

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117624.D
 Acq On : 30 Oct 2019 15:05
 Operator : JU
 Sample : K5542-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 200-64-(0-1)

Manual Integrations
 APPROVED

mohammad
 10/31/2019 3:10:42 PM

Quant Time: Nov 07 08:05:53 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	41011	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	168409	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	85732	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	129656	20.00	ng	0.00
76) Chrysene-d12	13.90	240	86264	20.00	ng	0.00
87) Perylene-d12	15.33	264	88517	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	198714	72.08	ng	0.00
7) Phenol-d6	6.39	99	284769	76.91	ng	0.00
23) Nitrobenzene-d5	7.29	82	188426	55.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	51731	69.74	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	290437	47.73	ng	-0.01
79) Terphenyl-d14	12.83	244	235591	44.55	ng	0.00
Target Compounds						
10) Phenol	6.40	94	7744	2.049	ng	Qvalue # 82
50) Dimethylphthalate	9.48	163	53281	8.718	ng	99
71) Phenanthrene	11.27	178	191706	25.464	ng	99
72) Anthracene	11.33	178	50713	6.565	ng	98
75) Fluoranthene	12.46	202	214940	28.519	ng	99
78) Pyrene	12.69	202	201153	27.148	ng	99
81) Benzo(a)anthracene	13.89	228	85712	14.730	ng	99
83) Chrysene	13.92	228	70641	12.387	ng	97
86) Indeno(1,2,3-cd)pyrene	16.76	276	33914	7.965	ng	98
88) Benzo(b)fluoranthene	14.93	252	77410m	14.810	ng	
89) Benzo(k)fluoranthene	14.95	252	28281m	5.279	ng	
90) Benzo(a)pyrene	15.27	252	60565	12.744	ng	97
92) Benzo(a,h,i)perylene	17.19	276	29211	7.513	ng	96

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

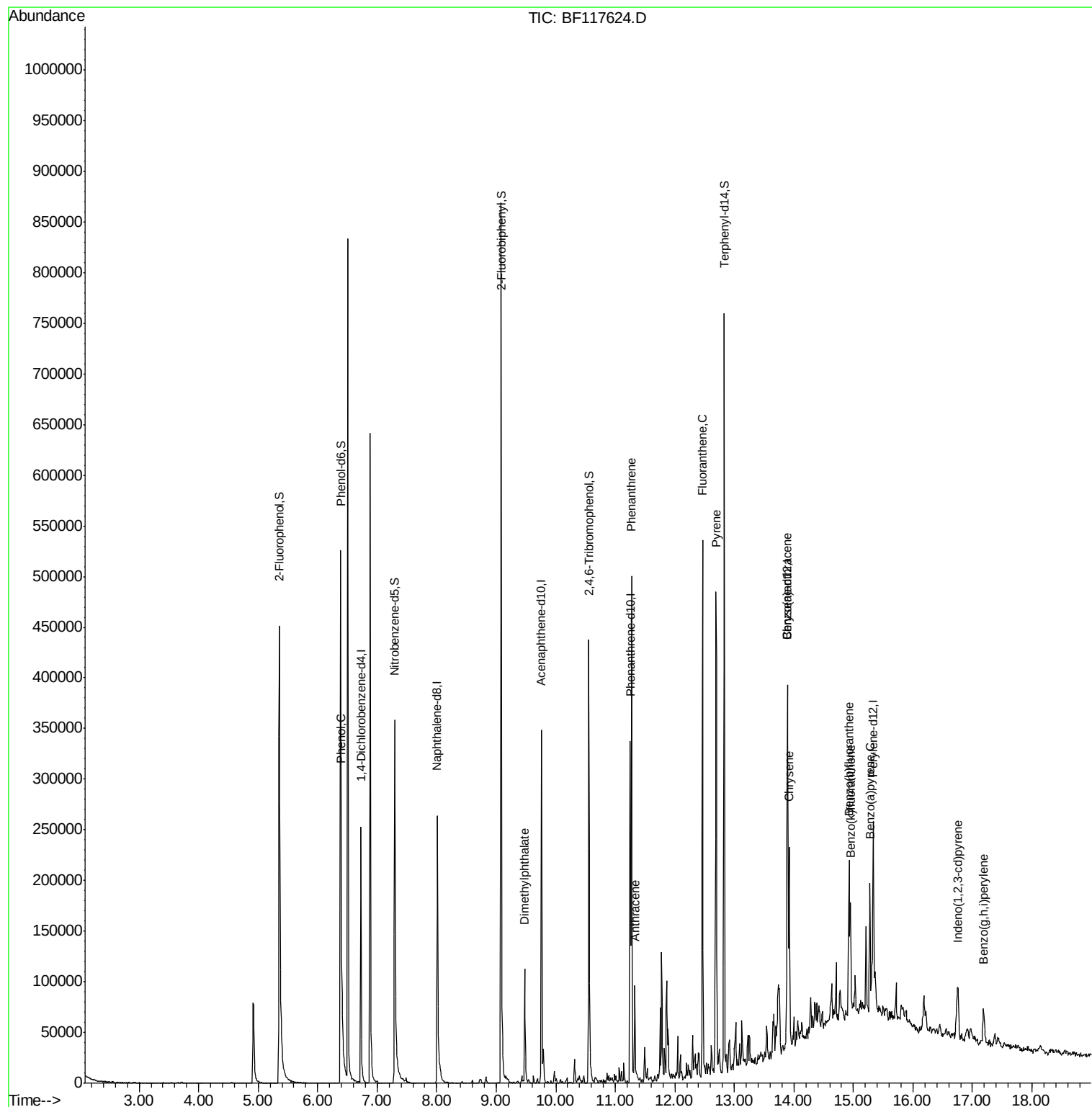
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117624.D
Acq On : 30 Oct 2019 15:05
Operator : JU
Sample : K5542-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

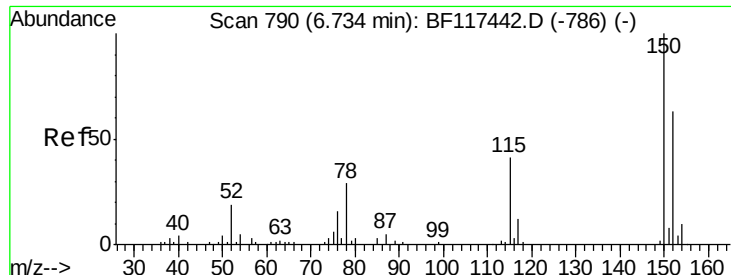
Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:42 PM

Quant Time: Nov 07 08:05:53 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

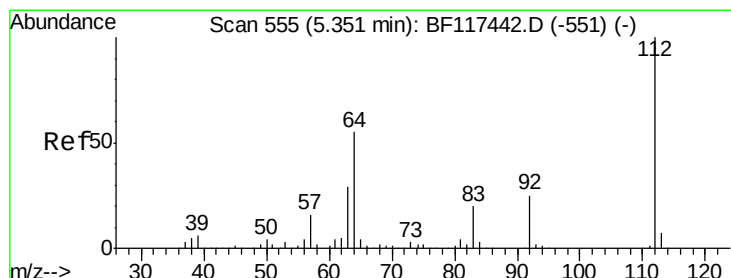
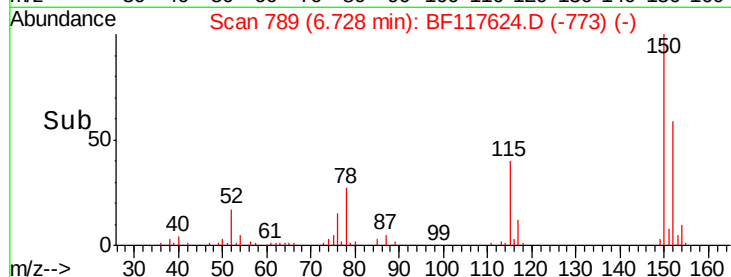
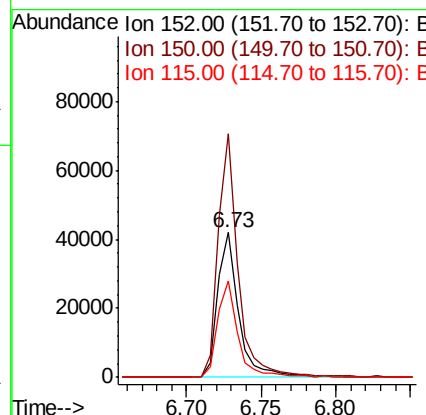
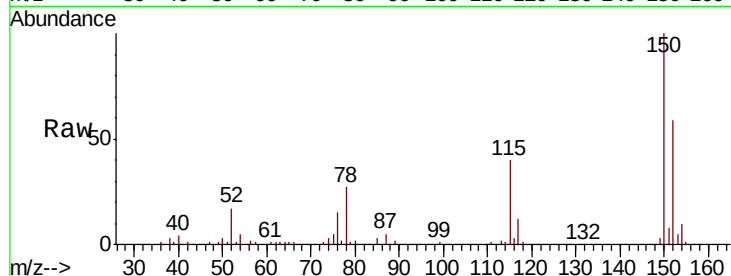
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.2	126.8	190.2
115	66.6	51.6	77.4

Manual Integrations
APPROVED

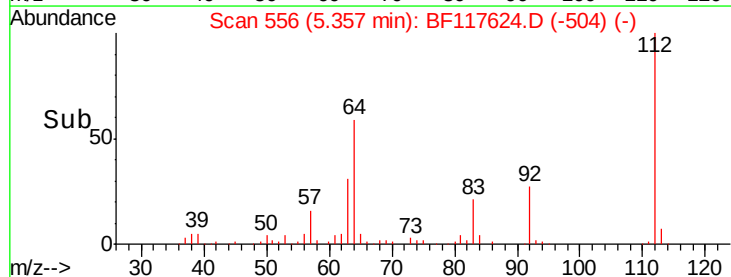
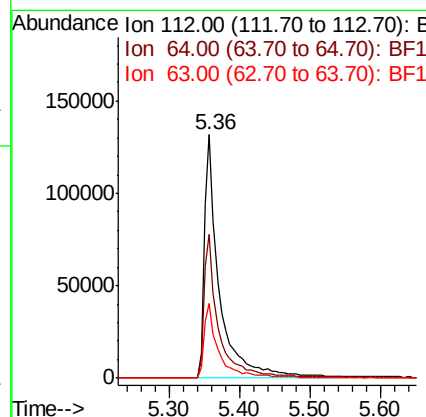
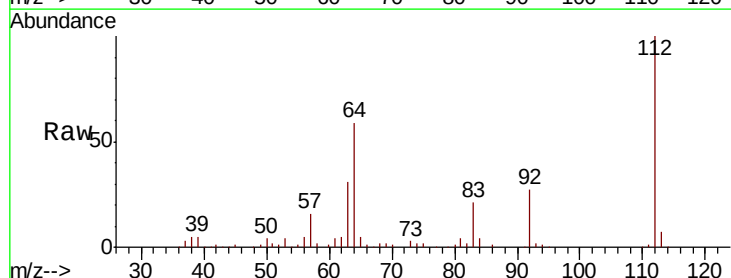
mohammad
10/31/2019 3:10:42 PM

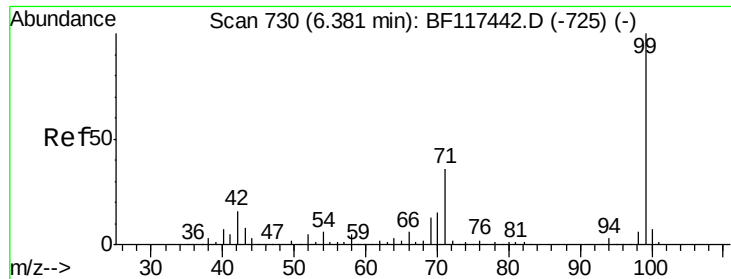


#5

2-Fluorophenol
Concen: 72.085 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	44.1	66.1
63	30.6	23.4	35.2





#7

Phenol-d6

Concen: 76.912 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117624.D

Acq: 30 Oct 2019 15:05

Instrument :

BNA_F

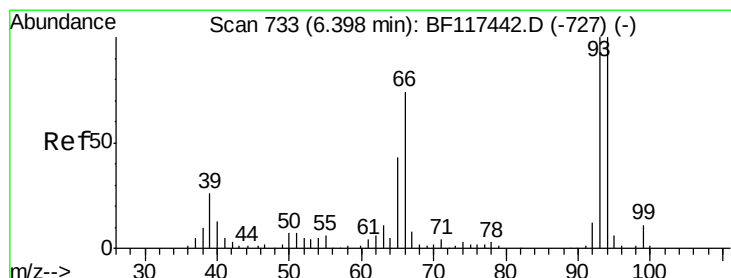
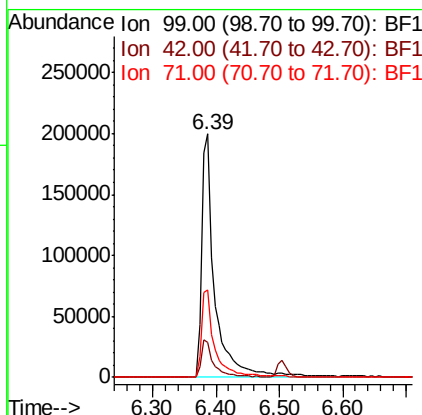
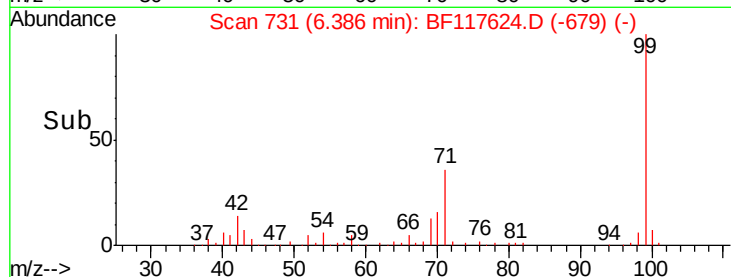
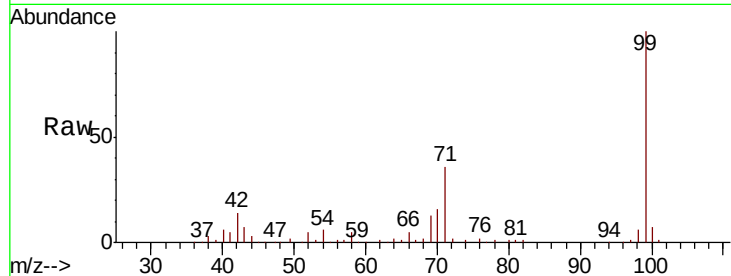
ClientSampleId :

200-64-(0-1)

Tot Ion:	99	Resp:	284769
Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.8	19.2
71	35.7	28.6	43.0

Manual Integrations
APPROVED

mohammad
10/31/2019 3:10:42 PM



#10

Phenol

Concen: 2.049 ng

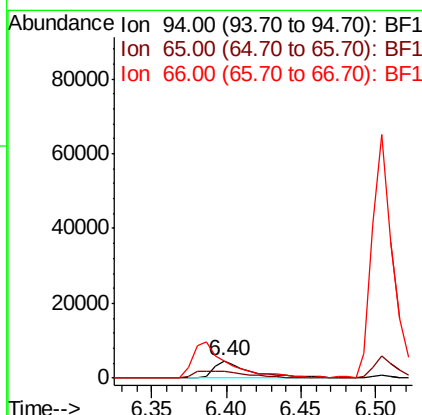
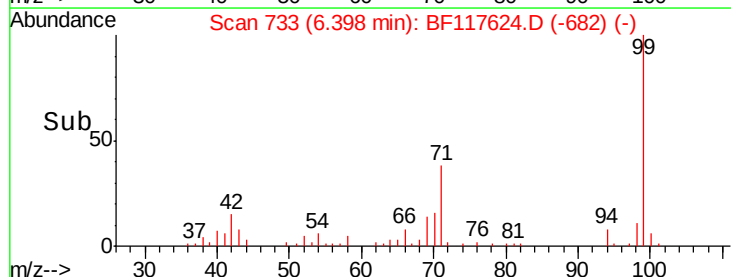
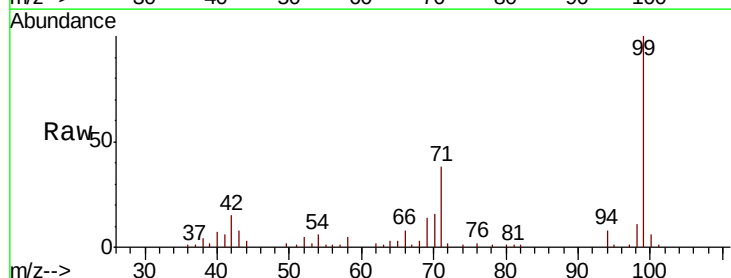
RT: 6.40 min Scan# 733

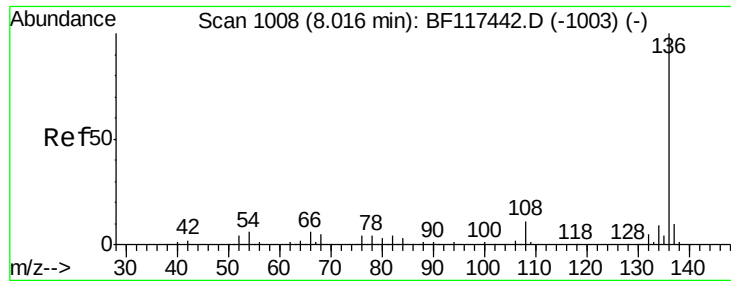
Delta R.T. -0.00 min

Lab File: BF117624.D

Acq: 30 Oct 2019 15:05

Tgt Ion:	94	Resp:	7744
Ion	Ratio	Lower	Upper
94	100		
65	42.4	23.4	63.4
66	98.1	54.7	94.7#





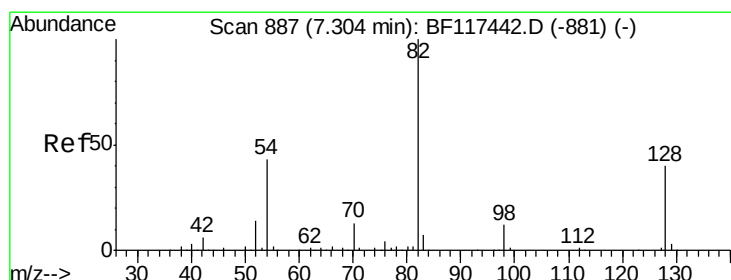
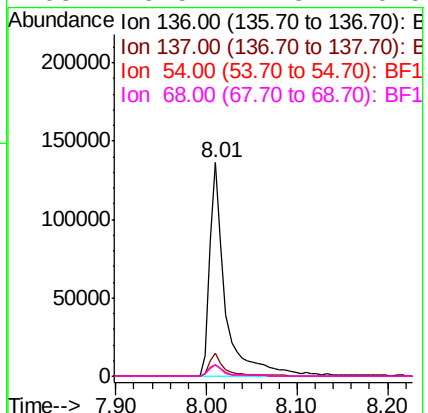
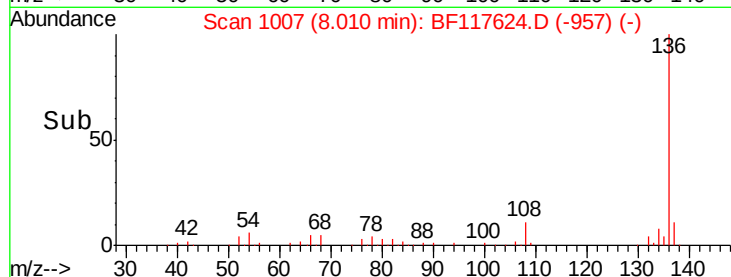
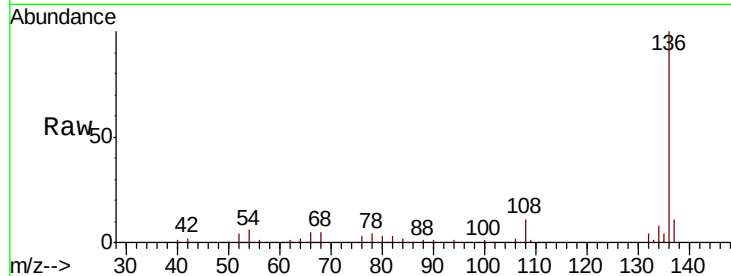
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9	8.2	12.4		
54	5.6	4.5	6.7		
68	5.5	4.3	6.5		

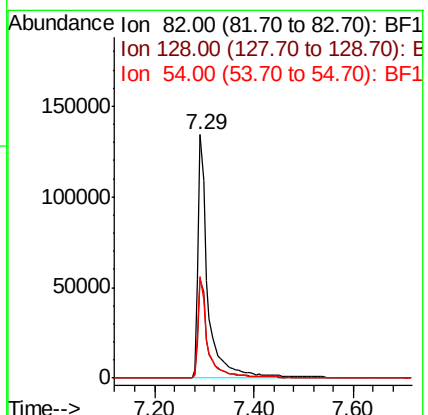
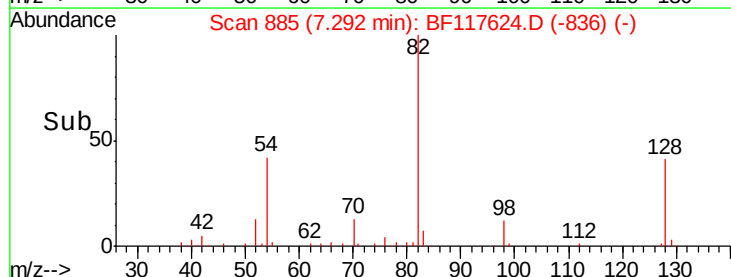
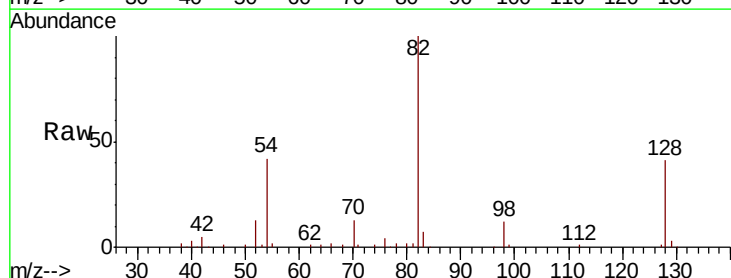
Manual Integrations
APPROVED

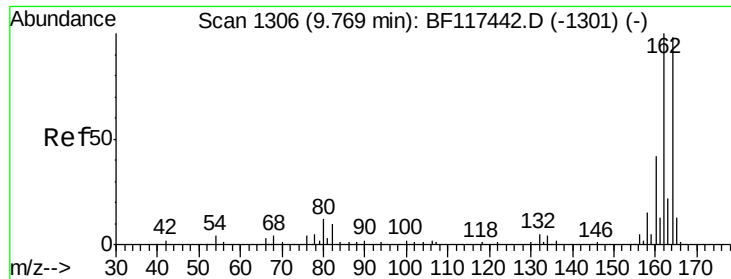
mohammad
10/31/2019 3:10:42 PM



#23
Nitrobenzene-d5
Concen: 55.236 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.6	32.2	48.2		
54	42.0	34.2	51.2		





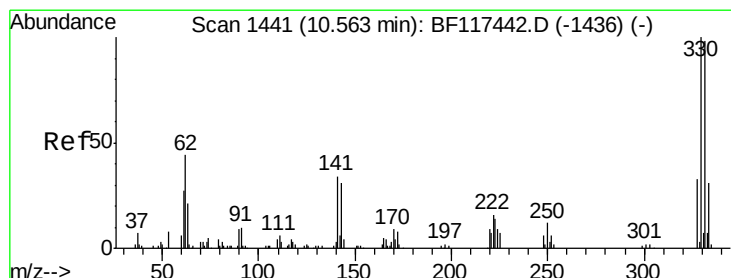
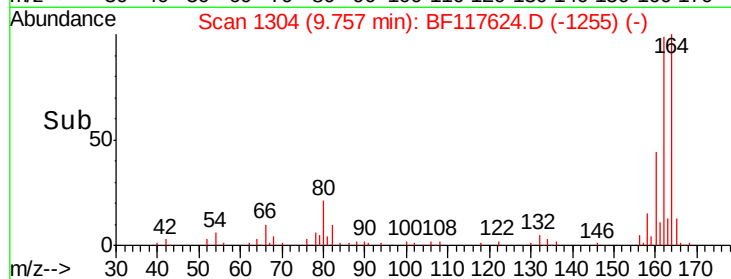
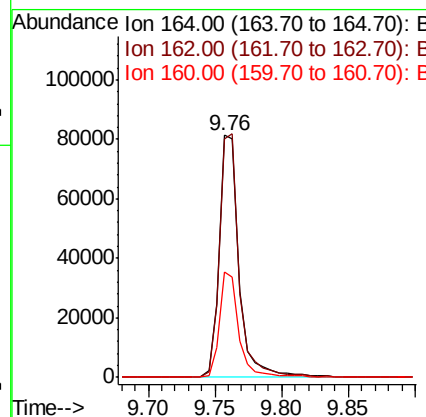
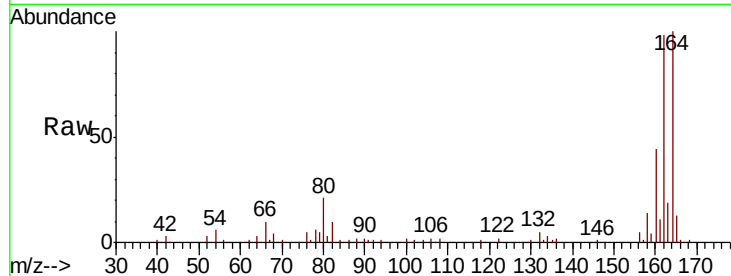
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.4	81.8	122.6
160	43.7	34.4	51.6

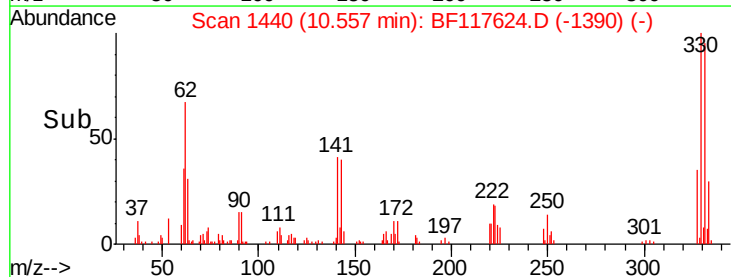
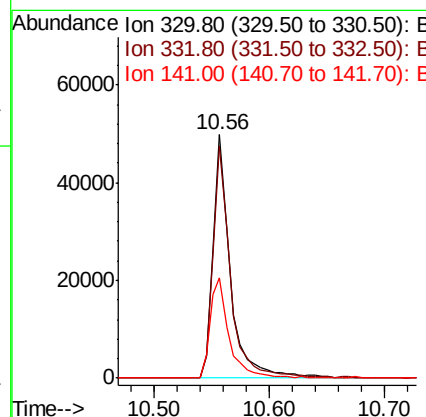
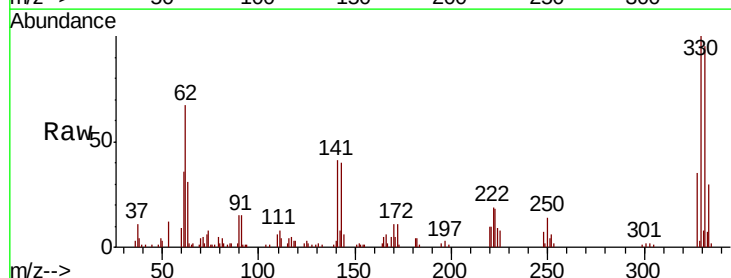
Manual Integrations
APPROVED

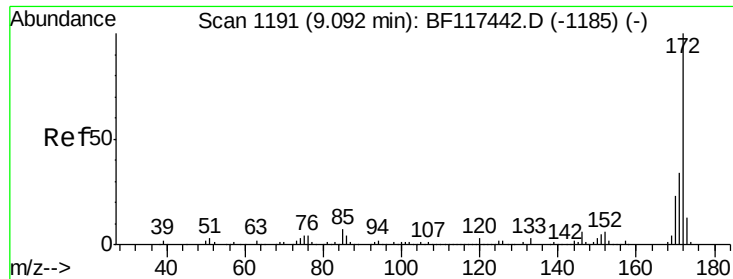
mohammad
10/31/2019 3:10:42 PM



#42
2,4,6-Tribromophenol
Concen: 69.737 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.5	117.7
141	45.6	37.0	55.6





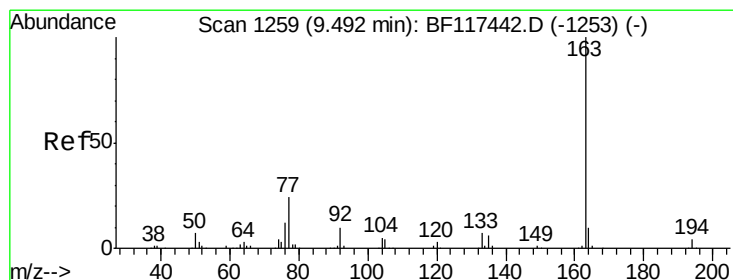
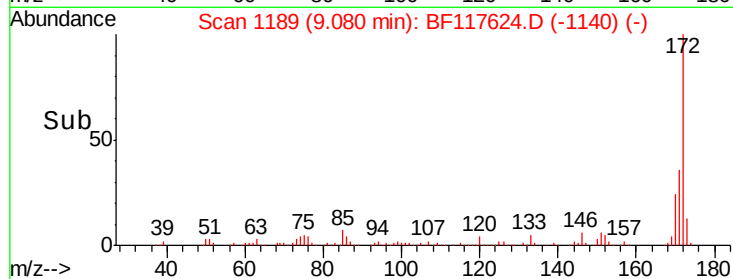
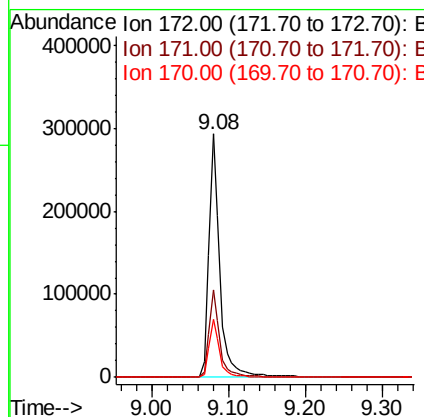
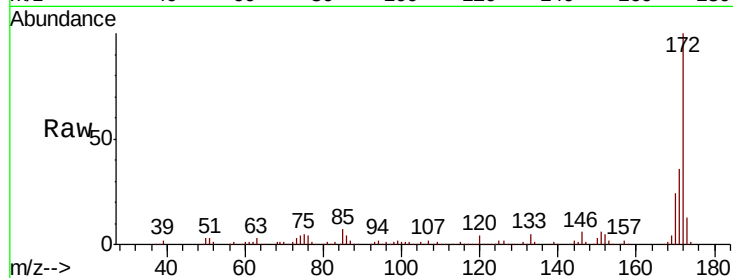
#45
2-Fluorobiphenyl
Concen: 47.733 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	290437		
171	36.1		27.5	41.3
170	23.6		18.6	27.8

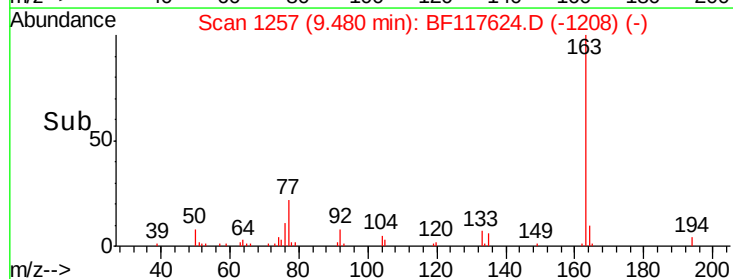
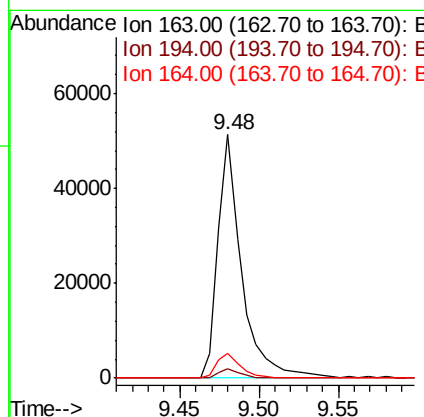
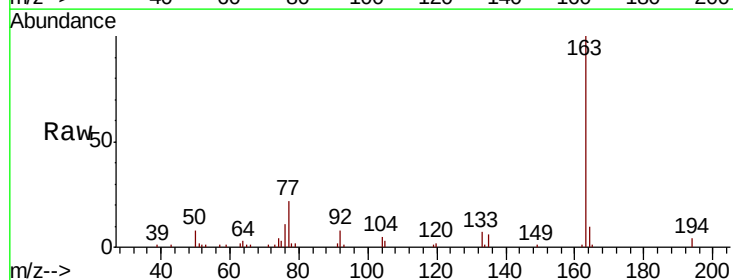
Manual Integrations
APPROVED

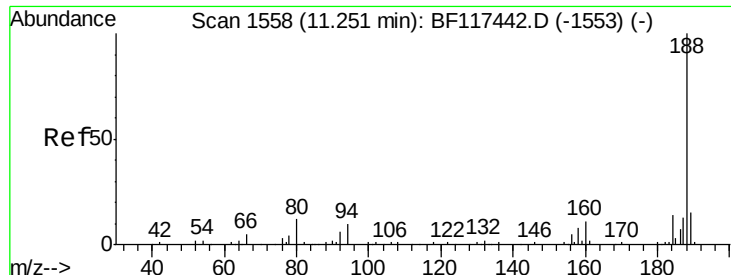
mohammad
10/31/2019 3:10:42 PM



#50
Dimethylphthalate
Concen: 8.718 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	53281		
194	4.1		2.9	4.3
164	10.3		8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117624.D

Acq: 30 Oct 2019 15:05

Instrument :

BNA_F

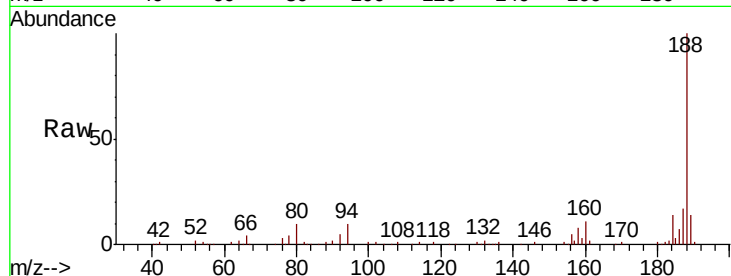
ClientSampleId :

200-64-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	129656		
94	9.5	8.0	12.0	
80	10.3	9.5	14.3	

Manual Integrations
APPROVED

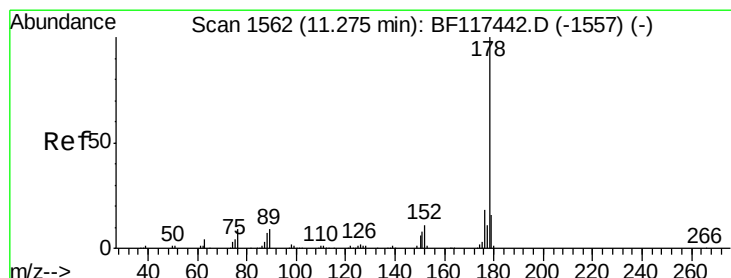
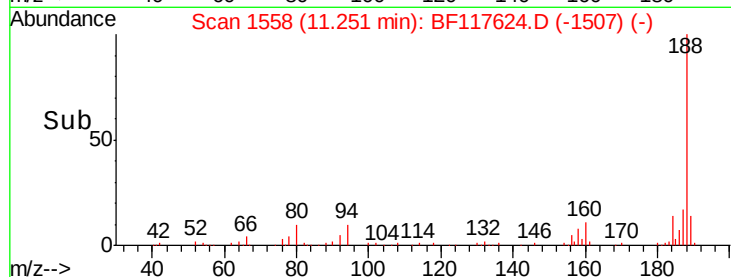
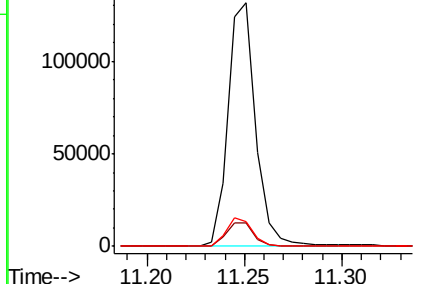
mohammad
10/31/2019 3:10:42 PM



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: 25.464 ng

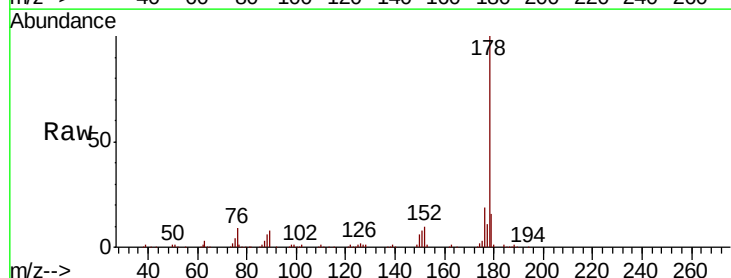
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117624.D

Acq: 30 Oct 2019 15:05

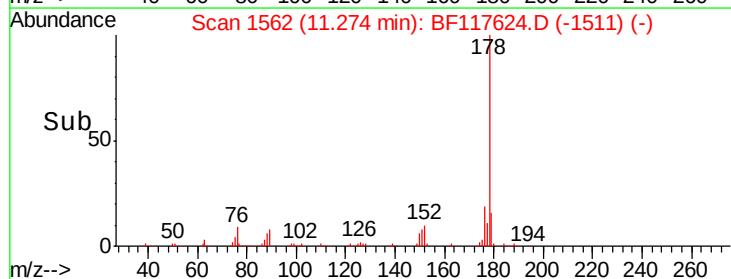
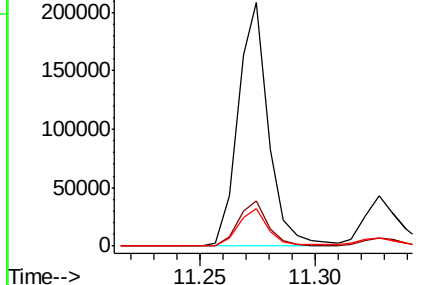
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	191706		
176	18.7	14.6	22.0	
179	15.6	12.6	19.0	

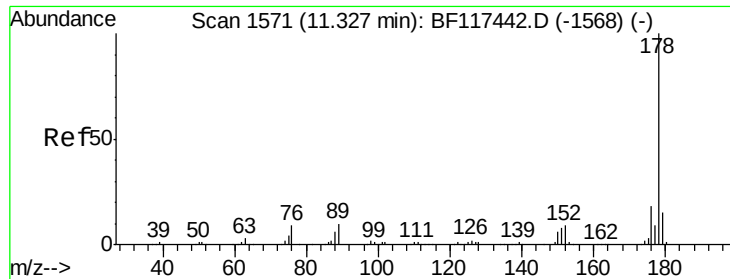


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





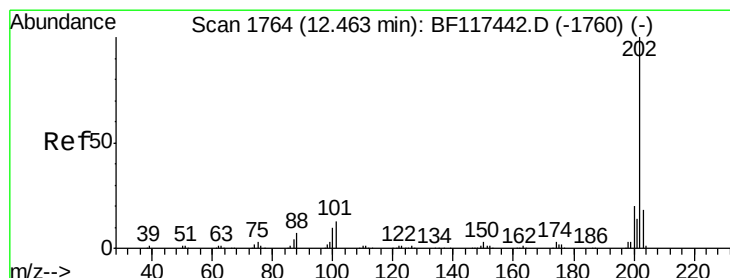
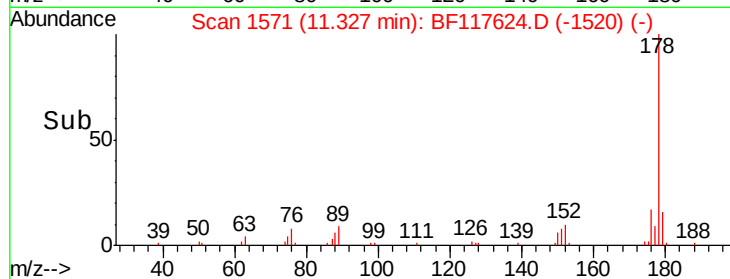
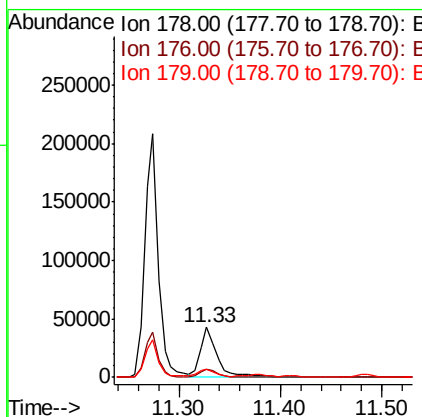
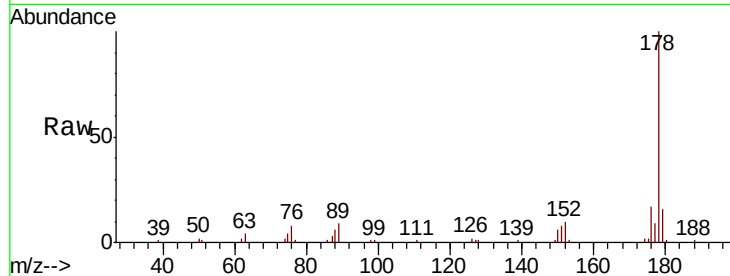
#72
 Anthracene
 Concen: 6.565 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF117624.D
 Acq: 30 Oct 2019 15:05

Instrument :
 BNA_F
 ClientSampleID :
 200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.7	22.1
179	15.8	12.2	18.2

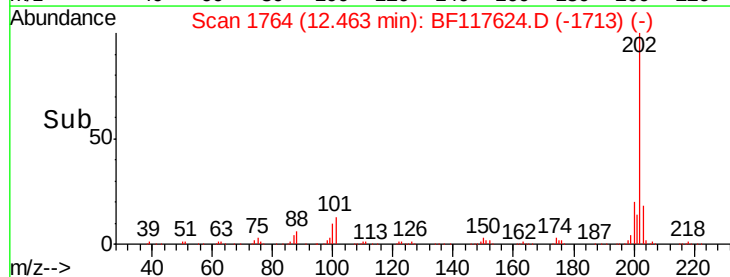
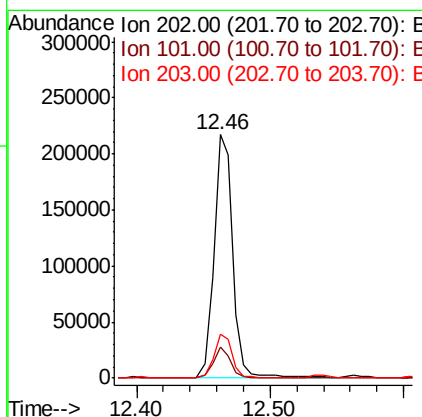
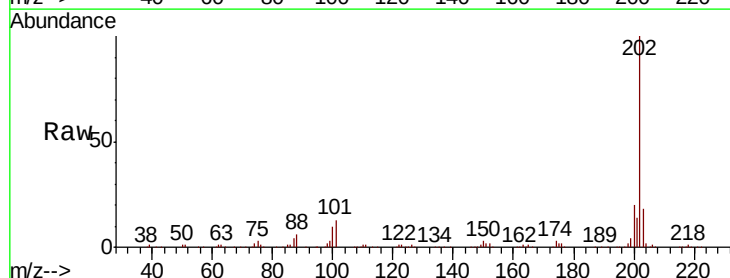
Manual Integrations
 APPROVED

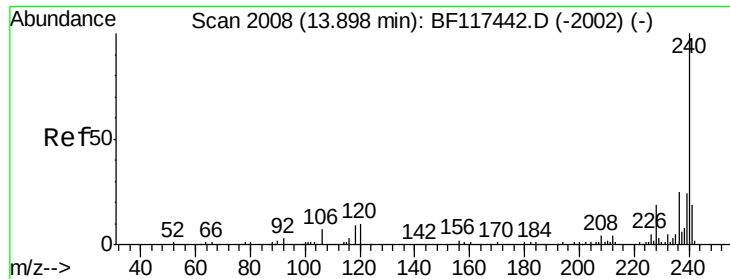
mohammad
 10/31/2019 3:10:42 PM



#75
 Fluoranthene
 Concen: 28.519 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117624.D
 Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.7
203	18.0	0.0	37.6





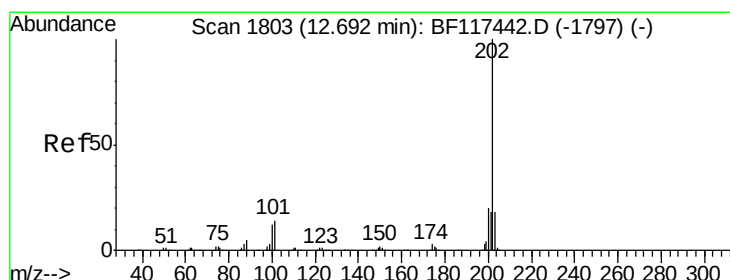
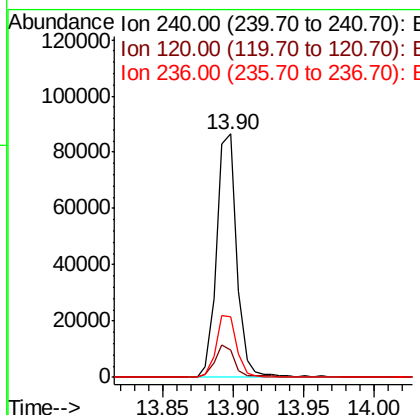
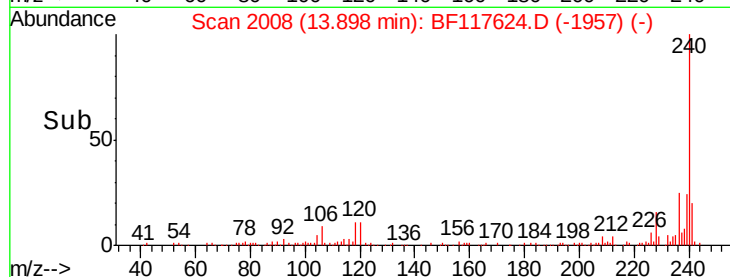
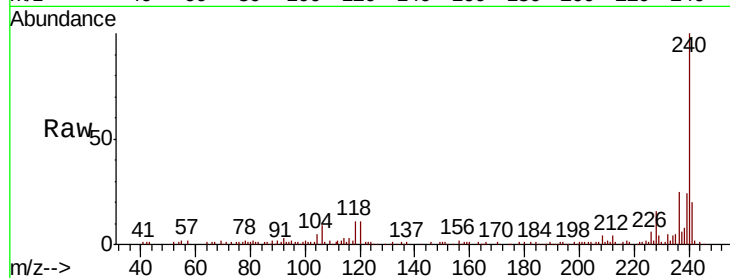
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	24.9	20.0	30.0

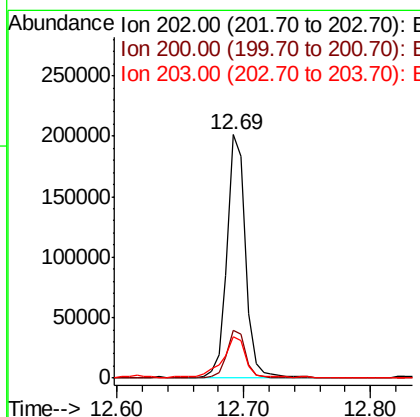
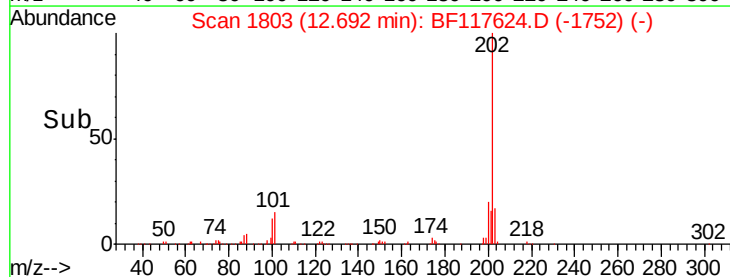
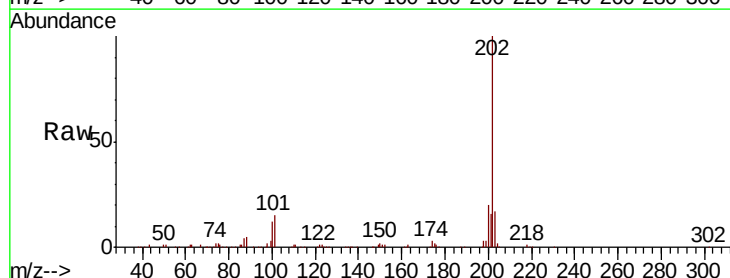
Manual Integrations
APPROVED

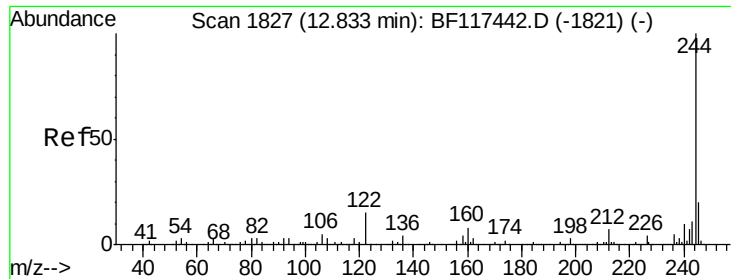
mohammad
10/31/2019 3:10:42 PM



#78
Pyrene
Concen: 27.148 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.2	24.2
203	17.2	14.0	21.0





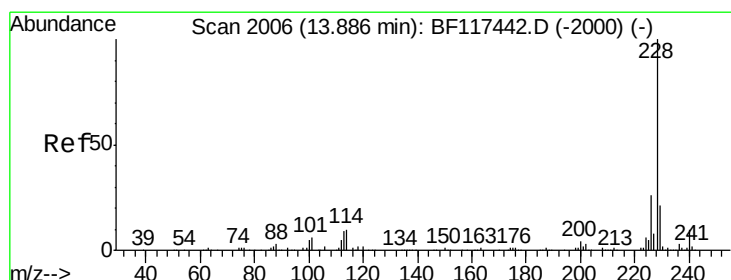
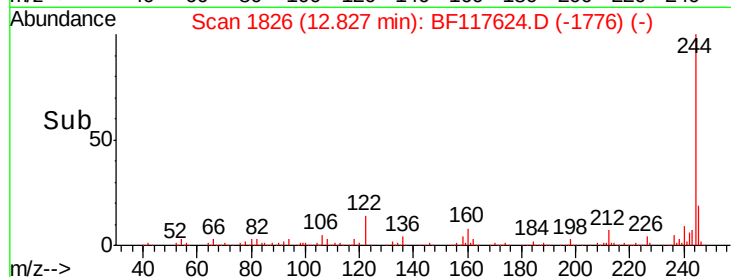
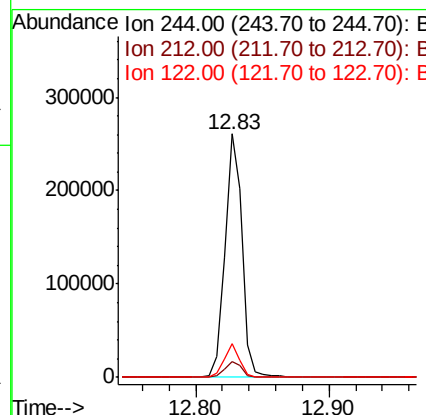
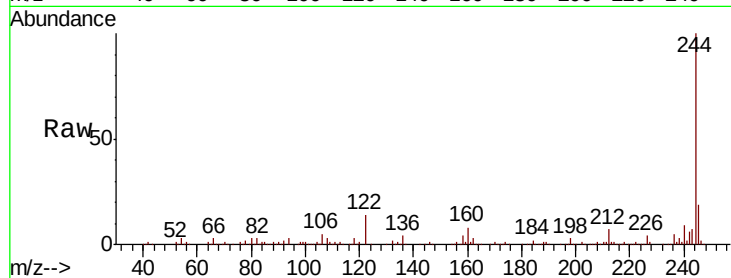
#79
 Terphenyl-d14
 Concen: 44.547 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117624.D
 Acq: 30 Oct 2019 15:05

Instrument :
 BNA_F
 ClientSampleId :
 200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	13.8	11.8	17.8

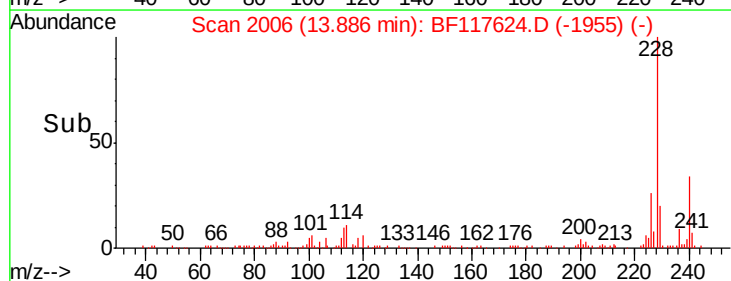
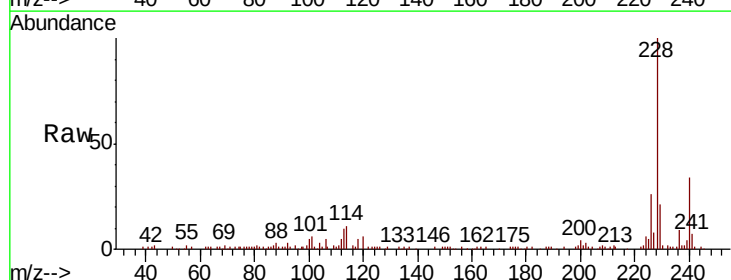
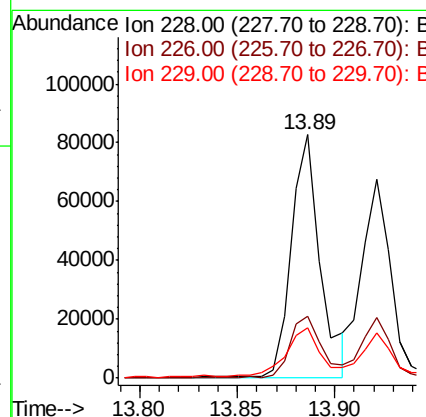
Manual Integrations
 APPROVED

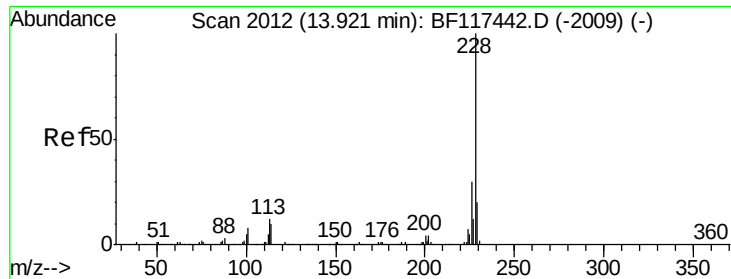
mohammad
 10/31/2019 3:10:42 PM



#81
 Benzo(a)anthracene
 Concen: 14.730 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117624.D
 Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.5	21.0	31.4
229	20.5	16.4	24.6





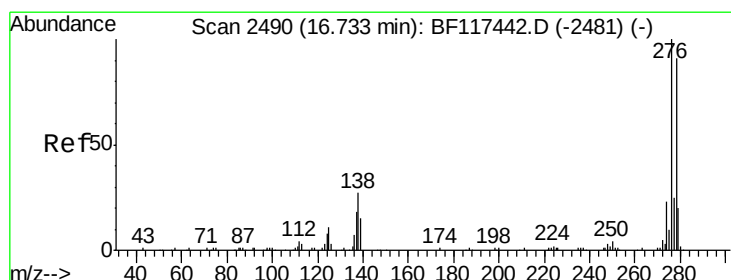
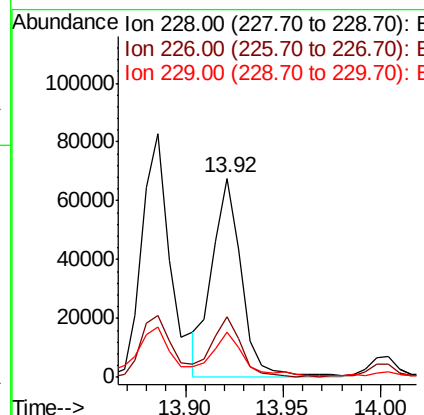
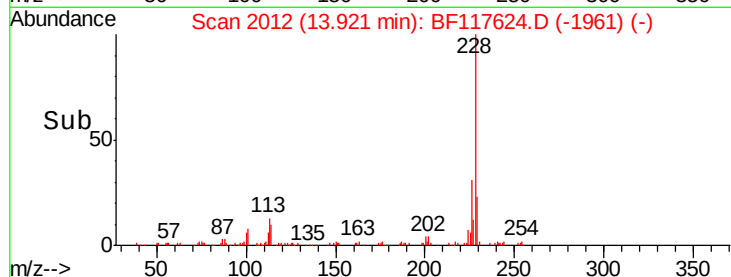
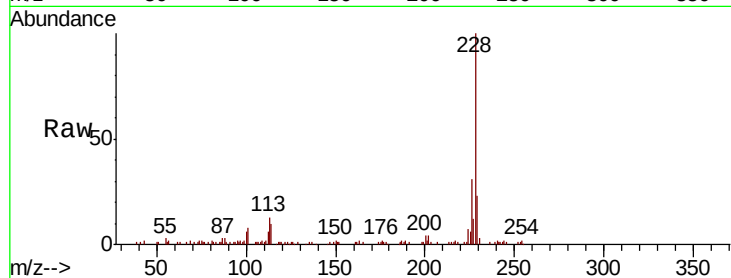
#83
Chrysene
Concen: 12.387 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	22.5	15.8	23.6

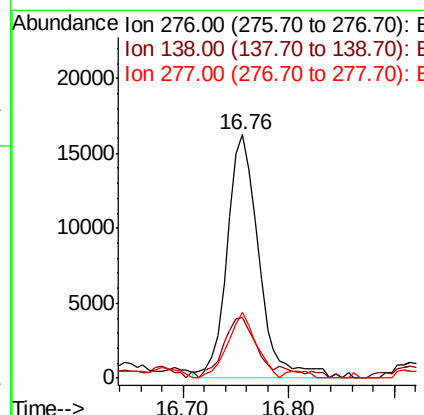
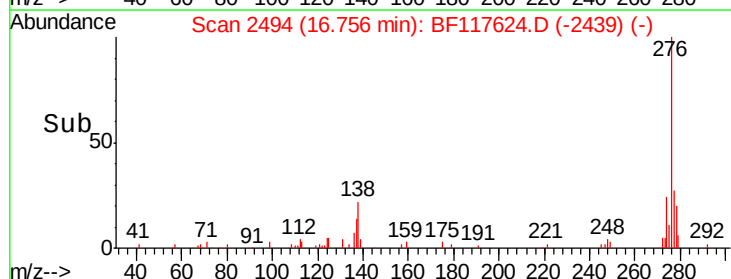
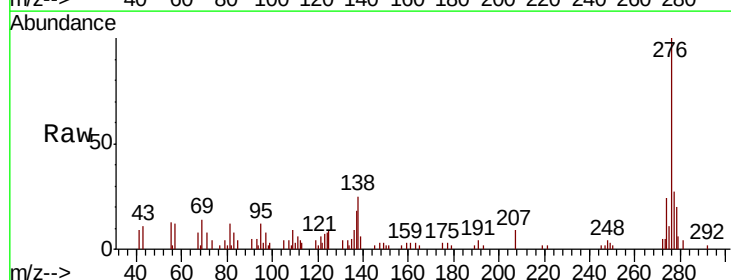
Manual Integrations
APPROVED

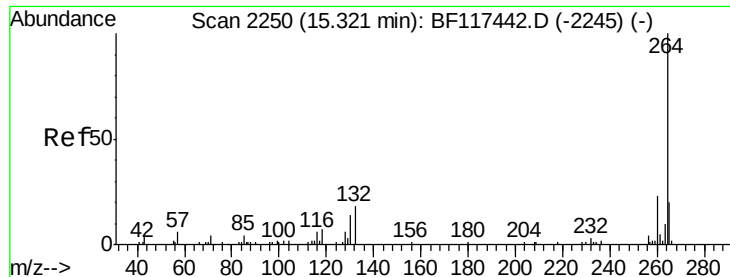
mohammad
10/31/2019 3:10:42 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.965 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	21.8	32.8
277	24.0	20.0	30.0





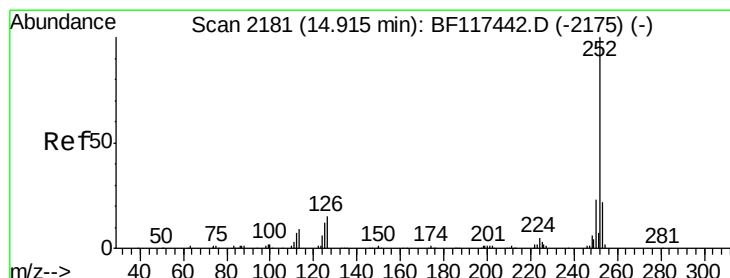
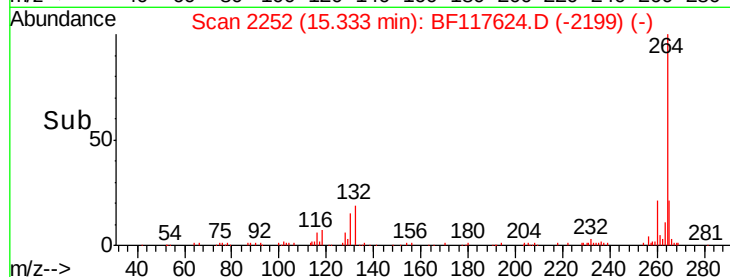
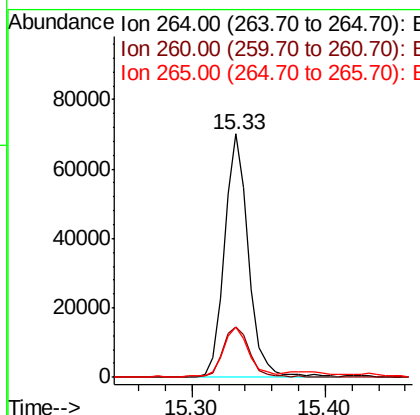
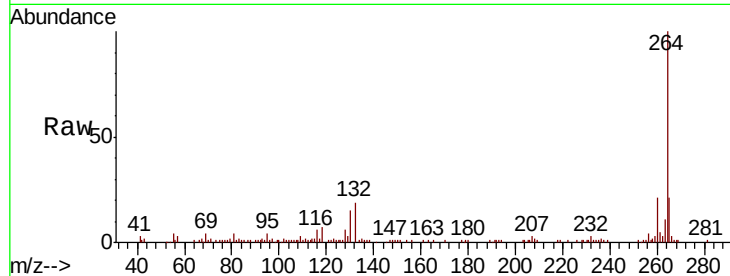
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :
200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.6	18.4	27.6
265	20.8	16.1	24.1

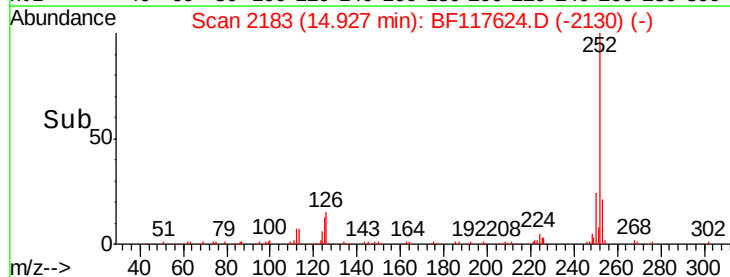
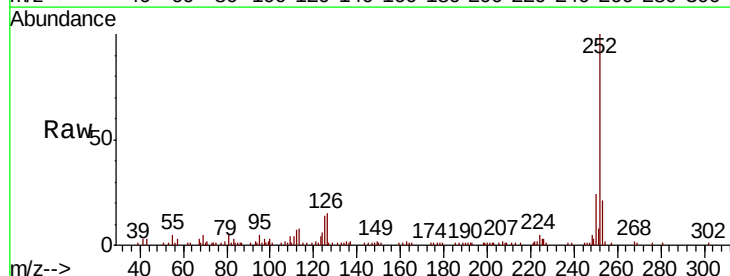
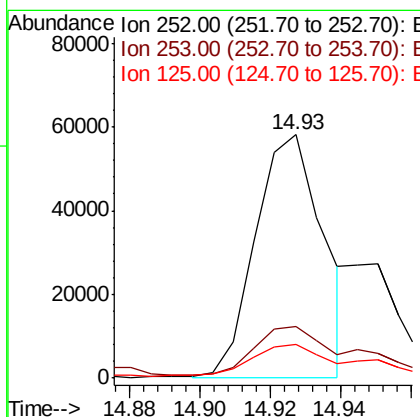
Manual Integrations
APPROVED

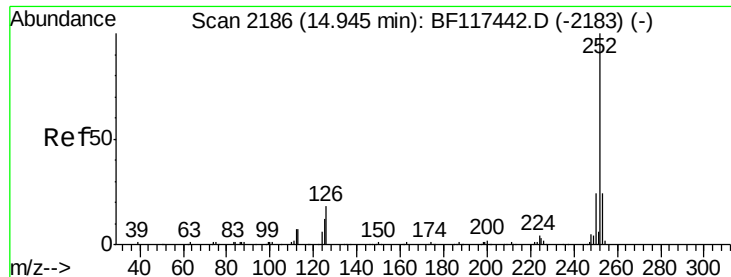
mohammad
10/31/2019 3:10:42 PM



#88
Benzo(b)fluoranthene
Concen: 14.810 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	13.9	9.9	14.9





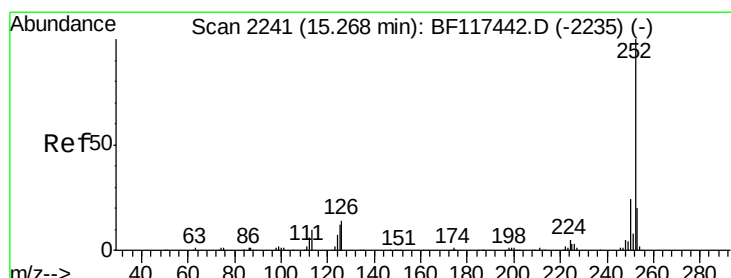
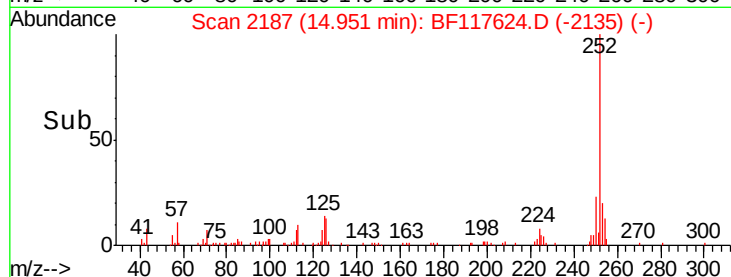
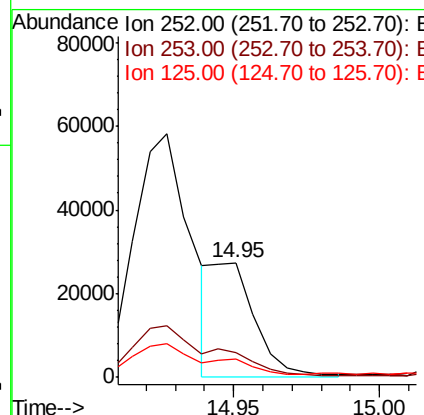
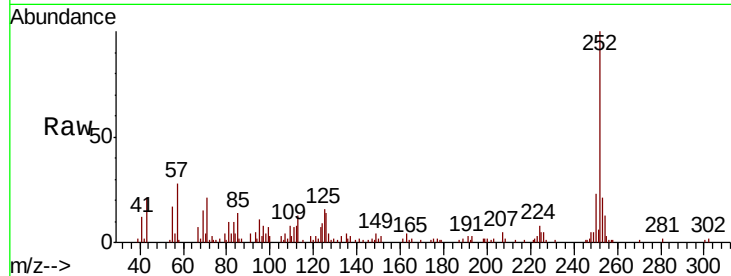
#89
Benzo(k)fluoranthene
Concen: 5.279 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Instrument :
BNA_F
ClientSampled :
200-64-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	15.9	8.9	13.3

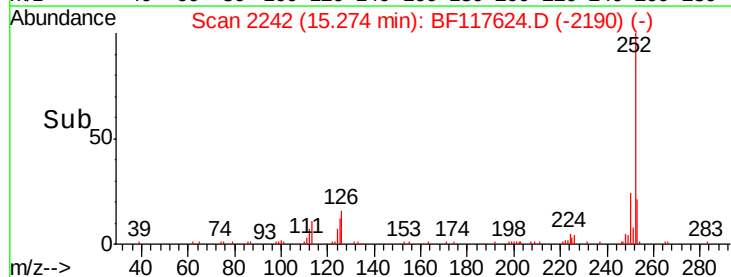
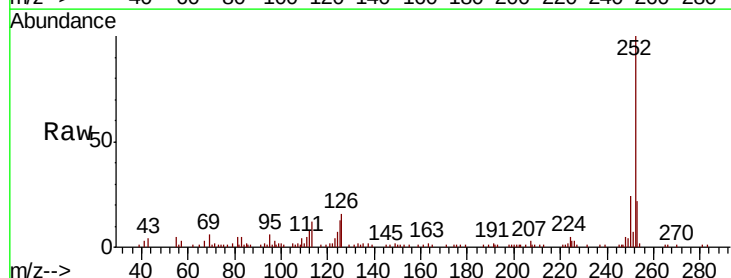
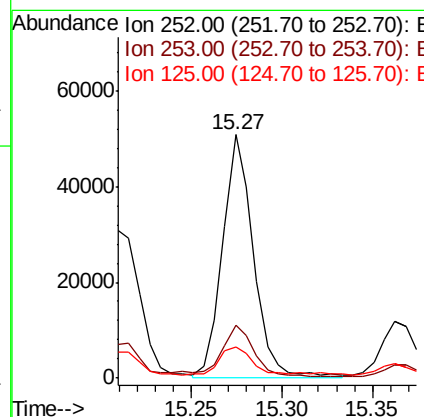
Manual Integrations
APPROVED

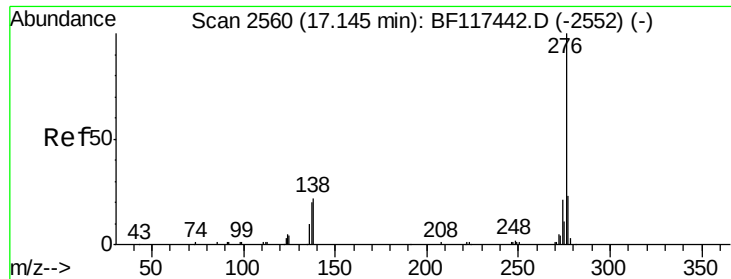
mohammad
10/31/2019 3:10:42 PM



#90
Benzo(a)pyrene
Concen: 12.744 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117624.D
Acq: 30 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.3	24.5
125	12.6	9.2	13.8





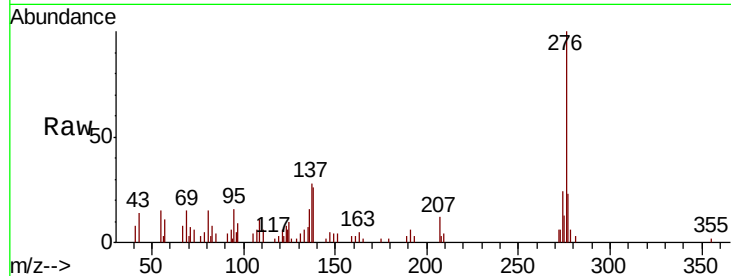
#92
 Benzo(a,h,i)perylene
 Concen: 7.513 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.04 min
 Lab File: BF117624.D
 Acq: 30 Oct 2019 15:05

Instrument :
 BNA_F
 ClientSampleId :
 200-64-(0-1)

Tot Ion:	276	Resp:	29211
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.4	27.6
138	25.6	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/31/2019 3:10:42 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

