

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117521.D
 Acq On : 24 Oct 2019 20:13
 Operator : JU
 Sample : K5499-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 195-42-(0-1)

Manual Integrations
 APPROVED

mohammad
 10/26/2019 10:03:09 AM

Quant Time: Oct 25 04:23:52 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	50197	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	209673	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	103845	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	145194	20.00	ng	0.00
76) Chrysene-d12	13.90	240	94408	20.00	ng	0.00
87) Perylene-d12	15.33	264	91473	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	116508	34.53	ng	0.00
7) Phenol-d6	6.39	99	159233	35.14	ng	0.00
23) Nitrobenzene-d5	7.30	82	97431	22.94	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	25747	28.65	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	150365	20.40	ng	0.00
79) Terphenyl-d14	12.83	244	96101	16.60	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	26667	3.602	ng	Qvalue # 97
71) Phenanthrene	11.27	178	57480	6.818	ng	99
75) Fluoranthene	12.47	202	105806	12.536	ng	98
78) Pyrene	12.69	202	87465	10.786	ng	98
80) Butylbenzylphthalate	13.30	149	10777	2.671	ng	96
81) Benzo(a)anthracene	13.89	228	39376	6.183	ng	97
83) Chrysene	13.92	228	43616	6.988	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	59336	10.497	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.74	276	18635	3.999	ng	96
88) Benzo(b)fluoranthene	14.92	252	56677m	10.493	ng	
89) Benzo(k)fluoranthene	14.94	252	18120m	3.273	ng	
90) Benzo(a)pyrene	15.27	252	34014	6.926	ng	# 93
92) Benzo(a,h,i)perylene	17.17	276	16812	4.184	ng	# 89

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

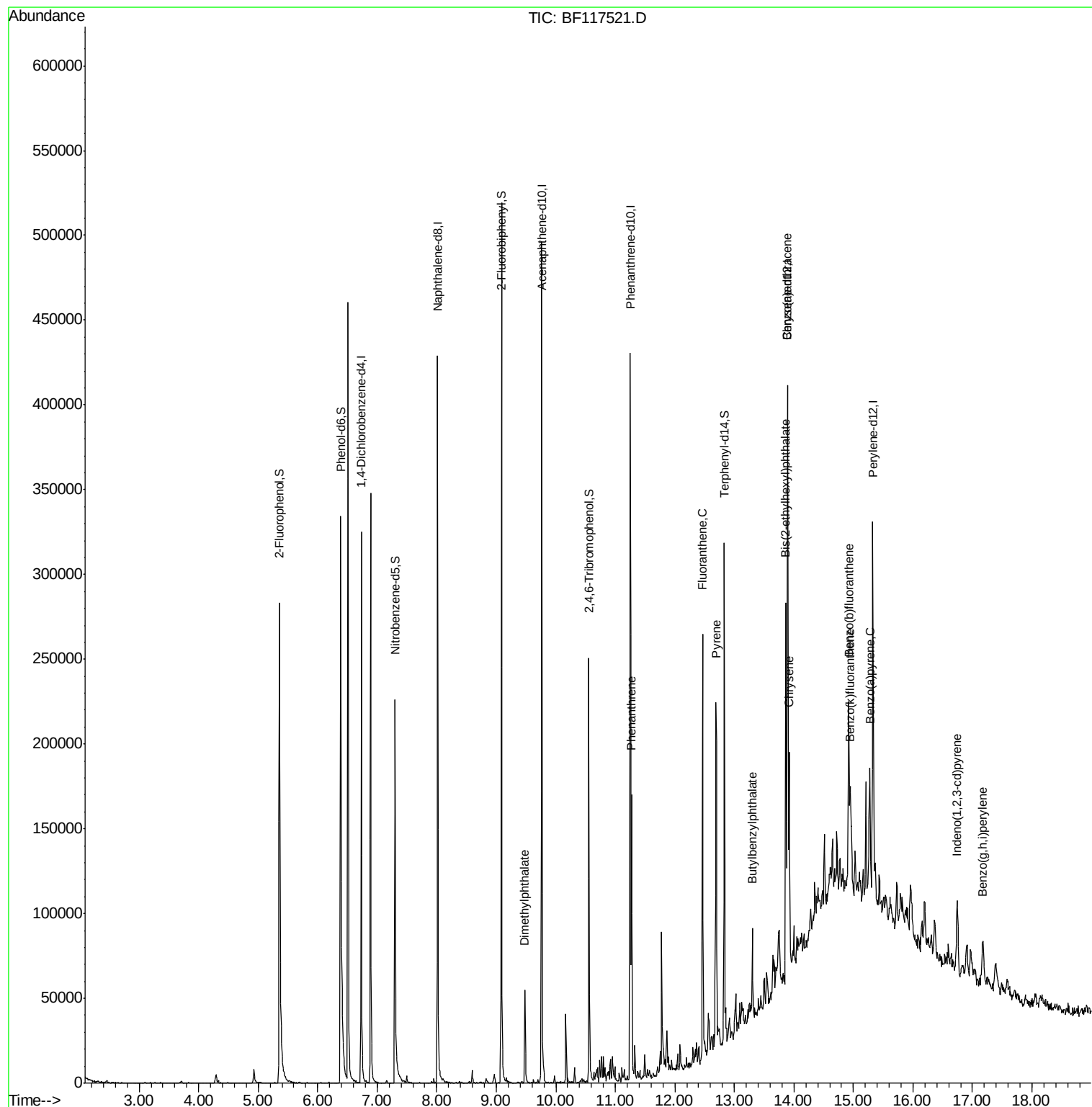
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

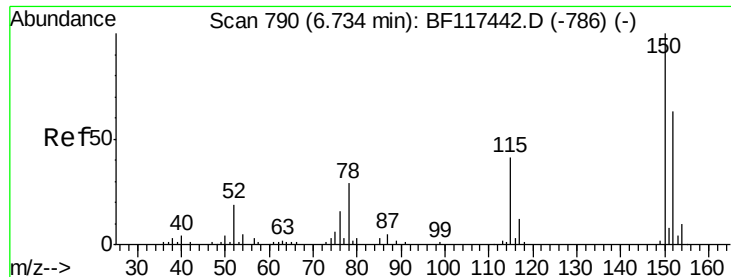
Instrument :
BNA_F
ClientSampleId :
195-42-(0-1)

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM

Quant Time: Oct 25 04:23:52 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

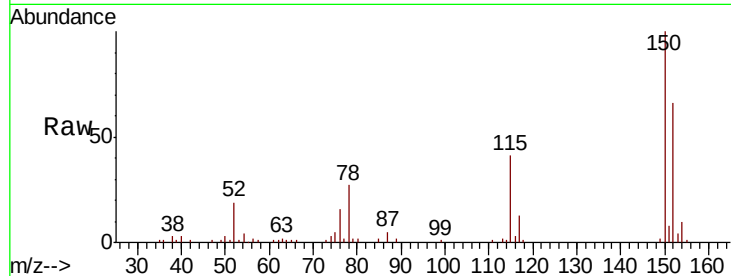
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
195-42-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.8	190.2
115	62.5	51.6	77.4

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM

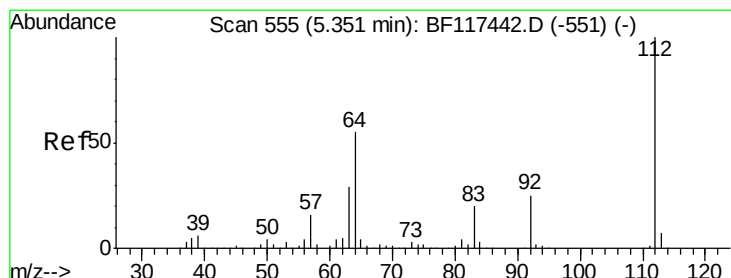
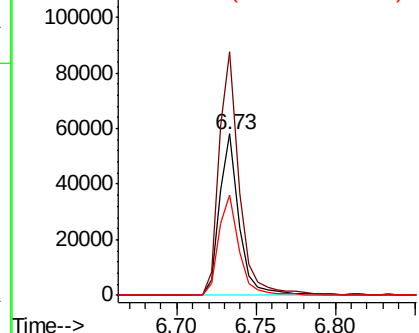
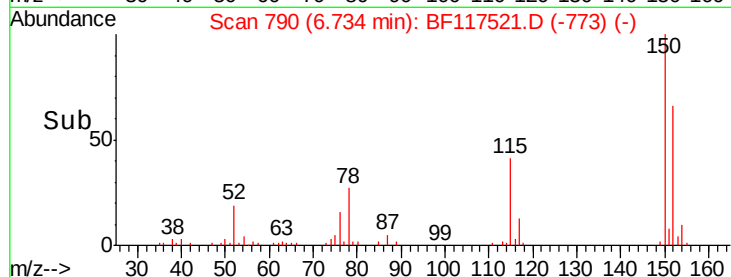


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

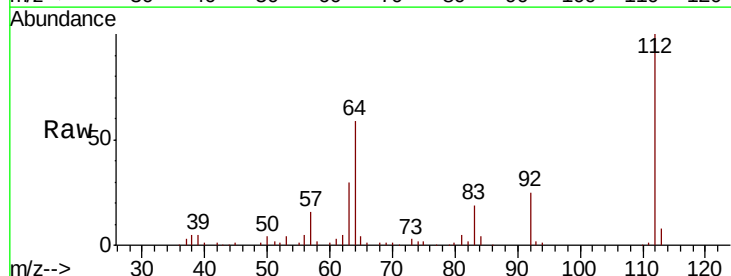
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 34.530 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	44.1	66.1
63	29.6	23.4	35.2

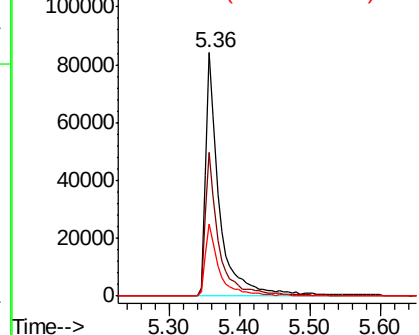
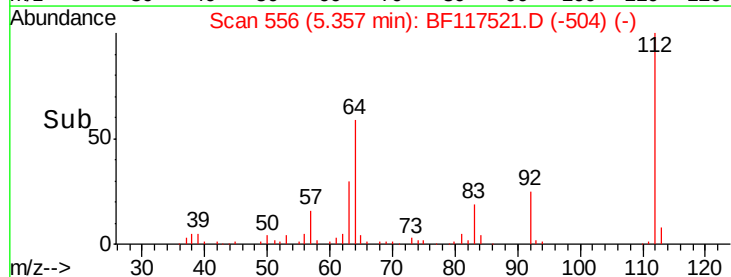


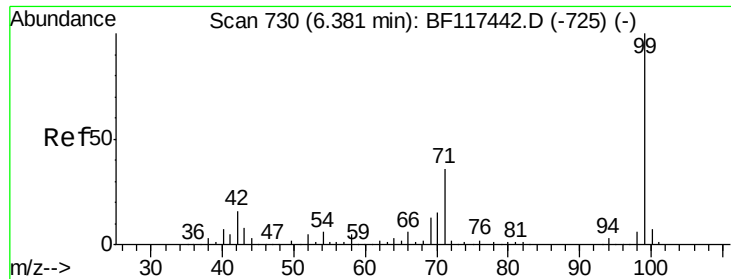
Abundance

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: 35.137 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_F

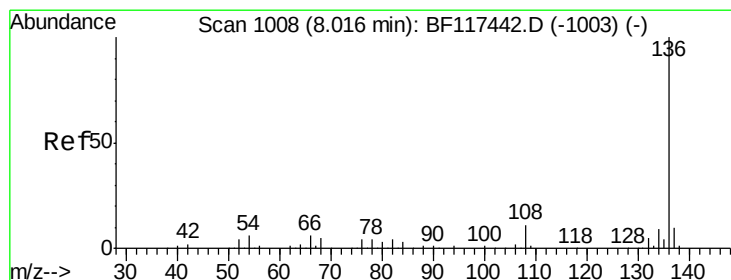
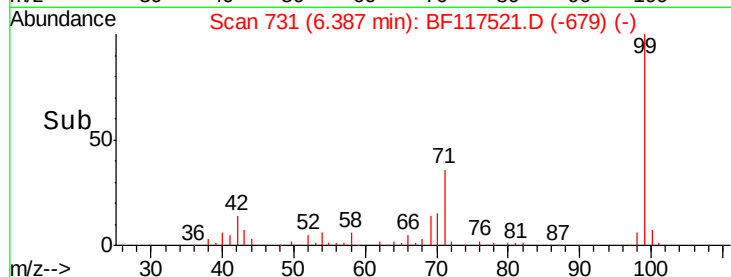
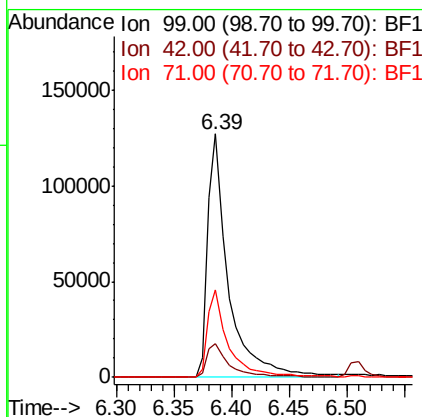
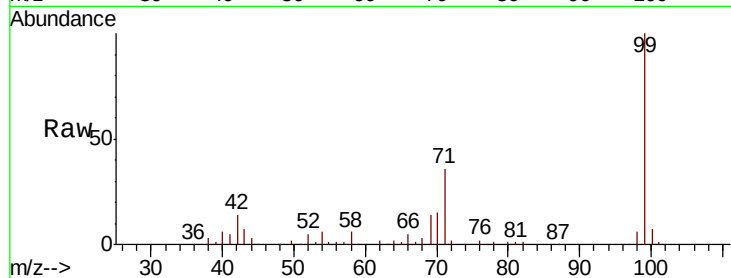
ClientSampleId :

195-42-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		159233		
42	13.8	12.8	19.2		
71	36.1	28.6	43.0		

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM



#21

Naphthalene-d8

Concen: 20.000 ng

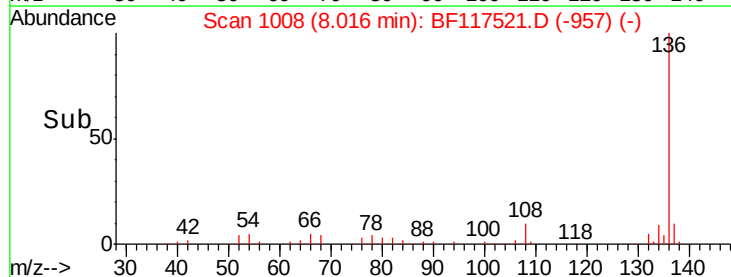
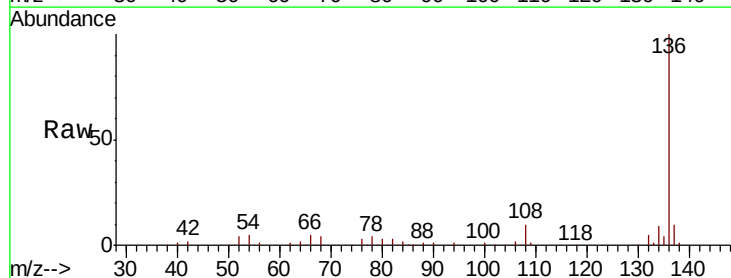
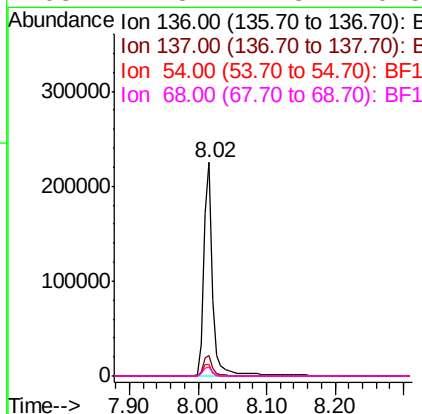
RT: 8.02 min Scan# 1008

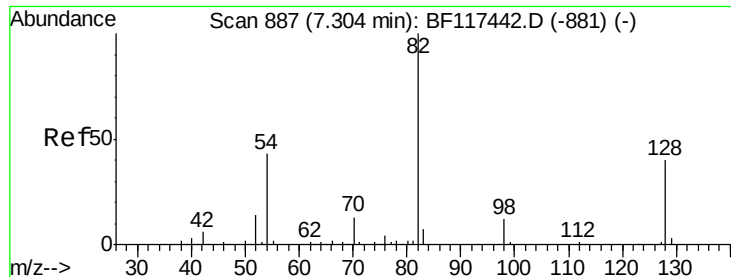
Delta R.T. -0.00 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		209673		
137	9.8	8.2	12.4		
54	5.5	4.5	6.7		
68	4.3	4.3	6.5		





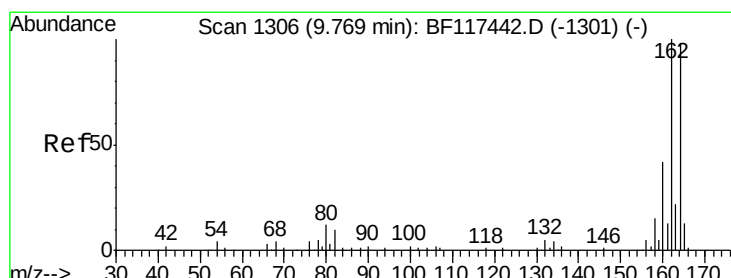
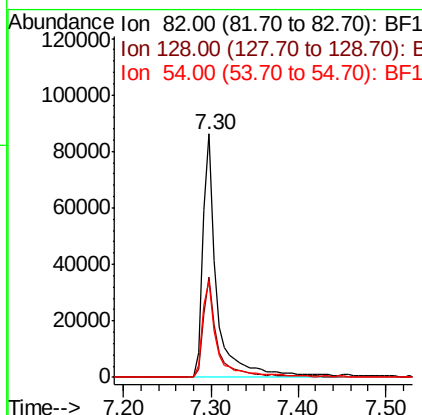
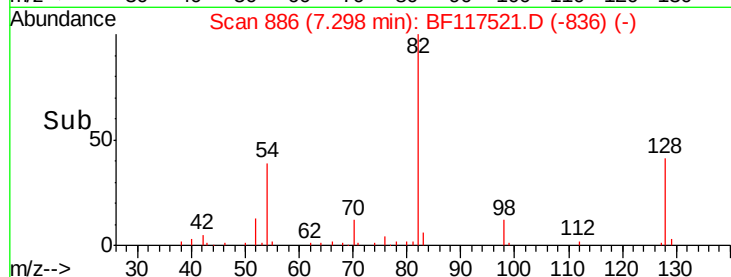
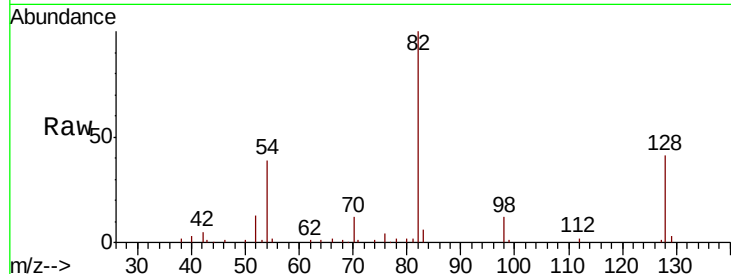
#23
 Nitrobenzene-d5
 Concen: 22.940 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117521.D
 Acq: 24 Oct 2019 20:13

Instrument :
 BNA_F
 ClientSampleId :
 195-42-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.2	48.2
54	39.4	34.2	51.2

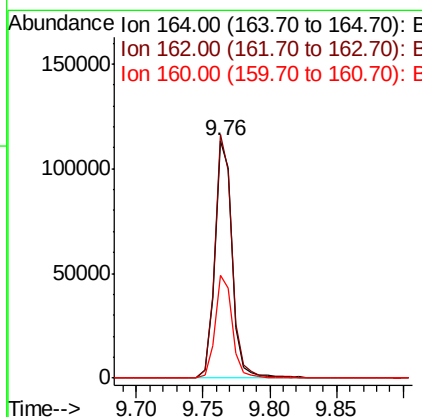
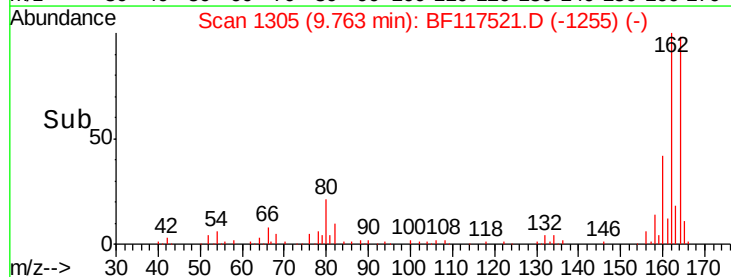
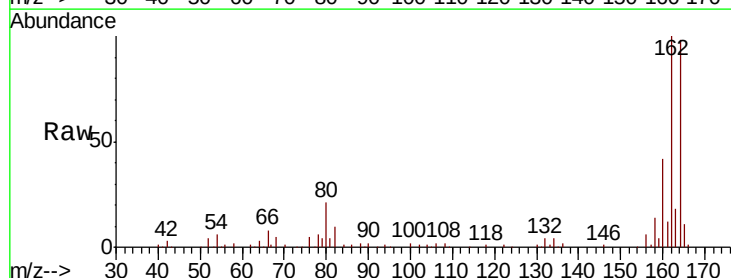
Manual Integrations
 APPROVED

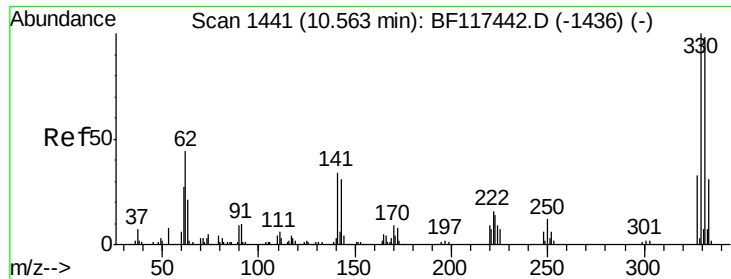
mohammad
 10/26/2019 10:03:09 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117521.D
 Acq: 24 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.6
160	43.4	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 28.655 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_F

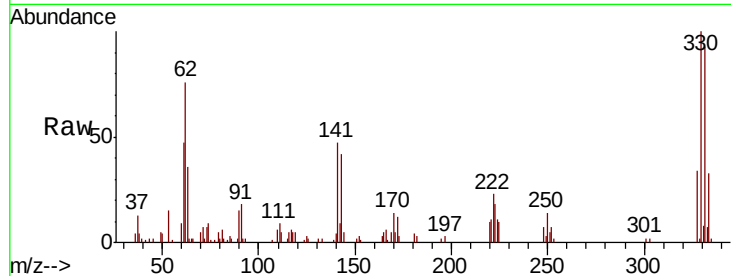
ClientSampleId :

195-42-(0-1)

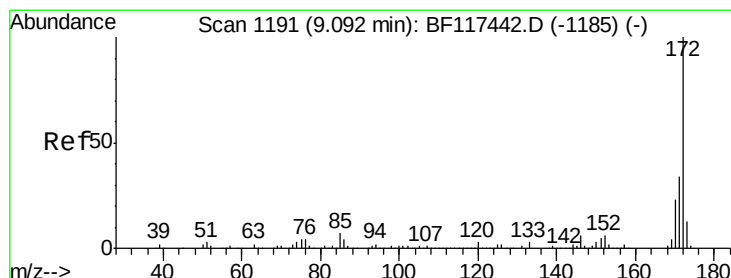
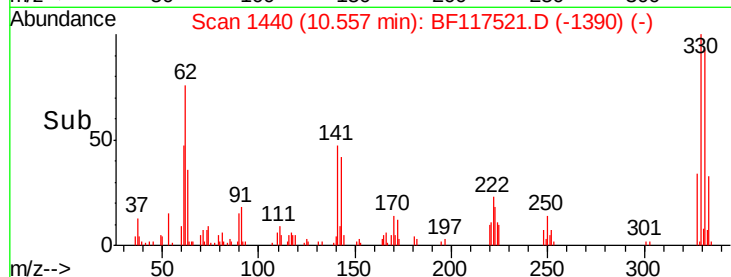
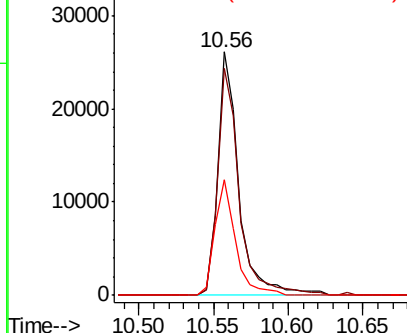
Tot Ion:	330	Resp:	25747
Ion Ratio	Lower	Upper	
330	100		
332	96.3	78.5	117.7
141	46.1	37.0	55.6

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 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: 20.402 ng

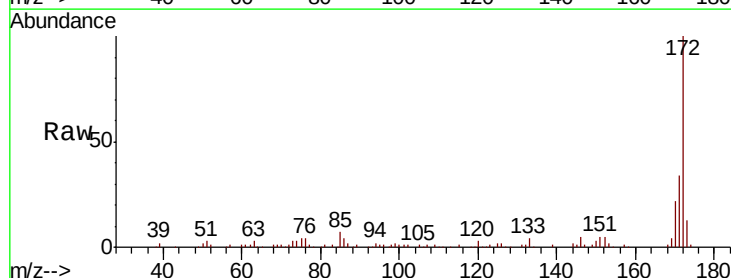
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

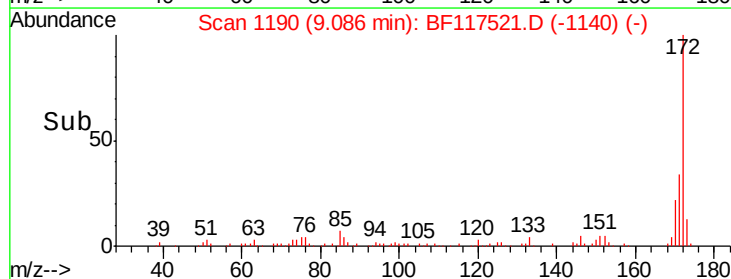
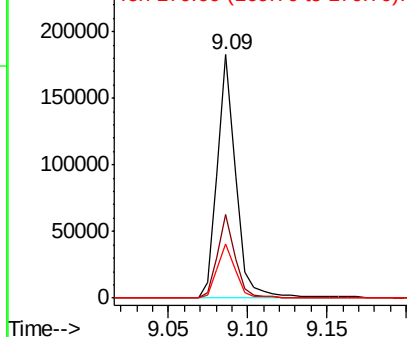
Lab File: BF117521.D

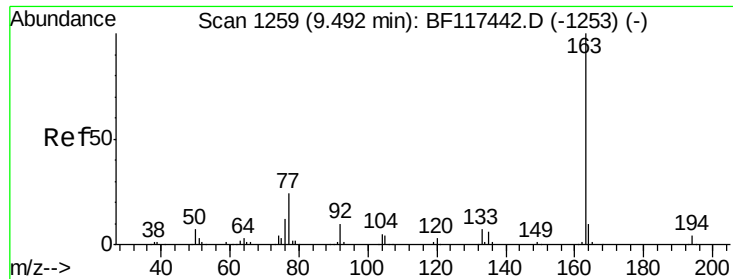
Acq: 24 Oct 2019 20:13

Tgt Ion:	172	Resp:	150365
Ion Ratio	Lower	Upper	
172	100		
171	34.5	27.5	41.3
170	22.0	18.6	27.8



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





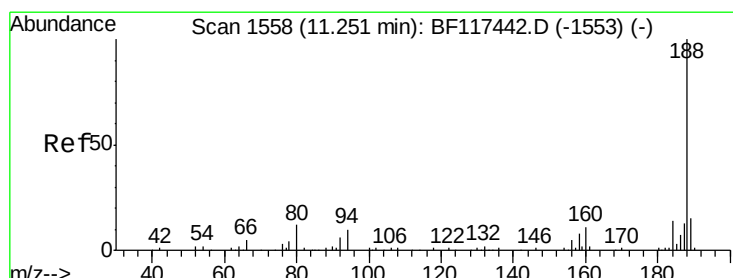
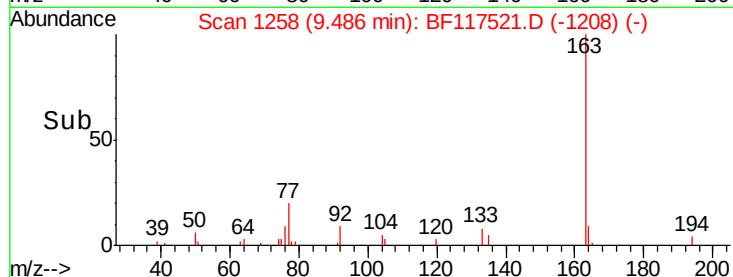
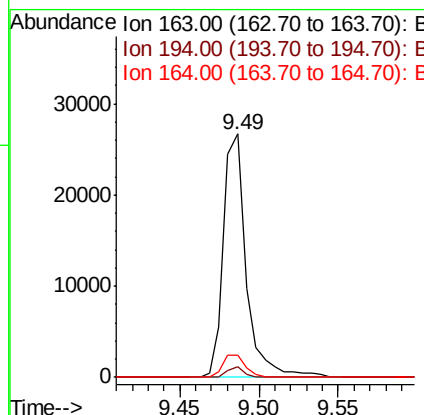
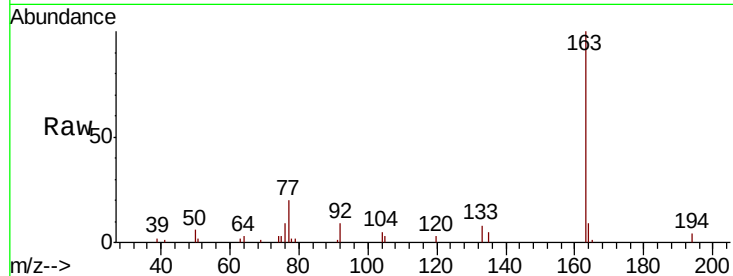
#50
Dimethylphthalate
Concen: 3.602 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
195-42-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	26667		
194	4.3		2.9	4.3#
164	9.2		8.2	12.2

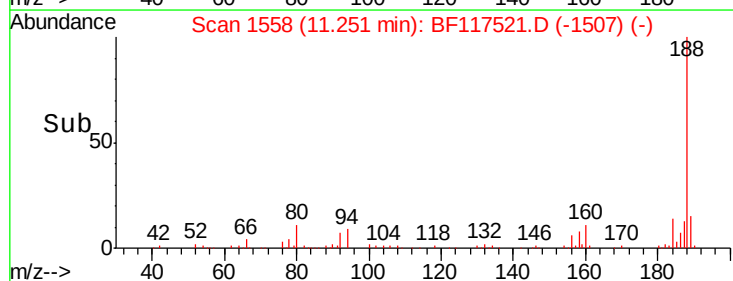
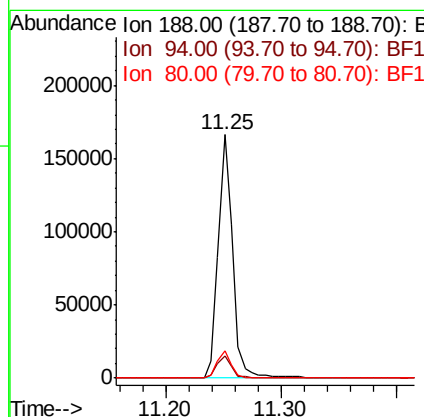
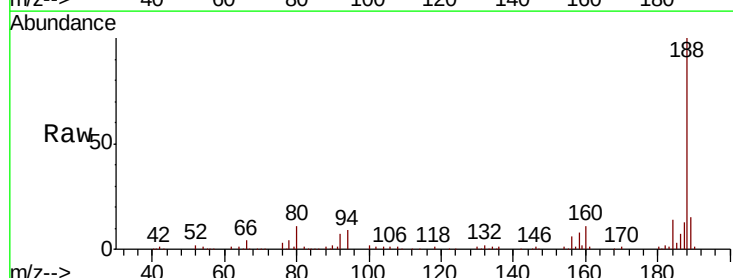
Manual Integrations
APPROVED

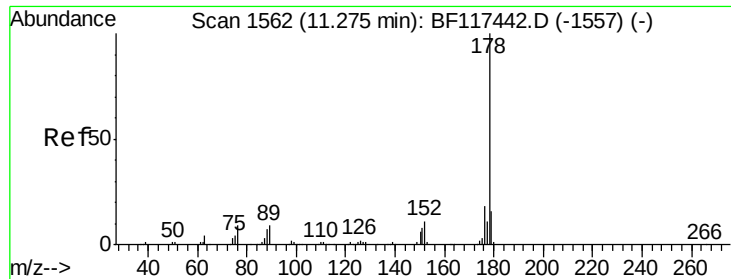
mohammad
10/26/2019 10:03:09 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	145194		
94	9.2		8.0	12.0
80	11.4		9.5	14.3





#71

Phenanthrene

Concen: 6.818 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_F

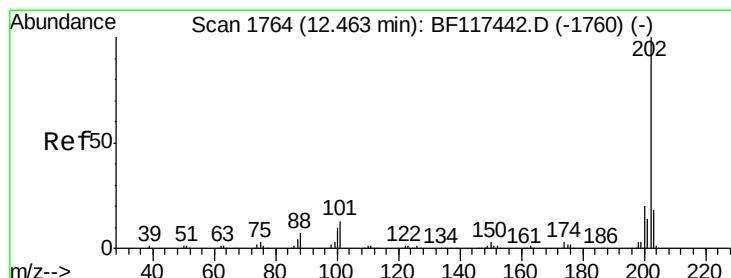
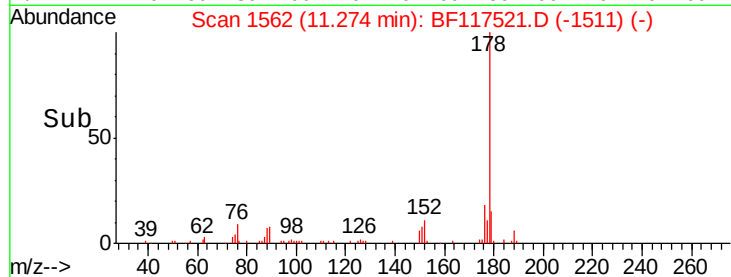
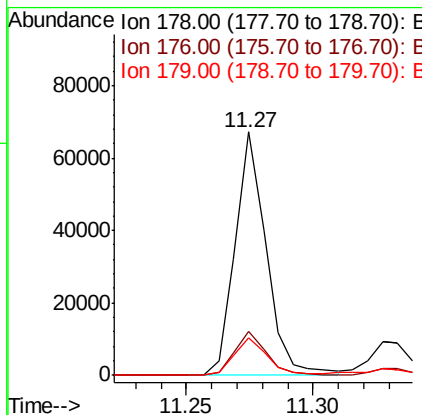
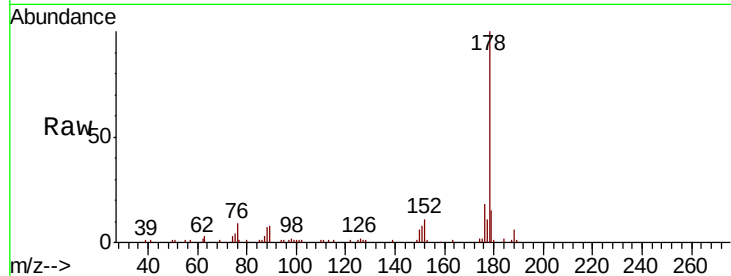
ClientSampleId :

195-42-(0-1)

Tot Ion:	178	Resp:	57480
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.2	12.6	19.0

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM



#75

Fluoranthene

Concen: 12.536 ng

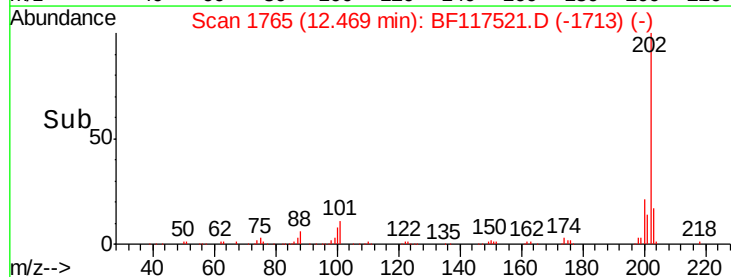
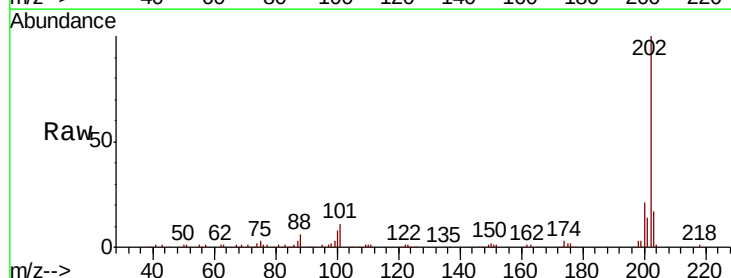
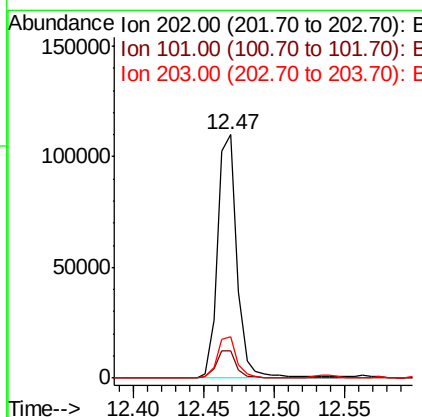
RT: 12.47 min Scan# 1765

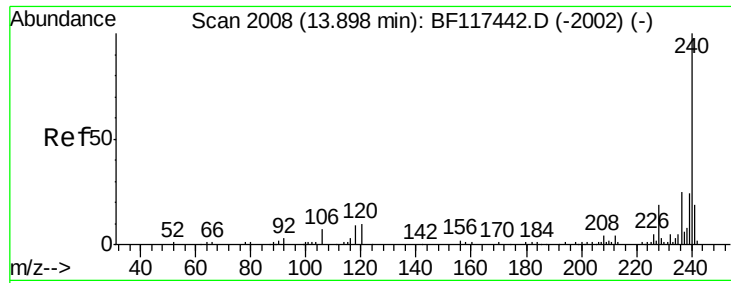
Delta R.T. 0.01 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Tgt Ion:	202	Resp:	105806
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.7
203	17.2	0.0	37.6





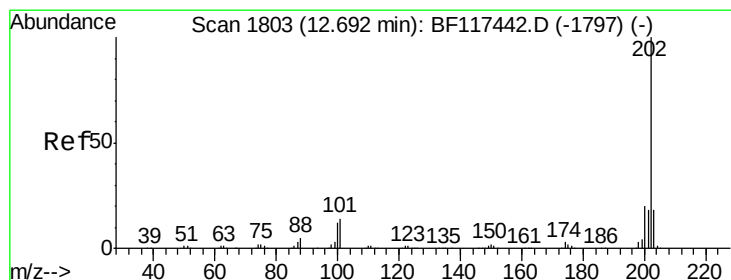
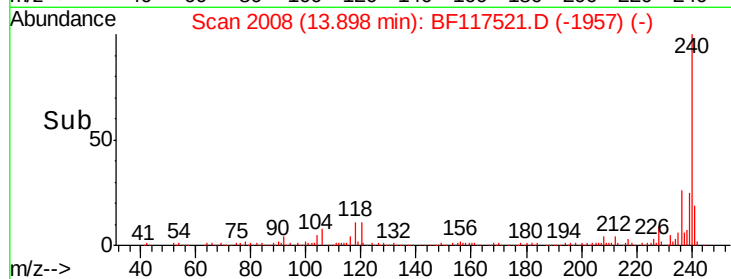
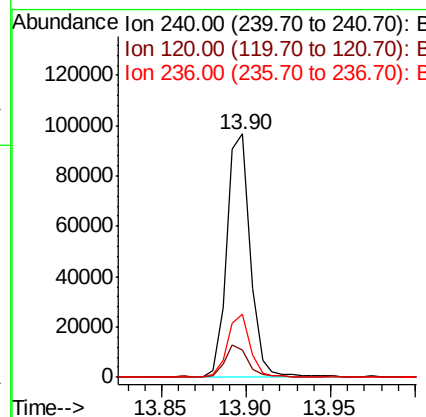
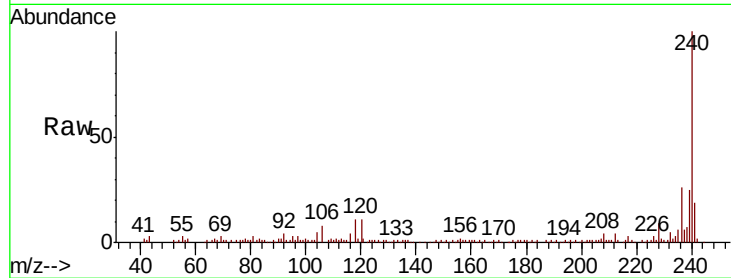
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
195-42-(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	25.7	20.0	30.0

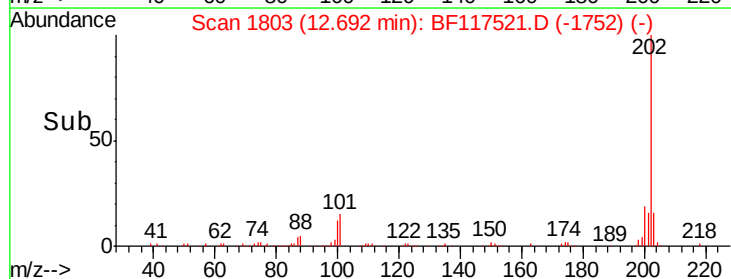
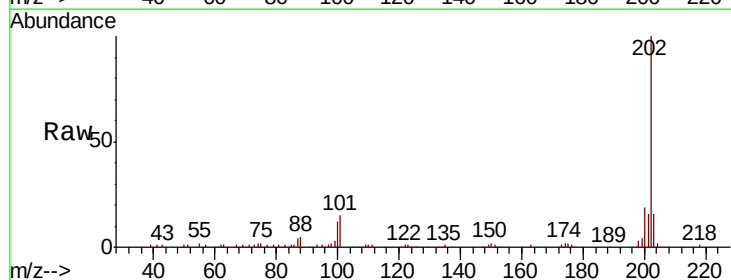
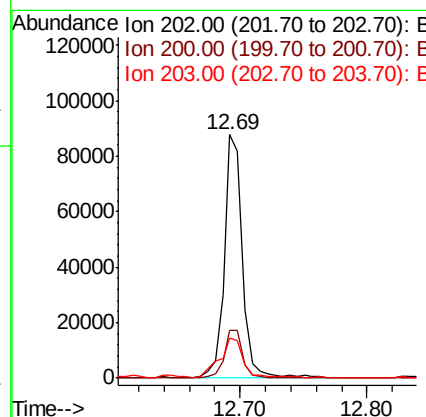
Manual Integrations
APPROVED

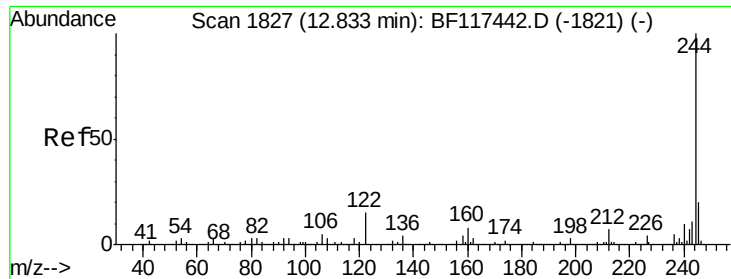
mohammad
10/26/2019 10:03:09 AM



#78
Pyrene
Concen: 10.786 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.2	24.2
203	16.2	14.0	21.0





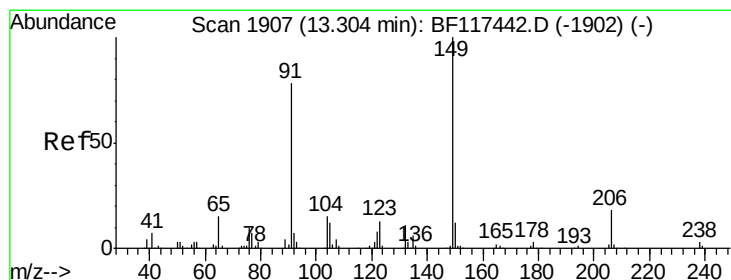
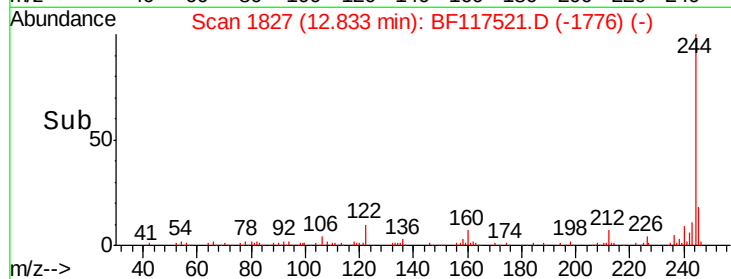
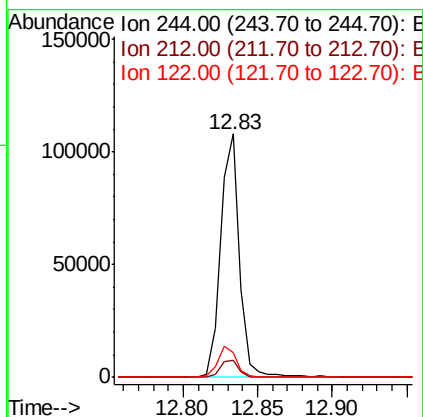
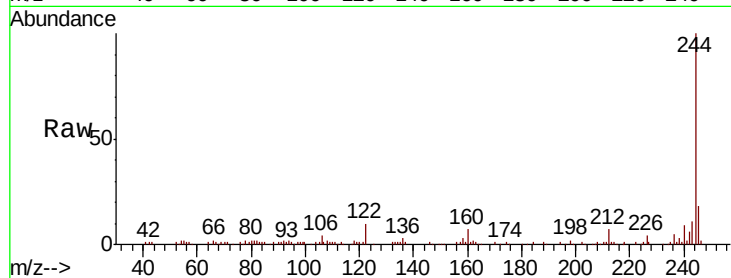
#79
 Terphenyl-d14
 Concen: 16.604 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117521.D
 Acq: 24 Oct 2019 20:13

Instrument :
 BNA_F
 ClientSampleId :
 195-42-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	10.0	11.8	17.8

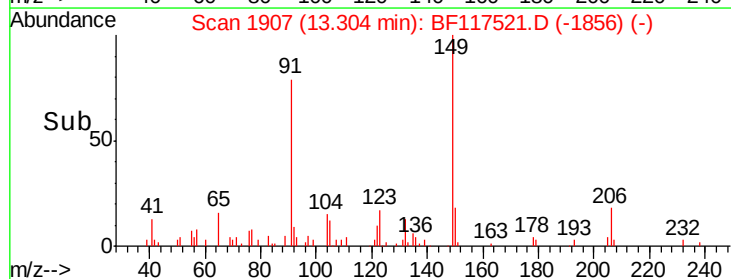
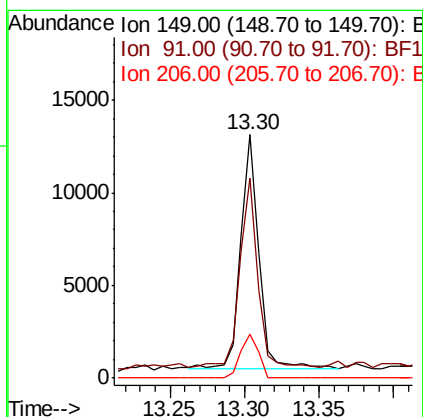
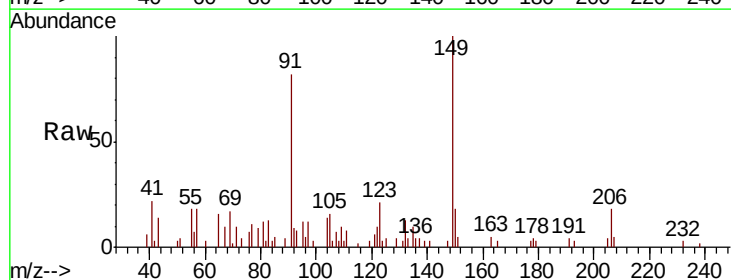
Manual Integrations
 APPROVED

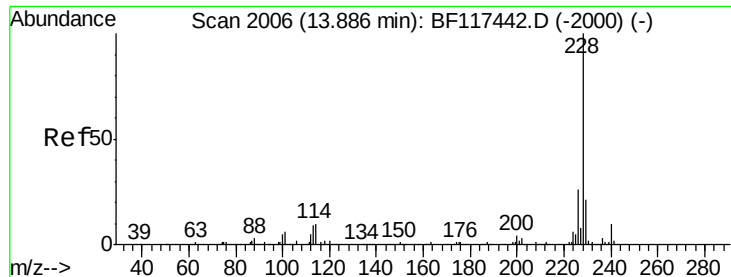
mohammad
 10/26/2019 10:03:09 AM



#80
 Butylbenzylphthalate
 Concen: 2.671 ng
 RT: 13.30 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: BF117521.D
 Acq: 24 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
149	100		
91	82.2	62.1	93.1
206	17.9	14.3	21.5





#81

Benzo(a)anthracene

Concen: 6.183 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_F

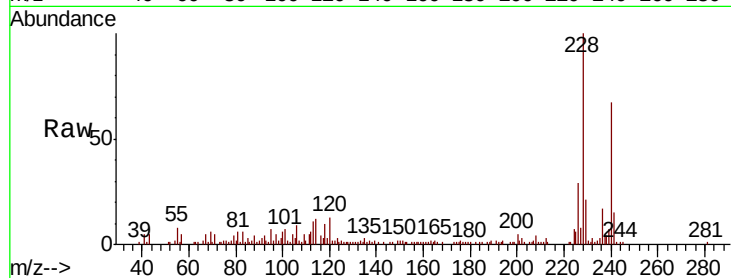
ClientSampleId :

195-42-(0-1)

Tot Ion:228	Resp:	39376
Ion Ratio	Lower	Upper
228 100		
226 28.6	21.0	31.4
229 21.1	16.4	24.6

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM

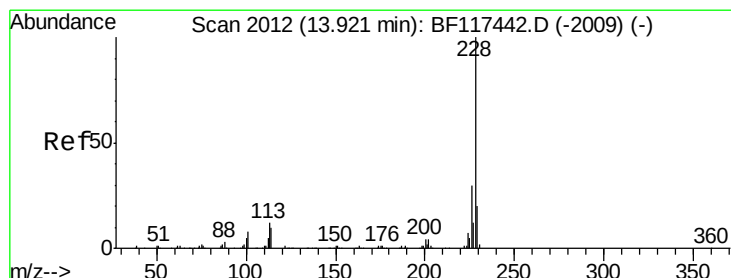
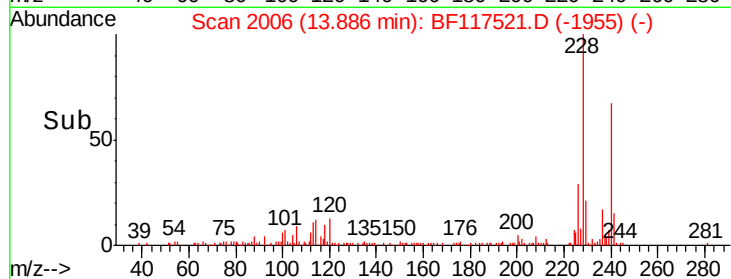
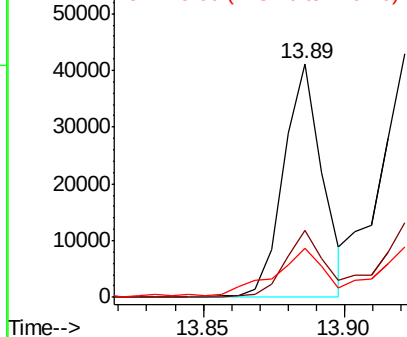


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.988 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

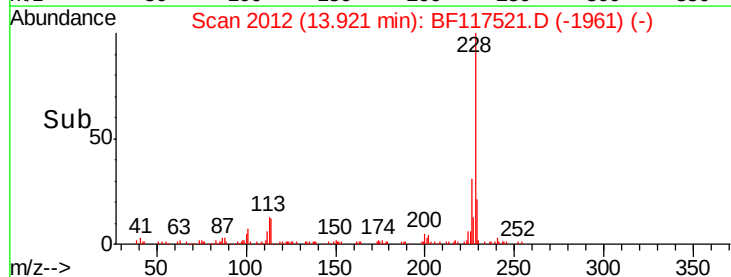
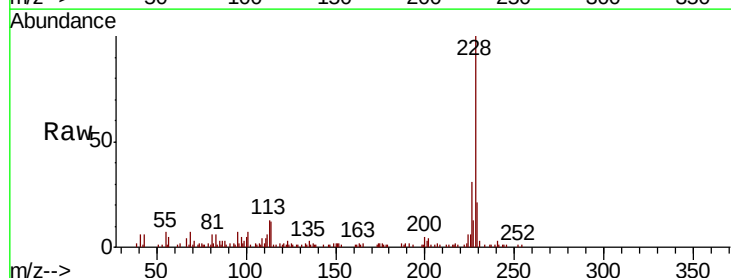
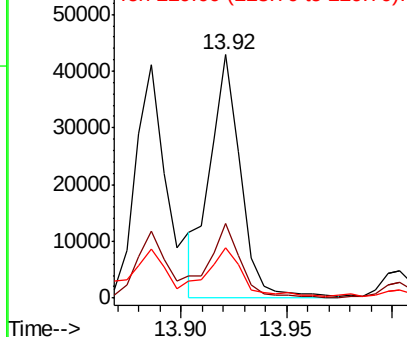
Tgt Ion:228	Resp:	43616
Ion Ratio	Lower	Upper
228 100		
226 30.9	23.9	35.9
229 20.7	15.8	23.6

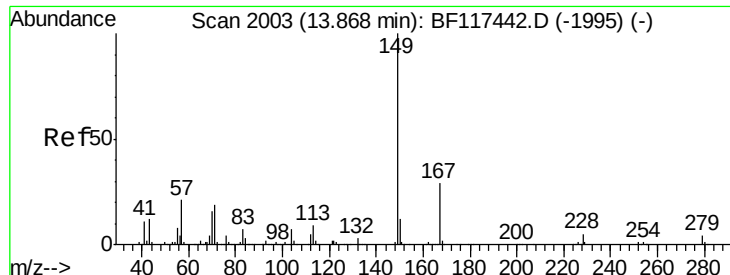
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.497 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_F

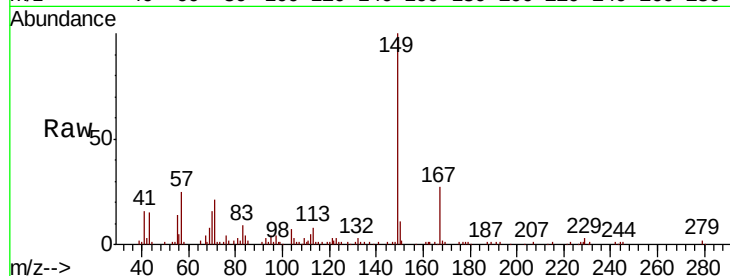
ClientSampleId :

195-42-(0-1)

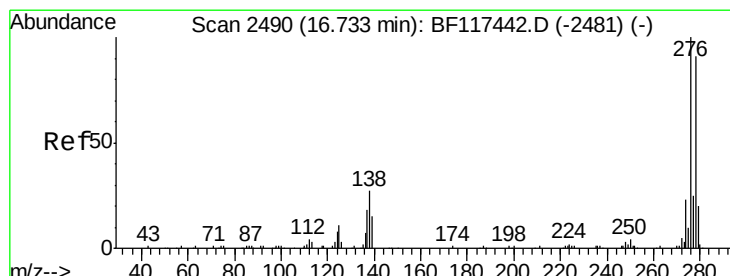
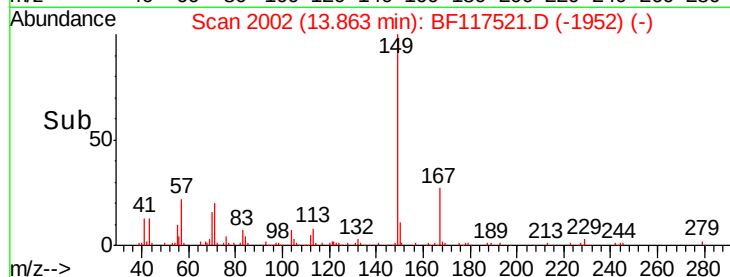
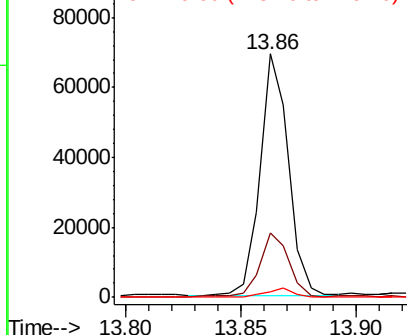
Tot Ion:	149	Resp:	59336
Ion Ratio	Lower	Upper	
149	100		
167	26.5	23.3	34.9
279	2.4	3.2	4.8#

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.999 ng

RT: 16.74 min Scan# 2492

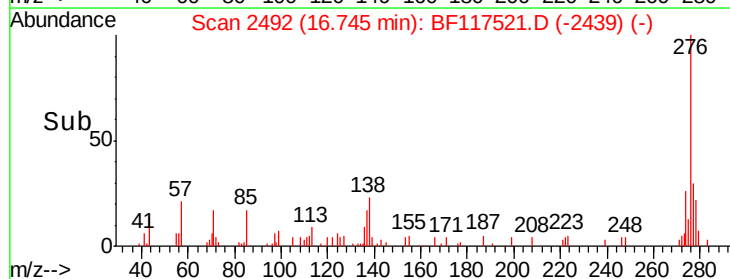
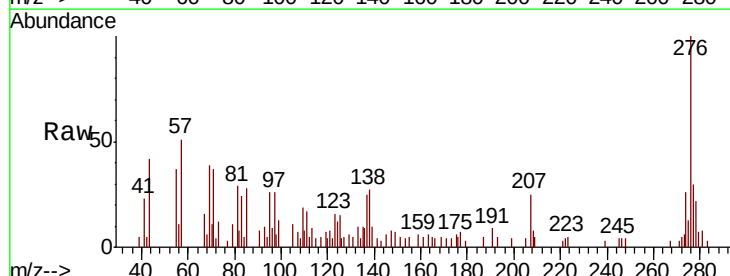
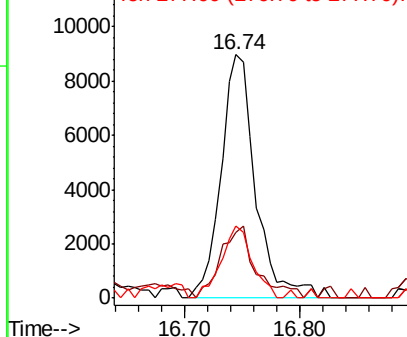
Delta R.T. 0.01 min

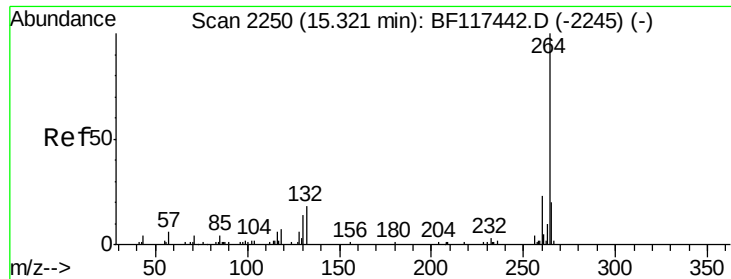
Lab File: BF117521.D

Acq: 24 Oct 2019 20:13

Tgt Ion:	276	Resp:	18635
Ion Ratio	Lower	Upper	
276	100		
138	30.0	21.8	32.8
277	26.6	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





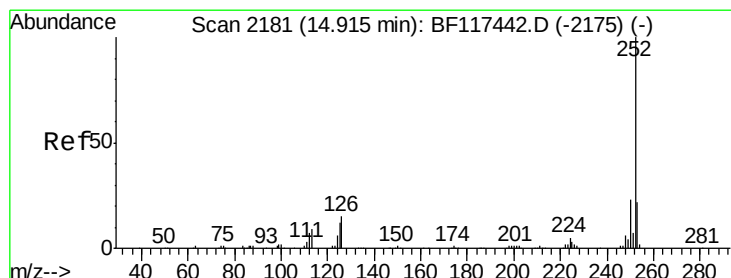
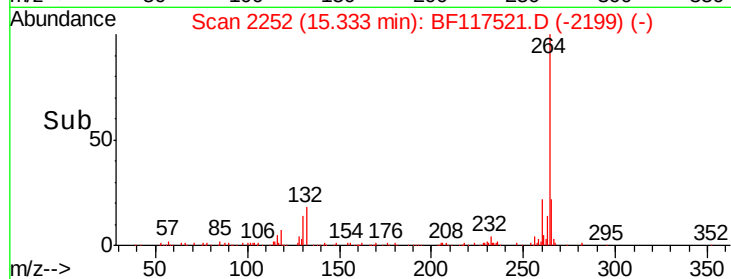
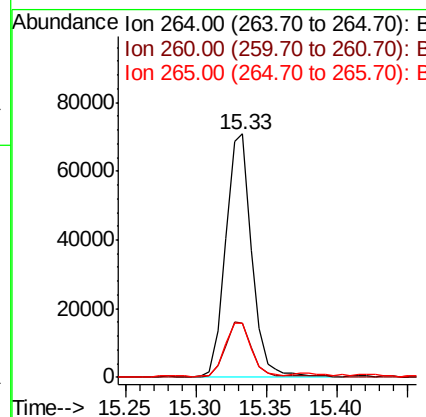
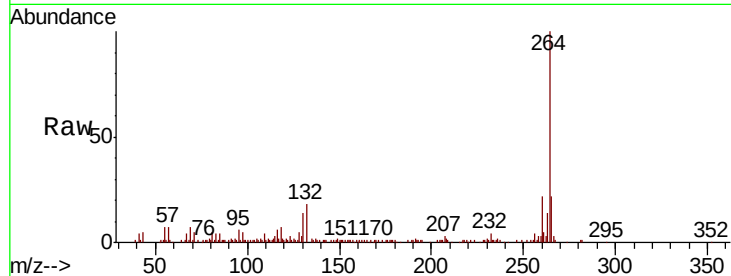
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
195-42-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.4	27.6
265	22.1	16.1	24.1

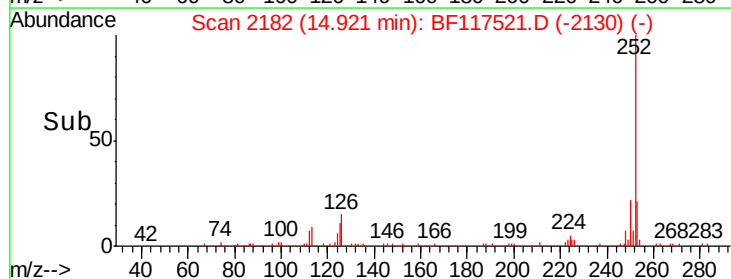
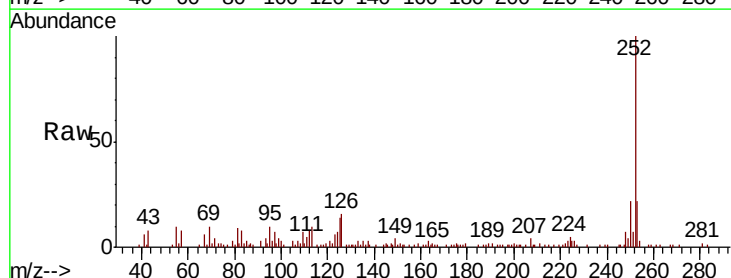
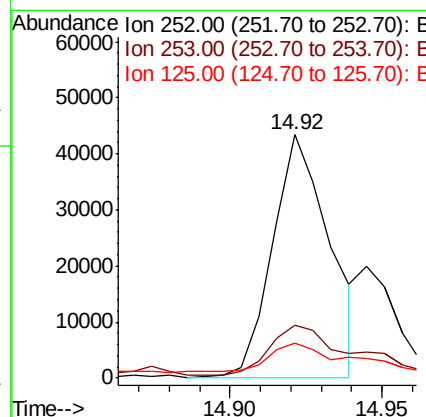
Manual Integrations
APPROVED

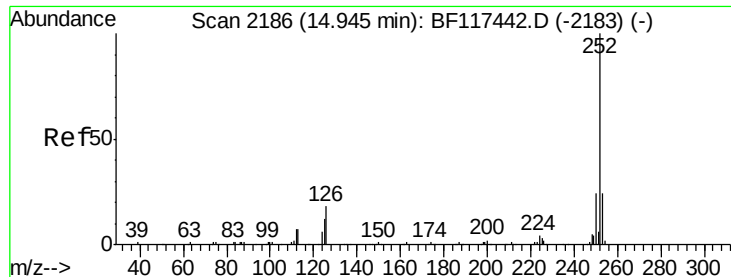
mohammad
10/26/2019 10:03:09 AM



#88
Benzo(b)fluoranthene
Concen: 10.493 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	14.5	9.9	14.9





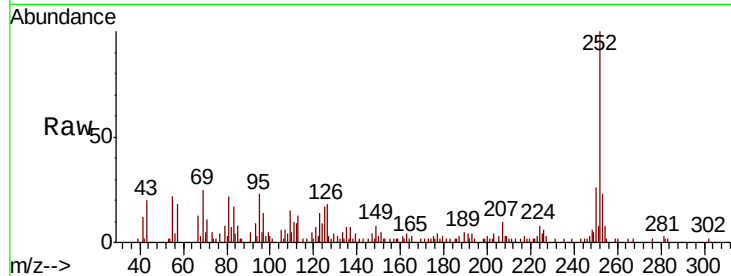
#89
Benzo(k)fluoranthene
Concen: 3.273 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
195-42-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	17.5	8.9	13.3

Manual Integrations
APPROVED

mohammad
10/26/2019 10:03:09 AM

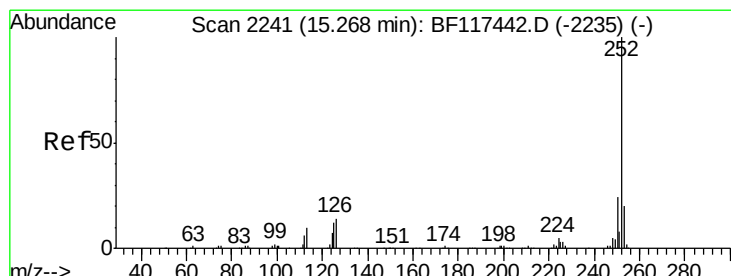
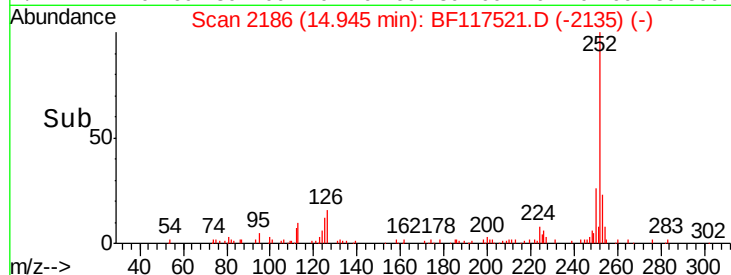
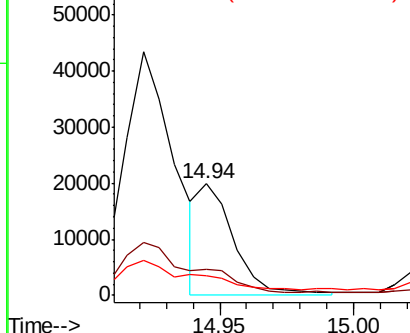


Abundance

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



#90
Benzo(a)pyrene
Concen: 6.926 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117521.D
Acq: 24 Oct 2019 20:13

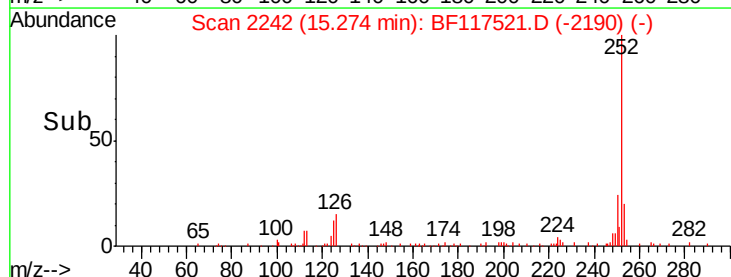
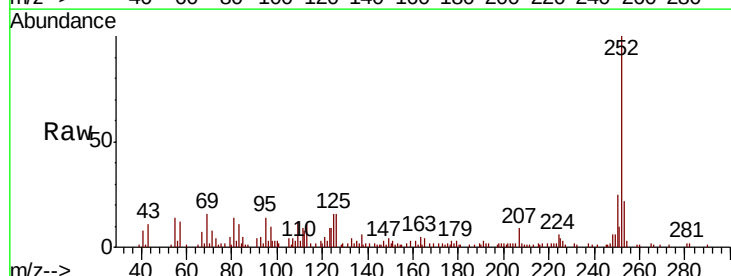
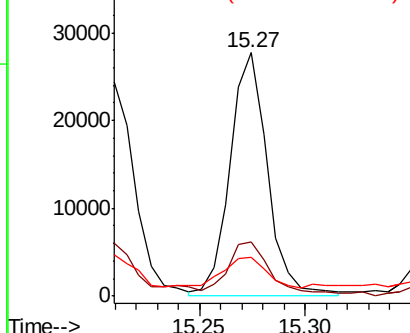
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.3	24.5
125	16.1	9.2	13.8

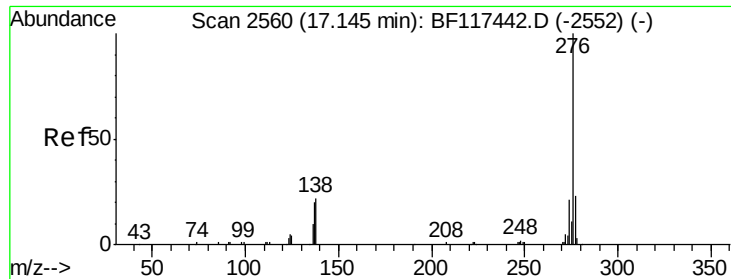
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 4.184 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. 0.03 min
 Lab File: BF117521.D
 Acq: 24 Oct 2019 20:13

Instrument :
 BNA_F
 ClientSampleId :
 195-42-(0-1)

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.5	18.4	27.6	
138	28.7	17.8	26.6	

Manual Integrations
 APPROVED

mohammad
 10/26/2019 10:03:09 AM

