

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
 Data File : BF117287.D
 Acq On : 1 Oct 2019 20:02
 Operator : JU
 Sample : K4659-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-093019-A

Manual Integrations
 APPROVED

mohammad
 10/2/2019 3:56:48 PM

Quant Time: Oct 02 06:28:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	53594	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	204382	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	86694	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	110596	20.00	ng	0.00
76) Chrysene-d12	13.97	240	86539	20.00	ng	0.00
87) Perylene-d12	15.43	264	71100	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	143086	41.68	ng	-0.01
7) Phenol-d6	6.45	99	188593	42.51	ng	-0.01
23) Nitrobenzene-d5	7.37	82	110074	28.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	24755	34.17	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	195639	35.28	ng	-0.01
79) Terphenyl-d14	12.91	244	135388	29.24	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	33244	5.416	ng	Qvalue # 97
71) Phenanthrene	11.35	178	107005	17.034	ng	99
72) Anthracene	11.40	178	30501	4.756	ng	96
75) Fluoranthene	12.54	202	203763	31.569	ng	99
78) Pyrene	12.77	202	172211	23.716	ng	98
81) Benzo(a)anthracene	13.96	228	82490	14.267	ng	98
83) Chrysene	14.00	228	70377	12.480	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	24768	6.020	ng	# 91
88) Benzo(b)fluoranthene	15.01	252	67765m	15.734	ng	
89) Benzo(k)fluoranthene	15.03	252	24317m	5.960	ng	
90) Benzo(a)pyrene	15.37	252	46178	12.219	ng	# 87
91) Dibenzo(a,h)anthracene	16.88	278	6692	2.223	ng	# 63
92) Benzo(a,h,i)perylene	17.33	276	26322	8.774	ng	94

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

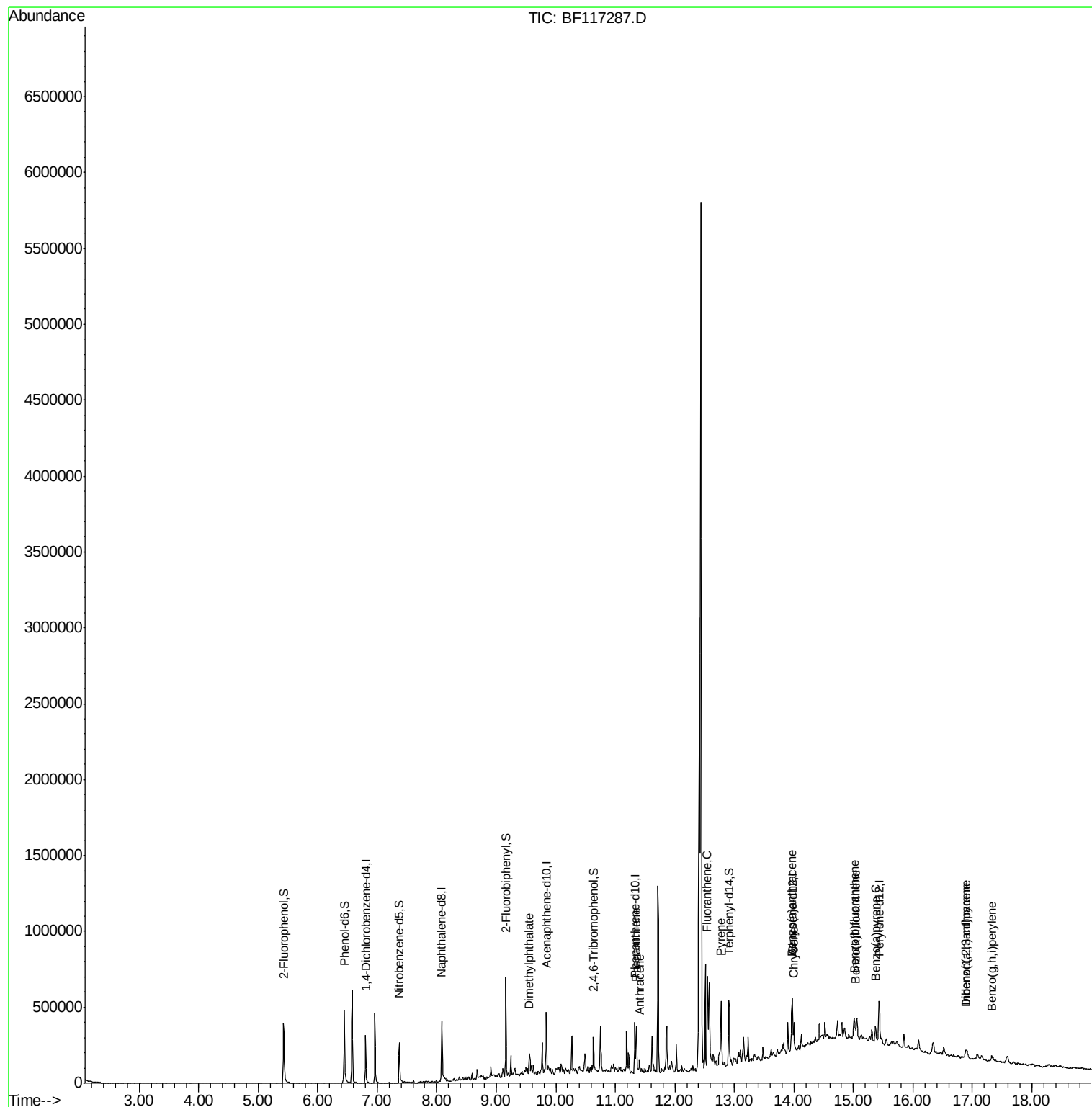
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
Data File : BF117287.D
Acq On : 1 Oct 2019 20:02
Operator : JU
Sample : K4659-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

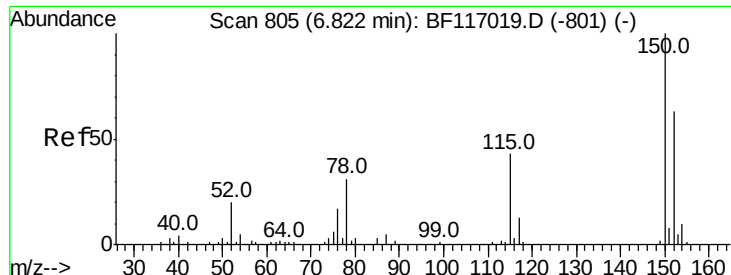
Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Manual Integrations
APPROVED

mohammad
10/2/2019 3:56:48 PM

Quant Time: Oct 02 06:28:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration





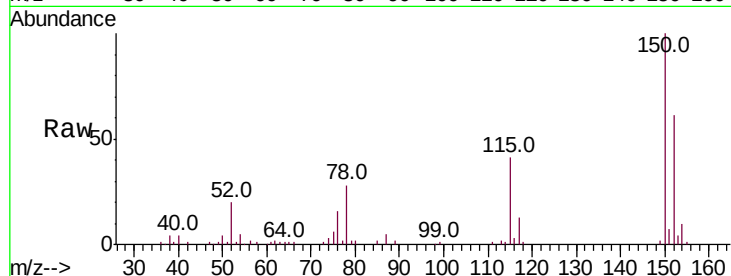
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-093019-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.9	127.5	191.3
115	66.7	55.0	82.4

Manual Integrations
 APPROVED

mohammad
 10/2/2019 3:56:48 PM

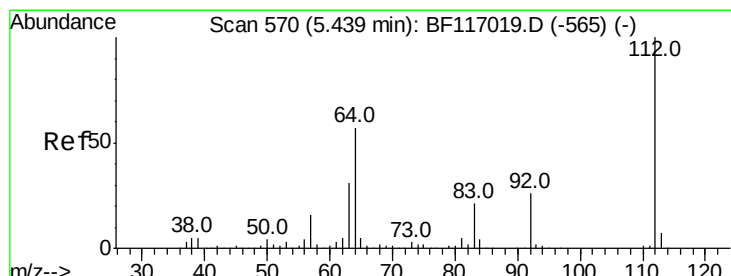
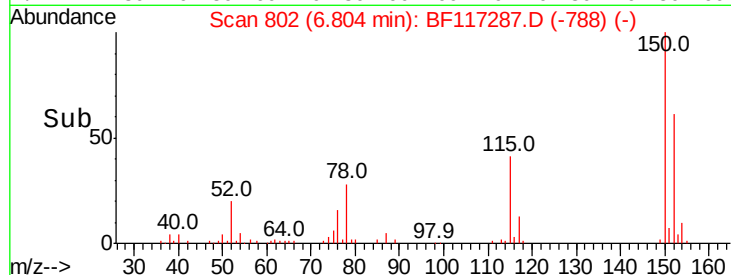
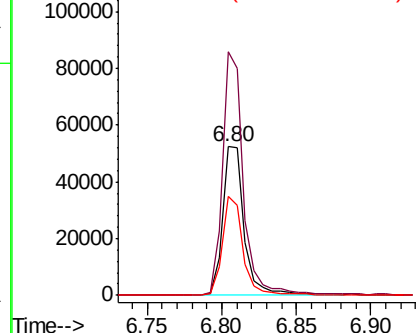


Abundance

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: 41.682 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

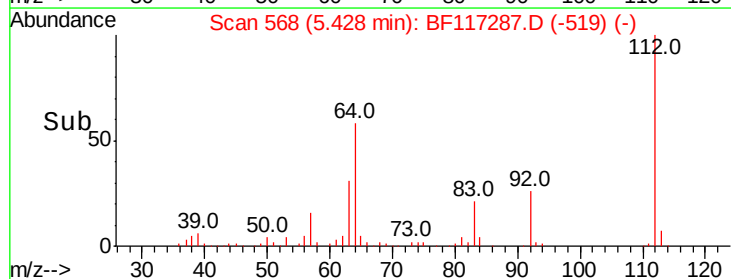
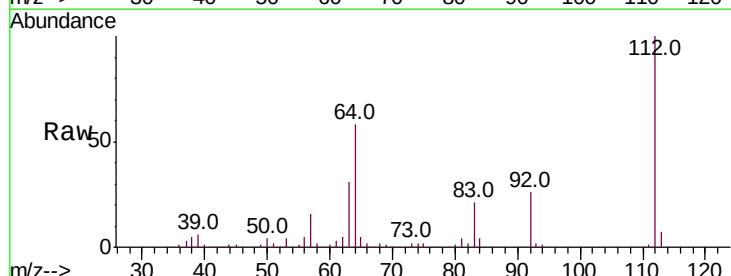
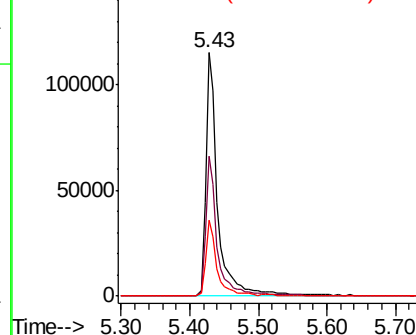
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.7	68.5
63	31.2	24.9	37.3

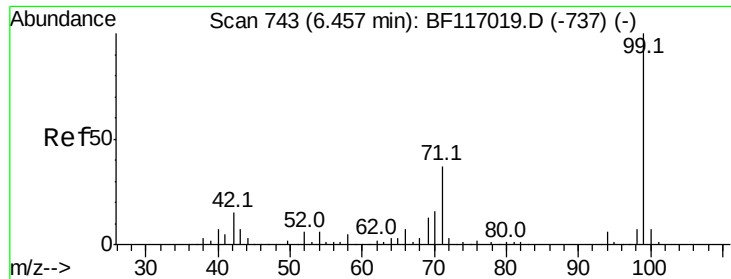
Abundance

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: 42.511 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

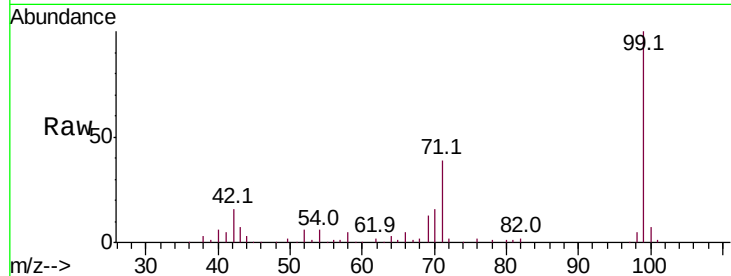
ClientSampleId :

JC-02-093019-A

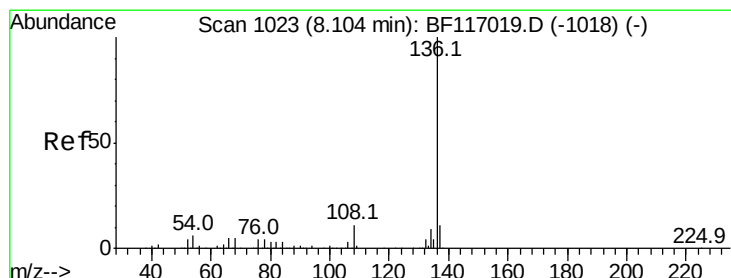
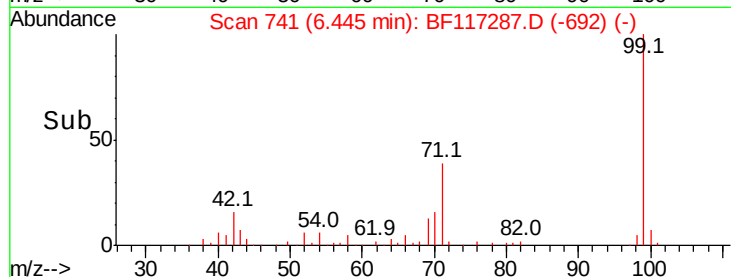
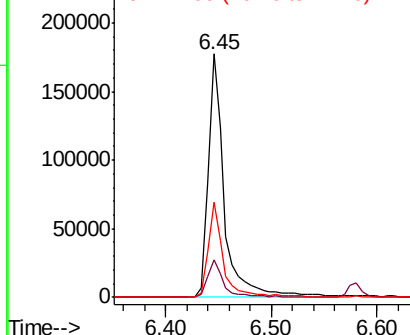
Tot Ion:	99	Resp:	188593
Ion Ratio	Lower	Upper	
99	100		
42	15.6	12.2	18.2
71	39.3	29.8	44.8

Manual Integrations
APPROVED

mohammad
10/2/2019 3:56:48 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: 8.09 min Scan# 1020

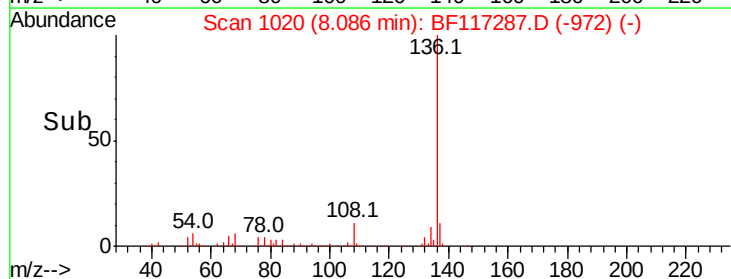
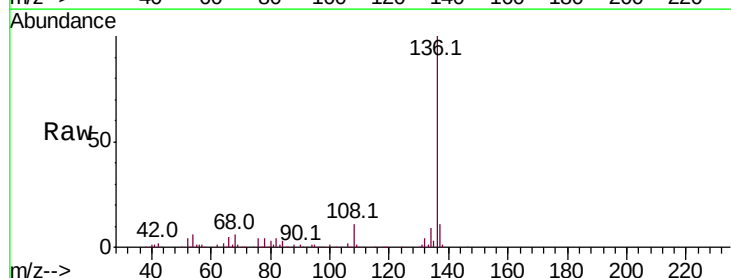
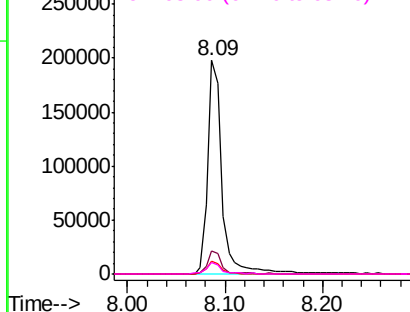
Delta R.T. -0.02 min

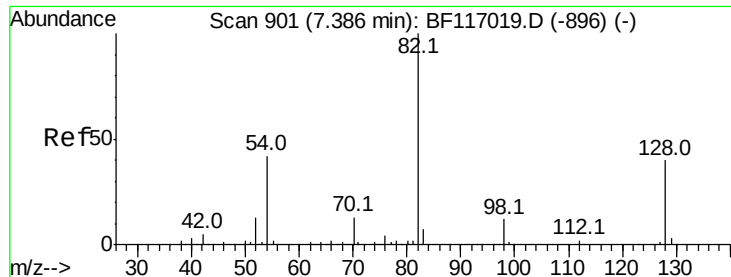
Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Tgt Ion:	136	Resp:	204382
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	5.9	4.5	6.7
68	5.6	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





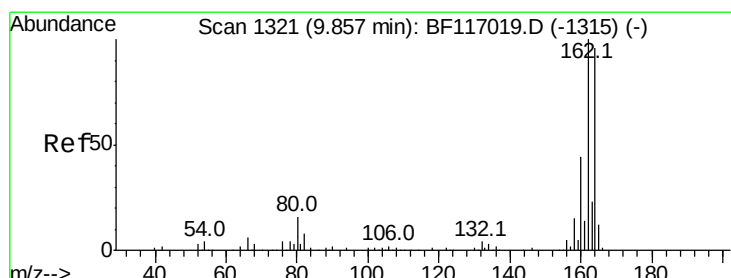
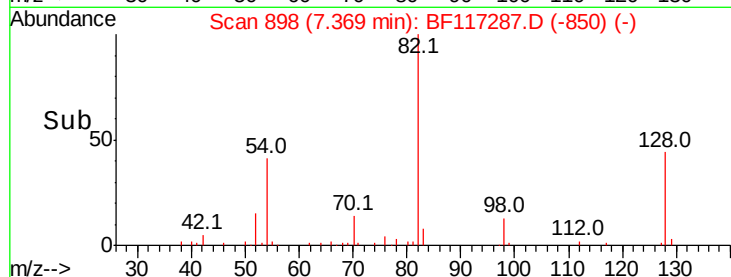
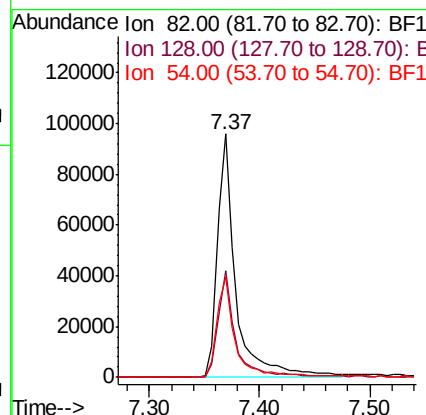
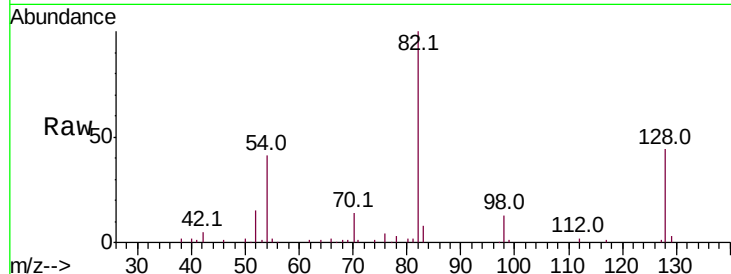
#23
 Nitrobenzene-d5
 Concen: 28.298 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-093019-A

Tot Ion	82	Resp	110074
Ion Ratio	100	Lower	Upper
128	43.6	32.3	48.5
54	41.2	33.3	49.9

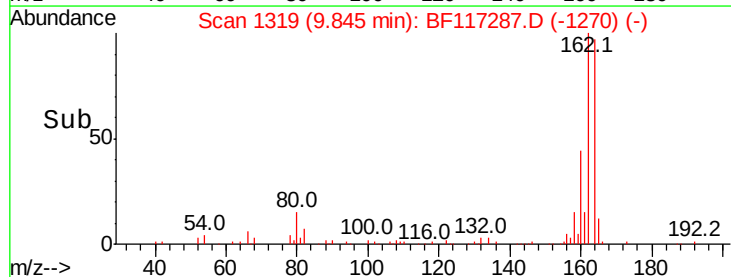
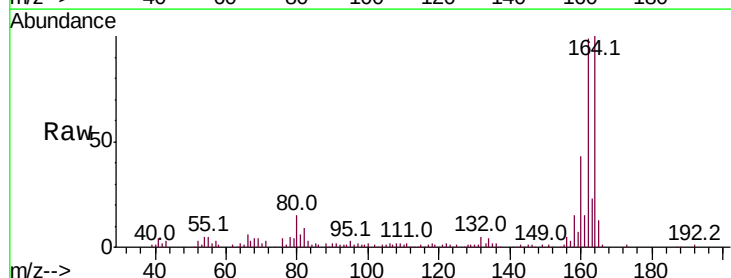
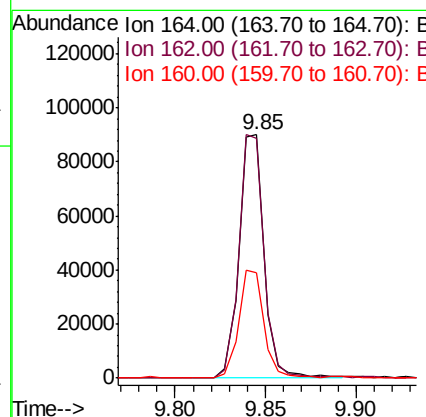
Manual Integrations
 APPROVED

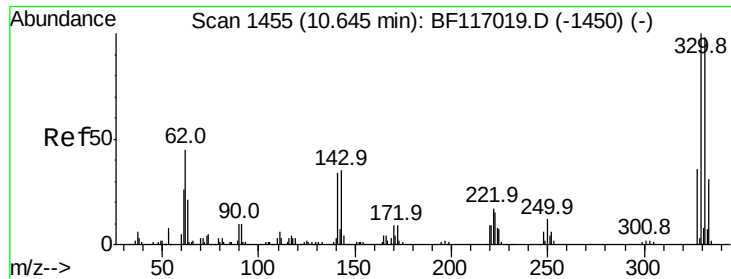
mohammad
 10/2/2019 3:56:48 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Tgt Ion	164	Resp	86694
Ion Ratio	100	Lower	Upper
162	98.7	83.4	125.2
160	43.1	36.4	54.6





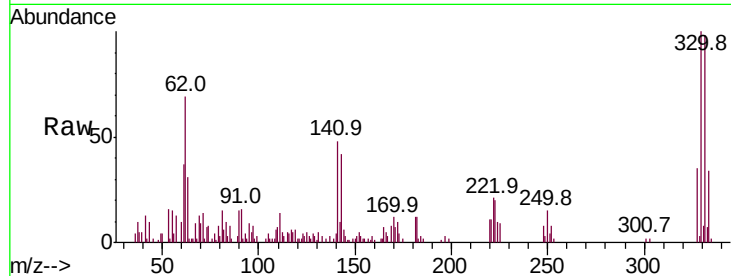
#42
 2,4,6-Tribromophenol
 Concen: 34.165 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-093019-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	24755		
332	93.2		78.0	117.0
141	49.9		35.8	53.6

Manual Integrations
 APPROVED

mohammad
 10/2/2019 3:56:48 PM

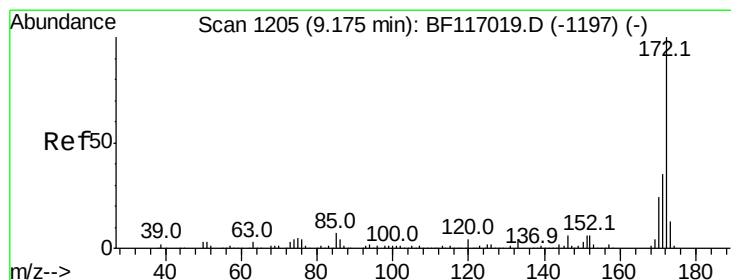
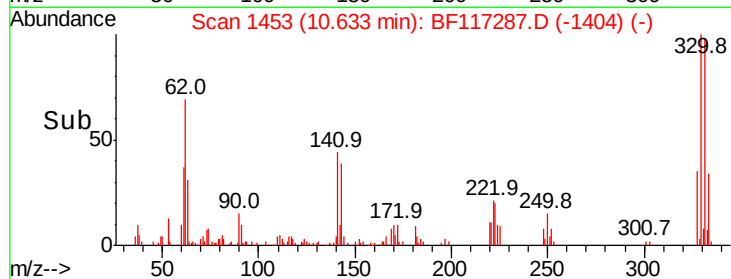
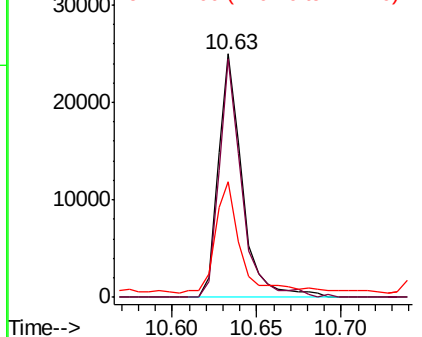


Abundance

Ion 329.80 (329.50 to 330.50): E

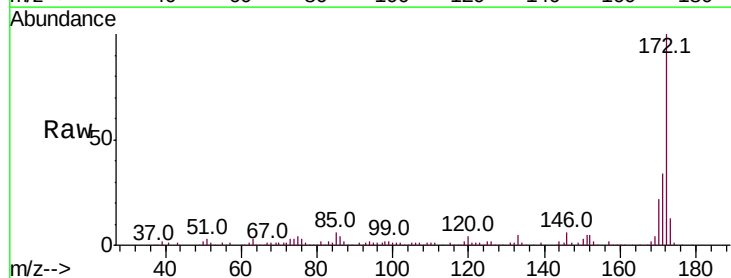
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 35.285 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	195639		
171	34.1		28.2	42.2
170	22.2		18.9	28.3

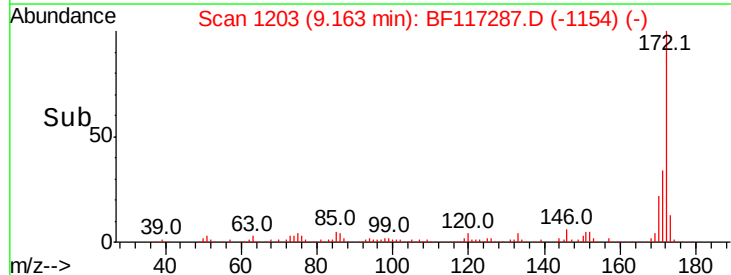
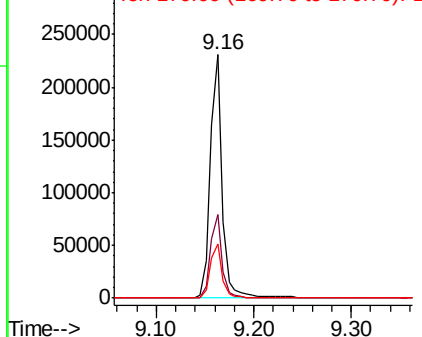


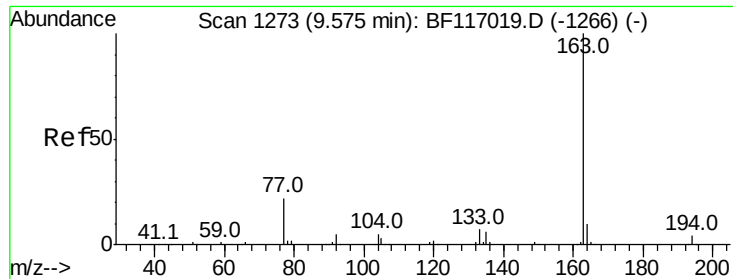
Abundance

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





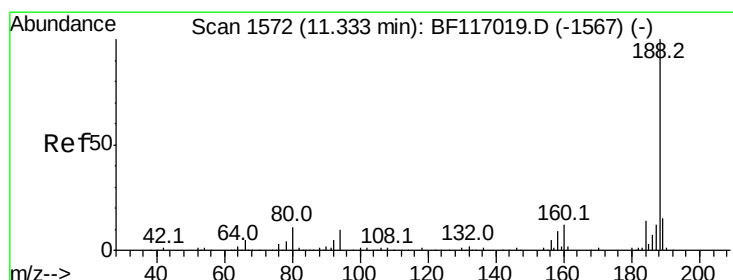
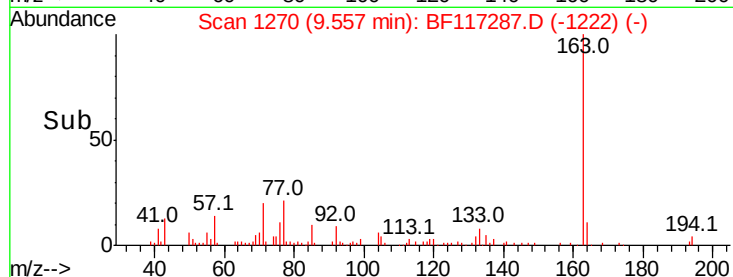
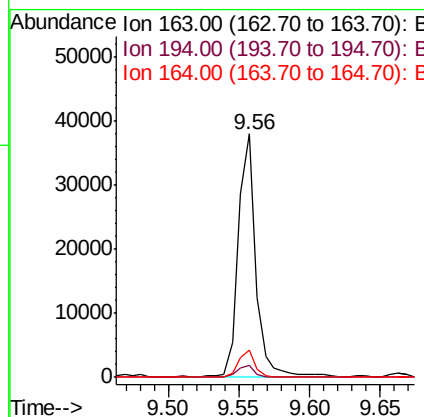
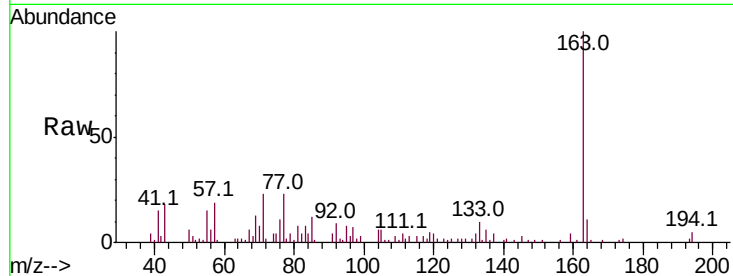
#50
Dimethylphthalate
Concen: 5.416 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.0	2.9	4.3#
164	11.2	8.2	12.4

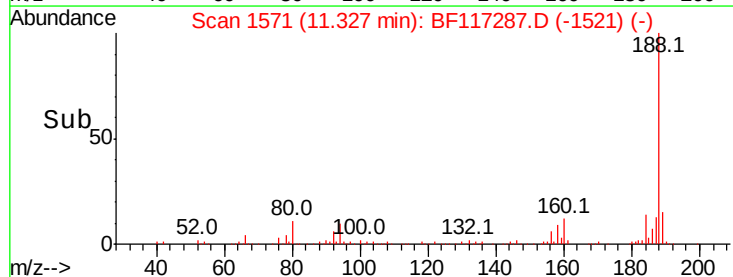
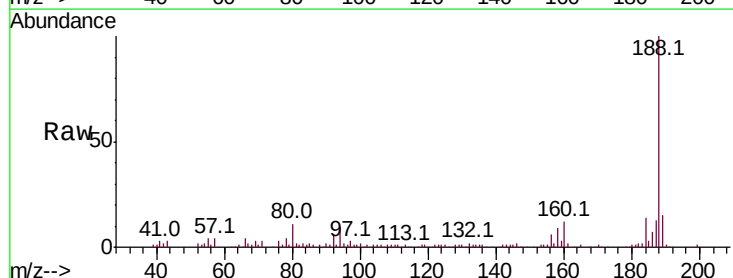
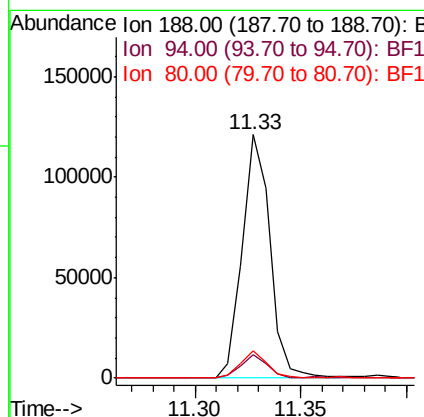
Manual Integrations
APPROVED

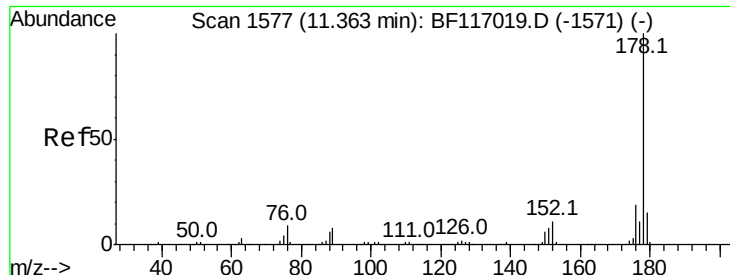
mohammad
10/2/2019 3:56:48 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	11.4	9.0	13.6





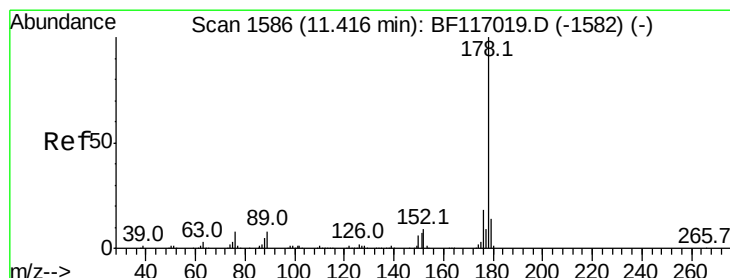
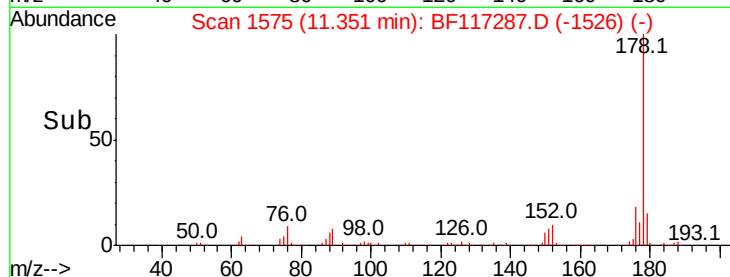
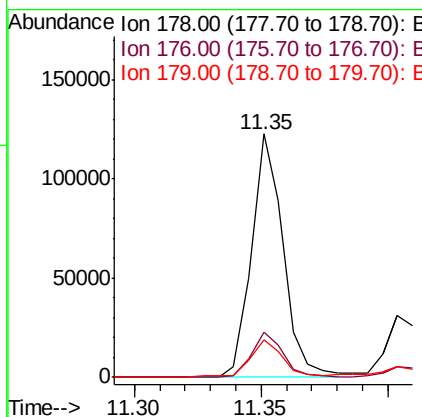
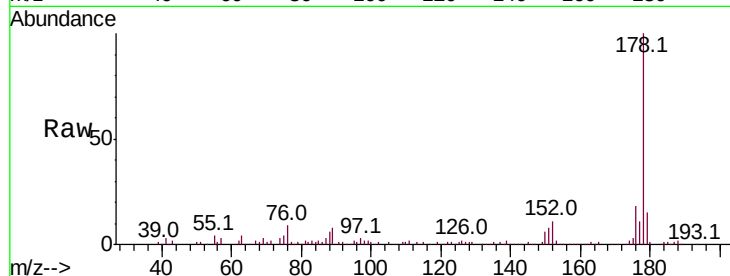
#71
Phenanthrene
Concen: 17.034 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.4	12.4	18.6

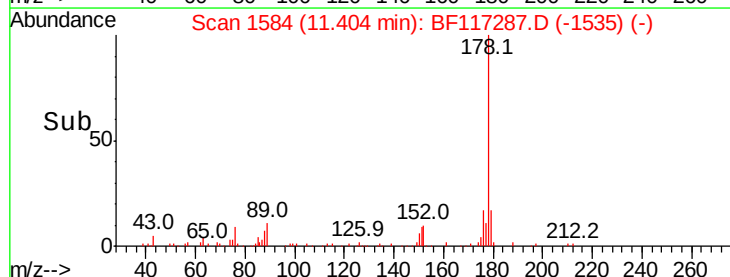
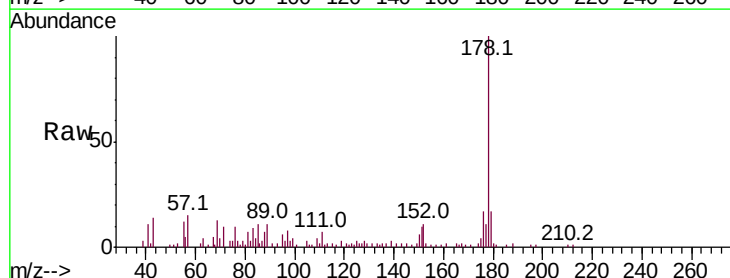
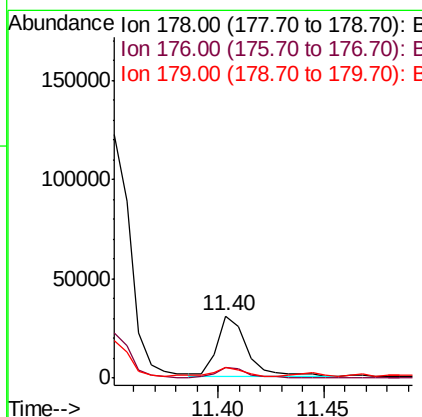
Manual Integrations
APPROVED

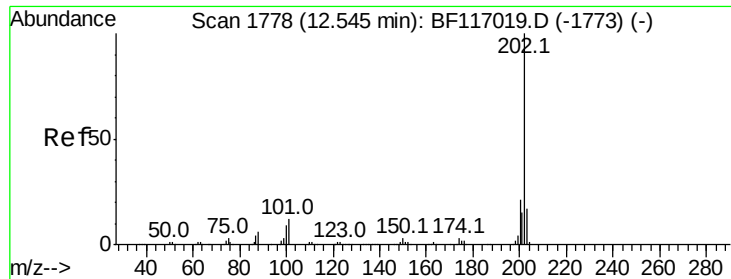
mohammad
10/2/2019 3:56:48 PM



#72
Anthracene
Concen: 4.756 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.6	21.8
179	17.0	11.6	17.4





#75

Fluoranthene

Concen: 31.569 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

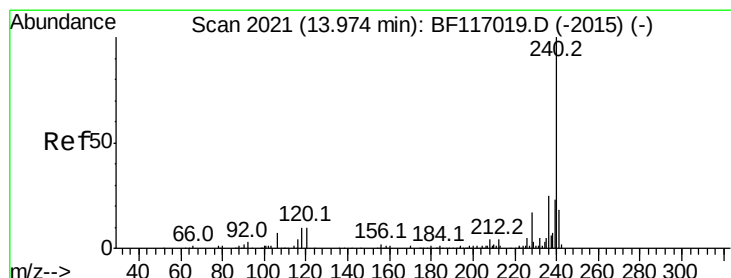
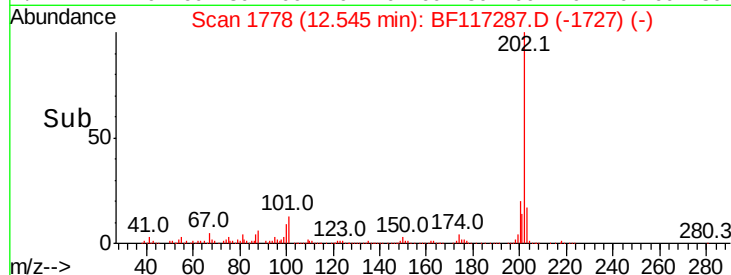
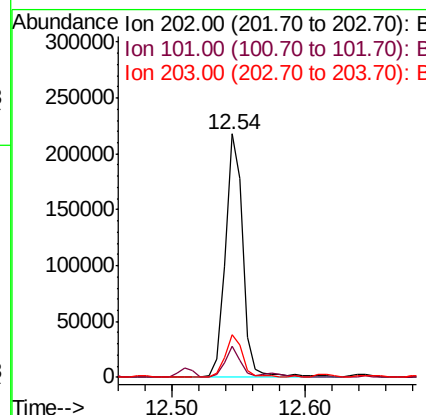
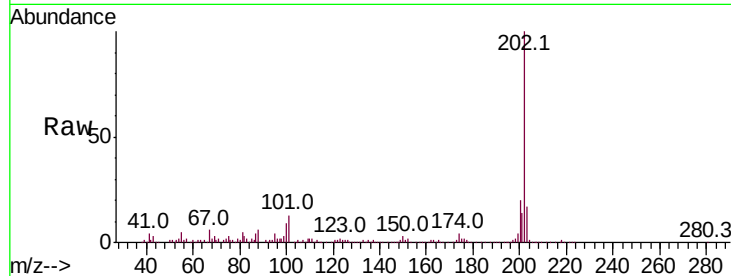
ClientSampleId :

JC-02-093019-A

Tot Ion:	202	Resp:	203763
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.3
203	17.4	0.0	37.1

Manual Integrations
APPROVED

mohammad
10/2/2019 3:56:48 PM



#76

Chrysene-d12

Concen: 20.000 ng

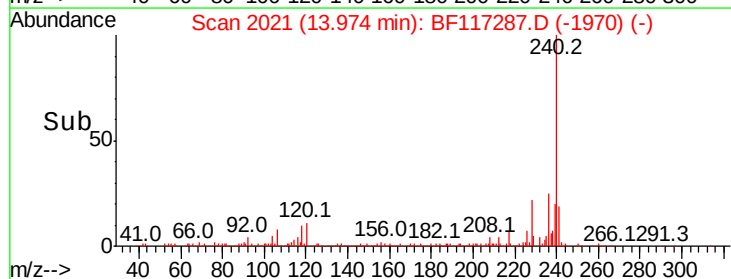
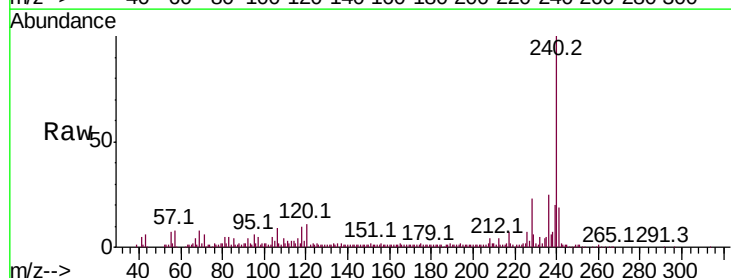
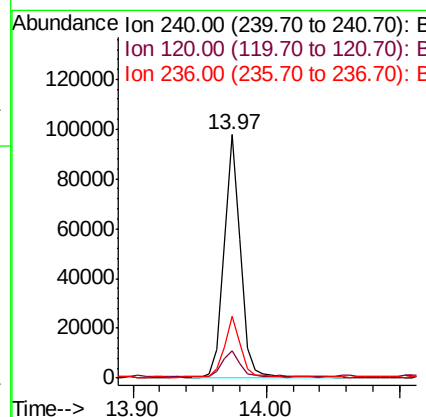
RT: 13.97 min Scan# 2021

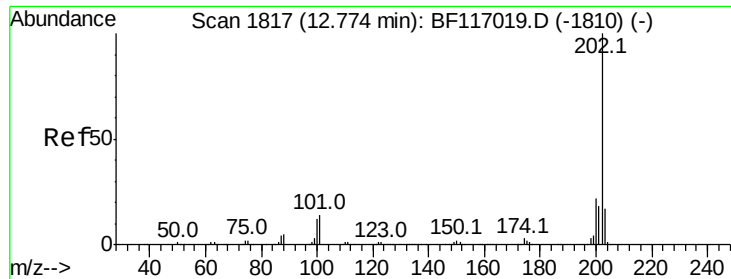
Delta R.T. 0.00 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Tgt Ion:	240	Resp:	86539
Ion Ratio	Lower	Upper	
240	100		
120	11.5	8.3	12.5
236	25.2	20.3	30.5





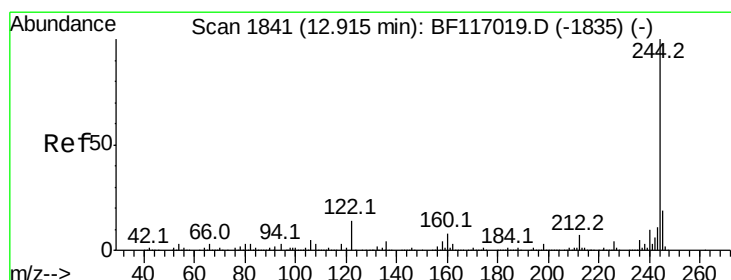
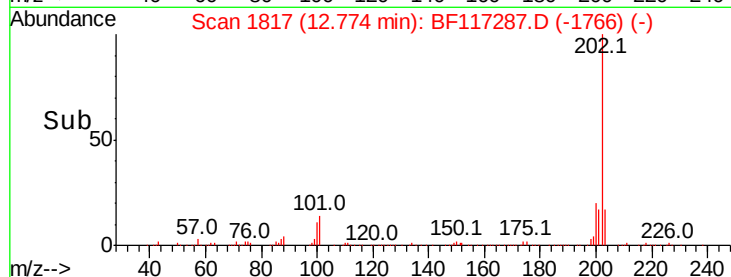
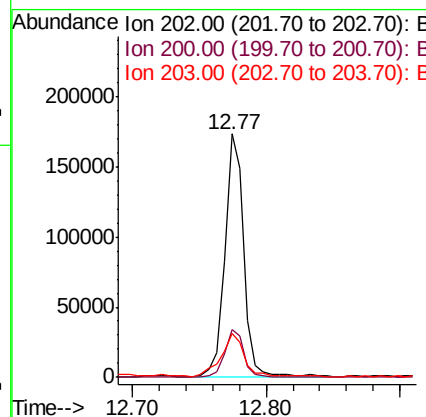
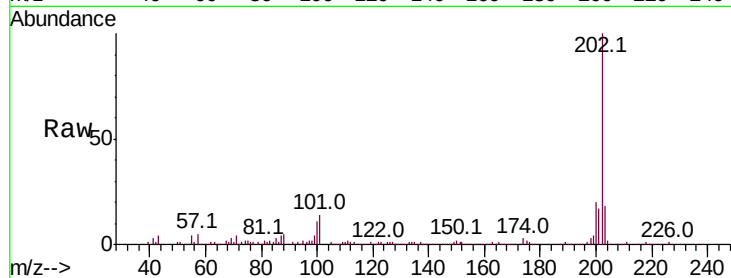
#78
Pvrene
Concen: 23.716 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	172211		
200	19.7		17.2	25.8
203	17.9		14.0	21.0

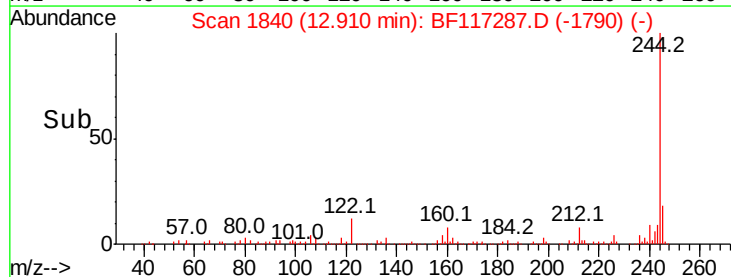
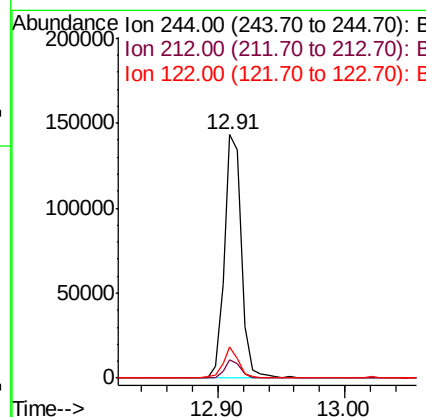
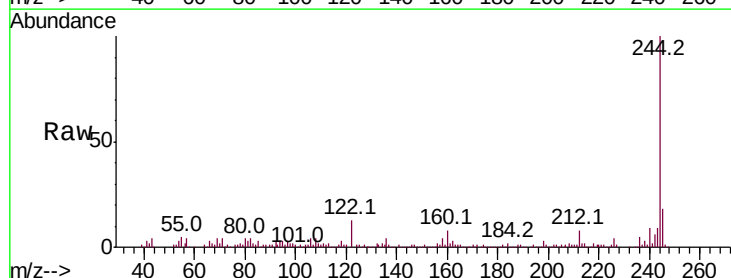
Manual Integrations
APPROVED

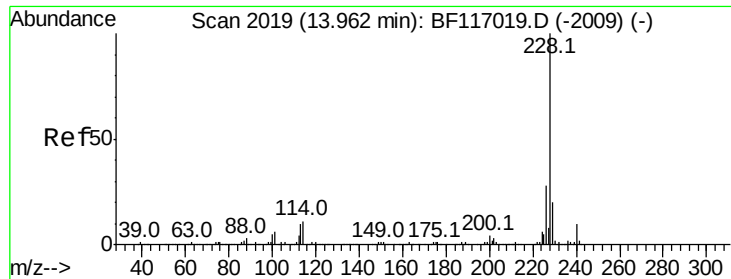
mohammad
10/2/2019 3:56:48 PM



#79
Terphenyl-d14
Concen: 29.243 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	135388		
212	7.8		5.8	8.8
122	12.8		11.3	16.9





#81

Benzo(a)anthracene

Concen: 14.267 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

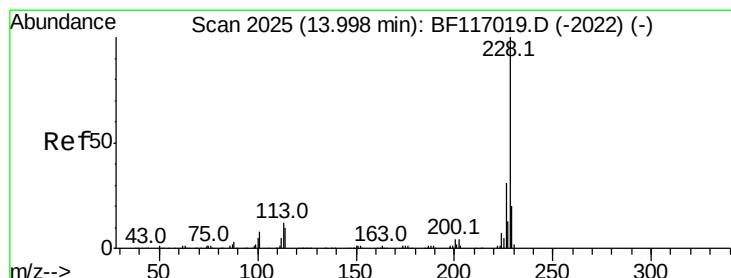
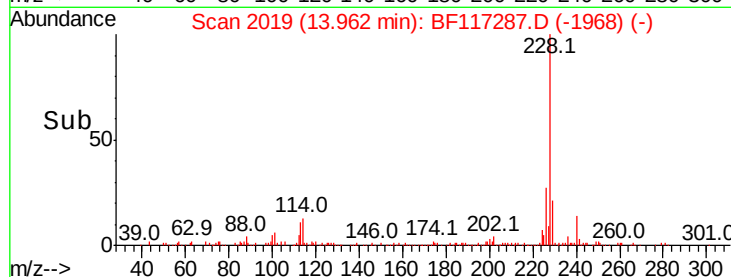
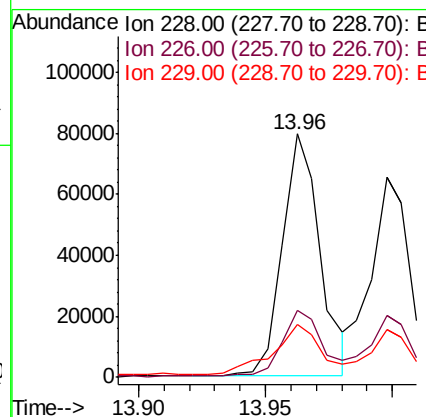
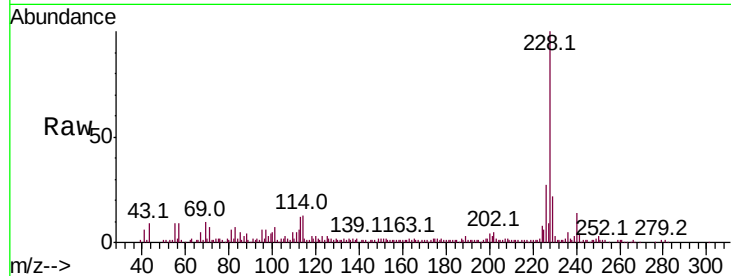
ClientSampled :

JC-02-093019-A

Tot Ion:	228	Resp:	82490
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.3	33.5
229	21.7	15.9	23.9

Manual Integrations
APPROVED

mohammad
10/2/2019 3:56:48 PM



#83

Chrysene

Concen: 12.480 ng

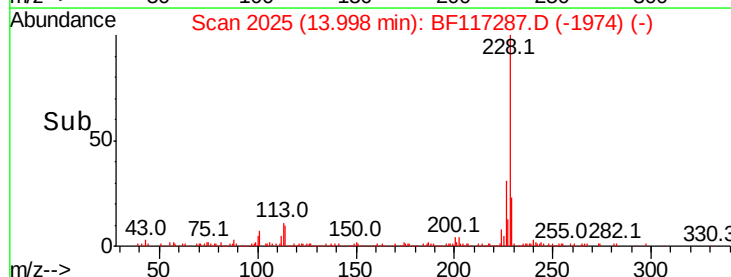
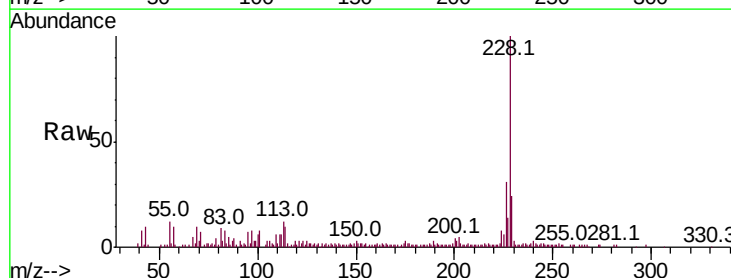
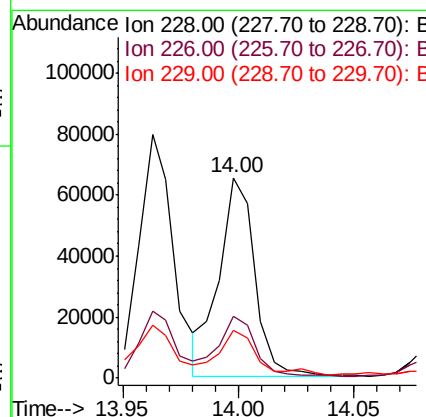
RT: 14.00 min Scan# 2025

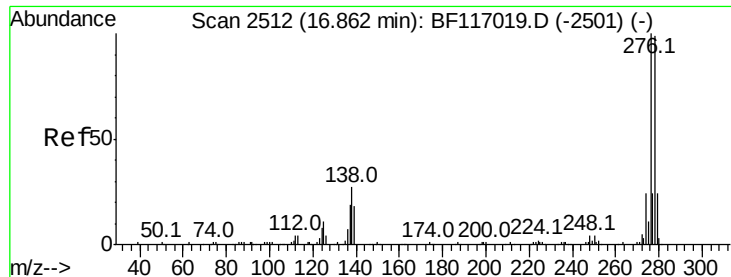
Delta R.T. 0.00 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Tgt Ion:	228	Resp:	70377
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.8	37.2
229	23.6	15.8	23.8





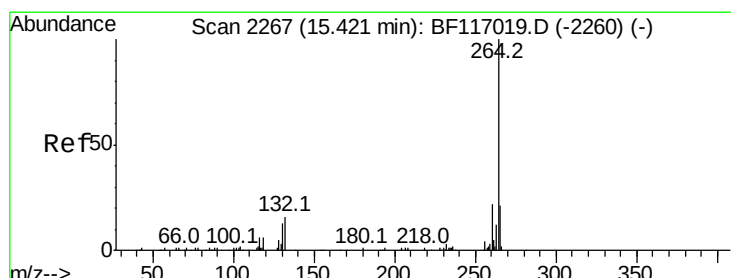
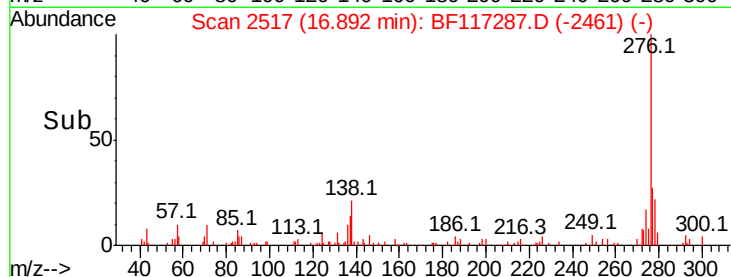
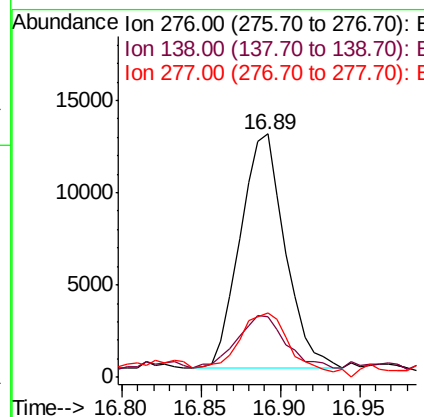
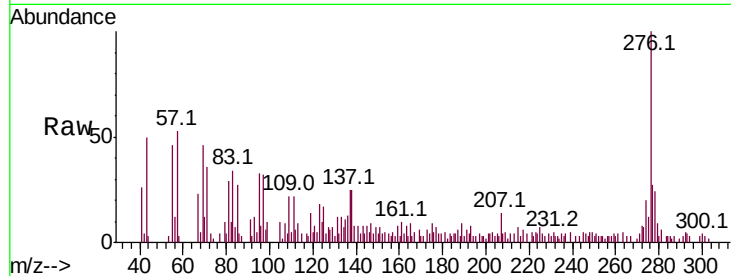
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.020 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.03 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	20.7	31.1
277	33.7	19.8	29.8

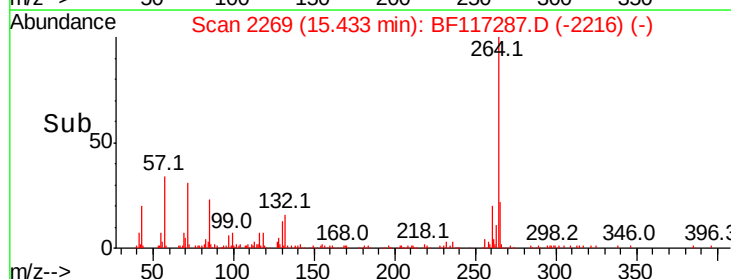
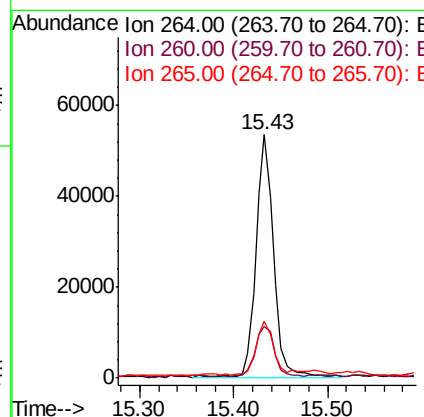
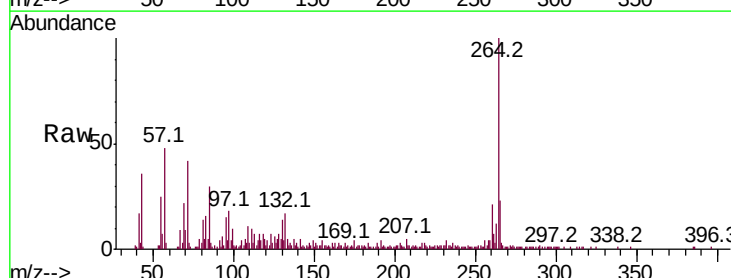
Manual Integrations
APPROVED

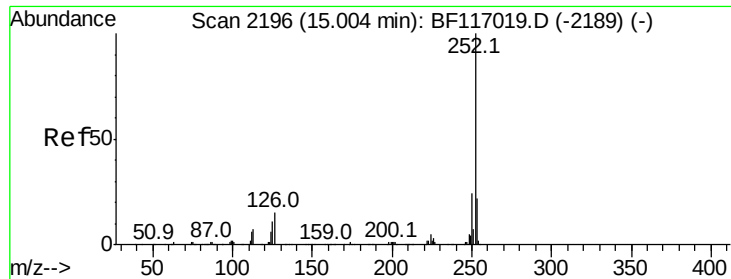
mohammad
10/2/2019 3:56:48 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.6	26.4
265	23.4	16.6	24.8





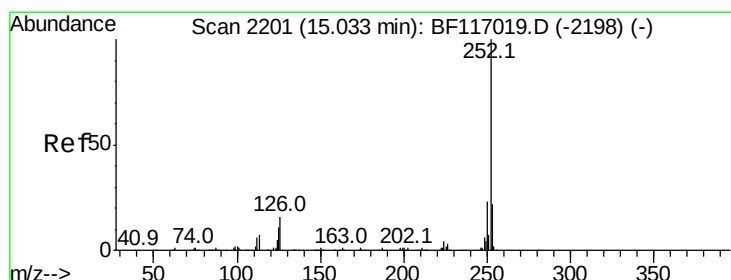
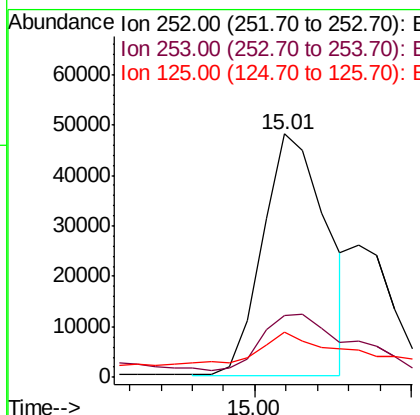
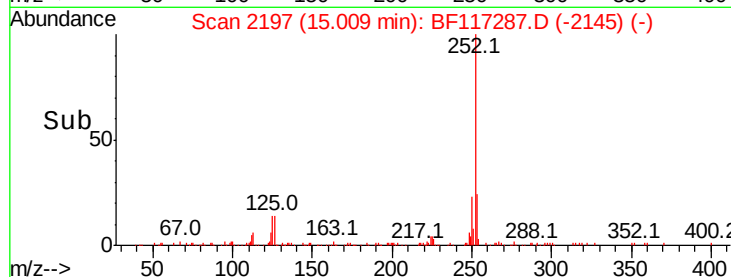
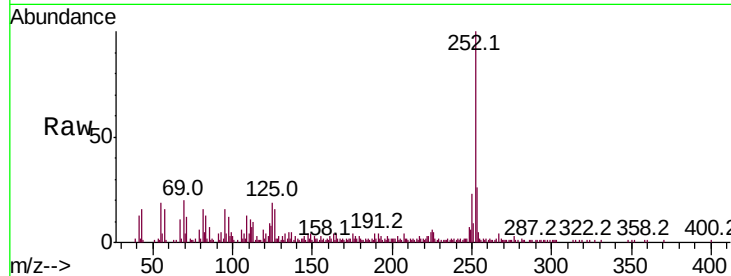
#88
Benzo(b)fluoranthene
Concen: 15.734 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.6	26.4
125	18.8	8.6	12.8

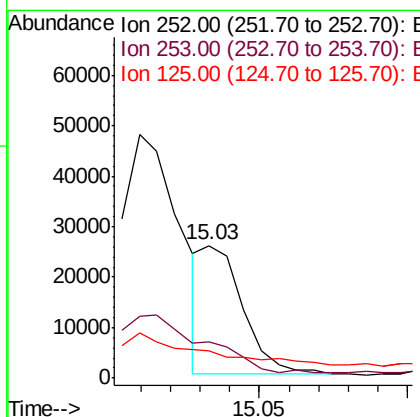
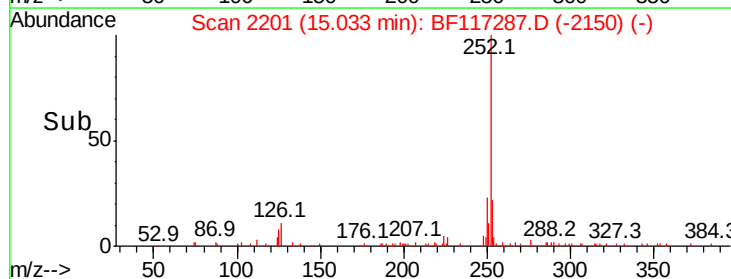
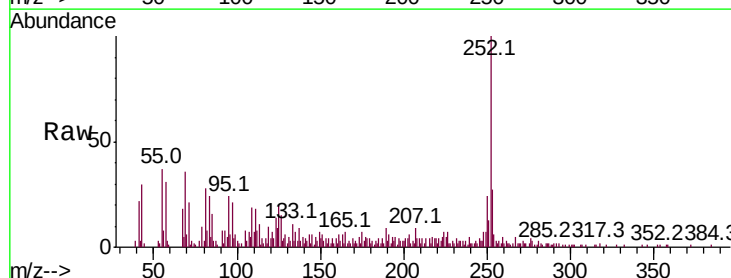
Manual Integrations
APPROVED

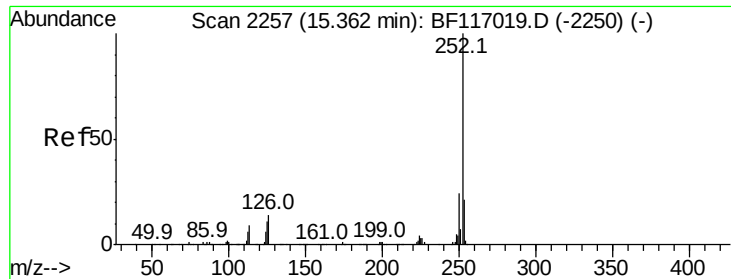
mohammad
10/2/2019 3:56:48 PM



#89
Benzo(k)fluoranthene
Concen: 5.960 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.4	26.2
125	20.4	8.8	13.2





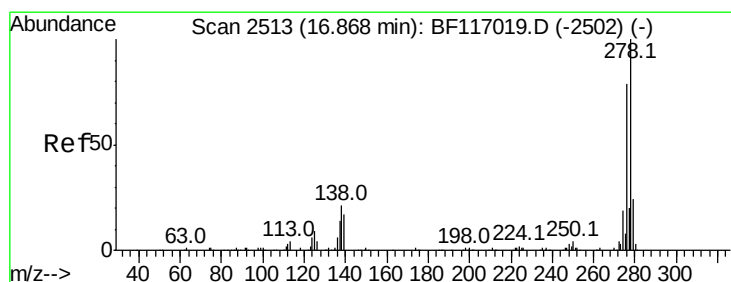
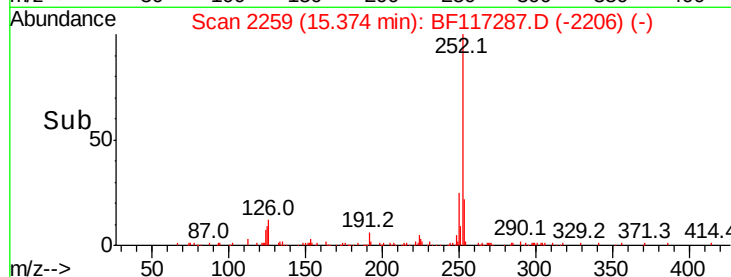
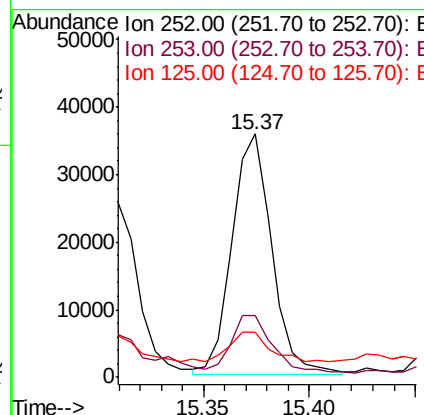
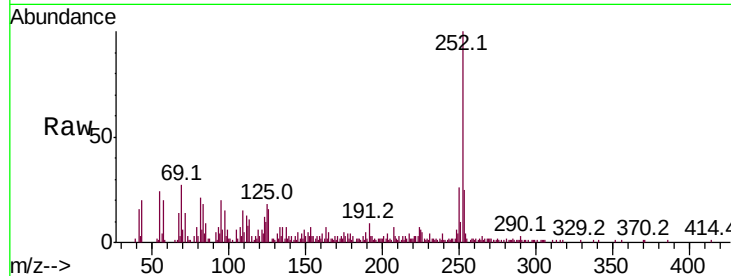
#90
Benzo(a)pyrene
Concen: 12.219 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	16.6	25.0#
125	18.3	8.9	13.3#

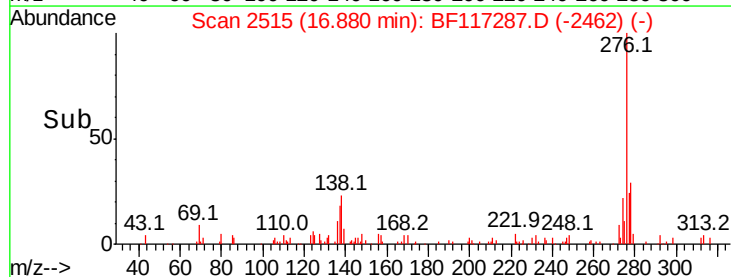
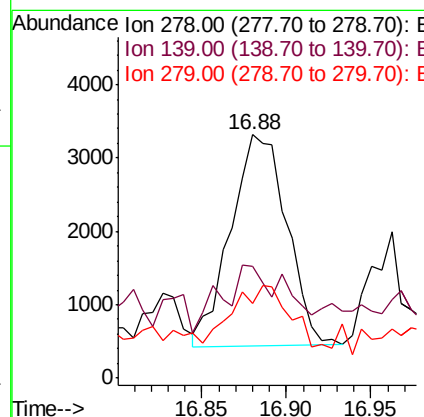
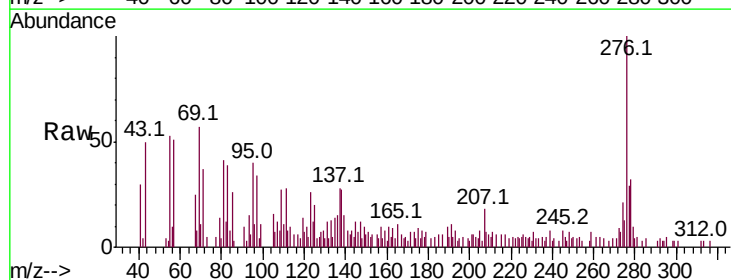
Manual Integrations
APPROVED

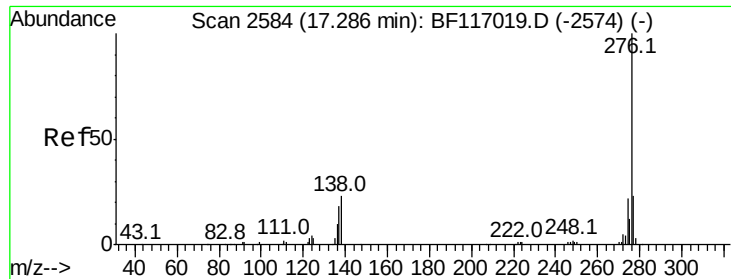
mohammad
10/2/2019 3:56:48 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.223 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	46.1	13.5	20.3#
279	30.9	18.8	28.2#





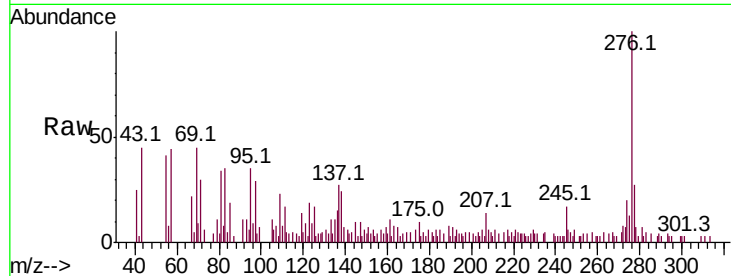
#92
 Benzo(a,h,i)perylene
 Concen: 8.774 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.04 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-093019-A

Tot Ion:	276	Resp:	26322
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.6	27.8
138	24.0	18.0	27.0

Manual Integrations
 APPROVED

mohammad
 10/2/2019 3:56:48 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

