

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117517.D
 Acq On : 24 Oct 2019 18:26
 Operator : JU
 Sample : K5499-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 705-81-(0-1)

Manual Integrations
 APPROVED

mohammad
 10/26/2019 10:02:58 AM

Quant Time: Oct 25 03:55:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47100	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	191465	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	96923	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	138590	20.00	ng	0.00
76) Chrysene-d12	13.92	240	80112	20.00	ng	0.02
87) Perylene-d12	15.35	264	92832	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	248839	78.60	ng	0.00
7) Phenol-d6	6.38	99	342794	80.62	ng	0.00
23) Nitrobenzene-d5	7.30	82	213966	55.17	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	56367	67.21	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	284122	41.30	ng	0.00
79) Terphenyl-d14	12.84	244	185206	37.71	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.03	128	29492	3.108	ng	98
37) 2-Methylnaphthalene	8.73	142	23239	3.634	ng	98
38) 1-Methylnaphthalene	8.82	142	35007	5.826	ng	98
49) Acenaphthylene	9.63	152	108444	12.204	ng	99
50) Dimethylphthalate	9.48	163	54407	7.874	ng	98
52) Acenaphthene	9.80	154	156576	28.719	ng	99
55) Dibenzofuran	9.97	168	204370	25.873	ng	97
58) Fluorene	10.32	166	295597	45.253	ng	100
71) Phenanthrene	11.30	178	2799344	347.857	ng	98
72) Anthracene	11.35	178	740030	89.623	ng	100
73) Carbazole	11.49	167	166469	22.061	ng	100
75) Fluoranthene	12.50	202	2962659	367.754	ng	96
78) Pvrene	12.73	202	2289854	332.770	ng	96
81) Benzo(a)anthracene	13.91	228	1143950	211.691	ng	97
83) Chrysene	13.94	228	944765	178.388	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	21731	4.530	ng	# 98
86) Indeno(1,2,3-cd)pvrene	16.78	276	355857	89.996	ng	97
88) Benzo(b)fluoranthene	14.96	252	1232922m	224.910	ng	
89) Benzo(k)fluoranthene	14.97	252	315435m	56.142	ng	
90) Benzo(a)pvrene	15.31	252	831369	166.804	ng	# 93
91) Dibenzo(a,h)anthracene	16.77	278	101538	23.561	ng	# 78
92) Benzo(g,h,i)perylene	17.20	276	312160	76.553	ng	94

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

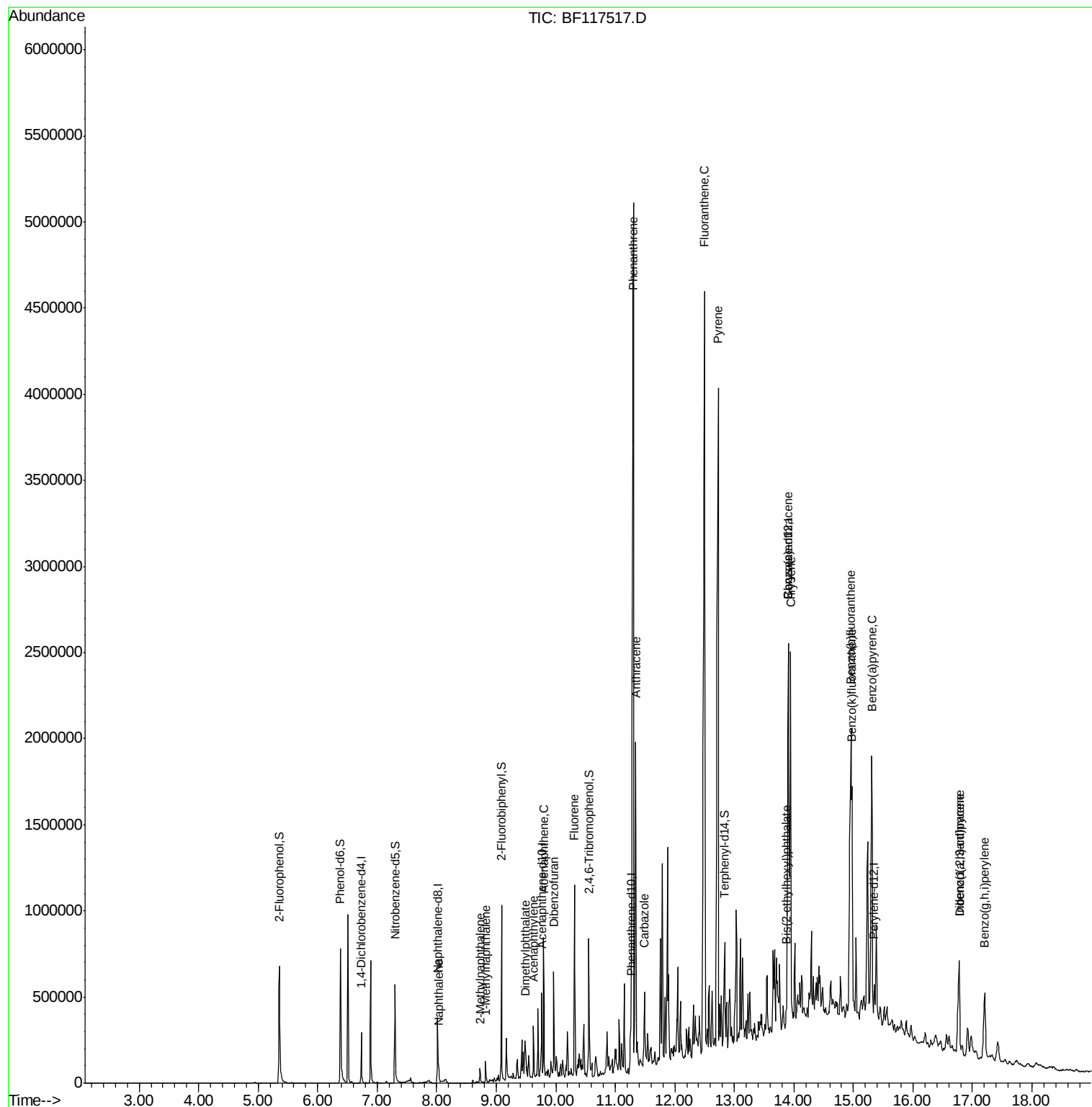
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117517.D
Acq On : 24 Oct 2019 18:26
Operator : JU
Sample : K5499-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM

Quant Time: Oct 25 03:55:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration





#1

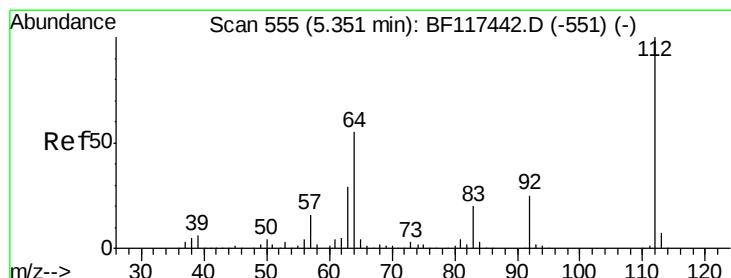
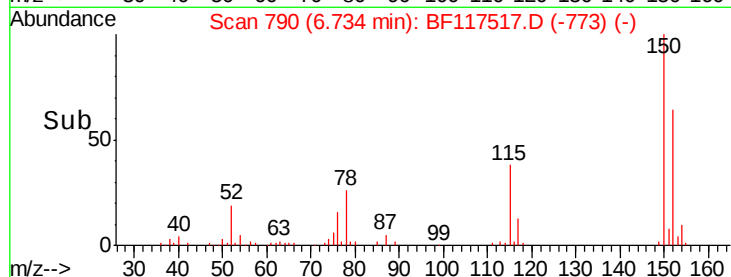
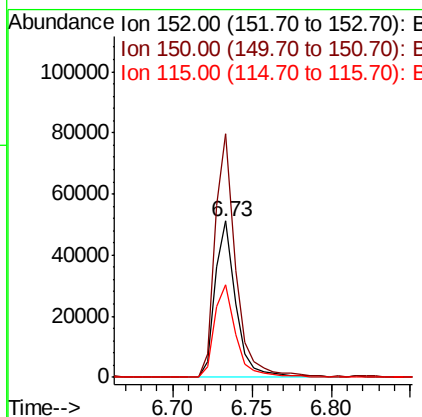
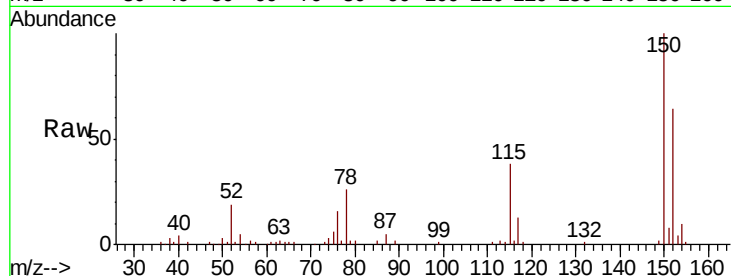
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.8	190.2
115	58.9	51.6	77.4

Manual Integrations
APPROVED

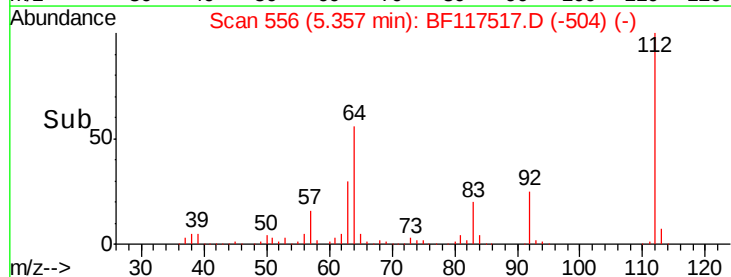
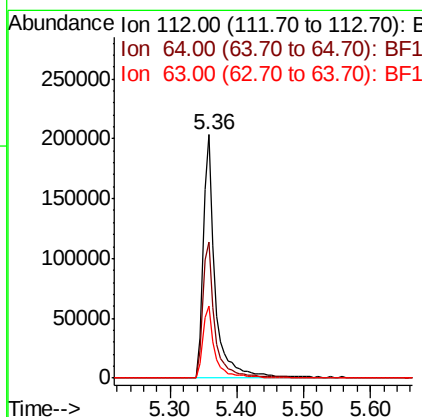
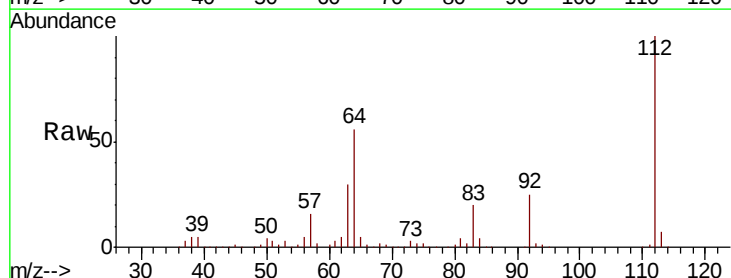
mohammad
10/26/2019 10:02:58 AM



#5

2-Fluorophenol
Concen: 78.598 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	29.8	23.4	35.2





#7

Phenol-d6

Concen: 80.615 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

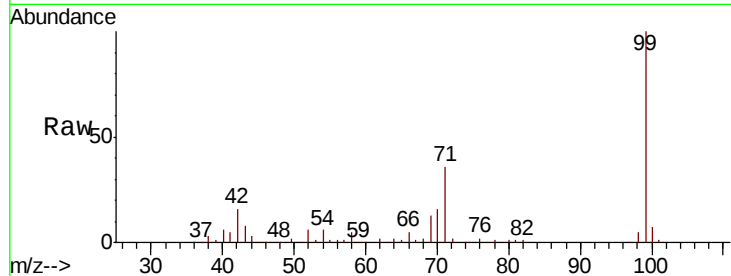
ClientSampleId :

705-81-(0-1)

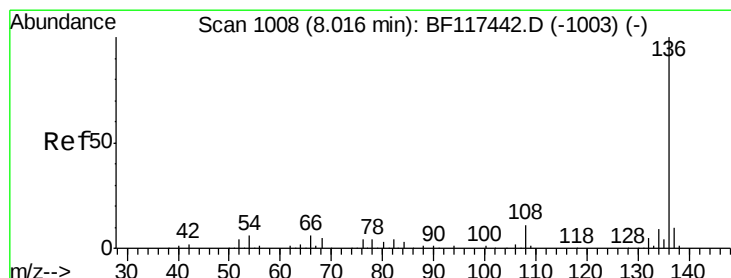
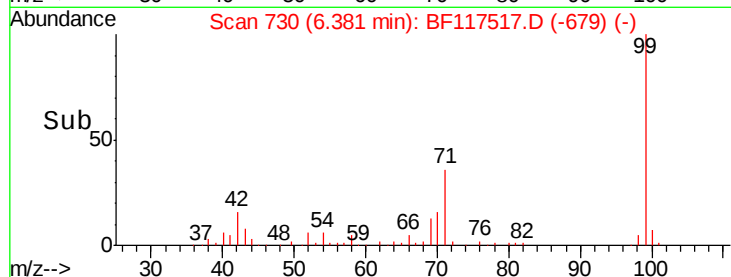
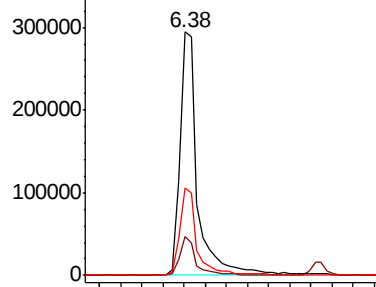
Tot Ion:	99	Resp:	342794
Ion Ratio	Lower	Upper	
99	100		
42	16.1	12.8	19.2
71	36.0	28.6	43.0

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 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: 8.02 min Scan# 1008

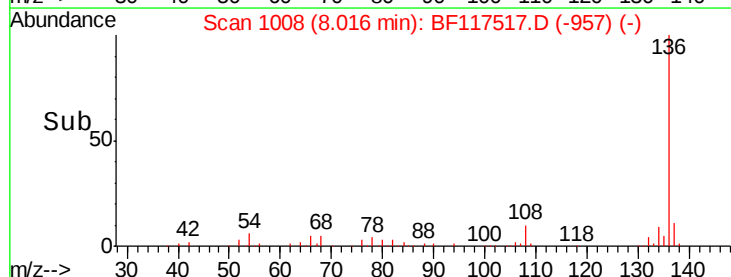
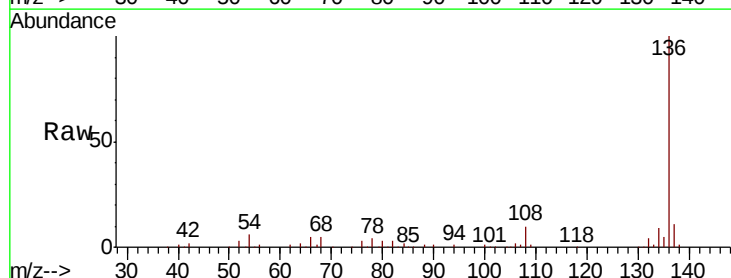
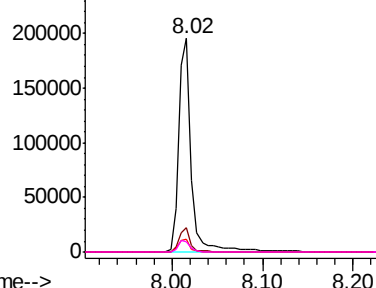
Delta R.T. -0.00 min

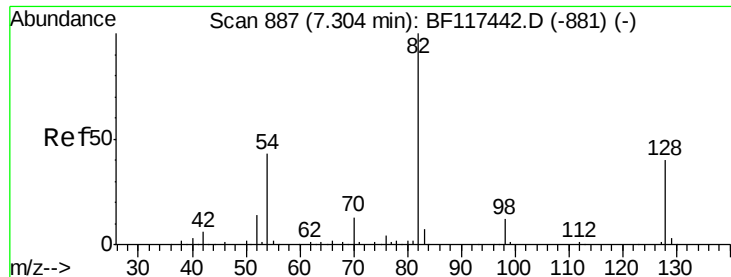
Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Tgt Ion:	136	Resp:	191465
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.4
54	5.8	4.5	6.7
68	4.9	4.3	6.5

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





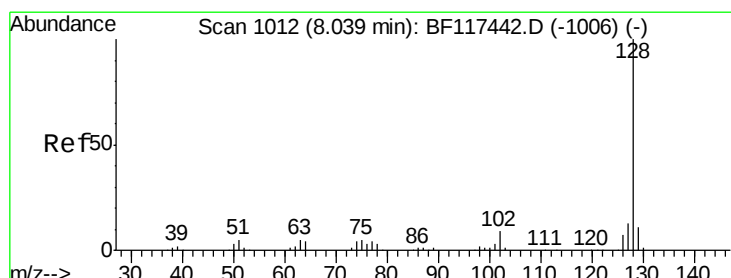
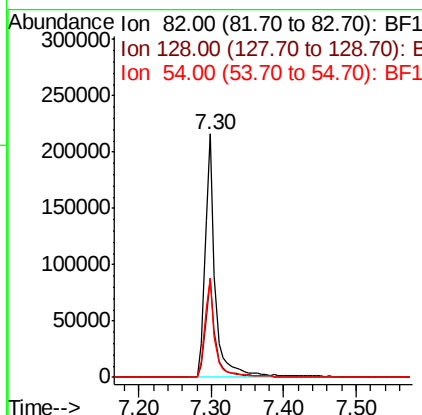
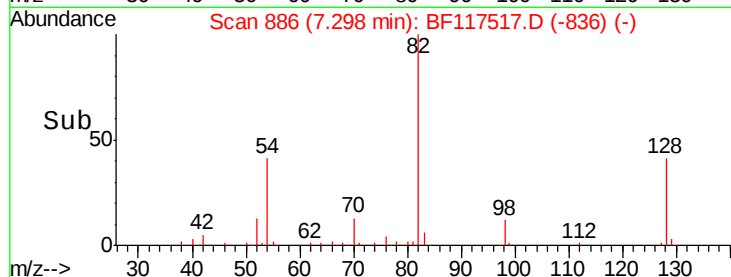
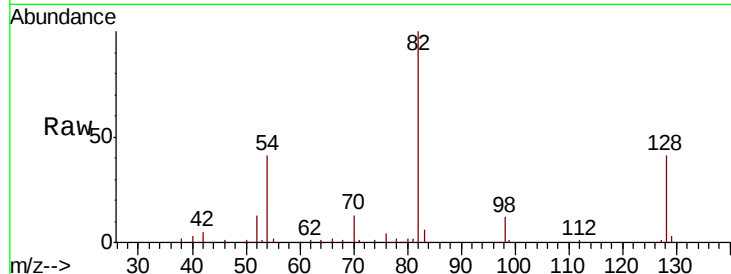
#23
 Nitrobenzene-d5
 Concen: 55.170 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117517.D
 Acq: 24 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 705-81-(0-1)

Tot Ion:	82	Resp:	213966
Ion Ratio	Lower	Upper	
82	100		
128	40.9	32.2	48.2
54	40.8	34.2	51.2

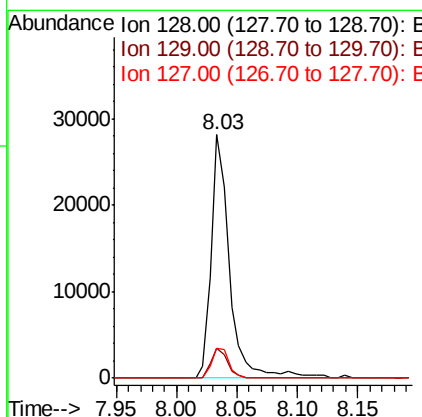
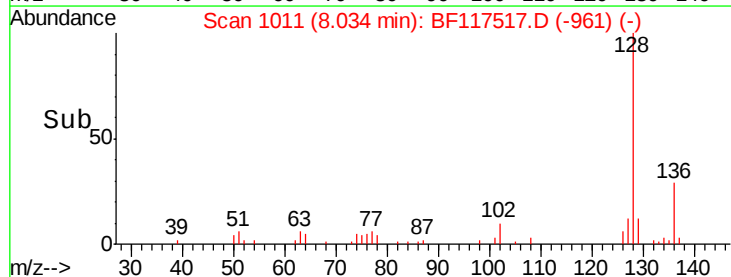
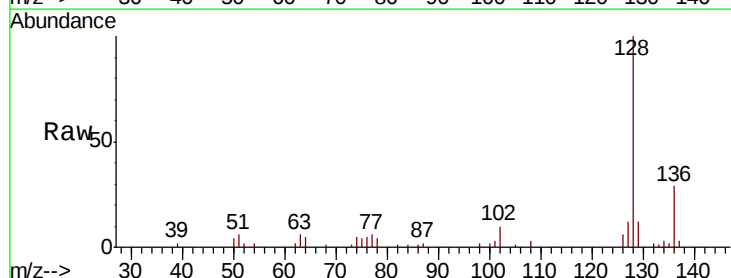
Manual Integrations
 APPROVED

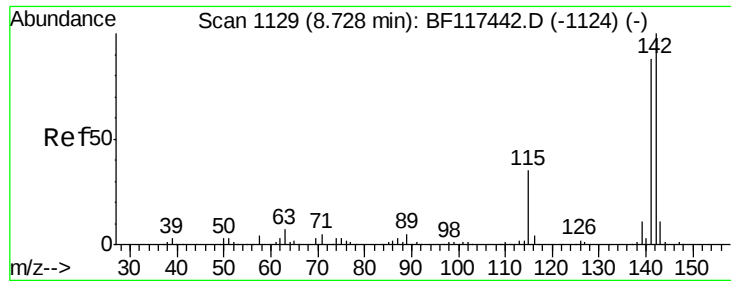
mohammad
 10/26/2019 10:02:58 AM



#31
 Naphthalene
 Concen: 3.108 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF117517.D
 Acq: 24 Oct 2019 18:26

Tgt Ion:	128	Resp:	29492
Ion Ratio	Lower	Upper	
128	100		
129	12.4	9.0	13.4
127	12.3	10.2	15.2





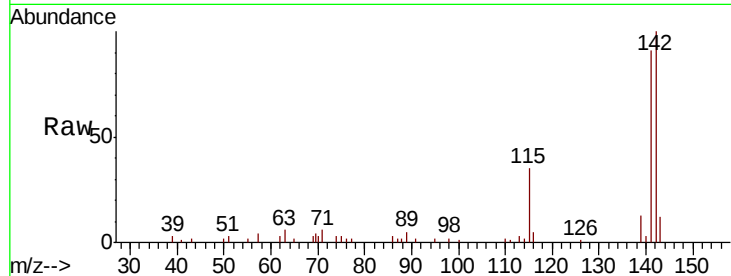
#37
2-Methylnaphthalene
Concen: 3.634 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.3	105.5
115	35.3	28.2	42.2

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM

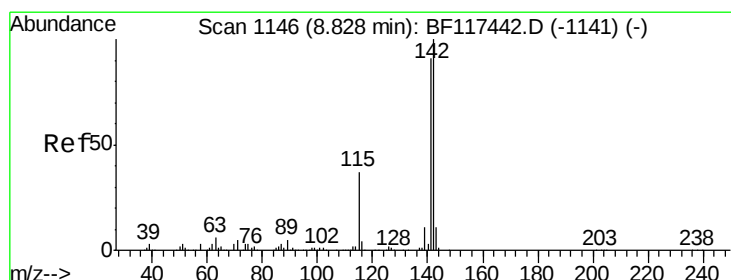
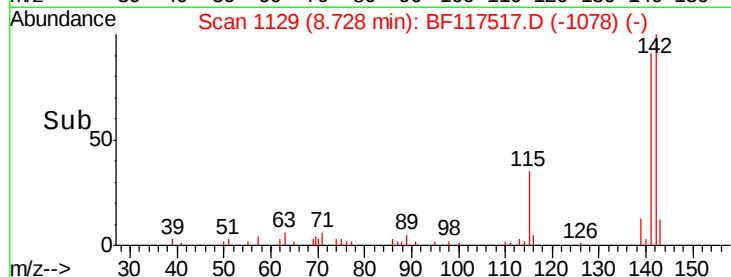
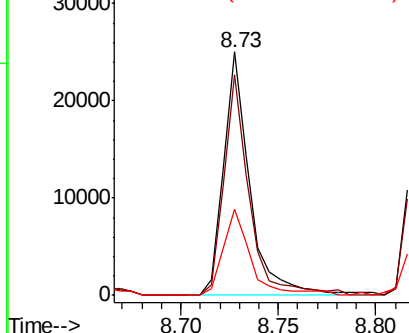


Abundance

Ion 142.00 (141.70 to 142.70): E

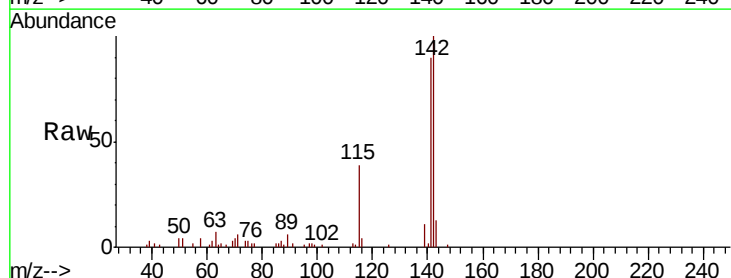
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 5.826 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	73.3	109.9
116	3.7	3.1	4.7

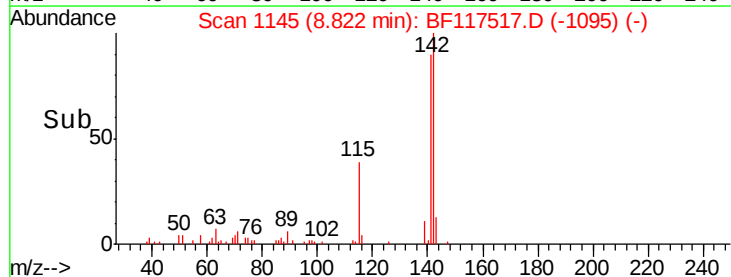
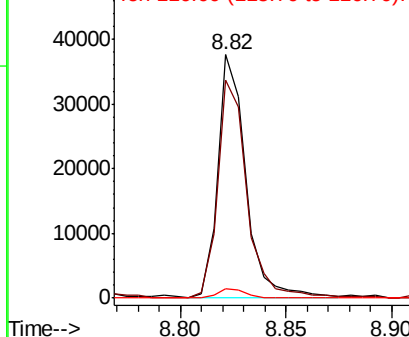


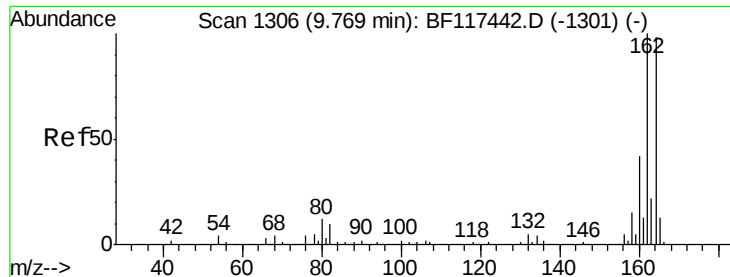
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

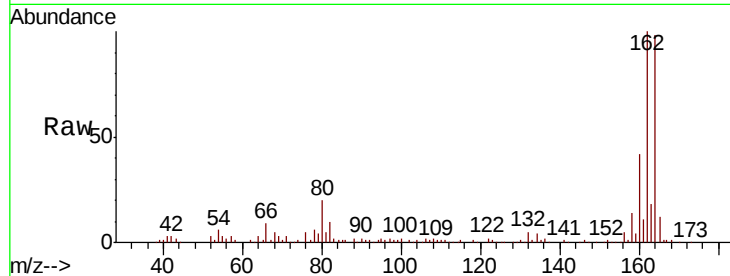
ClientSampled :

705-81-(0-1)

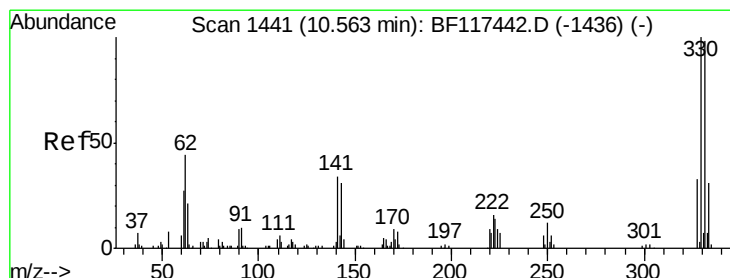
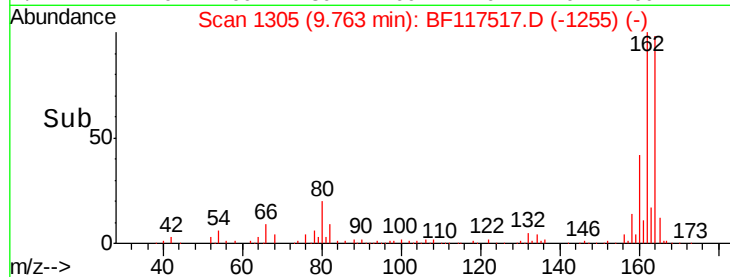
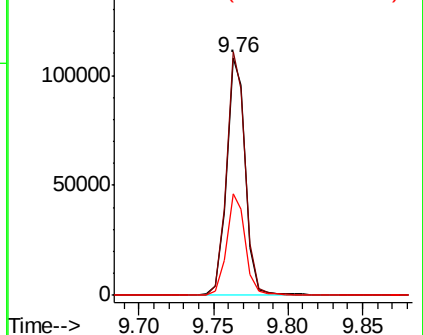
Tot Ion:	164	Resp:	96923
Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	42.8	34.4	51.6

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM



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: 67.213 ng

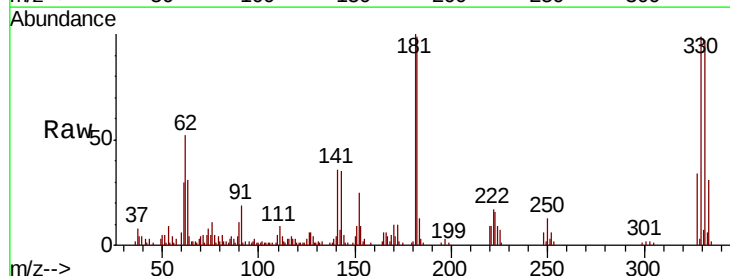
RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

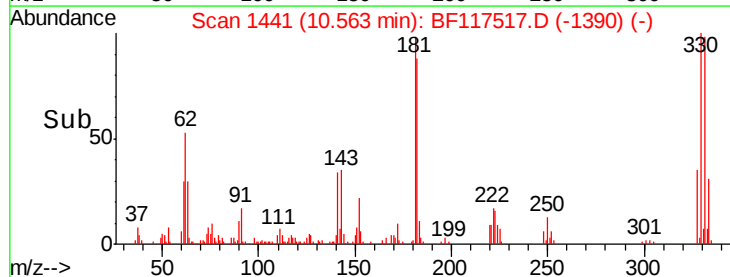
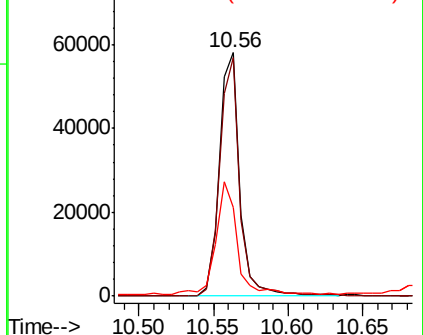
Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Tgt Ion:	330	Resp:	56367
Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.5	117.7
141	46.4	37.0	55.6



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





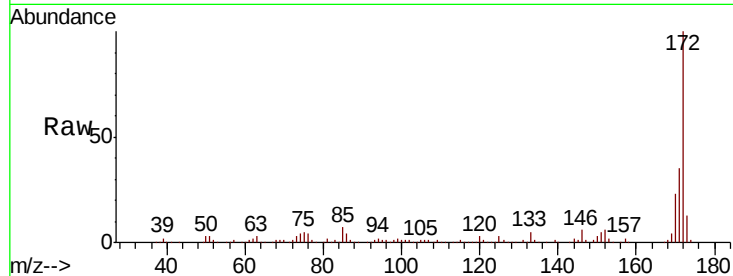
#45
2-Fluorobiphenyl
Concen: 41.303 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.1	27.5	41.3
170	23.1	18.6	27.8

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM

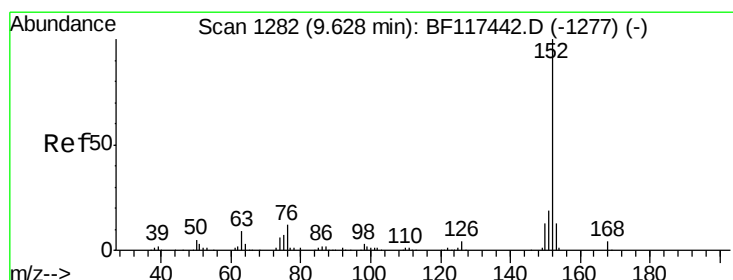
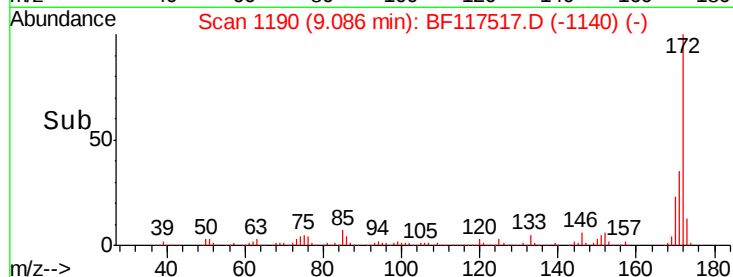
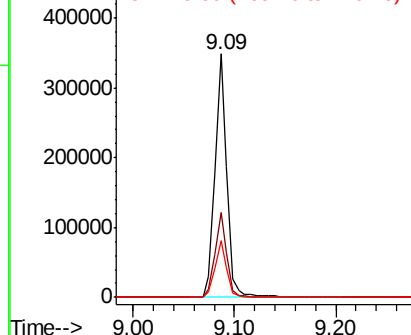


Abundance

Ion 172.00 (171.70 to 172.70): E

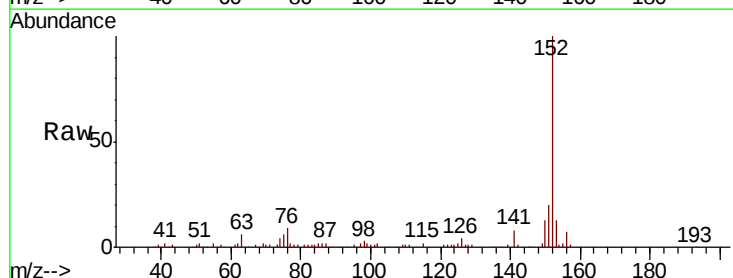
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 12.204 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.2	15.4	23.0
153	12.8	10.3	15.5

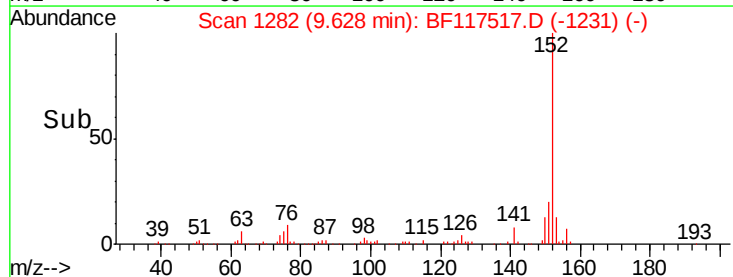
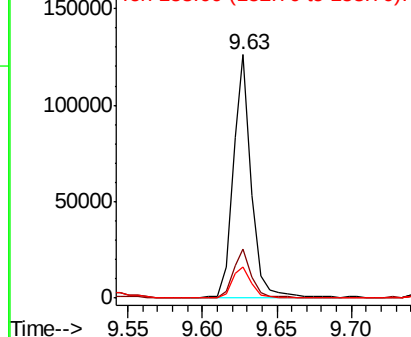


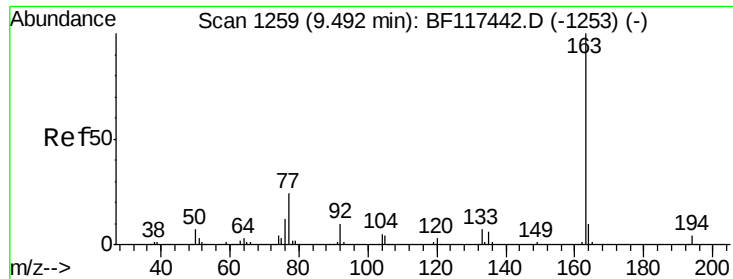
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





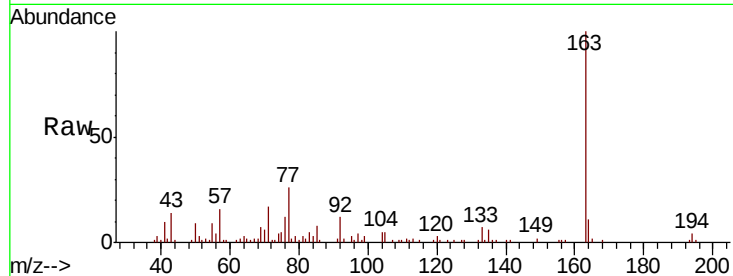
#50
Dimethylphthalate
Concen: 7.874 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	54407		
194	4.1		2.9	4.3
164	11.0		8.2	12.2

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM

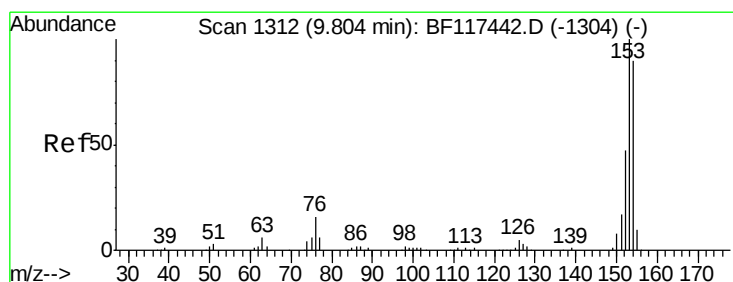
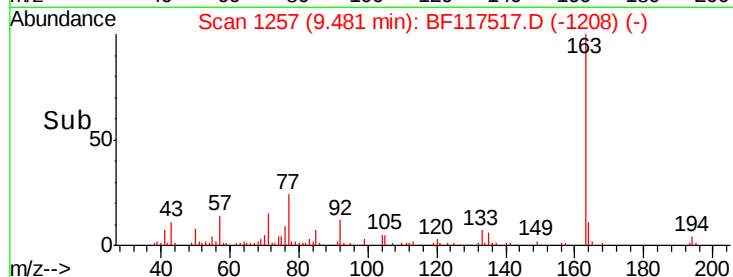
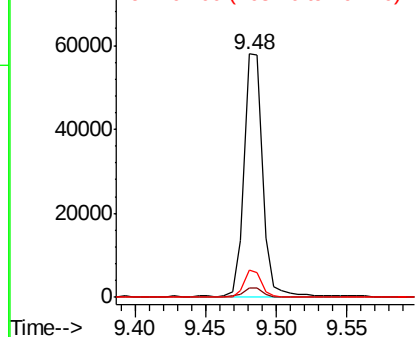


Abundance

Ion 163.00 (162.70 to 163.70): E

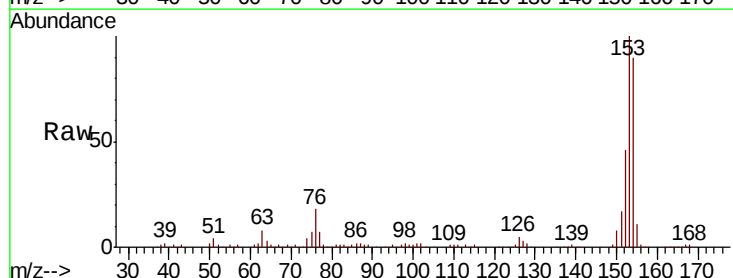
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 28.719 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	156576		
153	111.7		89.2	133.8
152	50.9		41.8	62.6

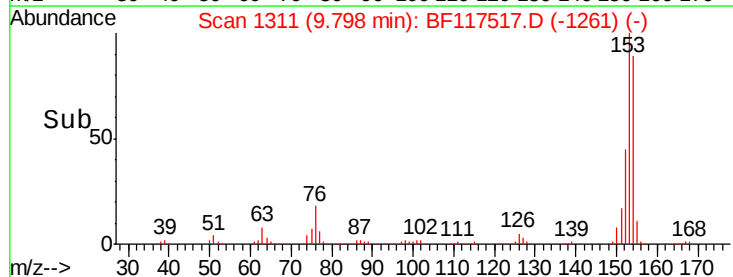
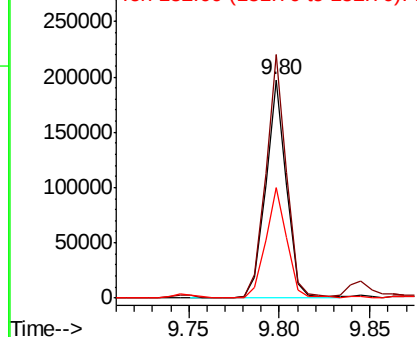


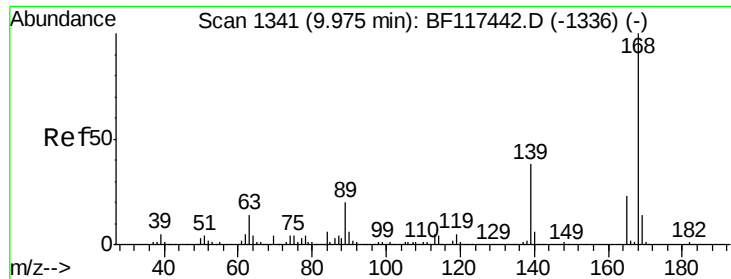
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





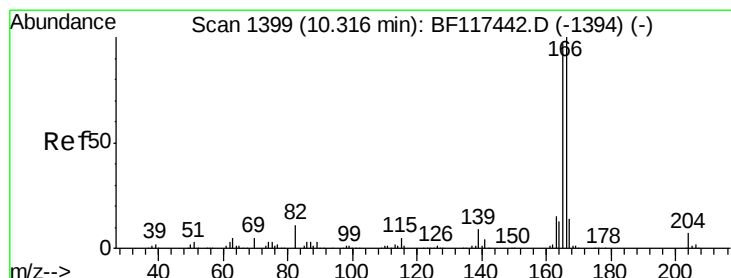
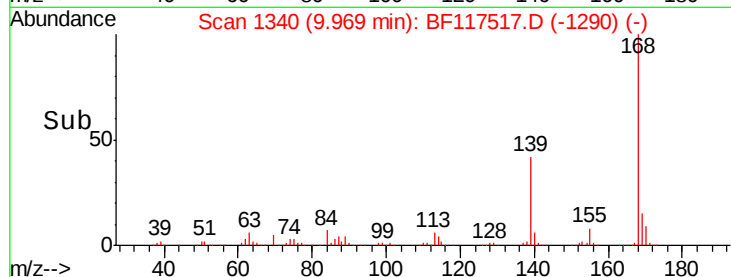
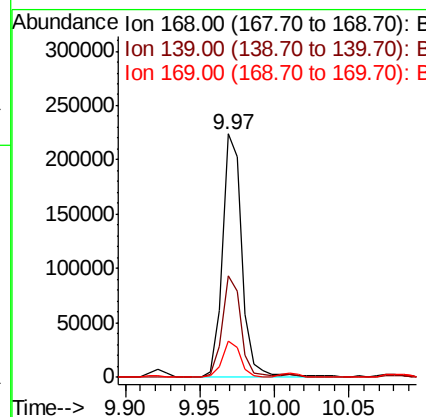
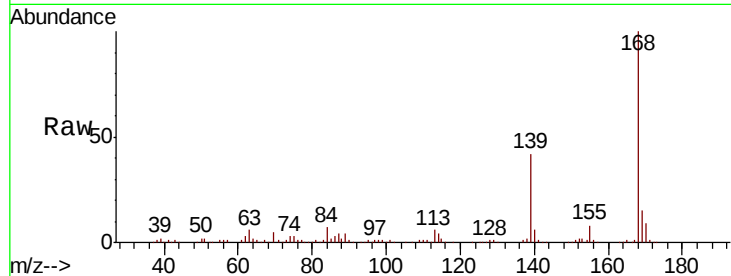
#55
Dibenzenofuran
Concen: 25.873 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.8	31.8	47.6
169	14.9	11.2	16.8

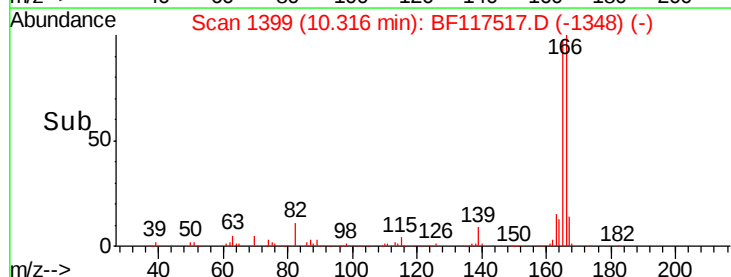
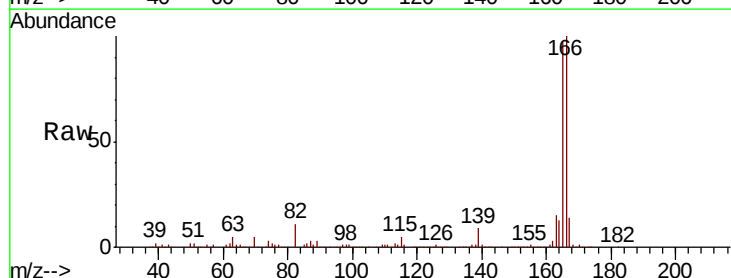
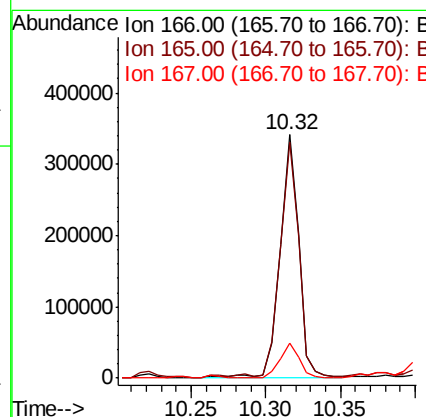
Manual Integrations
APPROVED

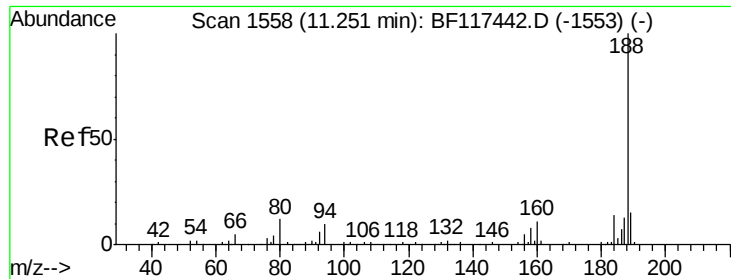
mohammad
10/26/2019 10:02:58 AM



#58
Fluorene
Concen: 45.253 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.6	116.4
167	14.1	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

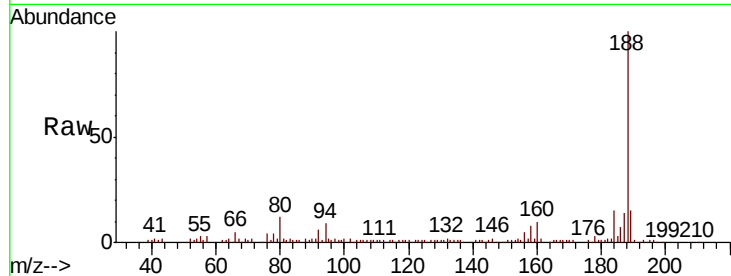
ClientSampleId :

705-81-(0-1)

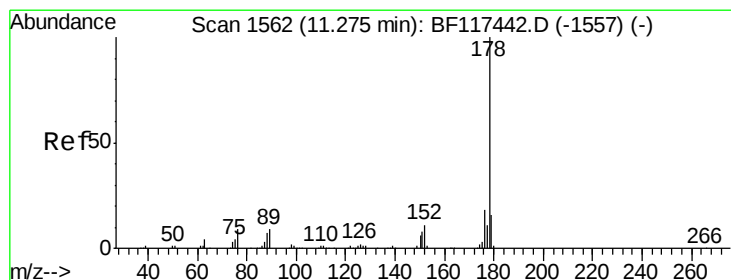
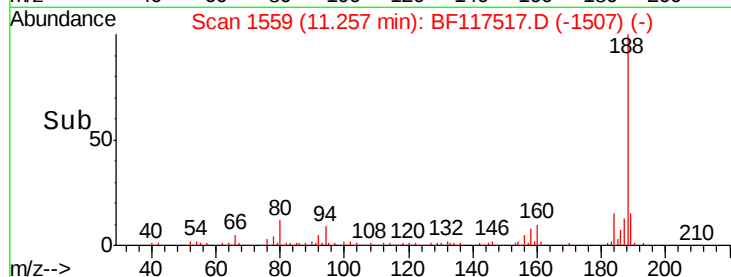
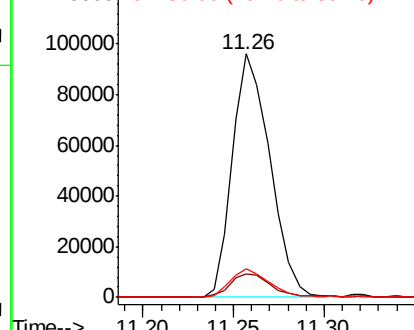
Tot Ion:	188	Resp:	138590
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.0	12.0
80	11.5	9.5	14.3

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 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: 347.857 ng

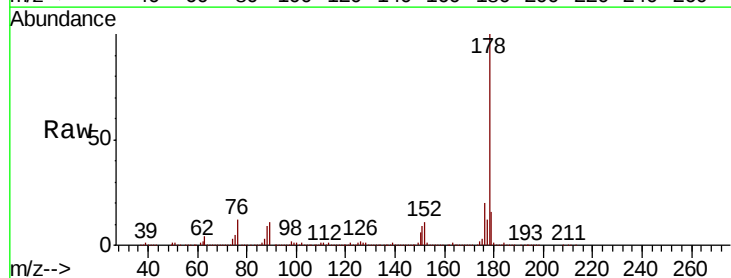
RT: 11.30 min Scan# 1567

Delta R.T. 0.03 min

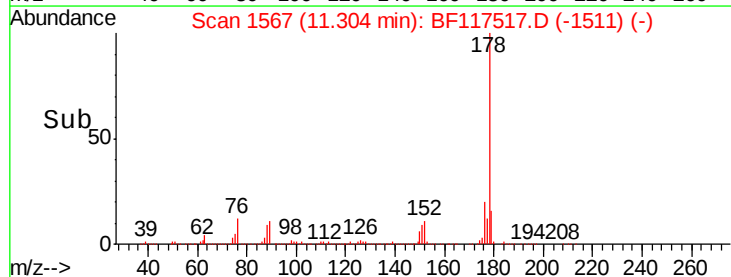
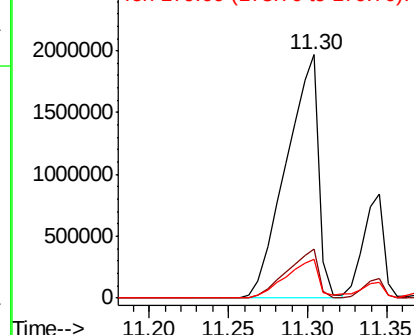
Lab File: BF117517.D

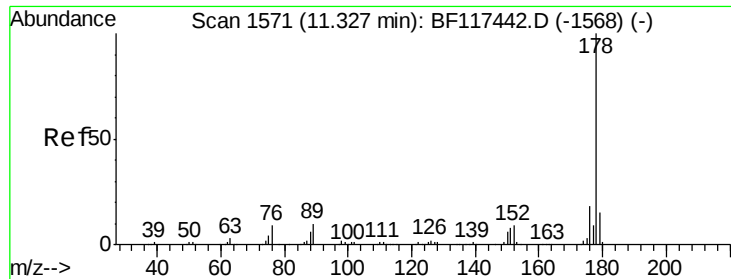
Acq: 24 Oct 2019 18:26

Tgt Ion:	178	Resp:	2799344
Ion Ratio	Lower	Upper	
178	100		
176	20.0	14.6	22.0
179	15.9	12.6	19.0



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: 89.623 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.02 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

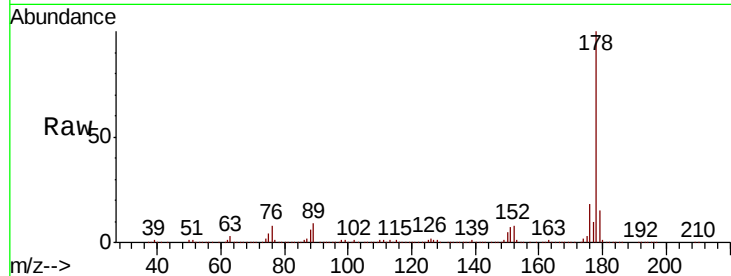
ClientSampleId :

705-81-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.5	12.2	18.2

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM

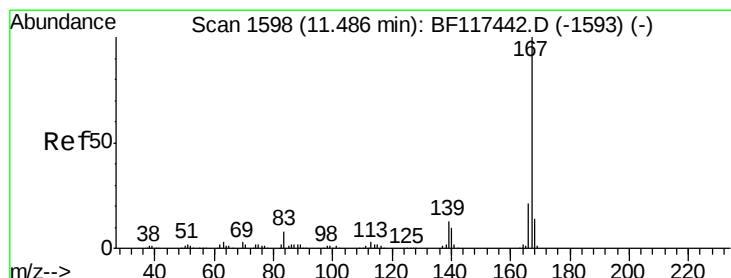
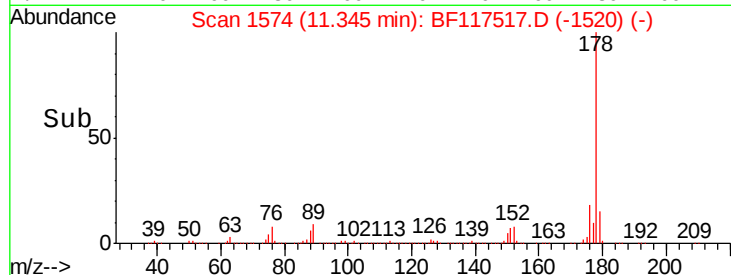
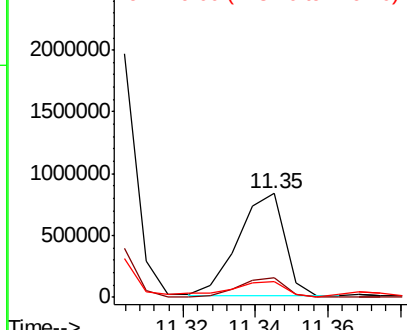


Abundance

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



#73

Carbazole

Concen: 22.061 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

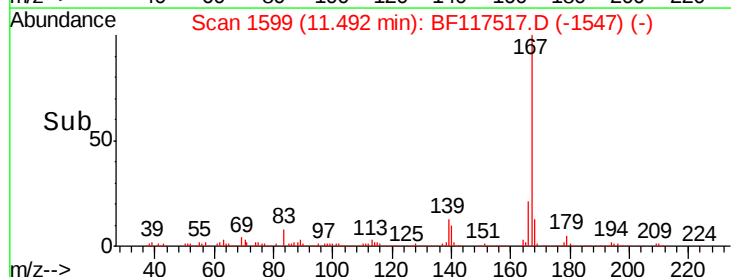
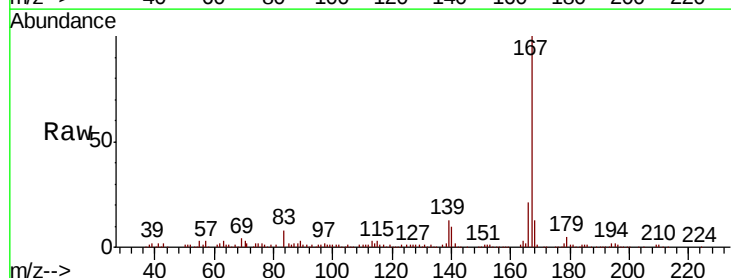
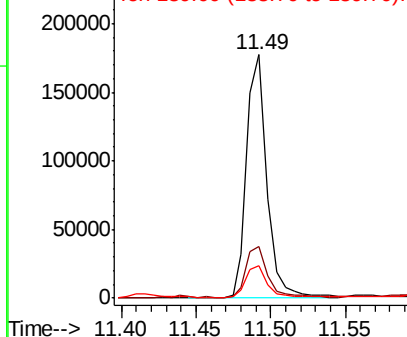
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.1	10.6	16.0

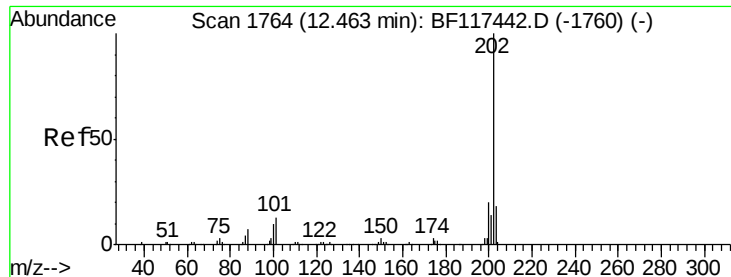
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 367.754 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.04 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

705-81-(0-1)

Tot Ion:202 Resp: 2962659

Ion Ratio Lower Upper

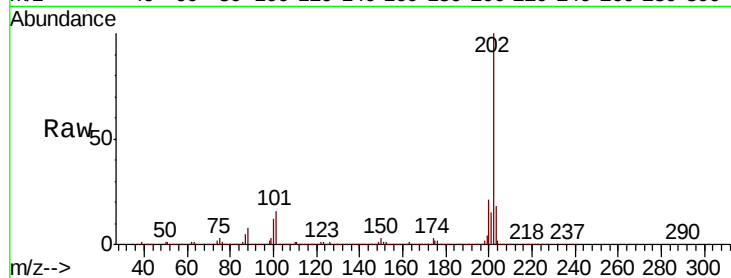
202 100

101 16.1 0.0 32.7

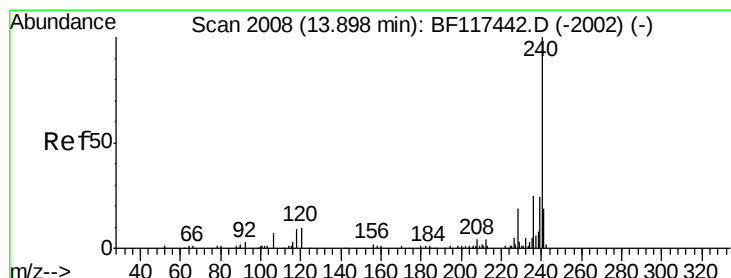
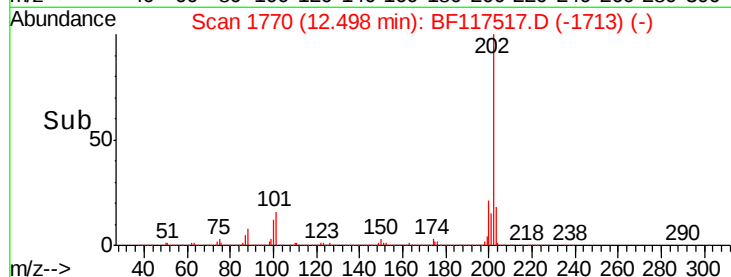
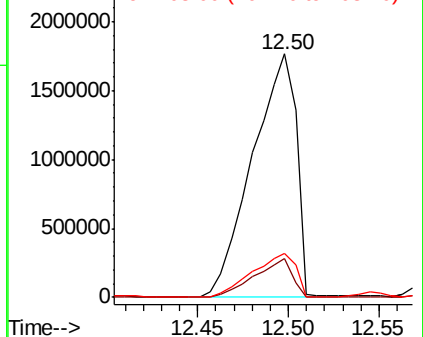
203 17.9 0.0 37.6

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM



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: 13.92 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

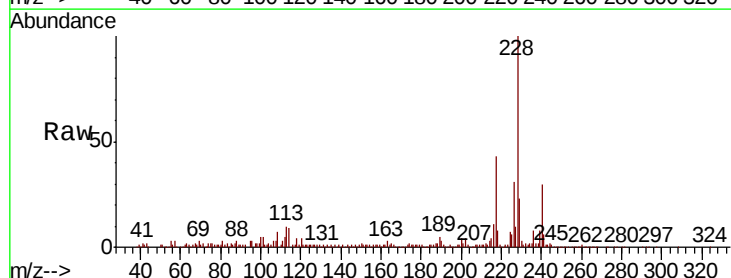
Tgt Ion:240 Resp: 80112

Ion Ratio Lower Upper

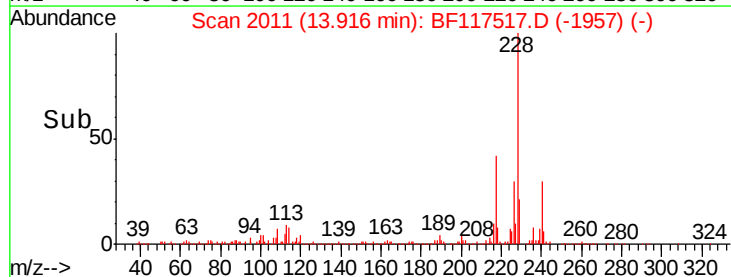
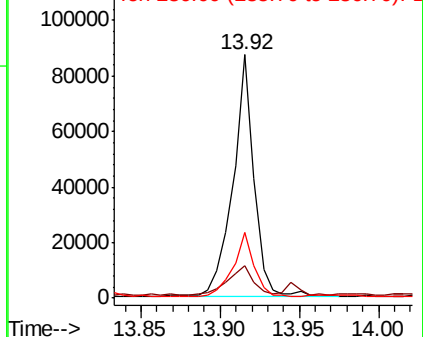
240 100

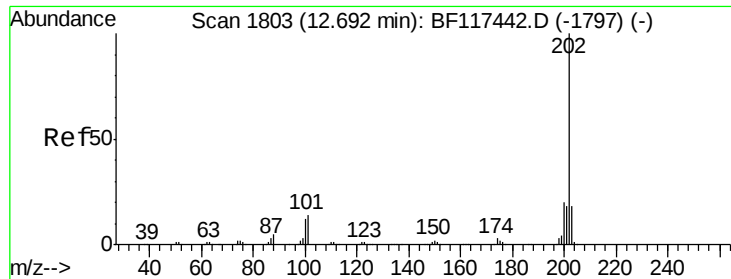
120 13.1 8.4 12.6#

236 27.0 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





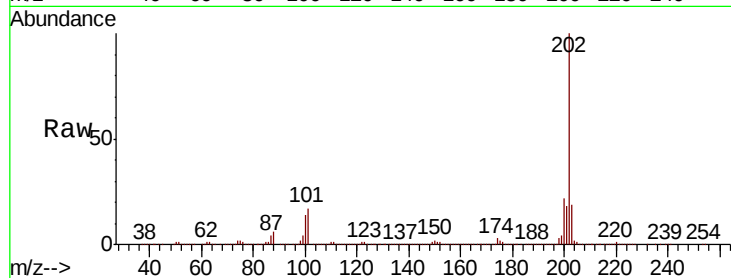
#78
Pvrene
Concen: 332.770 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.04 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.2	24.2
203	19.1	14.0	21.0

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM

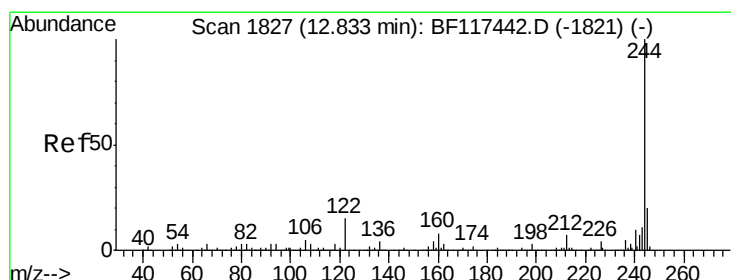
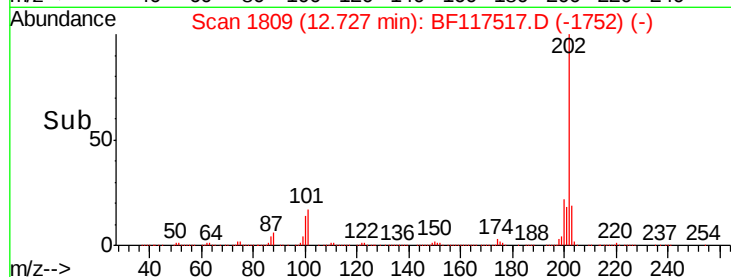
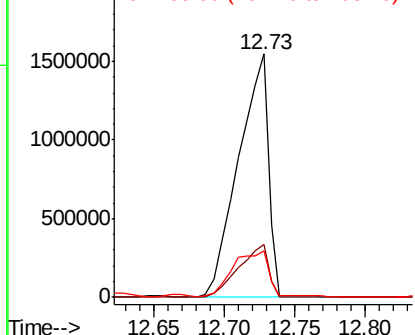


Abundance

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: 37.709 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

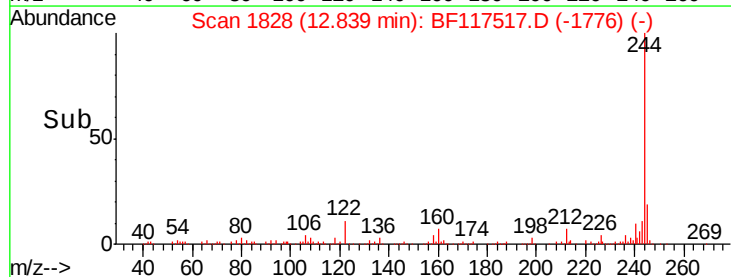
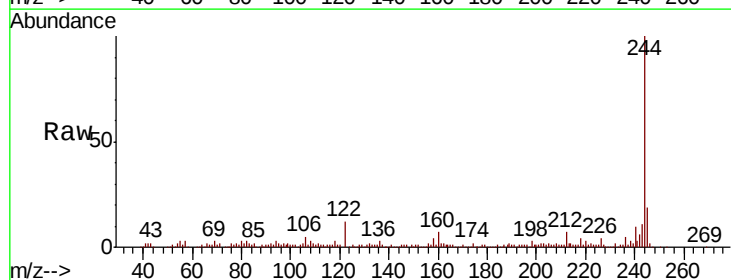
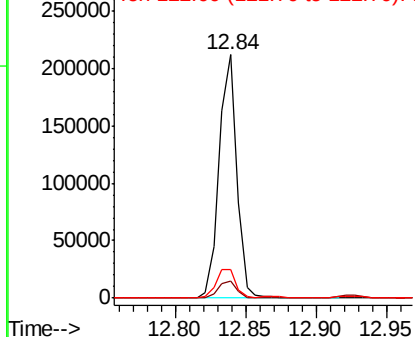
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	11.6	11.8	17.8#

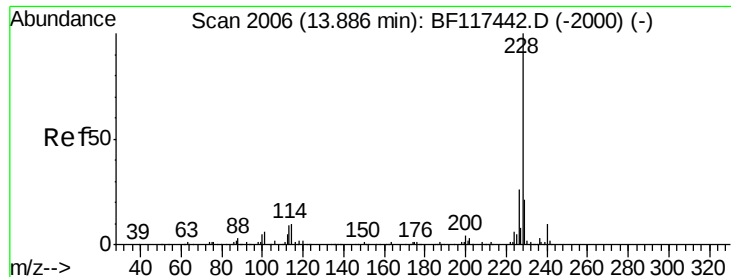
Abundance

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





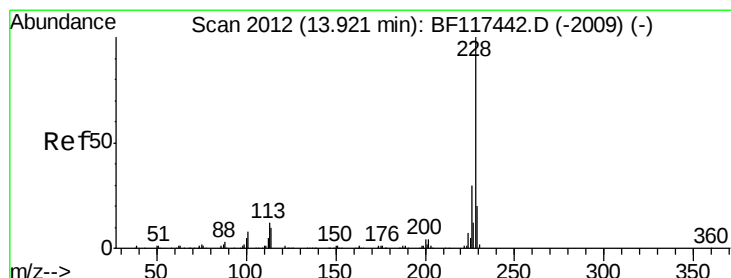
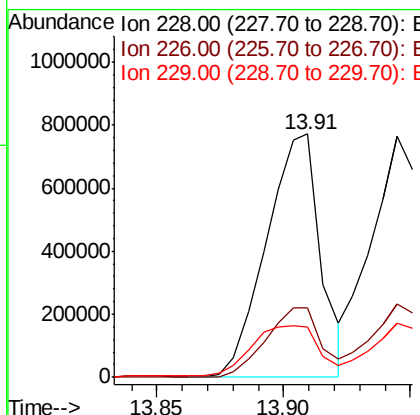
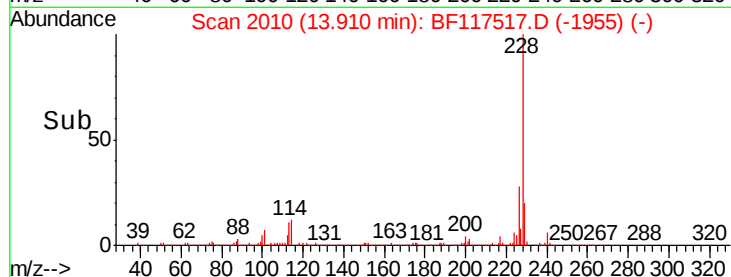
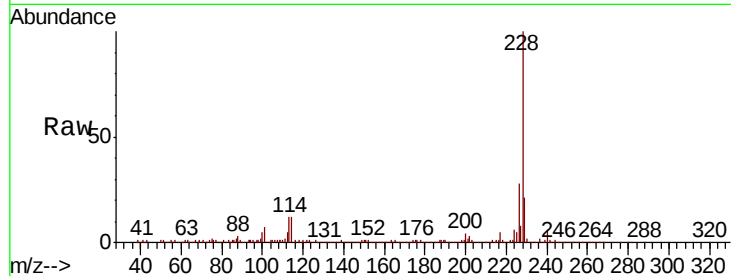
#81
Benzo(a)anthracene
Concen: 211.691 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion:228 Resp: 1143950
Ion Ratio Lower Upper
228 100
226 28.5 21.0 31.4
229 20.6 16.4 24.6

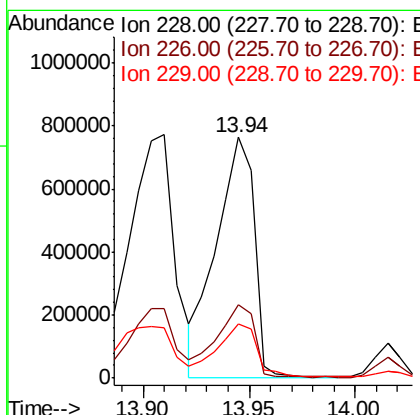
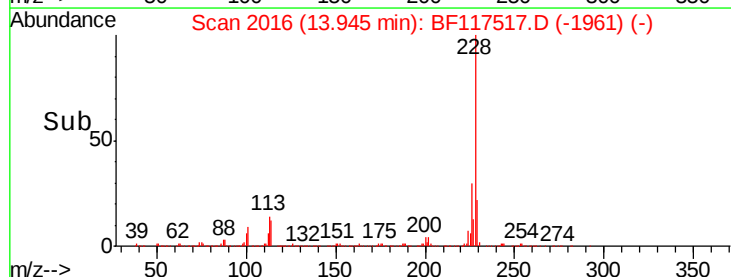
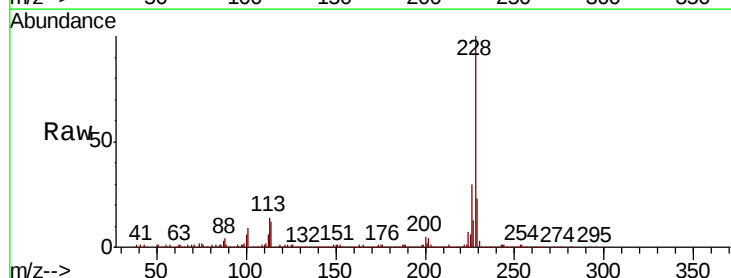
Manual Integrations
APPROVED

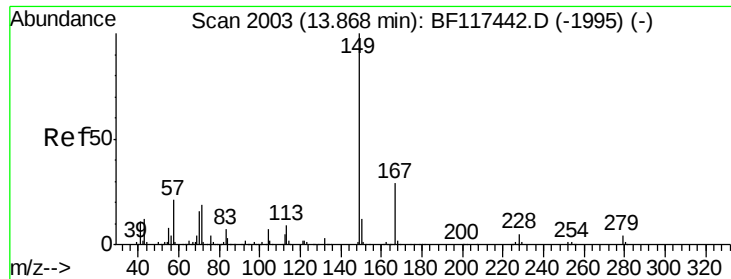
mohammad
10/26/2019 10:02:58 AM



#83
Chrysene
Concen: 178.388 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.02 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion:228 Resp: 944765
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 22.6 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.530 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

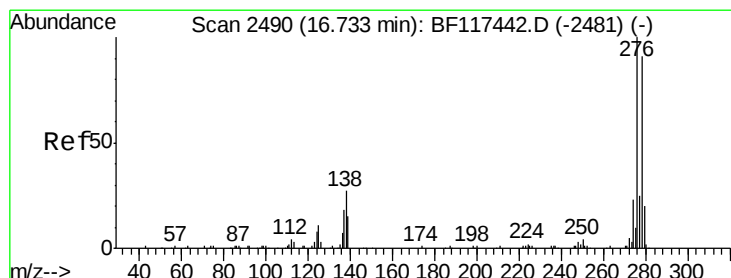
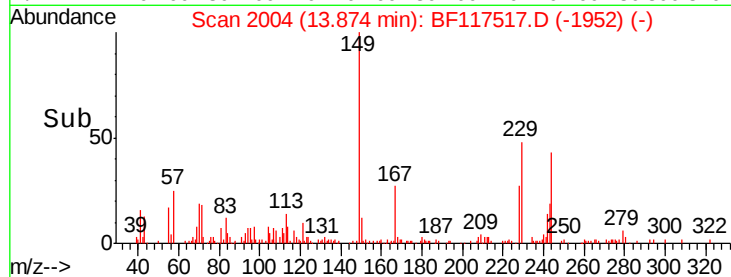
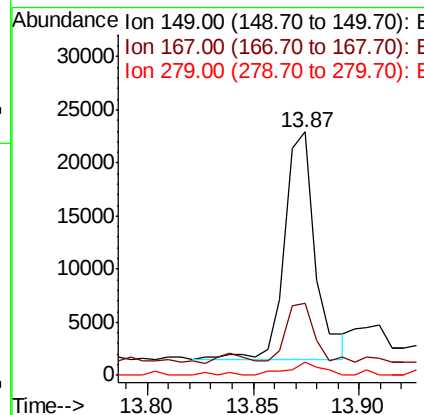
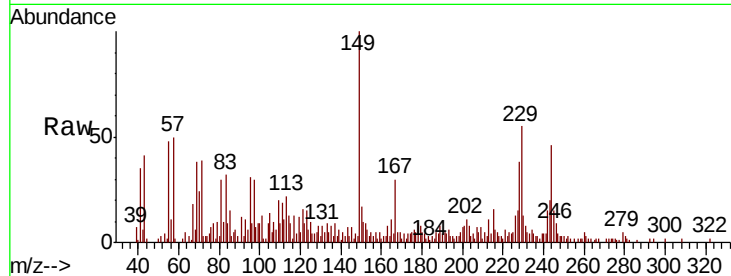
ClientSampleId :

705-81-(0-1)

Tot Ion:	149	Resp:	21731
Ion Ratio	Lower	Upper	
149	100		
167	29.8	23.3	34.9
279	5.3	3.2	4.8#

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 89.996 ng

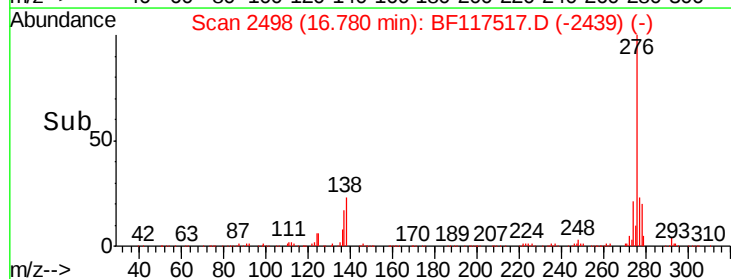
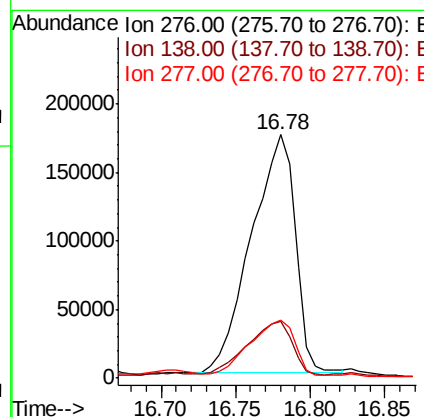
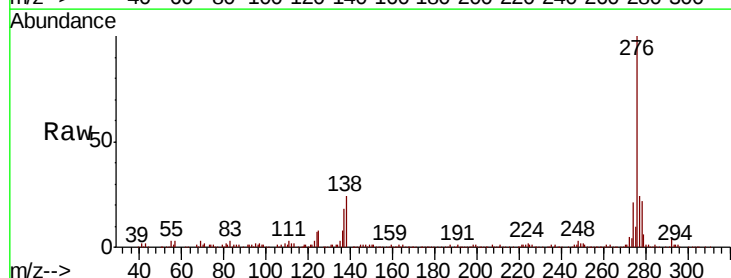
RT: 16.78 min Scan# 2498

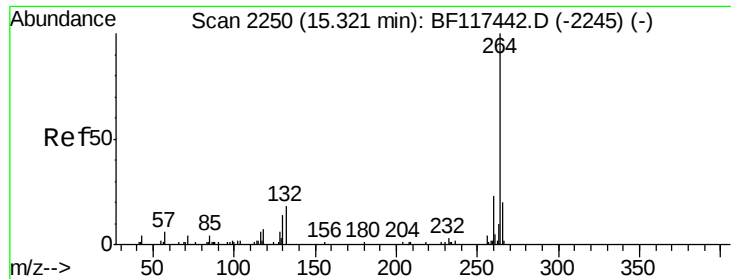
Delta R.T. 0.05 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Tgt Ion:	276	Resp:	355857
Ion Ratio	Lower	Upper	
276	100		
138	24.4	21.8	32.8
277	24.6	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.03 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

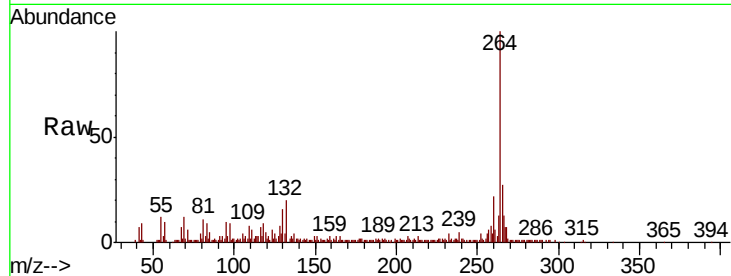
ClientSampleId :

705-81-(0-1)

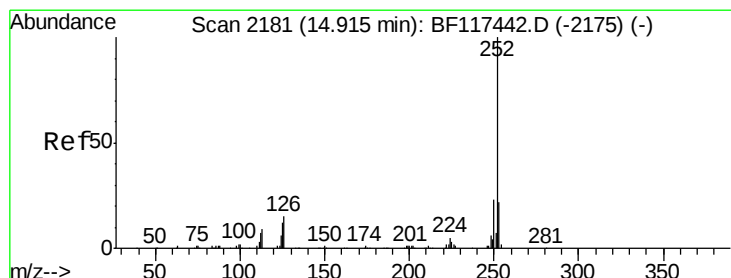
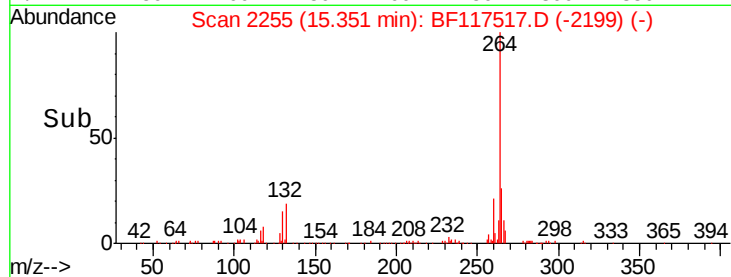
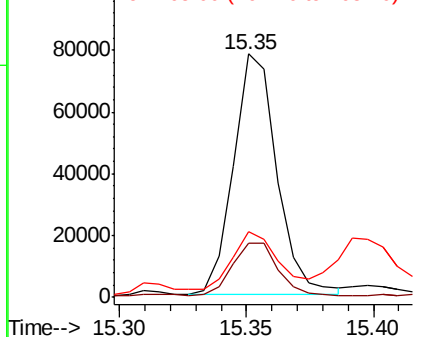
Tot Ion:	264	Resp:	92832
Ion Ratio	Lower	Upper	
264	100		
260	22.1	18.4	27.6
265	27.2	16.1	24.1#

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 224.910 ng m

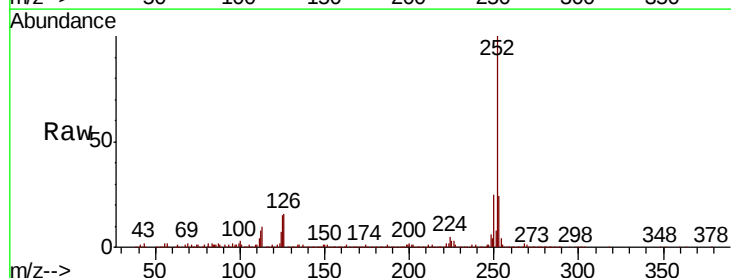
RT: 14.96 min Scan# 2188

Delta R.T. 0.04 min

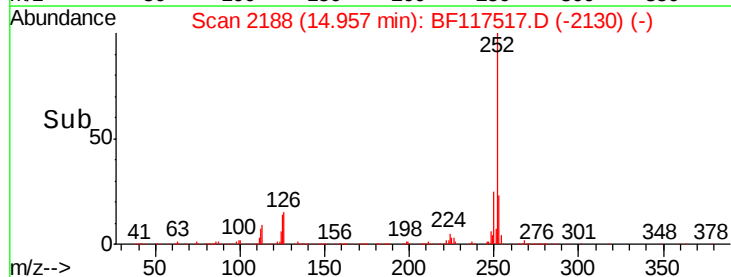
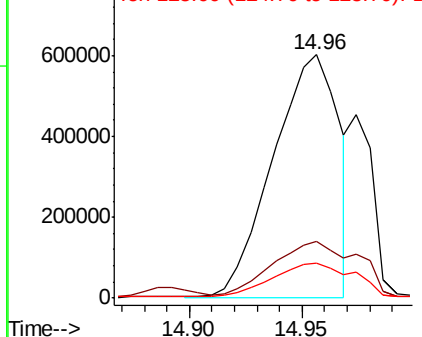
Lab File: BF117517.D

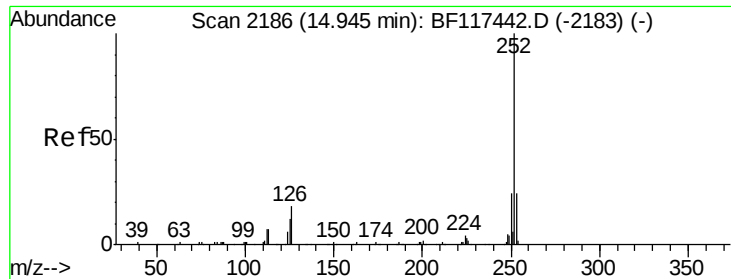
Acq: 24 Oct 2019 18:26

Tgt Ion:	252	Resp:	1232922
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	14.6	9.9	14.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 56.142 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.03 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Instrument :

BNA_F

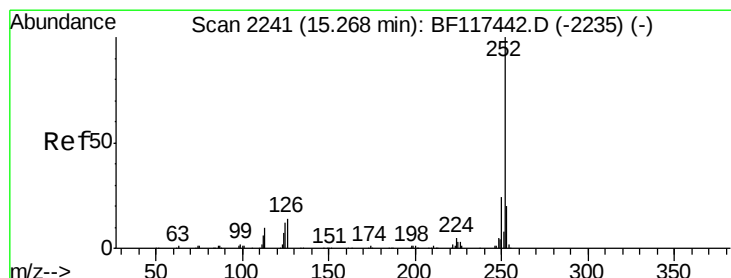
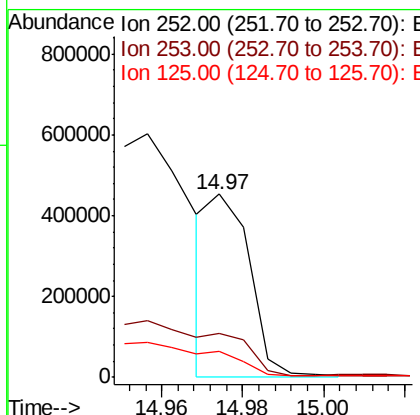
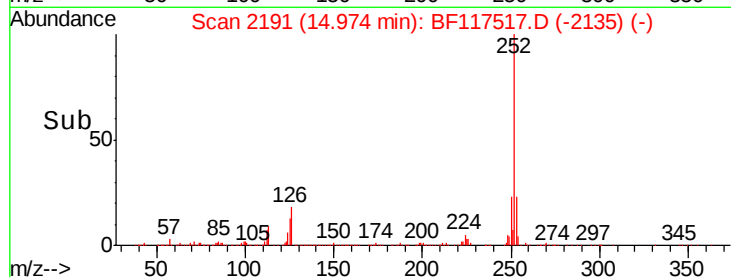
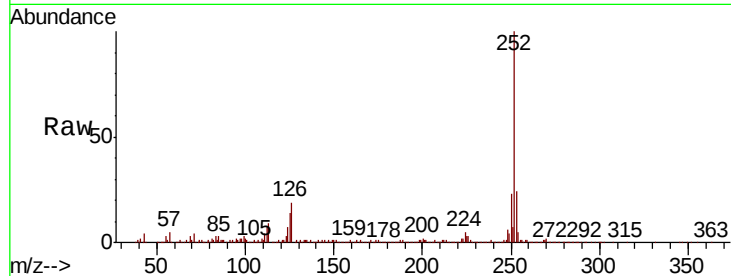
ClientSampleId :

705-81-(0-1)

Tot Ion:	252	Resp:	315435
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	14.0	8.9	13.3#

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM



#90

Benzo(a)pyrene

Concen: 166.804 ng

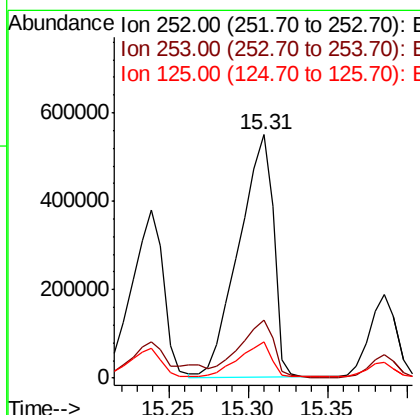
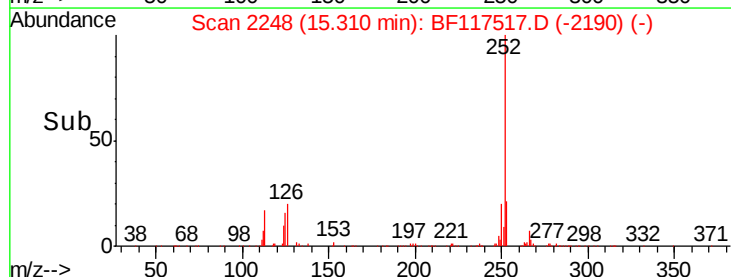
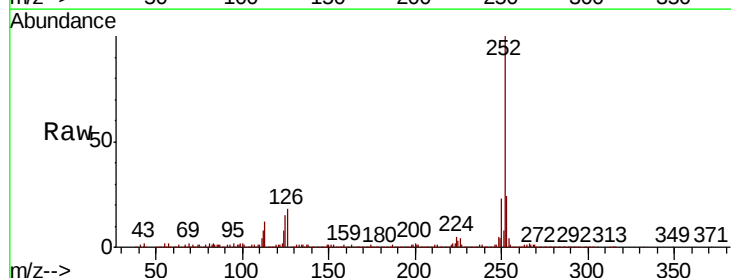
RT: 15.31 min Scan# 2248

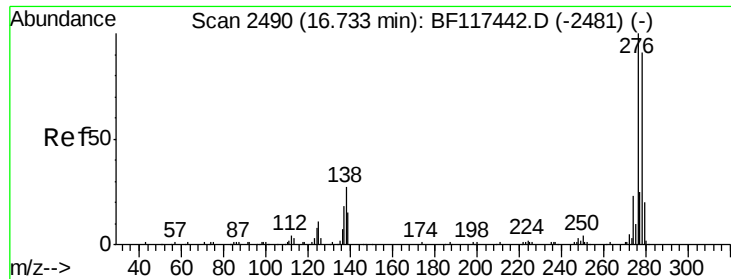
Delta R.T. 0.04 min

Lab File: BF117517.D

Acq: 24 Oct 2019 18:26

Tgt Ion:	252	Resp:	831369
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.3	24.5
125	14.7	9.2	13.8#





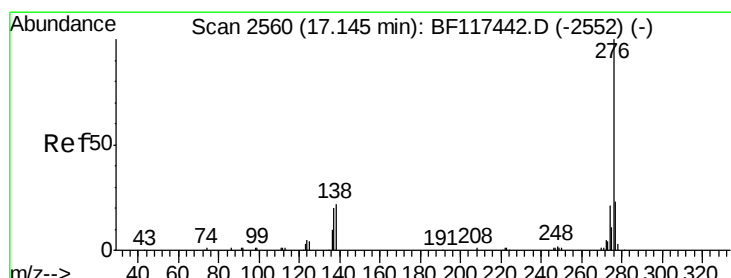
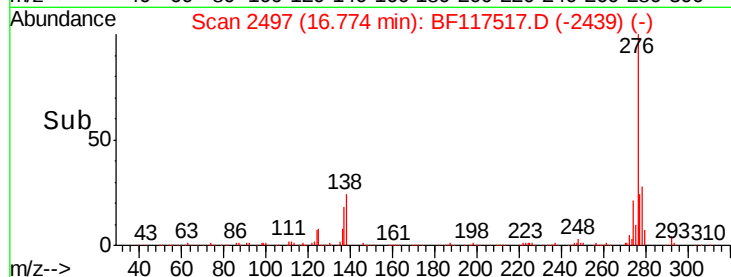
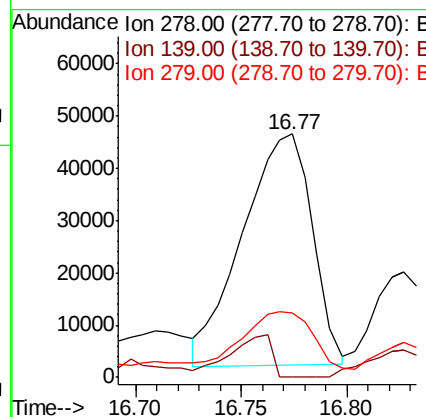
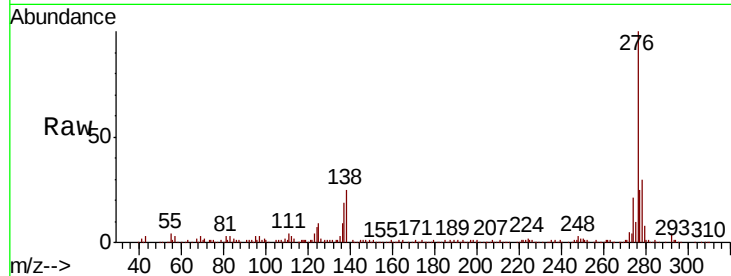
#91
Dibenzo(a,h)anthracene
Concen: 23.561 ng
RT: 16.77 min Scan# 2497
Delta R.T. 0.04 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	26.7	17.8	26.6#

Manual Integrations
APPROVED

mohammad
10/26/2019 10:02:58 AM



#92
Benzo(g,h,i)perylene
Concen: 76.553 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117517.D
Acq: 24 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.4	27.6
138	26.3	17.8	26.6

