

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116781.D
 Acq On : 3 Sep 2019 19:12
 Operator : HP/JU
 Sample : K4554-41
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-(0-2)

Manual Integrations
 APPROVED

mohammad
 9/6/2019 8:18:15 AM

Quant Time: Sep 04 07:02:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131357	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	519316	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	262397	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	421119	20.00	ng	0.00
76) Chrysene-d12	13.99	240	286142	20.00	ng	0.00
87) Perylene-d12	15.45	264	323826	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	819768	101.10	ng	0.00
7) Phenol-d6	6.48	99	1098837	103.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	668459	73.48	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	222972	127.11	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1067784	68.65	ng	0.00
79) Terphenyl-d14	12.95	244	909213	58.78	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	84839	4.683	ng	Qvalue # 98
71) Phenanthrene	11.39	178	56940	2.429	ng	97
75) Fluoranthene	12.57	202	94121	4.085	ng	98
78) Pyrene	12.80	202	85834	3.374	ng	99
81) Benzo(a)anthracene	13.98	228	40628	2.243	ng	99
83) Chrysene	14.02	228	38275	2.051	ng	95
88) Benzo(b)fluoranthene	15.02	252	48883m	2.497	ng	
90) Benzo(a)pyrene	15.38	252	37492	2.201	ng	# 94

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

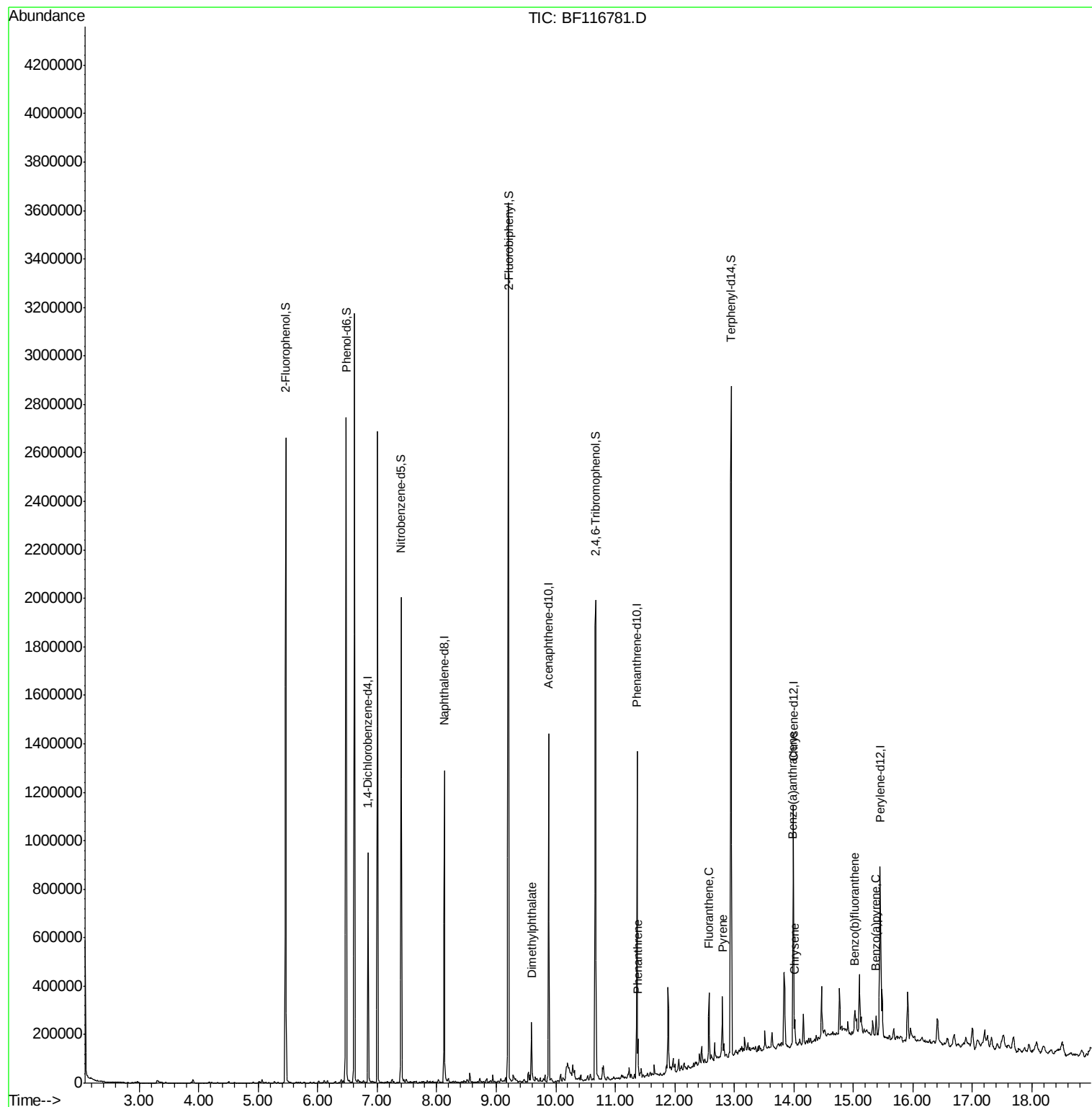
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116781.D
Acq On : 3 Sep 2019 19:12
Operator : HP/JU
Sample : K4554-41
Misc :
ALS Vial : 19 Sample Multiplier: 1

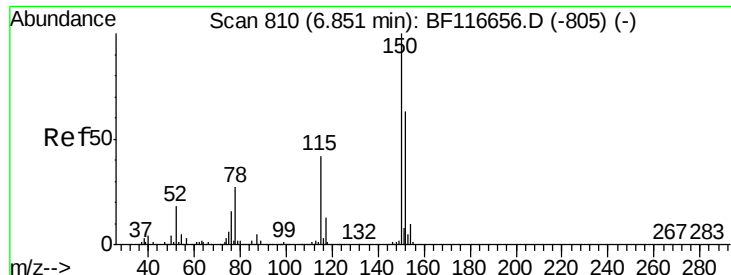
Instrument :
BNA_F
ClientSampleId :
SB-3-(0-2)

Quant Time: Sep 04 07:02:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
9/6/2019 8:18:15 AM





#1

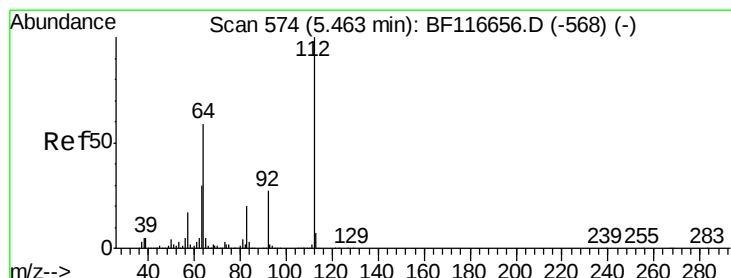
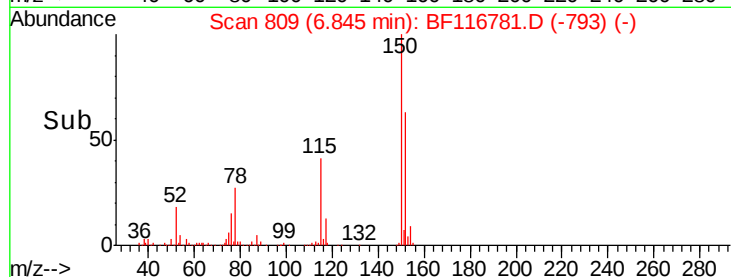
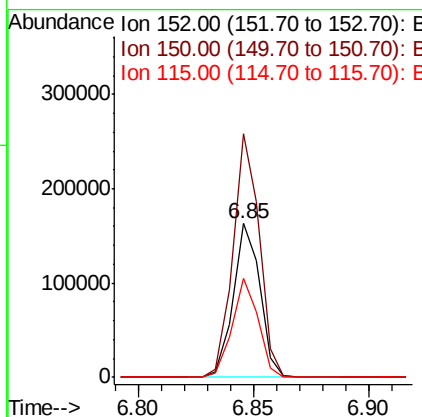
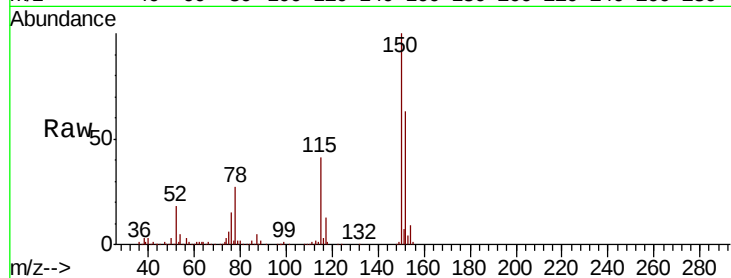
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :
SB-3-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	131357		
150	158.3	124.4	186.6	
115	64.1	49.9	74.9	

Manual Integrations
APPROVED

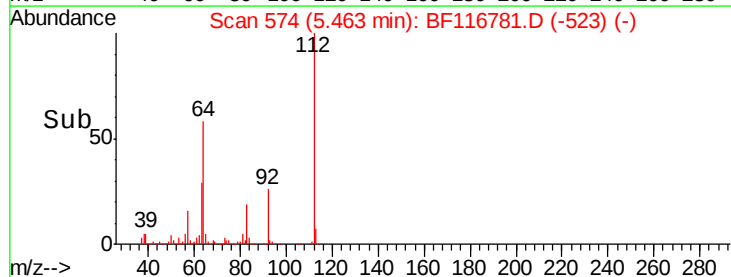
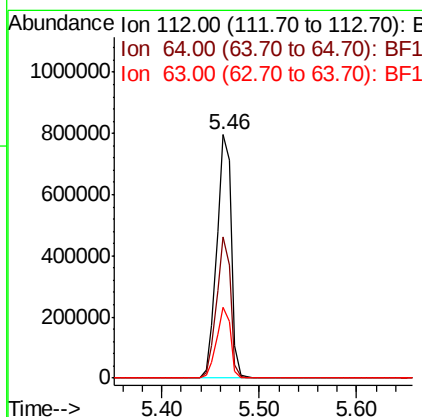
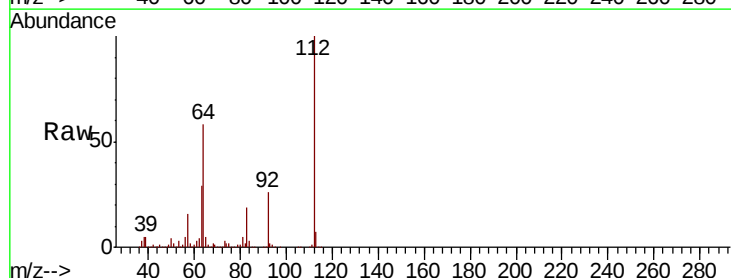
mohammad
9/6/2019 8:18:15 AM

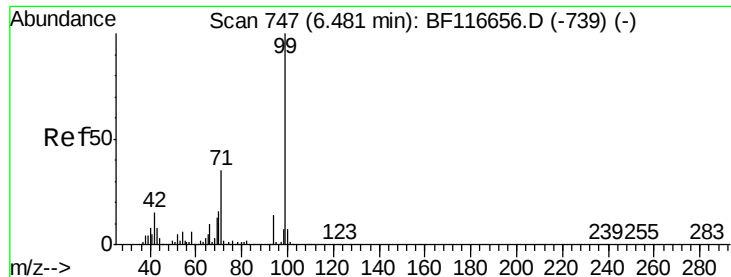


#5

2-Fluorophenol
Concen: 101.104 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	819768		
64	58.1	47.1	70.7	
63	29.0	24.9	37.3	





#7

Phenol-d6

Concen: 103.207 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Instrument :

BNA_F

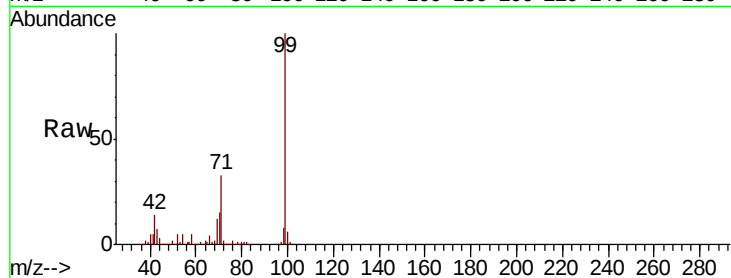
ClientSampleId :

SB-3-(0-2)

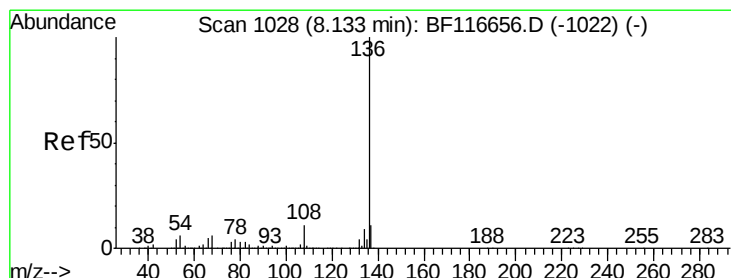
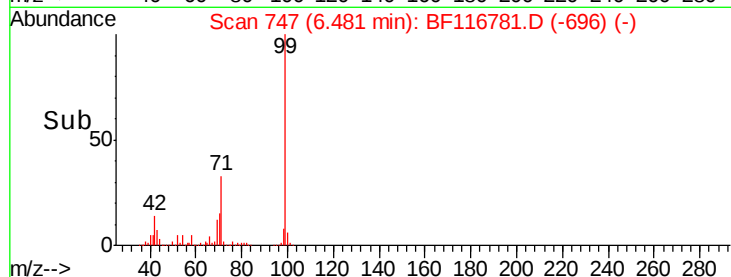
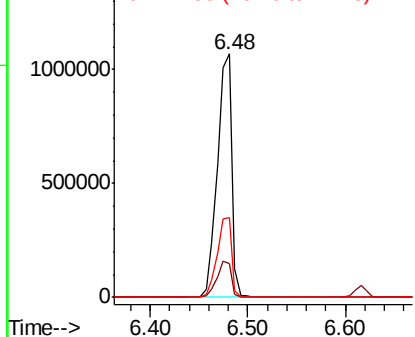
Tot Ion:	99	Resp:	1098837
Ion	Ratio	Lower	Upper
99	100		
42	13.6	13.7	20.5#
71	32.5	30.8	46.2

Manual Integrations
APPROVED

mohammad
9/6/2019 8:18:15 AM



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

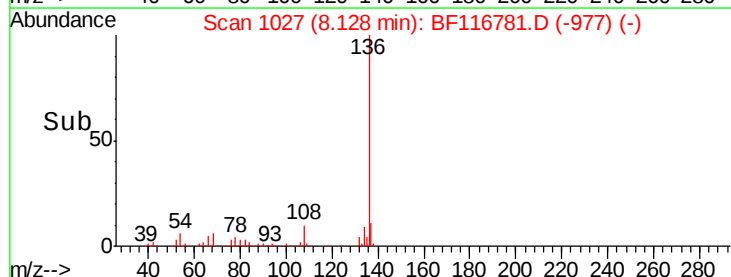
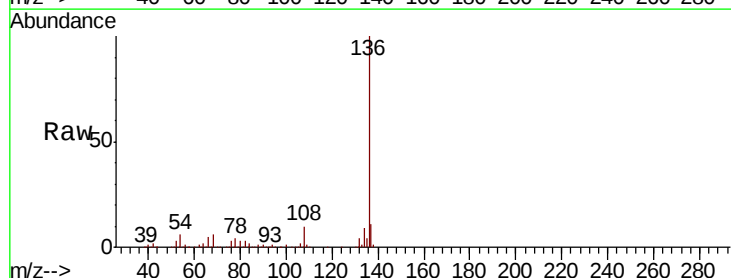
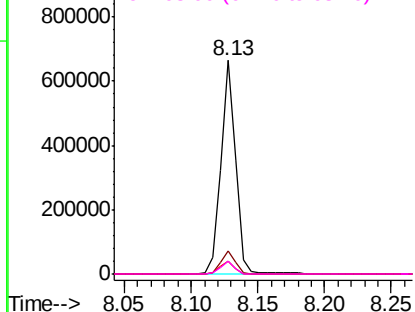
Delta R.T. -0.01 min

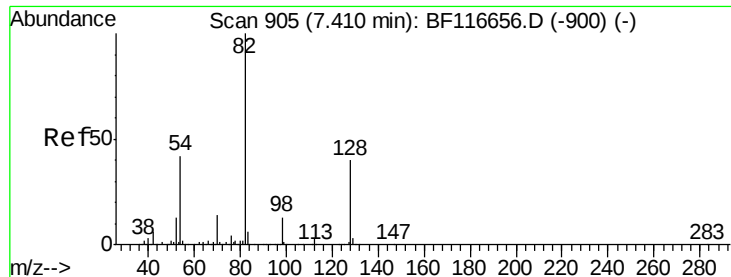
Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Tgt Ion:	136	Resp:	519316
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	5.9	4.8	7.2
68	6.0	4.0	6.0#

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





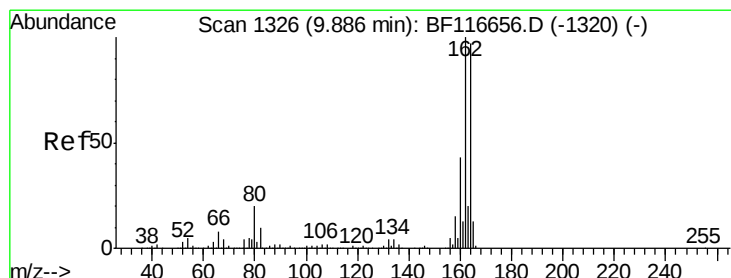
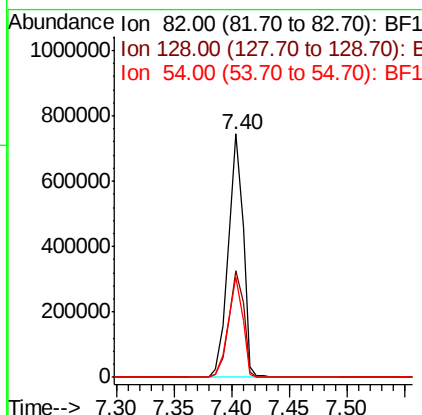
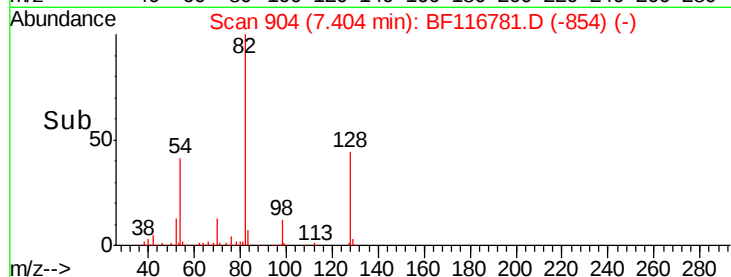
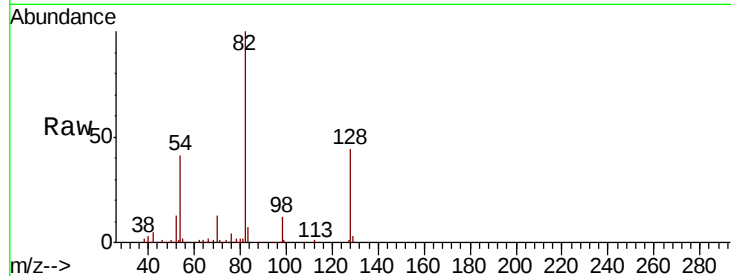
#23
Nitrobenzene-d5
Concen: 73.482 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :
SB-3-(0-2)

Tot Ion	82	Resp	668459
Ion Ratio	Lower	Upper	
82	100		
128	44.0	32.8	49.2
54	41.0	36.9	55.3

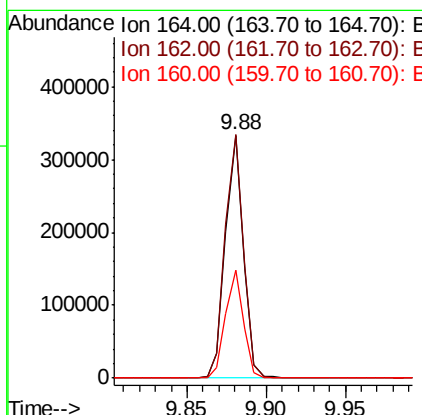
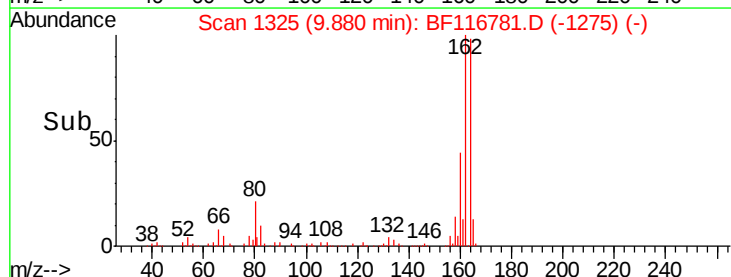
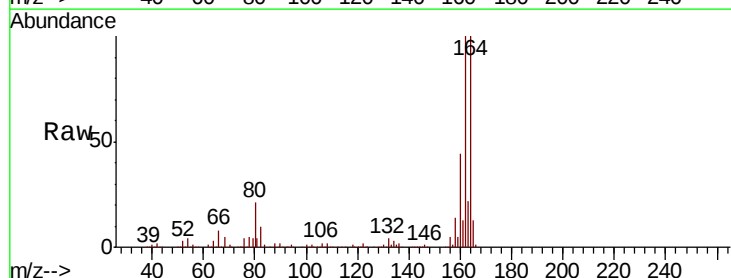
Manual Integrations
APPROVED

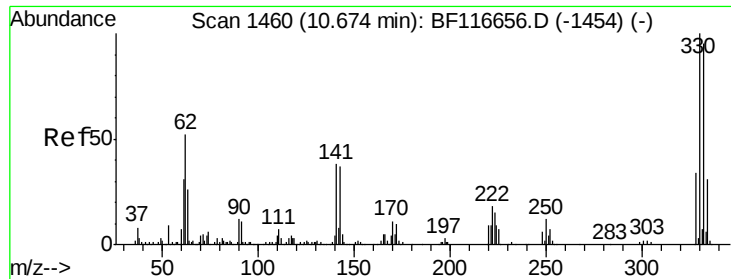
mohammad
9/6/2019 8:18:15 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	164	Resp	262397
Ion Ratio	Lower	Upper	
164	100		
162	100.3	81.4	122.0
160	44.3	35.4	53.2





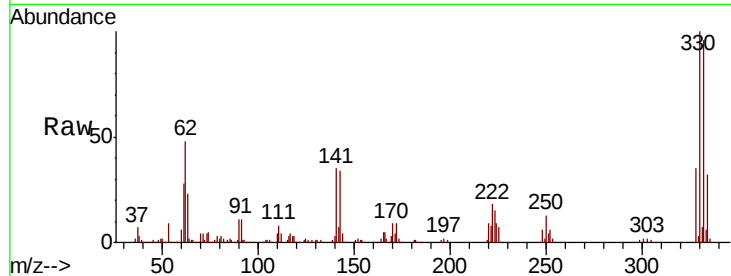
#42
 2,4,6-Tribromophenol
 Concen: 127.109 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-(0-2)

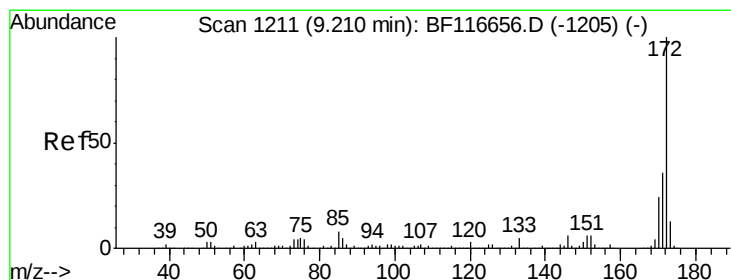
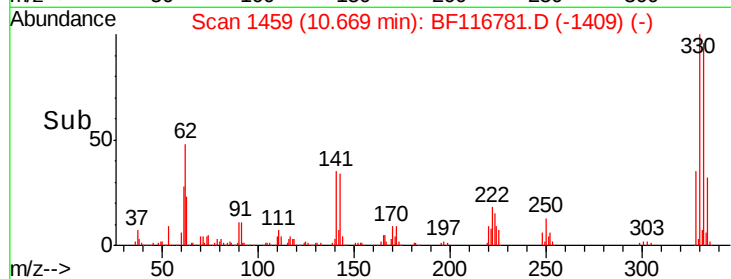
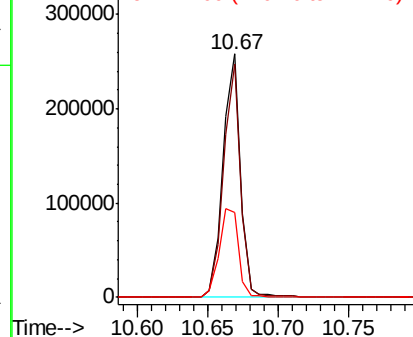
Tot Ion	Ratio	Resp	Lower	Upper
330	100	222972		
332	94.0	76.9	115.3	
141	41.1	31.4	47.2	

Manual Integrations
 APPROVED

mohammad
 9/6/2019 8:18:15 AM

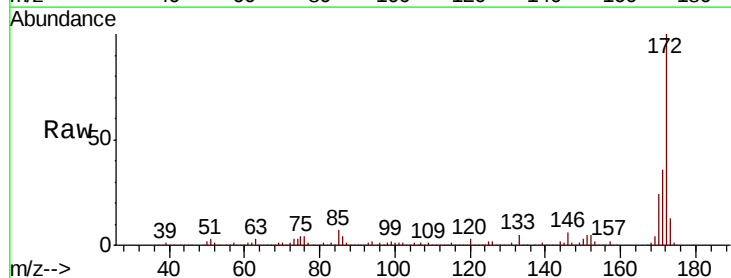


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

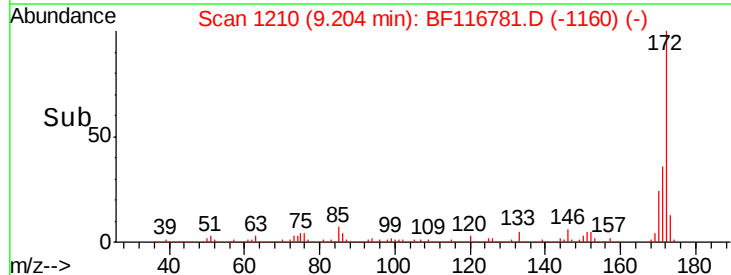
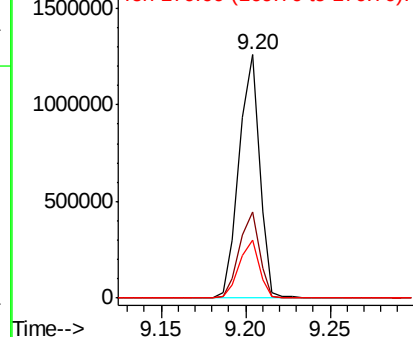


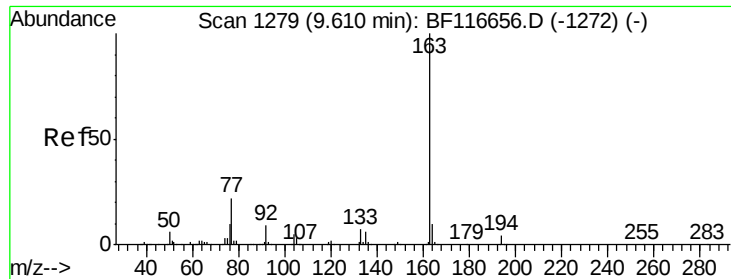
#45
 2-Fluorobiphenyl
 Concen: 68.646 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1067784		
171	35.6	27.8	41.6	
170	23.7	18.9	28.3	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





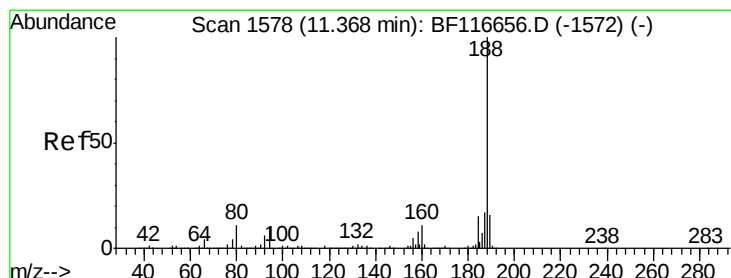
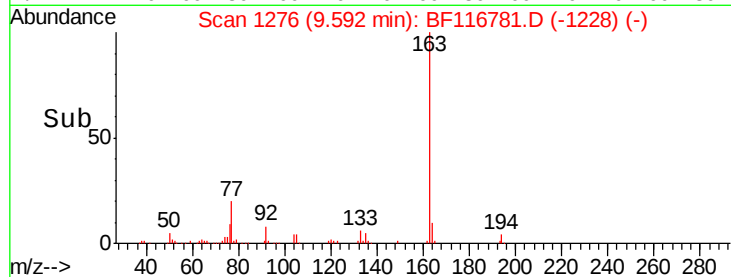
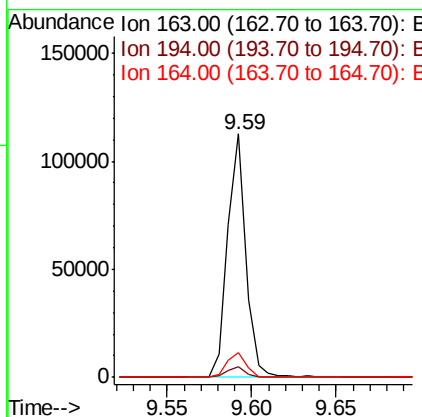
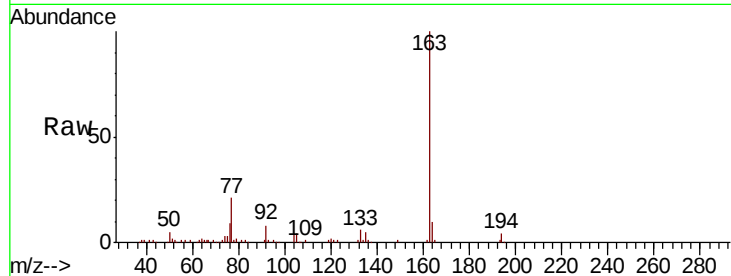
#50
Dimethylphthalate
Concen: 4.683 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :
SB-3-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	84839		
194	4.3		2.8	4.2#
164	10.0		8.6	12.8

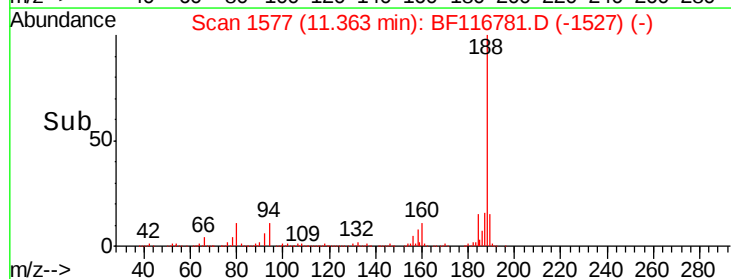
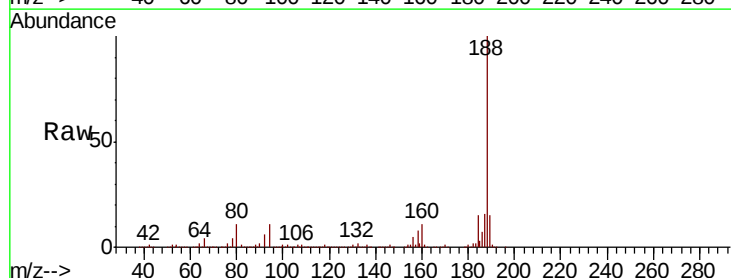
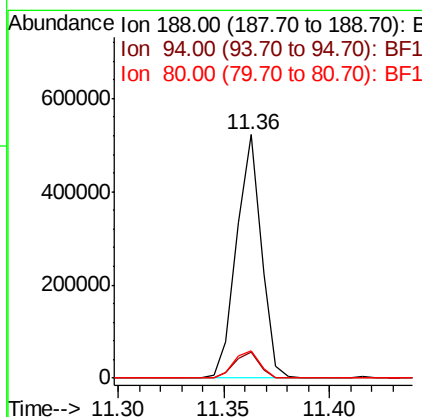
Manual Integrations
APPROVED

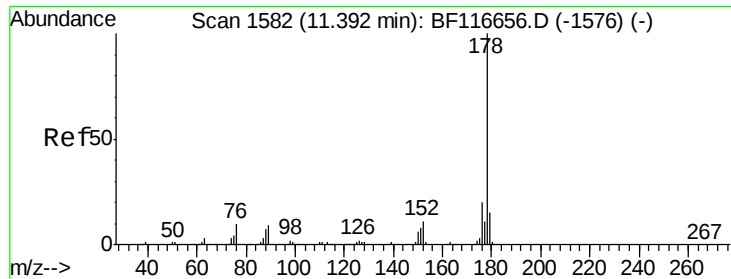
mohammad
9/6/2019 8:18:15 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	421119		
94	10.8		7.3	10.9
80	11.4		8.4	12.6





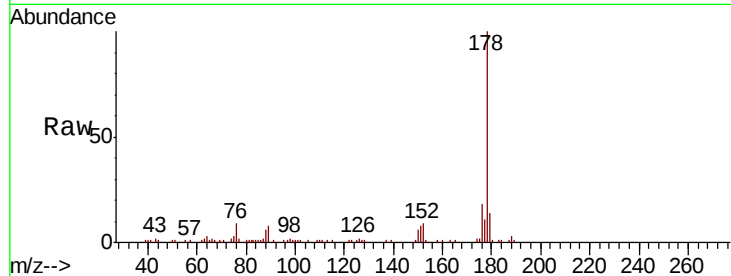
#71
Phenanthrene
Concen: 2.429 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :
SB-3-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	14.0	12.2	18.2

Manual Integrations
APPROVED

mohammad
9/6/2019 8:18:15 AM

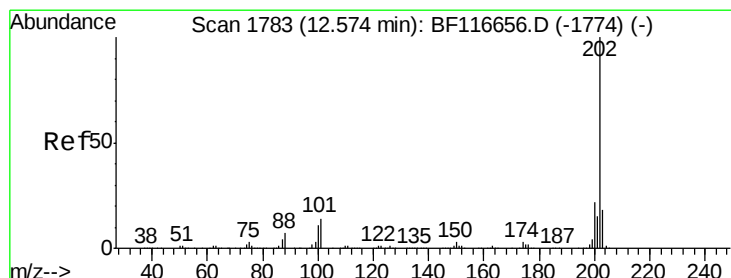
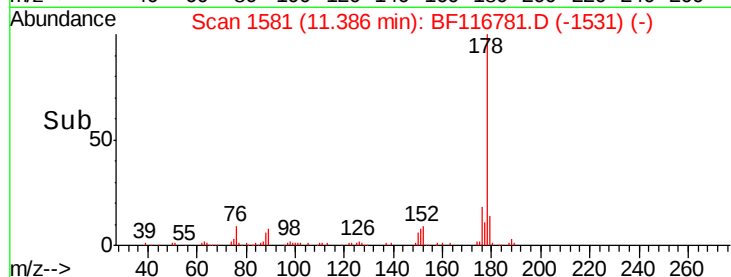
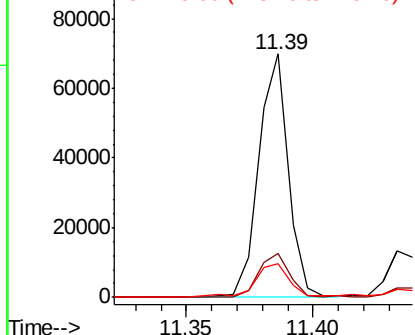


Abundance

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: 4.085 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

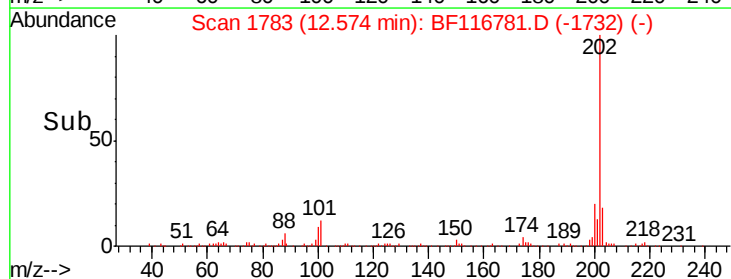
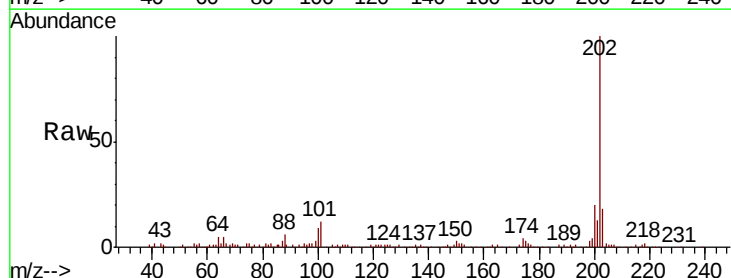
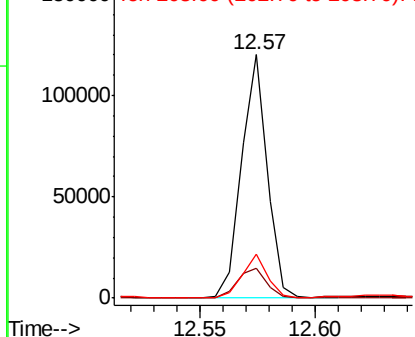
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.3
203	18.0	0.0	37.6

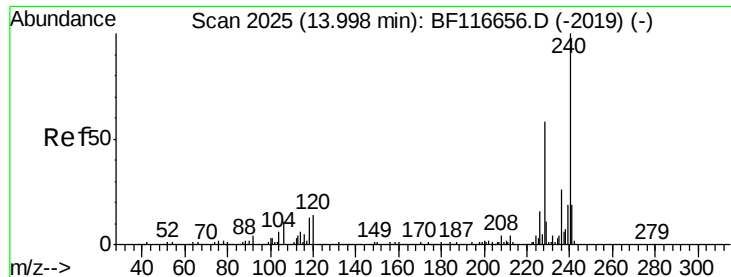
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Instrument :

BNA_F

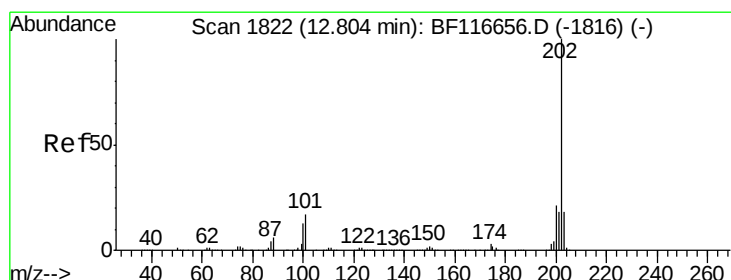
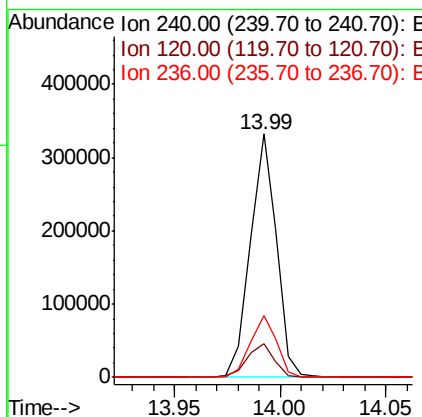
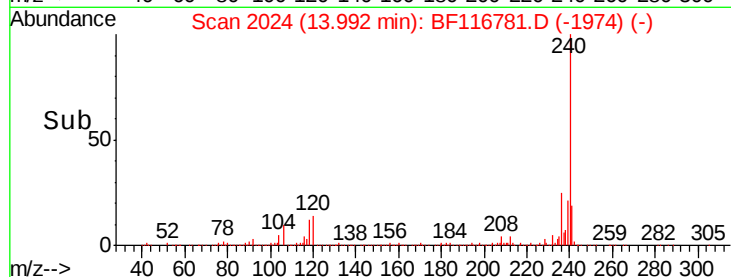
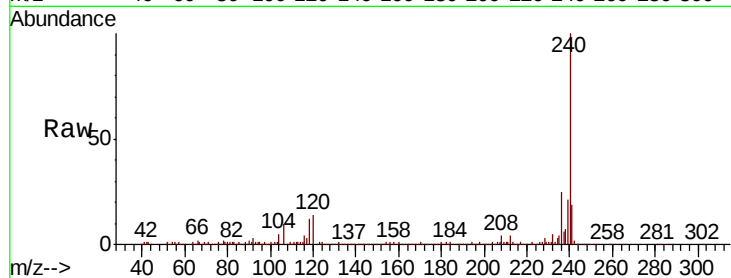
ClientSampleId :

SB-3-(0-2)

Tot Ion:	240	Resp:	286142
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.1	13.7#
236	25.3	21.1	31.7

Manual Integrations
APPROVED

mohammad
9/6/2019 8:18:15 AM



#78

Pyrene

Concen: 3.374 ng

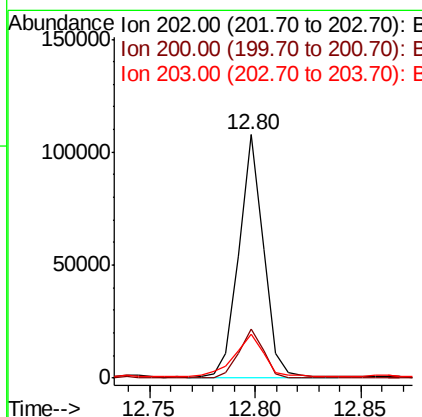
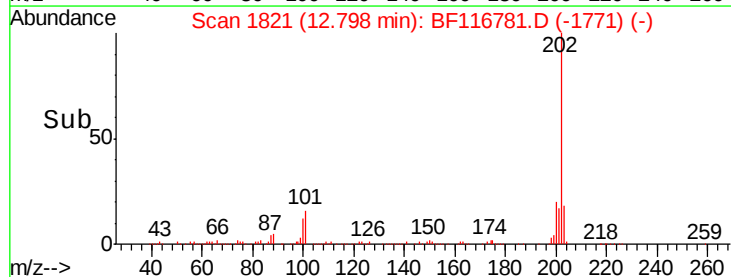
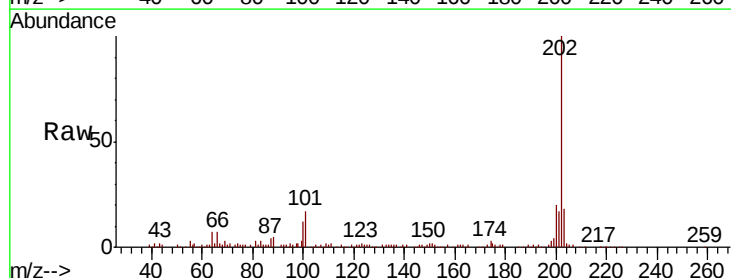
RT: 12.80 min Scan# 1821

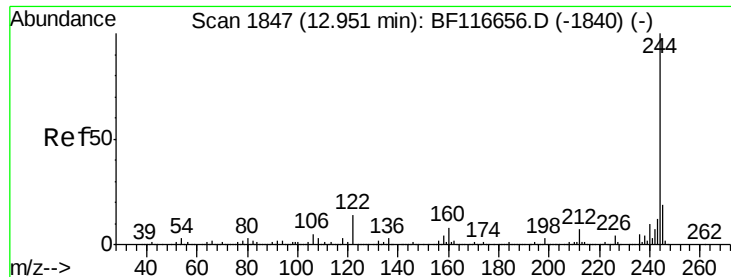
Delta R.T. -0.01 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Tgt Ion:	202	Resp:	85834
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.5	24.7
203	18.1	13.7	20.5





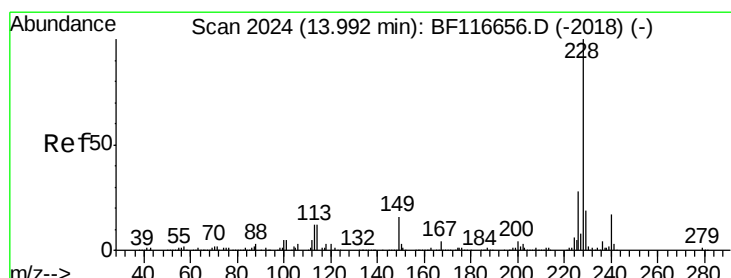
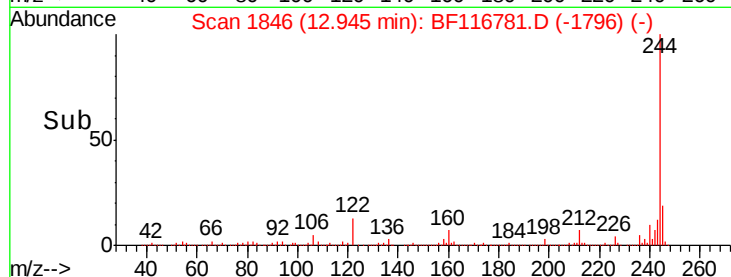
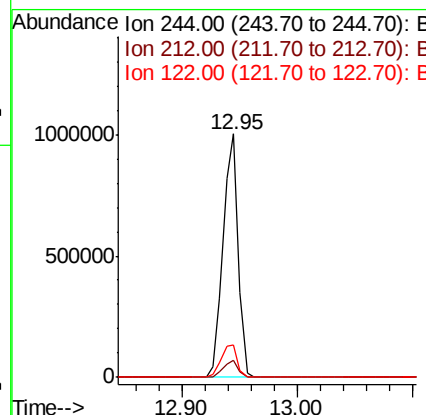
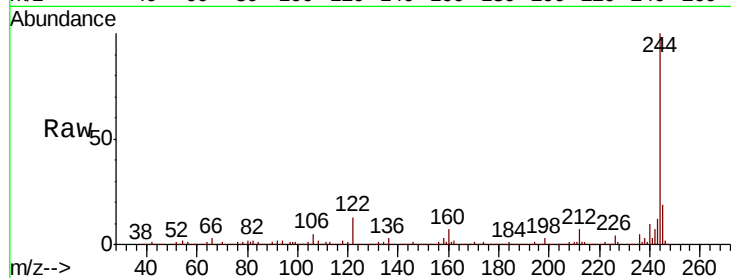
#79
 Terphenyl-d14
 Concen: 58.782 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Instrument :
 BNA_F
 ClientSampled :
 SB-3-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	13.1	10.2	15.4

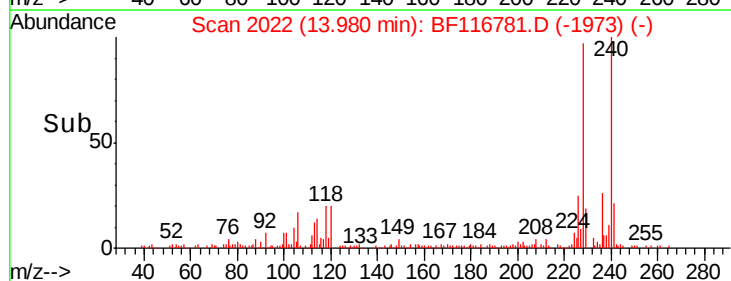
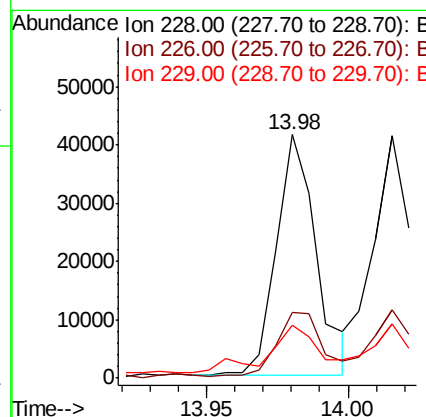
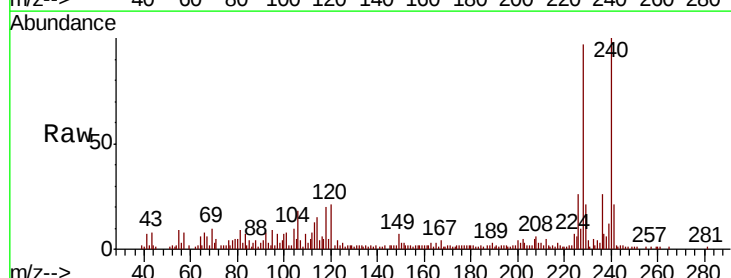
Manual Integrations
 APPROVED

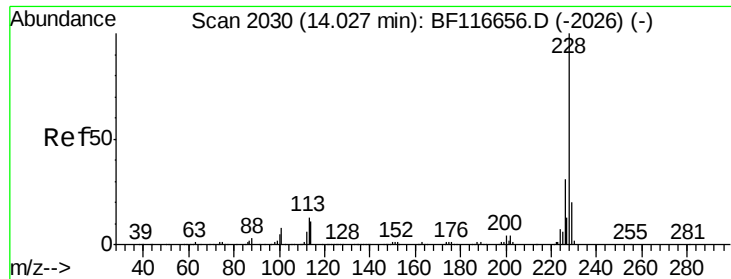
mohammad
 9/6/2019 8:18:15 AM



#81
 Benzo(a)anthracene
 Concen: 2.243 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	21.6	16.4	24.6





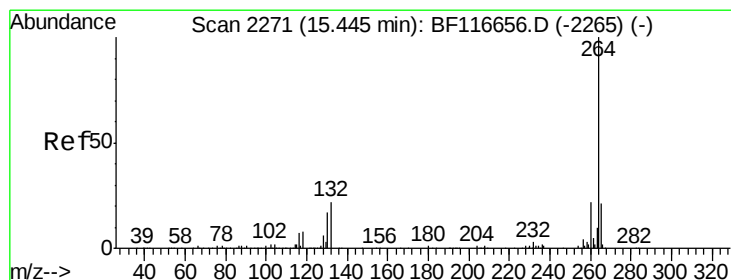
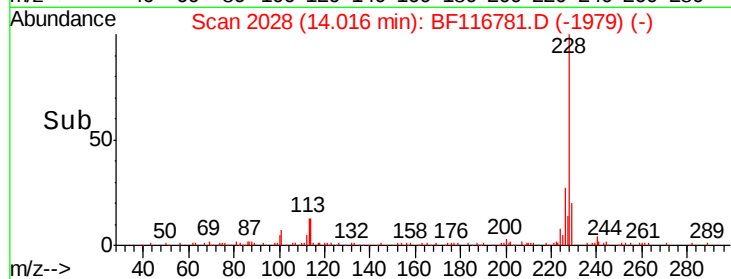
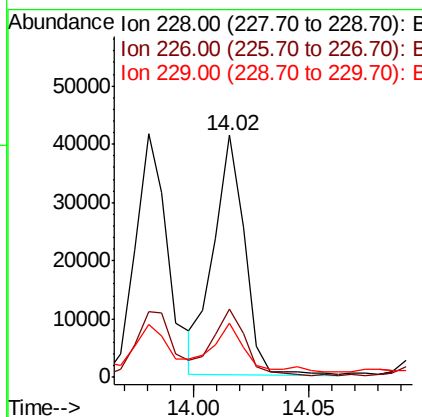
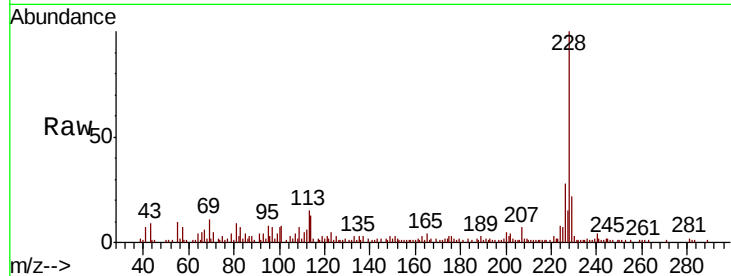
#83
Chrysene
Concen: 2.051 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampled :
SB-3-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.0	36.0
229	22.4	15.4	23.0

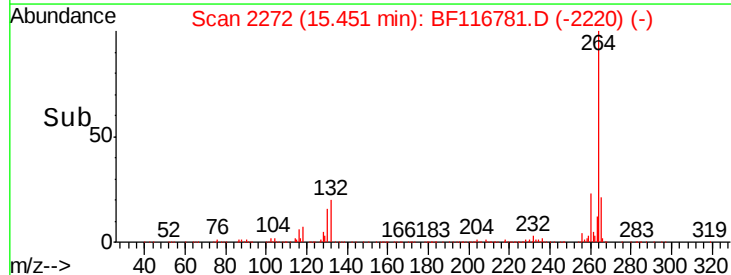
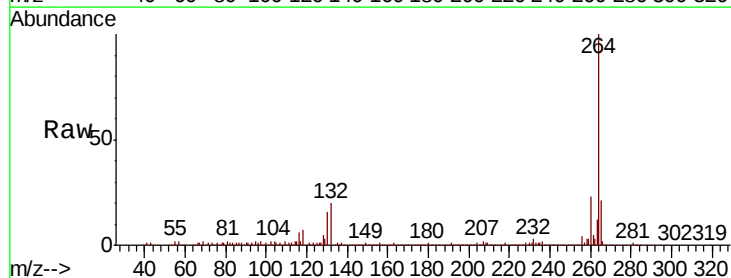
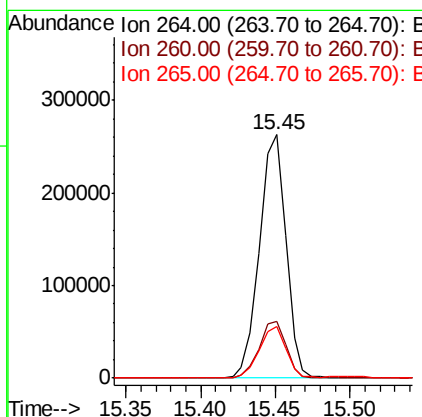
Manual Integrations
APPROVED

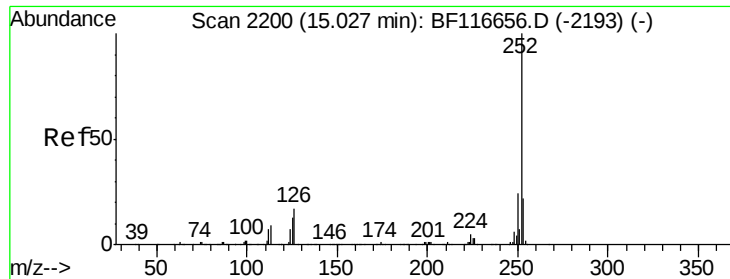
mohammad
9/6/2019 8:18:15 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	21.2	16.5	24.7





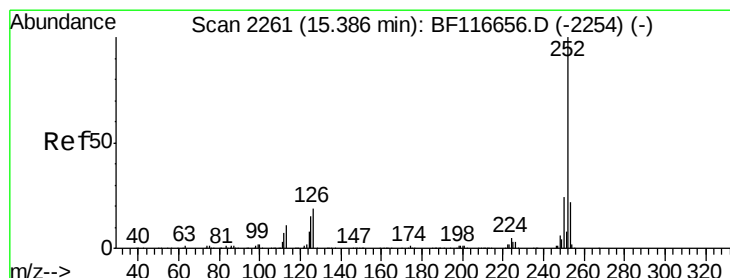
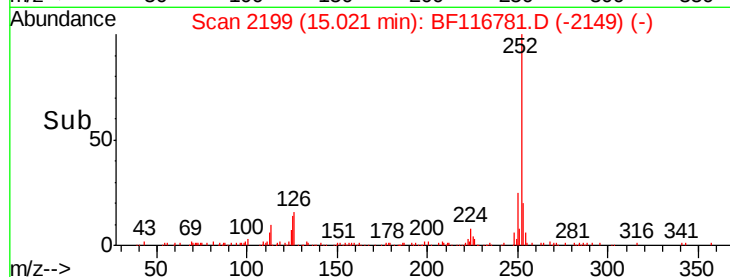
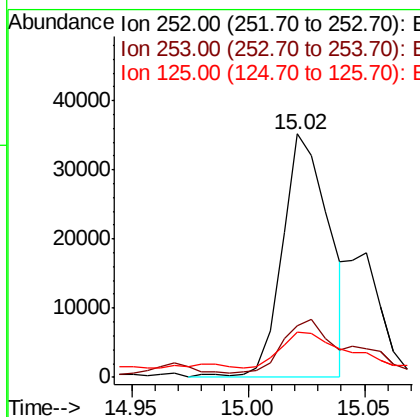
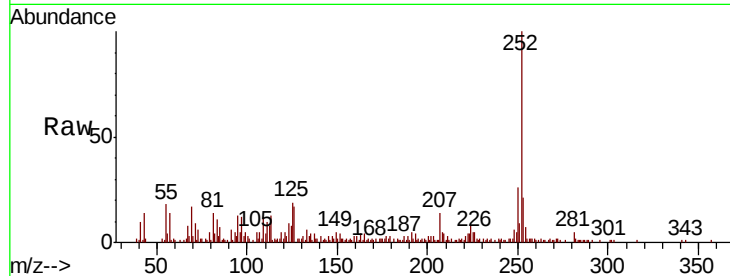
#88
Benzo(b)fluoranthene
Concen: 2.497 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :
SB-3-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	18.6	8.2	12.2

Manual Integrations
APPROVED

mohammad
9/6/2019 8:18:15 AM



#90
Benzo(a)pyrene
Concen: 2.201 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	17.2	9.8	14.8

