

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114361.D
 Acq On : 17 May 2019 20:18
 Operator : JU/SJ
 Sample : K2894-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-2.5-3.5

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:16:16 PM

Quant Time: May 18 05:46:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	220619	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	868027	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	418301	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	818384	20.00	ng	0.00
76) Chrysene-d12	14.02	240	554713	20.00	ng	0.00
87) Perylene-d12	15.51	264	519278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1224010	89.28	ng	0.00
7) Phenol-d6	6.49	99	1639761	101.13	ng	0.00
23) Nitrobenzene-d5	7.41	82	1003972	64.91	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	384607	88.94	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1484150	53.67	ng	-0.01
79) Terphenyl-d14	12.95	244	1347831	50.09	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	367915	11.981	ng	99
71) Phenanthrene	11.39	178	189581	4.761	ng	96
72) Anthracene	11.45	178	88213	2.206	ng	97
75) Fluoranthene	12.59	202	587148	13.694	ng	99
78) Pyrene	12.82	202	540507	12.112	ng	98
81) Benzo(a)anthracene	14.00	228	300498	8.375	ng	98
83) Chrysene	14.04	228	269251	7.655	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	78952	2.540	ng	98
88) Benzo(b)fluoranthene	15.07	252	281543m	8.463	ng	
89) Benzo(k)fluoranthene	15.10	252	96388m	3.154	ng	
90) Benzo(a)pyrene	15.44	252	199625	6.818	ng	97
92) Benzo(g,h,i)perylene	17.44	276	70723	2.901	ng	95

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

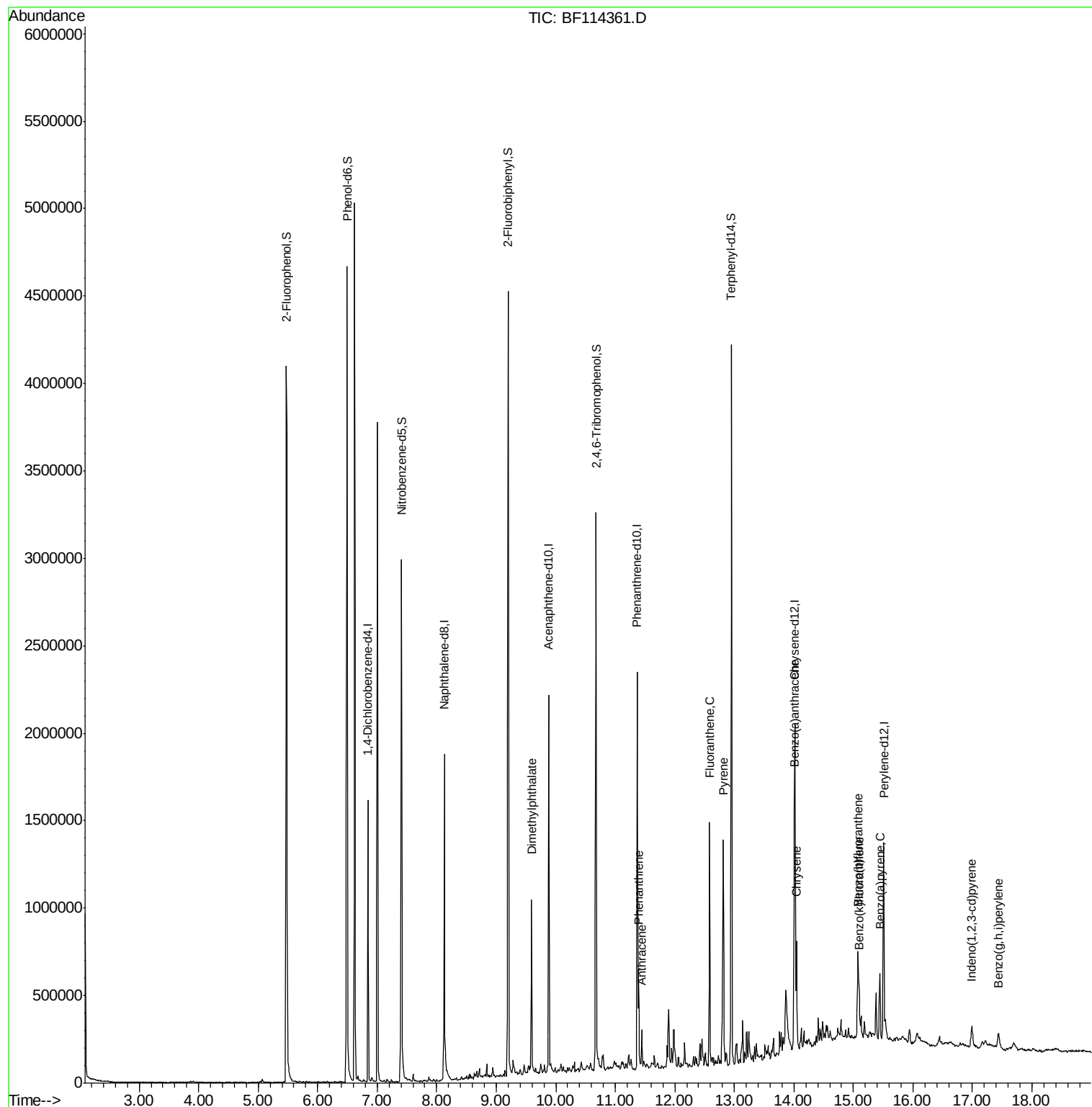
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114361.D
Acq On : 17 May 2019 20:18
Operator : JU/SJ
Sample : K2894-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

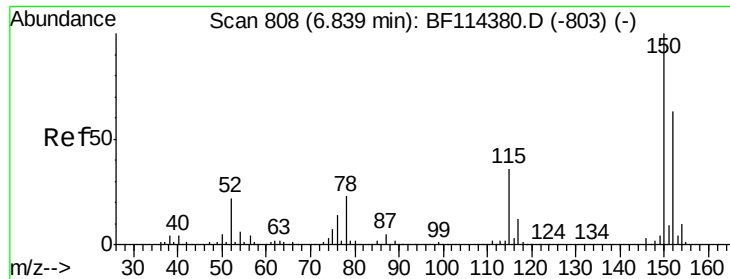
Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM

Quant Time: May 18 05:46:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

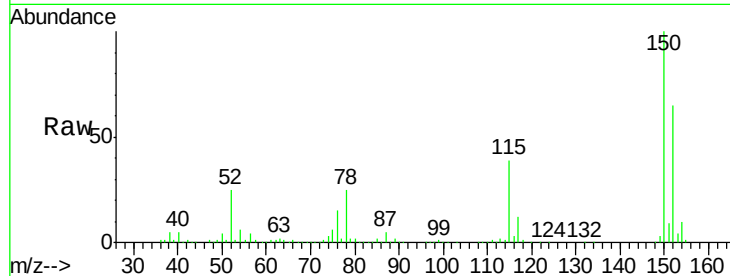
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	59.6	49.1	73.7

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM

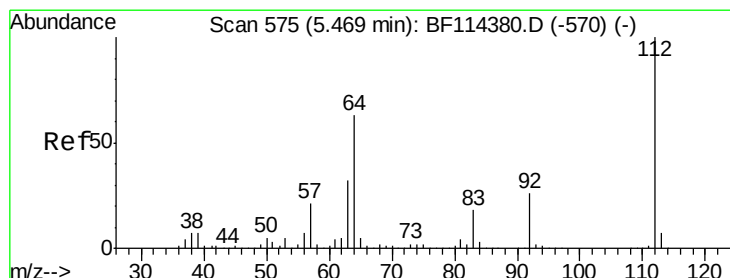
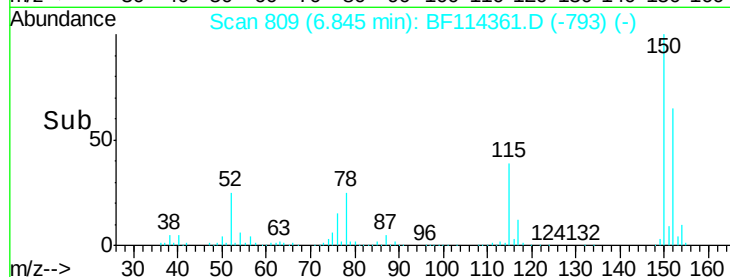
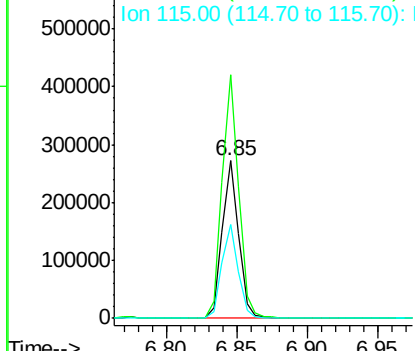


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

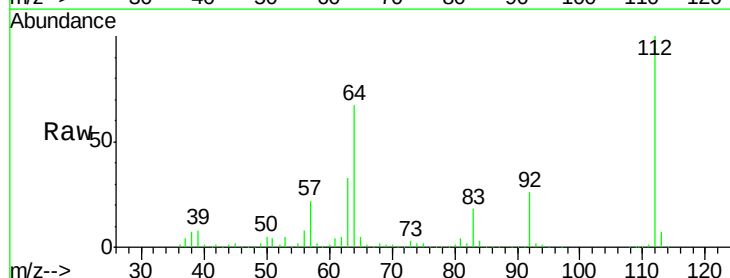
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.283 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	49.0	73.6
63	33.4	24.6	37.0

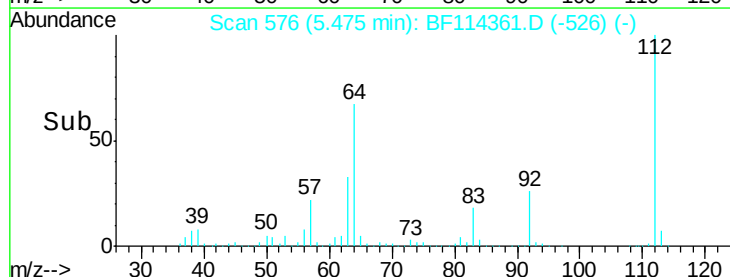
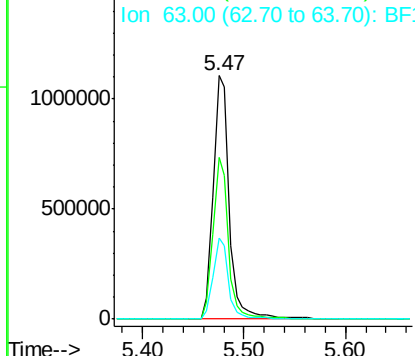


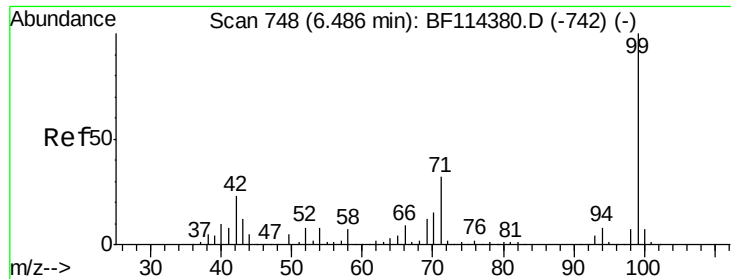
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.130 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

SB-07-2.5-3.5

Tgt Ion: 99 Resp: 1639761

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

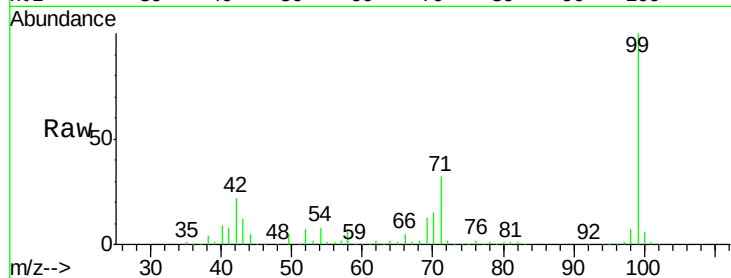
71 32.4 26.2 39.2

Manual Integrations

APPROVED

mohammad

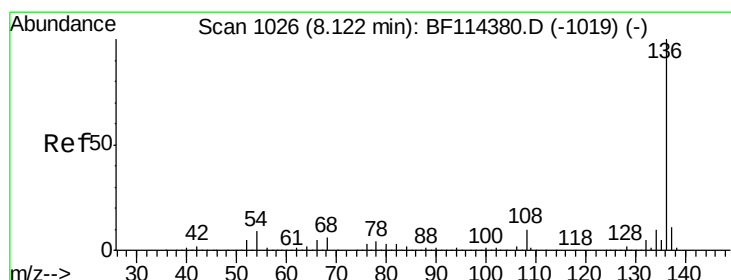
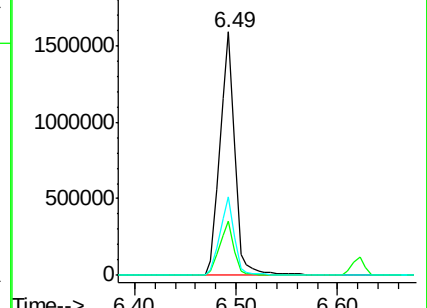
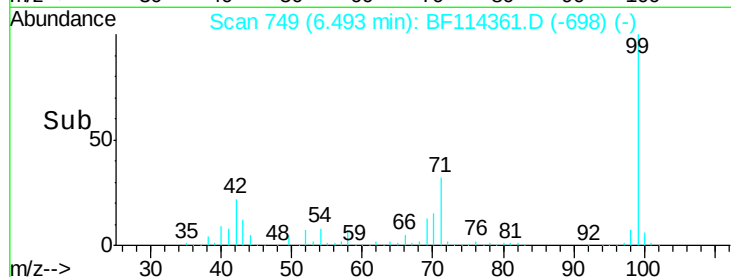
5/21/2019 2:16:16 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Tgt Ion: 136 Resp: 868027

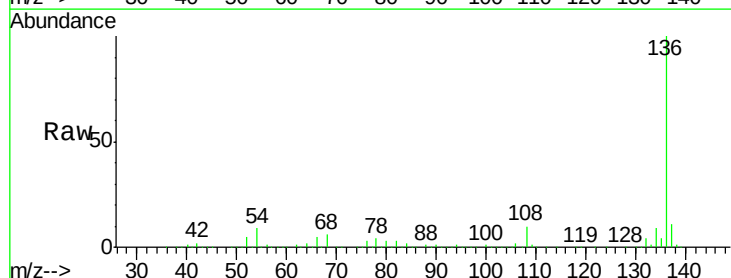
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.5 7.8 11.8

68 6.3 5.1 7.7

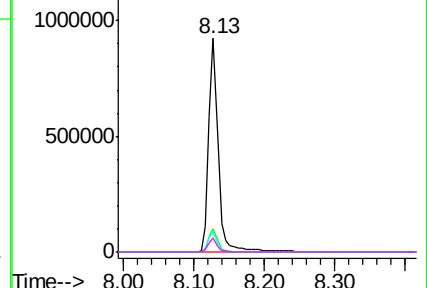
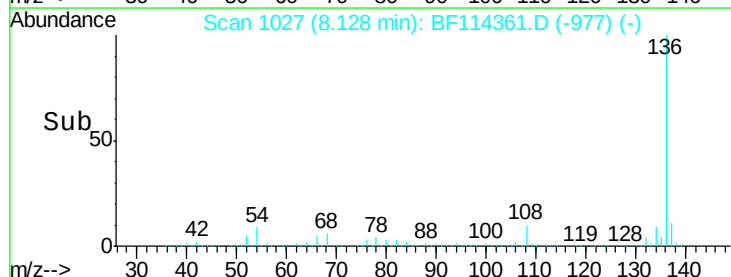


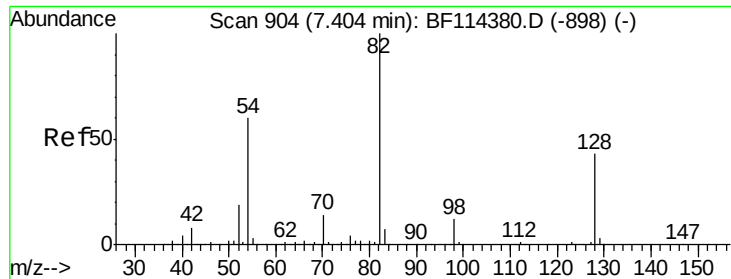
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





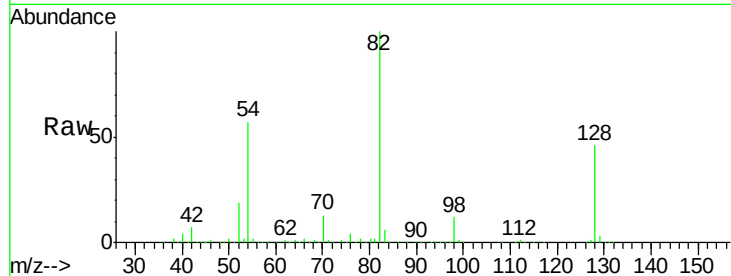
#23
Nitrobenzene-d5
Concen: 64.909 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

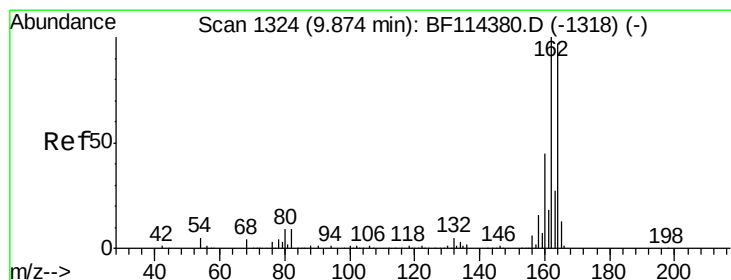
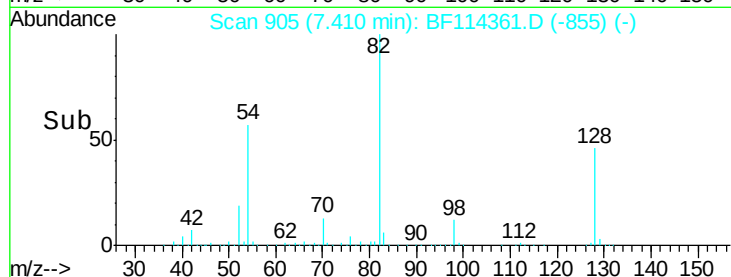
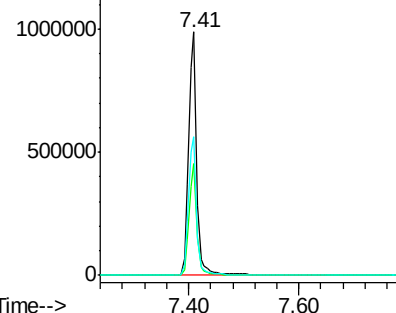
Tgt Ion: 82 Resp: 1003972
Ion Ratio Lower Upper
82 100
128 45.7 35.5 53.3
54 57.2 48.5 72.7

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM

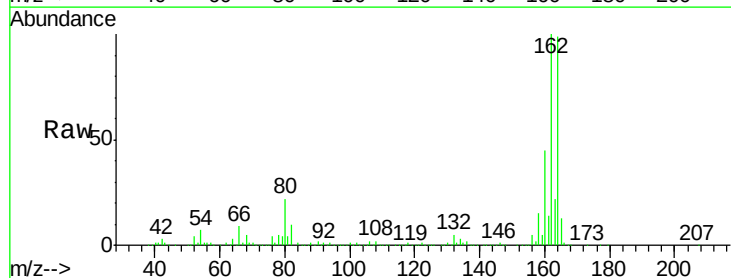


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

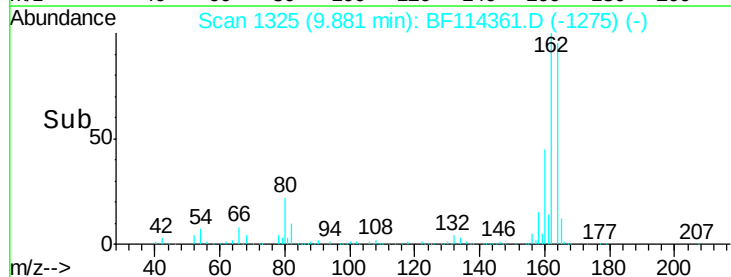
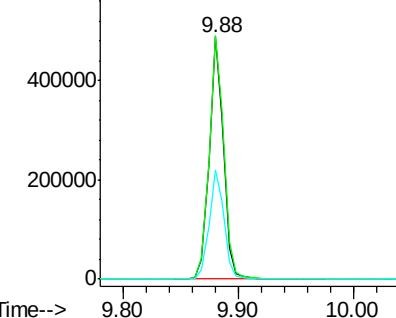


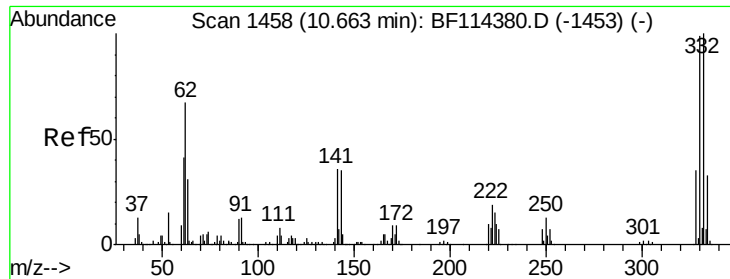
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion: 164 Resp: 418301
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 45.1 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





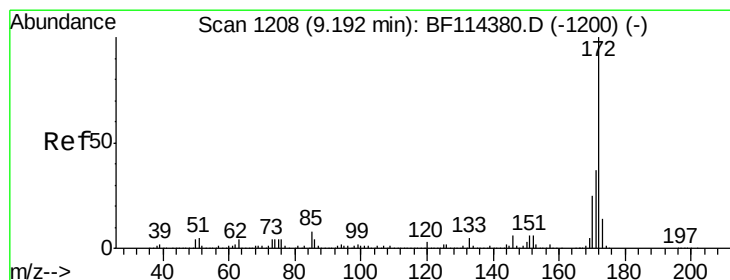
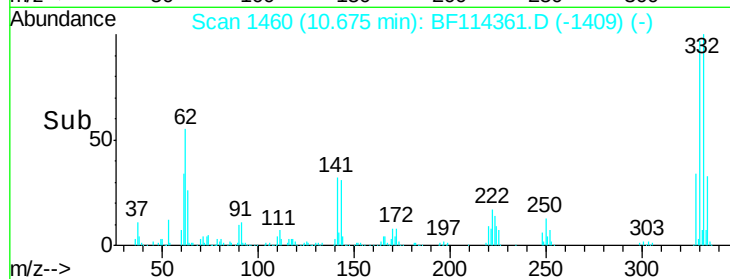
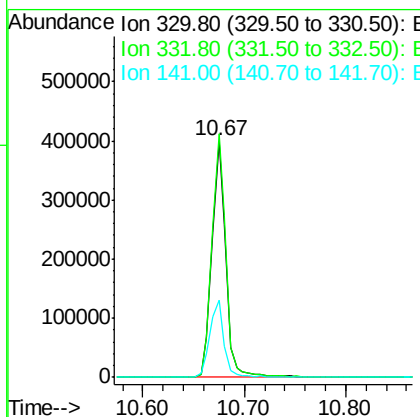
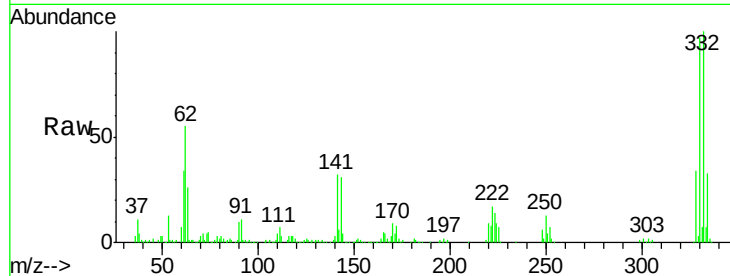
#42
 2,4,6-Tribromophenol
 Concen: 88.936 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF114361.D
 Acq: 17 May 2019 20:18

Instrument :
 BNA_F
 ClientSampled :
 SB-07-2.5-3.5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	384607		
332	104.0	81.4	122.2	
141	33.1	26.6	40.0	

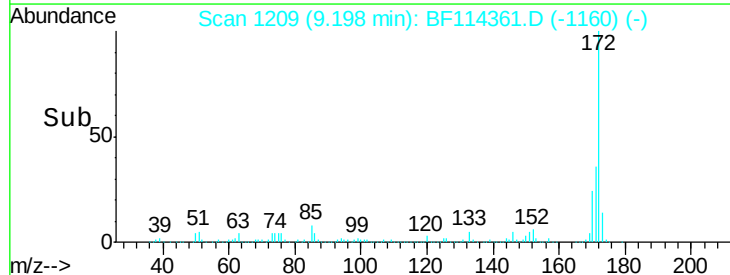
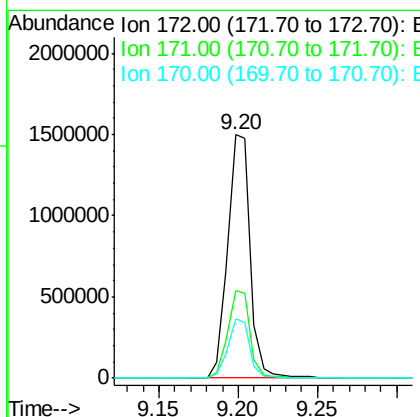
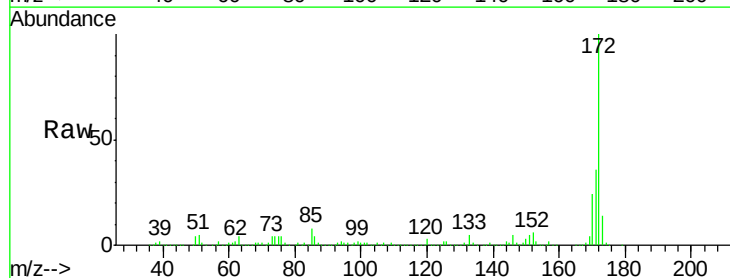
Manual Integrations
 APPROVED

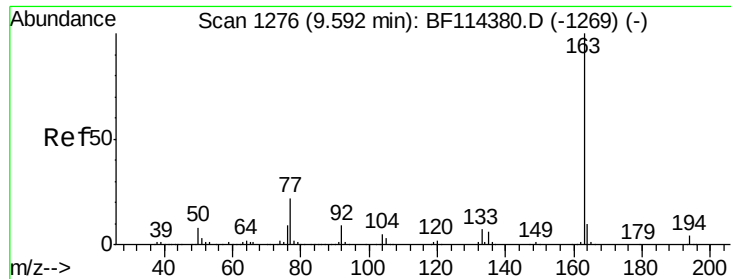
mohammad
 5/21/2019 2:16:16 PM



#45
 2-Fluorobiphenyl
 Concen: 53.670 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF114361.D
 Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1484150		
171	36.2	30.7	46.1	
170	24.1	20.5	30.7	





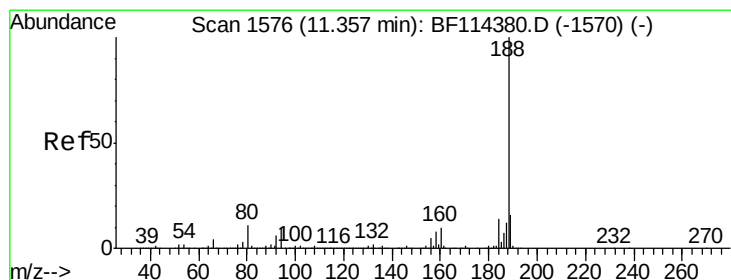
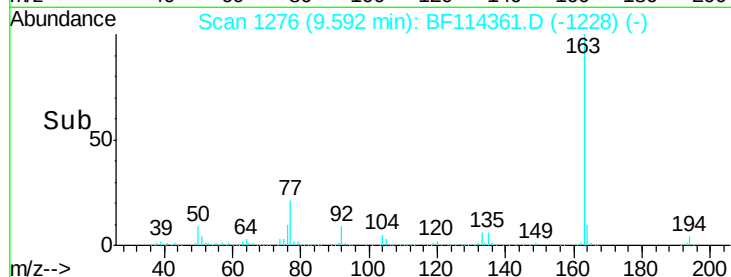
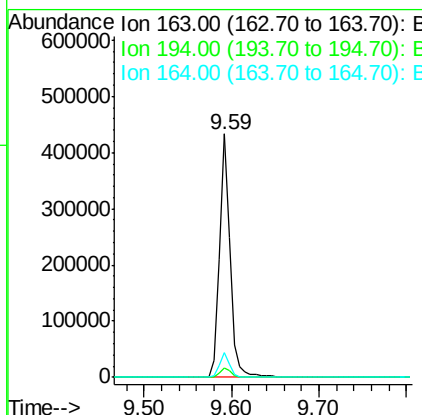
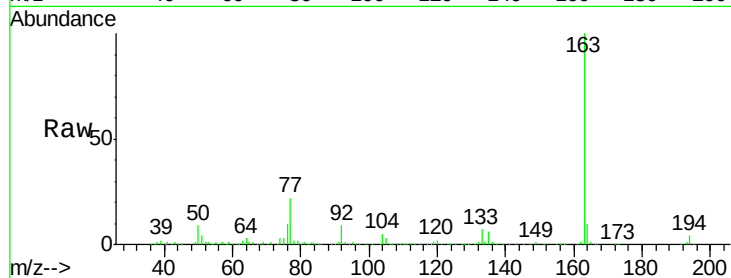
#50
Dimethylphthalate
Concen: 11.981 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	367915		
194	3.8		3.4	5.0
164	10.1		8.2	12.2

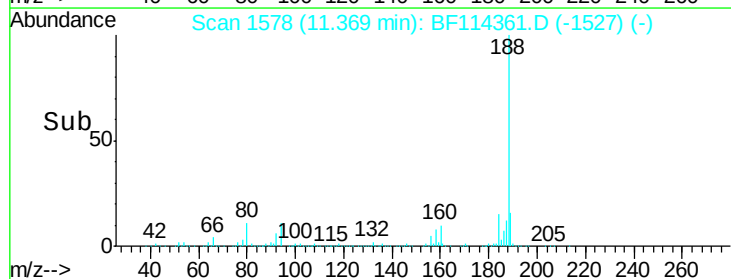
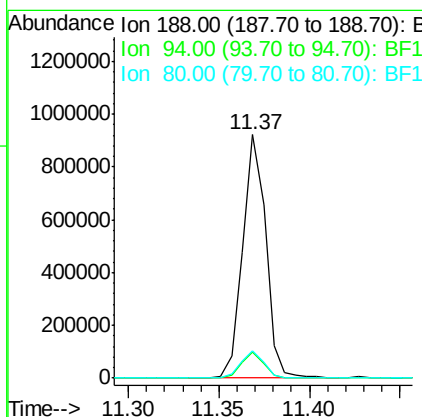
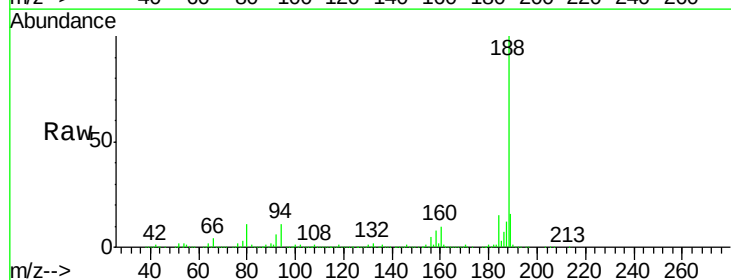
Manual Integrations
APPROVED

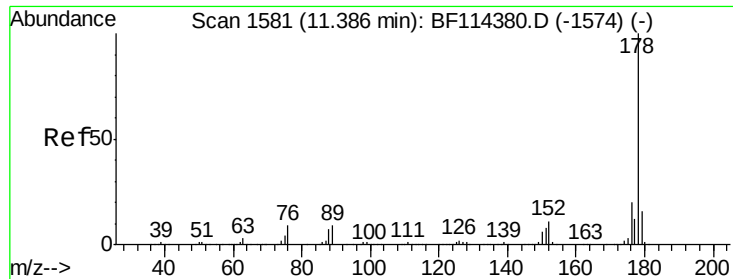
mohammad
5/21/2019 2:16:16 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	818384		
94	10.6		8.4	12.6
80	11.0		9.2	13.8





#71

Phenanthrene

Concen: 4.761 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

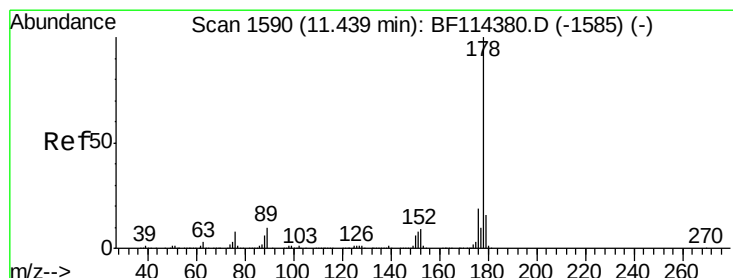
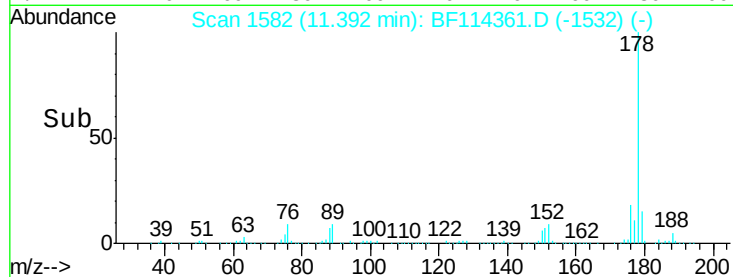
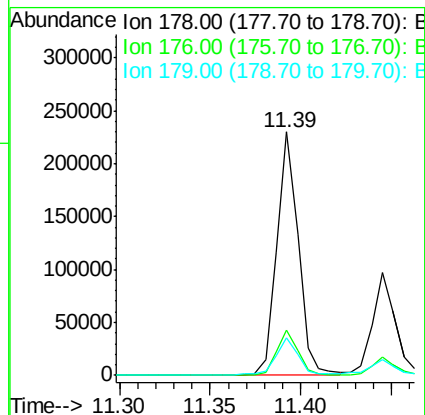
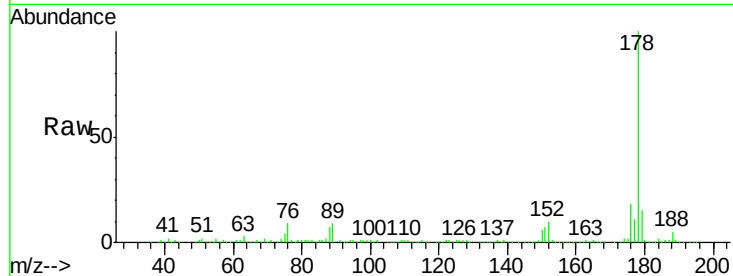
ClientSampleId :

SB-07-2.5-3.5

Tgt Ion:	178	Resp:	189581
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.4	24.6
179	15.3	13.2	19.8

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM



#72

Anthracene

Concen: 2.206 ng

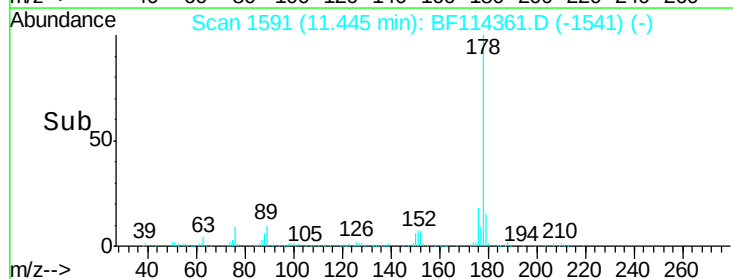
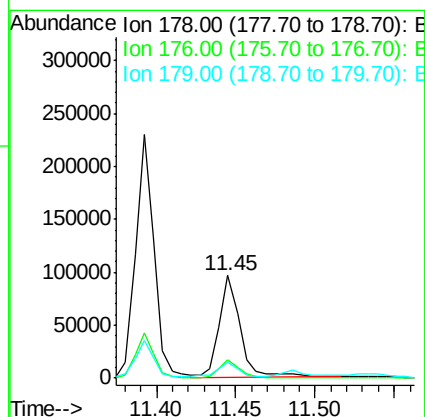
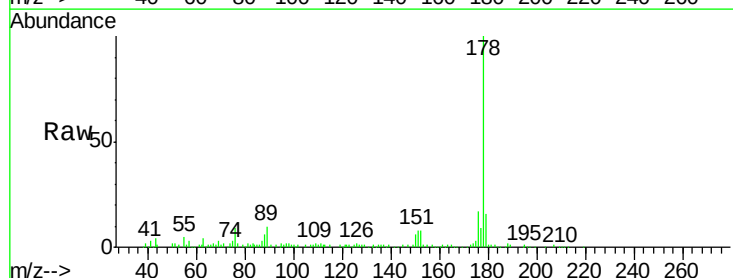
RT: 11.45 min Scan# 1591

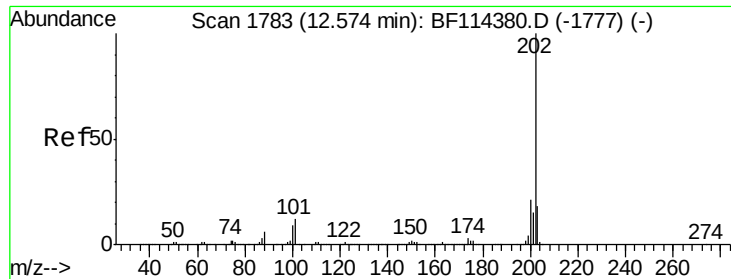
Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Tgt Ion:	178	Resp:	88213
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.8	23.8
179	15.6	13.0	19.4





#75

Fluoranthene

Concen: 13.694 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

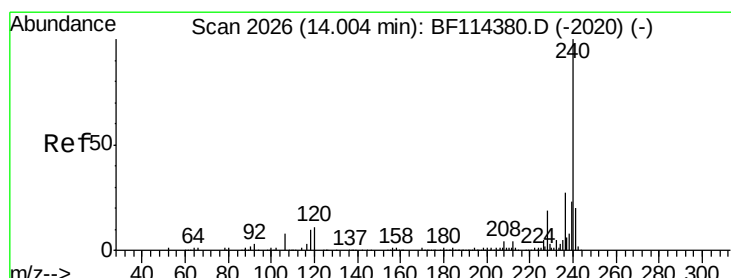
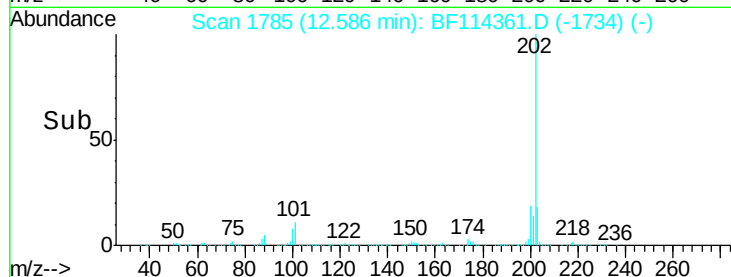
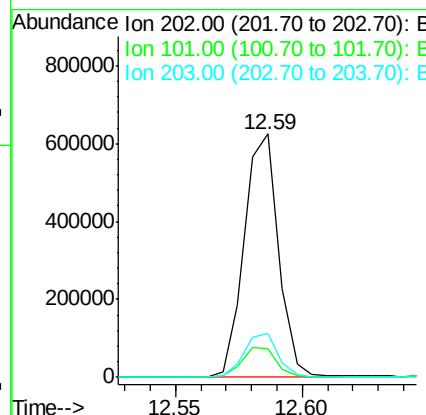
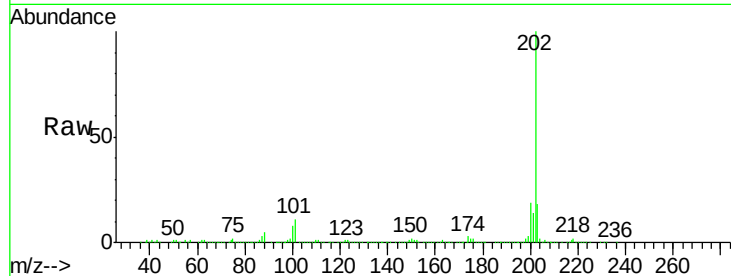
ClientSampleId :

SB-07-2.5-3.5

Tgt	Ion	202	Resp:	587148
Ion	Ratio	Lower	Upper	
202	100			
101	11.5	0.0	31.0	
203	17.9	0.0	38.4	

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM



#76

Chrysene-d12

Concen: 20.000 ng

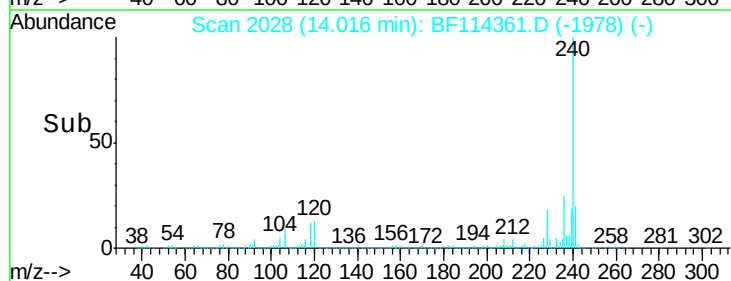
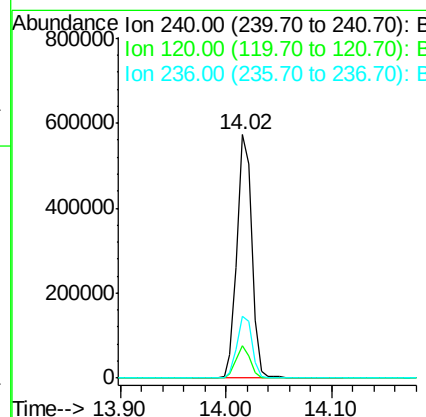
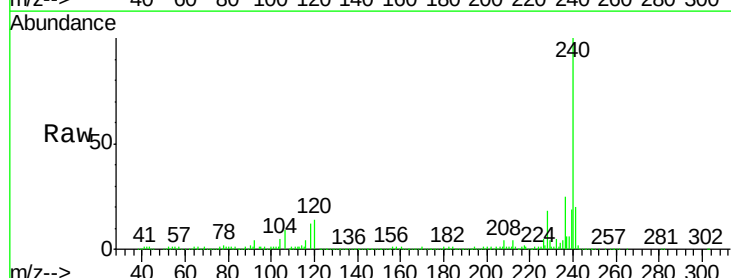
RT: 14.02 min Scan# 2028

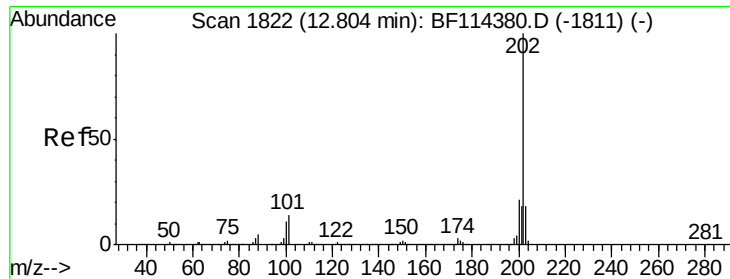
Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Tgt	Ion	240	Resp:	554713
Ion	Ratio	Lower	Upper	
240	100			
120	13.5	8.3	12.5#	
236	25.2	20.8	31.2	





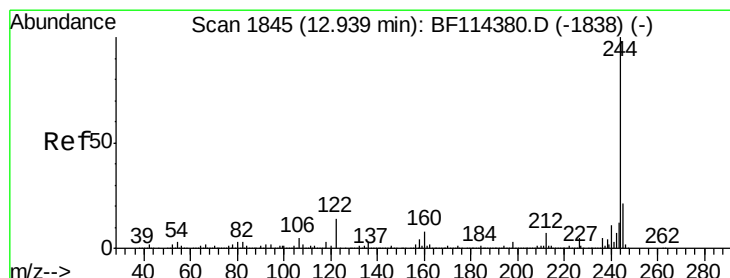
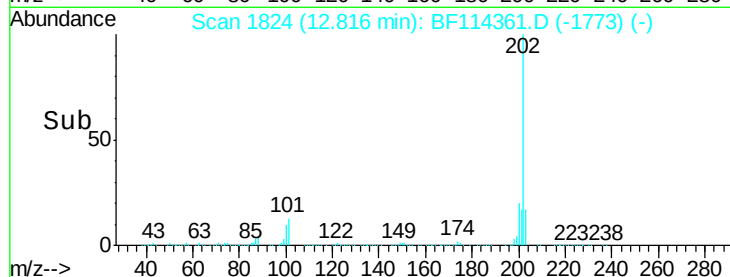
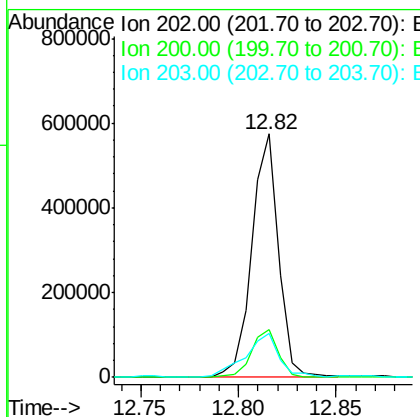
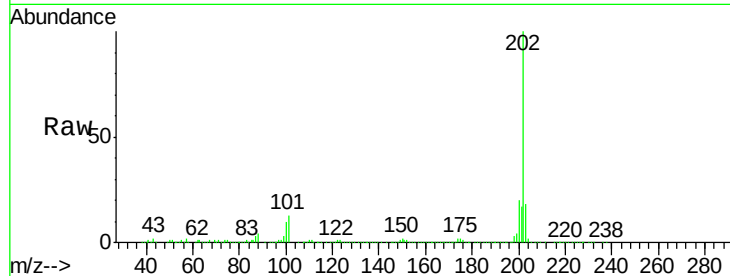
#78
Pyrene
Concen: 12.112 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.6	16.9	25.3
203	17.8	14.5	21.7

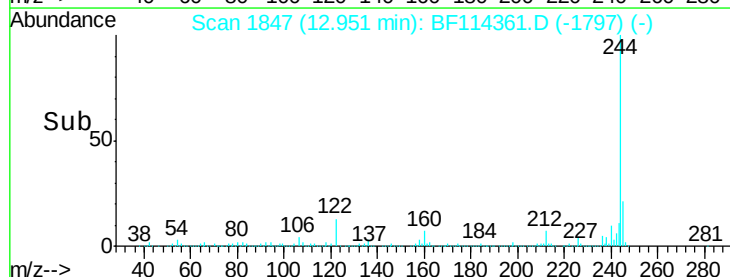
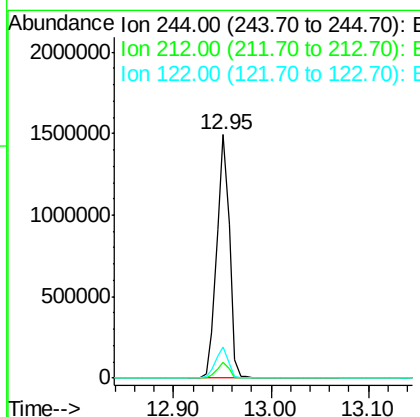
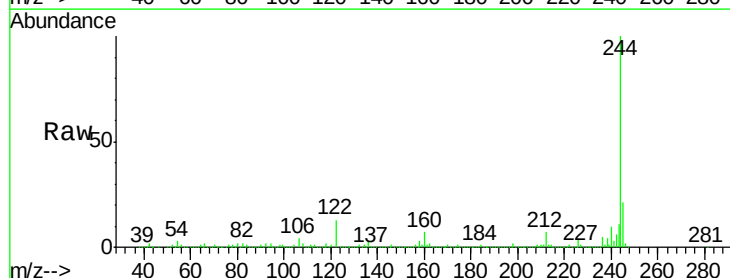
Manual Integrations
APPROVED

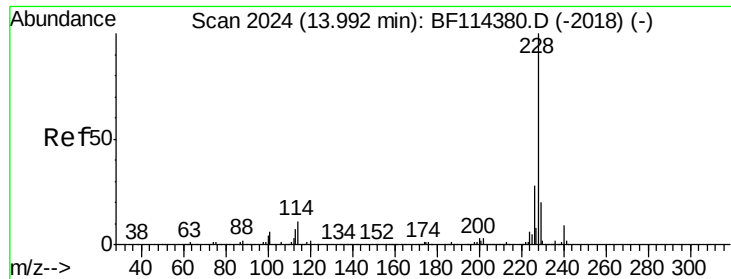
mohammad
5/21/2019 2:16:16 PM



#79
Terphenyl-d14
Concen: 50.088 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.8	8.6
122	12.8	9.4	14.2





#81

Benzo(a)anthracene

Concen: 8.375 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

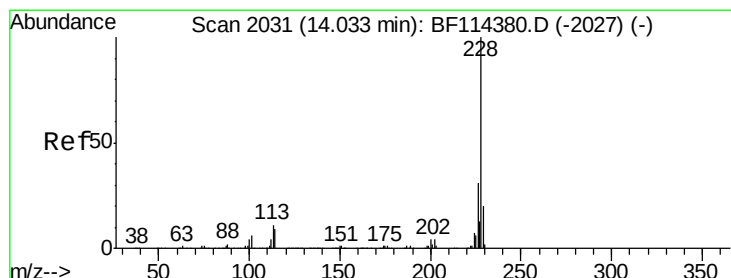
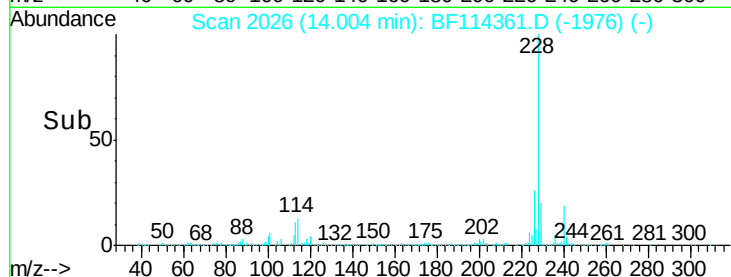
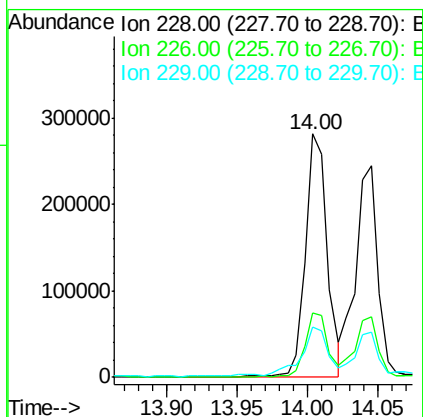
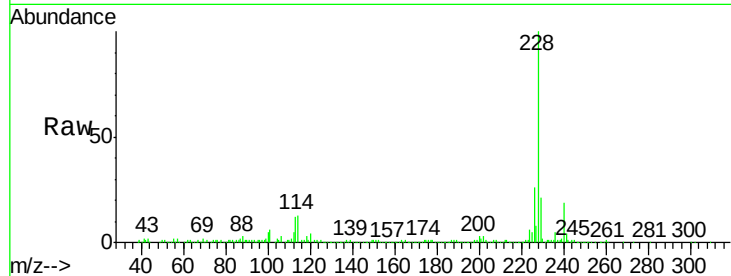
ClientSampleId :

SB-07-2.5-3.5

Tgt Ion:	228	Resp:	300498
Ion Ratio	Lower	Upper	
228	100		
226	26.4	22.2	33.2
229	20.9	16.4	24.6

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM



#83

Chrysene

Concen: 7.655 ng

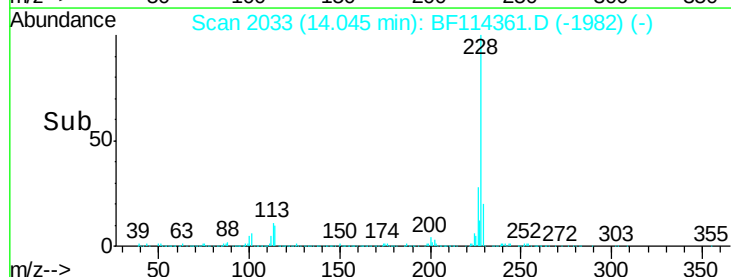
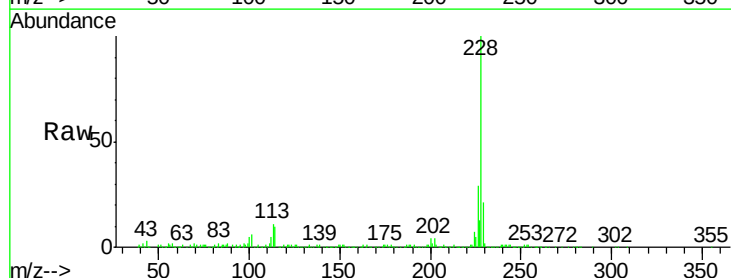
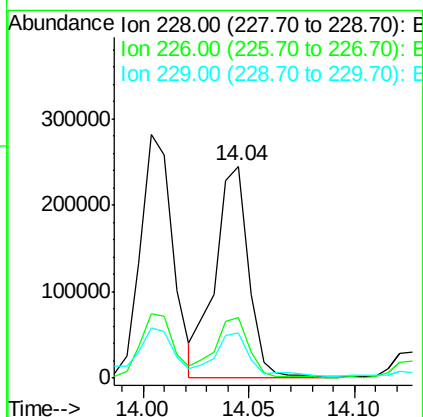
RT: 14.04 min Scan# 2033

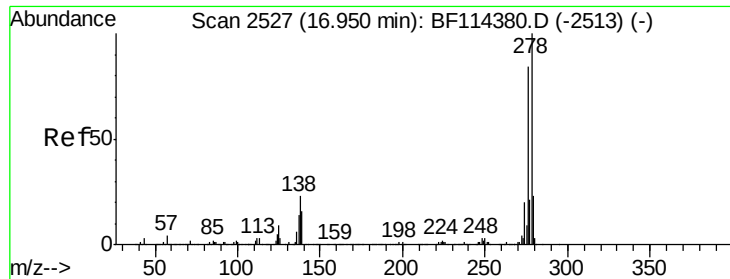
Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Tgt Ion:	228	Resp:	269251
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.0	37.6
229	21.1	17.0	25.6





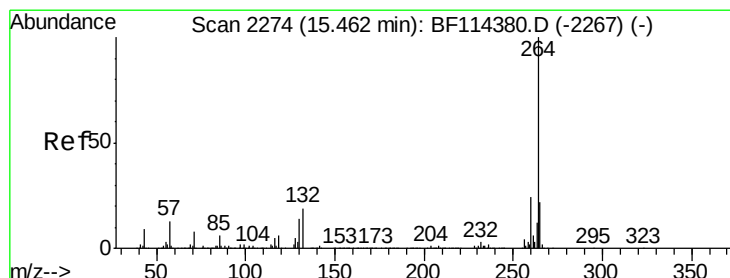
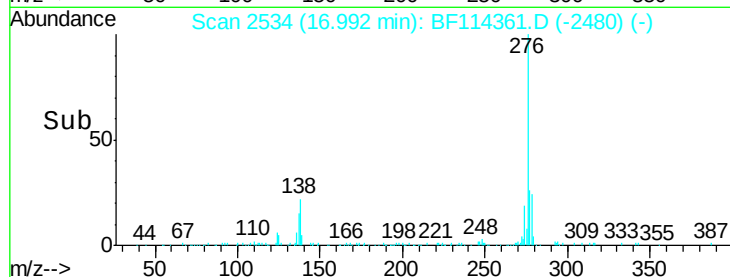
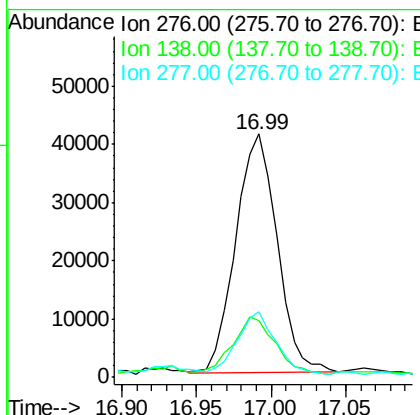
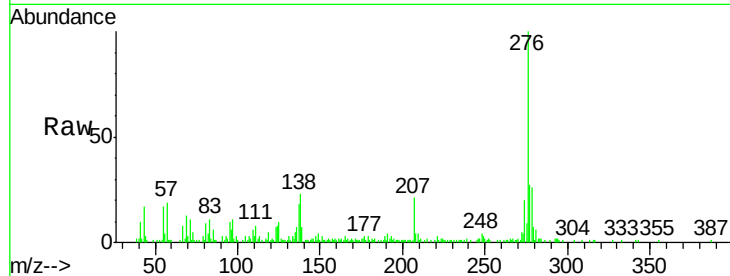
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.540 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.02 min
 Lab File: BF114361.D
 Acq: 17 May 2019 20:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-2.5-3.5

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	78952		
138	24.1		20.2	30.2
277	24.0		20.0	30.0

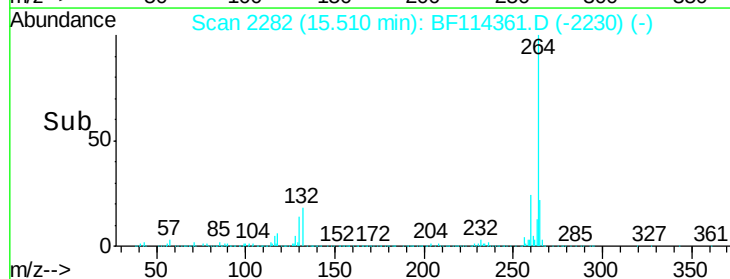
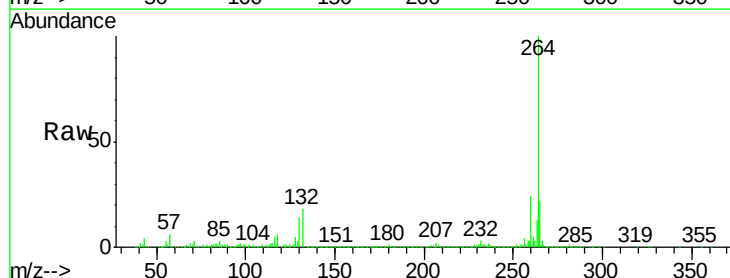
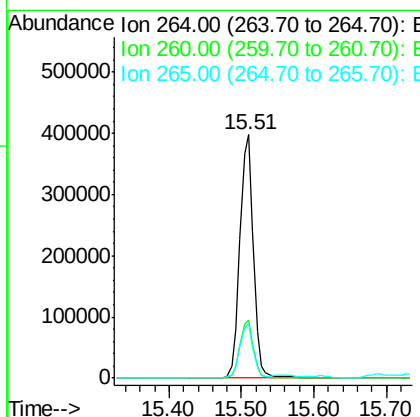
Manual Integrations
 APPROVED

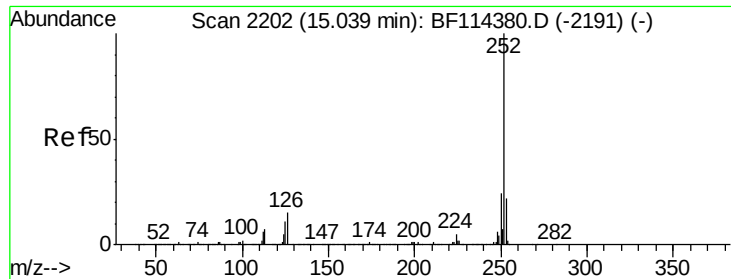
mohammad
 5/21/2019 2:16:16 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. 0.01 min
 Lab File: BF114361.D
 Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	519278		
260	24.1		19.4	29.0
265	22.0		16.9	25.3





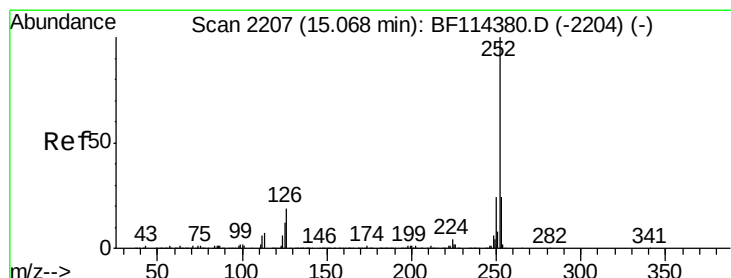
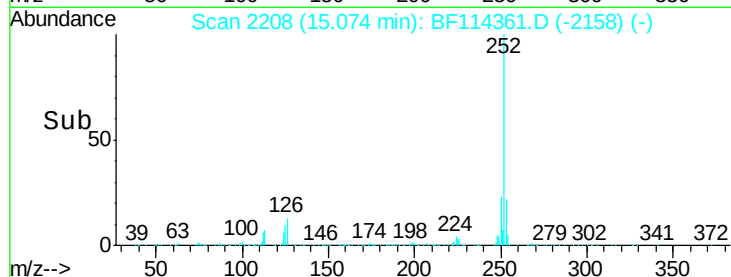
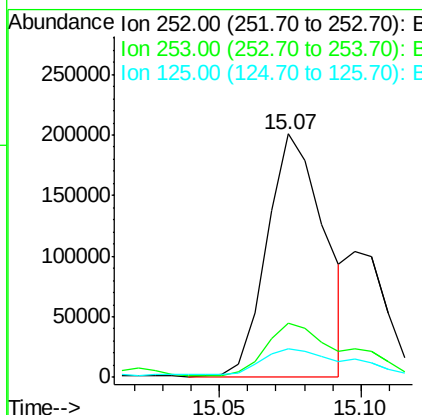
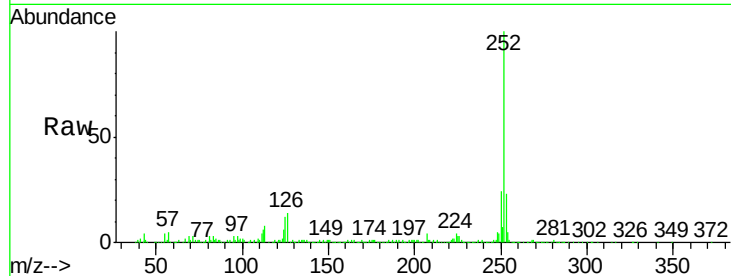
#88
Benzo(b)fluoranthene
Concen: 8.463 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampled :
SB-07-2.5-3.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.5	8.3	12.5

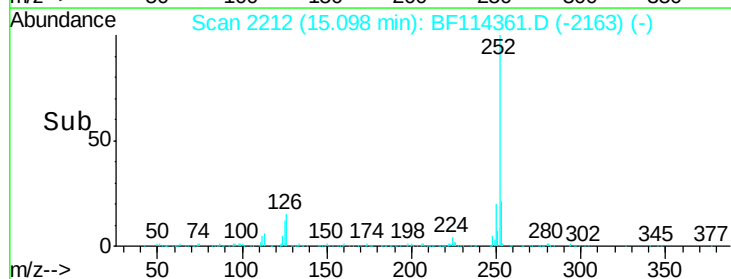
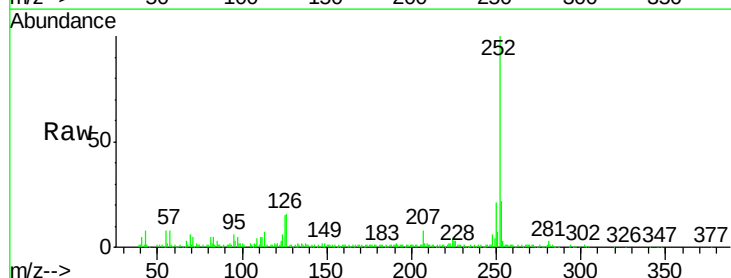
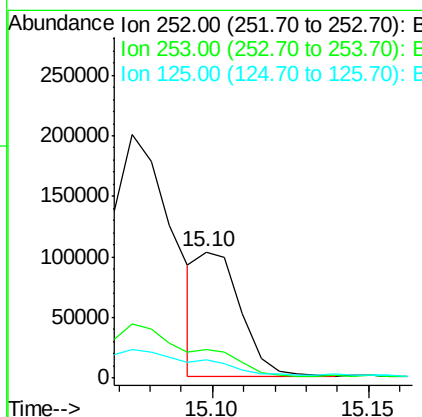
Manual Integrations
APPROVED

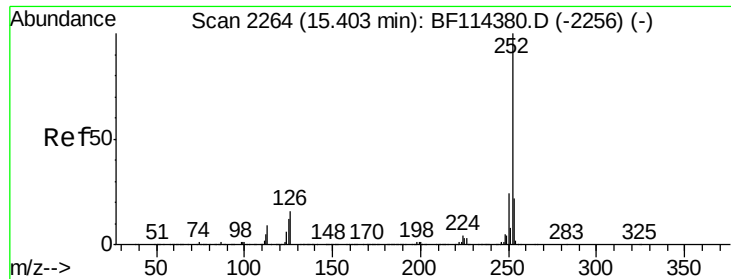
mohammad
5/21/2019 2:16:16 PM



#89
Benzo(k)fluoranthene
Concen: 3.154 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	14.5	8.6	13.0#





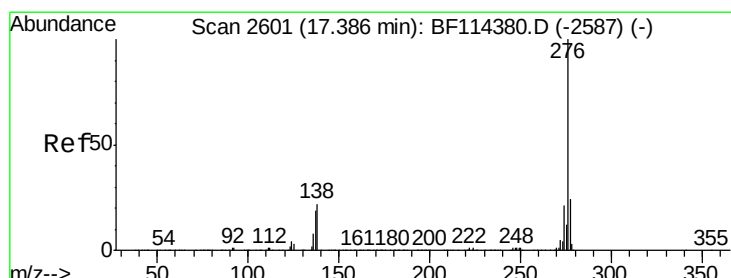
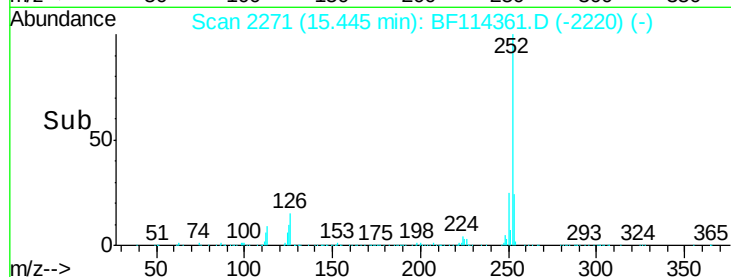
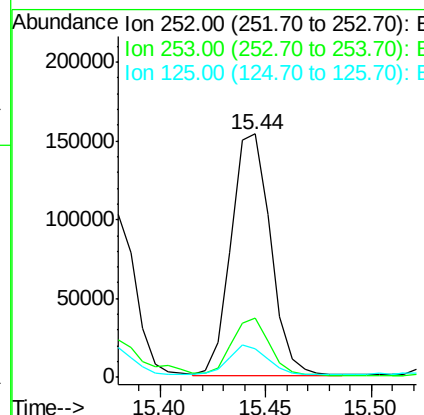
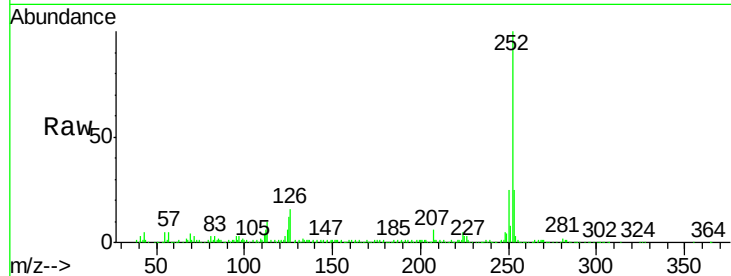
#90
Benzo(a)pyrene
Concen: 6.818 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.5	18.1	27.1
125	11.7	9.5	14.3

Manual Integrations
APPROVED

mohammad
5/21/2019 2:16:16 PM



#92
Benzo(g,h,i)perylene
Concen: 2.901 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.9	19.0	28.4
138	26.6	17.8	26.6

