

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117616.D
 Acq On : 30 Oct 2019 11:32
 Operator : JU
 Sample : K5503-07RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)RE

Manual Integrations
 APPROVED

mohammad
 10/31/2019 3:10:24 PM

Quant Time: Oct 31 13:25:42 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	38598	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	152286	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70916	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	103109	20.00	ng	0.00
76) Chrysene-d12	13.89	240	73139	20.00	ng	0.00
87) Perylene-d12	15.33	264	94511	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	152599	58.82	ng	0.00
7) Phenol-d6	6.38	99	217237	62.34	ng	0.00
23) Nitrobenzene-d5	7.29	82	126805	41.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	33958	55.34	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	183734	36.51	ng	-0.01
79) Terphenyl-d14	12.83	244	114563	25.55	ng	0.00
Target Compounds						
10) Phenol	6.40	94	9430	2.651	ng	86
50) Dimethylphthalate	9.48	163	26737	5.289	ng	# 98
71) Phenanthrene	11.27	178	73992	12.358	ng	99
72) Anthracene	11.33	178	18405	2.996	ng	96
75) Fluoranthene	12.46	202	138588	23.123	ng	99
78) Pyrene	12.69	202	124453	19.810	ng	98
81) Benzo(a)anthracene	13.88	228	64377	13.049	ng	98
83) Chrysene	13.92	228	59932	12.395	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	51399	14.238	ng	98
88) Benzo(b)fluoranthene	14.93	252	90124m	16.148	ng	
89) Benzo(k)fluoranthene	14.94	252	33550m	5.865	ng	
90) Benzo(a)pyrene	15.27	252	70195	13.834	ng	95
91) Dibenzo(a,h)anthracene	16.74	278	11539m	2.630	ng	
92) Benzo(a,h,i)perylene	17.18	276	51751	12.466	ng	97

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

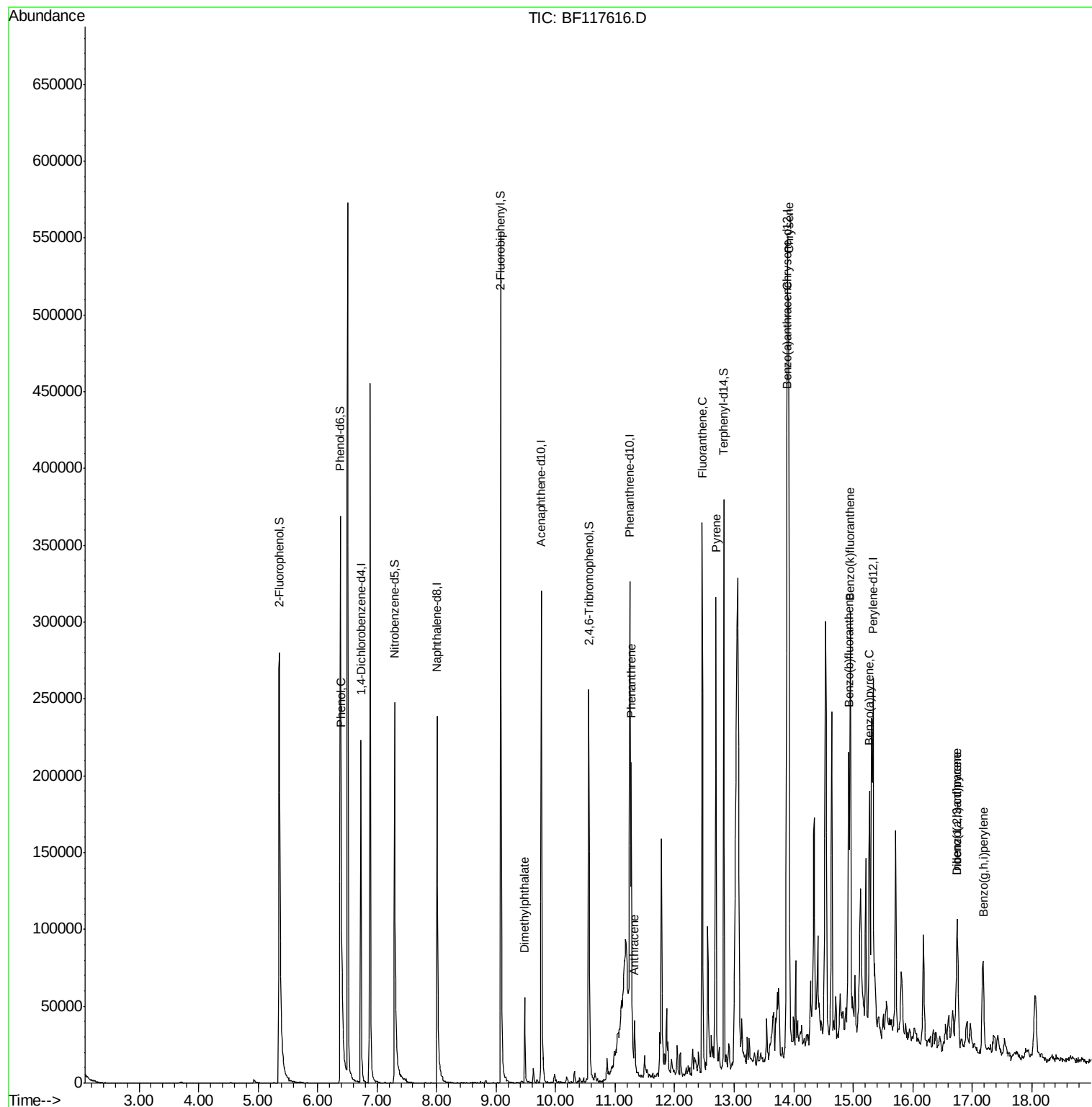
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117616.D
Acq On : 30 Oct 2019 11:32
Operator : JU
Sample : K5503-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

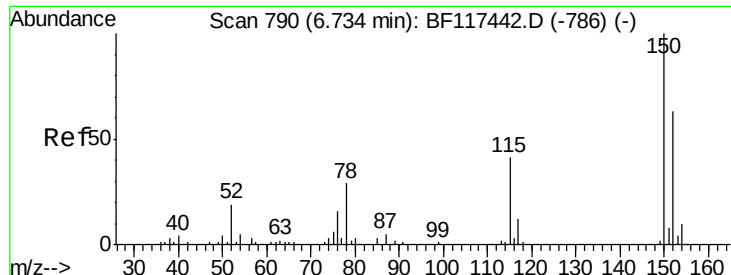
Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:24 PM

Quant Time: Oct 31 13:25:42 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

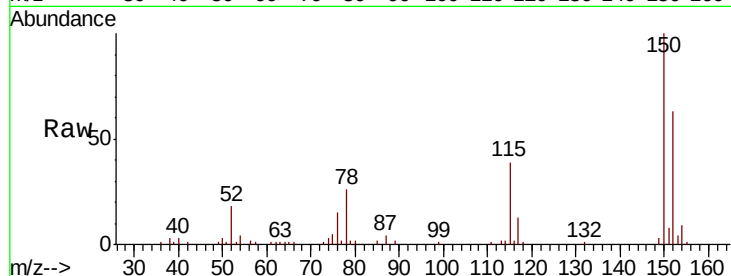
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.8	190.2
115	62.5	51.6	77.4

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:24 PM

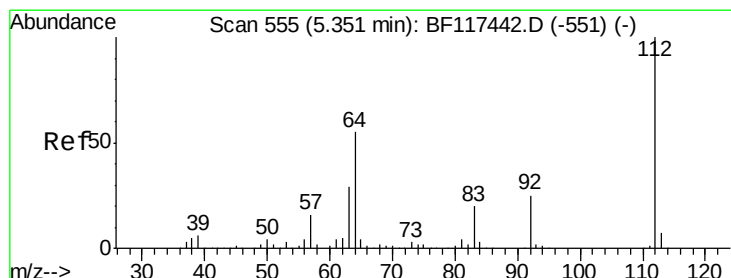
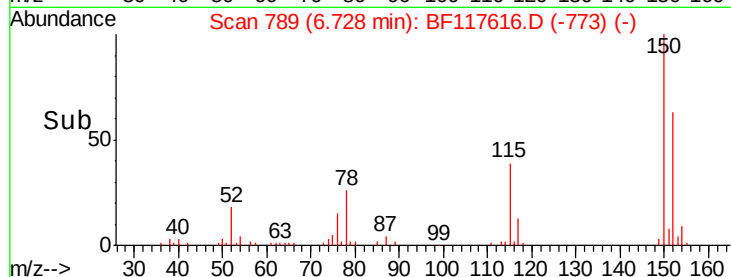
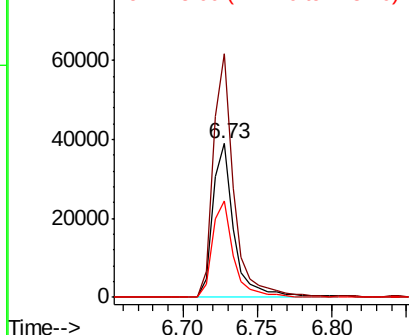


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

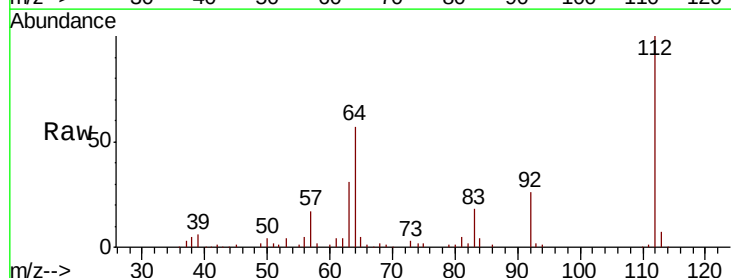
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.817 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.1	66.1
63	30.7	23.4	35.2

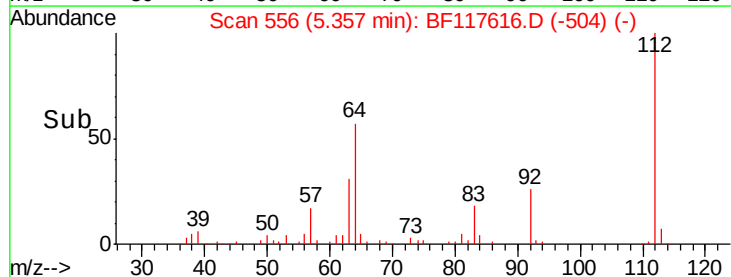
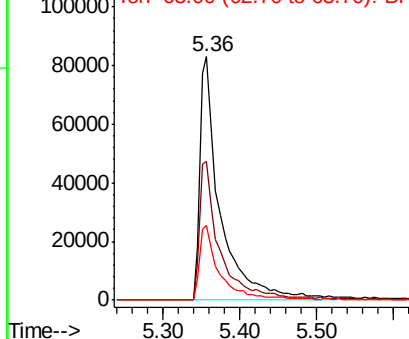


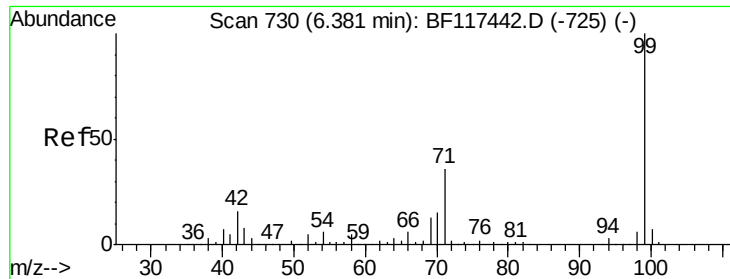
Abundance

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: 62.341 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117616.D

Acq: 30 Oct 2019 11:32

Instrument :

BNA_F

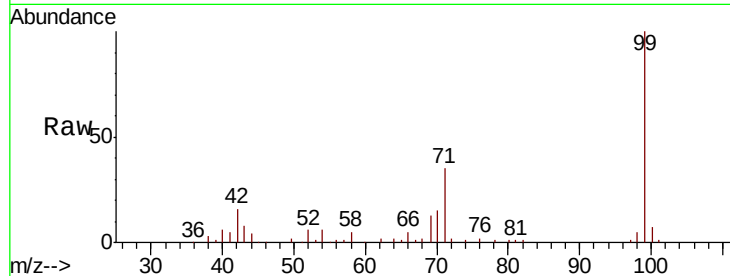
ClientSampleId :

174-54-(0-2)RE

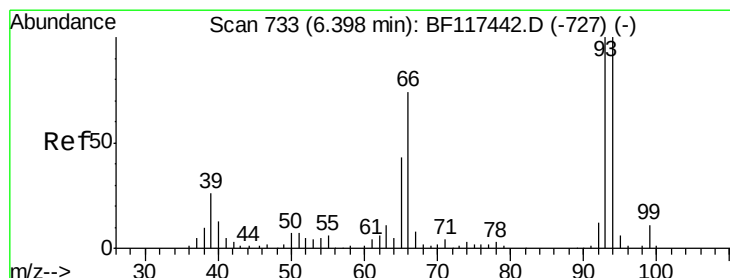
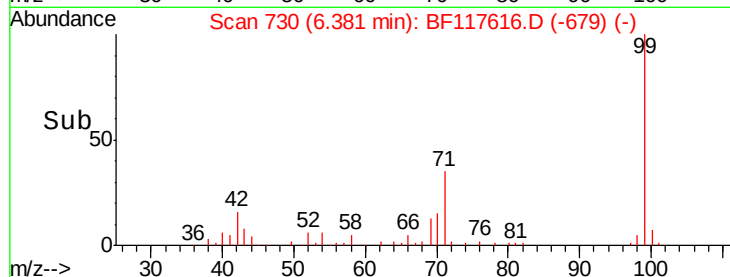
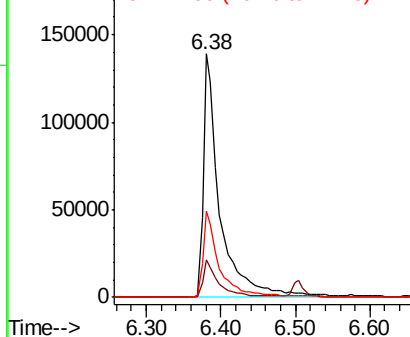
Tot Ion:	99	Resp:	217237
Ion Ratio	Lower	Upper	
99	100		
42	15.6	12.8	19.2
71	35.1	28.6	43.0

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:24 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.651 ng

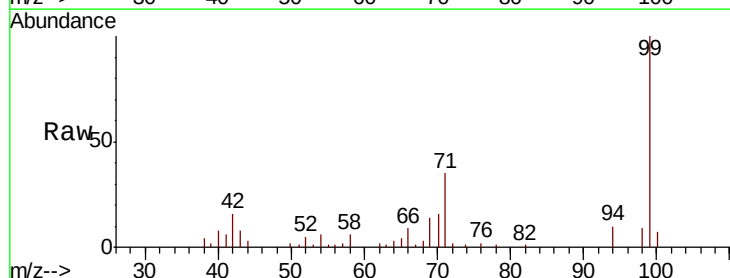
RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

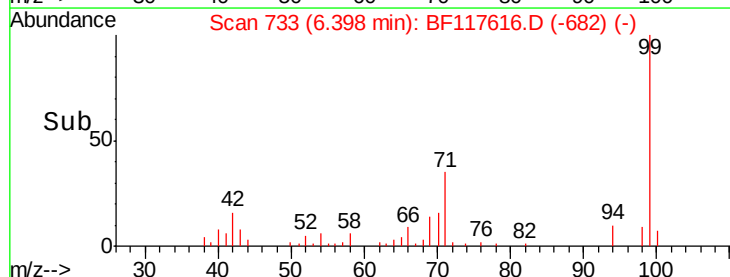
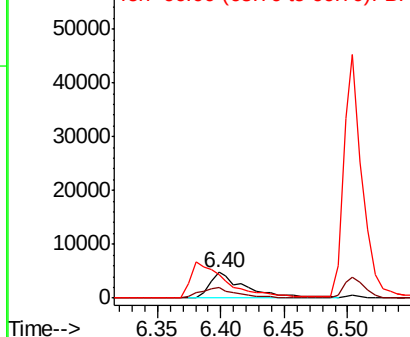
Lab File: BF117616.D

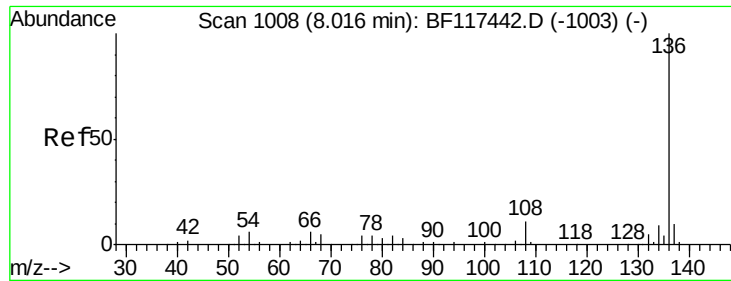
Acq: 30 Oct 2019 11:32

Tgt Ion:	94	Resp:	9430
Ion Ratio	Lower	Upper	
94	100		
65	43.3	23.4	63.4
66	93.0	54.7	94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





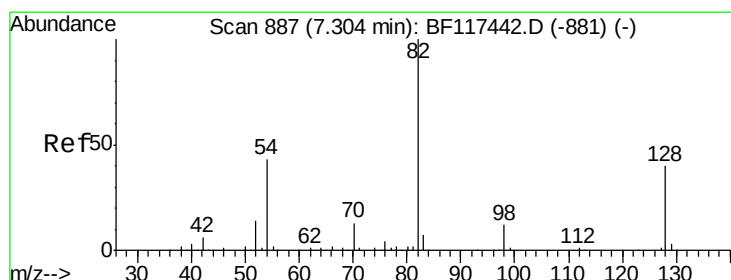
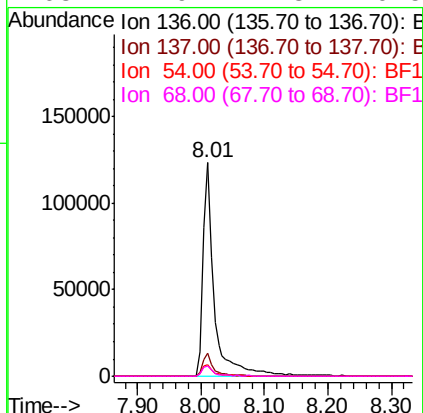
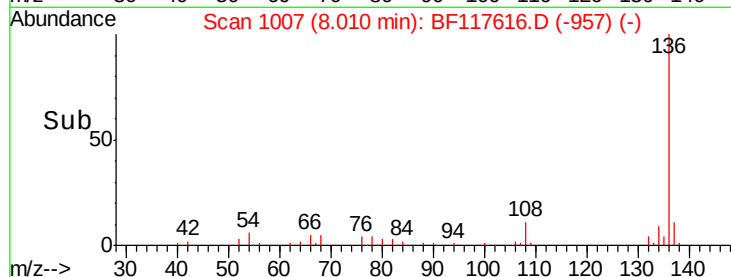
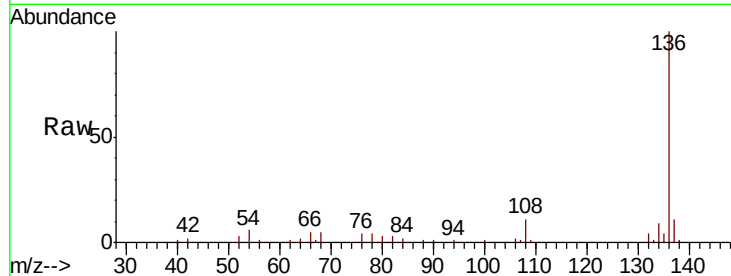
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	152286		
137	10.6		8.2	12.4
54	5.7		4.5	6.7
68	4.9		4.3	6.5

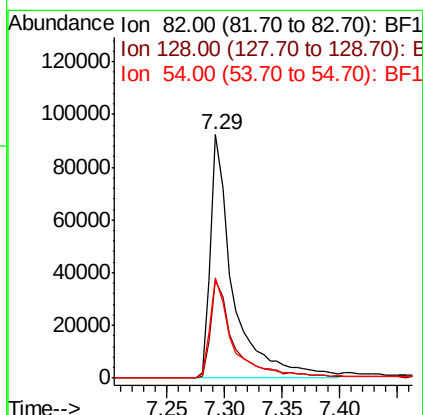
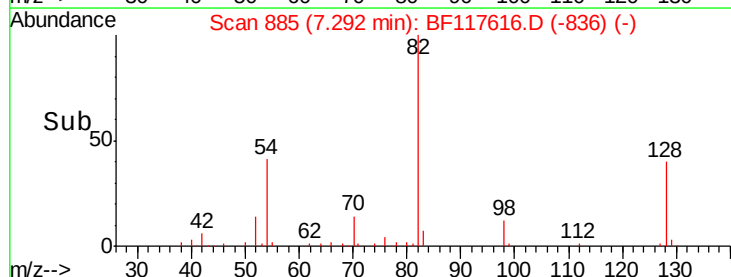
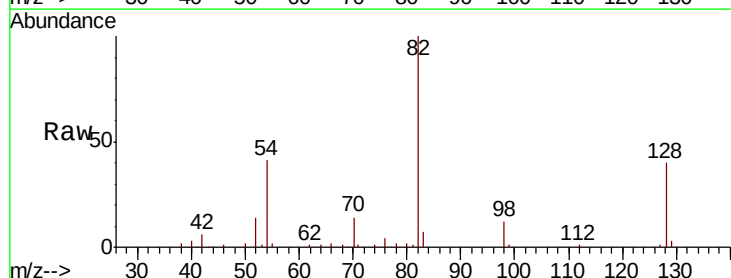
Manual Integrations
APPROVED

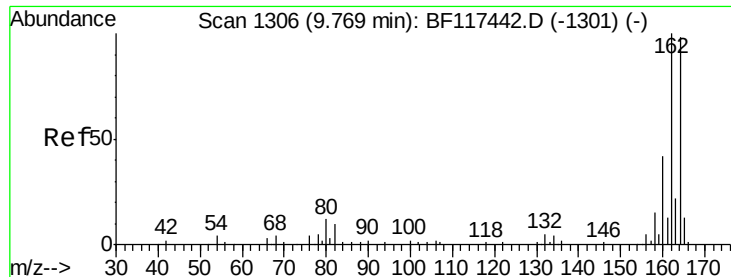
mohammad
10/31/2019 3:10:24 PM



#23
Nitrobenzene-d5
Concen: 41.107 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	126805		
128	40.2		32.2	48.2
54	41.4		34.2	51.2





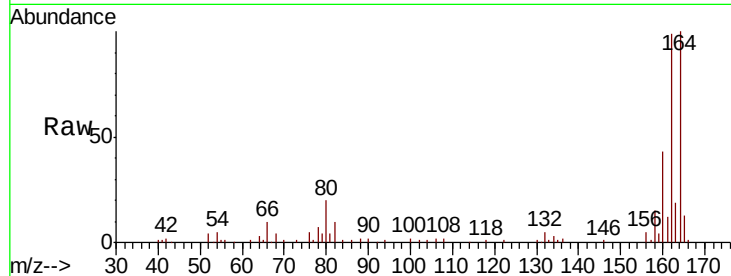
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.8	122.6
160	43.0	34.4	51.6

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:24 PM

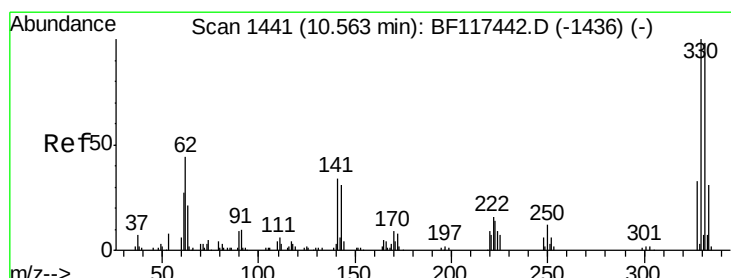
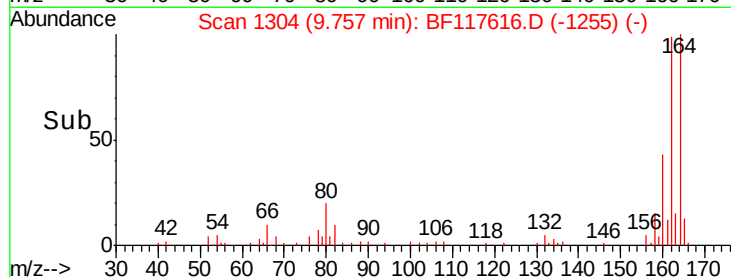
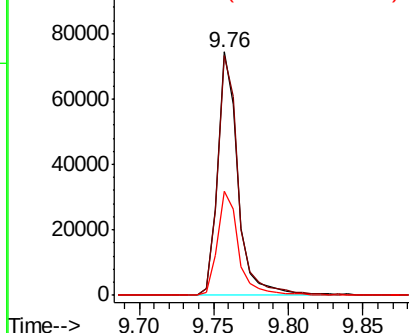


Abundance

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: 55.342 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

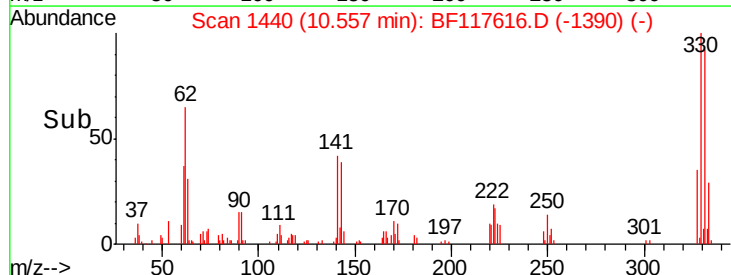
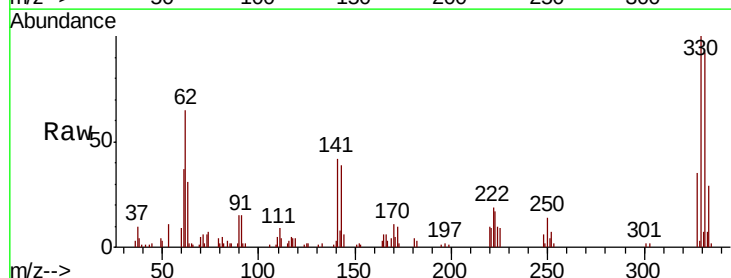
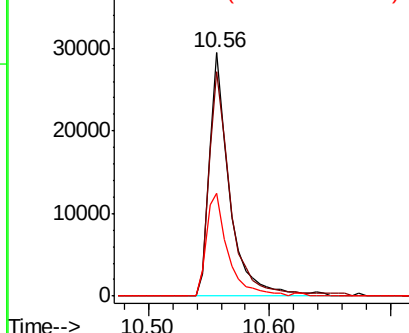
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	45.0	37.0	55.6

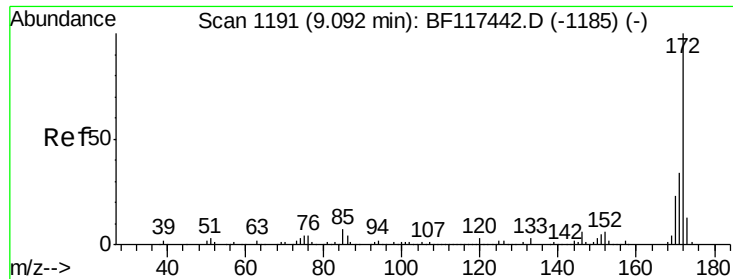
Abundance

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





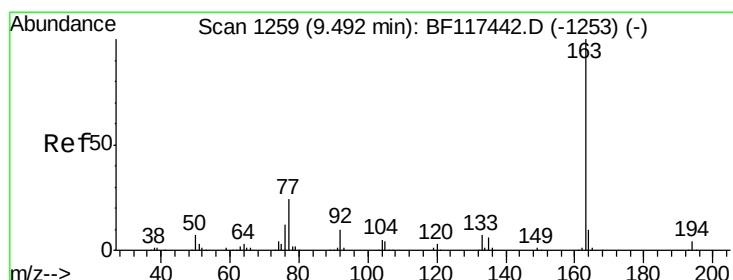
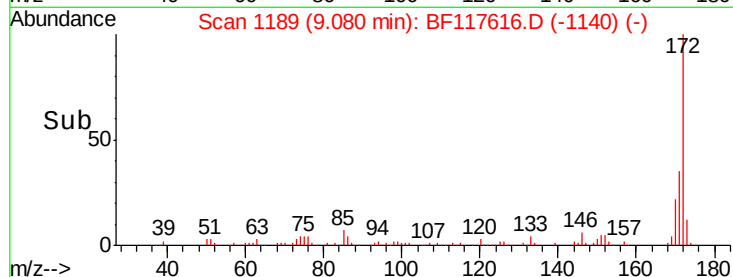
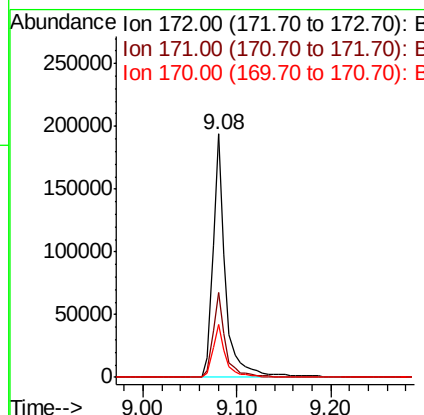
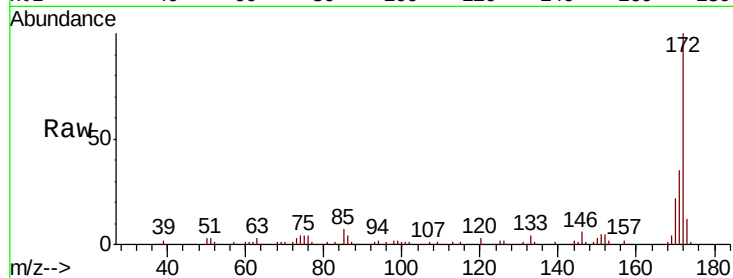
#45
2-Fluorobiphenyl
Concen: 36.505 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	21.8	18.6	27.8

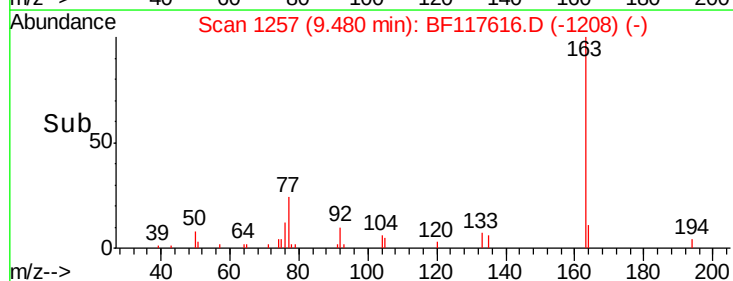
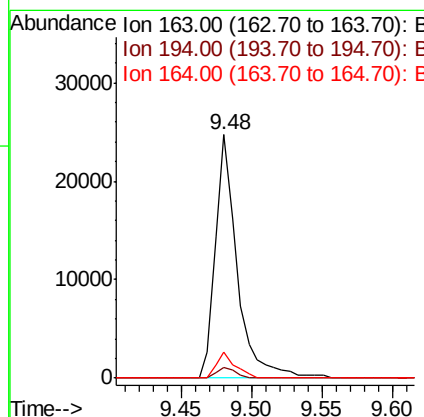
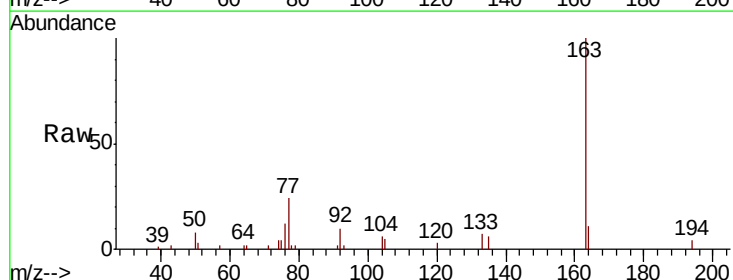
Manual Integrations
APPROVED

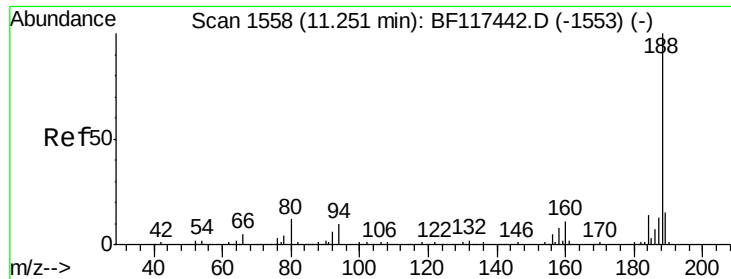
mohammad
10/31/2019 3:10:24 PM



#50
Dimethylphthalate
Concen: 5.289 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.9	4.3#
164	10.8	8.2	12.2





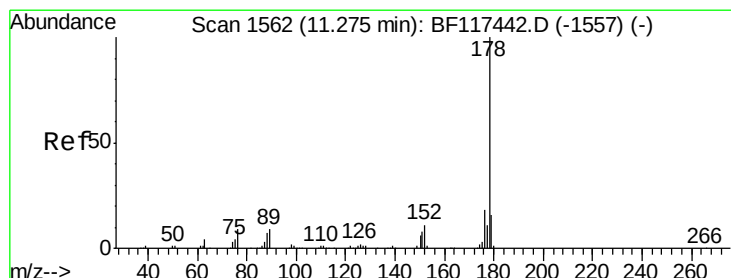
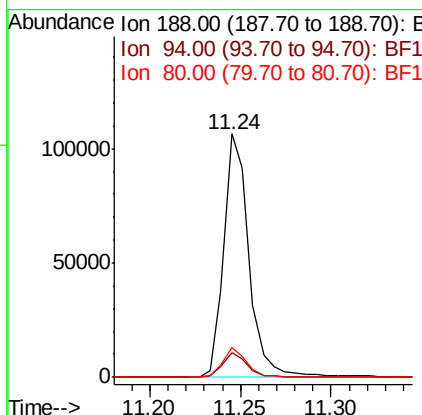
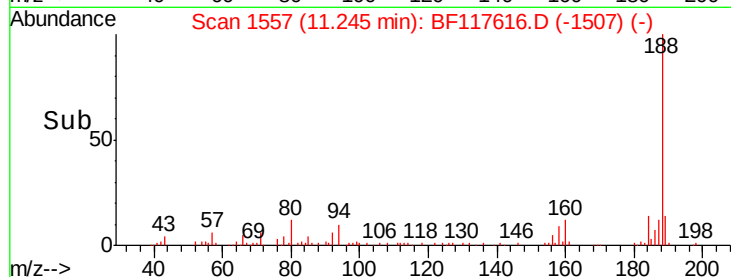
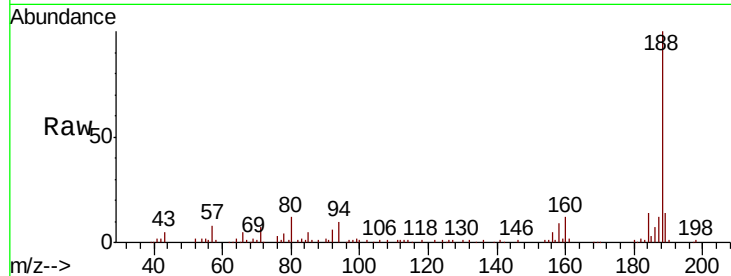
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117616.D
 Acq: 30 Oct 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	103109		
94	9.9	8.0	12.0	
80	12.2	9.5	14.3	

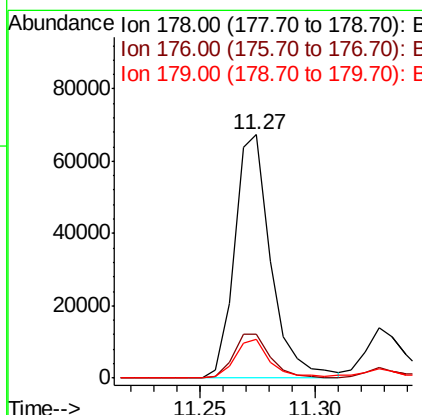
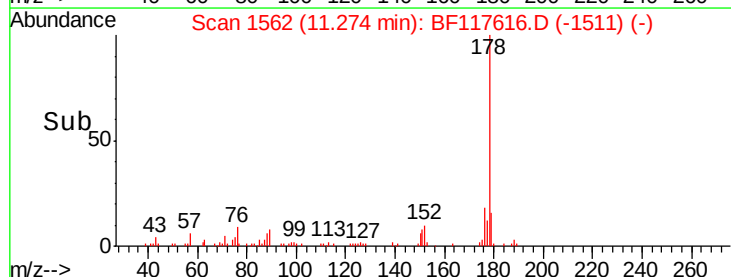
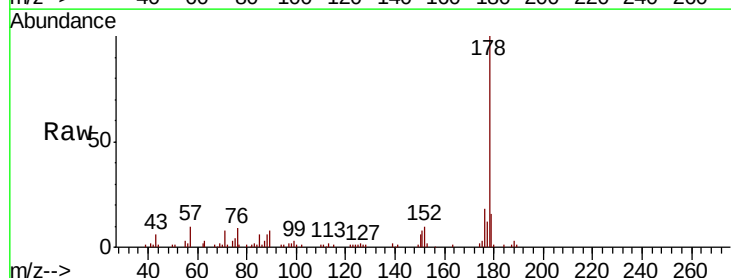
Manual Integrations
 APPROVED

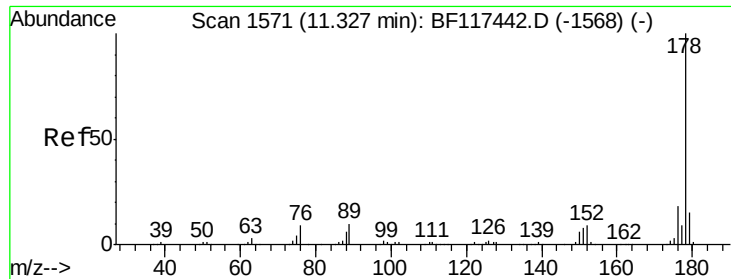
mohammad
 10/31/2019 3:10:24 PM



#71
 Phenanthrene
 Concen: 12.358 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF117616.D
 Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	73992		
176	17.8	14.6	22.0	
179	16.0	12.6	19.0	





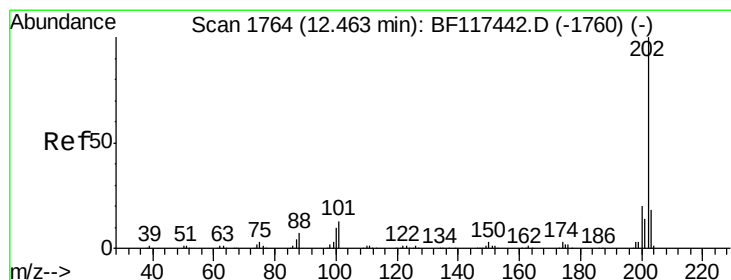
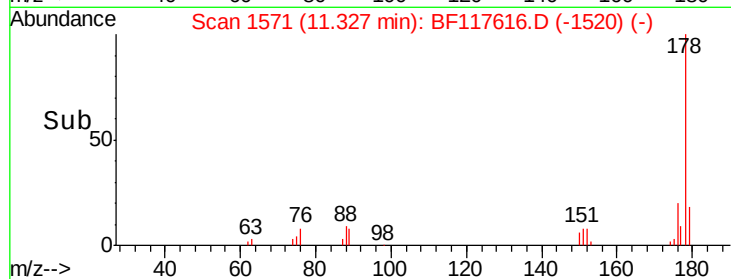
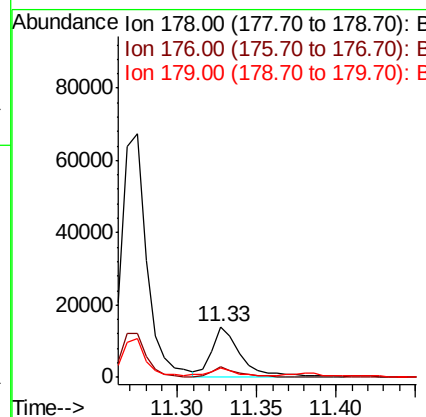
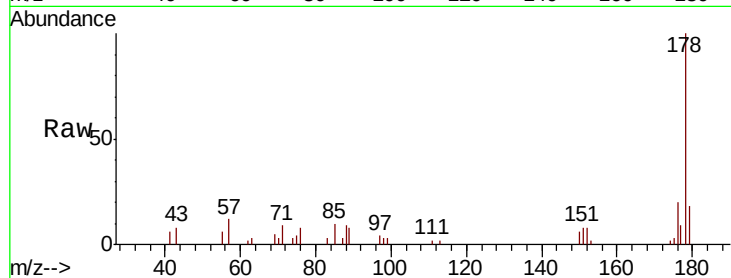
#72
 Anthracene
 Concen: 2.996 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF117616.D
 Acq: 30 Oct 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.7	22.1
179	17.6	12.2	18.2

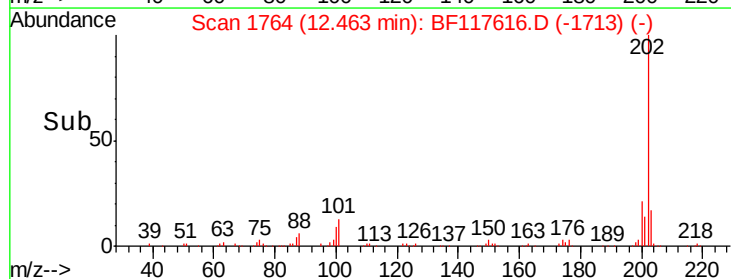
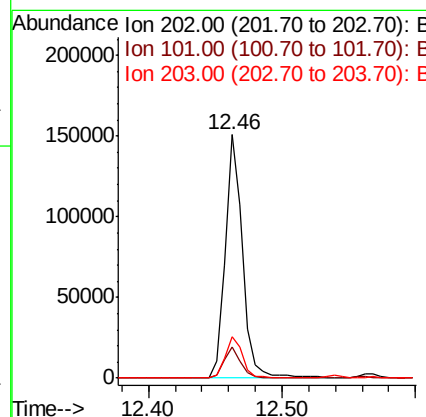
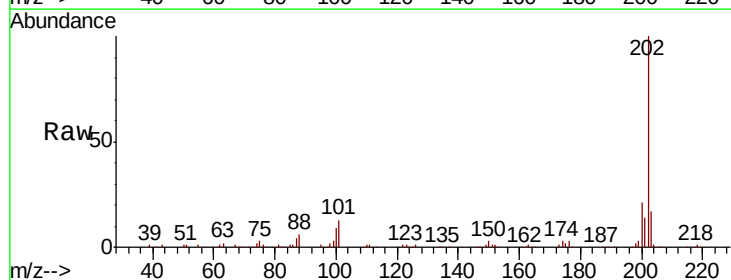
Manual Integrations
 APPROVED

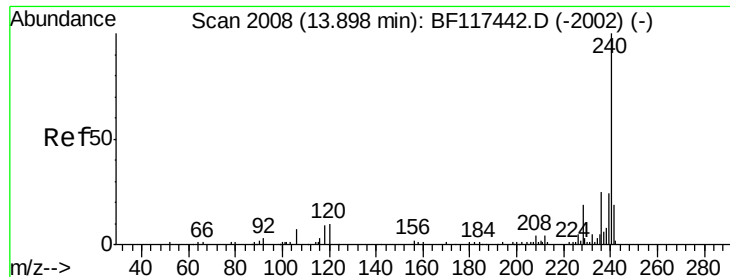
mohammad
 10/31/2019 3:10:24 PM



#75
 Fluoranthene
 Concen: 23.123 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117616.D
 Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.7
203	16.9	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117616.D

Acq: 30 Oct 2019 11:32

Instrument :

BNA_F

ClientSampleId :

174-54-(0-2)RE

Tot Ion:240 Resp: 73139

Ion Ratio Lower Upper

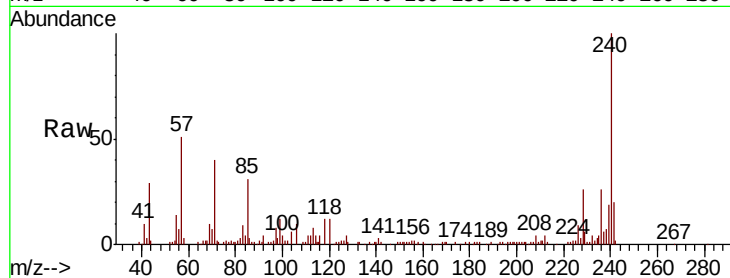
240 100

120 11.8 8.4 12.6

236 26.0 20.0 30.0

Manual Integrations
APPROVED

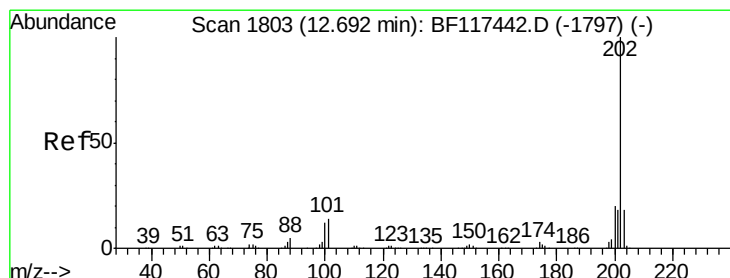
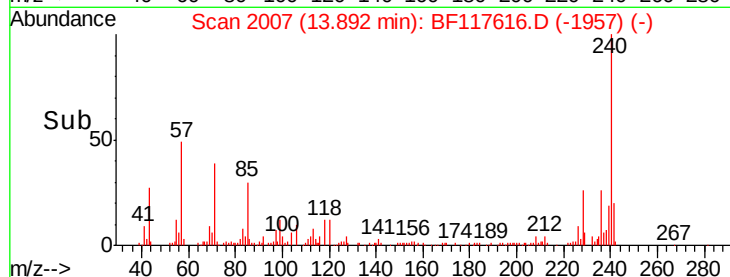
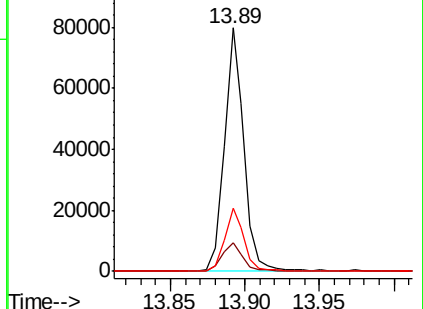
mohammad
10/31/2019 3:10:24 PM



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

Pyrene

Concen: 19.810 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117616.D

Acq: 30 Oct 2019 11:32

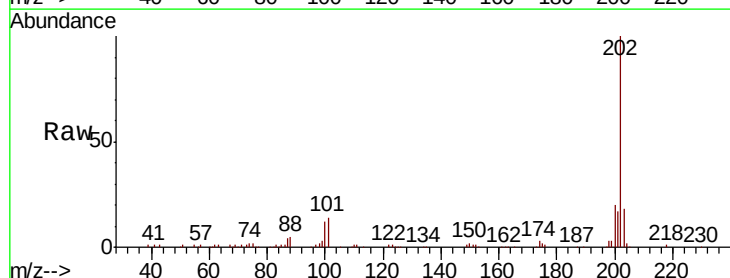
Tgt Ion:202 Resp: 124453

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

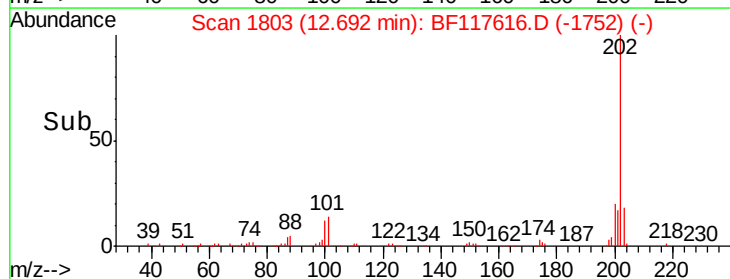
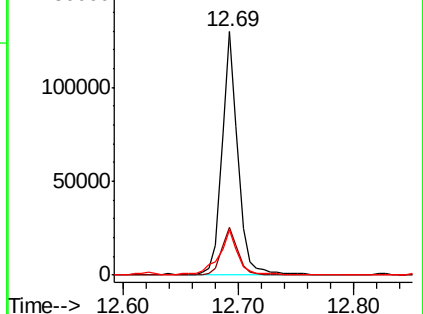
203 18.4 14.0 21.0

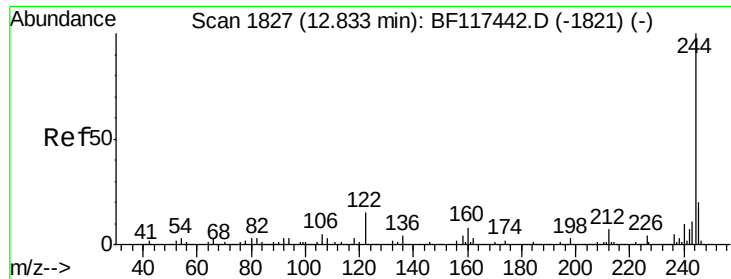


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





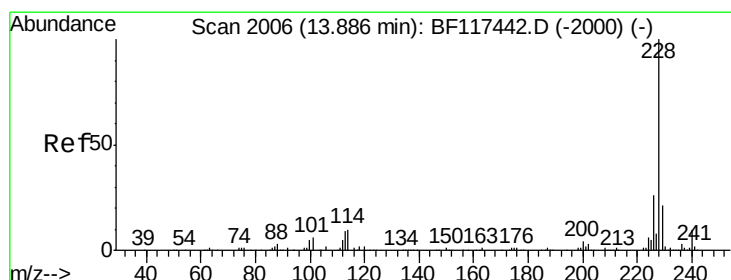
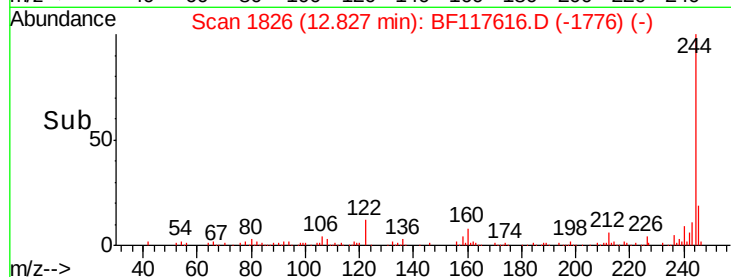
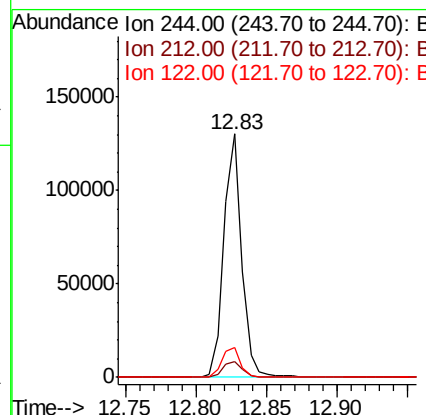
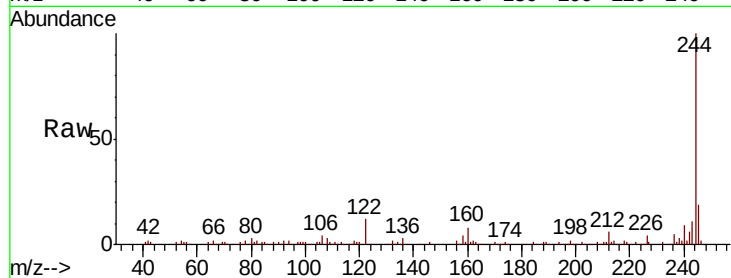
#79
 Terphenyl-d14
 Concen: 25.549 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117616.D
 Acq: 30 Oct 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	12.4	11.8	17.8

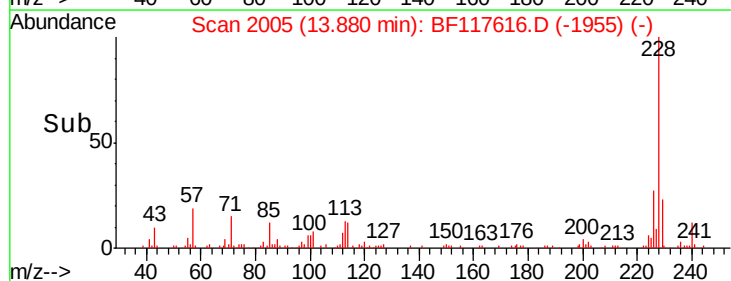
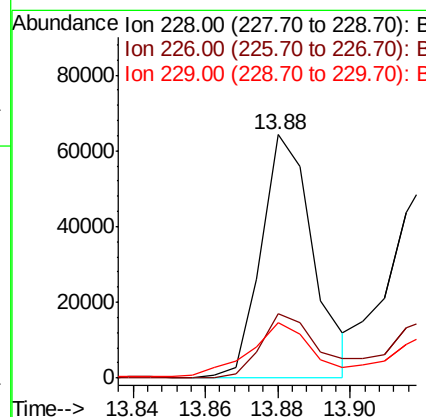
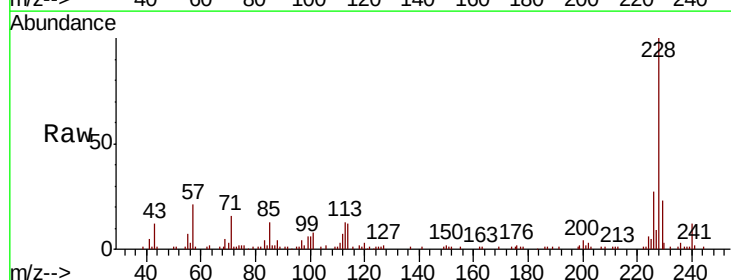
Manual Integrations
 APPROVED

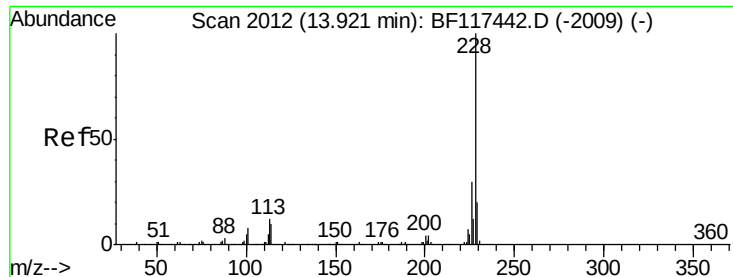
mohammad
 10/31/2019 3:10:24 PM



#81
 Benzo(a)anthracene
 Concen: 13.049 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117616.D
 Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.0	31.4
229	22.6	16.4	24.6





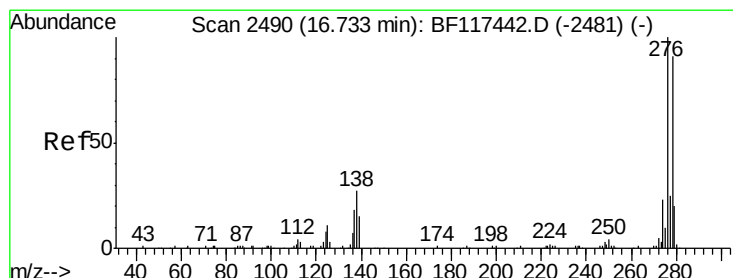
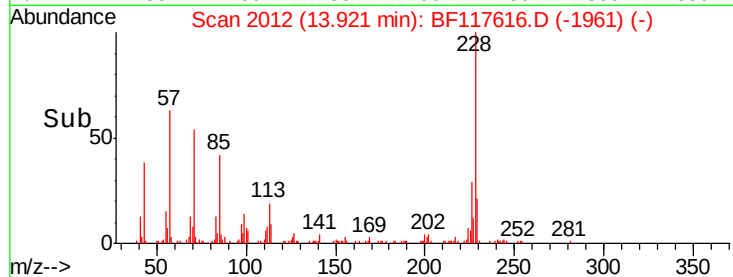
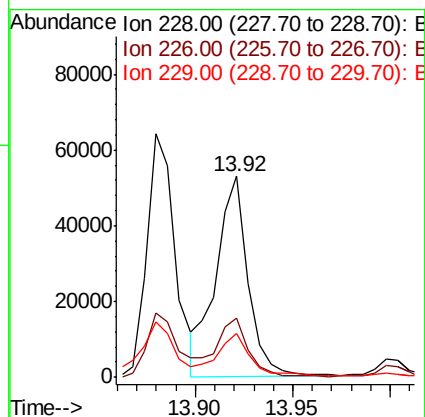
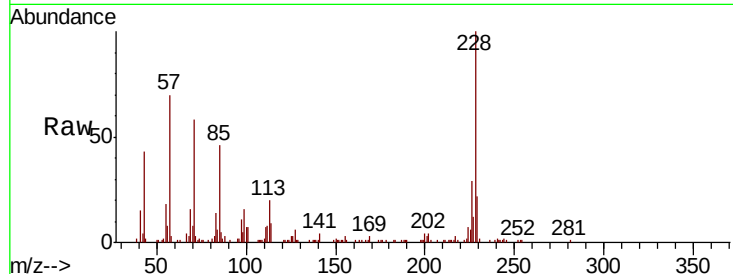
#83
Chrysene
Concen: 12.395 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion:	228	Resp:	59932
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.9	35.9
229	21.7	15.8	23.6

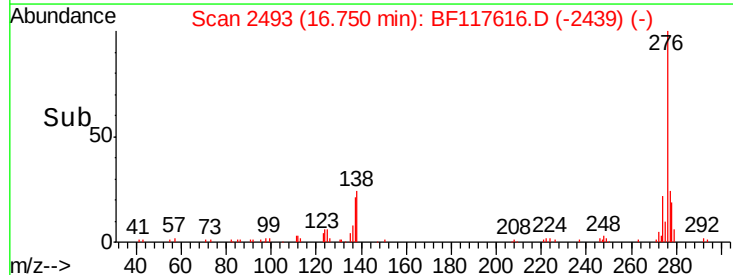
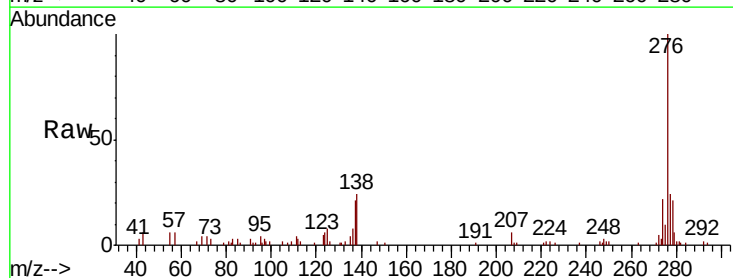
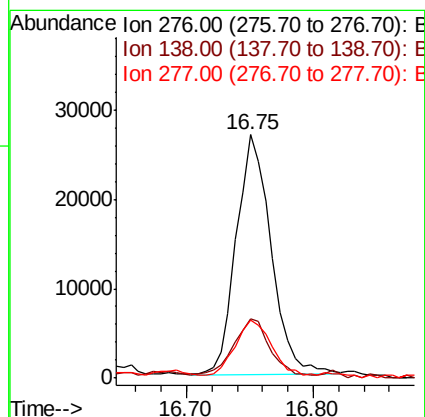
Manual Integrations
APPROVED

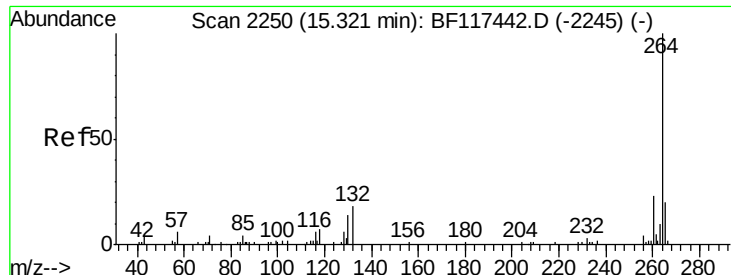
mohammad
10/31/2019 3:10:24 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 14.238 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Tgt Ion:	276	Resp:	51399
Ion	Ratio	Lower	Upper
276	100		
138	25.4	21.8	32.8
277	25.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117616.D

Acq: 30 Oct 2019 11:32

Instrument :

BNA_F

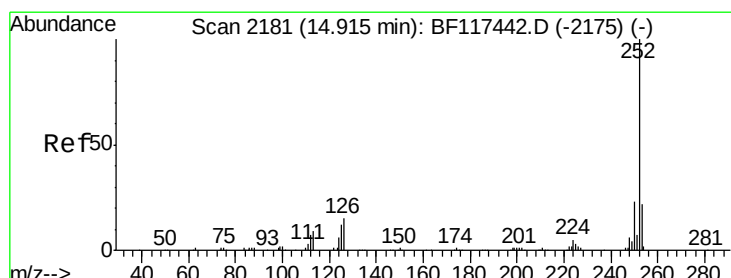
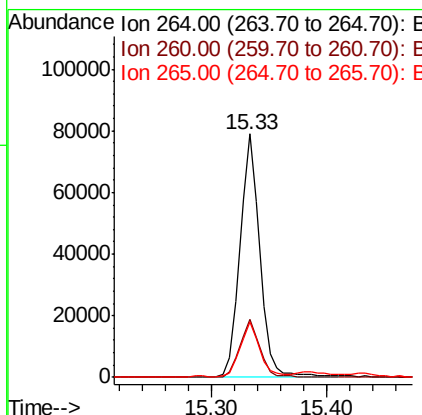
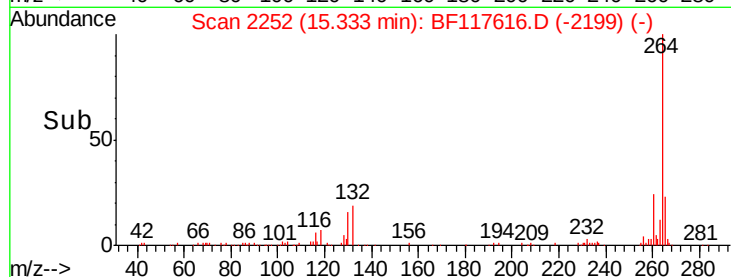
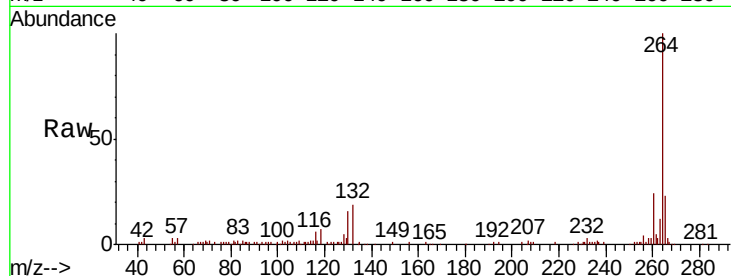
ClientSampleId :

174-54-(0-2)RE

Tot Ion:	264	Resp:	94511
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.4	27.6
265	23.0	16.1	24.1

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:24 PM



#88

Benzo(b)fluoranthene

Concen: 16.148 ng m

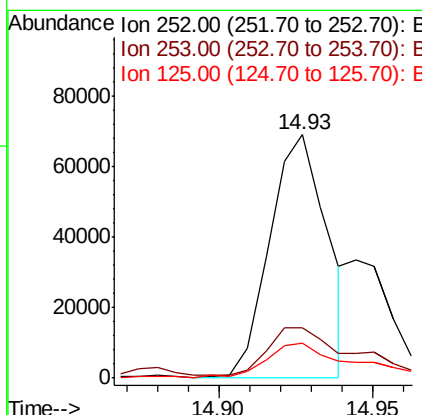
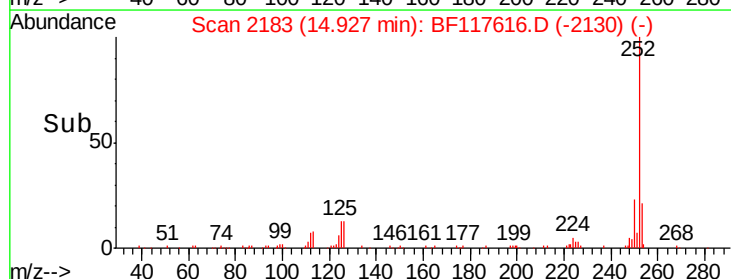
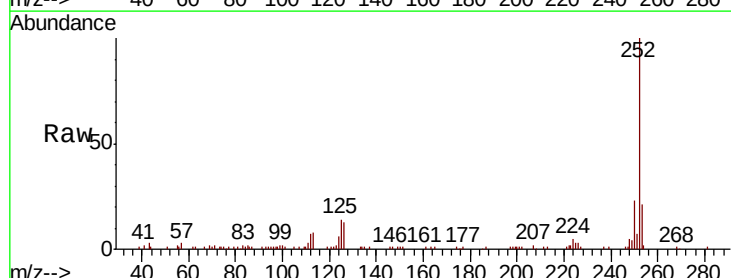
RT: 14.93 min Scan# 2183

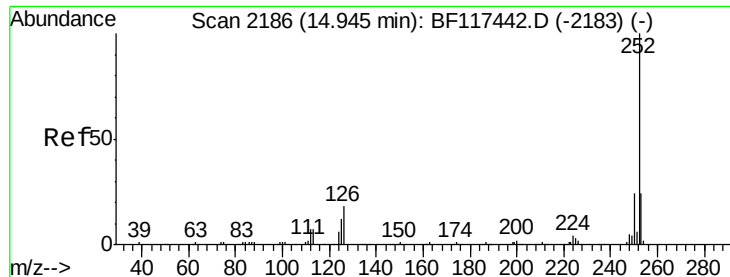
Delta R.T. 0.01 min

Lab File: BF117616.D

Acq: 30 Oct 2019 11:32

Tgt Ion:	252	Resp:	90124
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.8	26.6
125	14.1	9.9	14.9





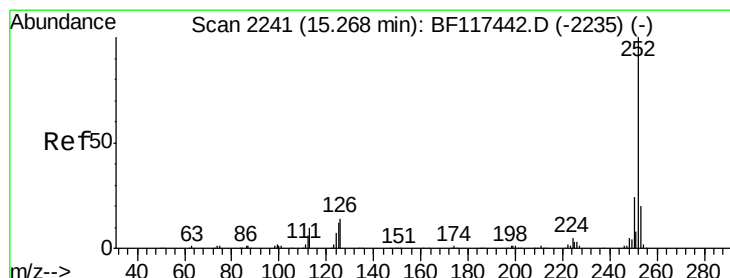
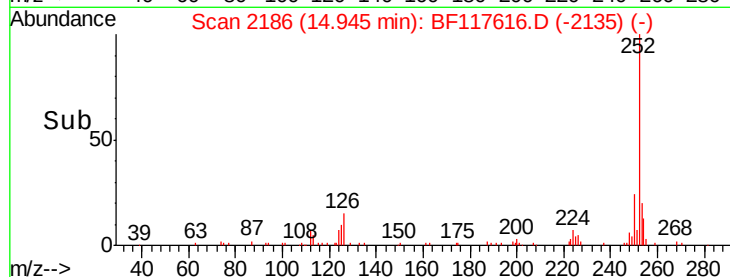
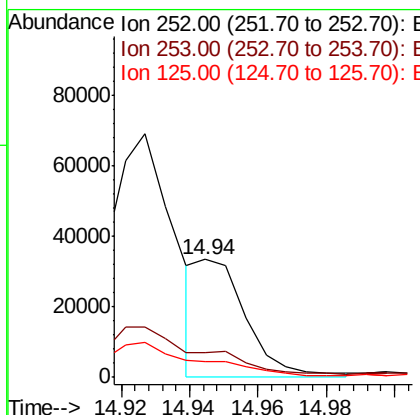
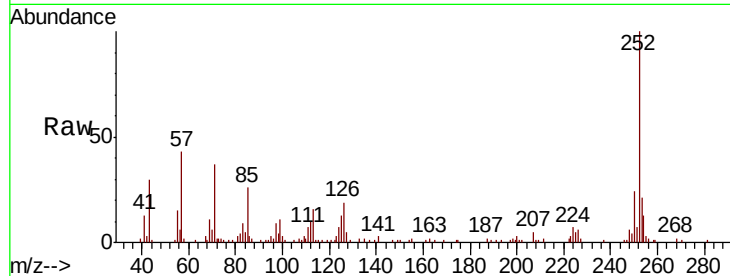
#89
Benzo(k)fluoranthene
Concen: 5.865 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	13.4	8.9	13.3

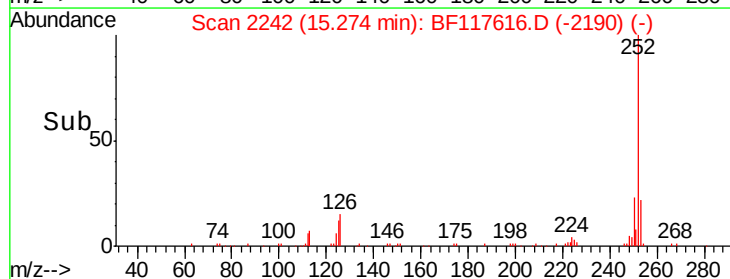
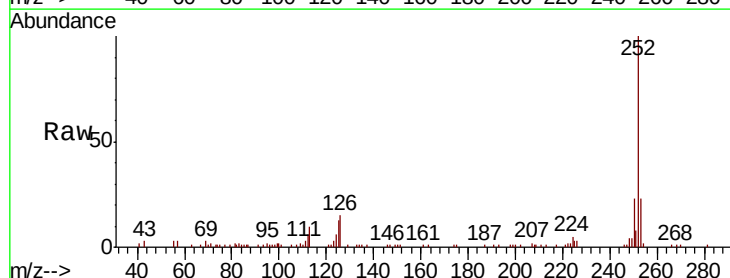
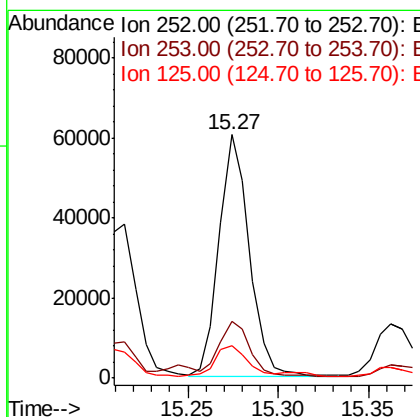
Manual Integrations
APPROVED

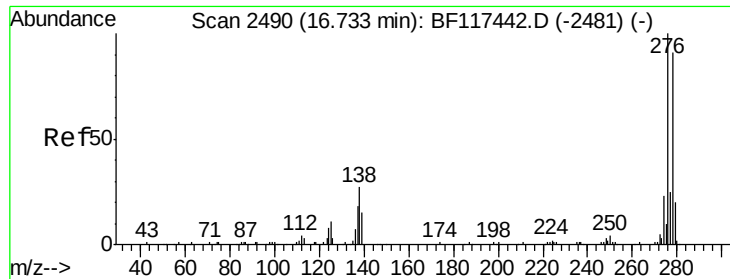
mohammad
10/31/2019 3:10:24 PM



#90
Benzo(a)pyrene
Concen: 13.834 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.3	24.5
125	13.1	9.2	13.8





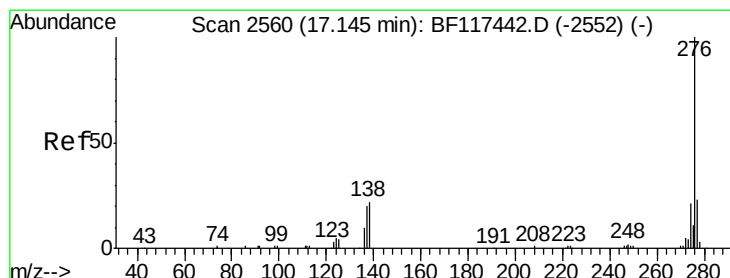
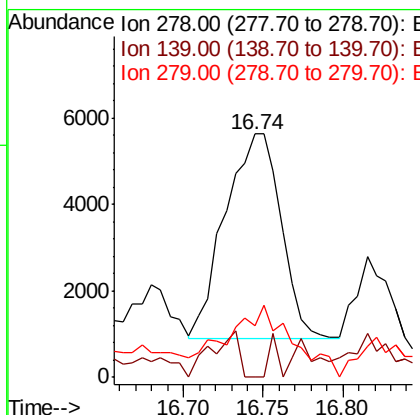
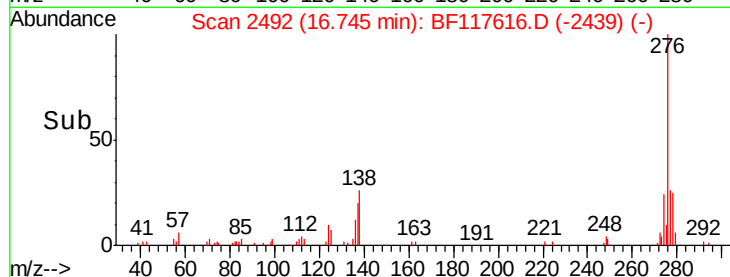
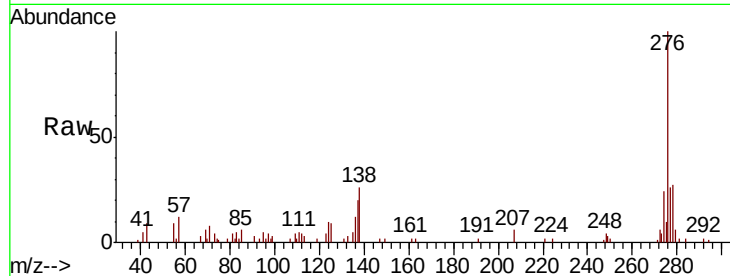
#91
Dibenzo(a,h)anthracene
Concen: 2.630 ng m
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	21.4	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:24 PM



#92
Benzo(g,h,i)perylene
Concen: 12.466 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF117616.D
Acq: 30 Oct 2019 11:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.4	27.6
138	23.2	17.8	26.6

