

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116528.D
 Acq On : 25 Aug 2019 13:32
 Operator : HP/JU
 Sample : K4392-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-1

Manual Integrations
 APPROVED

mohammad
 8/31/2019 3:49:05 PM

Quant Time: Aug 26 16:38:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	107929m	20.00	ng	0.05
21) Naphthalene-d8	8.22	136	265803	20.00	ng	0.05
39) Acenaphthene-d10	10.04	164	162971m	20.00	ng	0.12
64) Phenanthrene-d10	11.47	188	222921	20.00	ng	0.08
76) Chrysene-d12	14.04	240	276824	20.00	ng	0.01
87) Perylene-d12	15.51	264	343685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	259494	35.13	ng	0.02
7) Phenol-d6	6.53	99	894044	98.71	ng	0.03
23) Nitrobenzene-d5	7.50	82	444238m	91.44	ng	0.06
42) 2,4,6-Tribromophenol	10.81	330	85691m	61.23	ng	0.11
45) 2-Fluorobiphenyl	9.34	172	504921	49.89	ng	0.10
79) Terphenyl-d14	13.01	244	694317	46.85	ng	0.03
Target Compounds						
31) Naphthalene	8.26	128	3268793	254.215	ng	# 71
37) 2-Methylnaphthalene	9.02	142	11437477m	1295.489	ng	
38) 1-Methylnaphthalene	9.10	142	5300852m	642.745	ng	# 90
46) 1,1'-Biphenyl	9.45	154	988135	75.837	ng	
49) Acenaphthylene	9.85	152	347978	23.546	ng	# 1
52) Acenaphthene	10.07	154	569111m	60.012	ng	# 72
58) Fluorene	10.58	166	1181404	115.029	ng	
71) Phenanthrene	11.51	178	3097294	255.051	ng	# 91
72) Anthracene	11.55	178	367515m	30.117	ng	# 72
75) Fluoranthene	12.66	202	145956	11.625	ng	
78) Pyrene	12.87	202	453405m	20.481	ng	# 70
81) Benzo(a)anthracene	14.03	228	88838	4.955	ng	
83) Chrysene	14.07	228	91972	5.061	ng	# 74

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

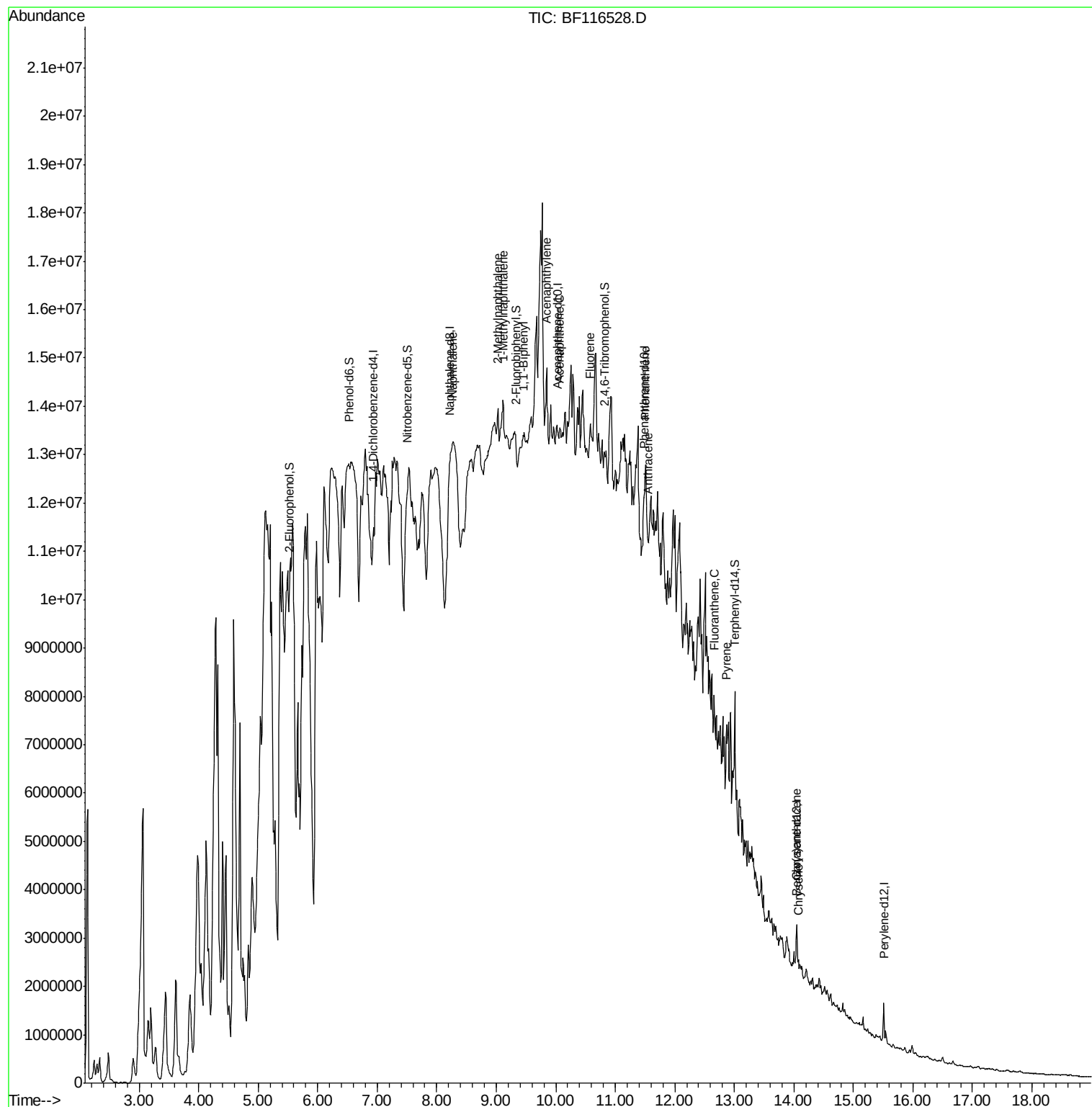
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116528.D
Acq On : 25 Aug 2019 13:32
Operator : HP/JU
Sample : K4392-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

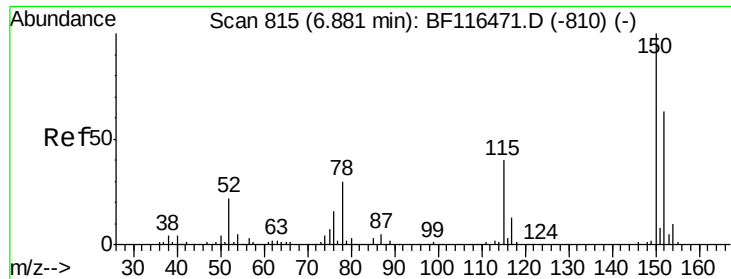
Instrument :
BNA_F
ClientSampleId :
GW-1

Quant Time: Aug 26 16:38:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM





#1

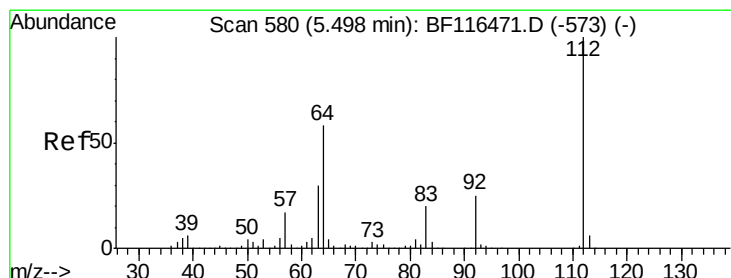
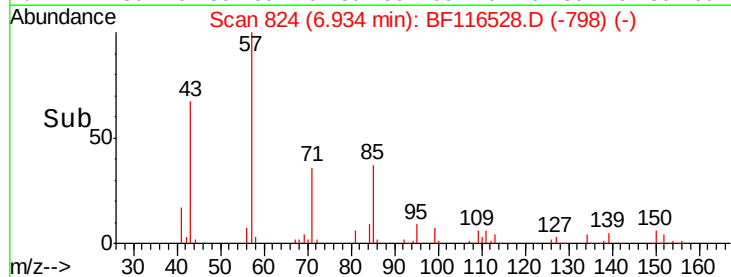
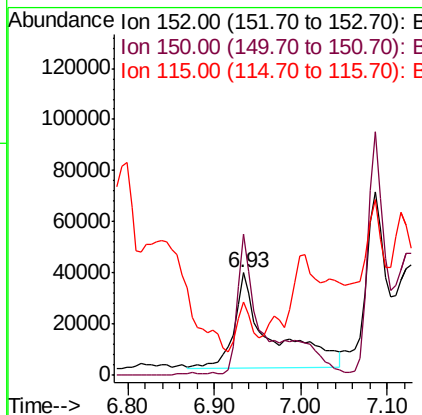
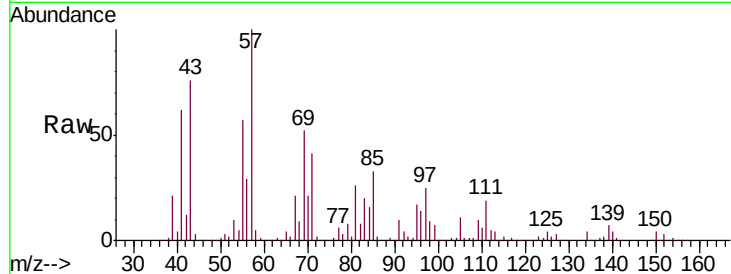
1,4-Dichlorobenzene-d4
Concen: 20.000 ng/ml
RT: 6.93 min Scan# 824
Delta R.T. 0.05 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampled :
GW-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.6	126.7	190.1
115	71.9	50.9	76.3

Manual Integrations
APPROVED

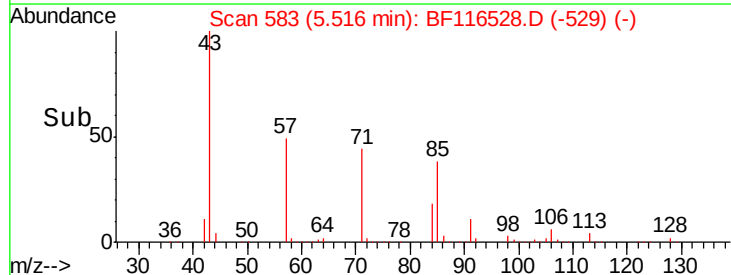
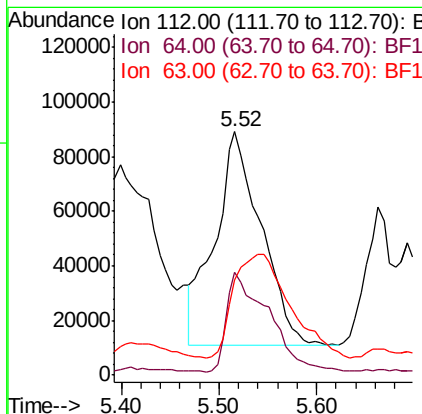
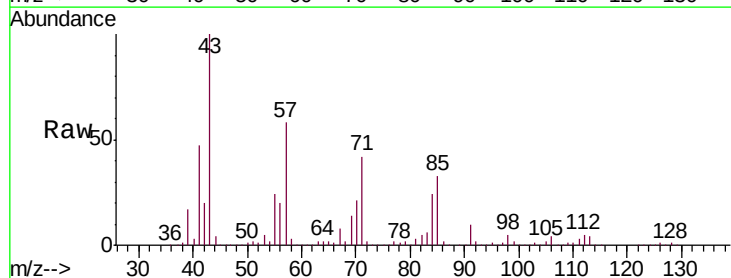
mohammad
8/31/2019 3:49:05 PM

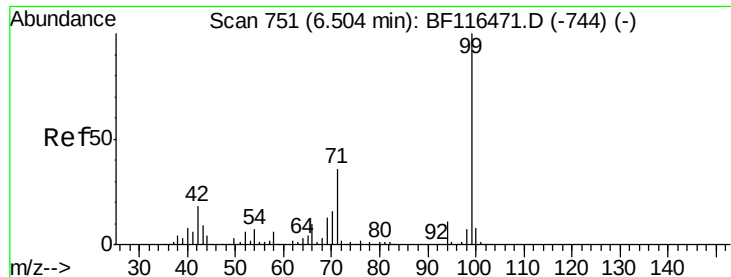


#5

2-Fluorophenol
Concen: 35.130 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.4	46.3	69.5#
63	39.0	24.2	36.4#





#7

Phenol-d6

Concen: 98.712 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.03 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

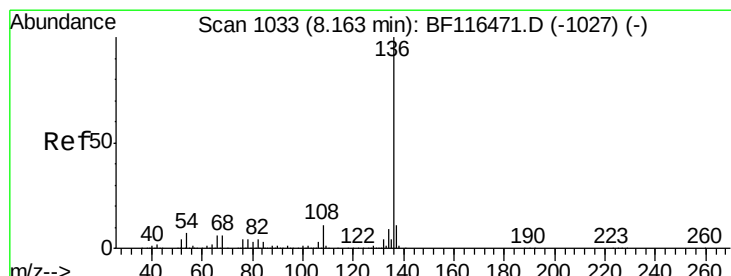
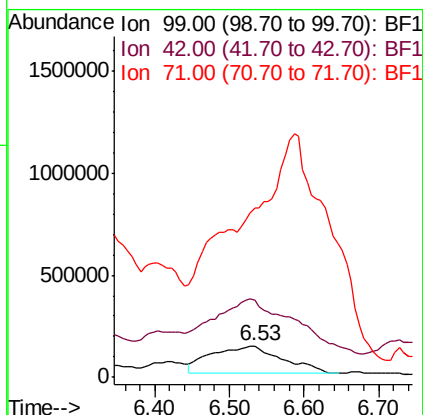
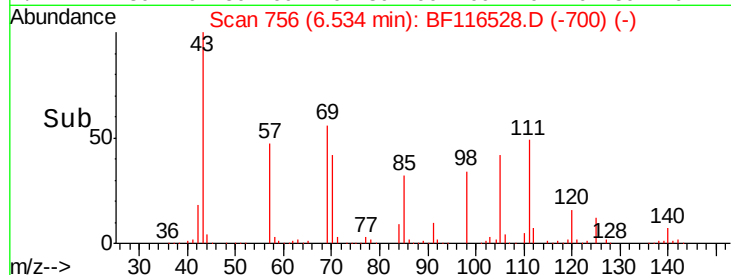
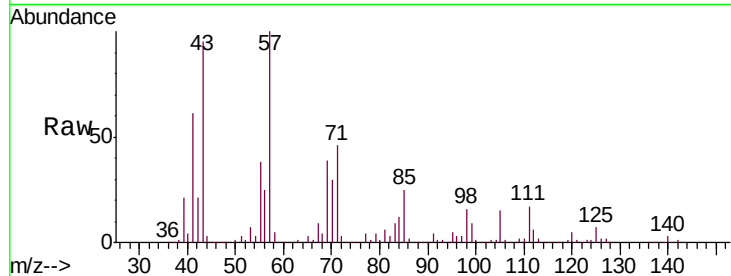
ClientSampleId :

GW-1

Tot Ion:	99	Resp:	894044
Ion Ratio	Lower	Upper	
99	100		
42	243.6	14.6	21.8#
71	538.8	28.5	42.7#

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM



#21

Naphthalene-d8

Concen: 20.000 ng

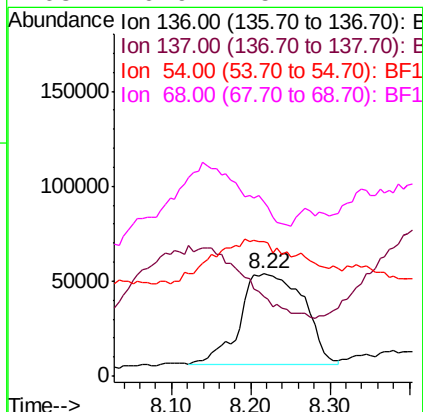
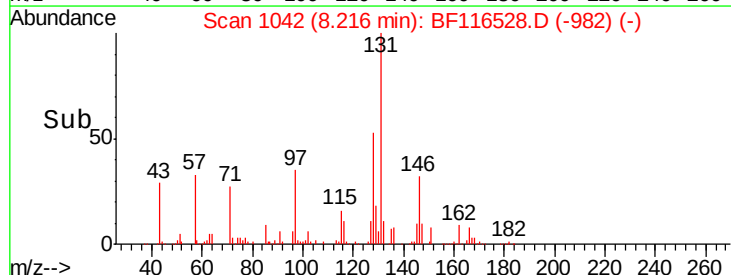
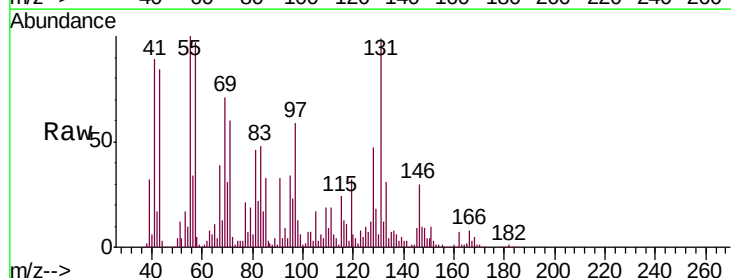
RT: 8.22 min Scan# 1042

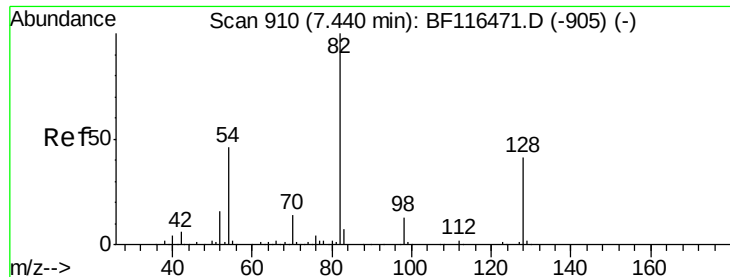
Delta R.T. 0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Tgt Ion:	136	Resp:	265803
Ion Ratio	Lower	Upper	
136	100		
137	77.3	9.0	13.4#
54	131.8	5.8	8.6#
68	170.9	5.1	7.7#





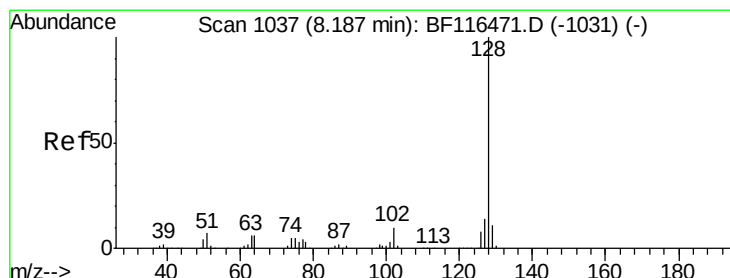
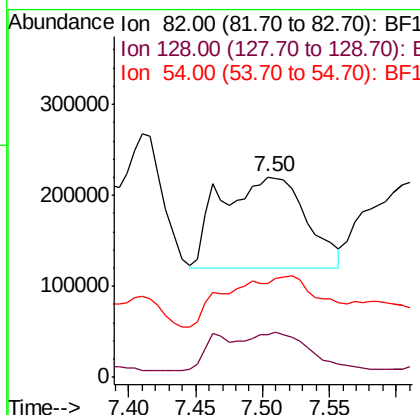
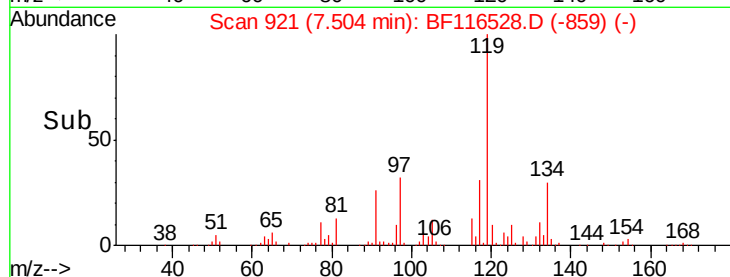
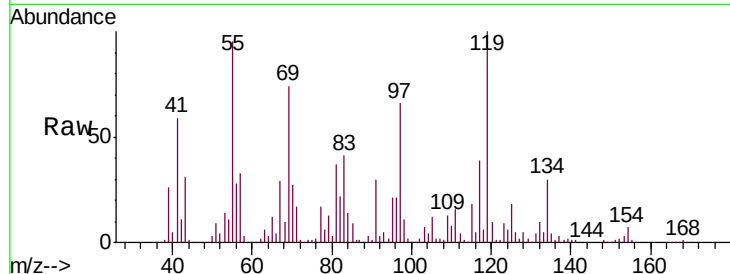
#23
 Nitrobenzene-d5
 Concen: 91.437 ng/ml
 RT: 7.50 min Scan# 921
 Delta R.T. 0.06 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Instrument :
 BNA_F
 ClientSampleId :
 GW-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	21.6	32.2	48.4#
54	47.1	36.5	54.7

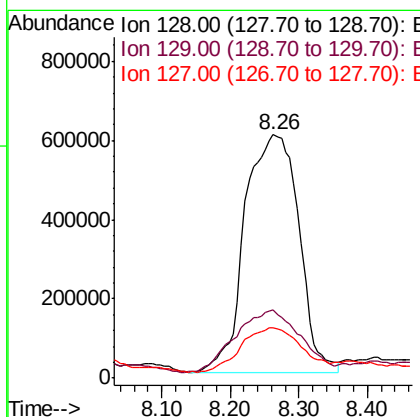
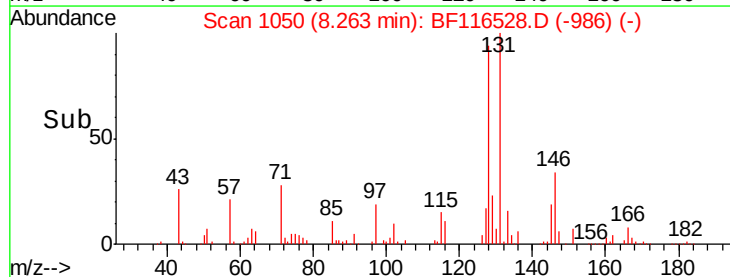
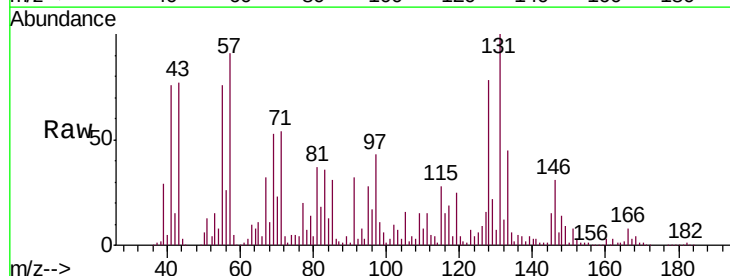
Manual Integrations
 APPROVED

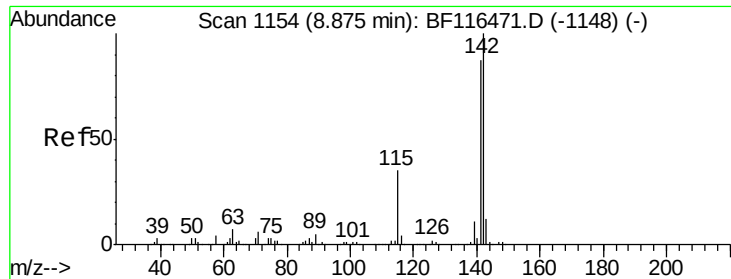
mohammad
 8/31/2019 3:49:05 PM



#31
 Naphthalene
 Concen: 254.215 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. 0.08 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	28.0	9.0	13.6#
127	20.7	10.9	16.3#





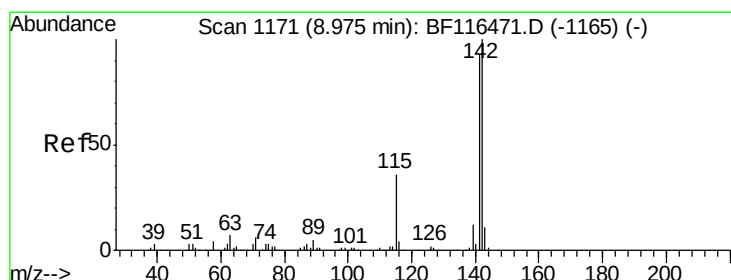
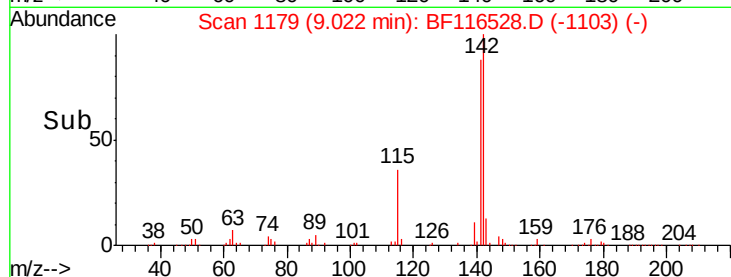
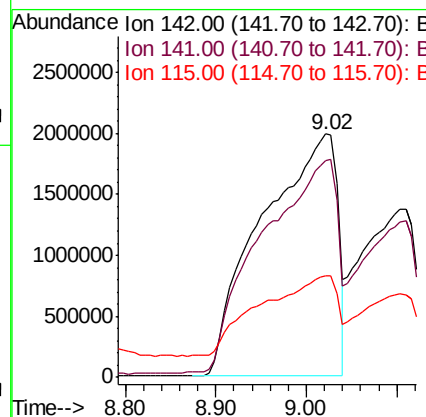
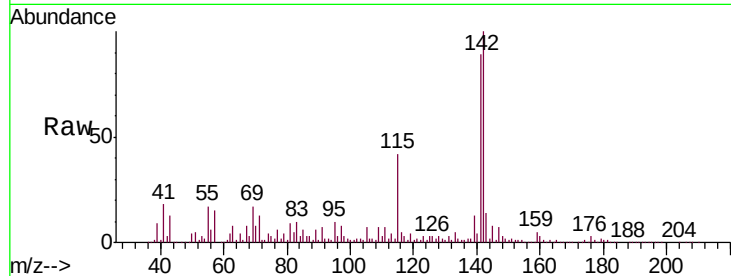
#37
2-Methylnaphthalene
Concen: 1295.489 ng m
RT: 9.02 min Scan# 1179
Delta R.T. 0.15 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampled :
GW-1

Tot Ion:142 Resp:11437477
Ion Ratio Lower Upper
142 100
141 89.2 69.8 104.6
115 41.8 27.7 41.5#

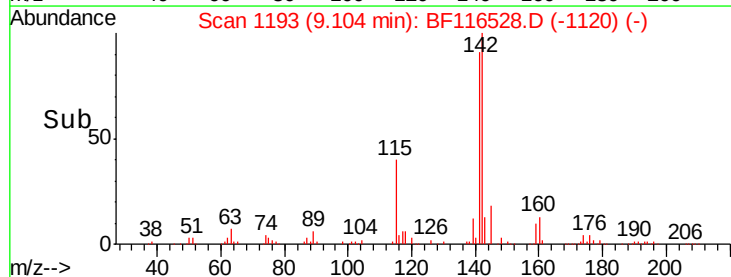
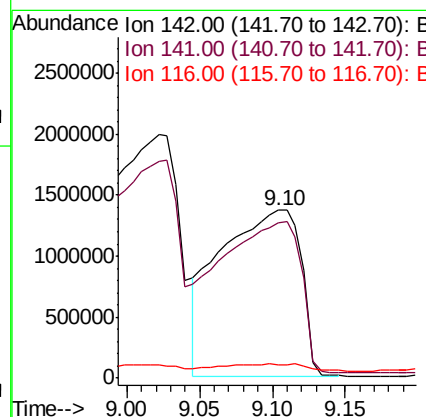
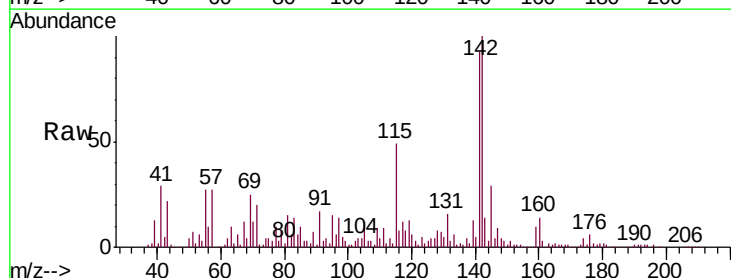
Manual Integrations
APPROVED

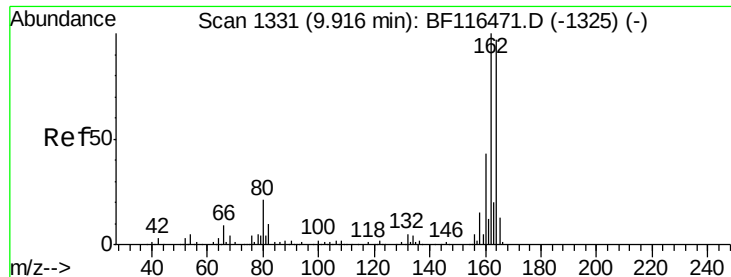
mohammad
8/31/2019 3:49:05 PM



#38
1-Methylnaphthalene
Concen: 642.745 ng m
RT: 9.10 min Scan# 1193
Delta R.T. 0.13 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:142 Resp: 5300852
Ion Ratio Lower Upper
142 100
141 92.6 74.2 111.2
116 8.1 2.9 4.3#





#39

Acenaphthene-d10

Concen: 20.000 ng m

RT: 10.04 min Scan# 1352

Delta R.T. 0.12 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

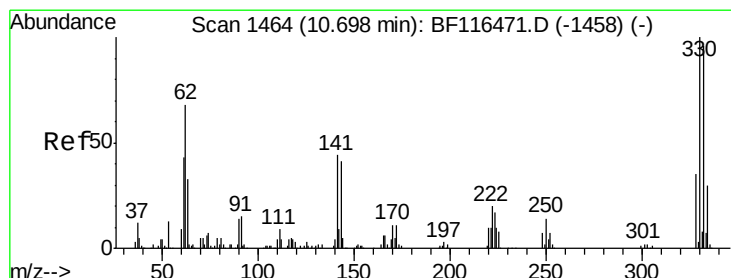
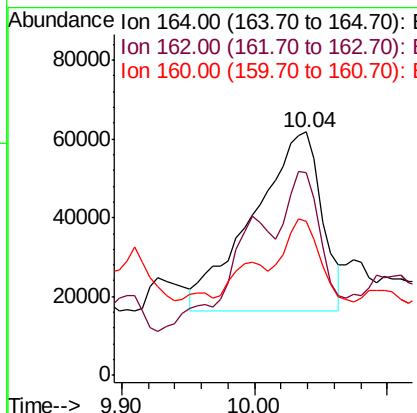
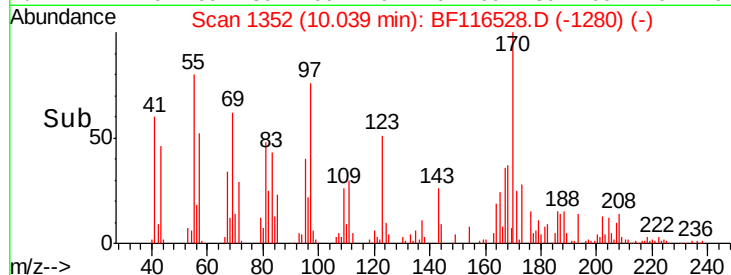
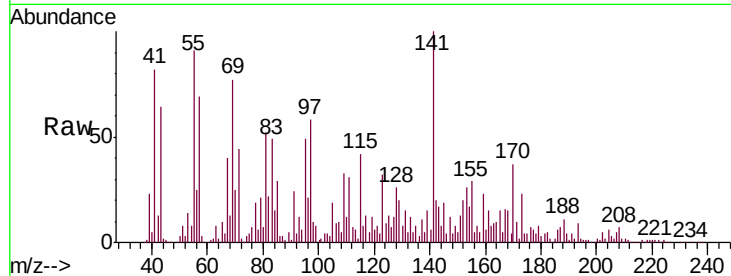
ClientSampled :

GW-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	162971		
162	83.4	82.6	123.8	
160	63.0	35.8	53.8#	

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM



#42

2,4,6-Tribromophenol

Concen: 61.235 ng m

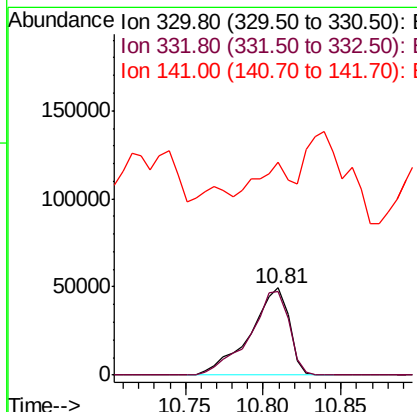
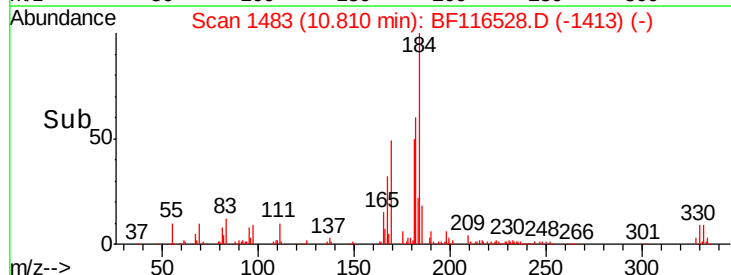
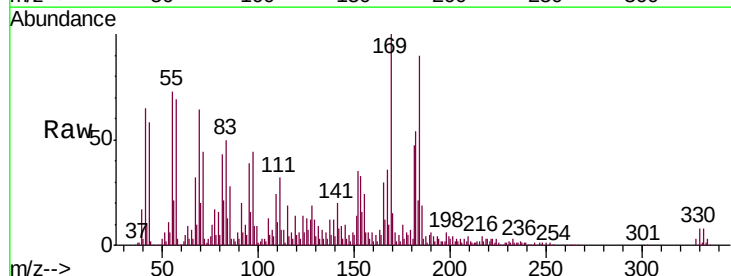
RT: 10.81 min Scan# 1483

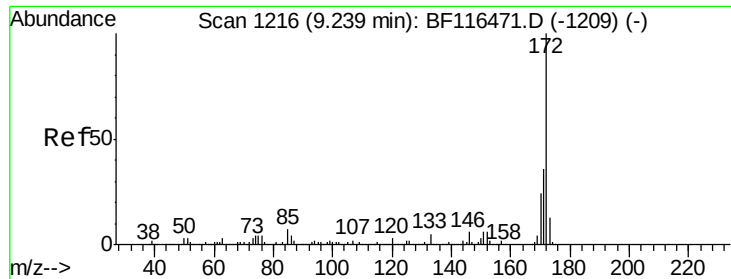
Delta R.T. 0.11 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	85691		
332	0.0	77.2	115.8#	
141	0.0	33.3	49.9#	





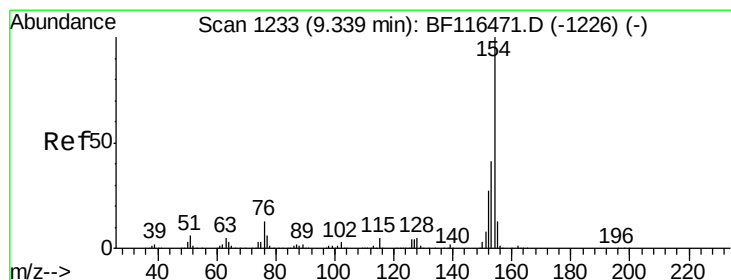
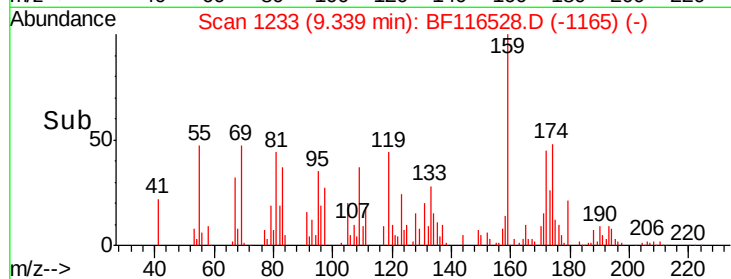
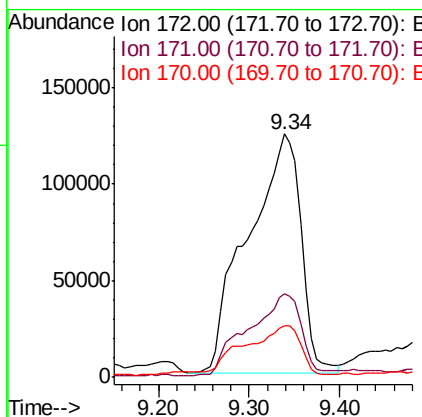
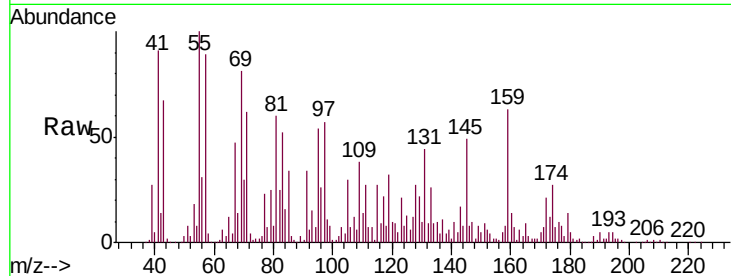
#45
2-Fluorobiphenyl
Concen: 49.894 ng
RT: 9.34 min Scan# 1233
Delta R.T. 0.10 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleId :
GW-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.9	43.3
170	21.2	19.4	29.0

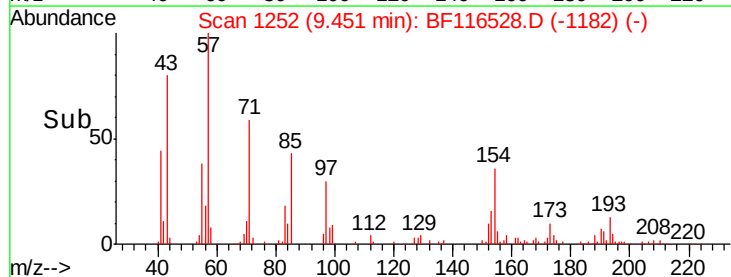
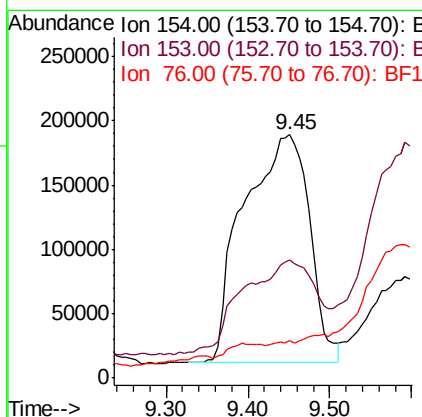
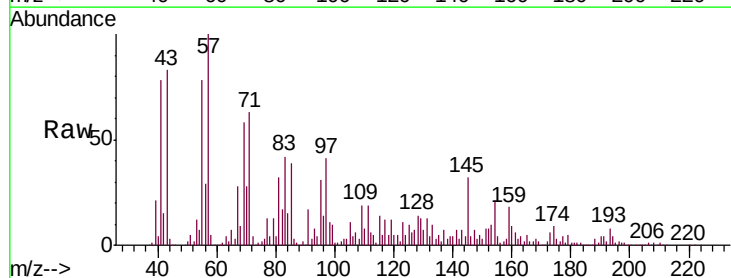
Manual Integrations
APPROVED

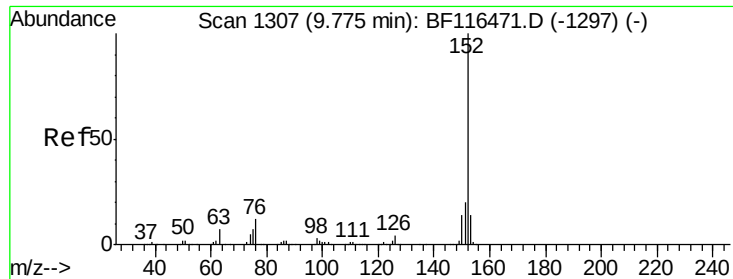
mohammad
8/31/2019 3:49:05 PM



#46
1,1'-Biphenyl
Concen: 75.837 ng
RT: 9.45 min Scan# 1252
Delta R.T. 0.11 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	48.7	21.3	61.3
76	15.2	0.0	32.9





#49

Acenaphthylene

Concen: 23.546 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.07 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

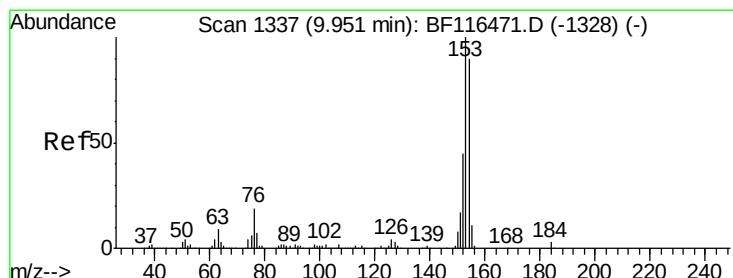
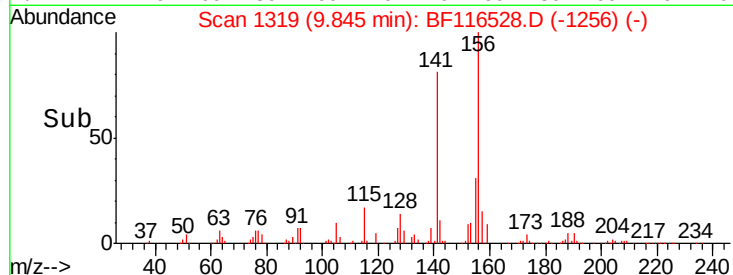
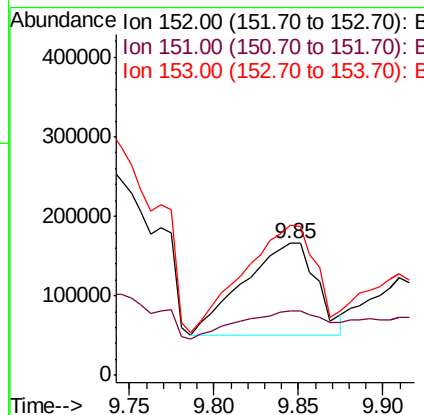
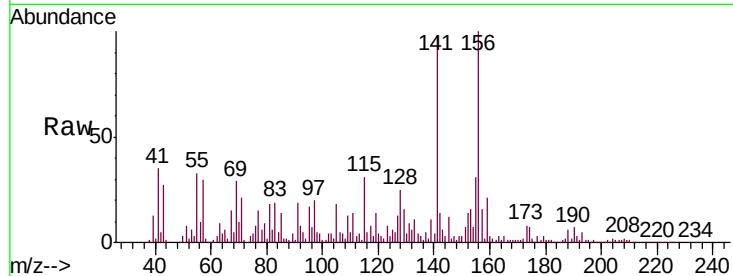
ClientSampled :

GW-1

Tot Ion:	152	Resp:	347978
Ion Ratio	Lower	Upper	
152	100		
151	48.5	16.1	24.1#
153	113.8	11.4	17.0#

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM



#52

Acenaphthene

Concen: 60.012 ng m

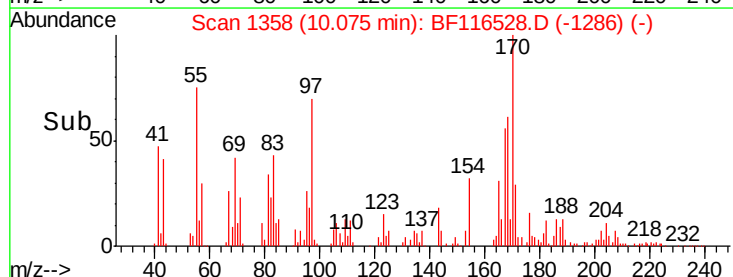
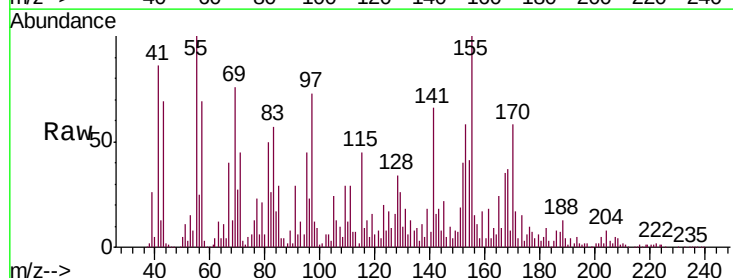
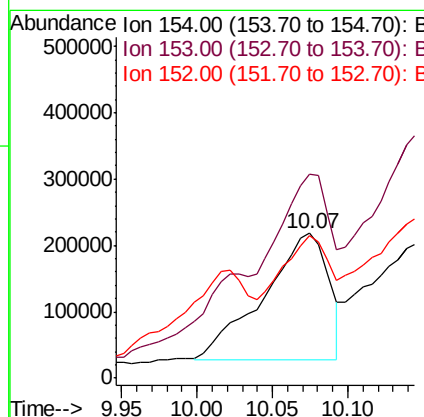
RT: 10.07 min Scan# 1358

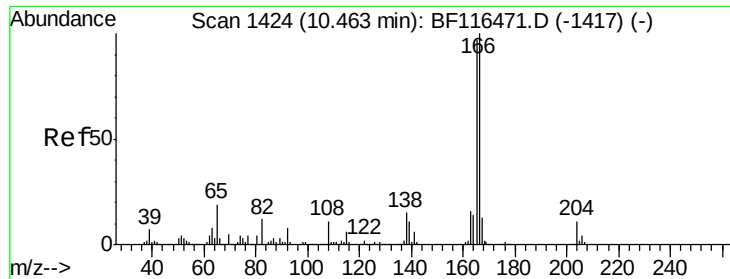
Delta R.T. 0.12 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Tgt Ion:	154	Resp:	569111
Ion Ratio	Lower	Upper	
154	100		
153	140.8	89.3	133.9#
152	98.3	40.2	60.4#





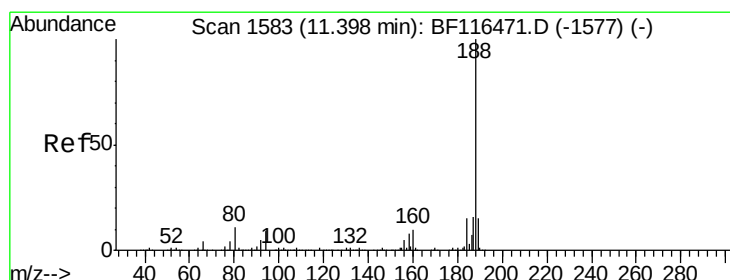
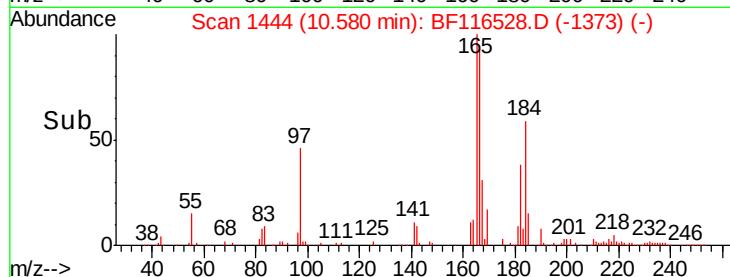
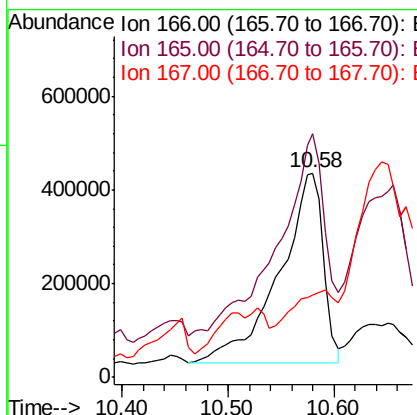
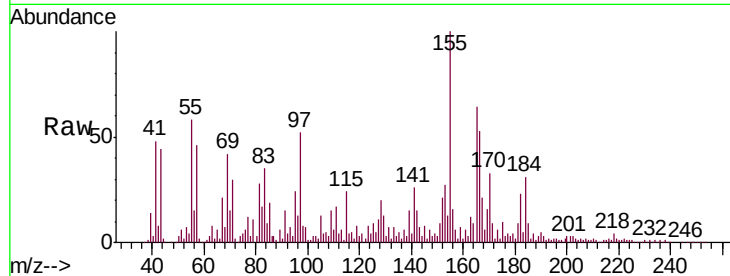
#58
 Fluorene
 Concen: 115.029 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.12 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Instrument :
 BNA_F
 ClientSampled :
 GW-1

Tot Ion:166 Resp: 1181404
 Ion Ratio Lower Upper
 166 100
 165 119.2 77.4 116.0#
 167 40.2 10.8 16.2#

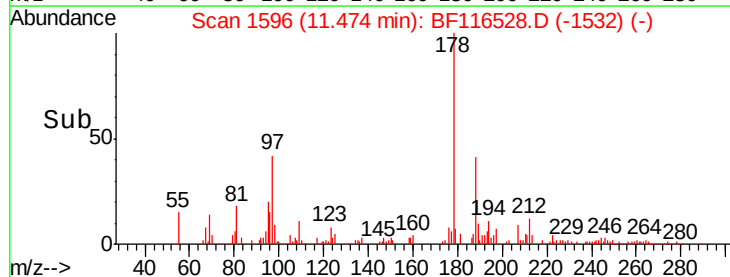
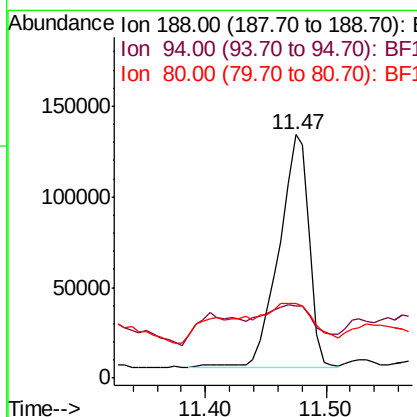
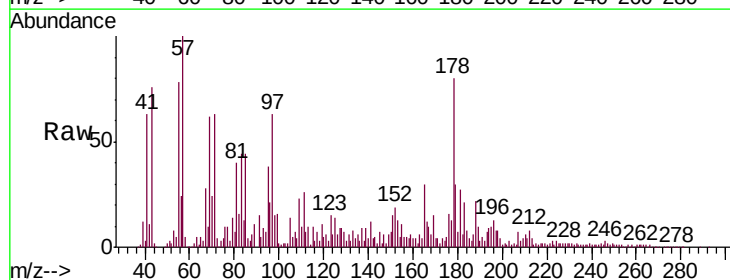
Manual Integrations
 APPROVED

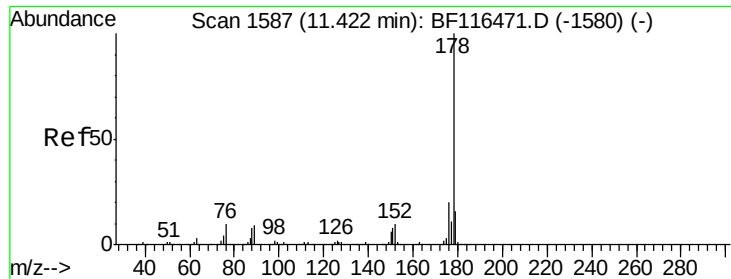
mohammad
 8/31/2019 3:49:05 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.08 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion:188 Resp: 222921
 Ion Ratio Lower Upper
 188 100
 94 29.7 7.4 11.2#
 80 30.9 8.6 12.8#





#71

Phenanthrene

Concen: 255.051 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.09 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

GW-1

Tot Ion:178 Resp: 3097294

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.6

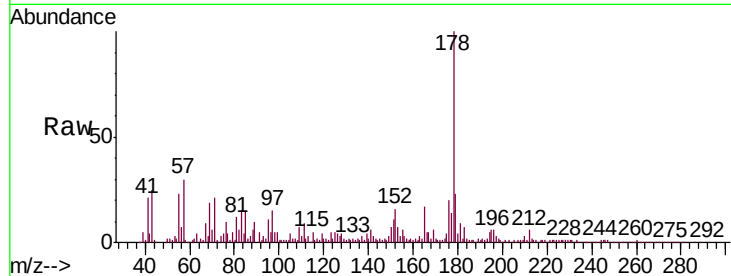
179 23.3 12.8 19.2#

Manual Integrations

APPROVED

mohammad

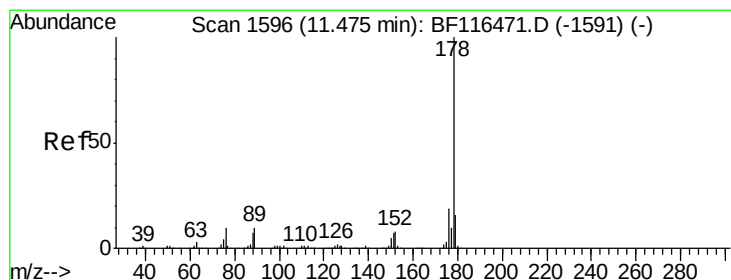
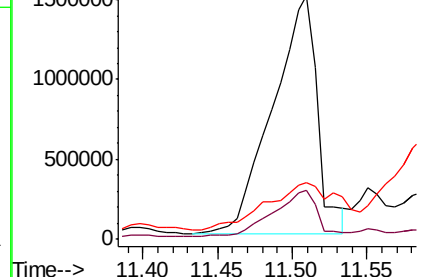
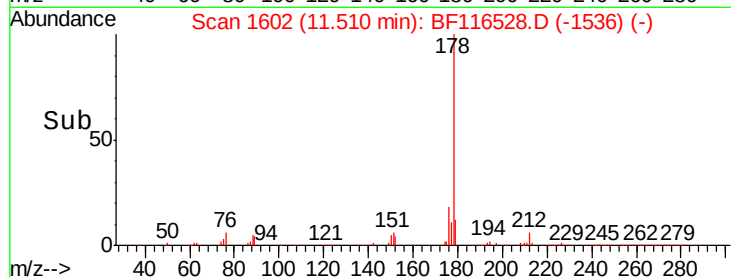
8/31/2019 3:49:05 PM



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



#72

Anthracene

Concen: 30.117 ng m

RT: 11.55 min Scan# 1609

Delta R.T. 0.08 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

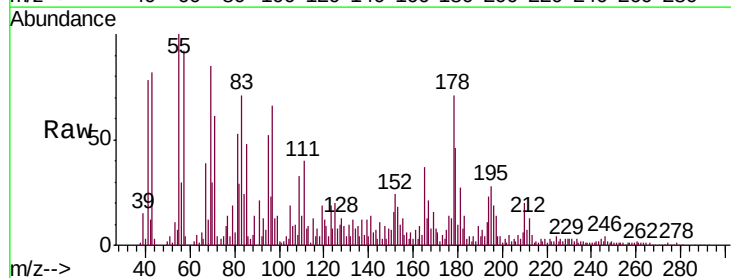
Tgt Ion:178 Resp: 367515

Ion Ratio Lower Upper

178 100

176 20.0 15.2 22.8

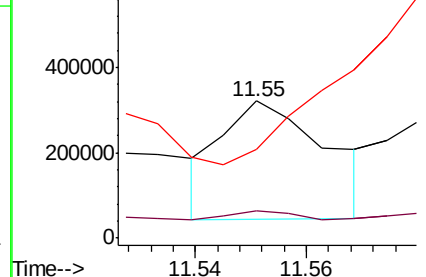
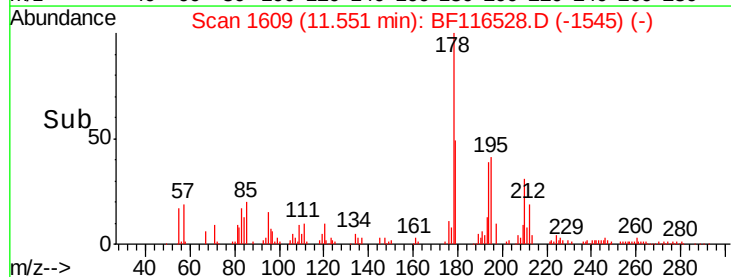
179 65.0 12.5 18.7#

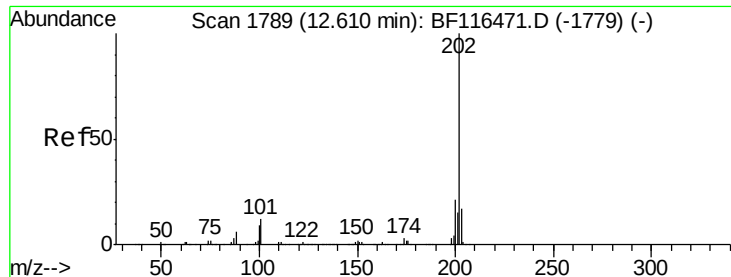


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.625 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

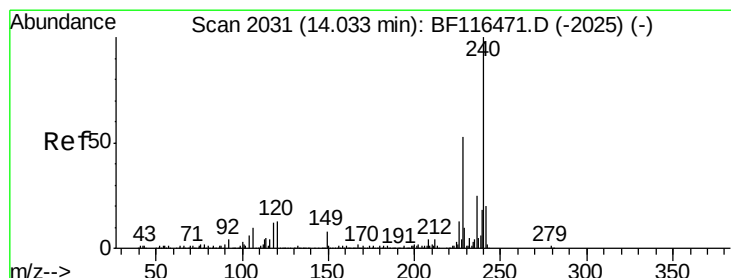
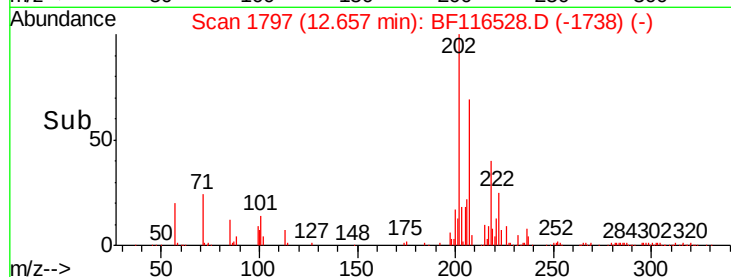
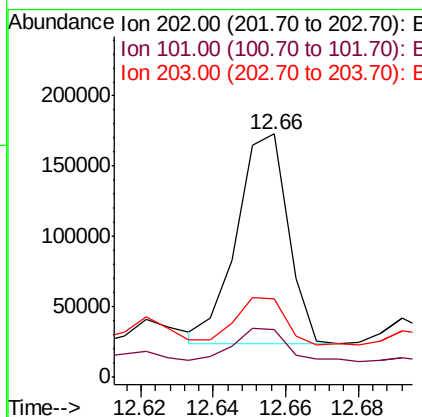
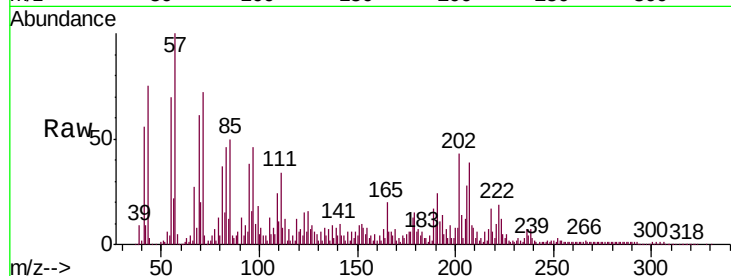
ClientSampleId :

GW-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	145956		
101	19.5	0.0	31.5	
203	32.1	0.0	37.5	

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM



#76

Chrysene-d12

Concen: 20.000 ng

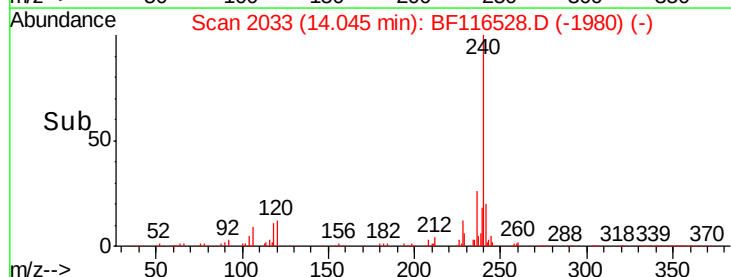
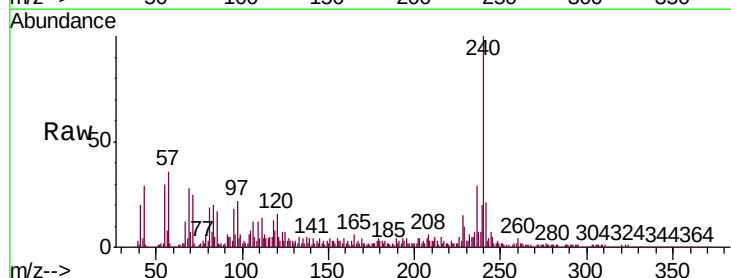
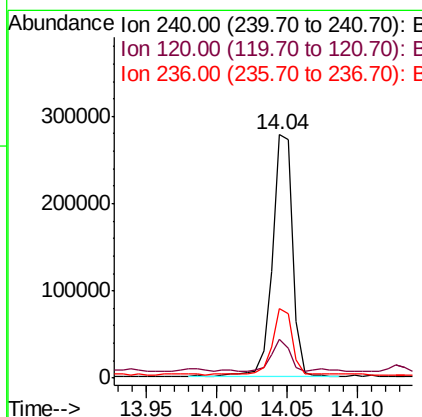
RT: 14.04 min Scan# 2033

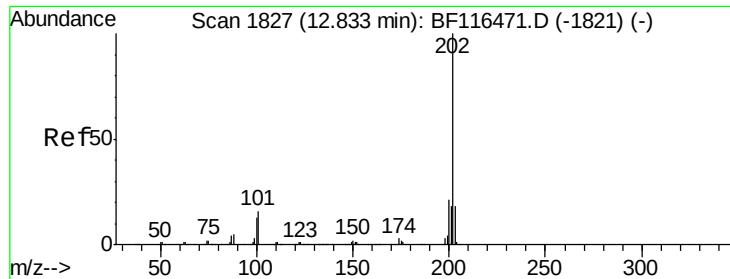
Delta R.T. 0.01 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	276824		
120	16.0	10.5	15.7#	
236	28.5	20.2	30.2	





#78

Pvrene

Concen: 20.481 ng/mL

RT: 12.87 min Scan# 1834

Delta R.T. 0.04 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

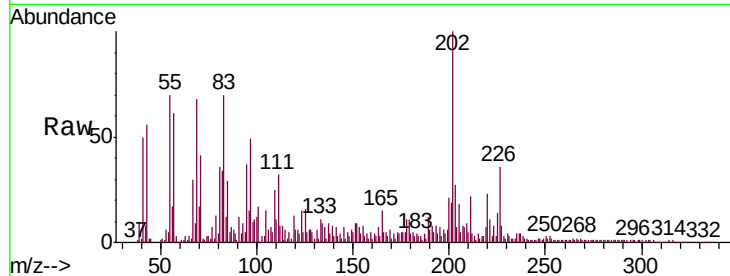
ClientSampleId :

GW-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		453405		
200	20.9	17.0	25.4		
203	26.8	14.2	21.4		

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM

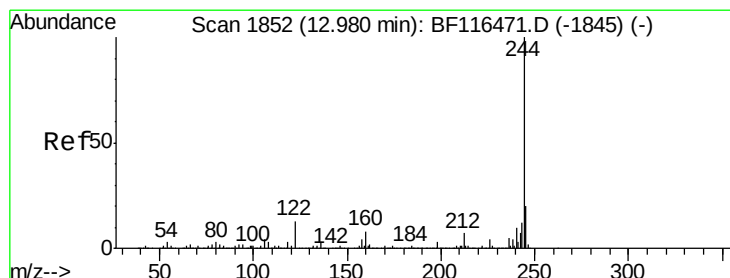
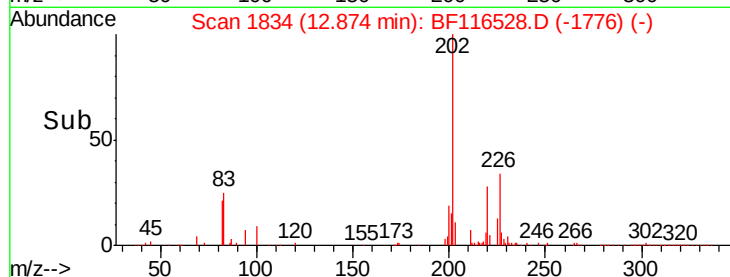
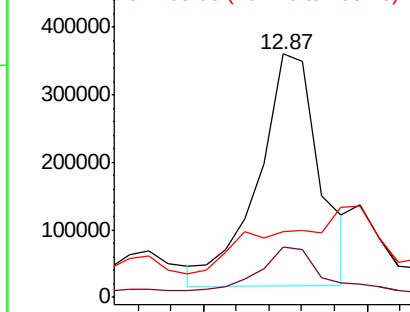


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 46.850 ng/mL

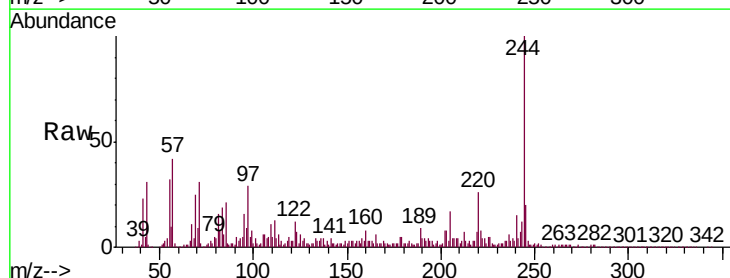
RT: 13.01 min Scan# 1857

Delta R.T. 0.03 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		694317		
212	7.2	5.7	8.5		
122	12.0	10.2	15.4		

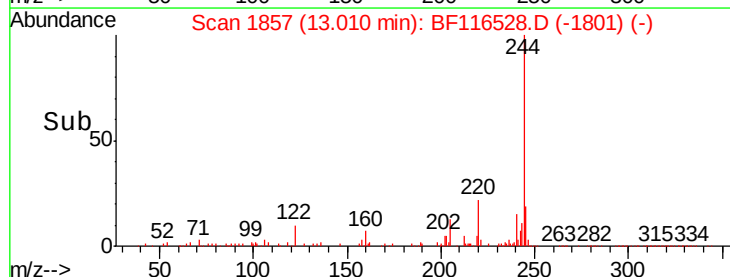
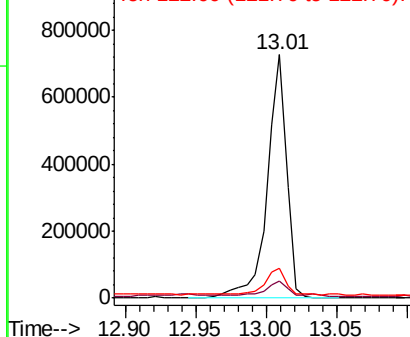


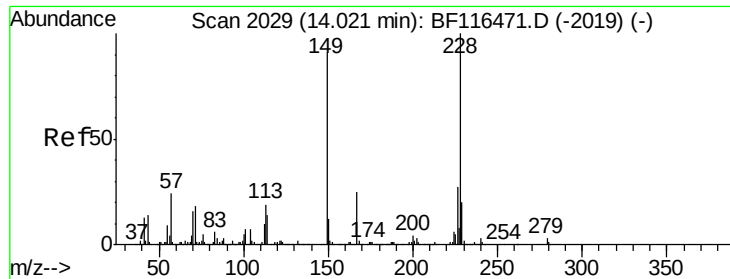
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





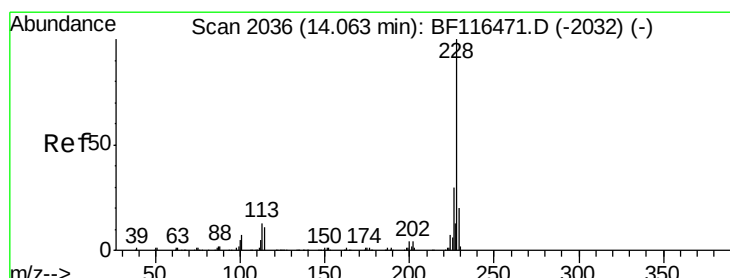
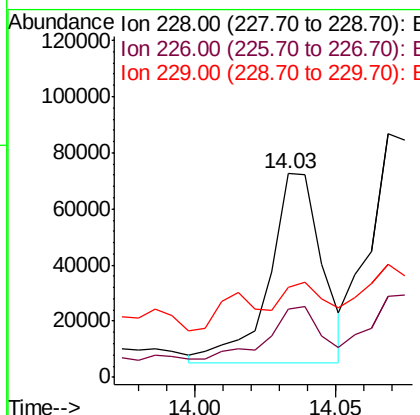
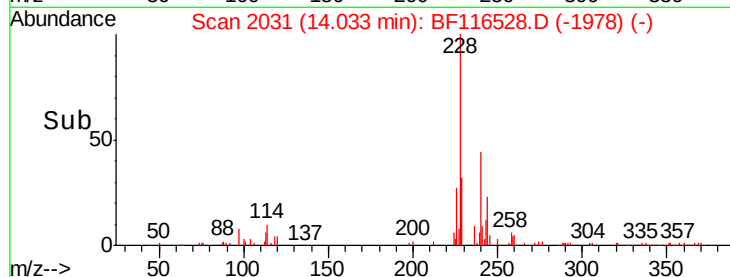
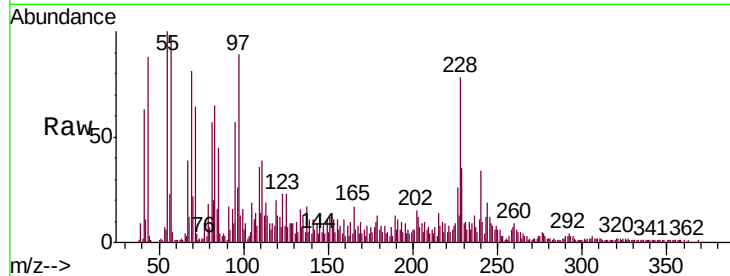
#81
Benzo(a)anthracene
Concen: 4.955 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampled :
GW-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	21.8	32.6#
229	44.5	15.9	23.9#

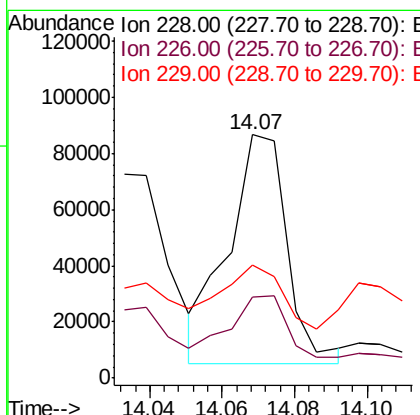
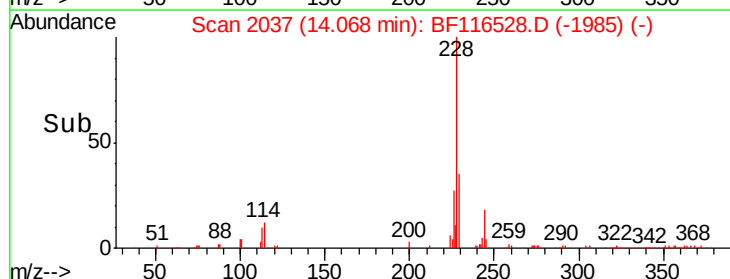
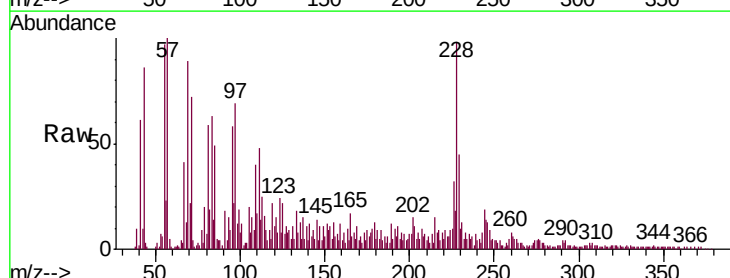
Manual Integrations
APPROVED

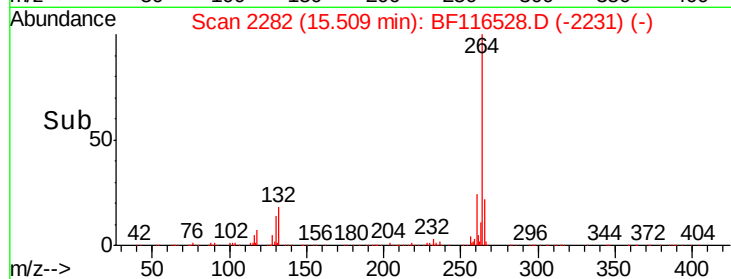
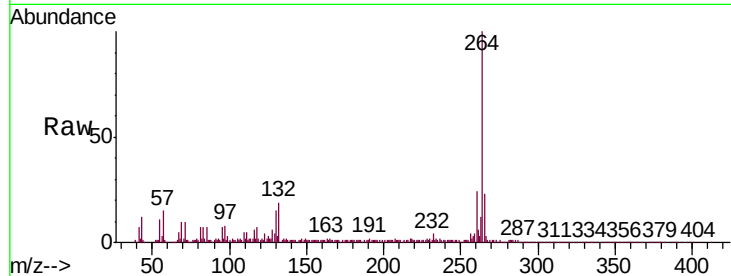
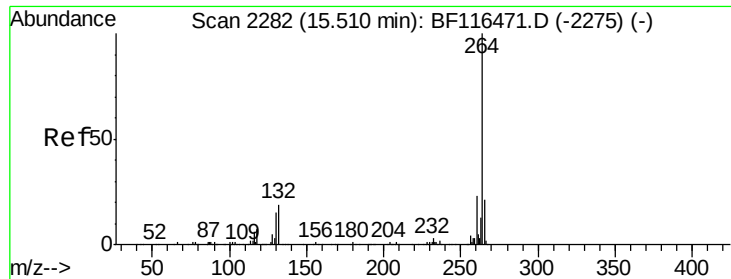
mohammad
8/31/2019 3:49:05 PM



#83
Chrysene
Concen: 5.061 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.2	36.2
229	46.3	15.8	23.6#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleId :
GW-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
343685	264	100			
	260	24.2		18.8	28.2
	265	22.9		17.1	25.7

Manual Integrations
APPROVED

mohammad
8/31/2019 3:49:05 PM

