

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117293.D
 Acq On : 2 Oct 2019 12:24
 Operator : JU
 Sample : K4659-01RE 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:17:20 AM

Quant Time: Oct 03 01:49:36 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	39711	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	160459	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	75393	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	103186	20.00	ng	0.00
76) Chrysene-d12	13.97	240	92934	20.00	ng	0.00
87) Perylene-d12	15.44	264	94636	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	103111	40.54	ng	-0.01
7) Phenol-d6	6.45	99	140631	42.78	ng	-0.01
23) Nitrobenzene-d5	7.37	82	85617	28.04	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	23279	36.94	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	155158	32.18	ng	-0.01
79) Terphenyl-d14	12.91	244	129974	26.14	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	27297	5.114	ng	Qvalue 97
58) Fluorene	10.39	166	9914	2.013	ng	99
71) Phenanthrene	11.35	178	98737	16.847	ng	98
72) Anthracene	11.40	178	24596m	4.111	ng	
75) Fluoranthene	12.54	202	197854	32.855	ng	99
78) Pyrene	12.78	202	172859	22.167	ng	97
81) Benzo(a)anthracene	13.97	228	92003	14.818	ng	98
83) Chrysene	14.00	228	84057	13.880	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	30459	6.894	ng	99
88) Benzo(b)fluoranthene	15.02	252	98973m	17.265	ng	
89) Benzo(k)fluoranthene	15.04	252	25310m	4.661	ng	
90) Benzo(a)pyrene	15.37	252	61569	12.240	ng	# 87
91) Dibenzo(a,h)anthracene	16.89	278	8067	2.013	ng	# 66
92) Benzo(a,h,i)perylene	17.34	276	29717	7.442	ng	# 94

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

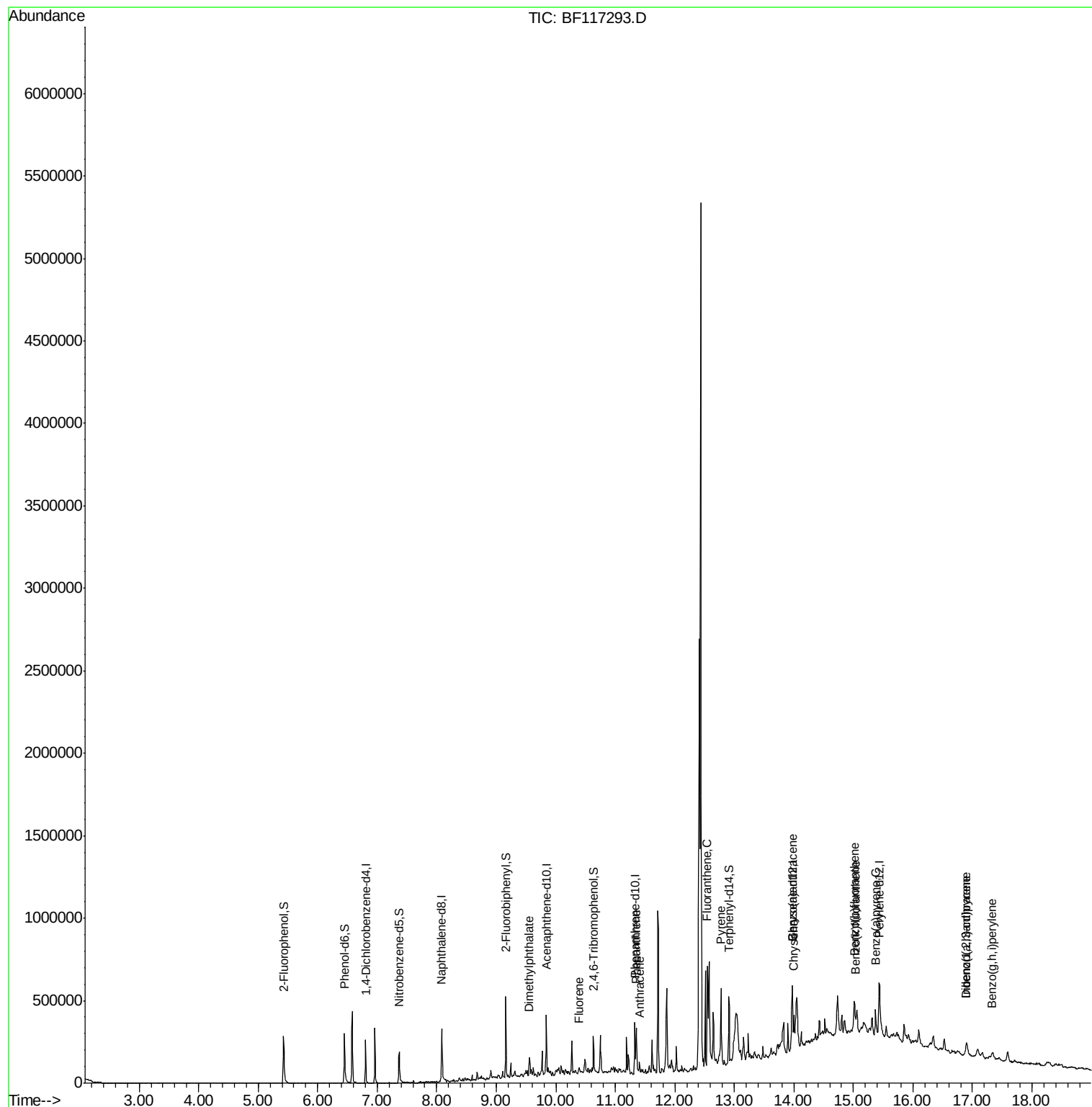
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117293.D
Acq On : 2 Oct 2019 12:24
Operator : JU
Sample : K4659-01RE 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

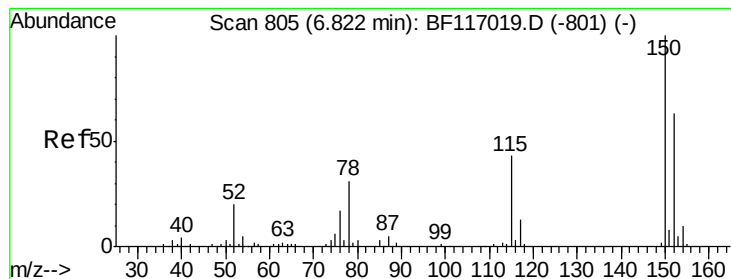
Instrument :
BNA_F
ClientSampleId :
JC-02-093019-A

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM

Quant Time: Oct 03 01:49:36 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

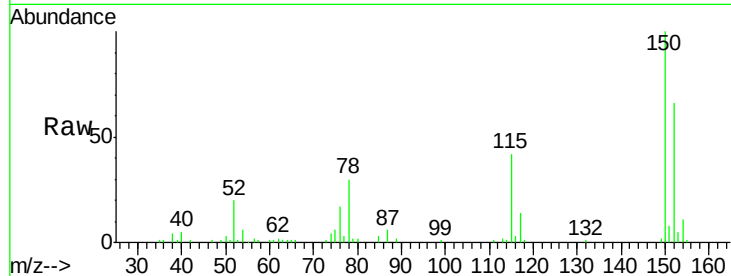
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.5	191.3
115	64.3	55.0	82.4

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM

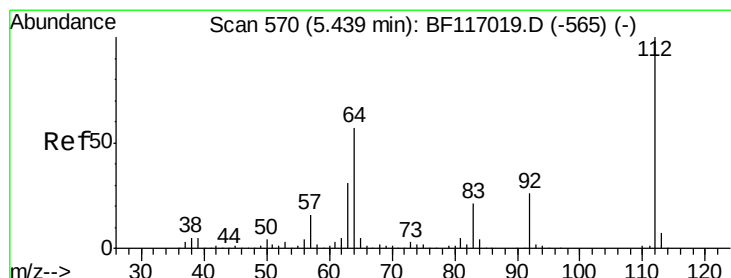
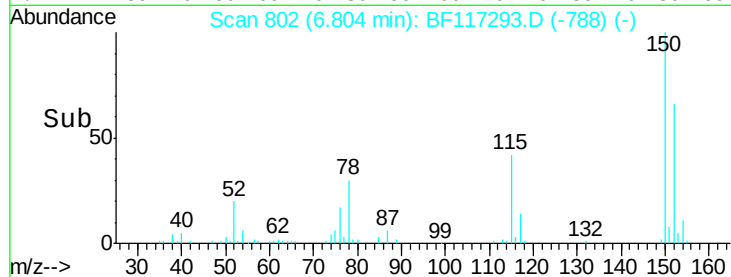
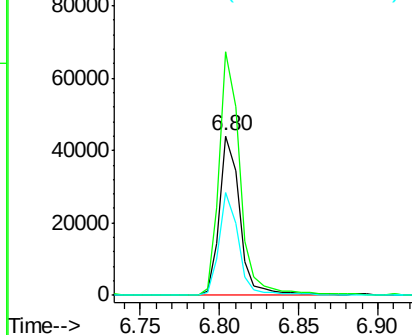


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

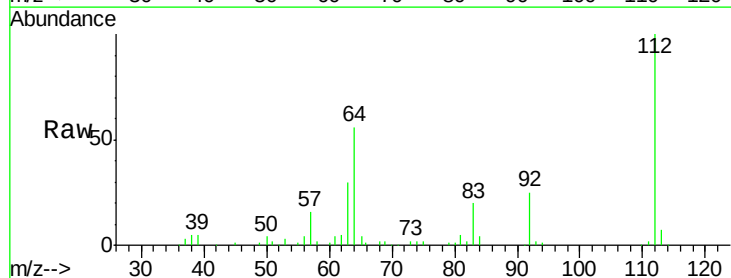
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.538 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.7	68.5
63	29.9	24.9	37.3

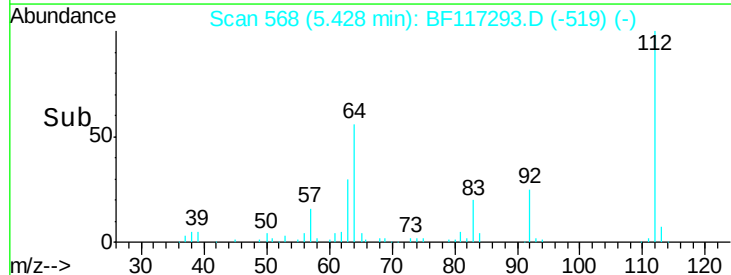
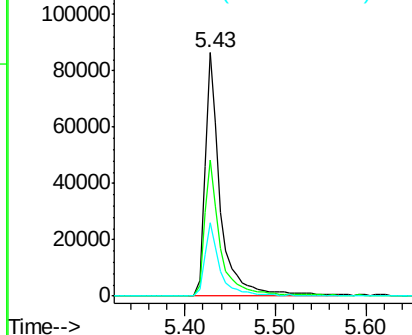


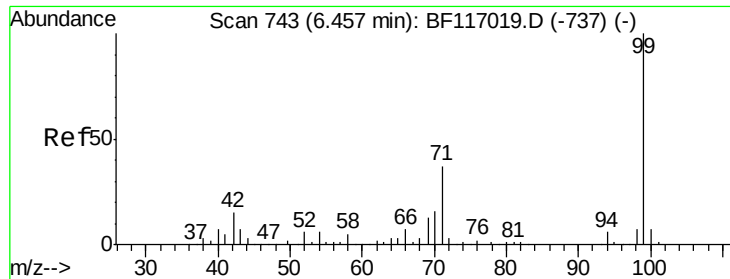
Abundance

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: 42.782 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

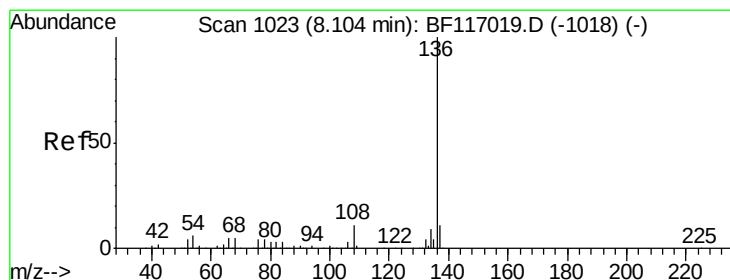
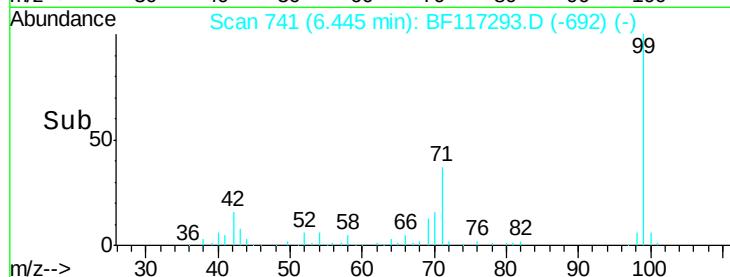
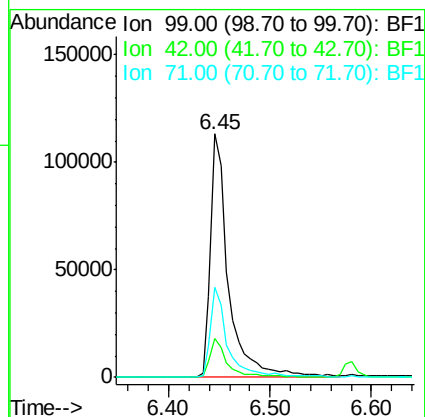
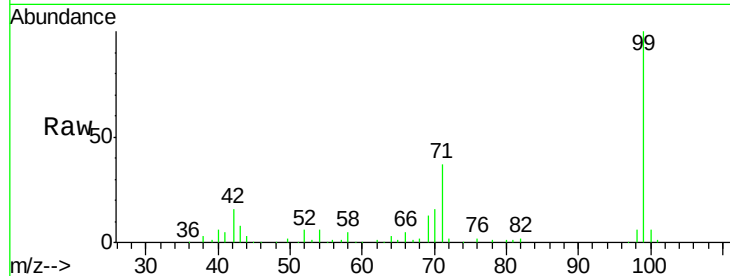
ClientSampleId :

JC-02-093019-A

Tot Ion:	99	Resp:	140631
Ion Ratio	Lower	Upper	
99	100		
42	15.8	12.2	18.2
71	36.8	29.8	44.8

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM



#21

Naphthalene-d8

Concen: 20.000 ng

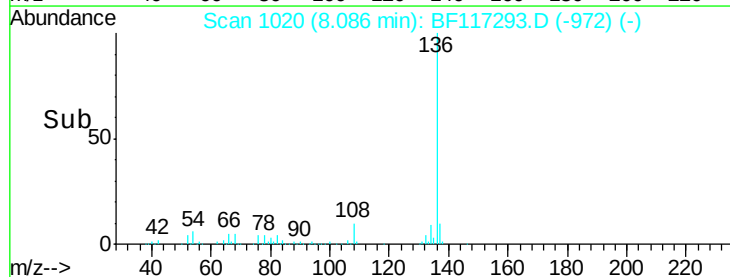
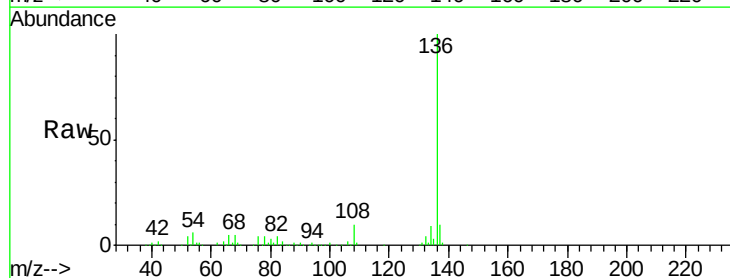
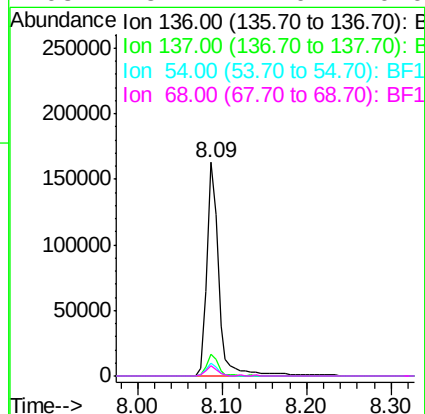
RT: 8.09 min Scan# 1020

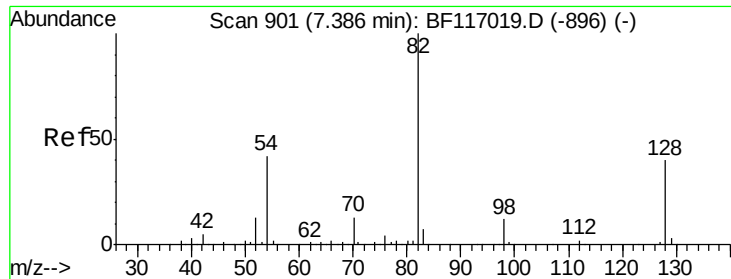
Delta R.T. -0.02 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Tgt Ion:	136	Resp:	160459
Ion Ratio	Lower	Upper	
136	100		
137	10.1	9.0	13.4
54	6.0	4.5	6.7
68	5.1	4.0	6.0





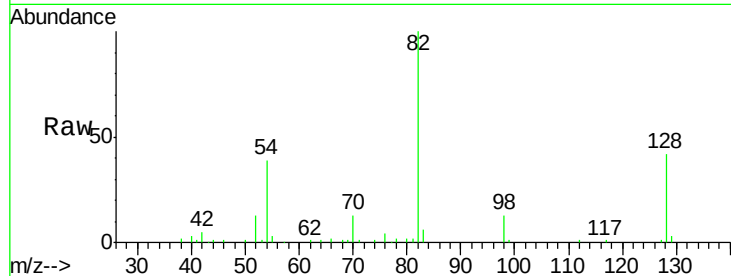
#23
Nitrobenzene-d5
Concen: 28.035 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

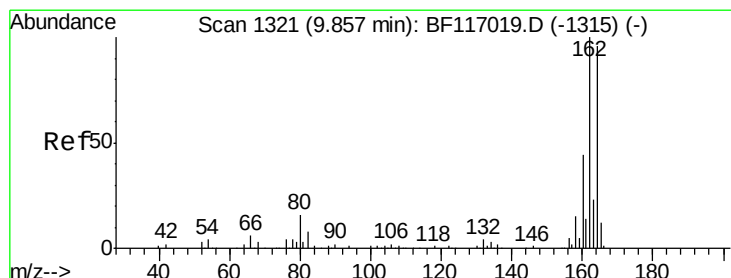
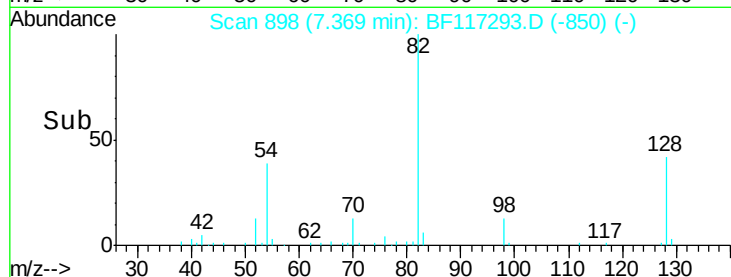
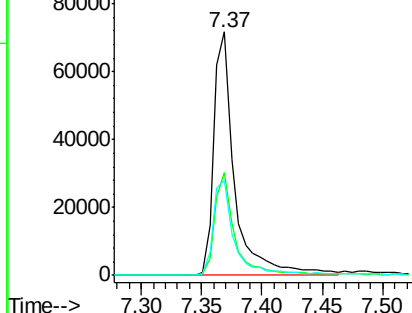
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	32.3	48.5	
54	39.3	33.3	49.9	

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM

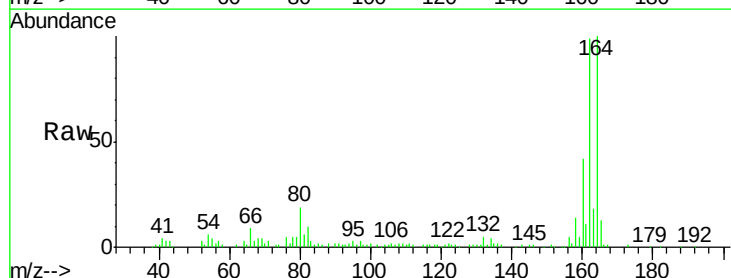


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

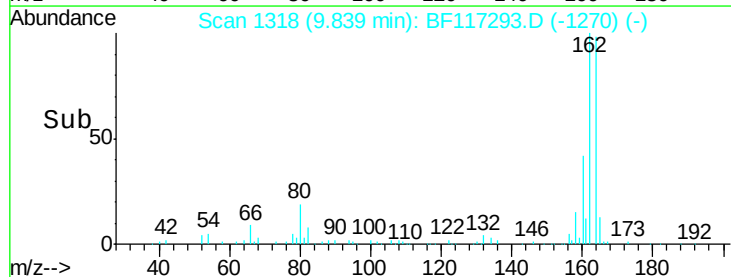
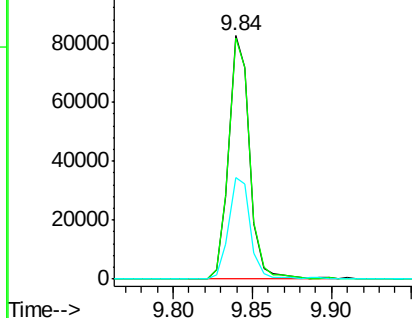


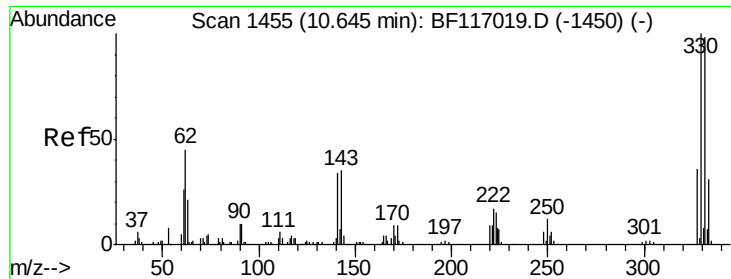
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.8	83.4	125.2	
160	41.5	36.4	54.6	



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: 36.944 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

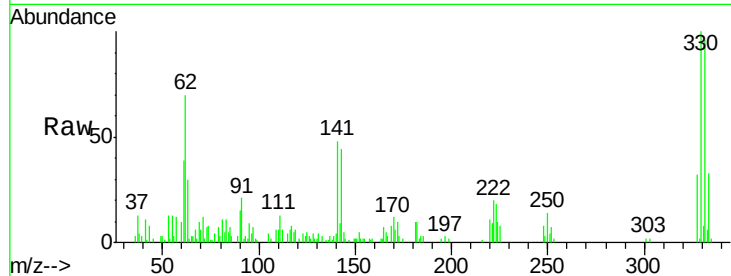
ClientSampleId :

JC-02-093019-A

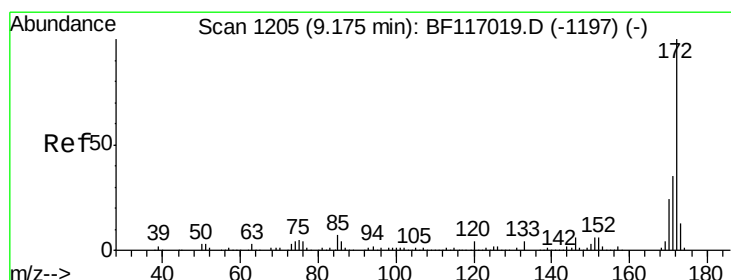
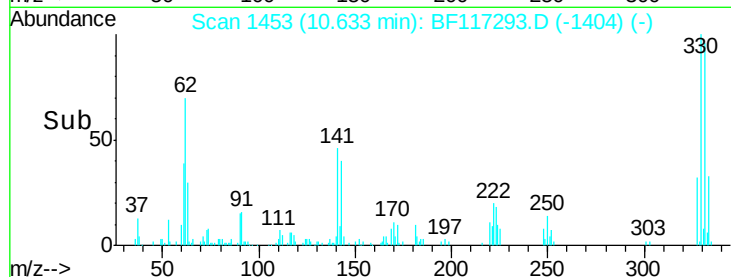
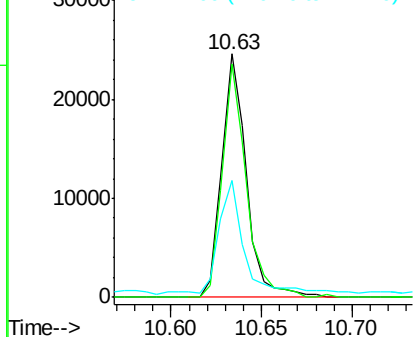
Tot Ion:	330	Resp:	23279
Ion Ratio	Lower	Upper	
330	100		
332	93.0	78.0	117.0
141	49.2	35.8	53.6

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 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: 32.178 ng

RT: 9.16 min Scan# 1203

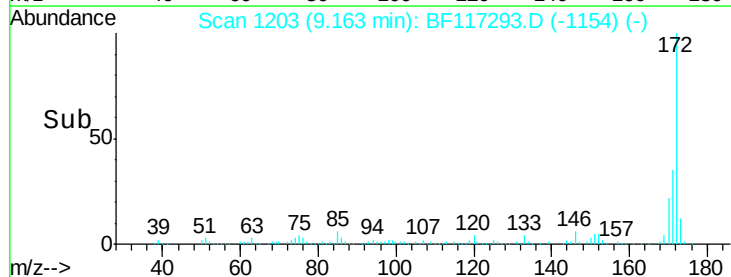
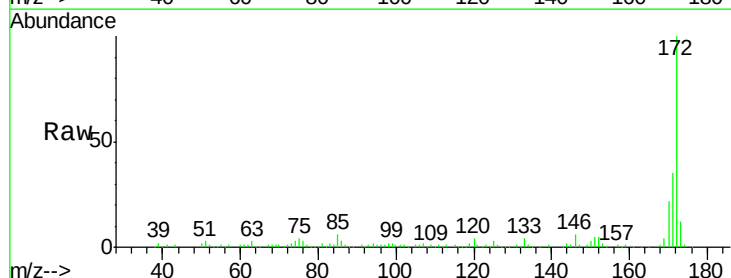
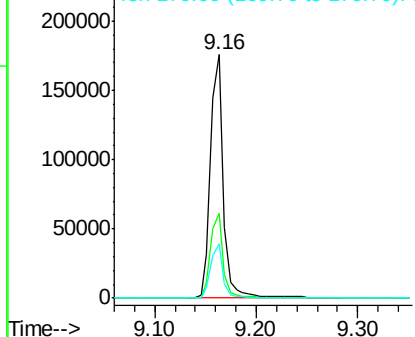
Delta R.T. -0.01 min

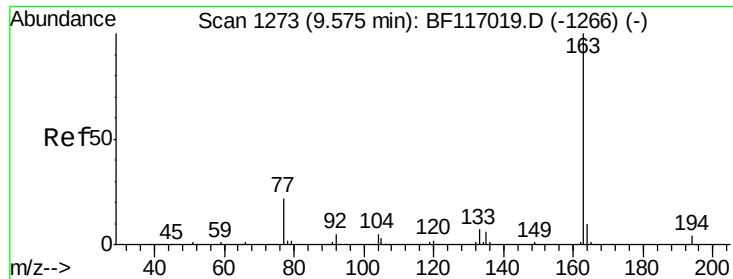
Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Tgt Ion:	172	Resp:	155158
Ion Ratio	Lower	Upper	
172	100		
171	34.7	28.2	42.2
170	22.5	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





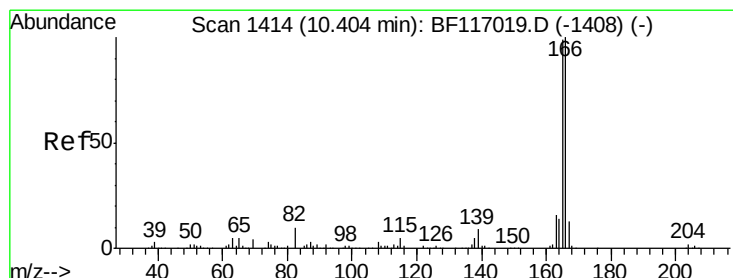
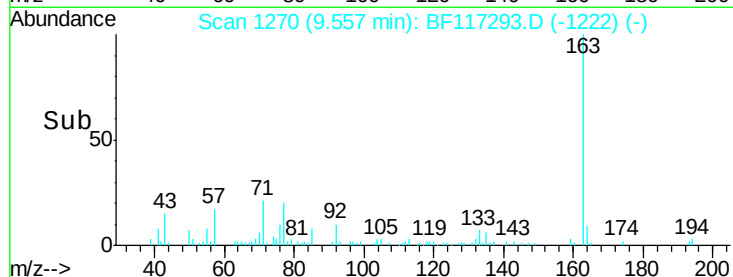
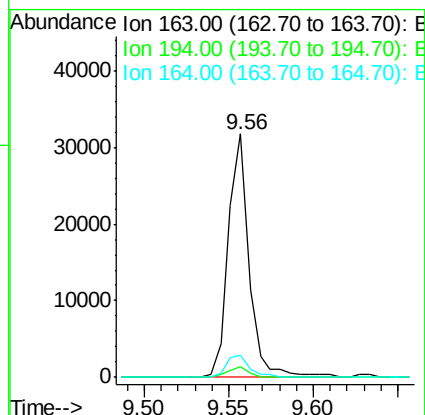
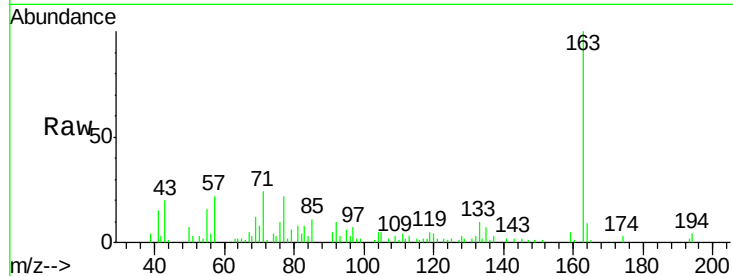
#50
Dimethylphthalate
Concen: 5.114 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	27297		
194	4.2		2.9	4.3
164	9.1		8.2	12.4

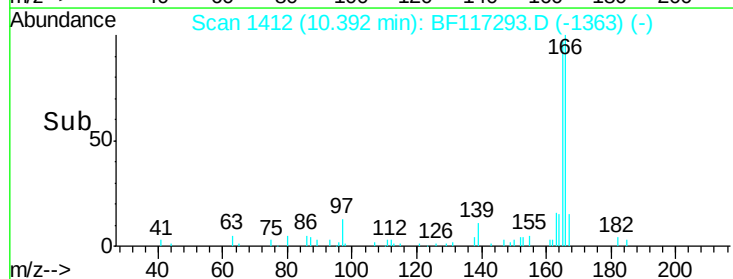
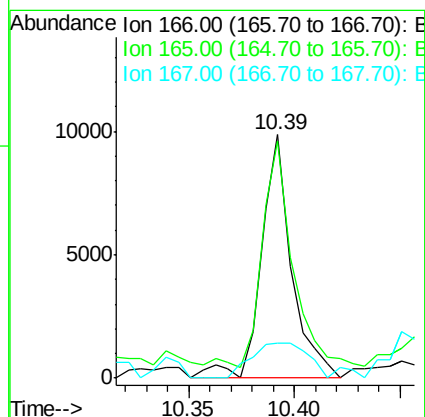
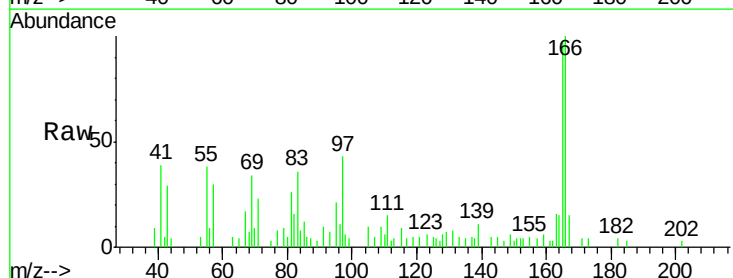
Manual Integrations
APPROVED

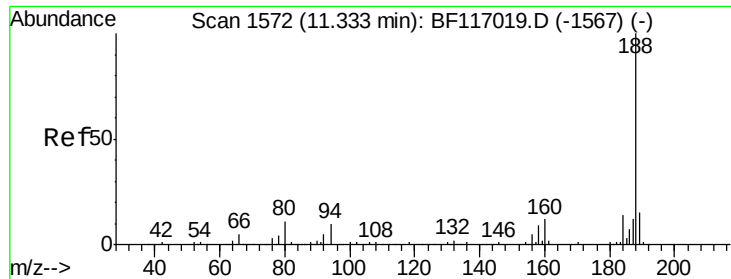
mohammad
10/4/2019 8:17:20 AM



#58
Fluorene
Concen: 2.013 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	9914		
165	97.5		78.9	118.3
167	14.6		10.6	15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

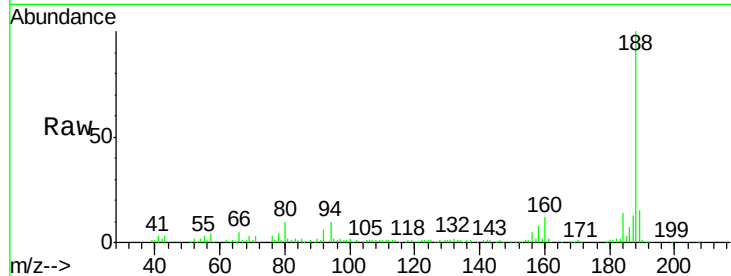
ClientSampleId :

JC-02-093019-A

Tot Ion:	188	Resp:	103186
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.2	12.2
80	10.3	9.0	13.6

Manual Integrations
APPROVED

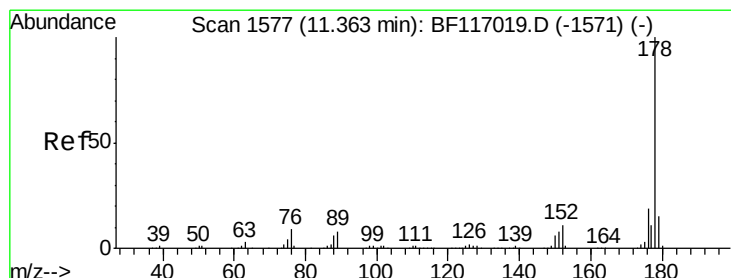
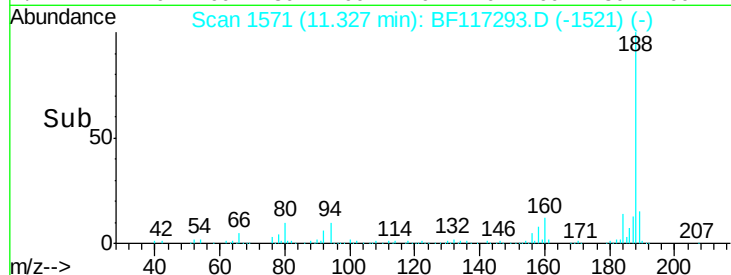
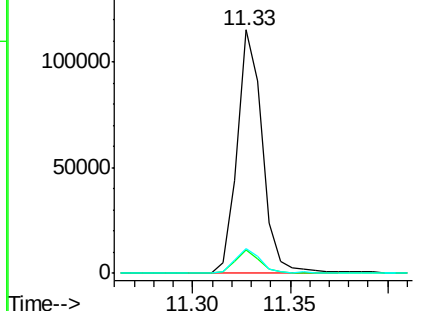
mohammad
10/4/2019 8:17:20 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 16.847 ng

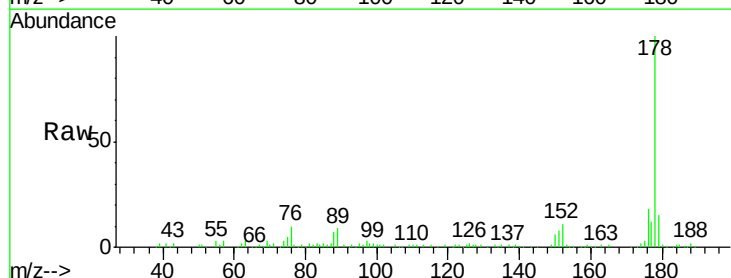
RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

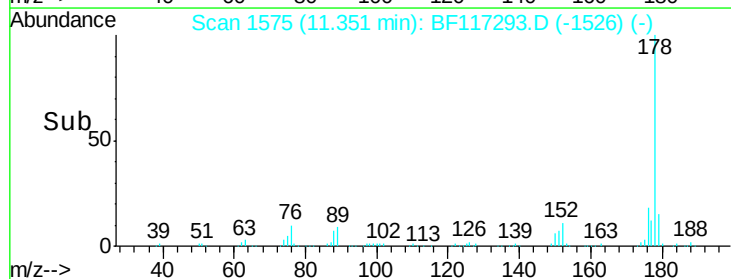
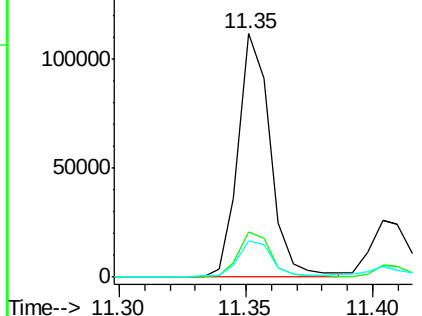
Tgt Ion:	178	Resp:	98737
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.2
179	15.1	12.4	18.6

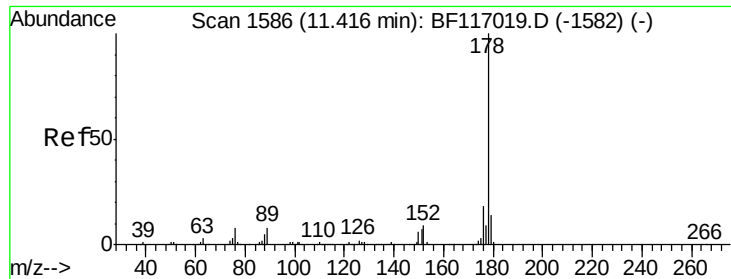


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.111 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

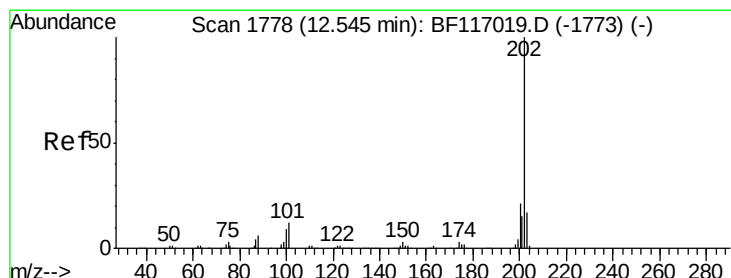
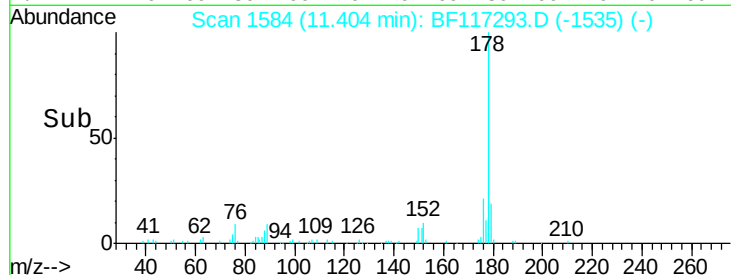
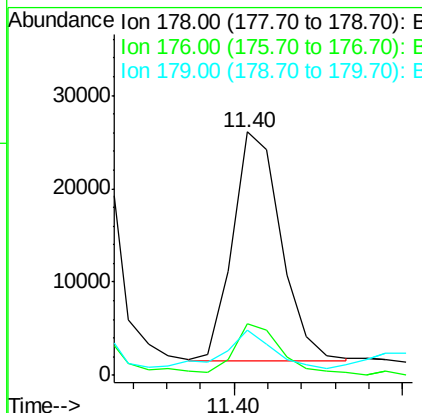
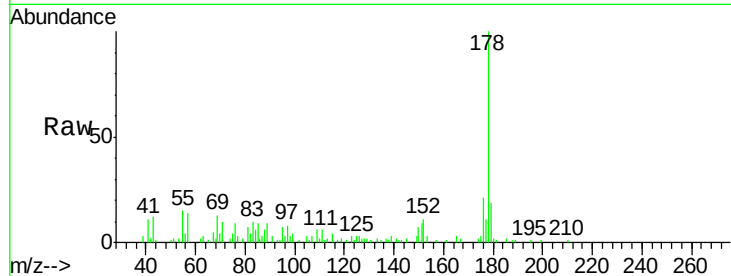
ClientSampleId :

JC-02-093019-A

Tot Ion:178	Resp:	24596
Ion Ratio	Lower	Upper
178	100	
176	21.1	14.6 21.8
179	18.6	11.6 17.4

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM



#75

Fluoranthene

Concen: 32.855 ng

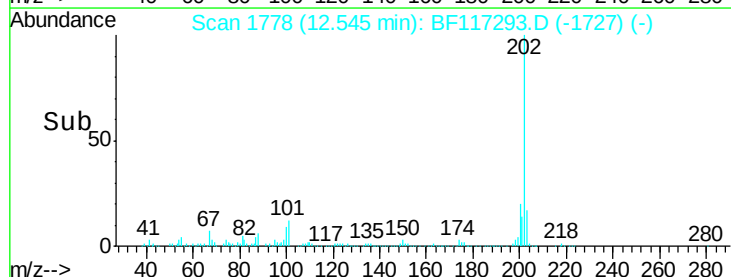
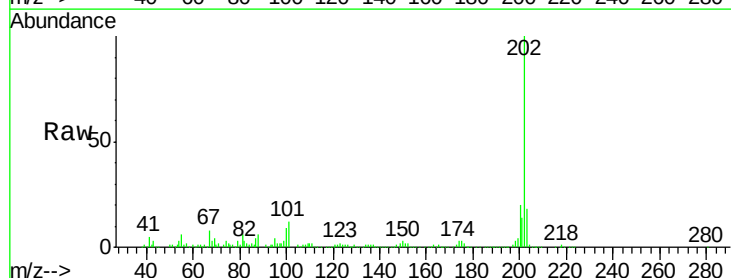
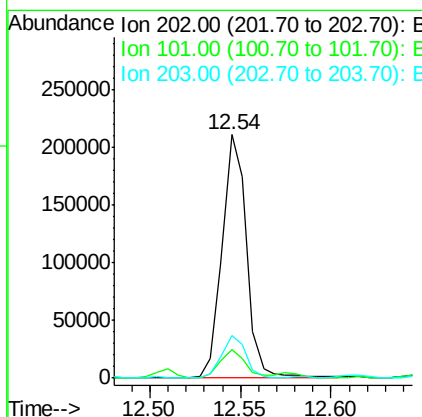
RT: 12.54 min Scan# 1778

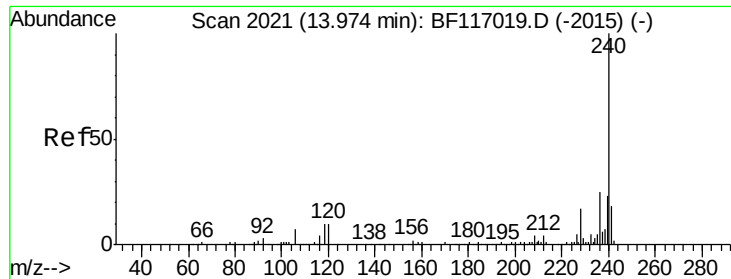
Delta R.T. 0.00 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Tgt Ion:202	Resp:	197854
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 32.3
203	17.6	0.0 37.1





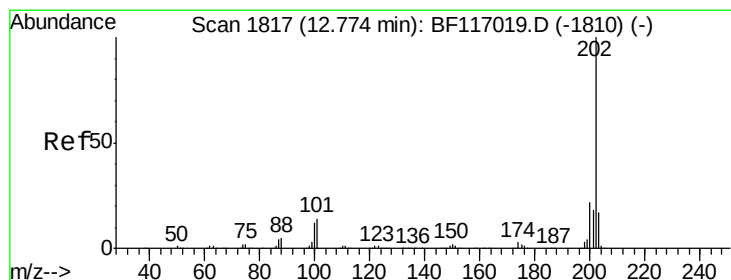
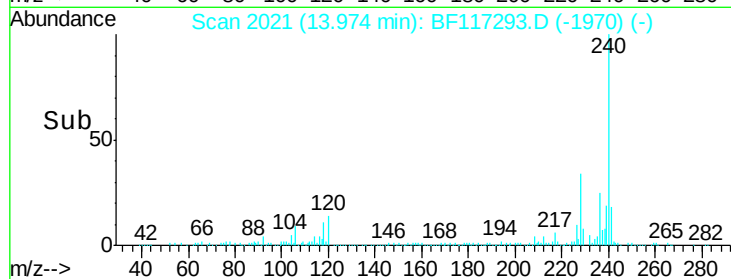
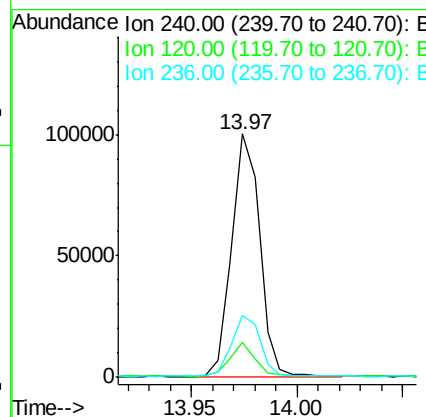
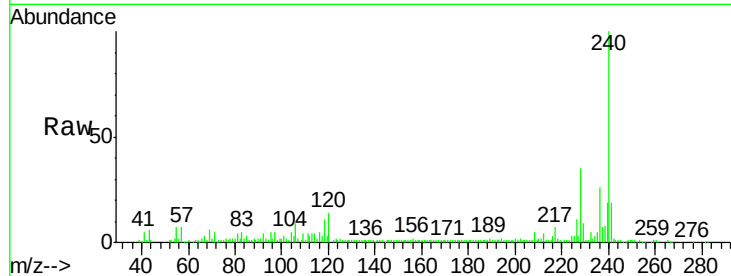
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	8.3	12.5#
236	25.5	20.3	30.5

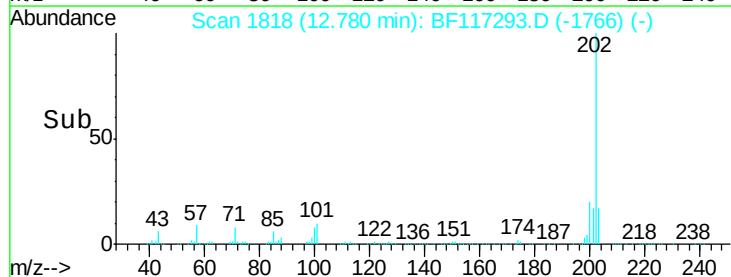
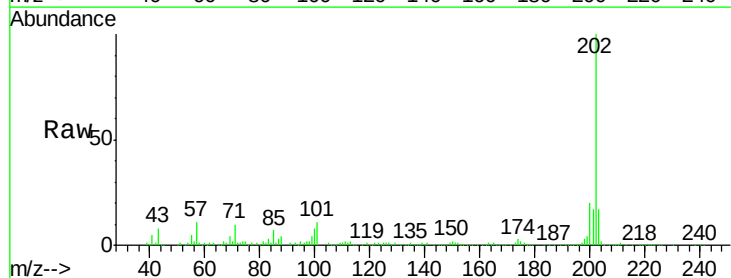
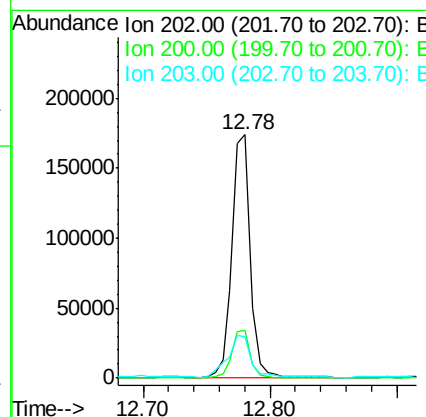
Manual Integrations
APPROVED

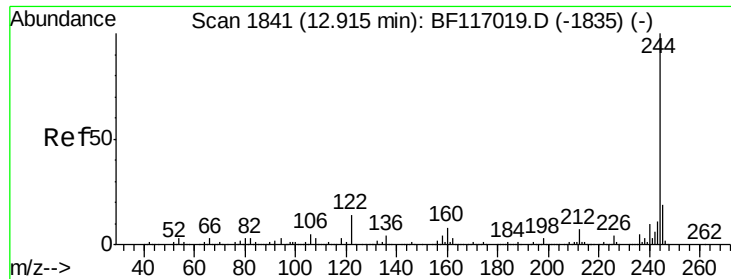
mohammad
10/4/2019 8:17:20 AM



#78
Pyrene
Concen: 22.167 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.2	25.8
203	17.1	14.0	21.0





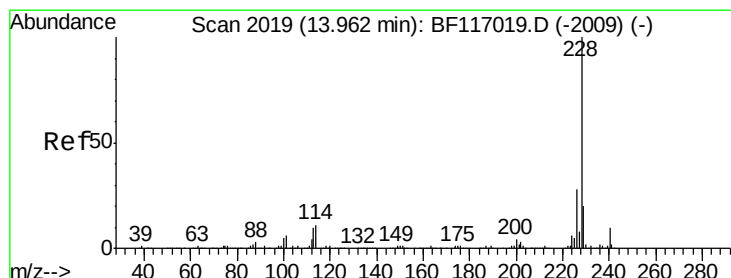
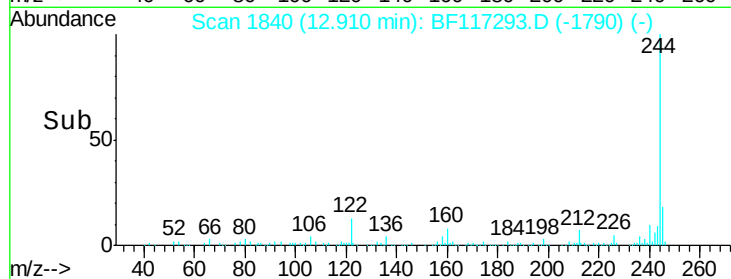
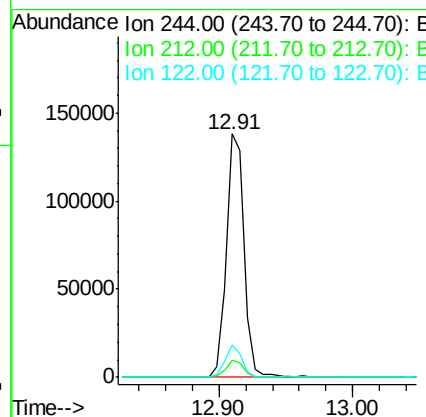
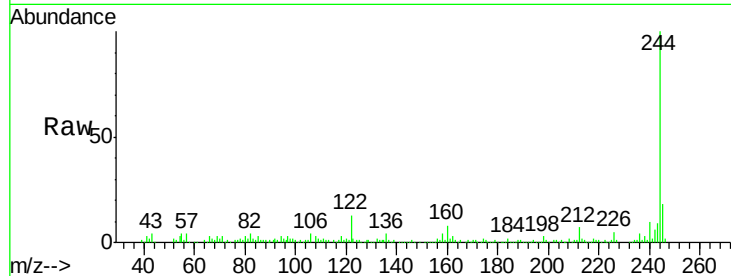
#79
 Terphenyl-d14
 Concen: 26.142 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117293.D
 Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.1	11.3	16.9

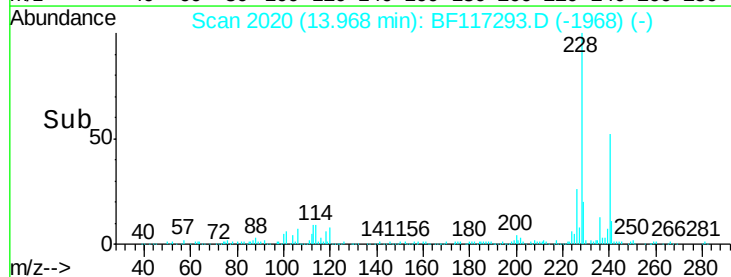
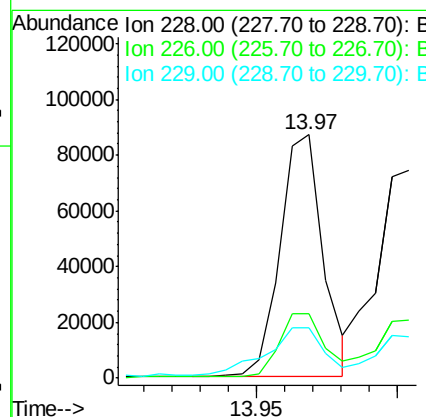
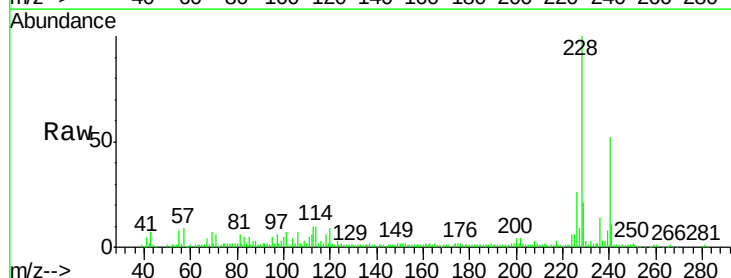
Manual Integrations
 APPROVED

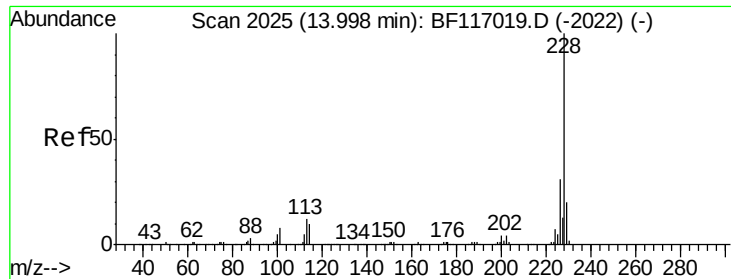
mohammad
 10/4/2019 8:17:20 AM



#81
 Benzo(a)anthracene
 Concen: 14.818 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF117293.D
 Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.3	33.5
229	20.7	15.9	23.9





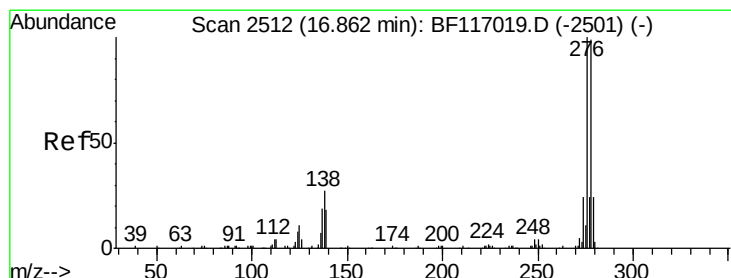
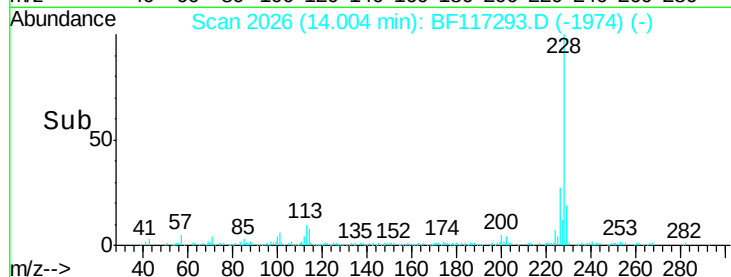
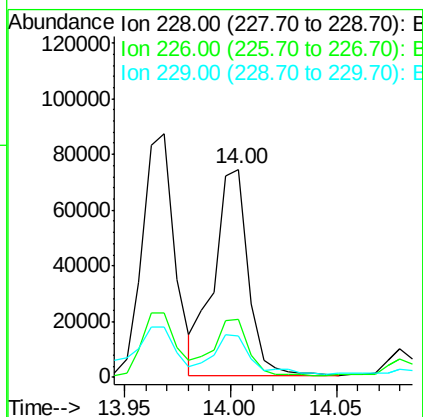
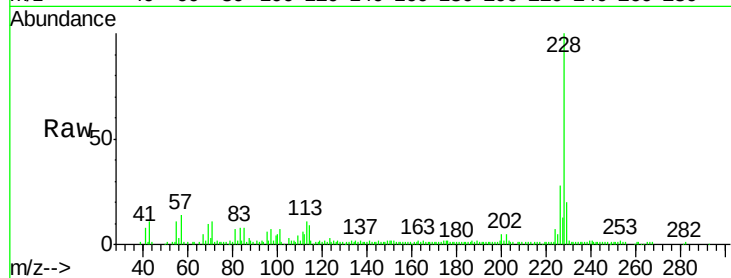
#83
Chrysene
Concen: 13.880 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.8	37.2
229	19.6	15.8	23.8

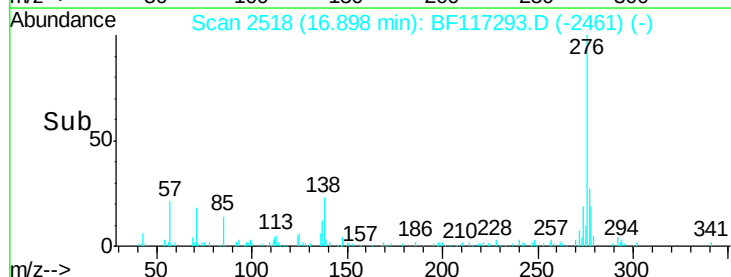
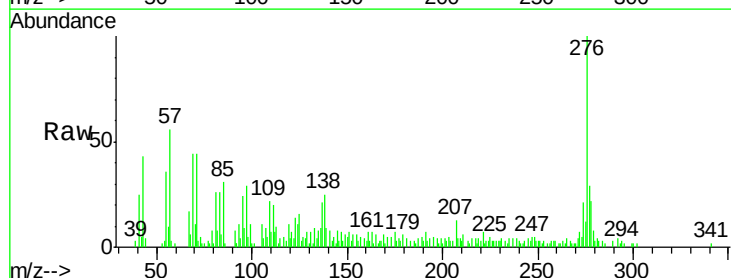
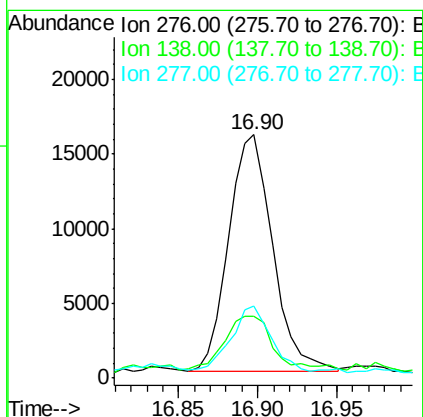
Manual Integrations
APPROVED

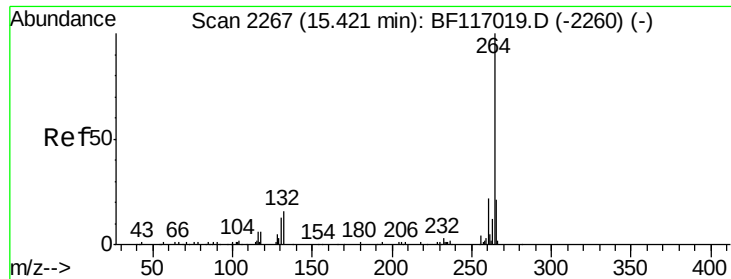
mohammad
10/4/2019 8:17:20 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.894 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.04 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.7	31.1
277	25.1	19.8	29.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.02 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

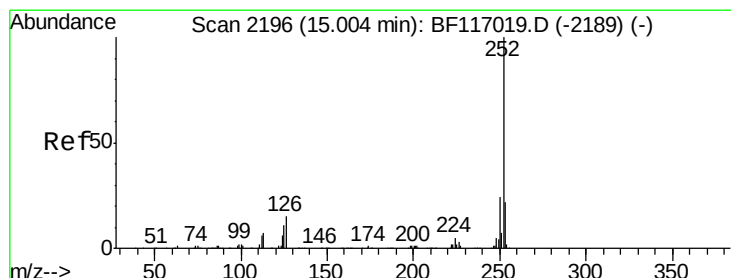
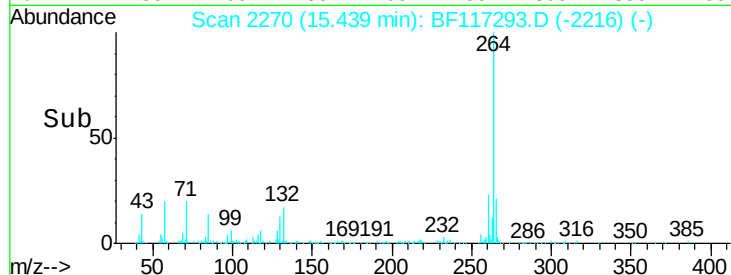
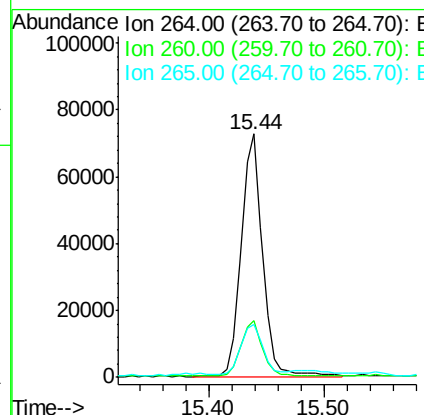
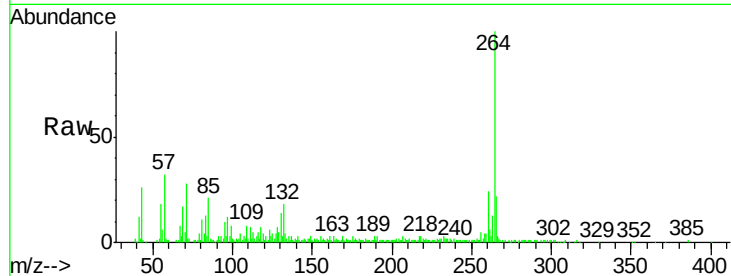
ClientSampleId :

JC-02-093019-A

Tot Ion:	264	Resp:	94636
Ion Ratio	Lower	Upper	
264	100		
260	23.5	17.6	26.4
265	21.9	16.6	24.8

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM



#88

Benzo(b)fluoranthene

Concen: 17.265 ng m

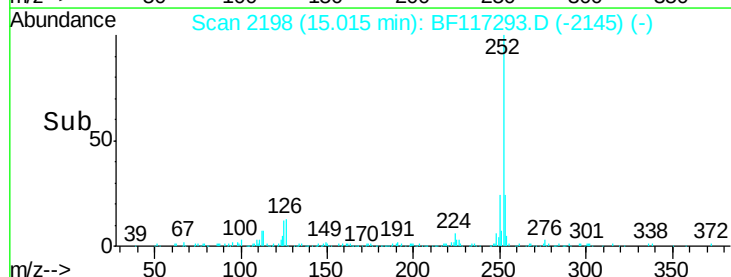
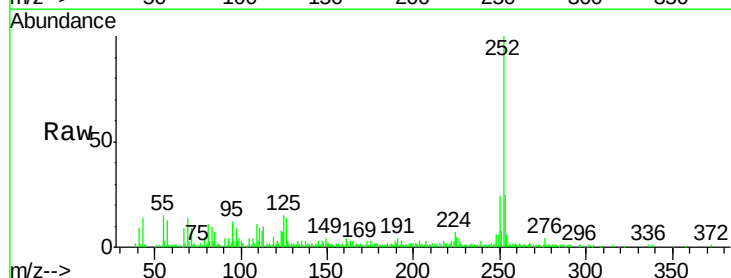
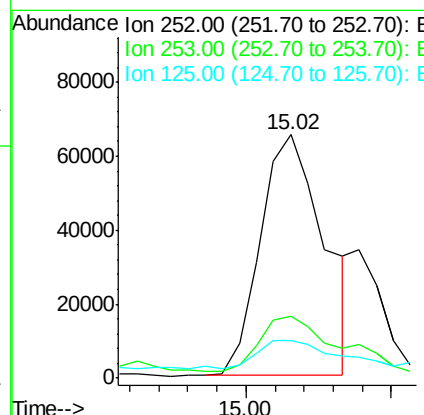
RT: 15.02 min Scan# 2198

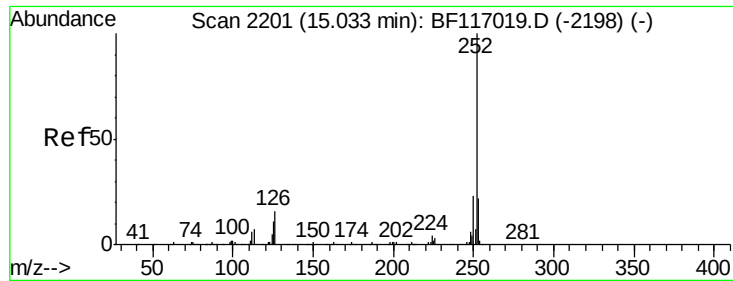
Delta R.T. 0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Tgt Ion:	252	Resp:	98973
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.6	26.4
125	15.4	8.6	12.8#





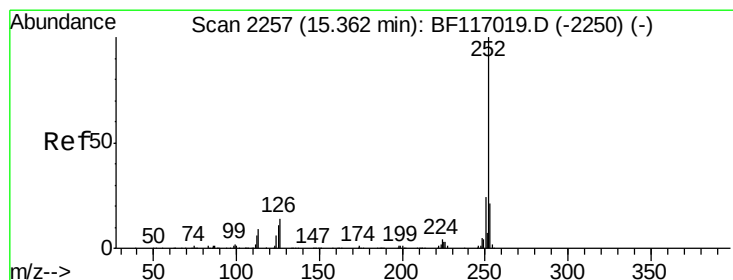
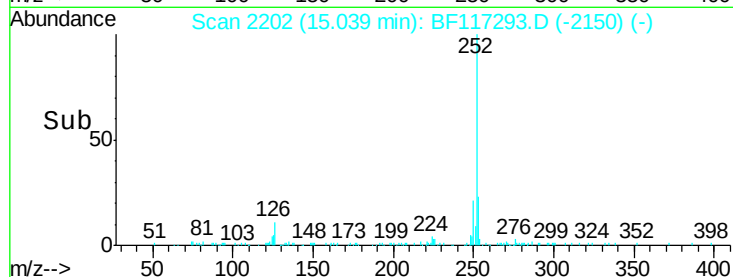
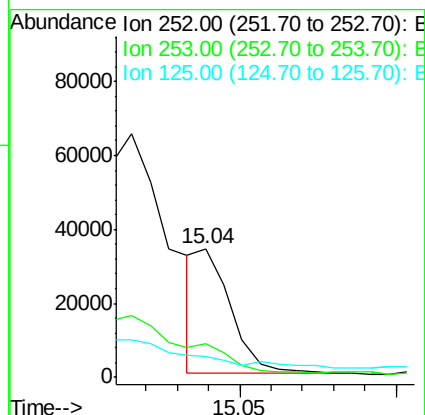
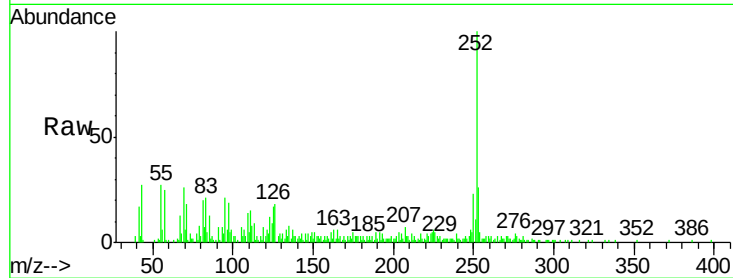
#89
Benzo(k)fluoranthene
Concen: 4.661 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.4	26.2#
125	16.5	8.8	13.2#

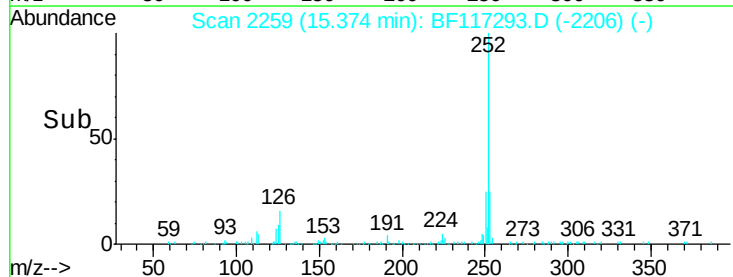
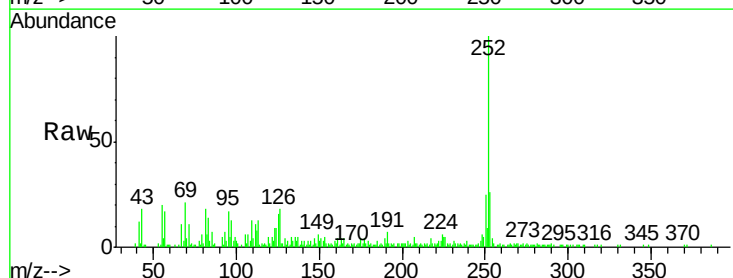
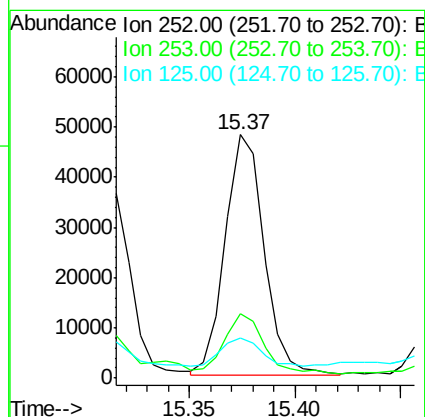
Manual Integrations
APPROVED

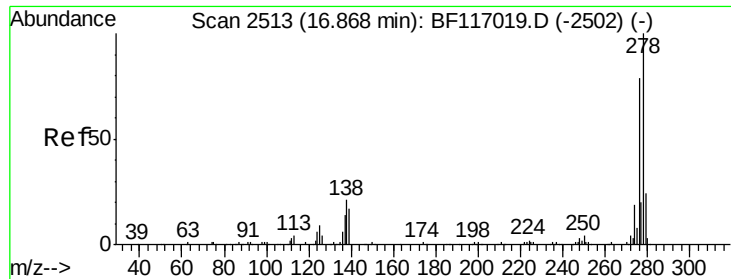
mohammad
10/4/2019 8:17:20 AM



#90
Benzo(a)pyrene
Concen: 12.240 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	16.6	25.0#
125	16.2	8.9	13.3#





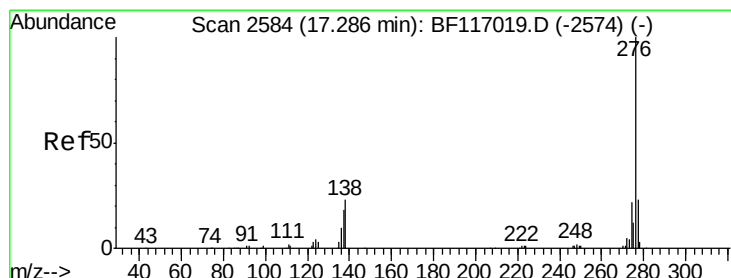
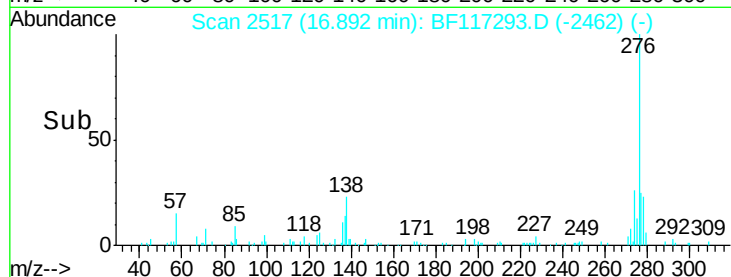
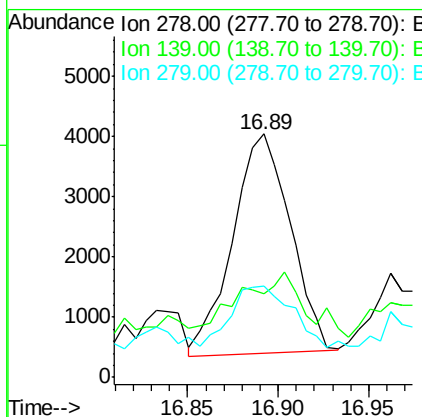
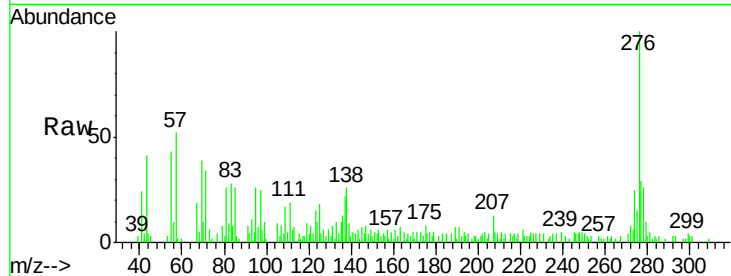
#91
Dibenzo(a,h)anthracene
Concen: 2.013 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.4	13.5	20.3#
279	37.6	18.8	28.2#

Manual Integrations
APPROVED

mohammad
10/4/2019 8:17:20 AM



#92
Benzo(g,h,i)perylene
Concen: 7.442 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.05 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	27.8
138	27.4	18.0	27.0#

