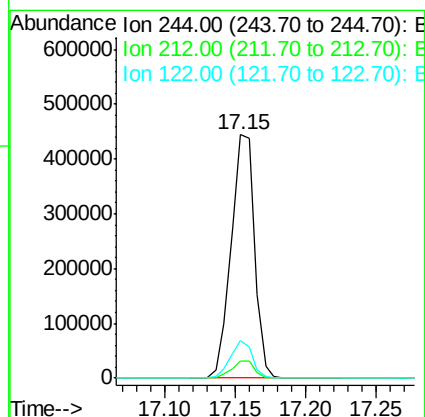
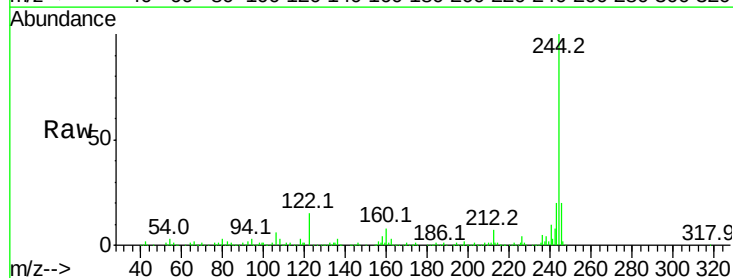
Manual Integrations
APPROVED

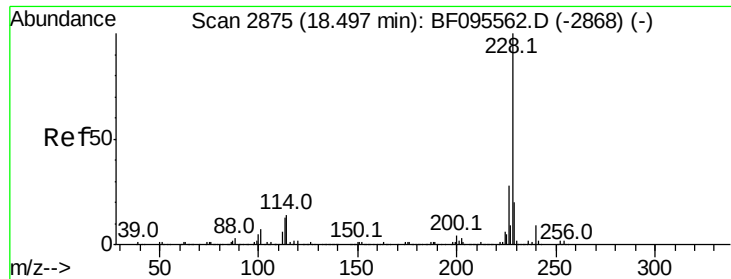
mohammad
6/1/2017 2:20:18 PM



#78
Terphenyl-d14
Concen: 56.74 ng
RT: 17.15 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	6.0	9.0	
122	15.4	10.3	15.5	





#80

Benzo(a)anthracene

Concen: 7.93 ng

RT: 18.49 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Instrument :

BNA_F

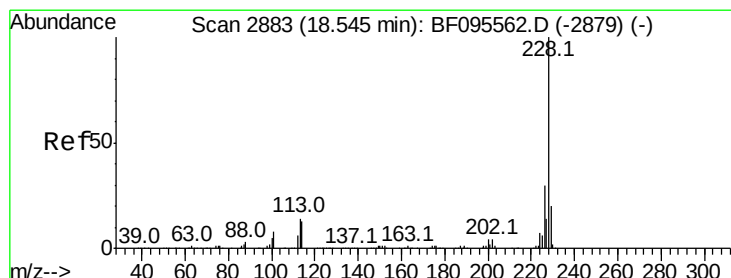
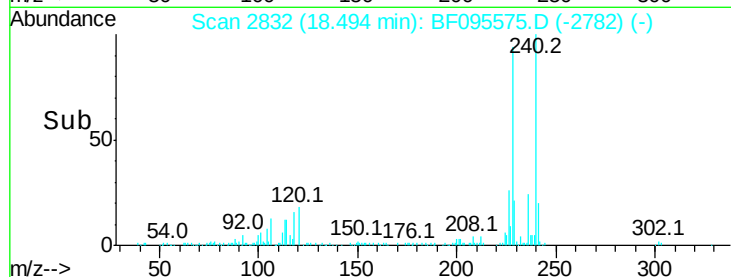
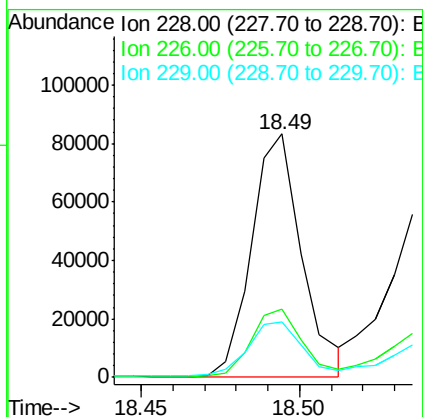
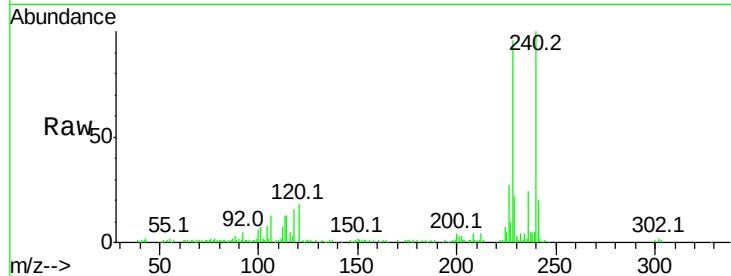
ClientSampleId :

NM11-COMP-0-6

Tot Ion:228	Resp:	92170
Ion Ratio	Lower	Upper
228 100		
226 28.3	22.6	33.8
229 22.6	16.3	24.5

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM



#82

Chrysene

Concen: 7.52 ng

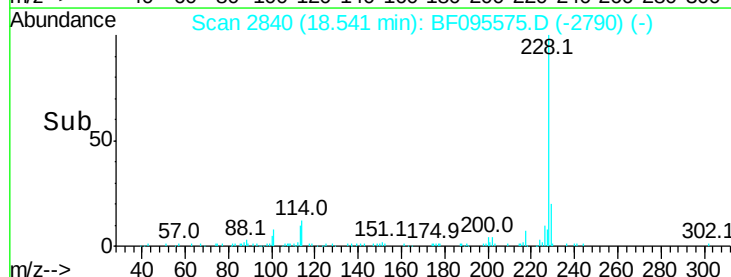
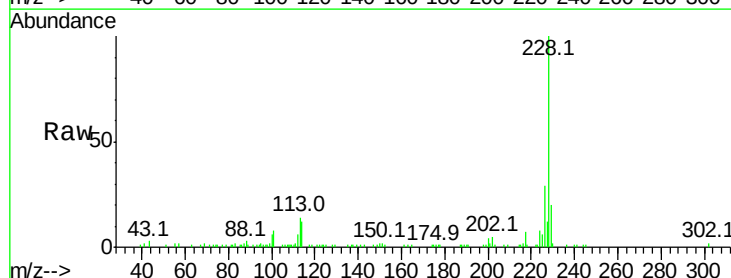
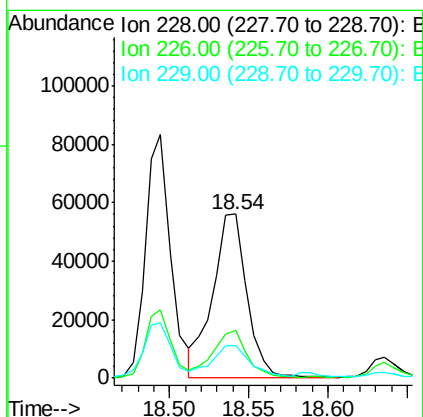
RT: 18.54 min Scan# 2840

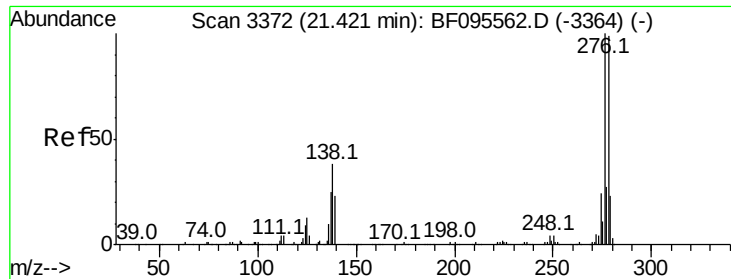
Delta R.T. -0.00 min

Lab File: BF095575.D

Acq: 31 May 2017 21:12

Tgt Ion:228	Resp:	84416
Ion Ratio	Lower	Upper
228 100		
226 28.8	24.9	37.3
229 19.6	15.8	23.6





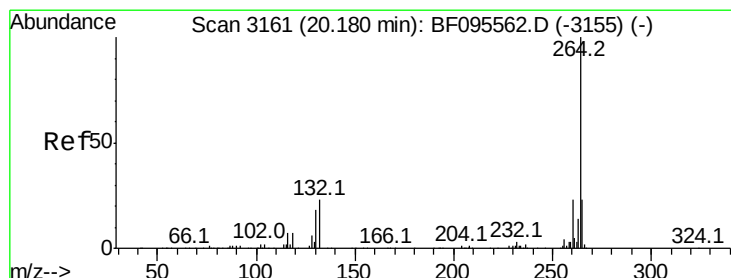
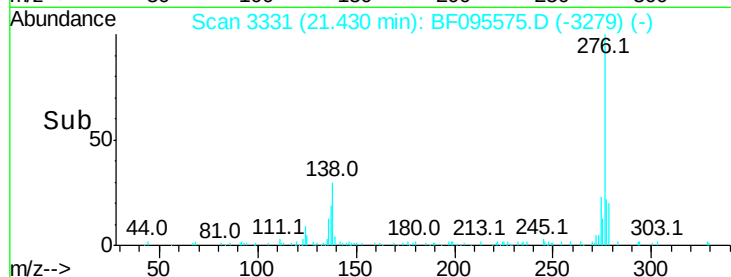
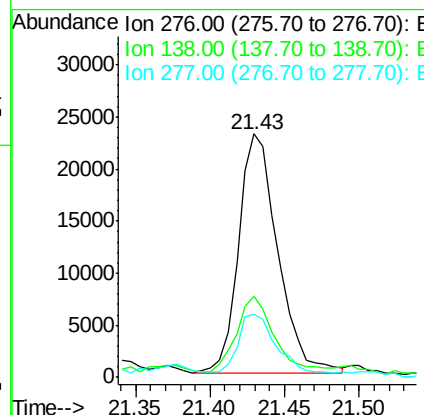
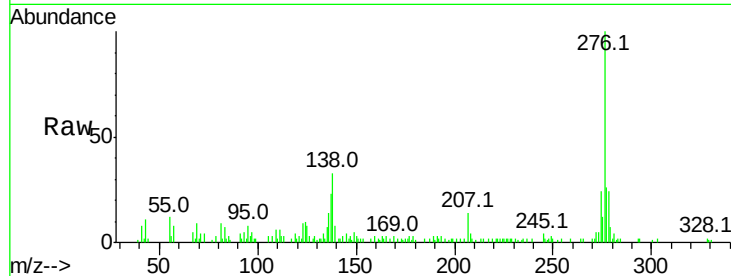
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.56 ng
 RT: 21.43 min Scan# 3331
 Delta R.T. 0.01 min
 Lab File: BF095575.D
 Acq: 31 May 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :
 NM11-COMP-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	27.8	41.6
277	24.6	20.2	30.4

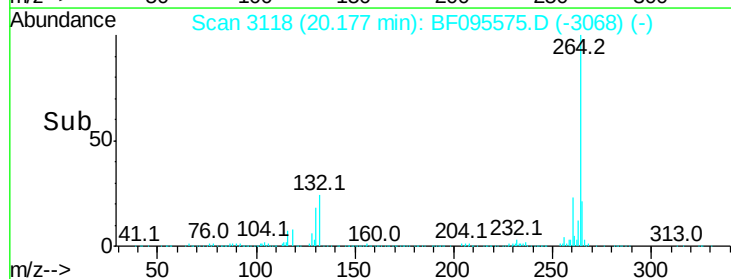
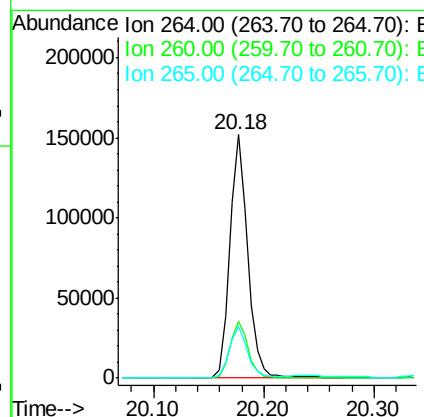
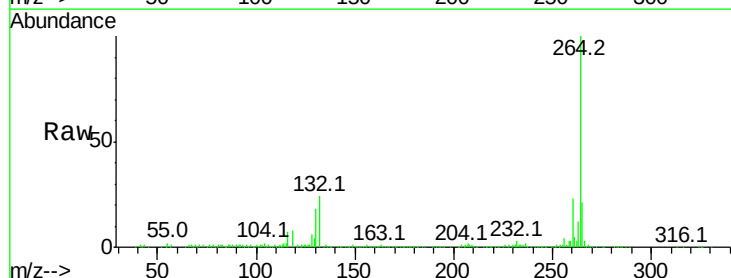
Manual Integrations
 APPROVED

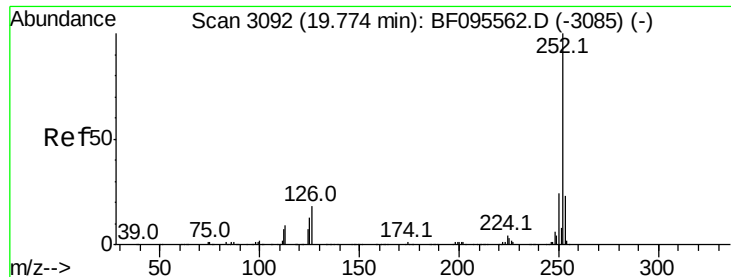
mohammad
 6/1/2017 2:20:18 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.18 min Scan# 3118
 Delta R.T. -0.00 min
 Lab File: BF095575.D
 Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.1	17.2	25.8





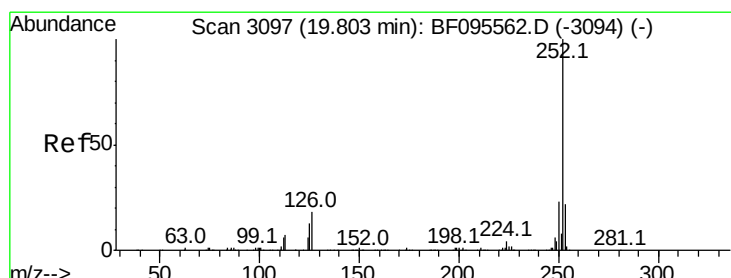
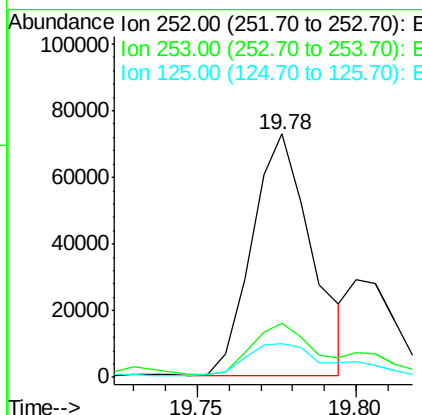
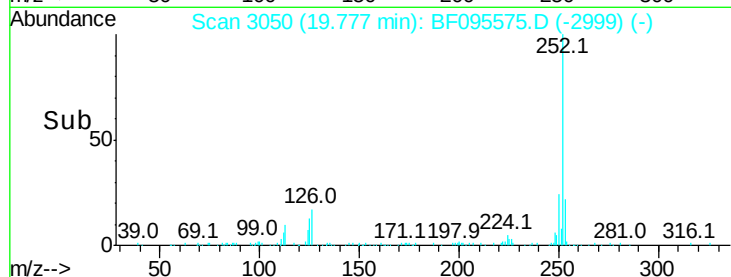
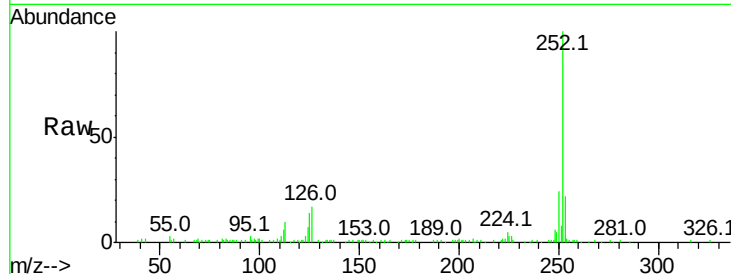
#87
Benzo(b)fluoranthene
Concen: 8.89 ng
RT: 19.78 min Scan# 3050
Delta R.T. 0.00 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	13.9	9.8	14.8

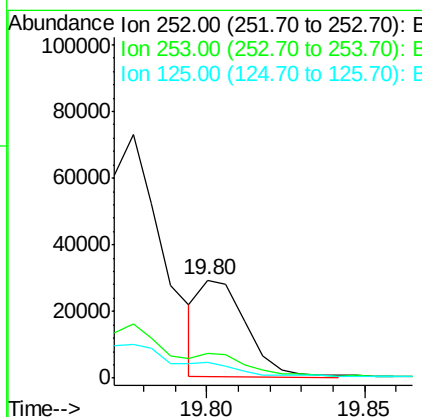
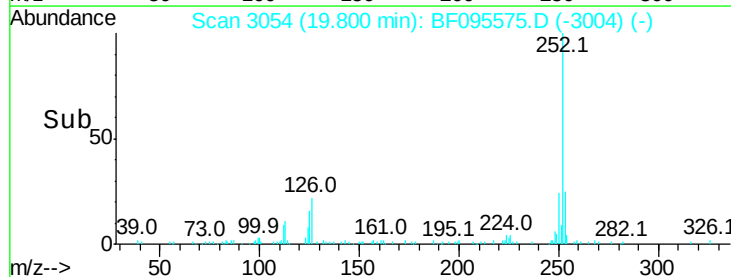
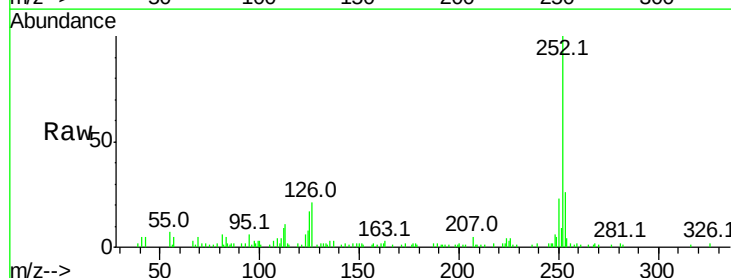
Manual Integrations
APPROVED

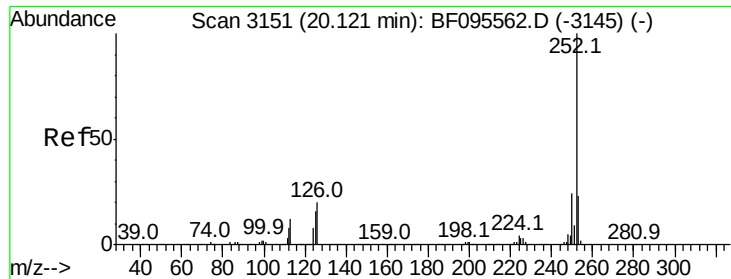
mohammad
6/1/2017 2:20:18 PM



#88
Benzo(k)fluoranthene
Concen: 2.90 ng m
RT: 19.80 min Scan# 3054
Delta R.T. -0.00 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	16.7	13.1	19.7





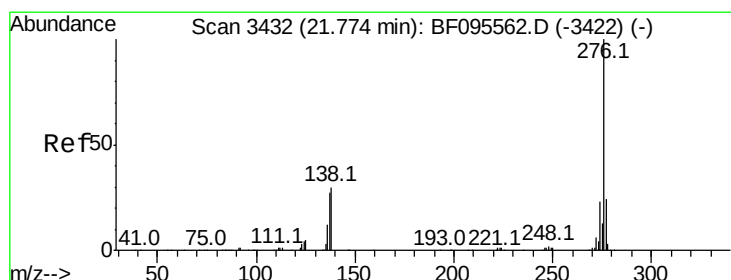
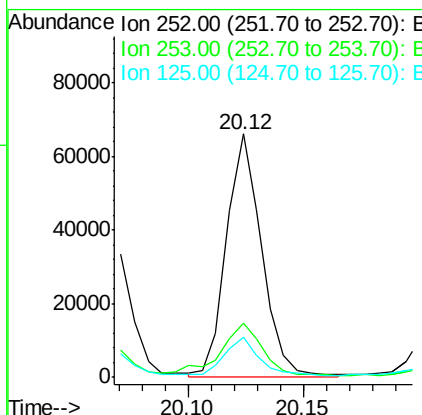
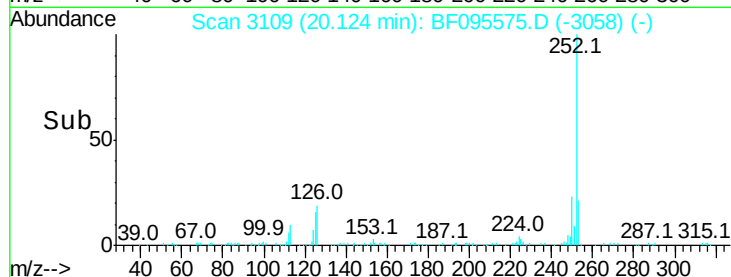
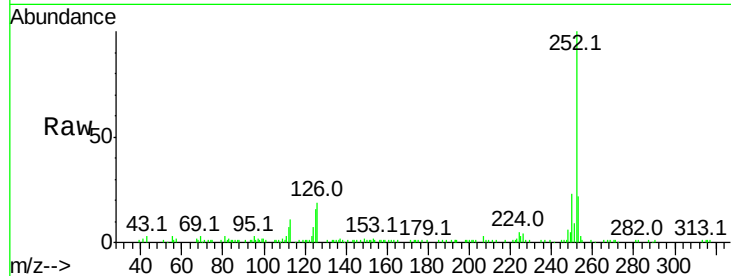
#89
Benzo(a)pyrene
Concen: 7.17 ng
RT: 20.12 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

Instrument :
BNA_F
ClientSampleId :
NM11-COMP-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.4	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:18 PM



#91
Benzo(g,h,i)perylene
Concen: 5.14 ng
RT: 21.79 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BF095575.D
Acq: 31 May 2017 21:12

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

