

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095544.D
 Acq On : 30 May 2017 19:52
 Operator : SJ/MA
 Sample : I3302-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM2-COMP-6-18

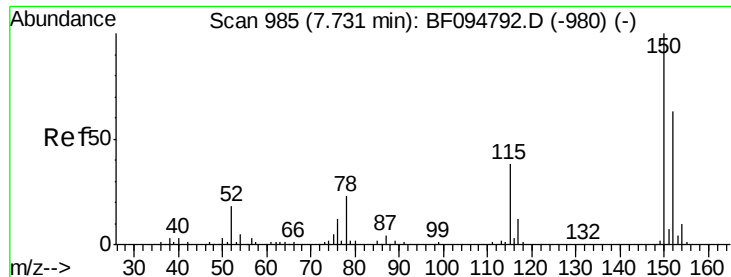
Manual Integrations
 APPROVED

mohammad
 5/31/2017 5:02:46 PM

Quant Time: May 31 04:21:17 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	107665	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	411998	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	170013	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	245817	20.00	ng	0.00
75) Chrysene-d12	18.67	240	240755	20.00	ng	0.00
86) Perylene-d12	20.35	264	175889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	638294	98.84	ng	0.00
7) Phenol-d6	7.30	99	689956	89.05	ng	0.00
23) Nitrobenzene-d5	8.64	82	418390	64.04	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	111648	80.19	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	810398	68.61	ng	0.00
78) Terphenyl-d14	17.31	244	533860	48.84	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	119582	8.57	ng	99
70) Phenanthrene	15.04	178	162283	11.49	ng	96
71) Anthracene	15.13	178	42366	2.94	ng	96
74) Fluoranthene	16.78	202	303440	20.94	ng	99
77) Pyrene	17.08	202	271522	15.08	ng	99
79) Butylbenzylphthalate	17.97	149	74827	8.93	ng	89
80) Benzo(a)anthracene	18.66	228	127882	9.13	ng	96
82) Chrysene	18.71	228	131843	9.73	ng	98
83) Bis(2-ethylhexyl)phthalate	18.71	149	40352	3.38	ng	99
85) Indeno(1,2,3-cd)pyrene	21.69	276	51625	4.69	ng	96
87) Benzo(b)fluoranthene	19.94	252	134927m	12.41	ng	
88) Benzo(k)fluoranthene	19.97	252	54366m	5.19	ng	
89) Benzo(a)pyrene	20.29	252	100147	9.99	ng	# 94
91) Benzo(g,h,i)perylene	22.08	276	51080	6.28	ng	92

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



#1

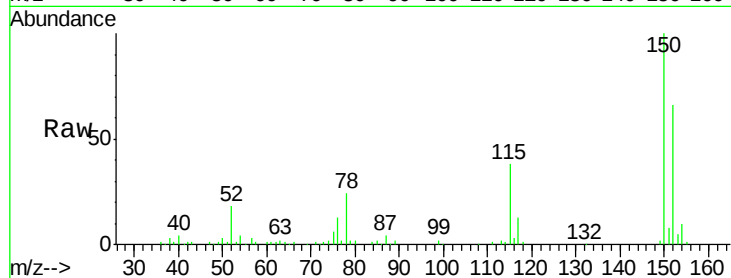
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampled :
NM2-COMP-6-18

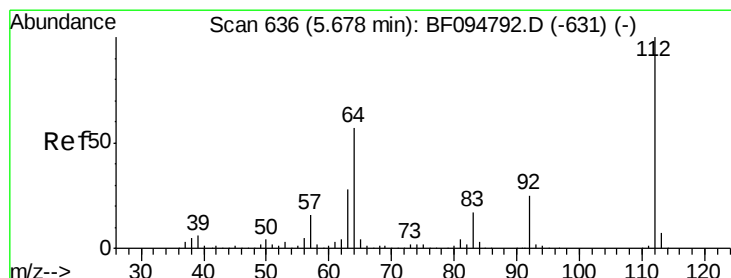
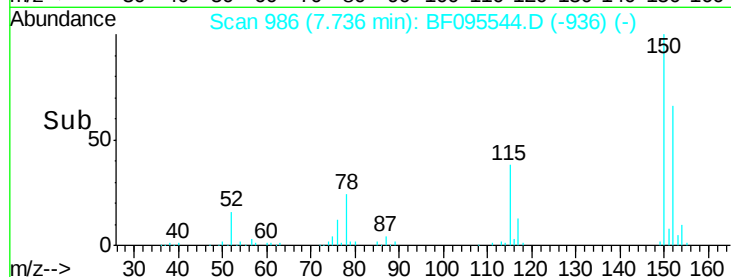
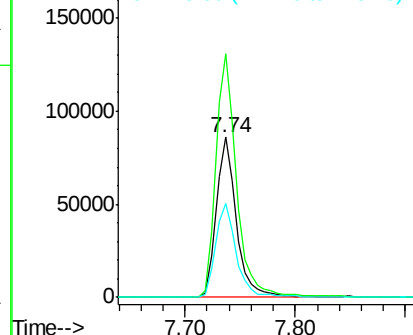
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	126.2	189.2
115	58.4	52.2	78.2

Manual Integrations
APPROVED

mohammad
5/31/2017 5:02:46 PM



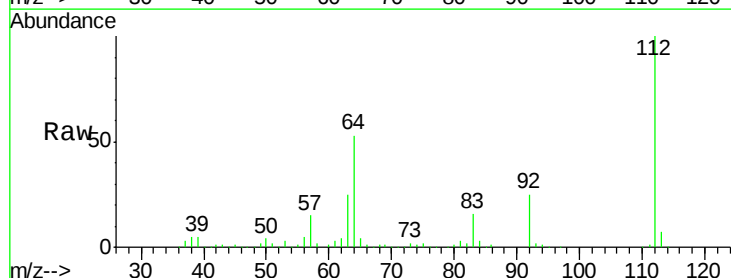
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



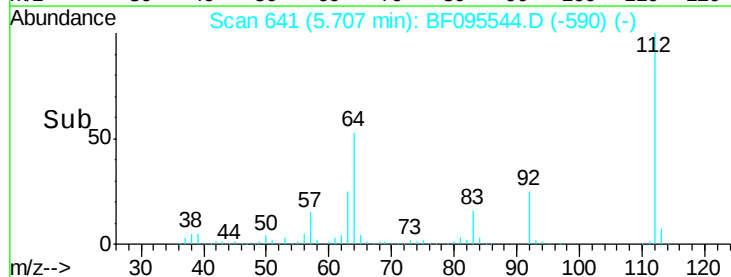
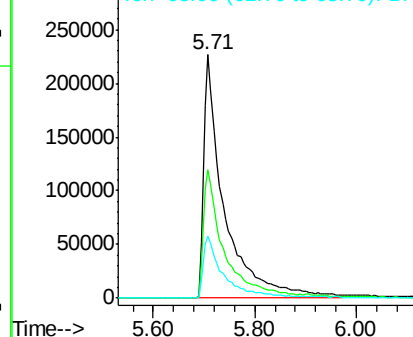
#5

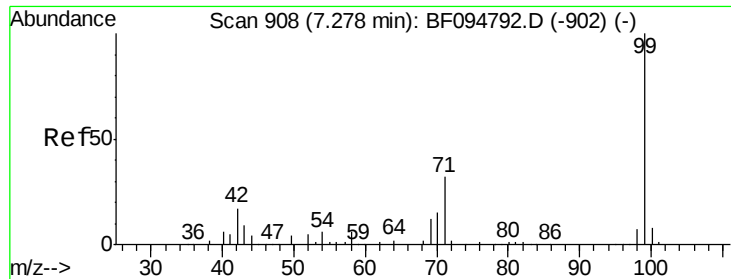
2-Fluorophenol
Concen: 98.84 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	46.0	69.0
63	25.2	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: 89.05 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

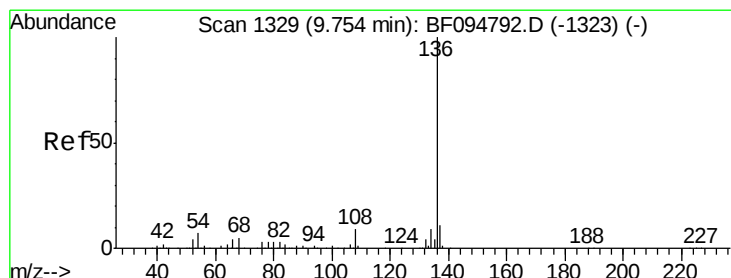
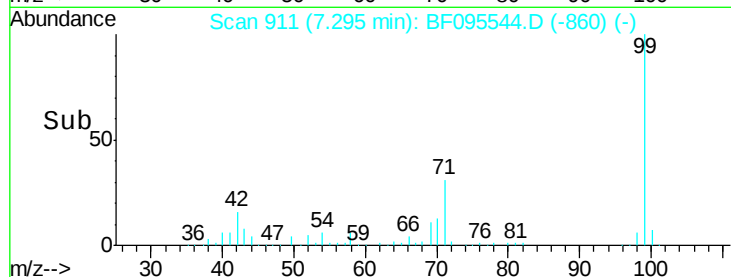
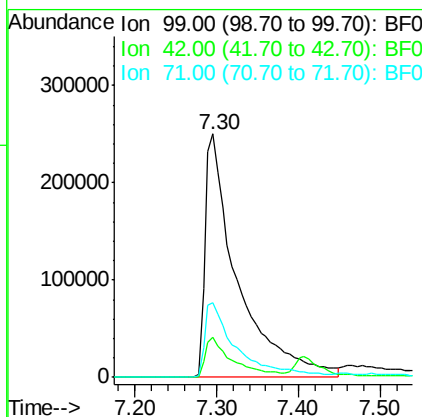
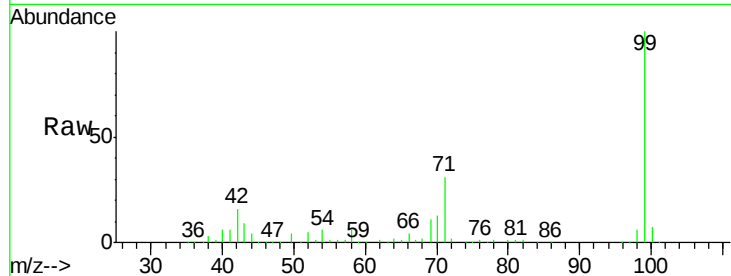
ClientSampleId :

NM2-COMP-6-18

Tgt Ion:	99	Resp:	689956
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	30.9	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/31/2017 5:02:46 PM



#21

Naphthalene-d8

Concen: 20.00 ng

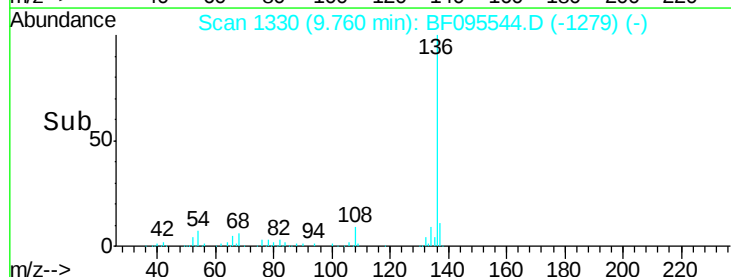
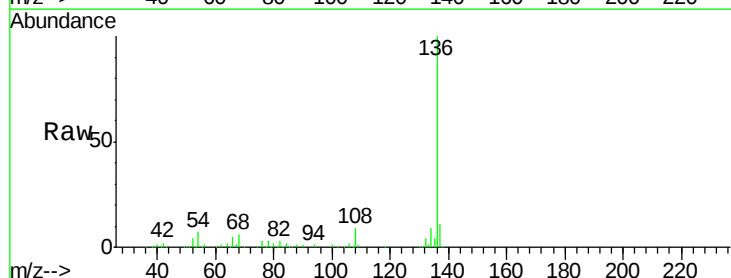
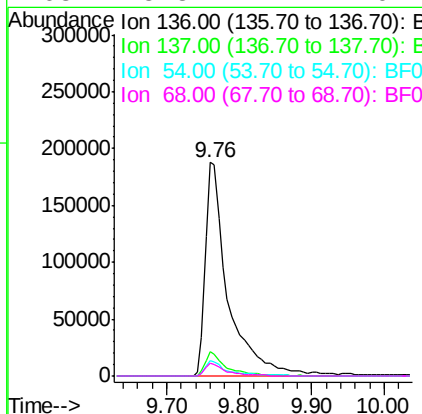
RT: 9.76 min Scan# 1330

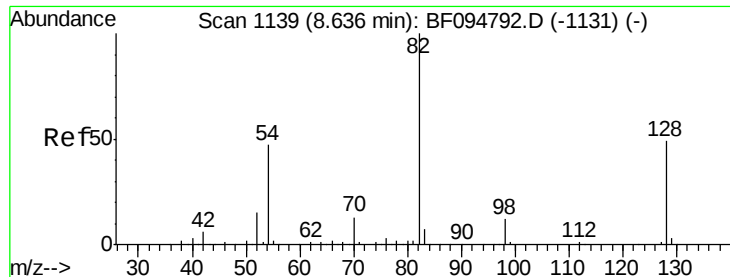
Delta R.T. 0.00 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Tgt Ion:	136	Resp:	411998
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.5	4.9	7.3#
68	5.8	4.1	6.1





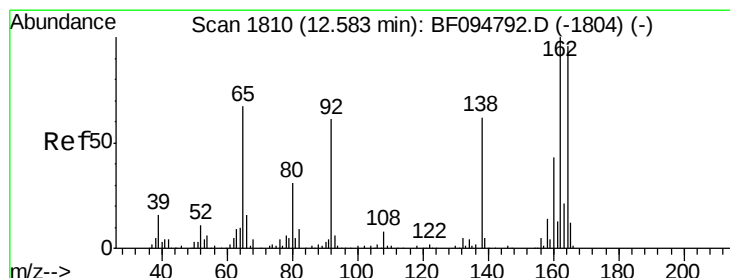
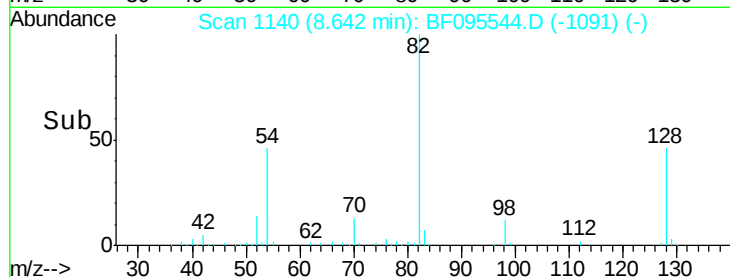
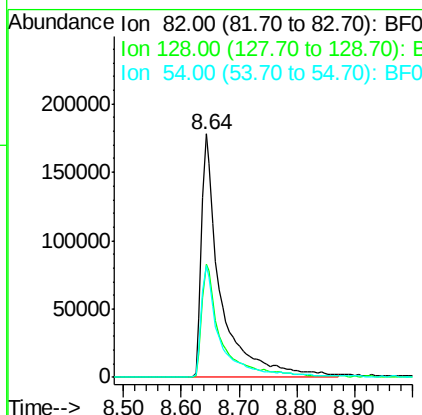
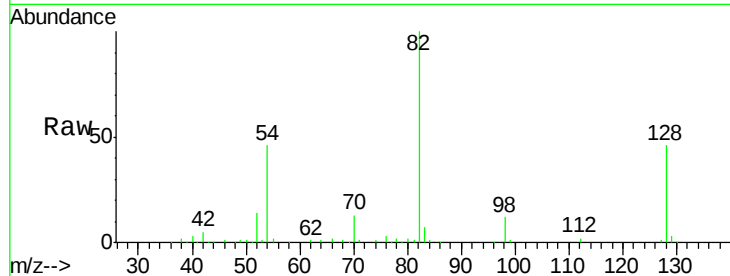
#23
Nitrobenzene-d5
Concen: 64.04 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampleId :
NM2-COMP-6-18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	418390		
128	46.4	34.0	51.0	
54	45.8	42.2	63.2	

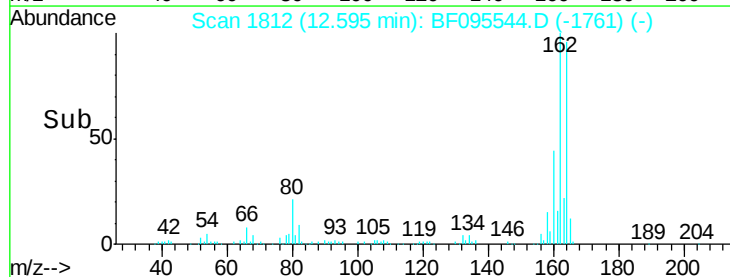
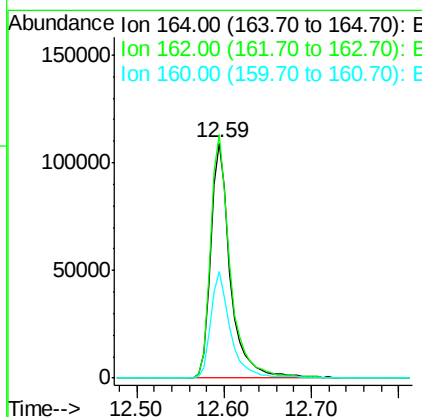
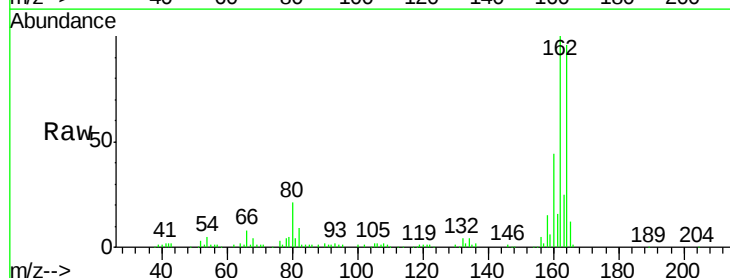
Manual Integrations
APPROVED

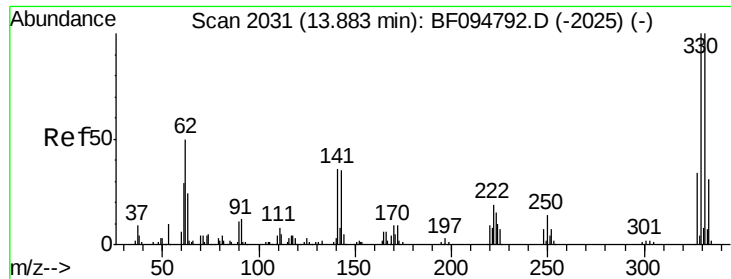
mohammad
5/31/2017 5:02:46 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	170013		
162	103.7	82.6	123.8	
160	45.3	36.2	54.2	





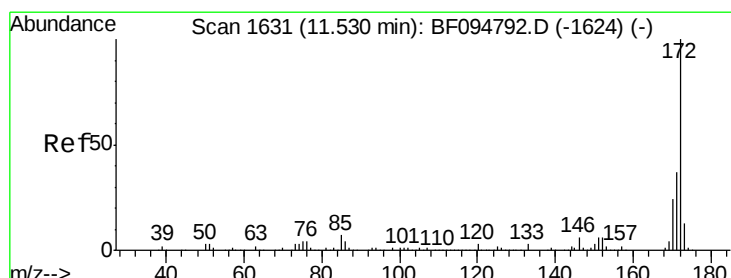
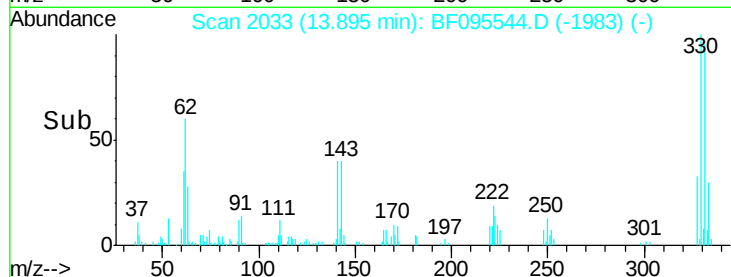
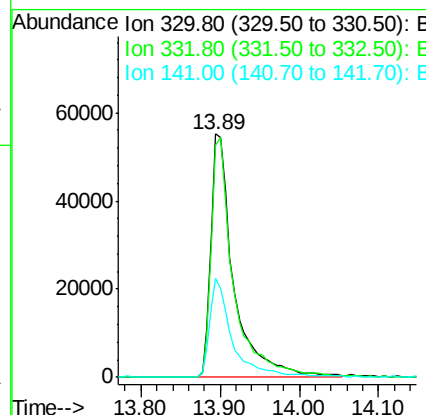
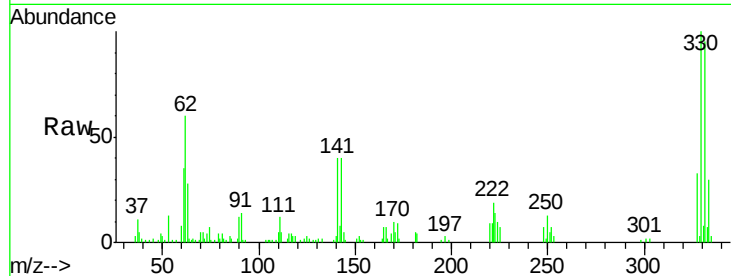
#41
 2,4,6-Tribromophenol
 Concen: 80.19 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 NM2-COMP-6-18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	111648		
332	97.0	76.6	115.0	
141	39.8	31.4	47.2	

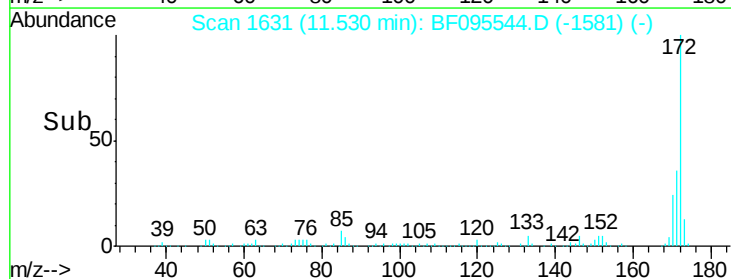
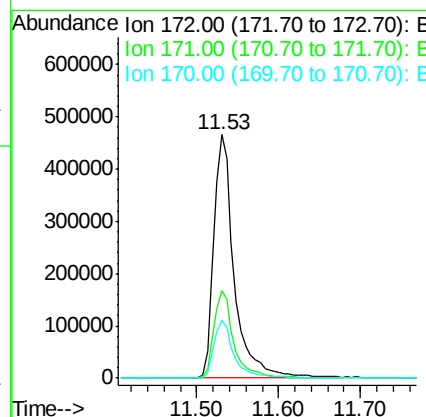
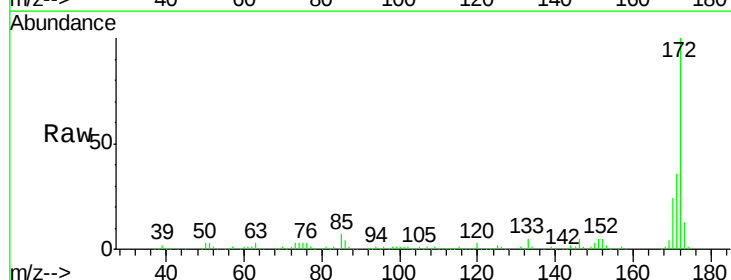
Manual Integrations
 APPROVED

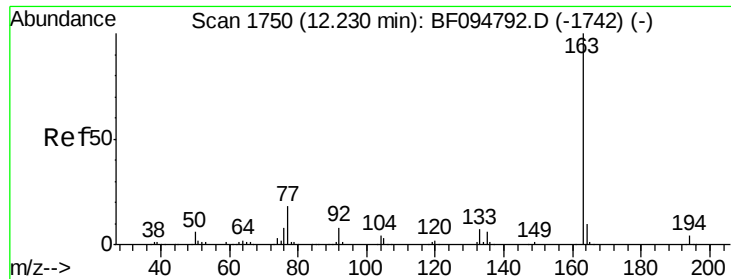
mohammad
 5/31/2017 5:02:46 PM



#44
 2-Fluorobiphenyl
 Concen: 68.61 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	810398		
171	36.2	29.6	44.4	
170	23.7	19.8	29.8	





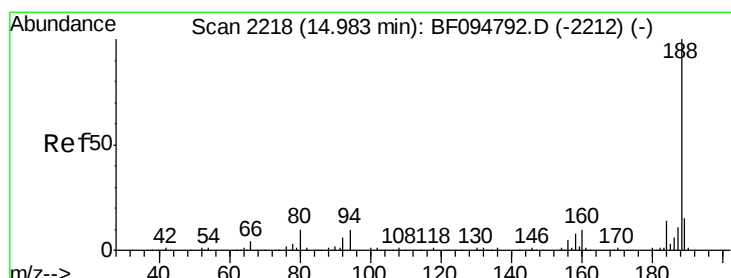
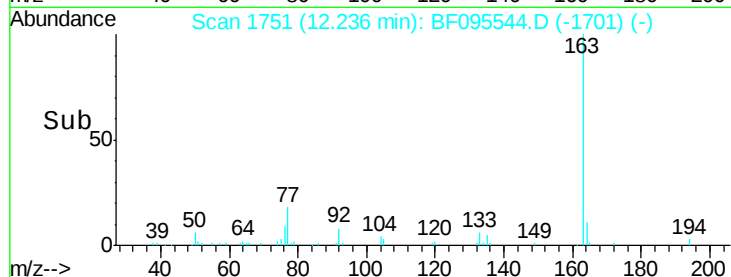
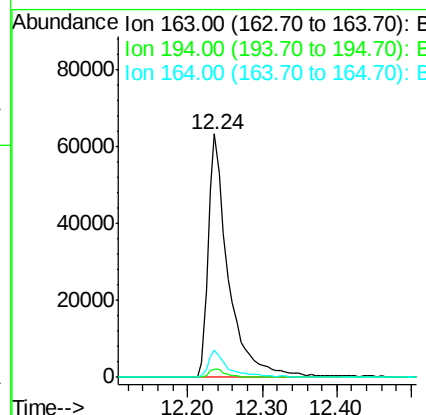
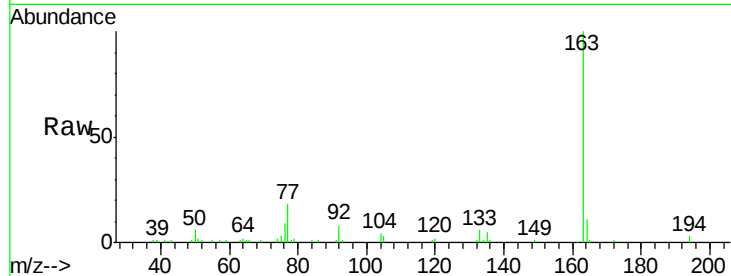
#49
Dimethylphthalate
Concen: 8.57 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampleId :
NM2-COMP-6-18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	119582		
194	3.5	2.6	4.0	
164	11.0	8.4	12.6	

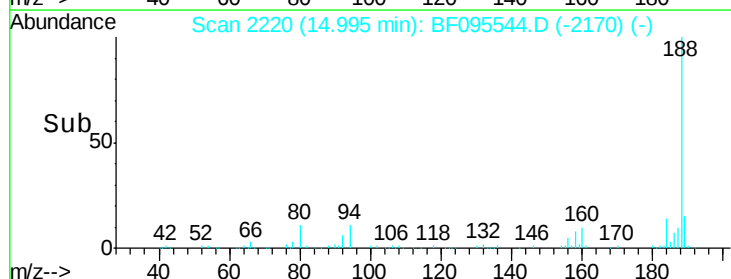
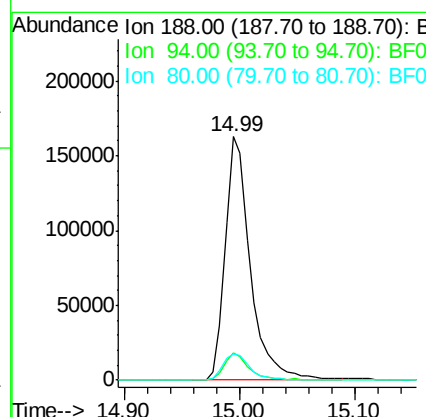
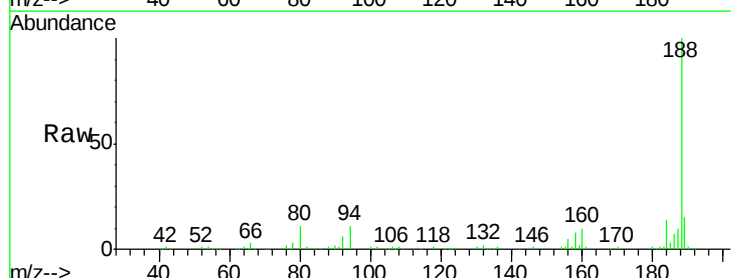
Manual Integrations
APPROVED

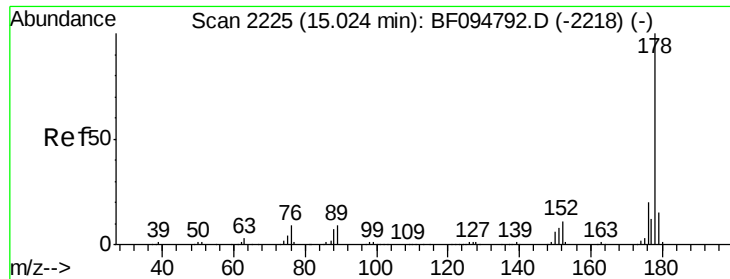
mohammad
5/31/2017 5:02:46 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	245817		
94	11.0	9.4	14.2	
80	10.8	10.2	15.2	





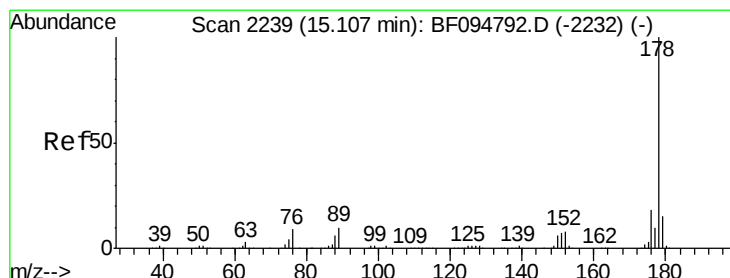
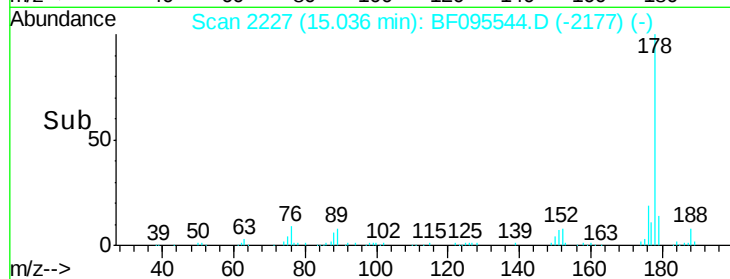
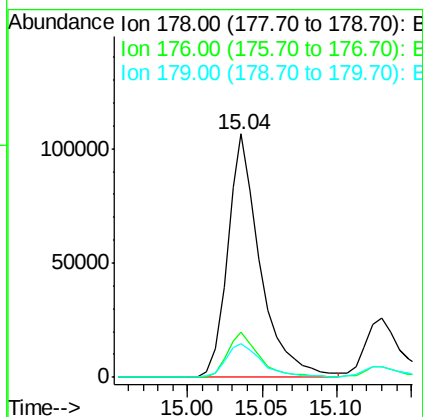
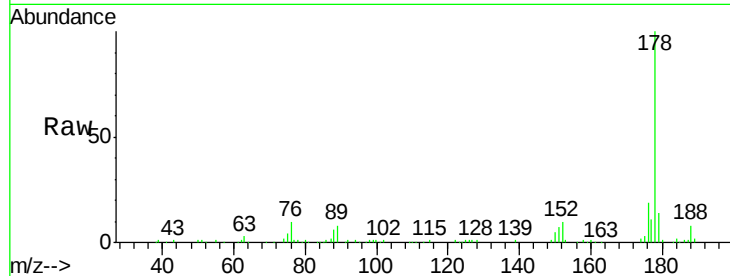
#70
Phenanthrene
Concen: 11.49 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampleId :
NM2-COMP-6-18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	14.0	12.6	19.0

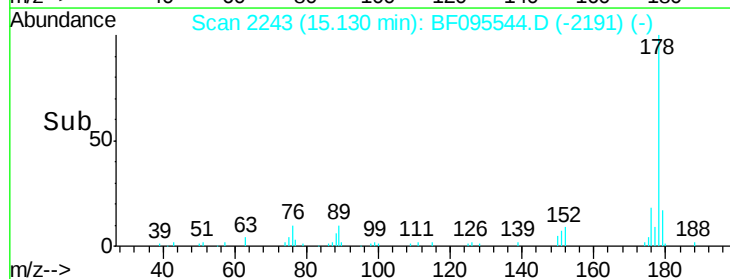
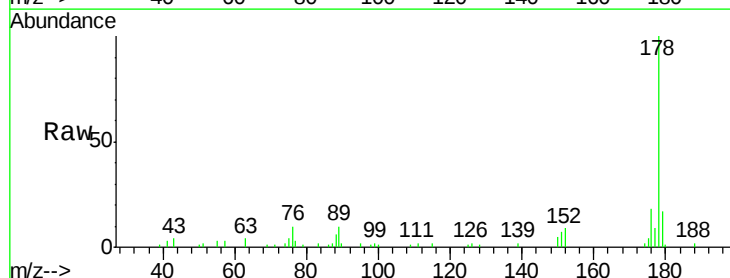
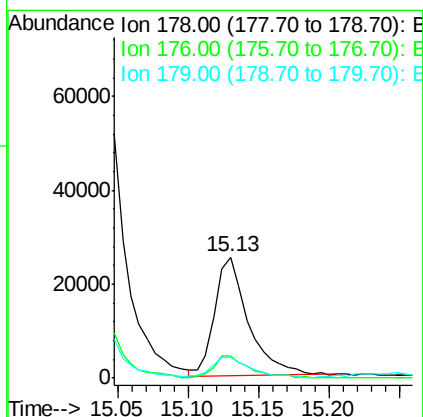
Manual Integrations
APPROVED

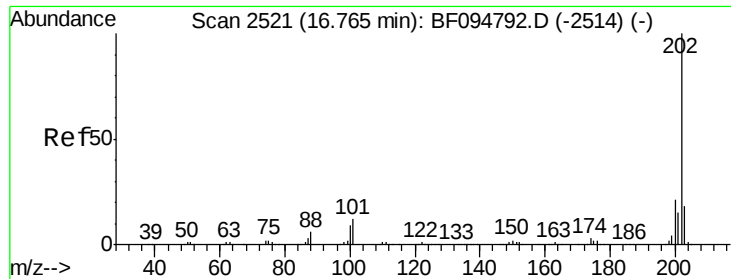
mohammad
5/31/2017 5:02:46 PM



#71
Anthracene
Concen: 2.94 ng
RT: 15.13 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	17.5	12.7	19.1





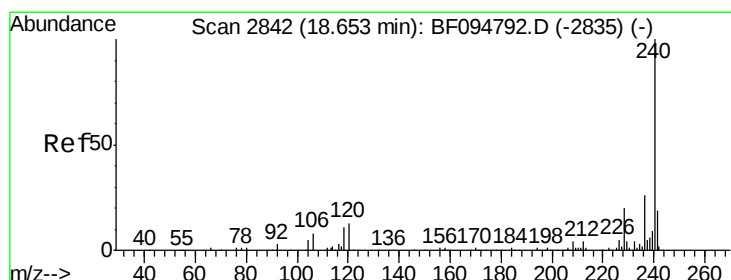
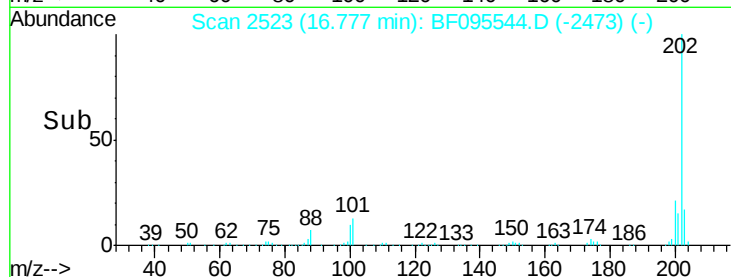
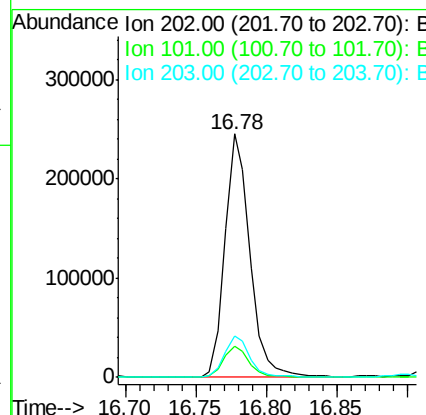
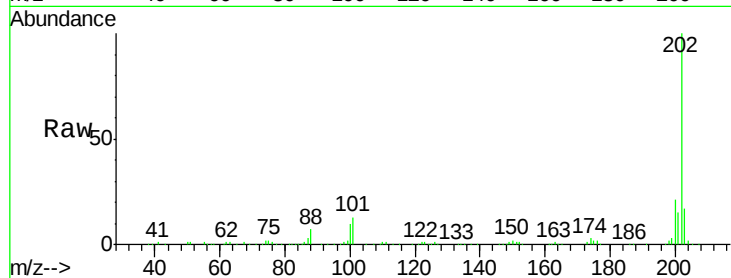
#74
 Fluoranthene
 Concen: 20.94 ng
 RT: 16.78 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 NM2-COMP-6-18

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.1	0.0	33.2
203	17.2	0.0	38.1

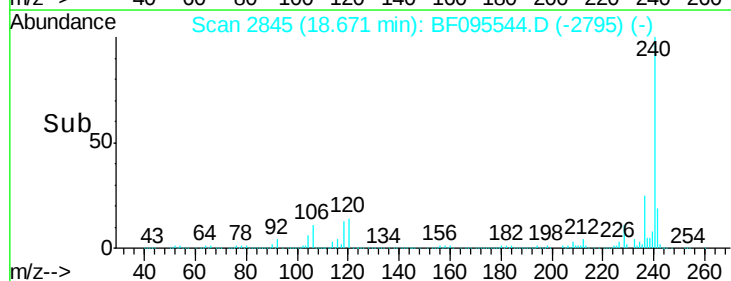
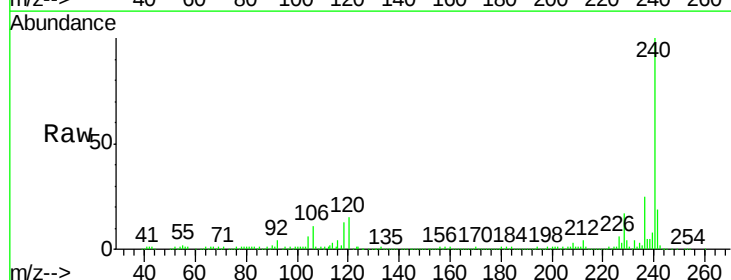
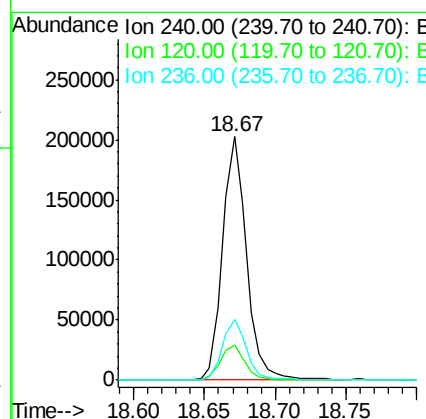
Manual Integrations
 APPROVED

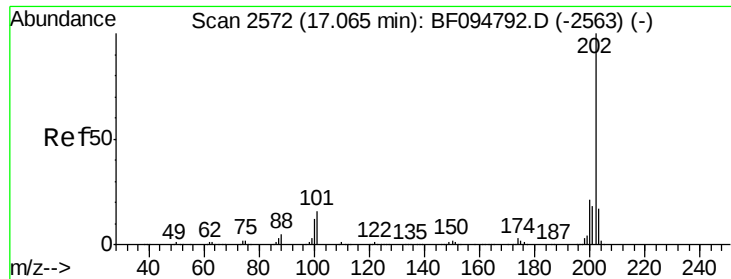
mohammad
 5/31/2017 5:02:46 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.6	5.8	8.8#
236	24.7	20.5	30.7





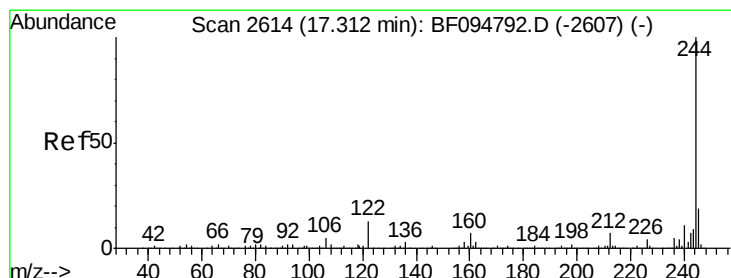
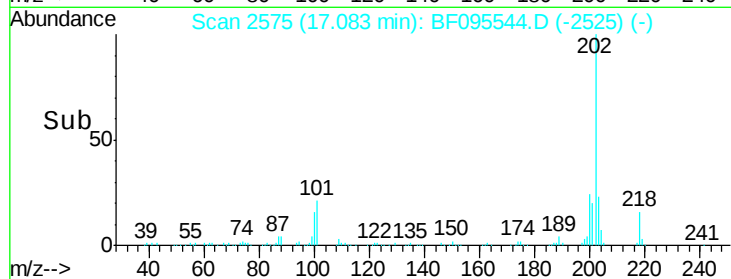
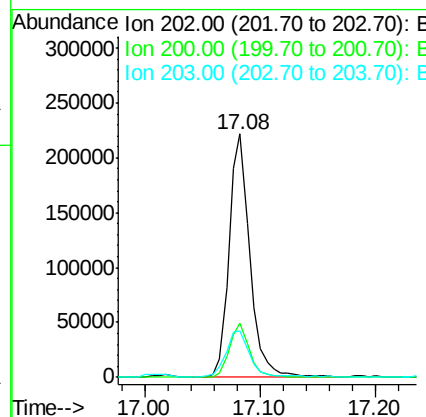
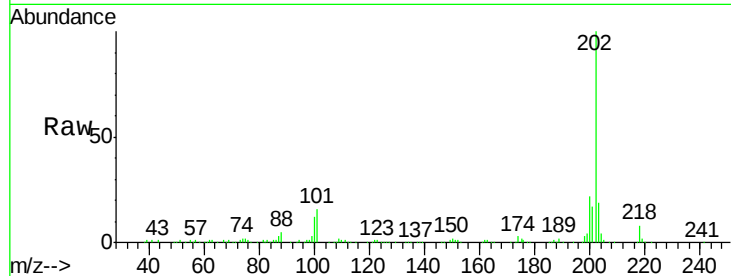
#77
 Pyrene
 Concen: 15.08 ng
 RT: 17.08 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 NM2-COMP-6-18

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.1	17.6	26.4
203	19.3	14.4	21.6

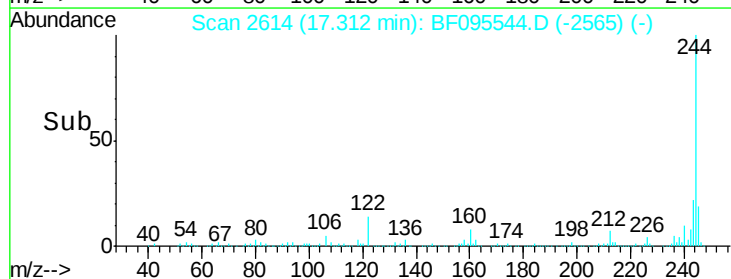
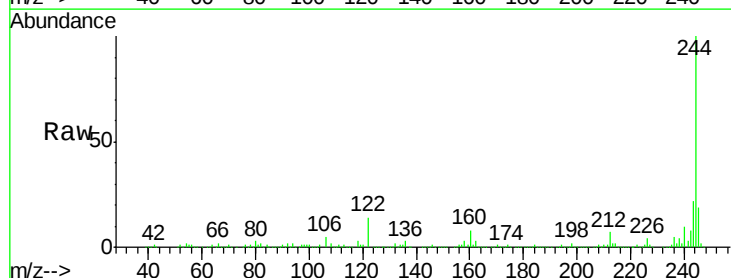
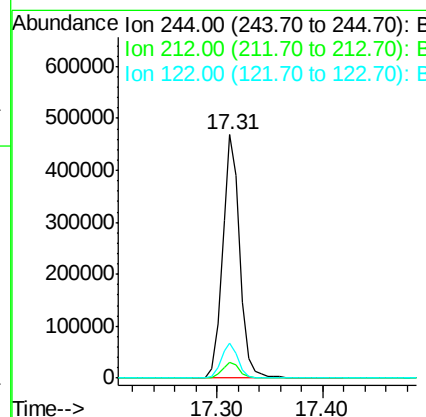
Manual Integrations
 APPROVED

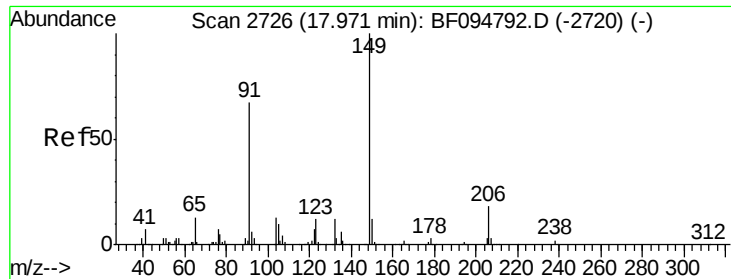
mohammad
 5/31/2017 5:02:46 PM



#78
 Terphenyl-d14
 Concen: 48.84 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	6.0	9.0
122	14.5	10.3	15.5





#79

Butylbenzylphthalate

Concen: 8.93 ng

RT: 17.97 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

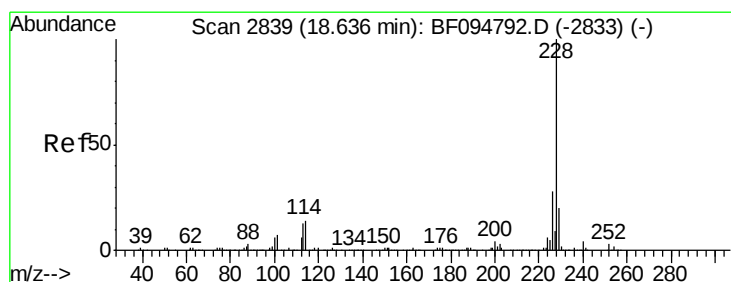
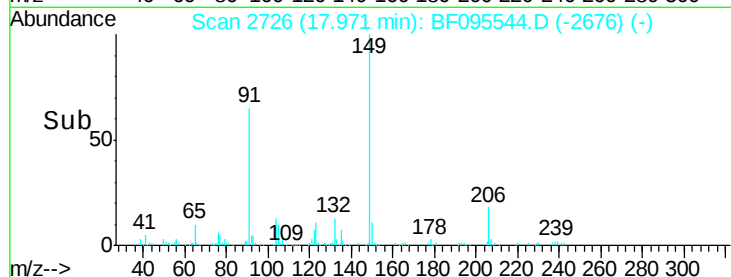
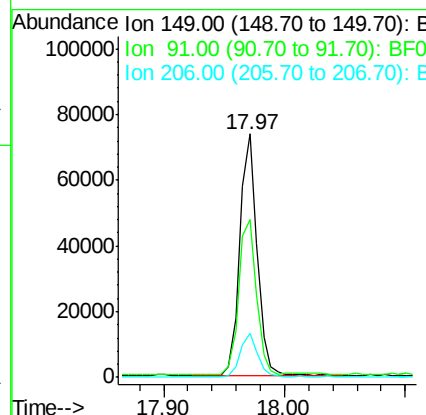
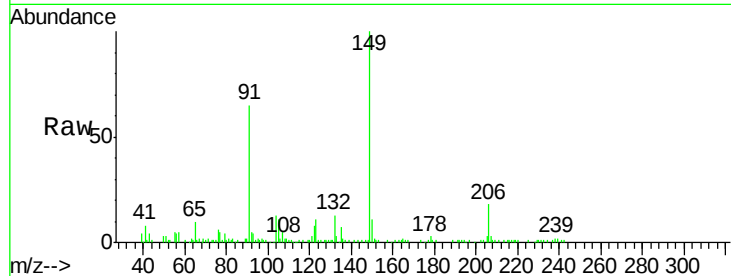
ClientSampleId :

NM2-COMP-6-18

Tgt Ion:	149	Resp:	74827
Ion Ratio	Lower	Upper	
149	100		
91	65.1	45.0	67.4
206	17.8	17.0	25.6

Manual Integrations
APPROVED

mohammad
5/31/2017 5:02:46 PM



#80

Benzo(a)anthracene

Concen: 9.13 ng

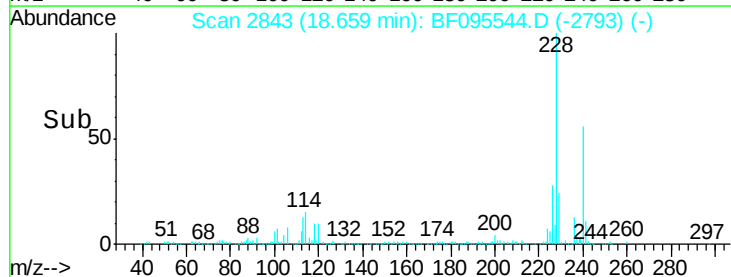
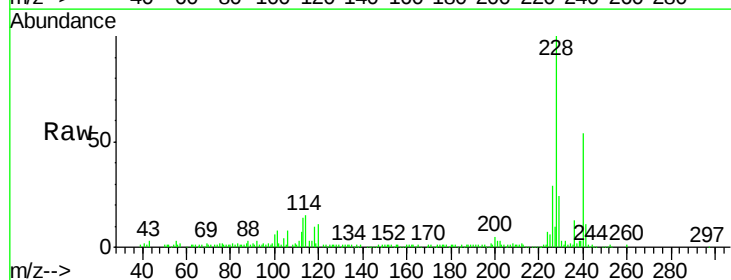
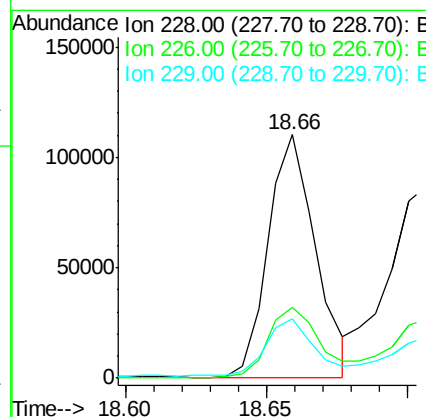
RT: 18.66 min Scan# 2843

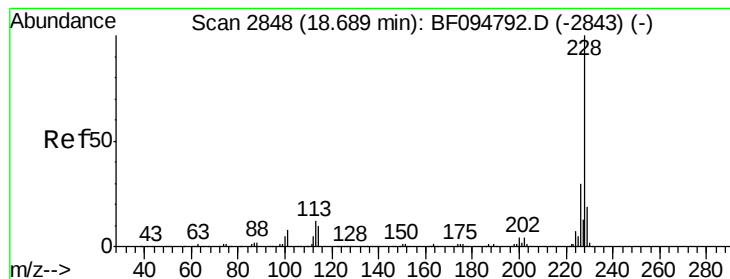
Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Tgt Ion:	228	Resp:	127882
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.6	33.8
229	24.2	16.3	24.5





#82

Chrysene

Concen: 9.73 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

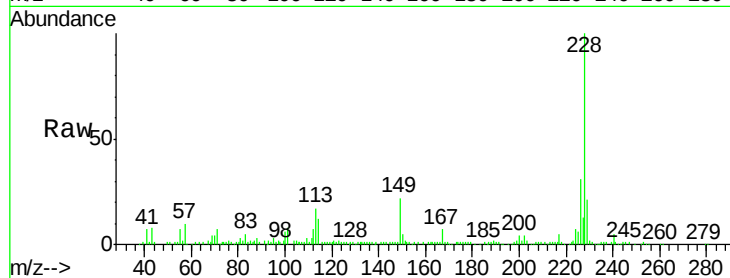
ClientSampleId :

NM2-COMP-6-18

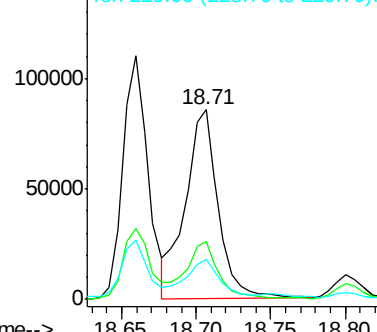
Tgt Ion:	228	Resp:	131843
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	21.5	15.8	23.6

Manual Integrations
APPROVED

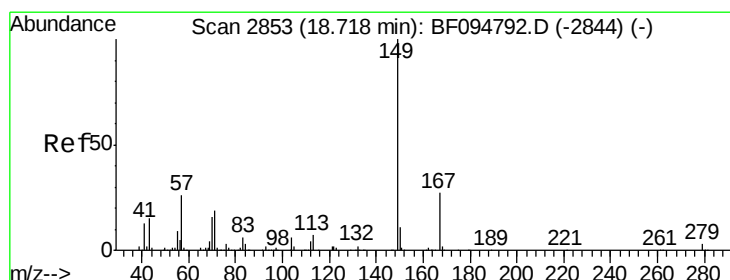
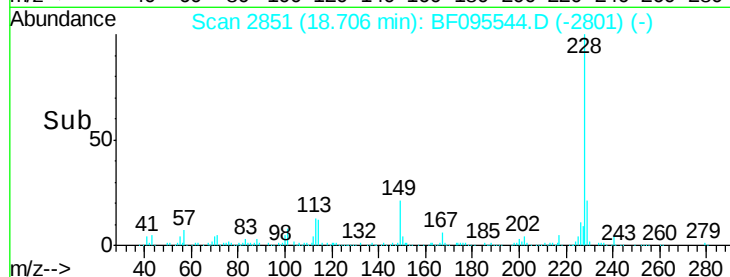
mohammad
5/31/2017 5:02:46 PM



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-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.38 ng

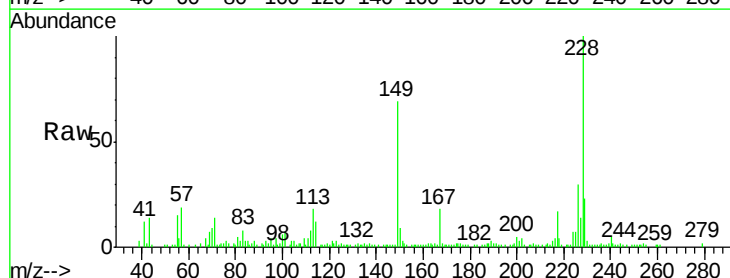
RT: 18.71 min Scan# 2852

Delta R.T. -0.01 min

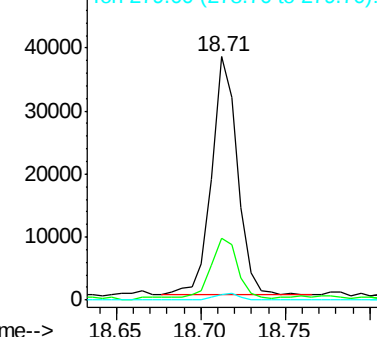
Lab File: BF095544.D

Acq: 30 May 2017 19:52

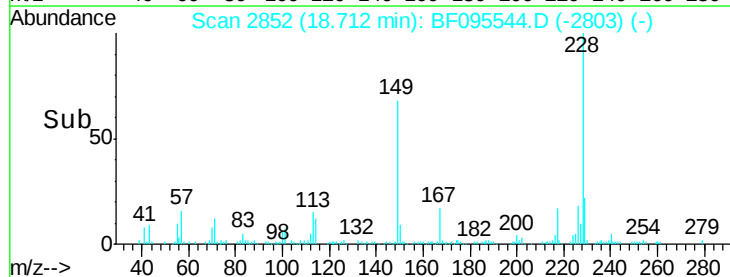
Tgt Ion:	149	Resp:	40352
Ion Ratio	Lower	Upper	
149	100		
167	25.4	21.0	31.4
279	2.2	1.9	2.9

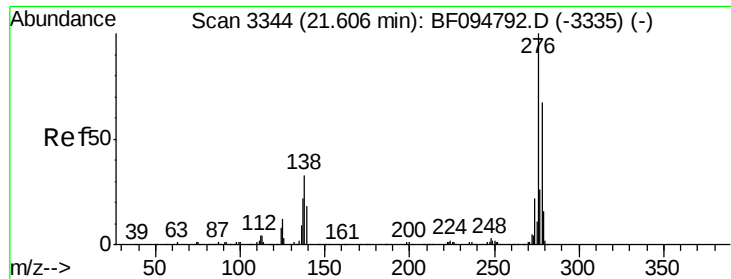


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





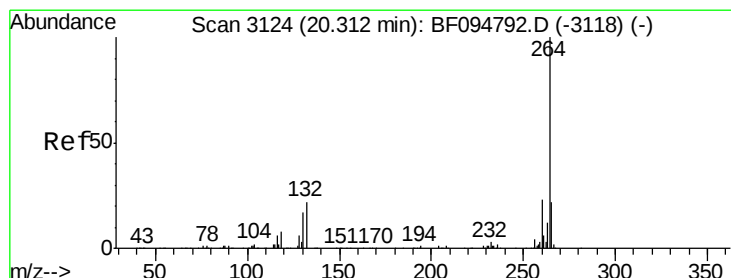
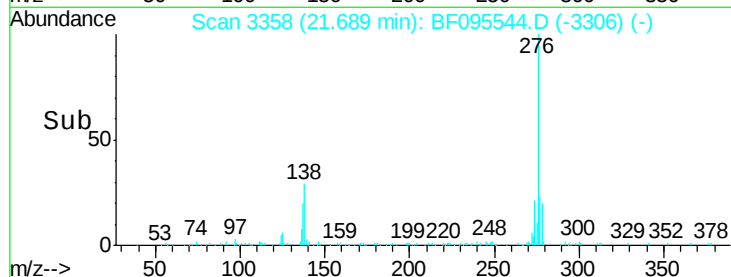
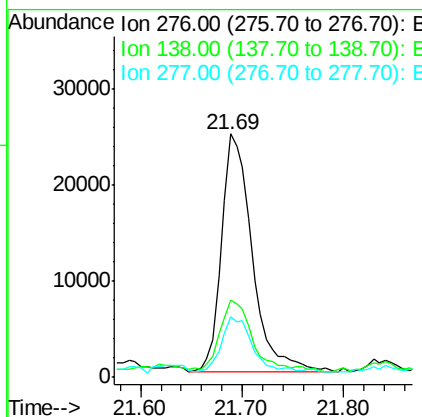
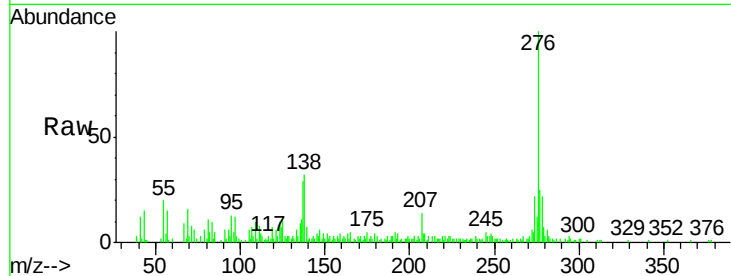
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.69 ng
 RT: 21.69 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 NM2-COMP-6-18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	23.2	20.2	30.4

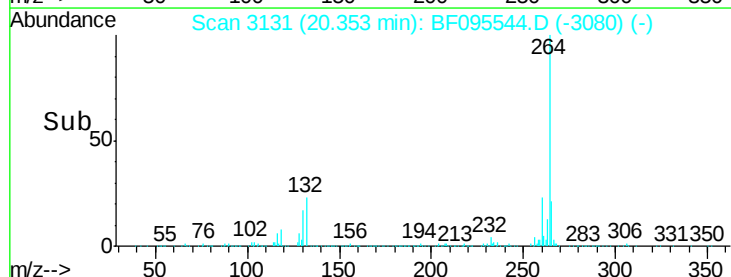
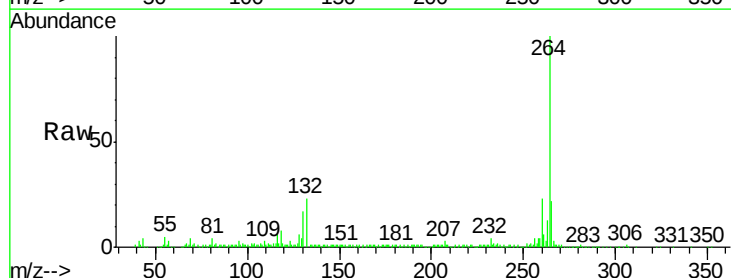
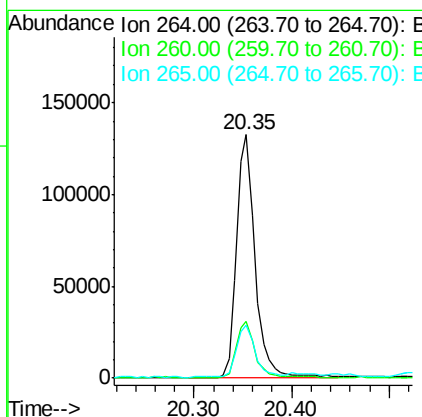
Manual Integrations
 APPROVED

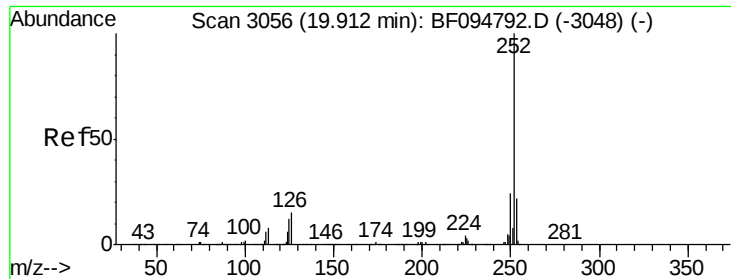
mohammad
 5/31/2017 5:02:46 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. 0.00 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.41 ng m

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

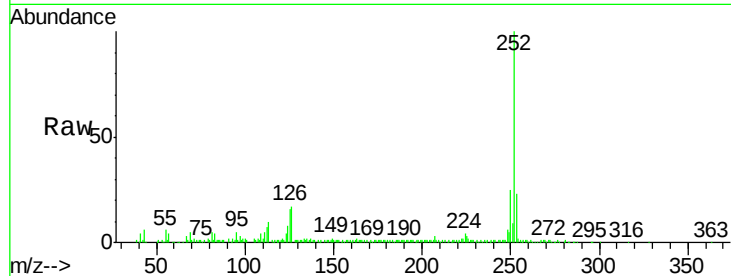
ClientSampleId :

NM2-COMP-6-18

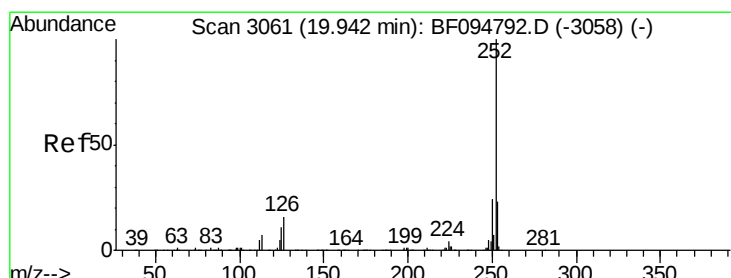
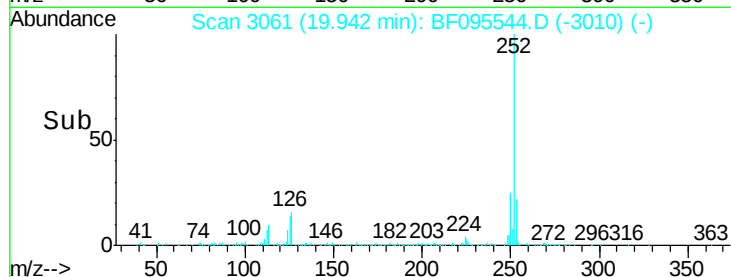
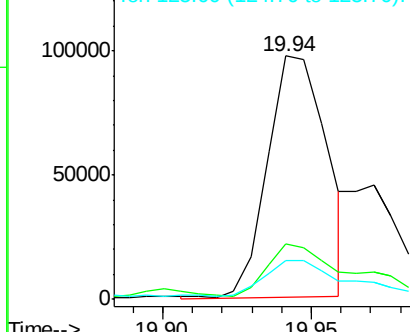
Tgt Ion:	252	Resp:	134927
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	16.1	9.8	14.8#

Manual Integrations
APPROVED

mohammad
5/31/2017 5:02:46 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: 5.19 ng m

RT: 19.97 min Scan# 3066

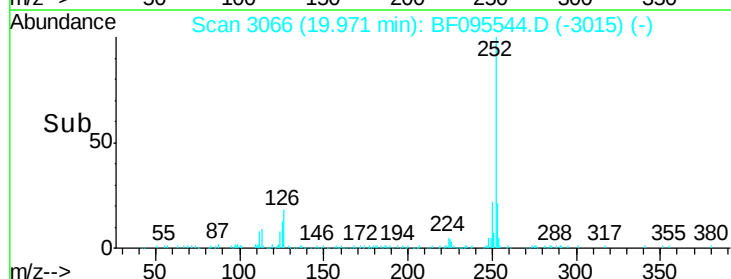
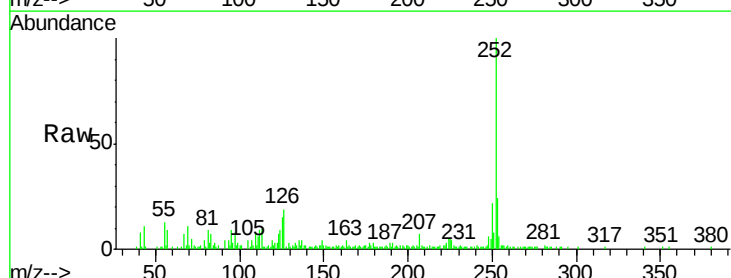
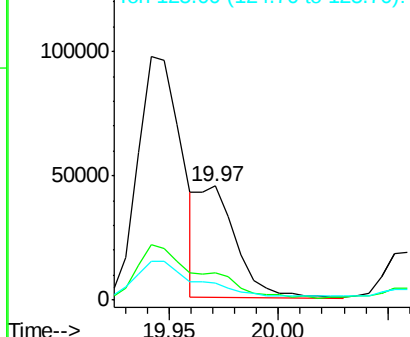
Delta R.T. 0.00 min

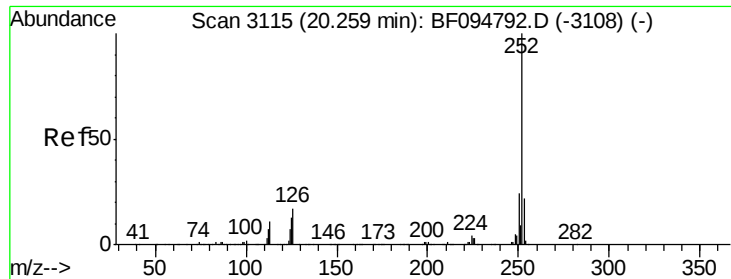
Lab File: BF095544.D

Acq: 30 May 2017 19:52

Tgt Ion:	252	Resp:	54366
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	15.5	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





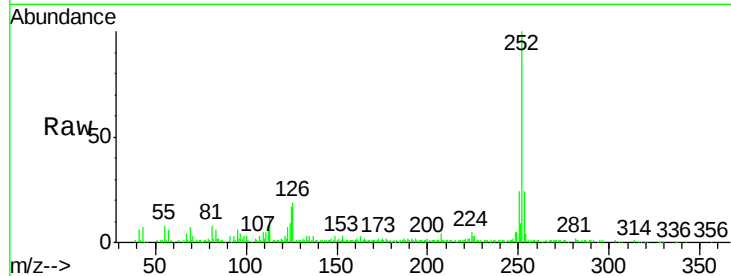
#89
Benzo(a)pyrene
Concen: 9.99 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampleId :
NM2-COMP-6-18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	100147		
253	24.0	17.5	26.3	
125	17.3	11.0	16.4	

Manual Integrations
APPROVED

mohammad
5/31/2017 5:02:46 PM

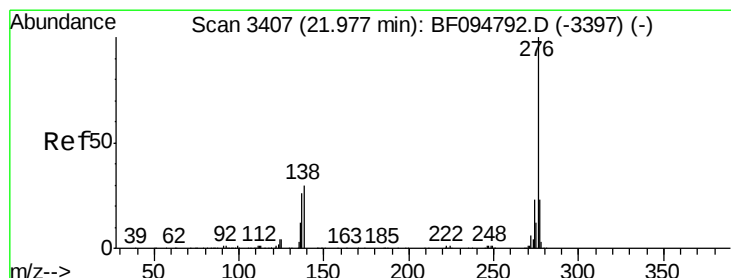
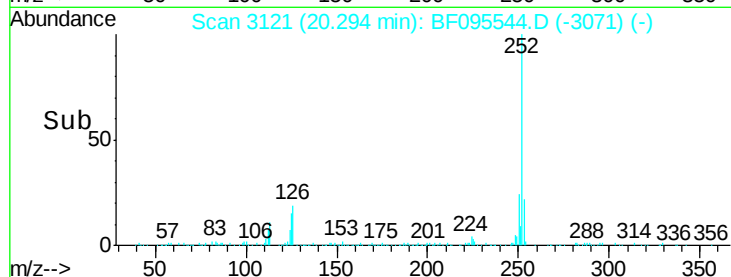
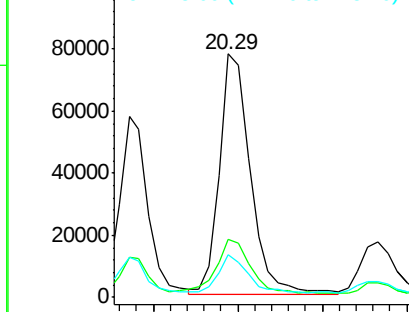


Abundance

Ion 252.00 (251.70 to 252.70): E

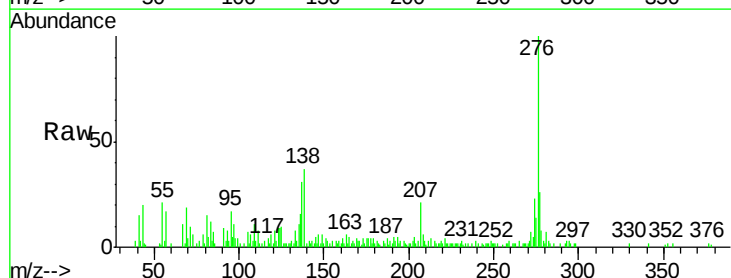
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.28 ng
RT: 22.08 min Scan# 3425
Delta R.T. 0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	51080		
277	25.7	18.6	28.0	
138	37.1	25.4	38.0	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

