

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117498.D
 Acq On : 23 Oct 2019 22:04
 Operator : JU
 Sample : K5494-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-2FT

Manual Integrations
 APPROVED

mohammad
 10/24/2019 2:11:00 PM

Quant Time: Oct 24 09:06:27 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	42671	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	170137	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	87438	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	136149	20.00	ng	0.00
76) Chrysene-d12	13.89	240	81186	20.00	ng	0.00
87) Perylene-d12	15.32	264	91547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	256565	89.45	ng	0.00
7) Phenol-d6	6.38	99	363164	94.27	ng	0.00
23) Nitrobenzene-d5	7.30	82	231005	67.03	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	66973	88.52	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	371614	59.88	ng	0.00
79) Terphenyl-d14	12.83	244	289628	58.19	ng	0.00
Target Compounds						
10) Phenol	6.39	94	8435	2.145	ng	97
50) Dimethylphthalate	9.48	163	45915	7.366	ng	100
75) Fluoranthene	12.46	202	35292	4.459	ng	98
78) Pyrene	12.69	202	32310	4.633	ng	98
81) Benzo(a)anthracene	13.88	228	18530	3.384	ng	98
83) Chrysene	13.92	228	16347	3.046	ng	94
86) Indeno(1,2,3-cd)pyrene	16.73	276	9441	2.356	ng	94
88) Benzo(b)fluoranthene	14.92	252	21819m	4.036	ng	
89) Benzo(k)fluoranthene	14.93	252	11412m	2.060	ng	
90) Benzo(a)pyrene	15.27	252	18886	3.842	ng	# 93

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

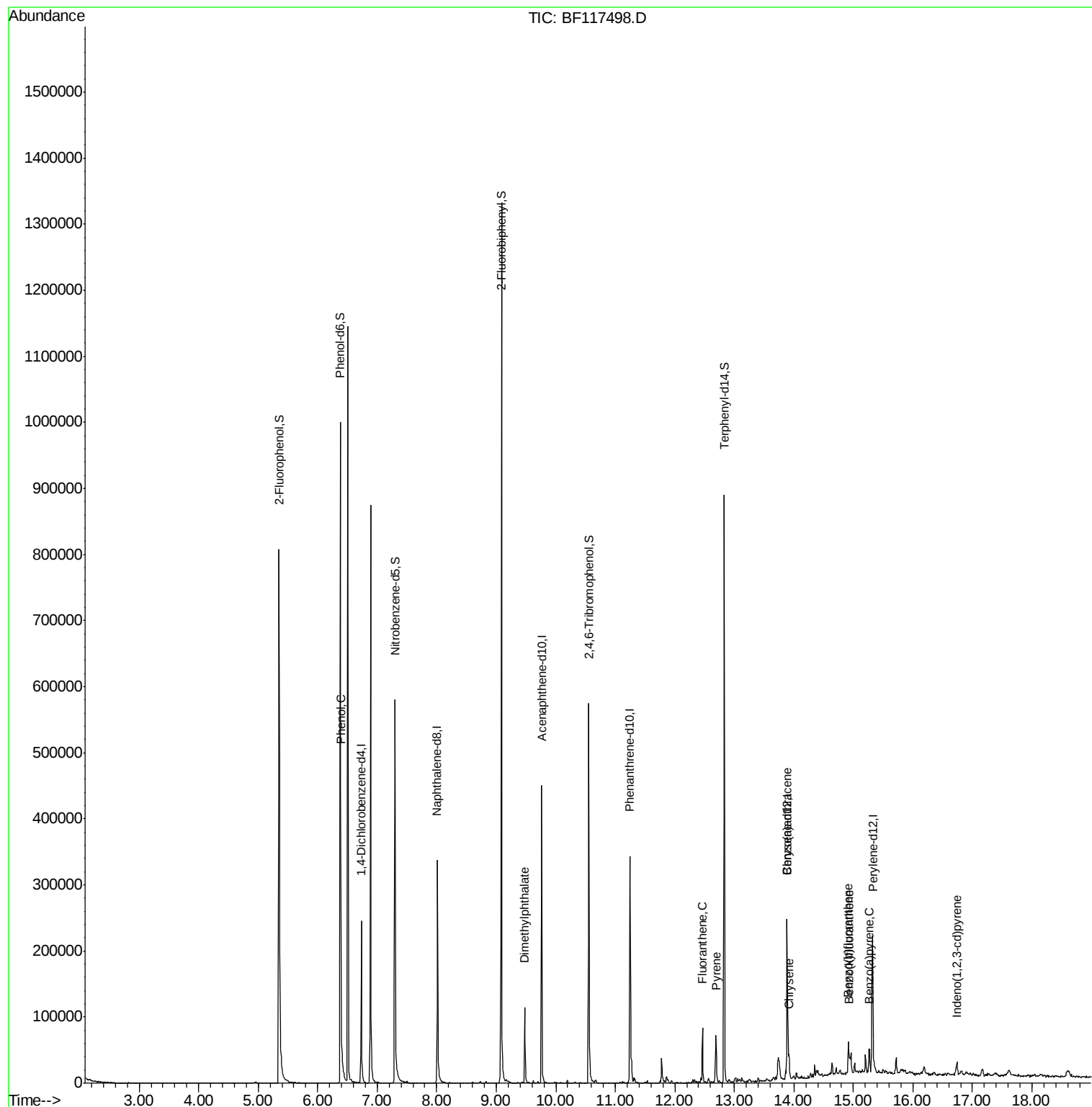
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
Data File : BF117498.D
Acq On : 23 Oct 2019 22:04
Operator : JU
Sample : K5494-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Manual Integrations
APPROVED

mohammad
10/24/2019 2:11:00 PM

Quant Time: Oct 24 09:06:27 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

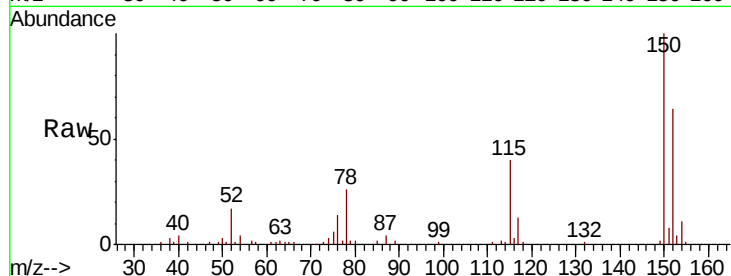
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.8	190.2
115	61.9	51.6	77.4

Manual Integrations
APPROVED

mohammad
10/24/2019 2:11:00 PM

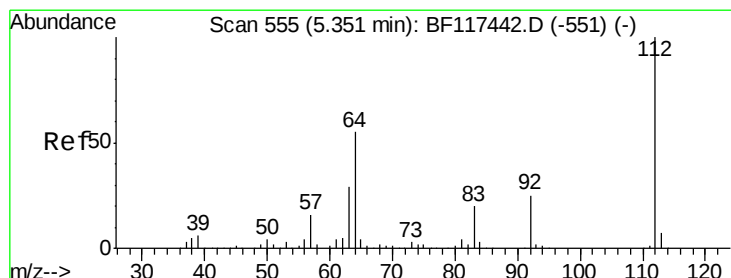
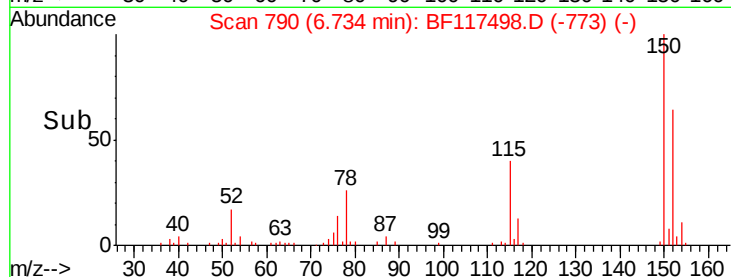
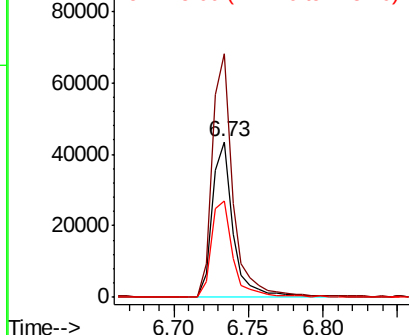


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

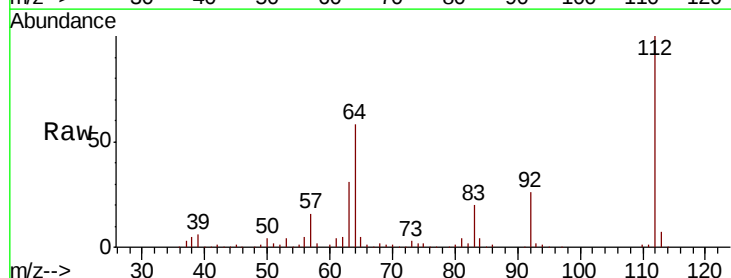
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.450 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	30.9	23.4	35.2

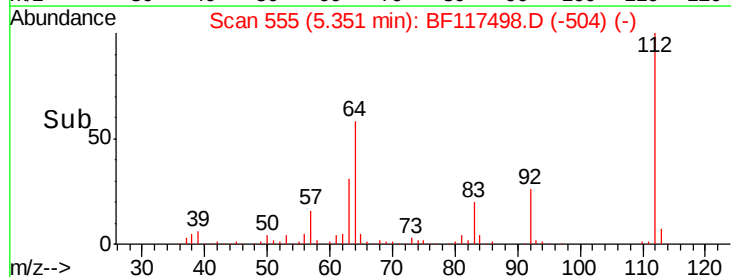
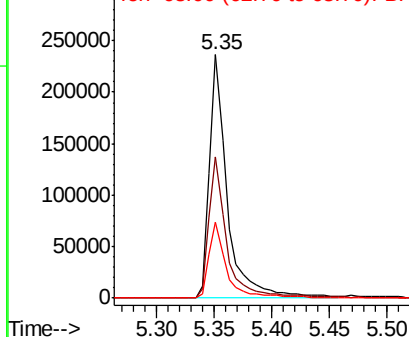


Abundance

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: 94.270 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

Instrument :

BNA_F

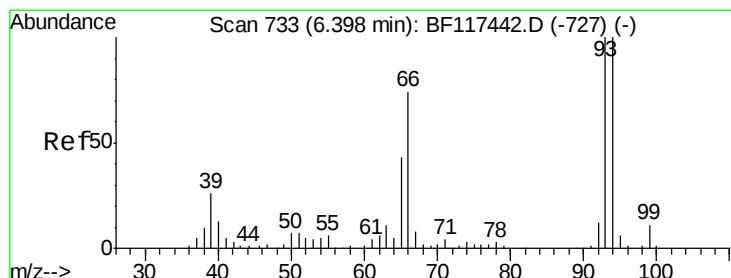
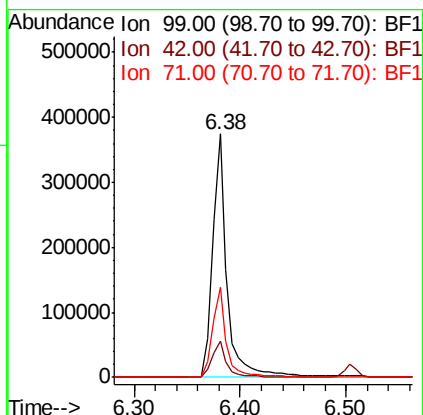
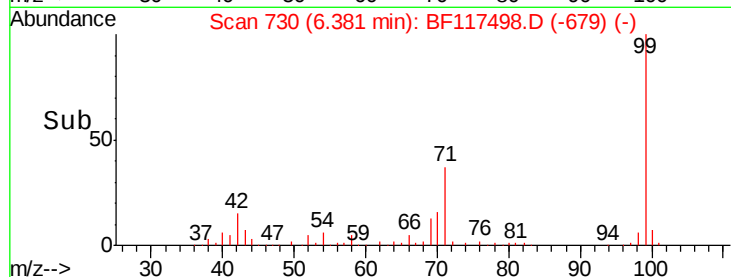
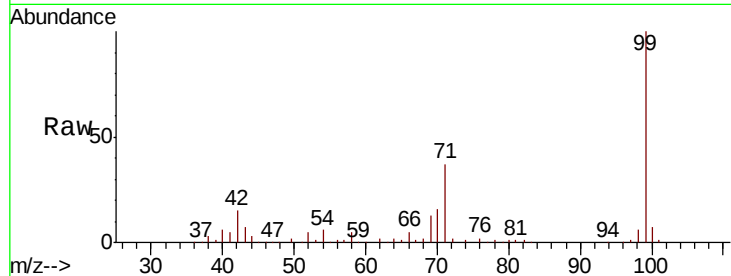
ClientSampled :

TP2-2FT

Tot Ion:	99	Resp:	363164
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.8	19.2
71	36.7	28.6	43.0

Manual Integrations
APPROVED

mohammad
10/24/2019 2:11:00 PM



#10

Phenol

Concen: 2.145 ng

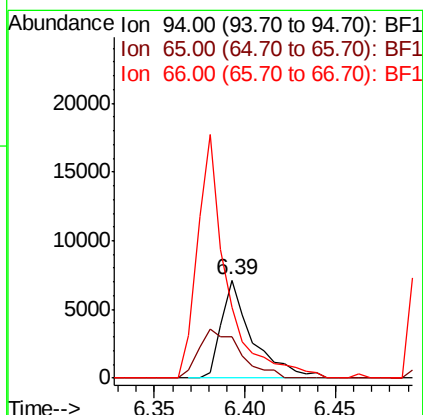
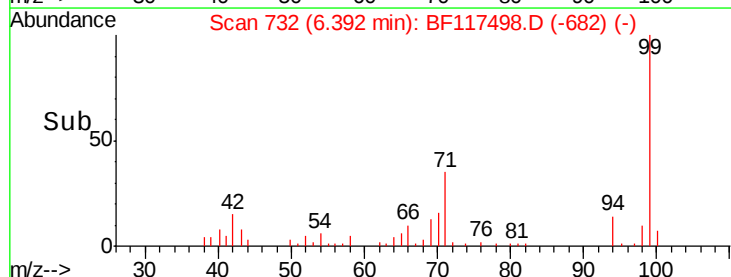
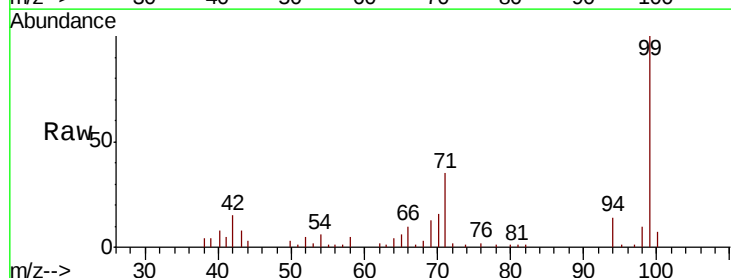
RT: 6.39 min Scan# 732

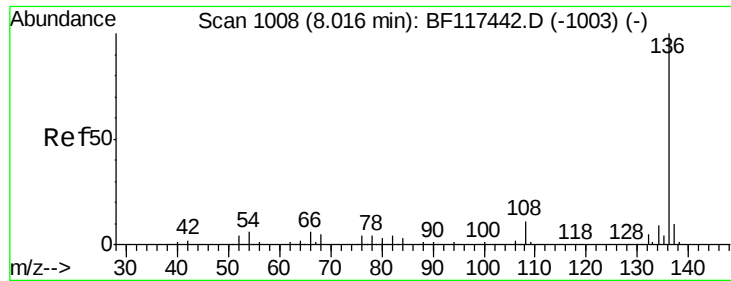
Delta R.T. -0.01 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

Tgt Ion:	94	Resp:	8435
Ion Ratio	Lower	Upper	
94	100		
65	42.0	23.4	63.4
66	71.7	54.7	94.7





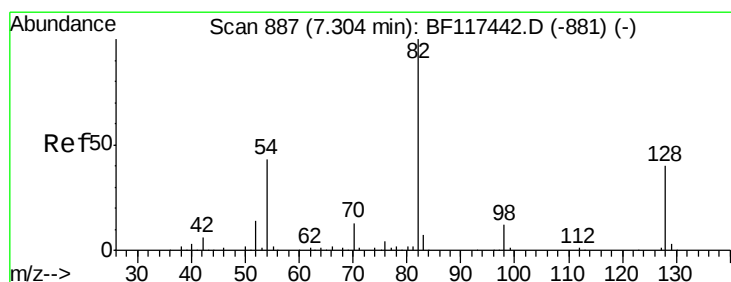
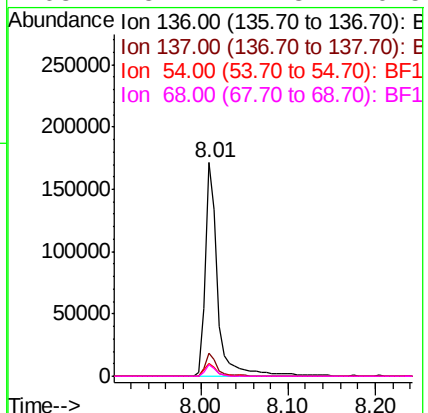
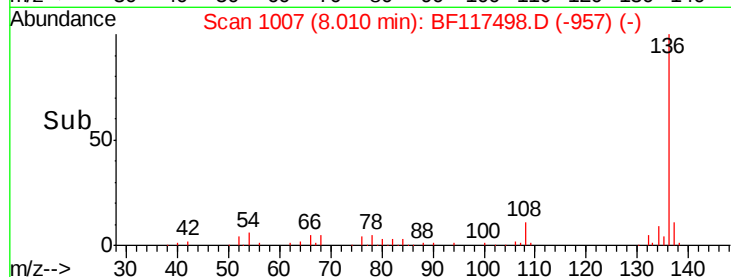
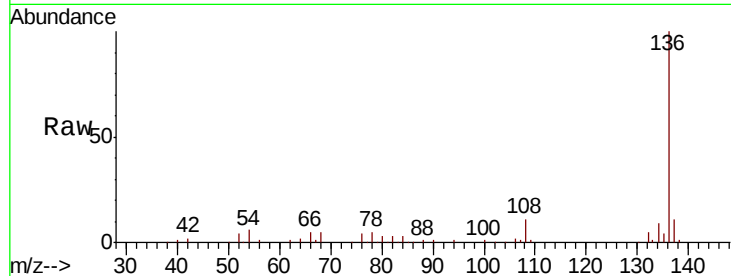
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tot Ion	Ratio	Resp	Lower	Upper
136	100	170137		
137	10.5	8.2	12.4	
54	5.9	4.5	6.7	
68	5.1	4.3	6.5	

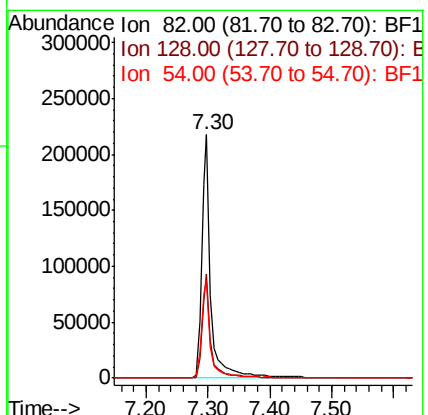
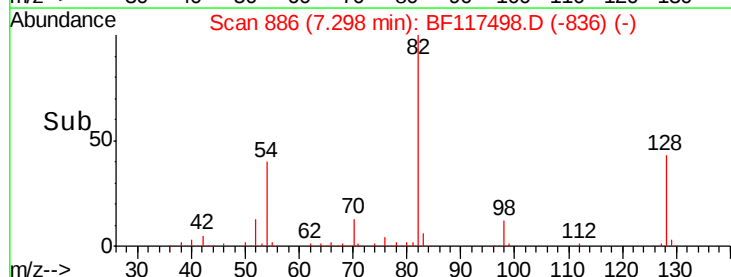
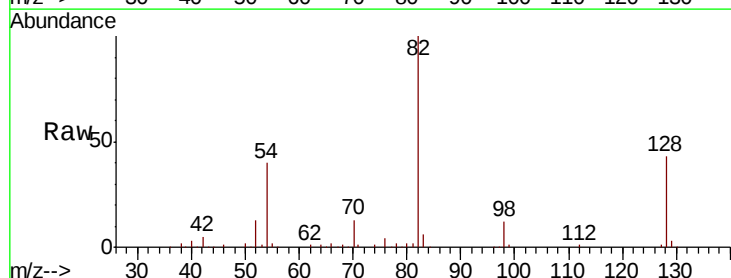
Manual Integrations
APPROVED

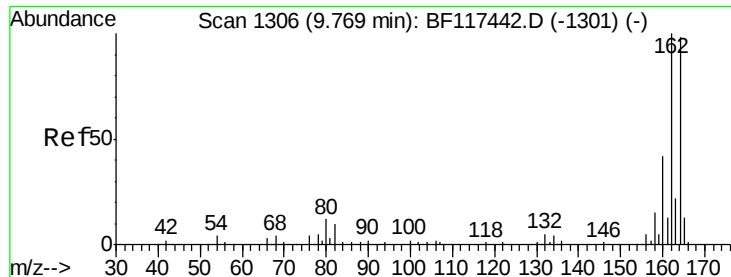
mohammad
10/24/2019 2:11:00 PM



#23
Nitrobenzene-d5
Concen: 67.030 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	231005		
128	42.5	32.2	48.2	
54	40.3	34.2	51.2	





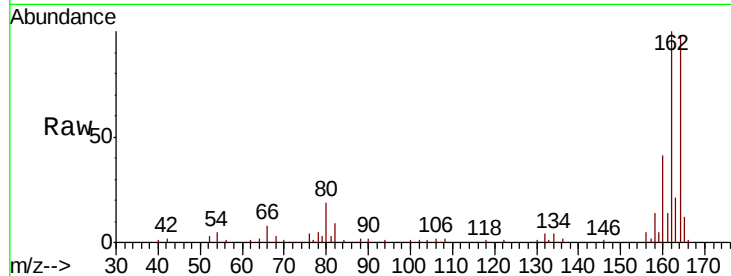
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Instrument :
 BNA_F
 ClientSampleId :
 TP2-2FT

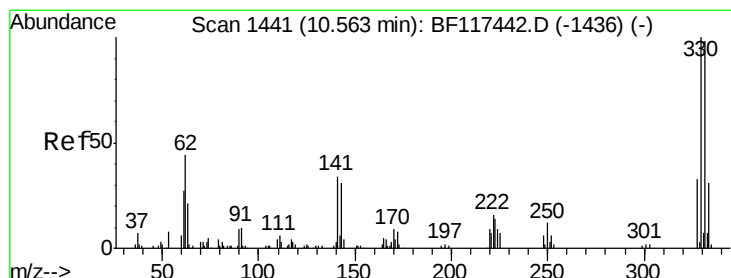
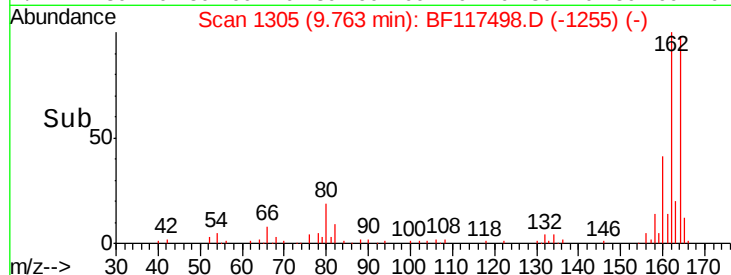
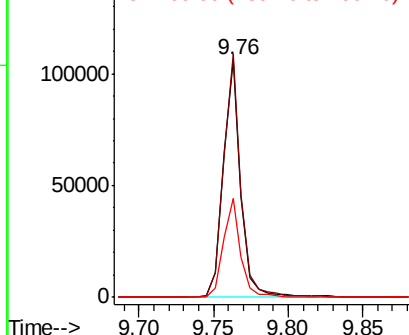
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	41.6	34.4	51.6

Manual Integrations
 APPROVED

mohammad
 10/24/2019 2:11:00 PM



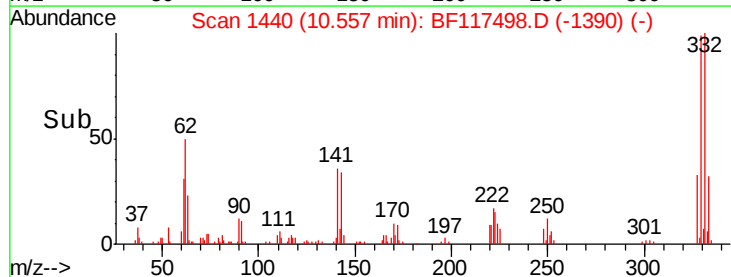
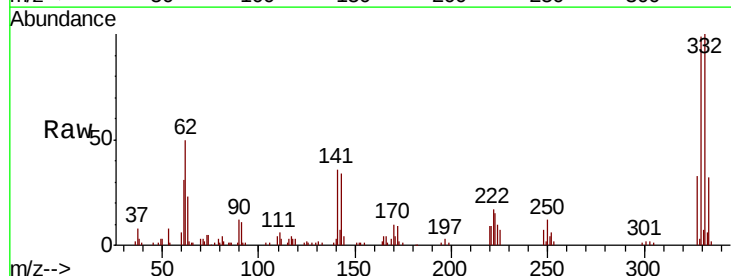
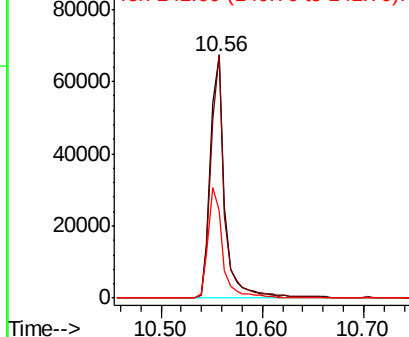
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 88.523 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.5	117.7
141	45.1	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





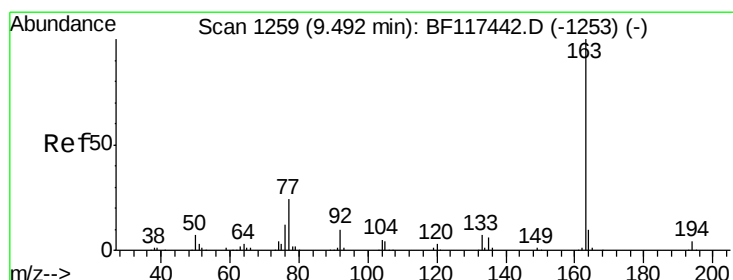
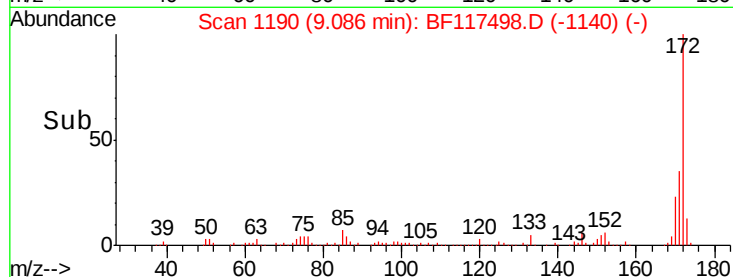
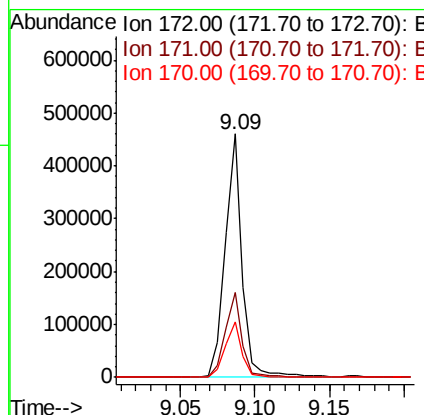
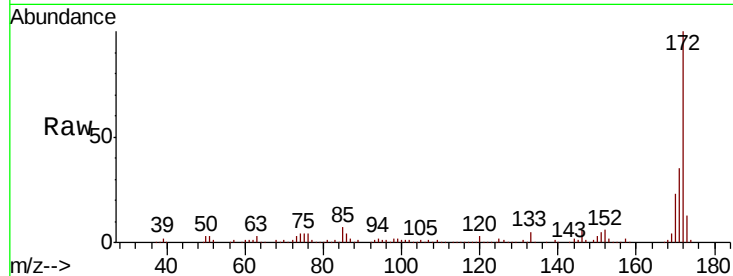
#45
2-Fluorobiphenyl
Concen: 59.882 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	22.7	18.6	27.8

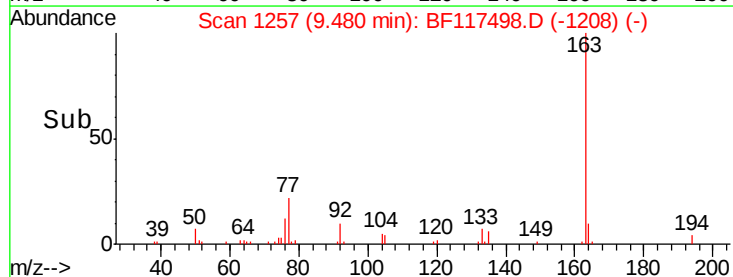
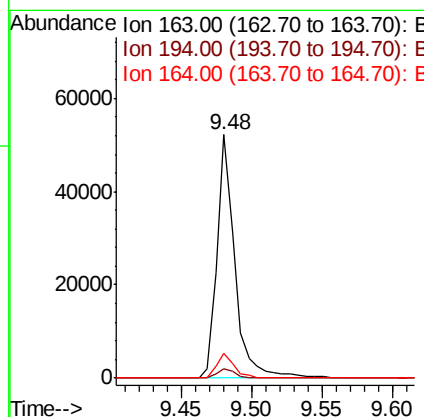
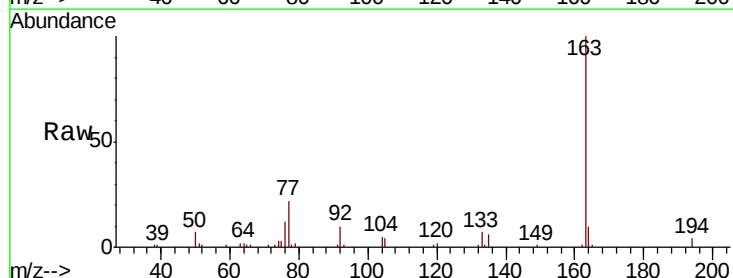
Manual Integrations
APPROVED

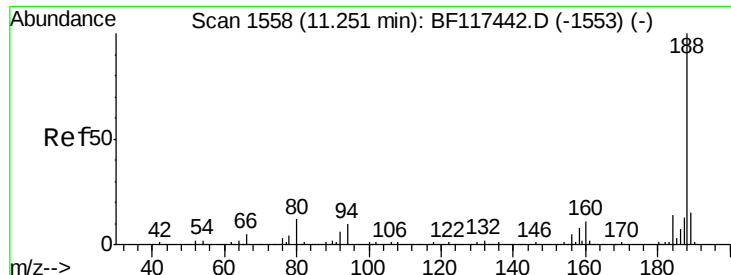
mohammad
10/24/2019 2:11:00 PM



#50
Dimethylphthalate
Concen: 7.366 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	10.2	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

Instrument :

BNA_F

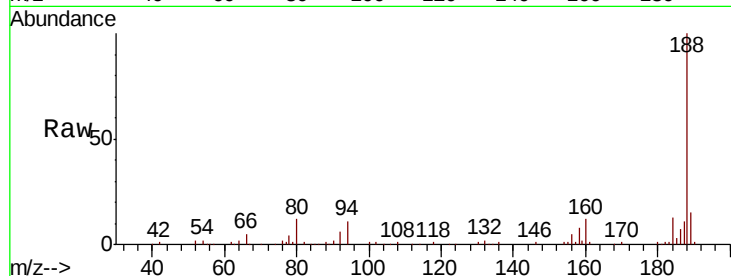
ClientSampleId :

TP2-2FT

Tot Ion:	188	Resp:	136149
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.0	12.0
80	11.7	9.5	14.3

Manual Integrations
APPROVED

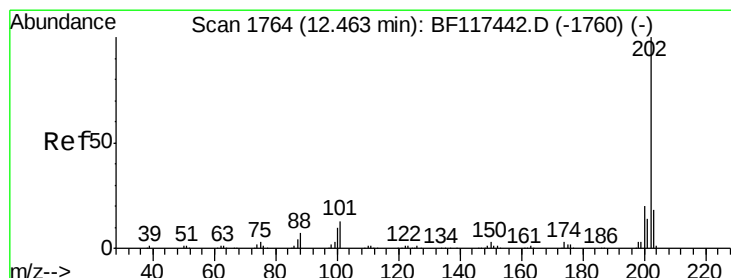
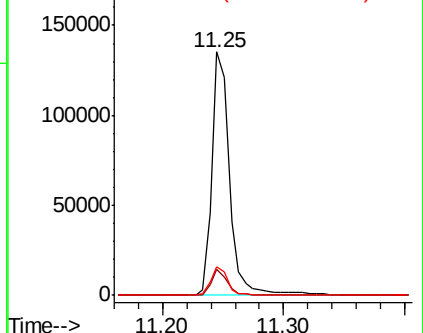
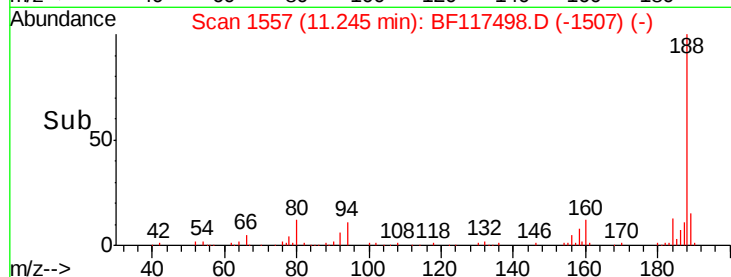
mohammad
10/24/2019 2:11:00 PM



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



#75

Fluoranthene

Concen: 4.459 ng

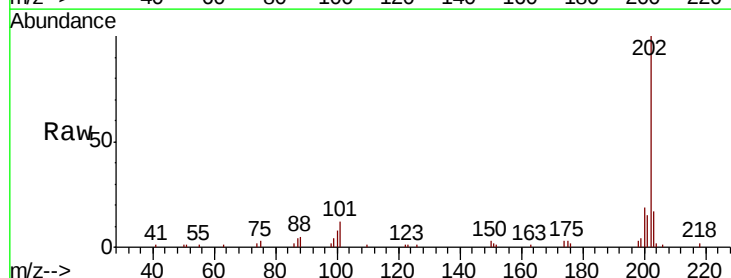
RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

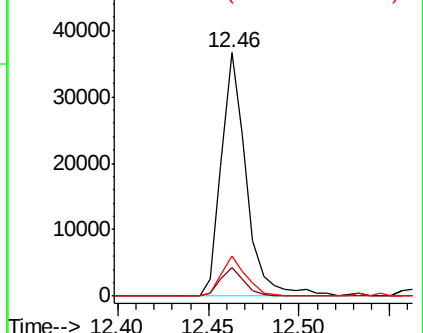
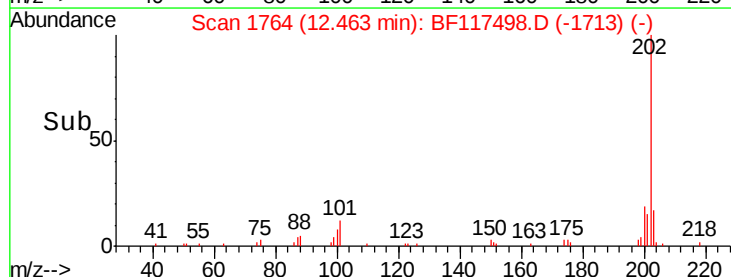
Tgt Ion:	202	Resp:	35292
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	32.7
203	16.7	0.0	37.6

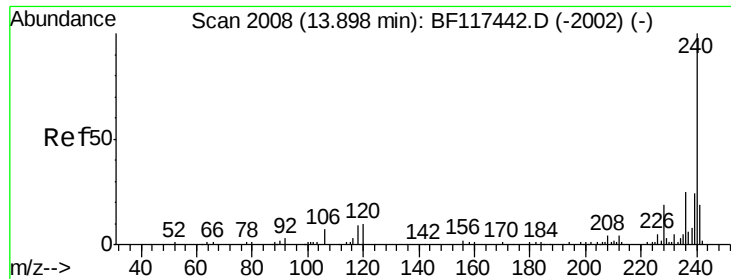


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





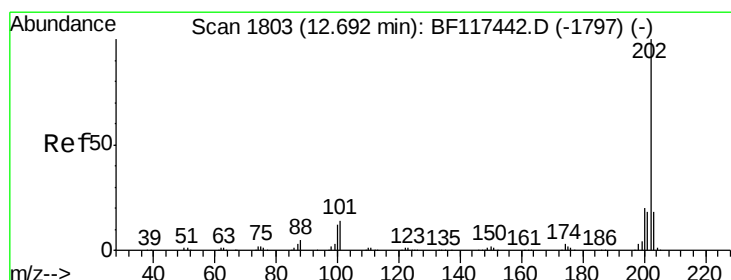
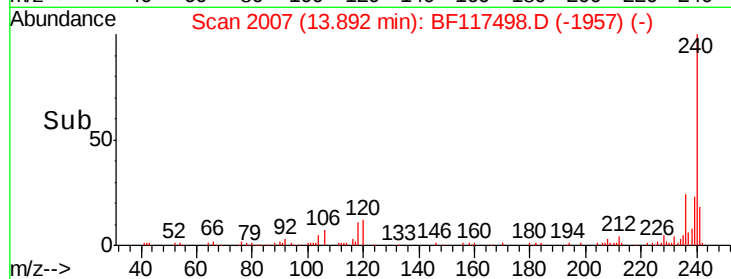
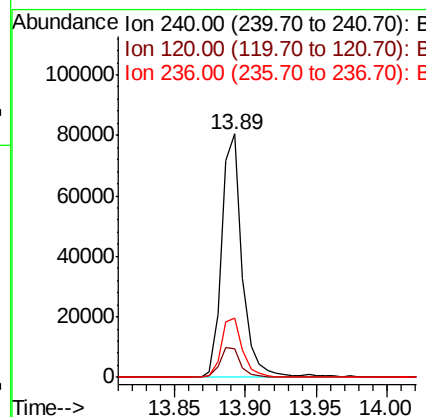
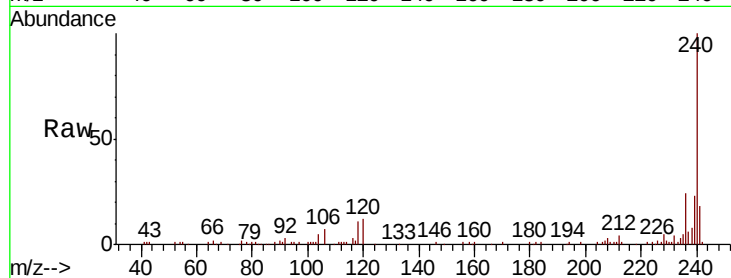
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleID :
TP2-2FT

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.4	12.6
236	24.5	20.0	30.0

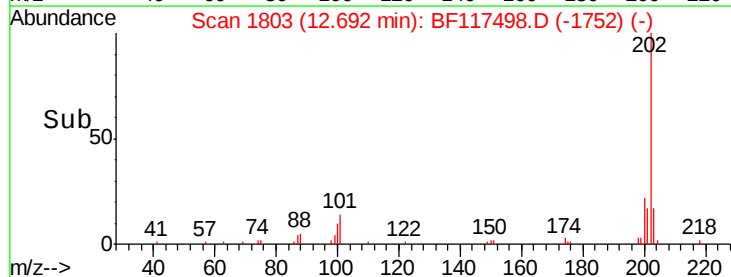
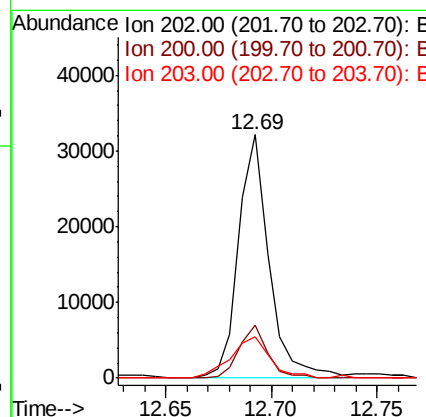
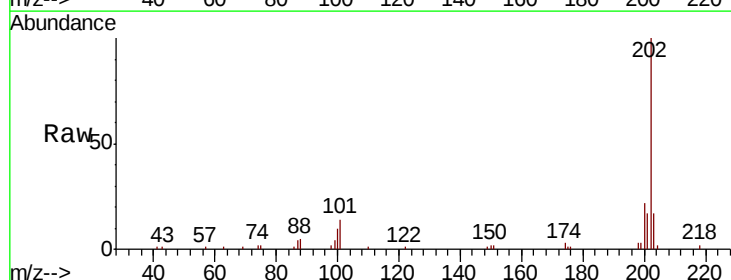
Manual Integrations
APPROVED

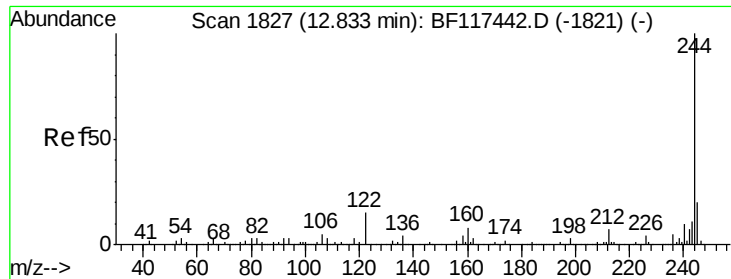
mohammad
10/24/2019 2:11:00 PM



#78
Pyrene
Concen: 4.633 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.2	24.2
203	17.1	14.0	21.0





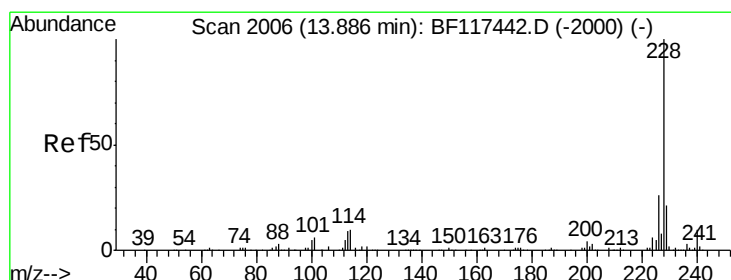
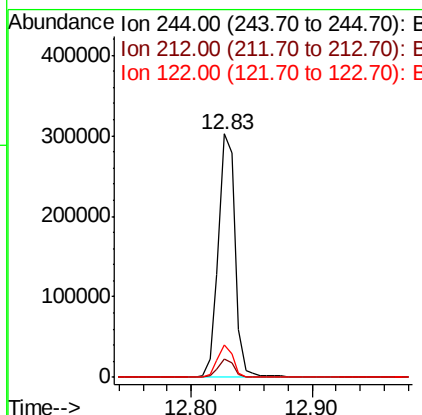
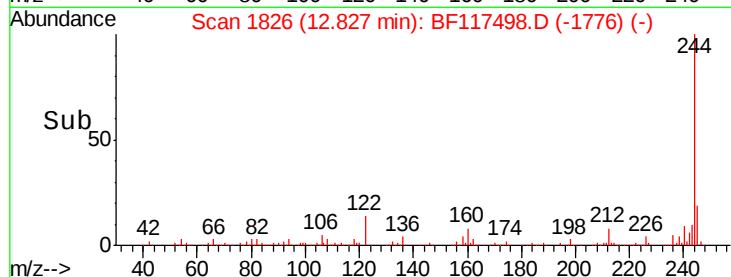
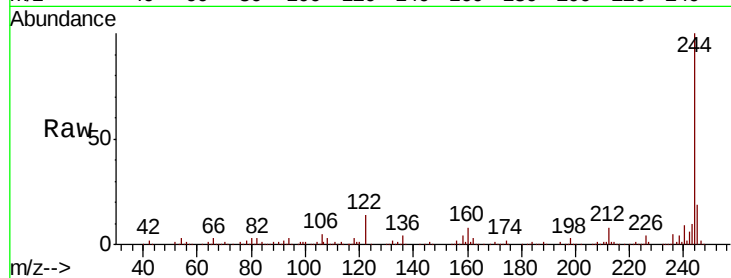
#79
 Terphenyl-d14
 Concen: 58.189 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Instrument :
 BNA_F
 ClientSampleId :
 TP2-2FT

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	13.5	11.8	17.8

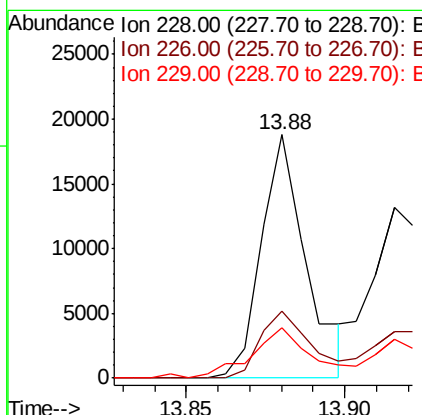
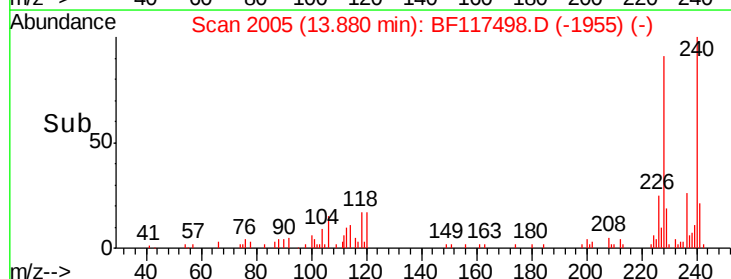
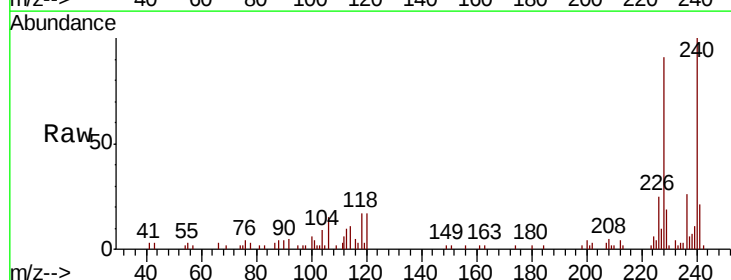
Manual Integrations
 APPROVED

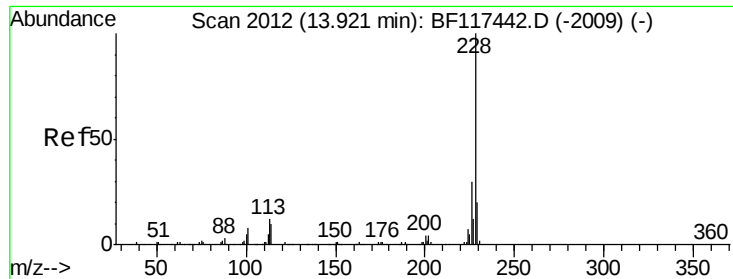
mohammad
 10/24/2019 2:11:00 PM



#81
 Benzo(a)anthracene
 Concen: 3.384 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.0	31.4
229	20.6	16.4	24.6





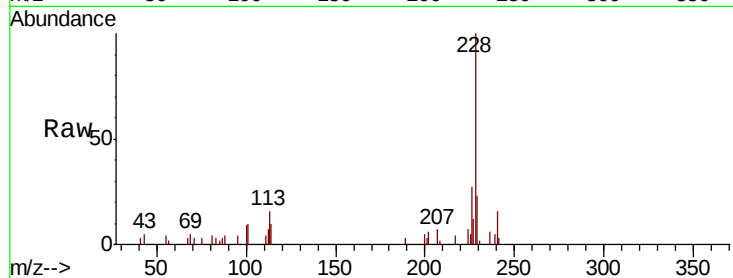
#83
Chrysene
Concen: 3.046 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.9	35.9
229	23.0	15.8	23.6

Manual Integrations
APPROVED

mohammad
10/24/2019 2:11:00 PM

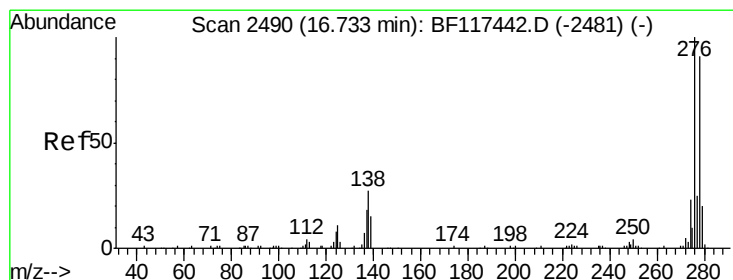
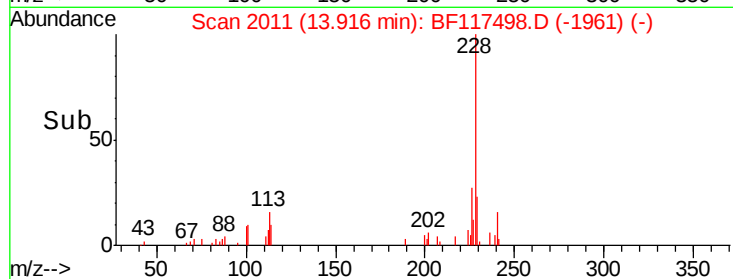
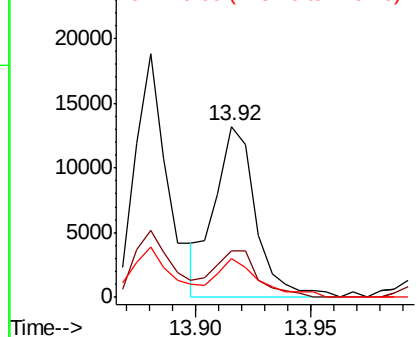


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.356 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

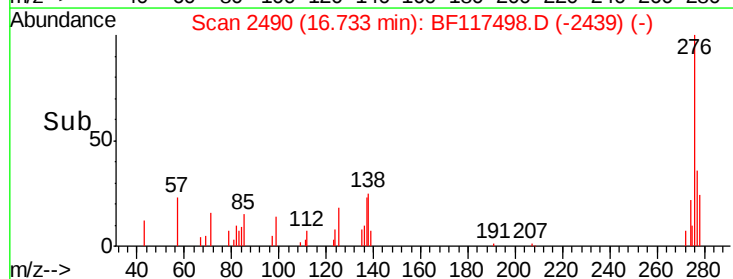
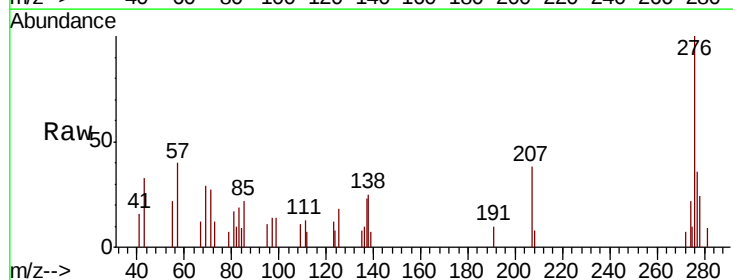
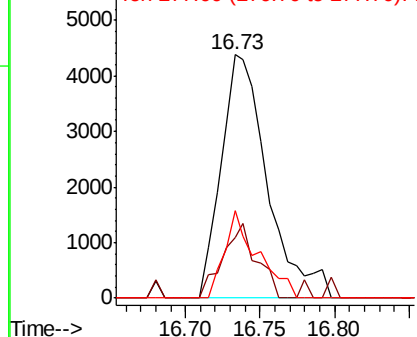
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.8	32.8
277	25.8	20.0	30.0

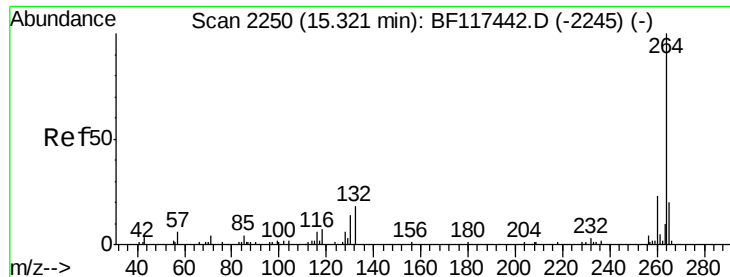
Abundance

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





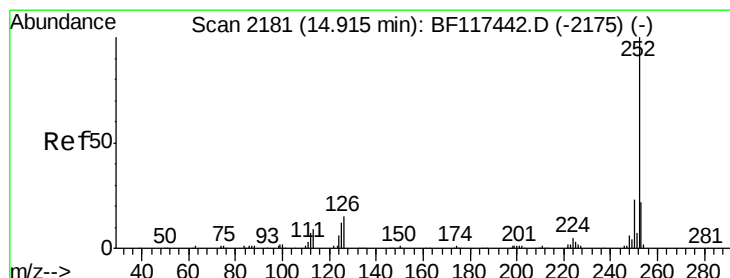
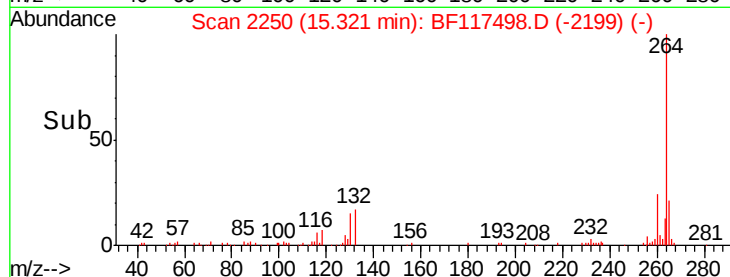
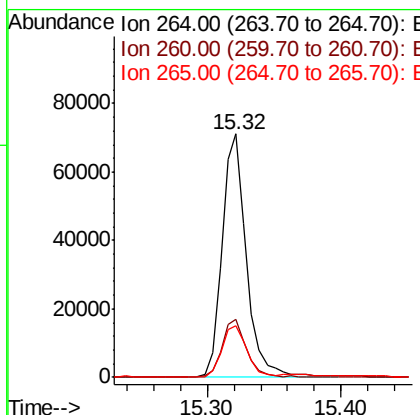
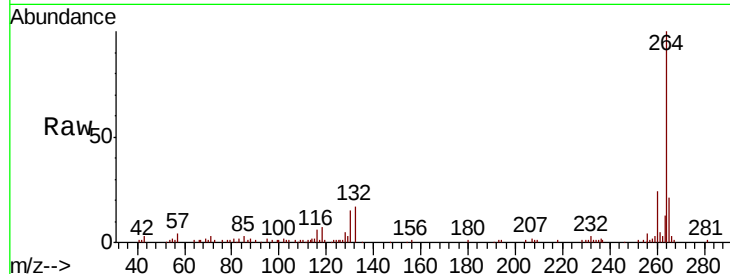
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.3	16.1	24.1

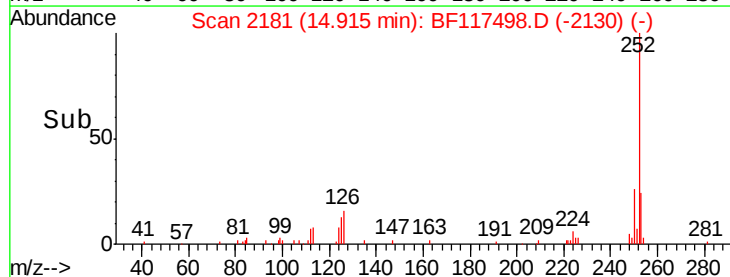
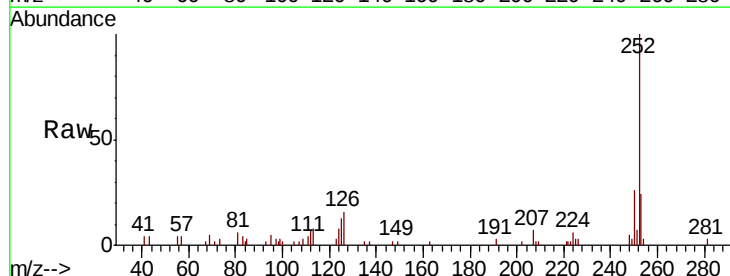
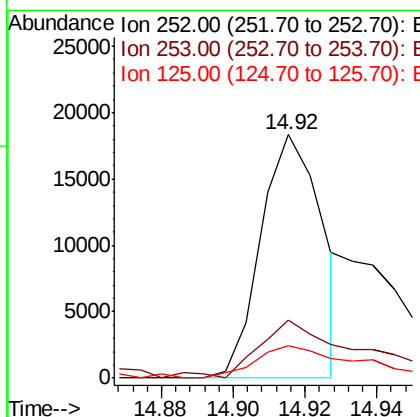
Manual Integrations
APPROVED

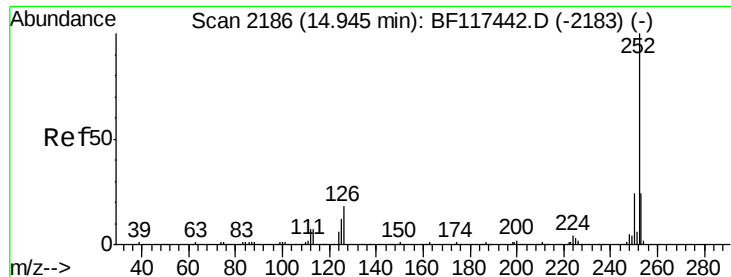
mohammad
10/24/2019 2:11:00 PM



#88
Benzo(b)fluoranthene
Concen: 4.036 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	13.2	9.9	14.9





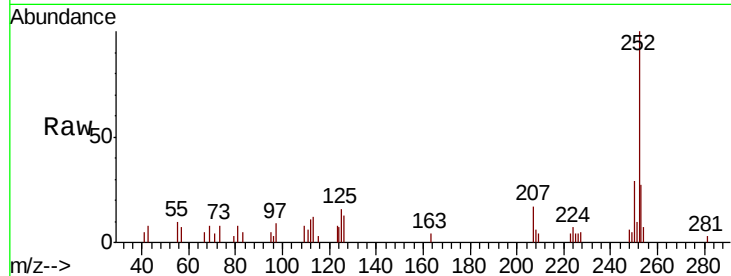
#89
Benzo(k)fluoranthene
Concen: 2.060 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampled :
TP2-2FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	15.6	8.9	13.3

Manual Integrations
APPROVED

mohammad
10/24/2019 2:11:00 PM

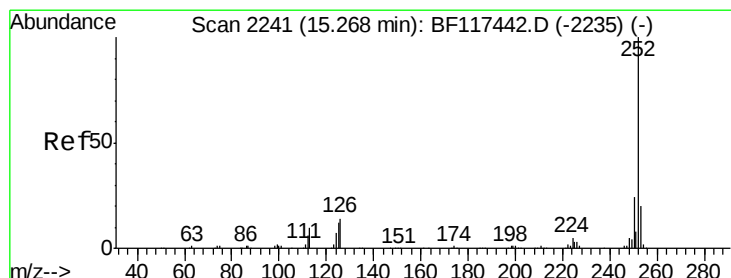
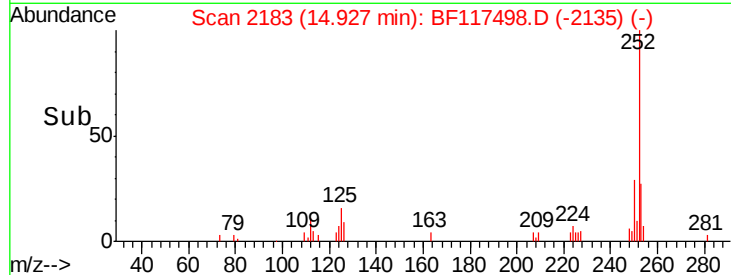
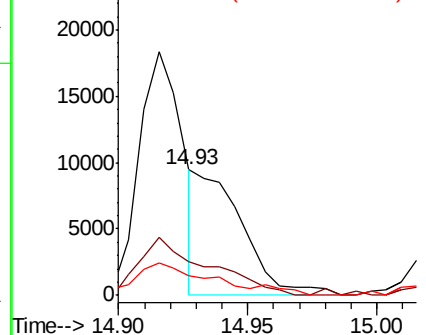


Abundance

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: 3.842 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	16.3	24.5
125	11.0	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

