

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098242.D
 Acq On : 1 Sep 2017 22:23
 Operator : SJ/JU
 Sample : I5046-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-342

Manual Integrations
 APPROVED

mohammad
 9/5/2017 5:22:36 PM

Quant Time: Sep 02 00:24:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121903	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	467938	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	181906	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	279189	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	265571	20.00	ng	-0.03
86) Perylene-d12	15.28	264	183651	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	935801	116.77	ng	-0.01
7) Phenol-d6	6.37	99	1267761	116.42	ng	-0.01
23) Nitrobenzene-d5	7.29	82	757355	87.92	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	182380	115.55	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1003954	81.09	ng	-0.03
78) Terphenyl-d14	12.82	244	659462	51.78	ng	-0.03
Target Compounds						
10) Phenol	6.38	94	28964	2.274	ng	Qvalue 92
49) Dimethylphthalate	9.47	163	161036	12.111	ng	98
70) Phenanthrene	11.26	178	74651	5.018	ng	99
74) Fluoranthene	12.44	202	179875	11.584	ng	98
77) Pyrene	12.67	202	166883	7.683	ng	97
79) Butylbenzylphthalate	13.29	149	34858	4.186	ng	# 70
80) Benzo(a)anthracene	13.86	228	94636	5.946	ng	98
82) Chrysene	13.89	228	93156	5.883	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	58228	6.310	ng	98
85) Indeno(1,2,3-cd)pyrene	16.64	276	32734	2.810	ng	94
87) Benzo(b)fluoranthene	14.88	252	109431m	9.453	ng	
88) Benzo(k)fluoranthene	14.90	252	47244m	4.344	ng	
89) Benzo(a)pyrene	15.22	252	66515	6.491	ng	99
91) Benzo(a,h,i)perylene	17.06	276	32792	3.767	ng	94

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

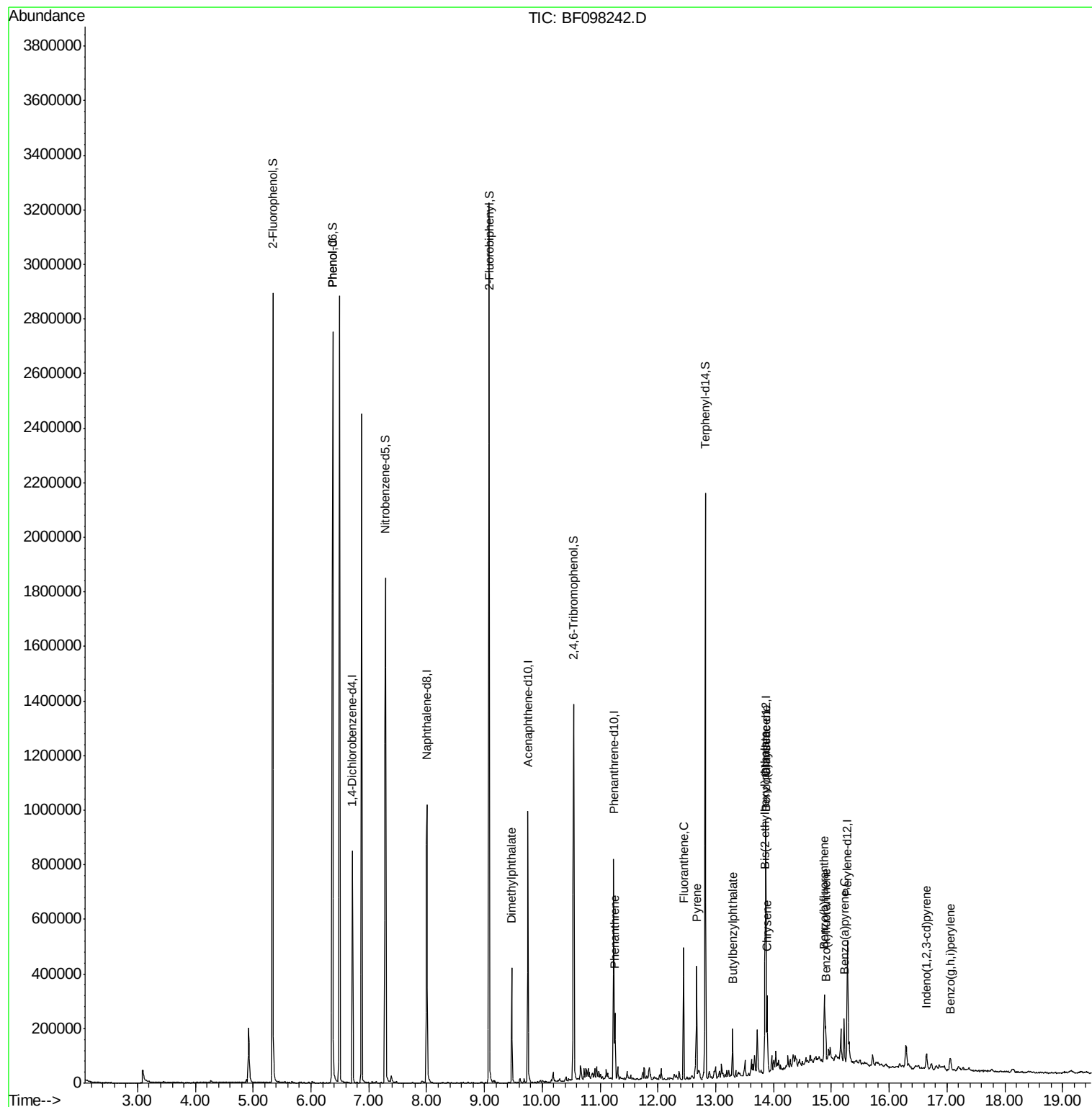
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098242.D
Acq On : 1 Sep 2017 22:23
Operator : SJ/JU
Sample : I5046-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

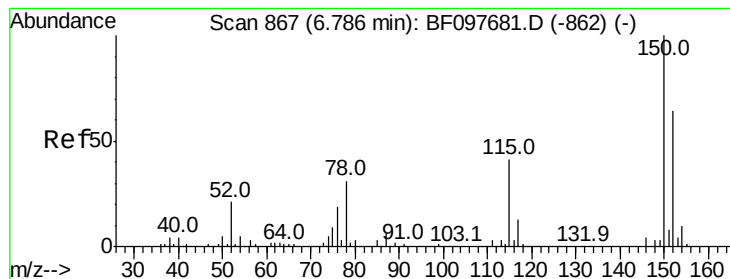
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Manual Integrations
APPROVED

mohammad
9/5/2017 5:22:36 PM

Quant Time: Sep 02 00:24:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration





#1

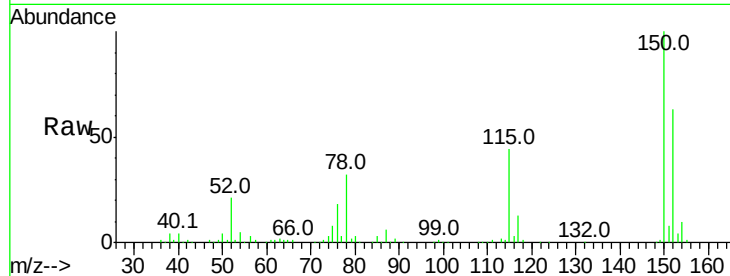
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	69.7	52.2	78.2

Manual Integrations
APPROVED

mohammad
9/5/2017 5:22:36 PM

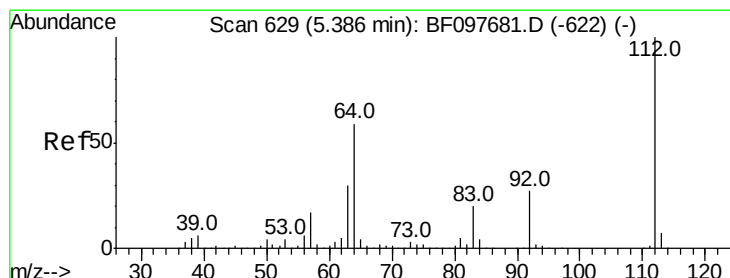
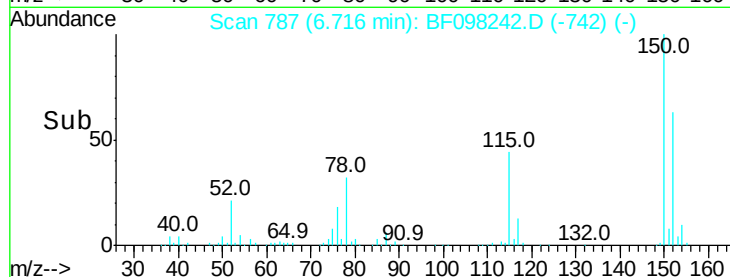
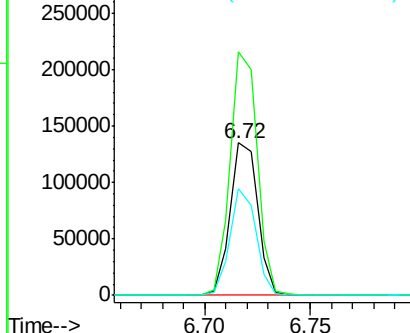


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

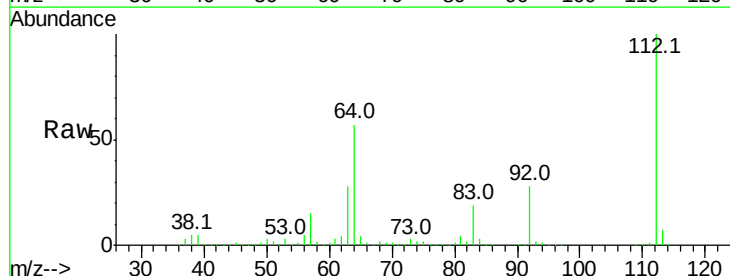
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.767 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.0	69.0
63	27.6	23.4	35.0

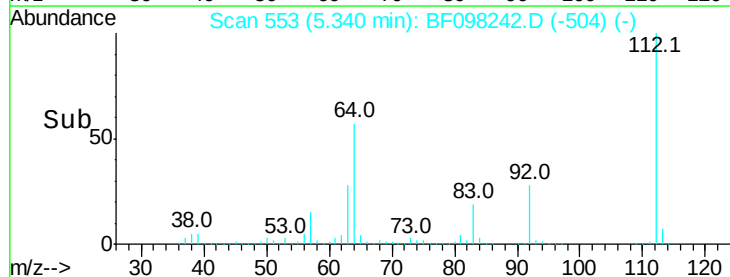
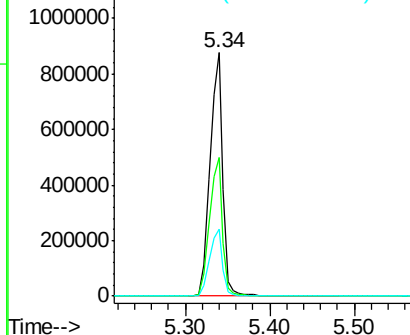


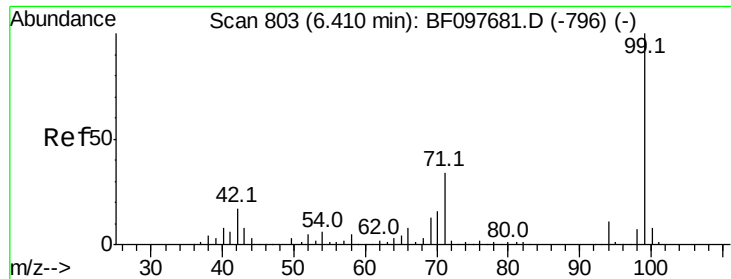
Abundance

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: 116.425 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-342

Tot Ion: 99 Resp: 1267761

Ion Ratio Lower Upper

99 100

42 13.8 13.5 20.3

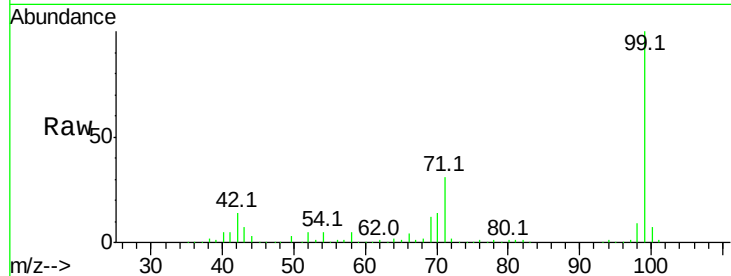
71 31.3 24.5 36.7

Manual Integrations

APPROVED

mohammad

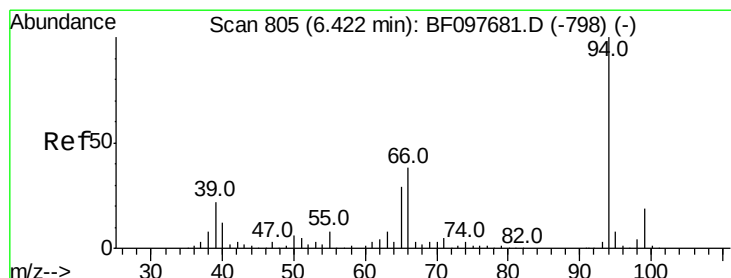
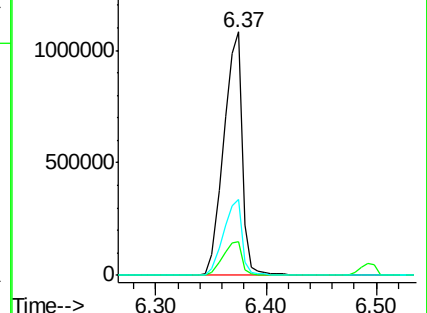
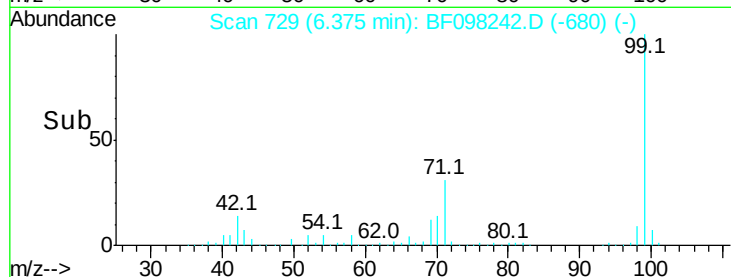
9/5/2017 5:22:36 PM



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



#10

Phenol

Concen: 2.274 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

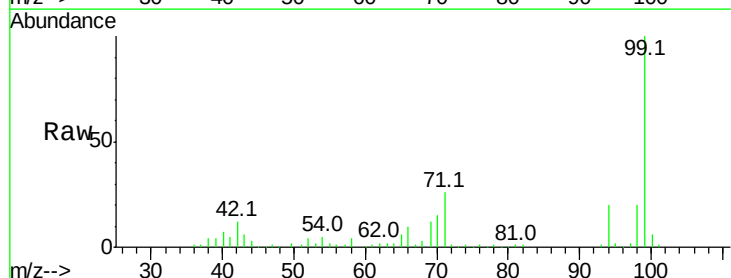
Tgt Ion: 94 Resp: 28964

Ion Ratio Lower Upper

94 100

65 30.0 9.9 49.9

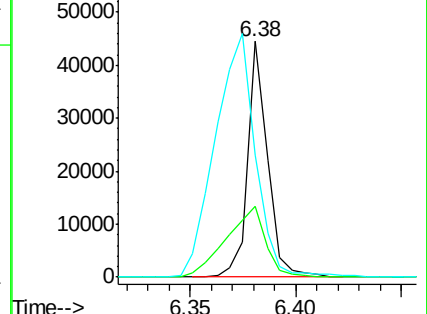
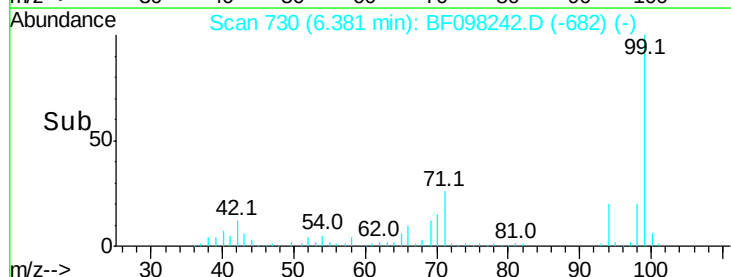
66 51.9 23.1 63.1

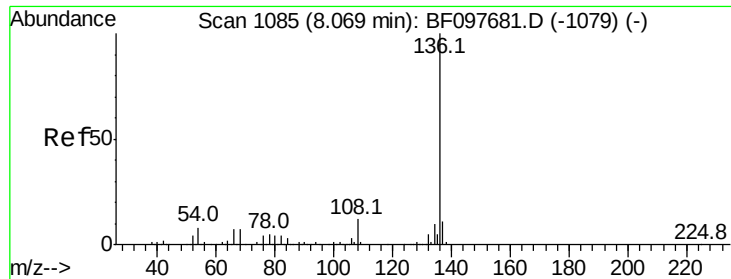


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Instrument :

BNA_F

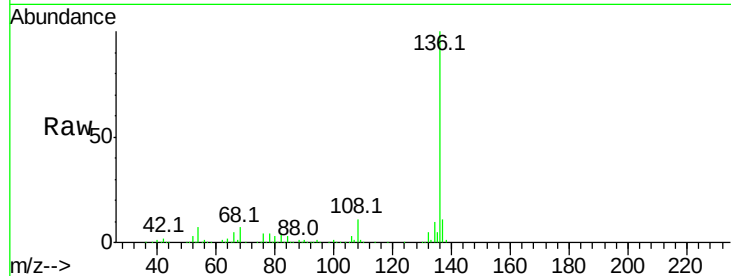
ClientSampleId :

ROLLOFF-342

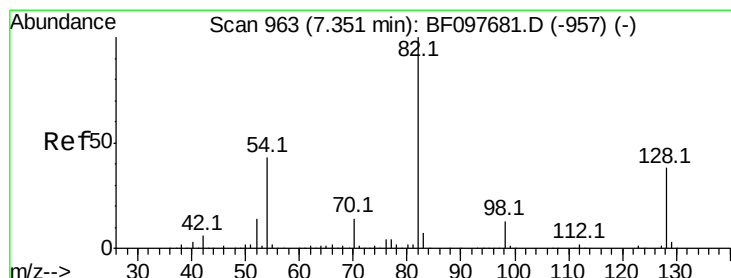
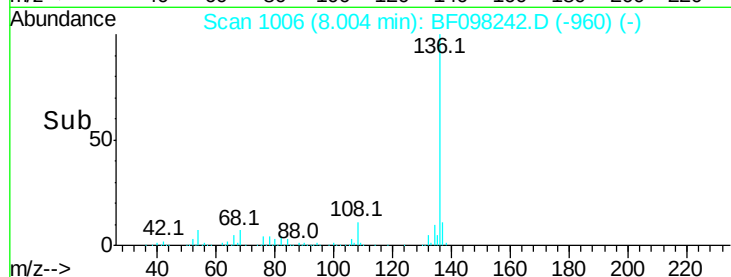
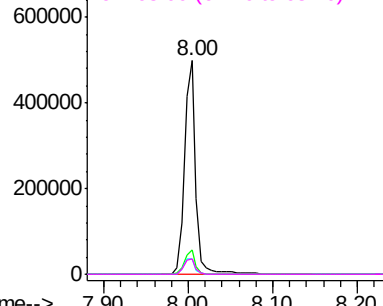
Tot Ion	Ratio	Resp	Lower	Upper
136	100	467938		
137	11.2	8.5	12.7	
54	7.2	4.9	7.3	
68	7.5	4.1	6.1	

Manual Integrations
APPROVED

mohammad
9/5/2017 5:22:36 PM



Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 87.924 ng

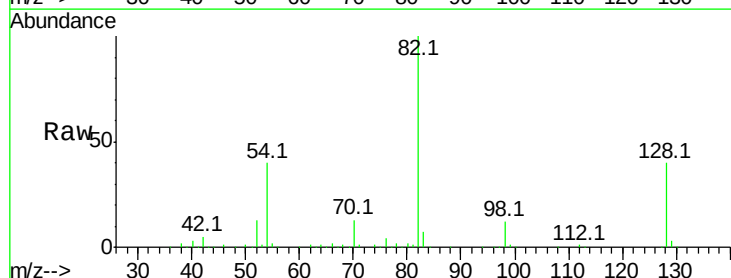
RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

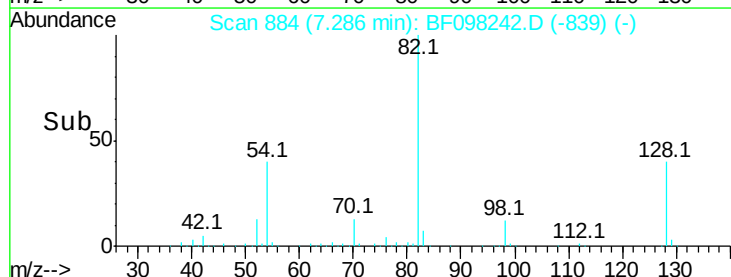
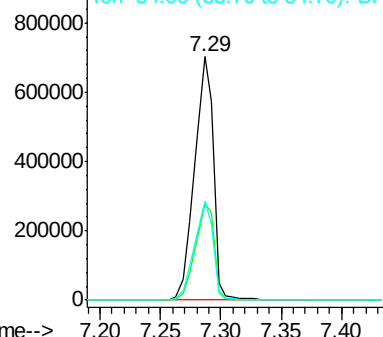
Lab File: BF098242.D

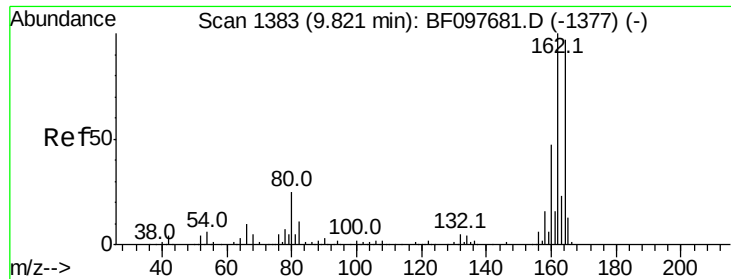
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	757355		
128	39.7	34.0	51.0	
54	40.4	42.2	63.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0





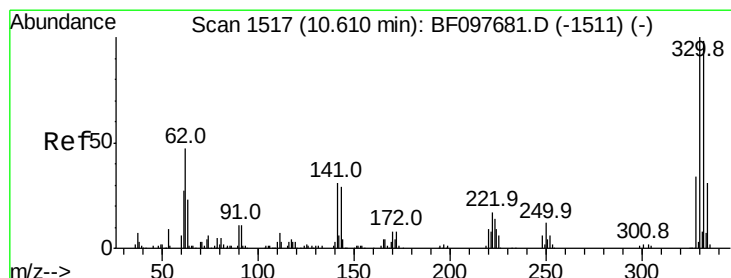
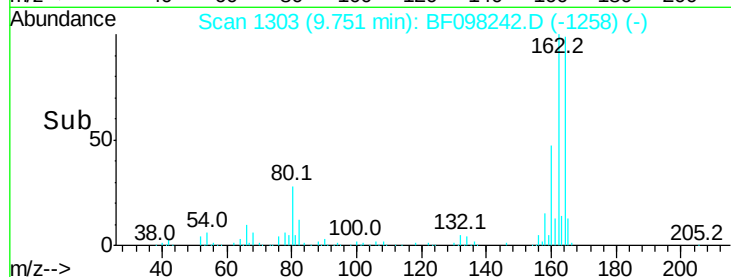
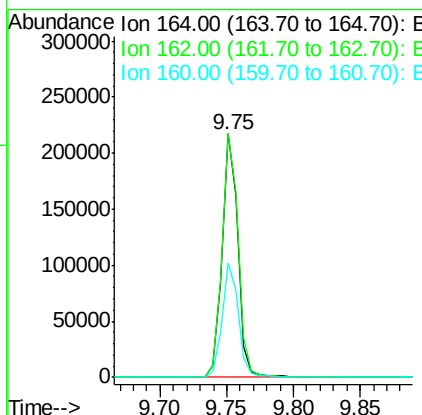
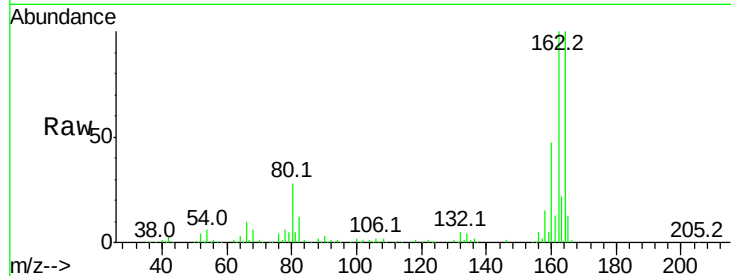
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Resp	Lower	Upper
164	100	181906		
162	99.9	82.6	123.8	
160	47.1	36.2	54.2	

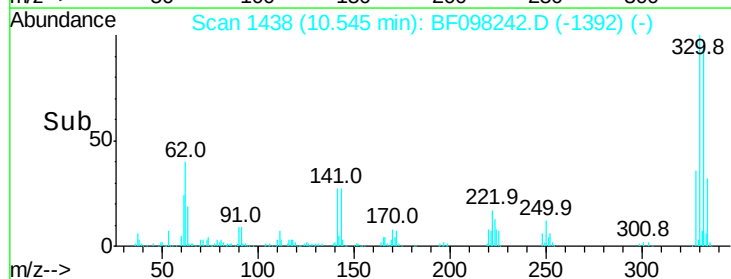
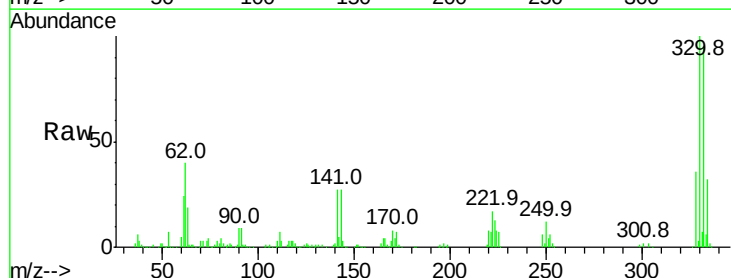
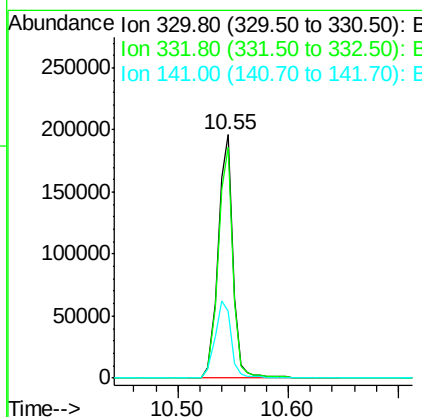
Manual Integrations
APPROVED

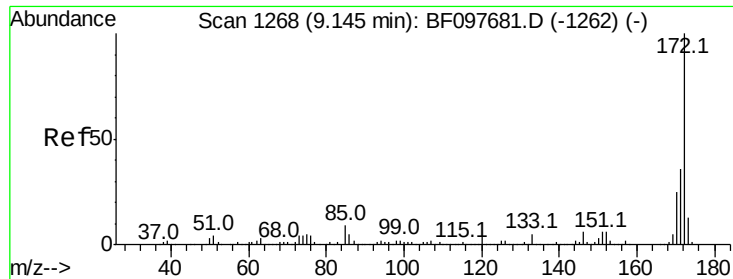
mohammad
9/5/2017 5:22:36 PM



#41
2,4,6-Tribromophenol
Concen: 115.552 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.03 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	182380		
332	95.0	76.6	115.0	
141	34.7	31.4	47.2	





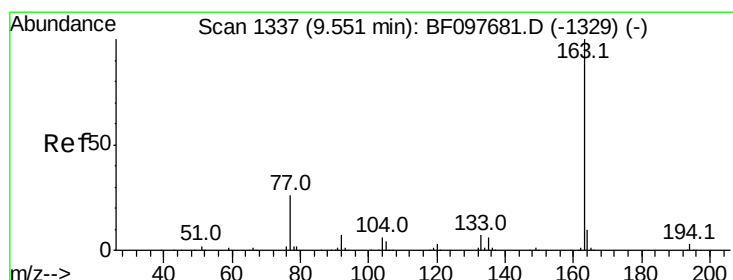
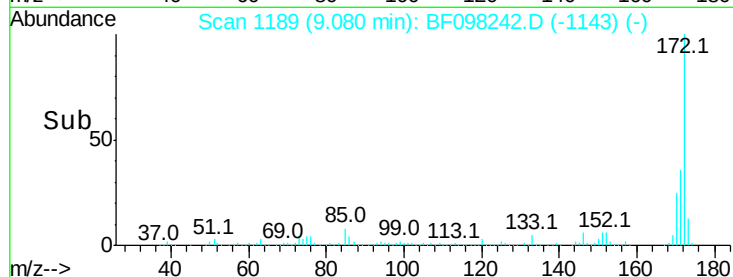
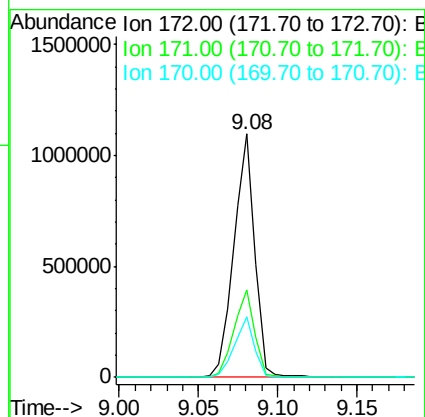
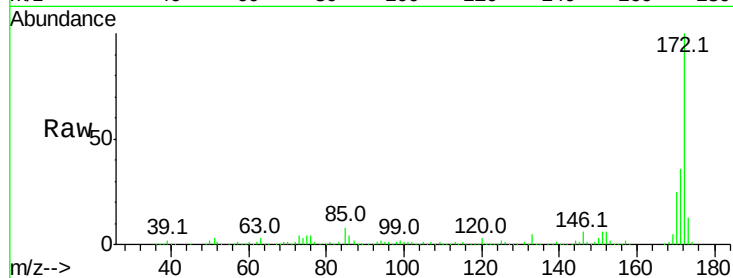
#44
2-Fluorobiphenyl
Concen: 81.087 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.9	19.8	29.8

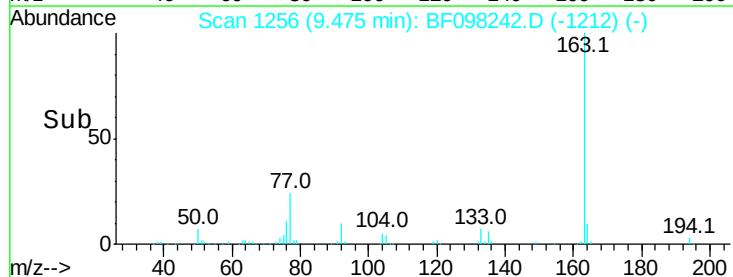
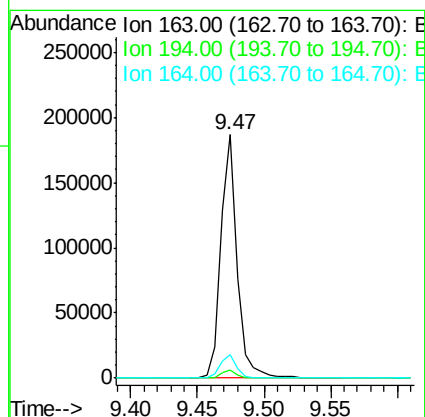
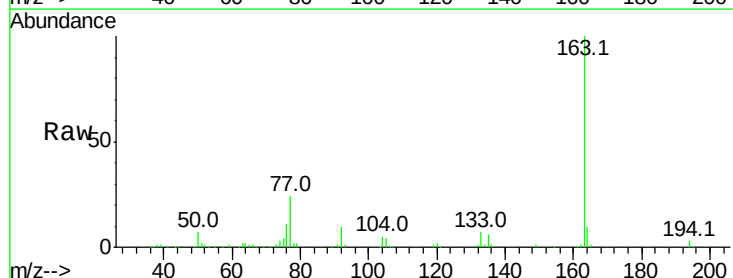
Manual Integrations
APPROVED

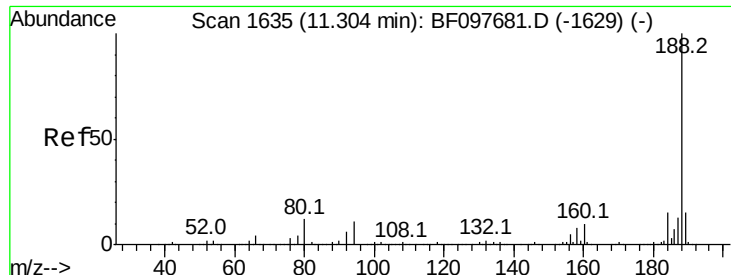
mohammad
9/5/2017 5:22:36 PM



#49
Dimethylphthalate
Concen: 12.111 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.7	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Instrument :

BNA_F

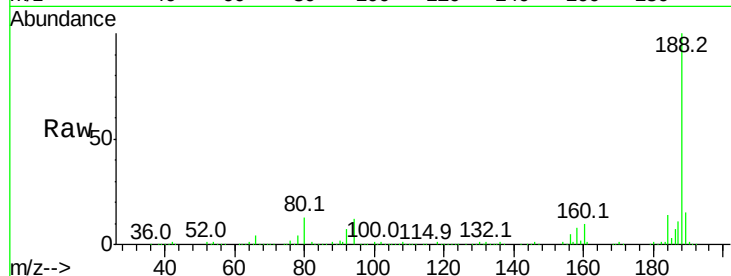
ClientSampleId :

ROLLOFF-342

Tot Ion:	188	Resp:	279189
Ion Ratio	Lower	Upper	
188	100		
94	12.4	9.4	14.2
80	13.0	10.2	15.2

Manual Integrations
APPROVED

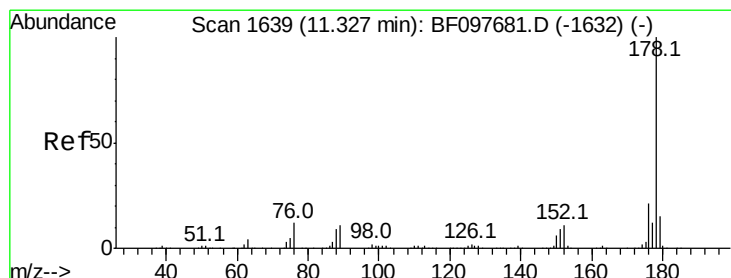
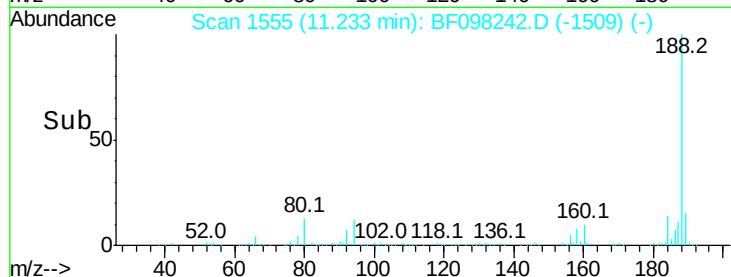
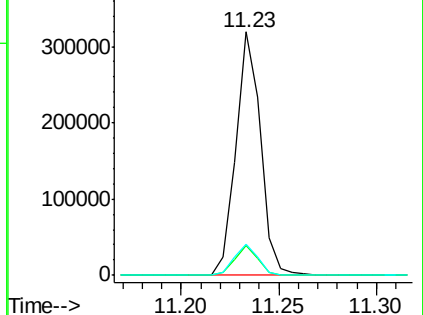
mohammad
9/5/2017 5:22:36 PM



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: 5.018 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.04 min

Lab File: BF098242.D

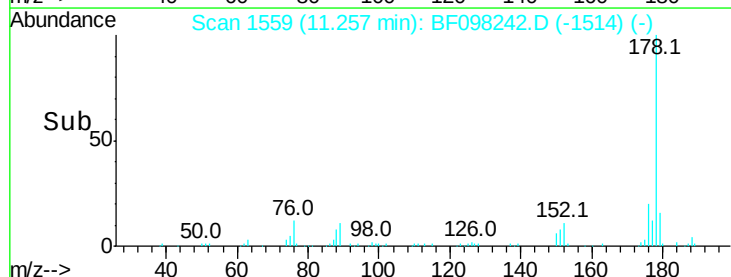
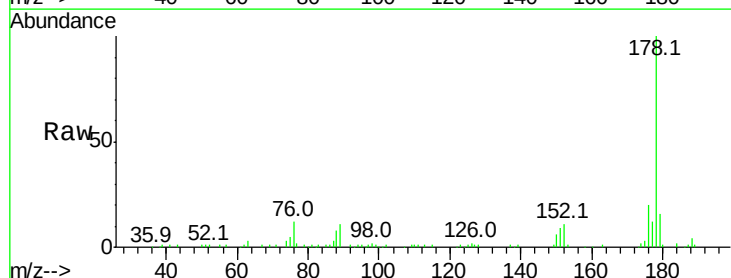
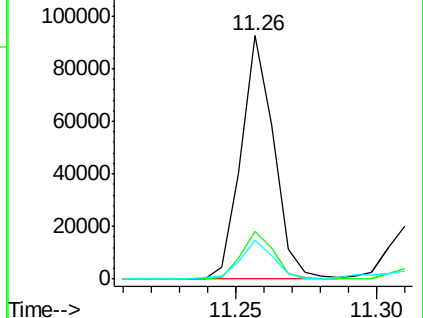
Acq: 1 Sep 2017 22:23

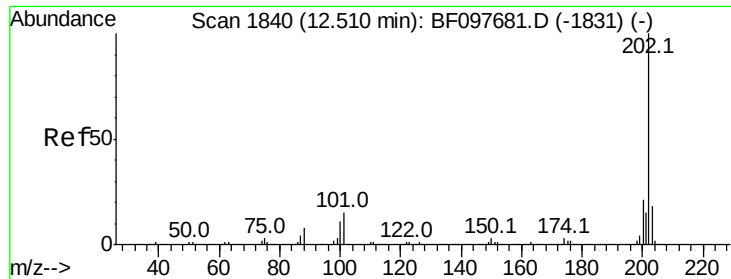
Tgt Ion:	178	Resp:	74651
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	15.7	12.6	19.0

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





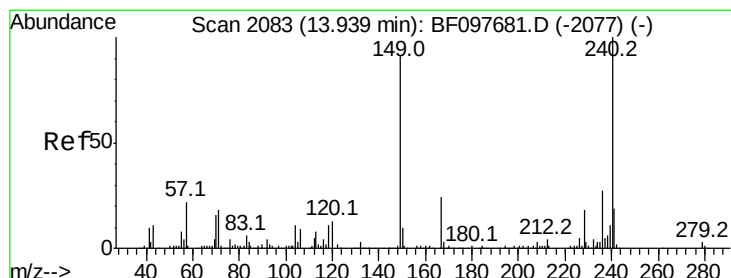
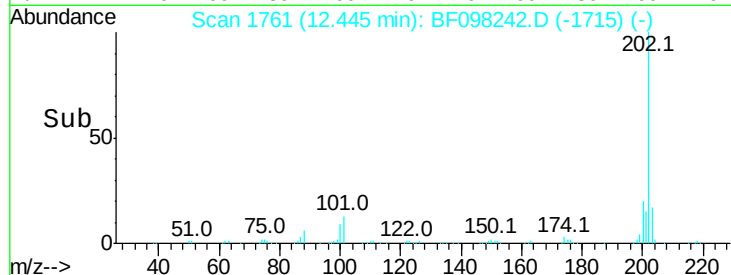
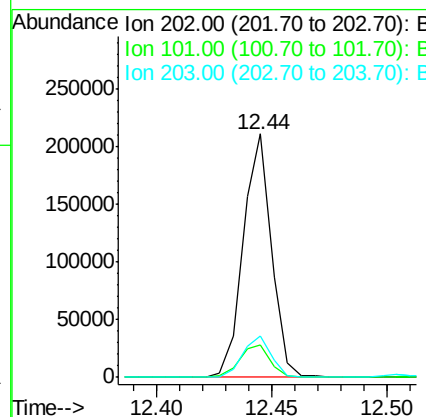
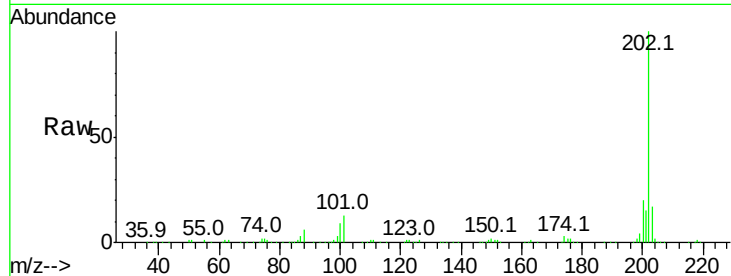
#74
Fluoranthene
Concen: 11.584 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.03 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.8	0.0	38.1

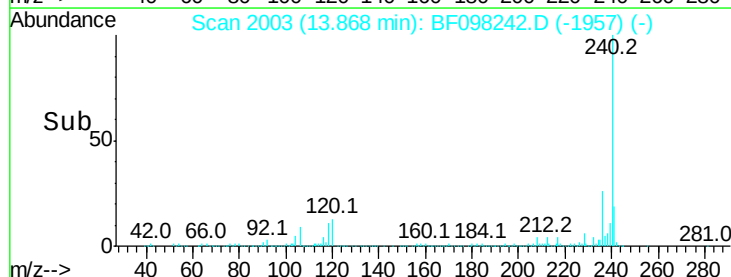
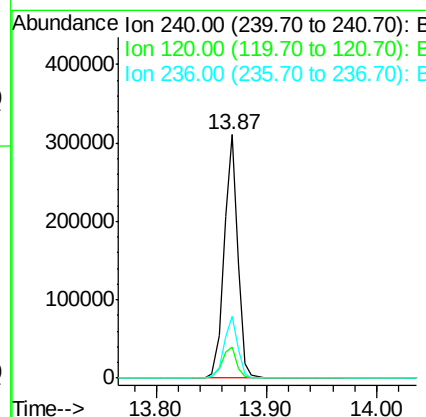
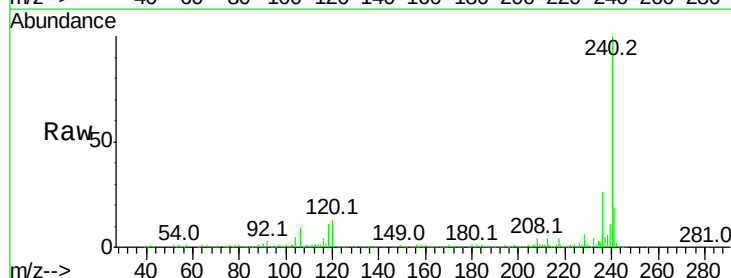
Manual Integrations
APPROVED

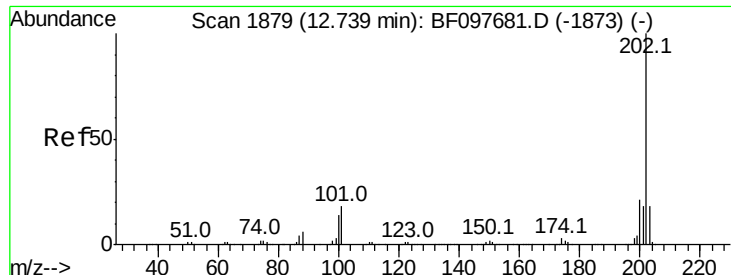
mohammad
9/5/2017 5:22:36 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.03 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	25.6	20.5	30.7





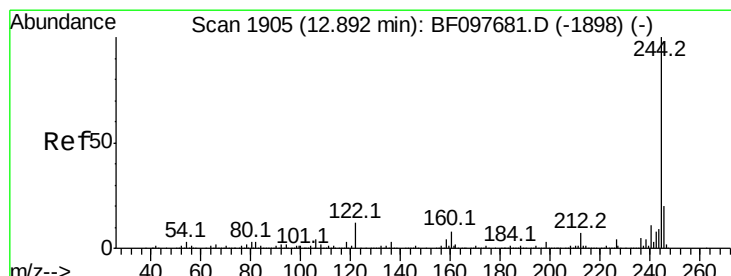
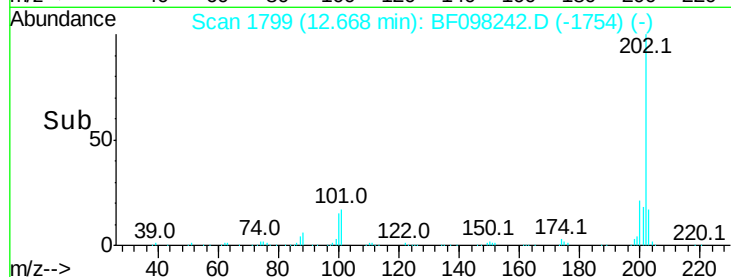
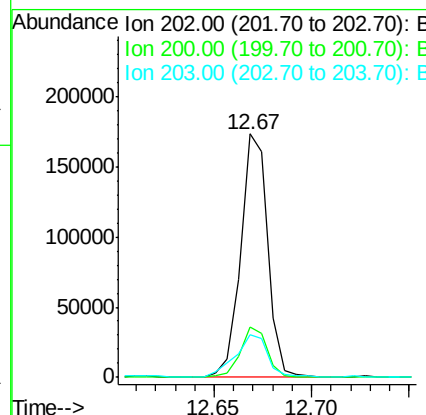
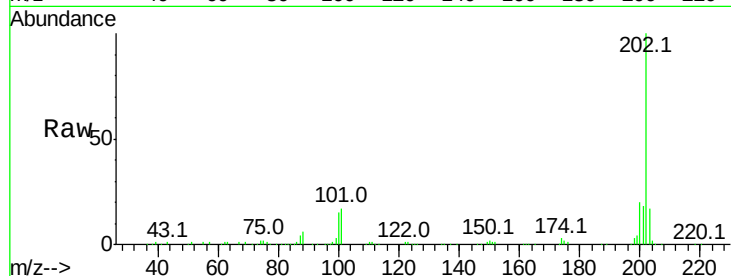
#77
Pvrene
Concen: 7.683 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.04 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.3	14.4	21.6

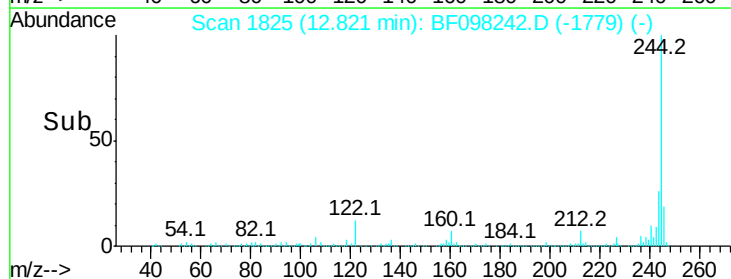
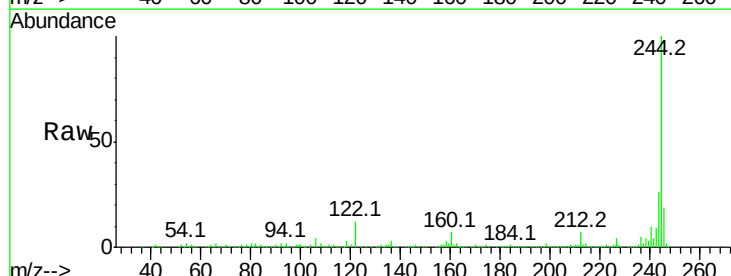
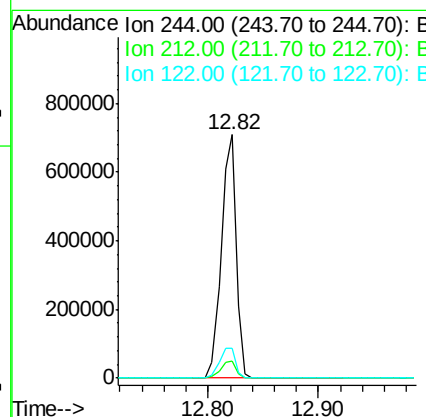
Manual Integrations
APPROVED

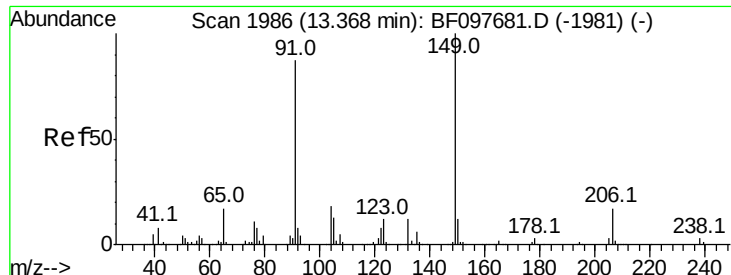
mohammad
9/5/2017 5:22:36 PM



#78
Terphenyl-d14
Concen: 51.783 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.1	10.3	15.5





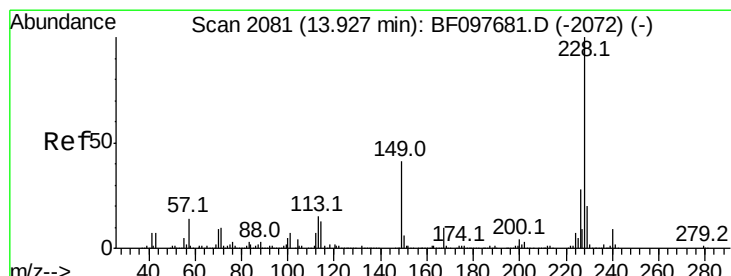
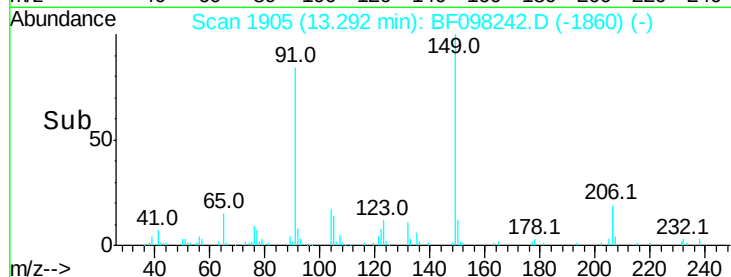
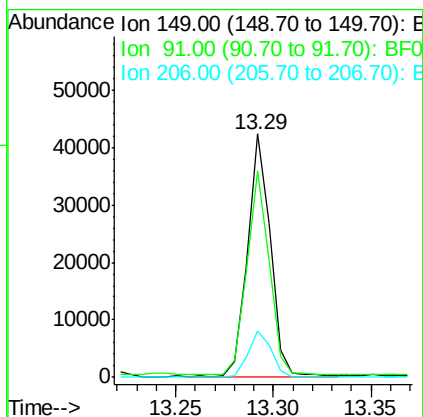
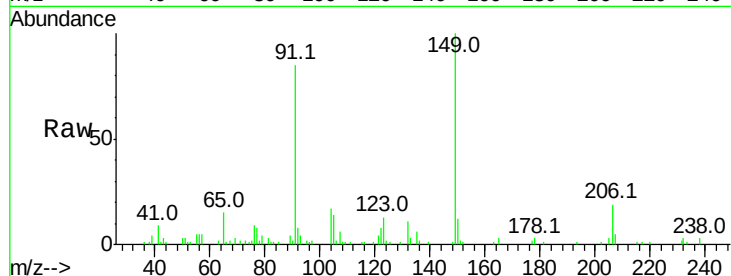
#79
Butylbenzylphthalate
Concen: 4.186 ng
RT: 13.29 min Scan# 1905
Delta R.T. -0.04 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	84.9	45.0	67.4#
206	19.1	17.0	25.6

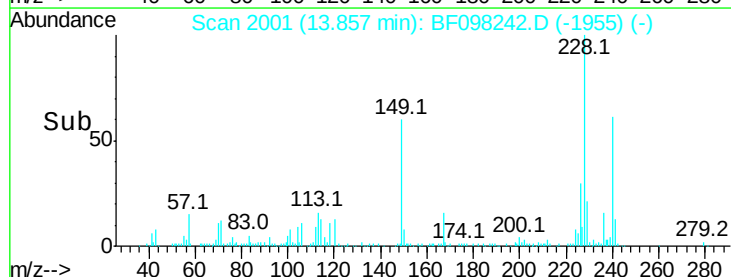
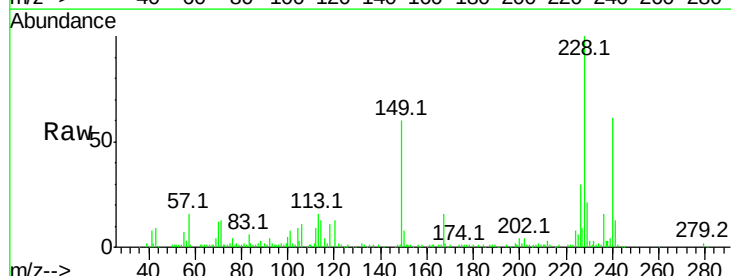
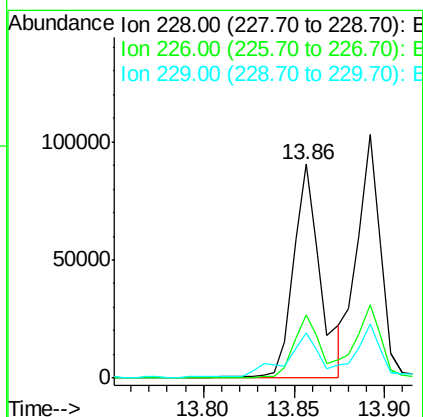
Manual Integrations
APPROVED

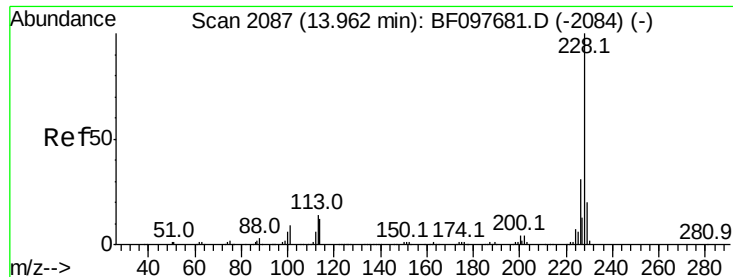
mohammad
9/5/2017 5:22:36 PM



#80
Benzo(a)anthracene
Concen: 5.946 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.03 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.2	16.3	24.5





#82

Chrysene

Concen: 5.883 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.04 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Instrument :

BNA_F

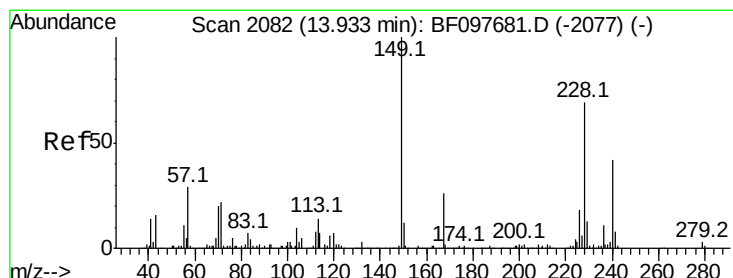
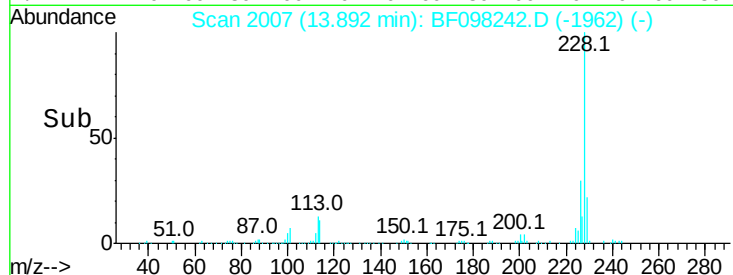
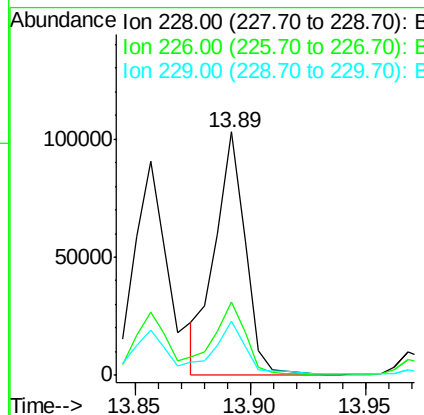
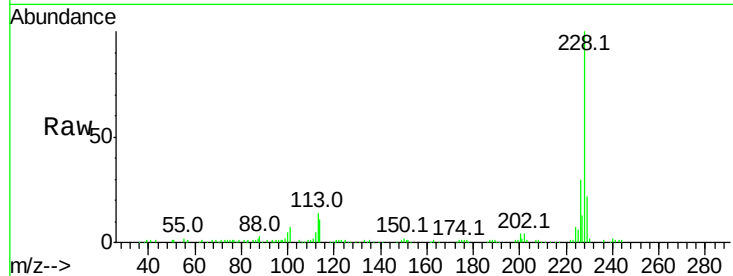
ClientSampleId :

ROLLOFF-342

Tot Ion:	228	Resp:	93156
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	22.4	15.8	23.6

Manual Integrations
APPROVED

mohammad
9/5/2017 5:22:36 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.310 ng

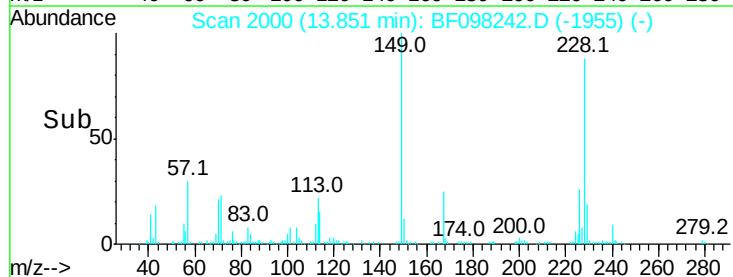
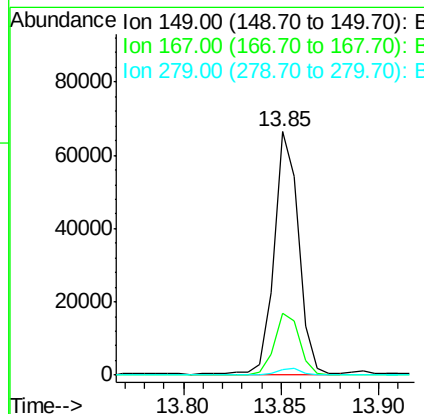
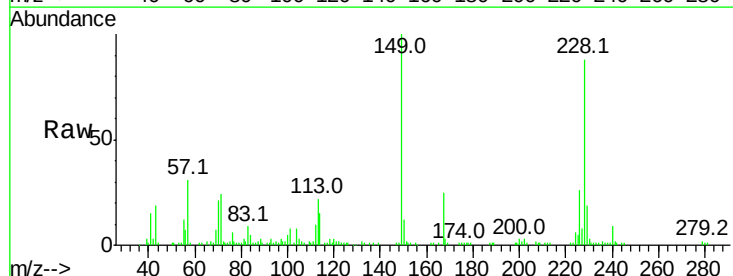
RT: 13.85 min Scan# 2000

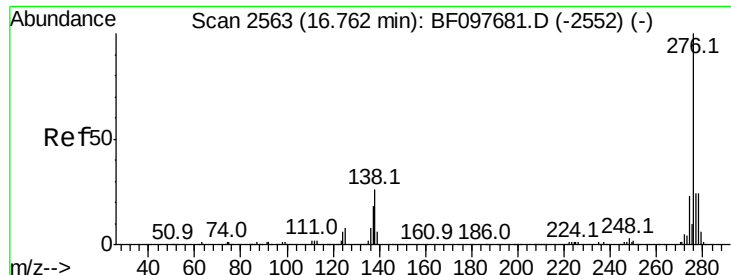
Delta R.T. -0.04 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Tgt Ion:	149	Resp:	58228
Ion Ratio	Lower	Upper	
149	100		
167	25.4	21.0	31.4
279	2.2	1.9	2.9





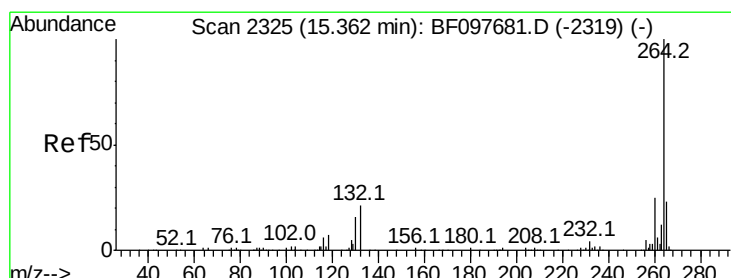
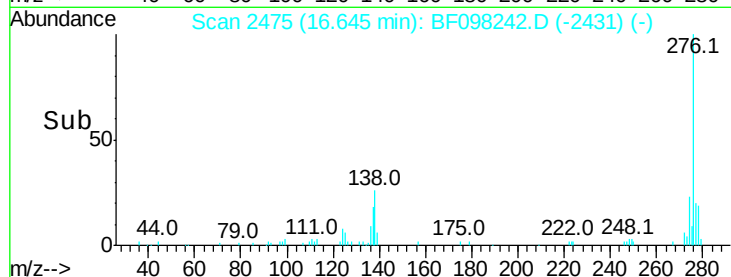
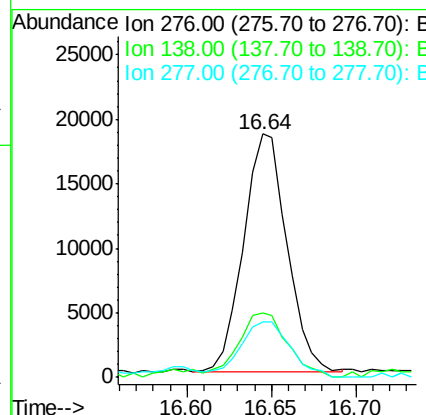
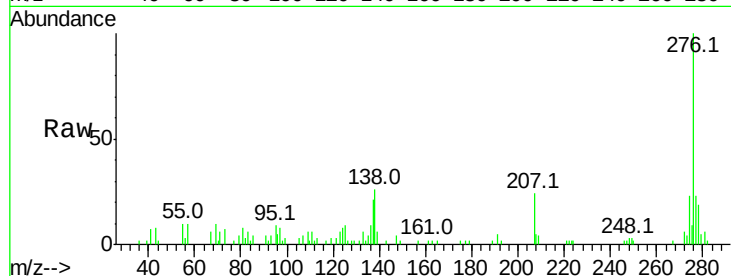
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.810 ng
 RT: 16.64 min Scan# 2475
 Delta R.T. -0.04 min
 Lab File: BF098242.D
 Acq: 1 Sep 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-342

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	27.2	20.2	30.4

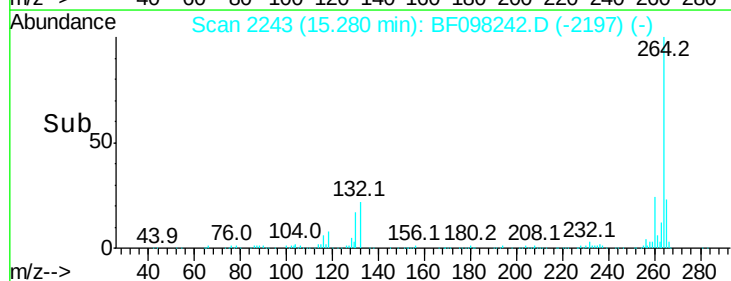
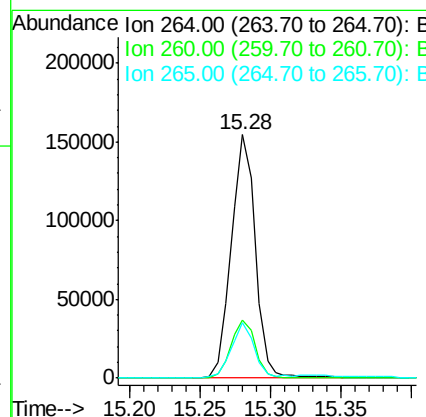
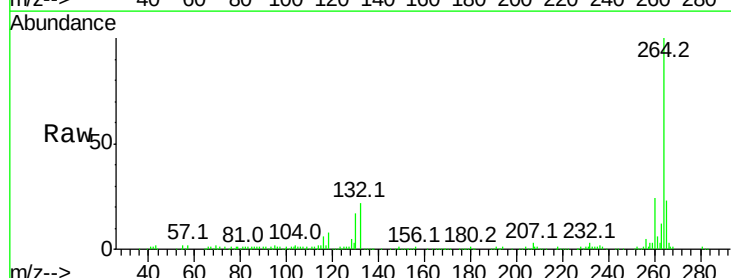
Manual Integrations
 APPROVED

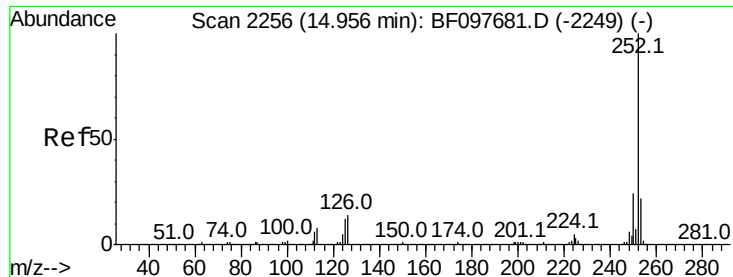
mohammad
 9/5/2017 5:22:36 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BF098242.D
 Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.453 ng m

RT: 14.88 min Scan# 2175

Delta R.T. -0.03 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Instrument :

BNA_F

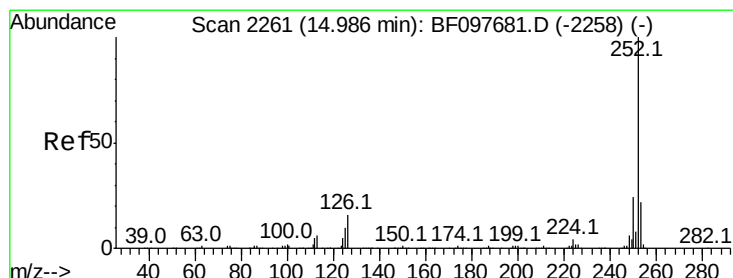
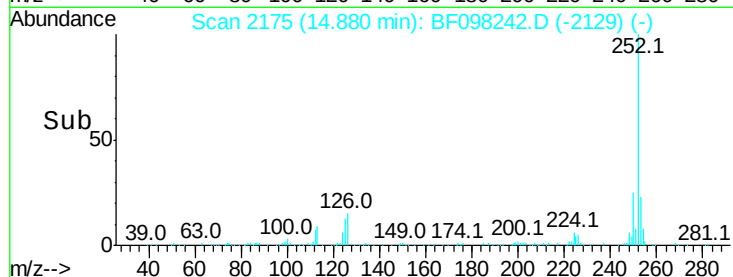
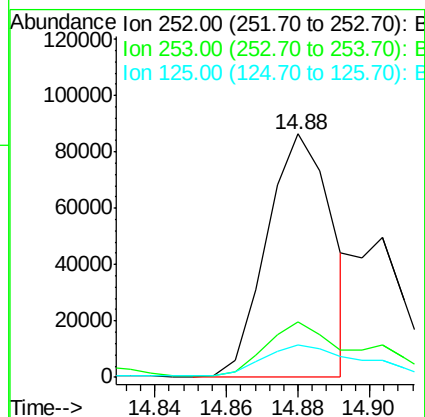
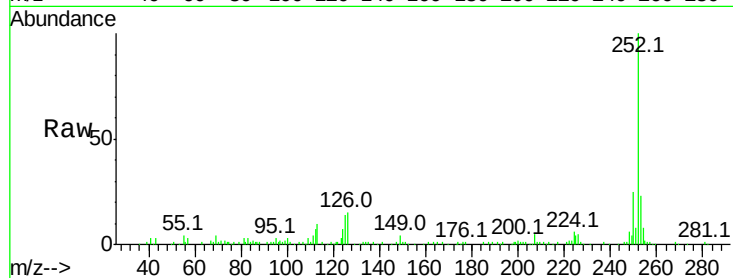
ClientSampleId :

ROLLOFF-342

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.5	9.8	14.8

Manual Integrations
APPROVED

mohammad
9/5/2017 5:22:36 PM



#88

Benzo(k)fluoranthene

Concen: 4.344 ng m

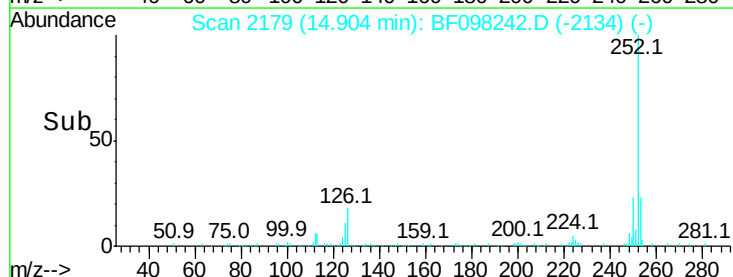
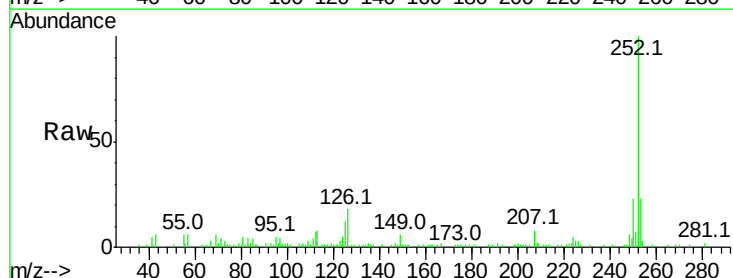
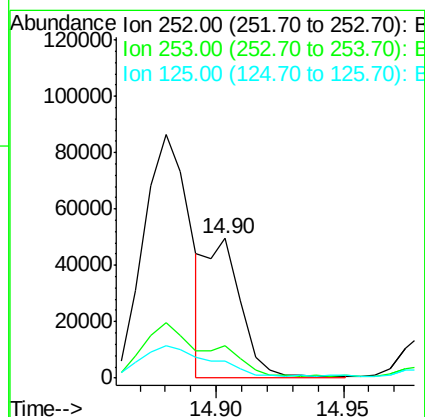
RT: 14.90 min Scan# 2179

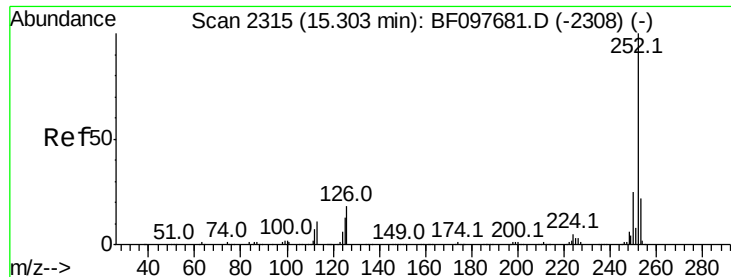
Delta R.T. -0.04 min

Lab File: BF098242.D

Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	11.9	13.1	19.7#





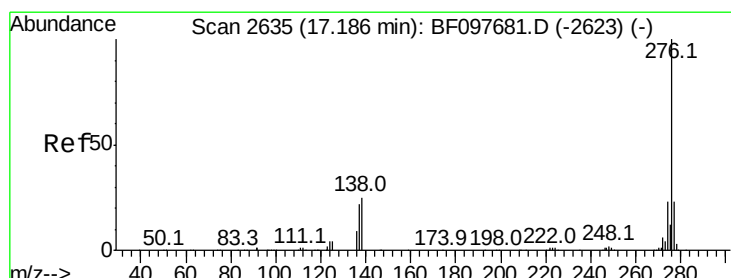
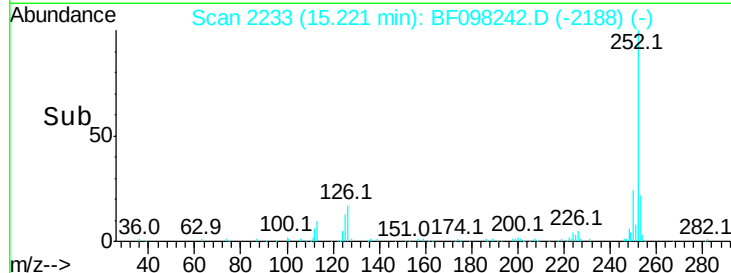
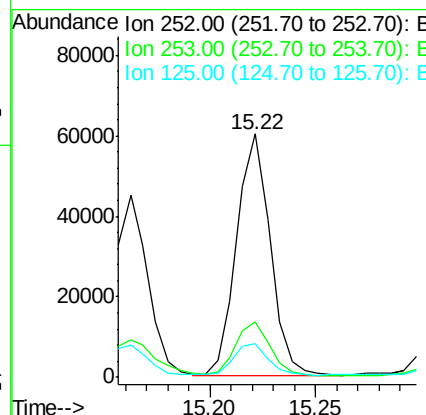
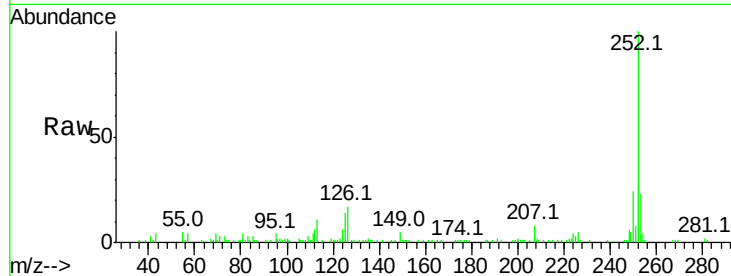
#89
Benzo(a)pyrene
Concen: 6.491 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-342

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.9	11.0	16.4

Manual Integrations
APPROVED

mohammad
9/5/2017 5:22:36 PM



#91
Benzo(g,h,i)perylene
Concen: 3.767 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.05 min
Lab File: BF098242.D
Acq: 1 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	26.1	25.4	38.0

