

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117583.D
 Acq On : 29 Oct 2019 11:51
 Operator : JU
 Sample : K5503-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 175-12-(0-2)

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:52:40 PM

Quant Time: Oct 30 02:35:18 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	49623	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	193103	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	83072	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	104929	20.00	ng	0.00
76) Chrysene-d12	13.89	240	89144	20.00	ng	0.00
87) Perylene-d12	15.33	264	88299	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	241646	72.45	ng	0.00
7) Phenol-d6	6.39	99	321207	71.70	ng	0.00
23) Nitrobenzene-d5	7.29	82	200620	51.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	38614	53.72	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	291465	49.44	ng	-0.01
79) Terphenyl-d14	12.83	244	181593	33.23	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	22671	3.828	ng	Qvalue # 95
71) Phenanthrene	11.27	178	76716	12.591	ng	98
72) Anthracene	11.33	178	26503	4.239	ng	95
75) Fluoranthene	12.46	202	114943	18.845	ng	98
78) Pyrene	12.69	202	101678	13.279	ng	98
81) Benzo(a)anthracene	13.88	228	57883	9.626	ng	99
83) Chrysene	13.92	228	52476	8.904	ng	97
86) Indeno(1,2,3-cd)pyrene	16.75	276	22497	5.113	ng	# 93
88) Benzo(b)fluoranthene	14.92	252	66385m	12.732	ng	
89) Benzo(k)fluoranthene	14.94	252	20671m	3.868	ng	
90) Benzo(a)pyrene	15.27	252	44080	9.298	ng	# 93
92) Benzo(a,h,i)perylene	17.17	276	17893	4.613	ng	96

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

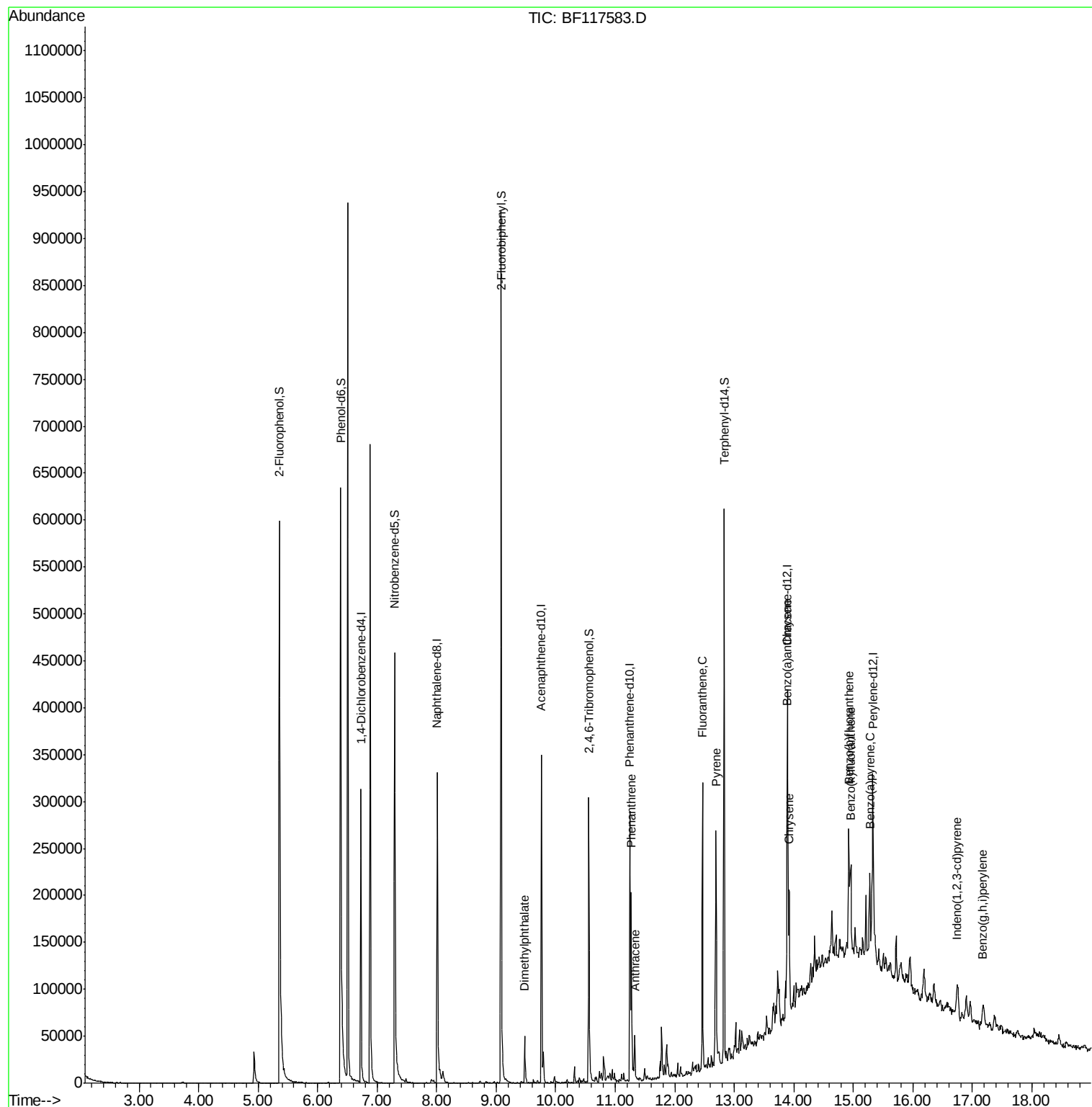
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117583.D
Acq On : 29 Oct 2019 11:51
Operator : JU
Sample : K5503-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

Quant Time: Oct 30 02:35:18 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

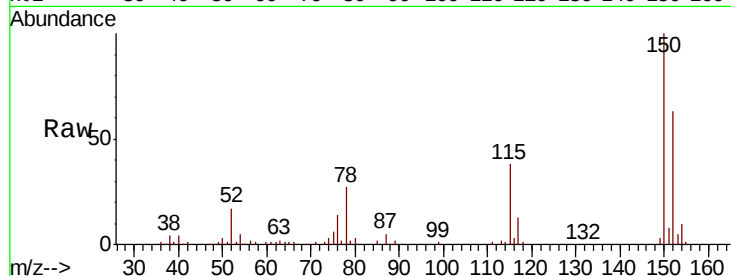
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.8	190.2
115	61.1	51.6	77.4

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

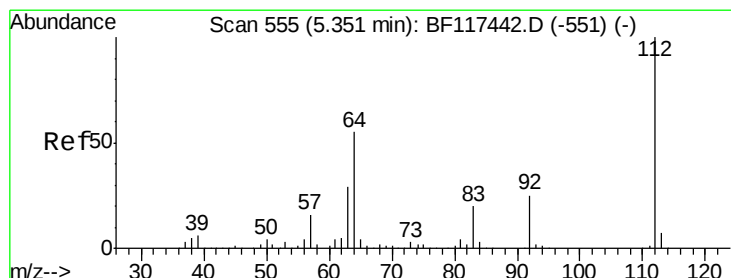
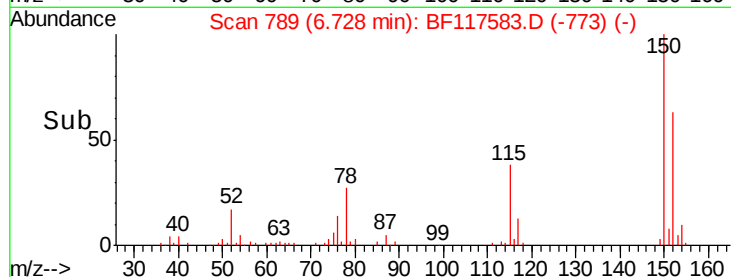
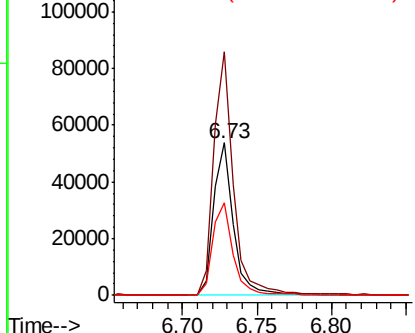


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

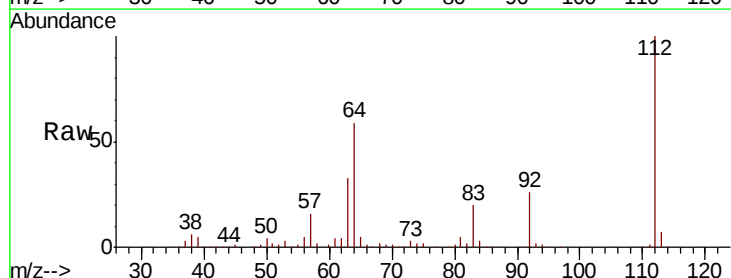
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.446 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	44.1	66.1
63	32.7	23.4	35.2

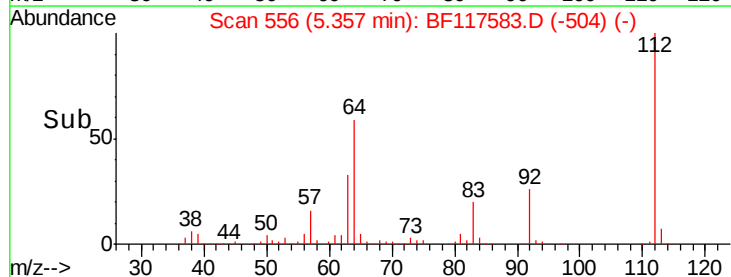
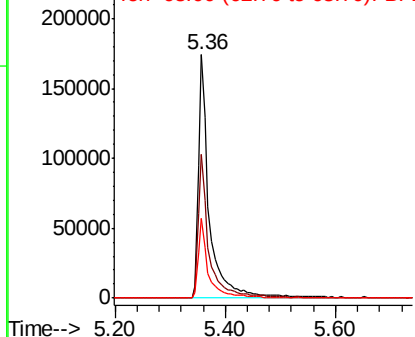


Abundance

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: 71.698 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

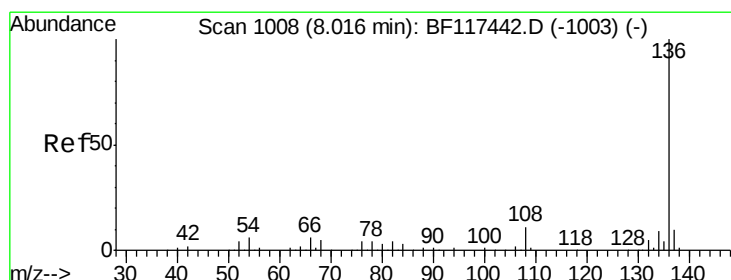
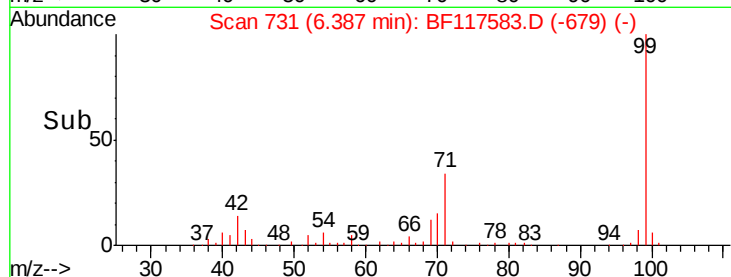
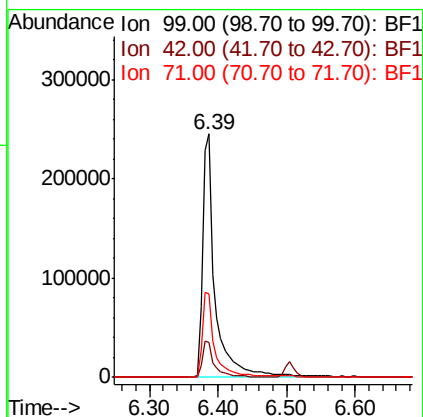
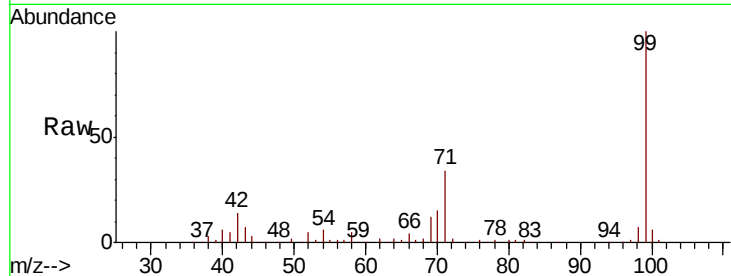
ClientSampleId :

175-12-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		321207		
42	14.1	12.8	19.2		
71	34.2	28.6	43.0		

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM



#21

Naphthalene-d8

Concen: 20.000 ng

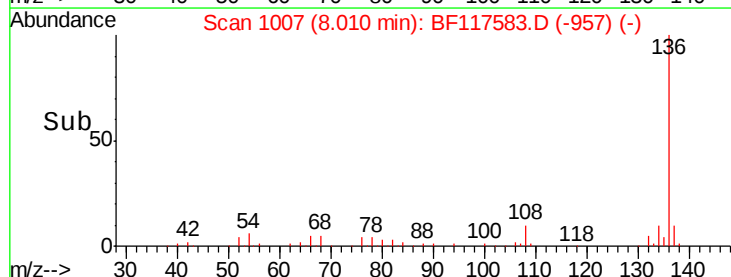
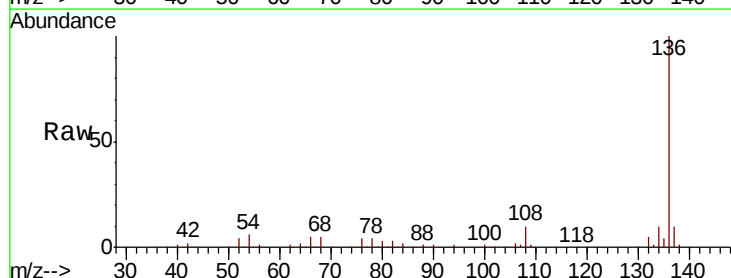
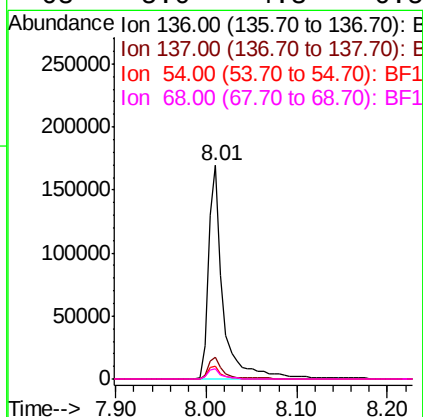
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		193103		
137	10.1	8.2	12.4		
54	5.9	4.5	6.7		
68	5.0	4.3	6.5		





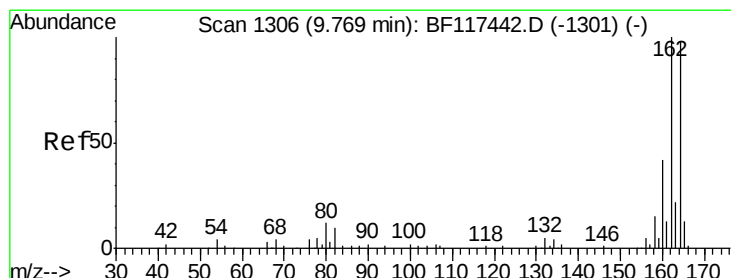
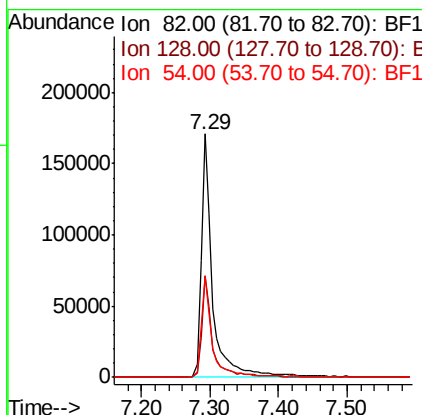
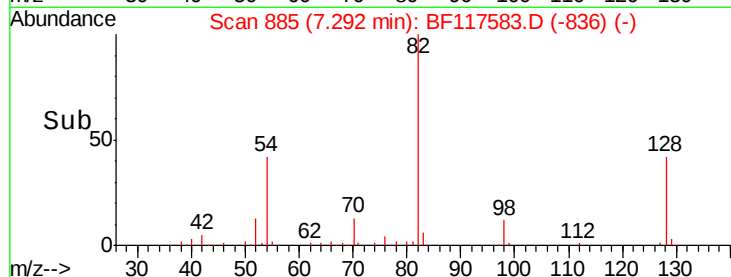
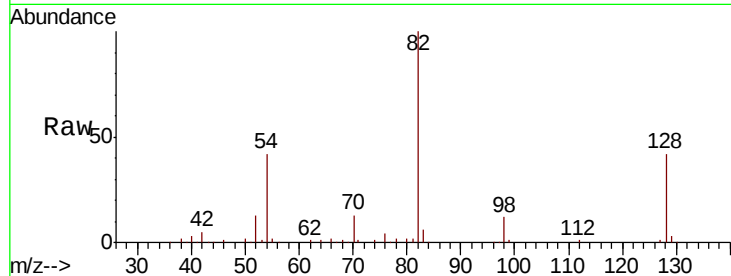
#23
Nitrobenzene-d5
Concen: 51.290 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	200620		
128	41.8		32.2	48.2
54	41.6		34.2	51.2

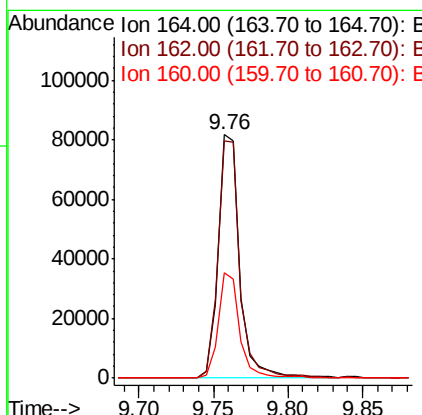
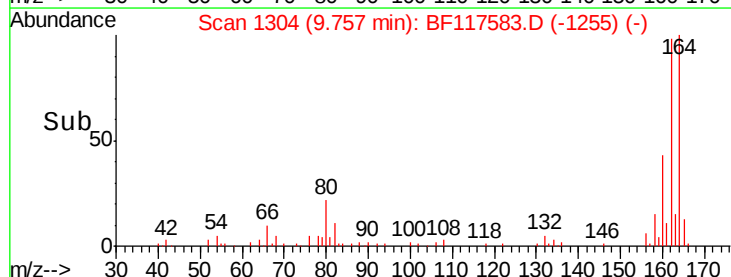
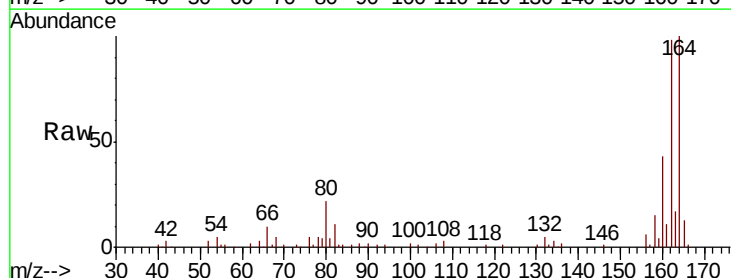
Manual Integrations
APPROVED

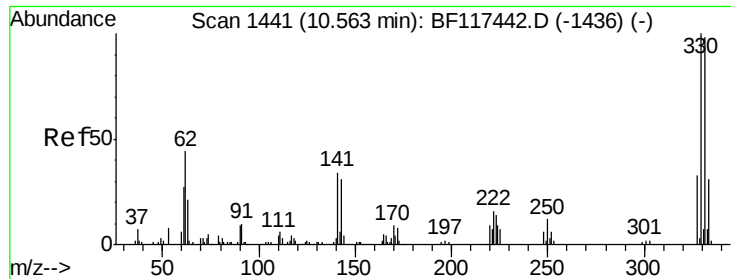
mohammad
10/30/2019 4:52:40 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83072		
162	97.6		81.8	122.6
160	43.1		34.4	51.6





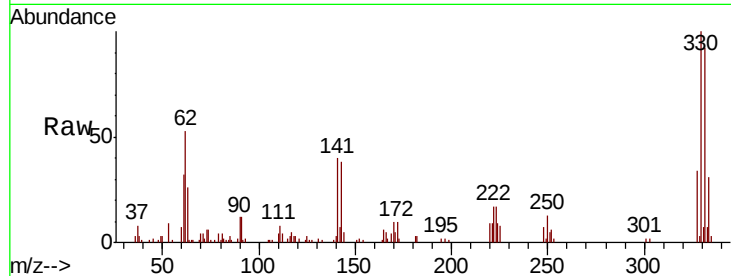
#42
 2,4,6-Tribromophenol
 Concen: 53.721 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117583.D
 Acq: 29 Oct 2019 11:51

Instrument :
 BNA_F
 ClientSampleId :
 175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	47.5	37.0	55.6

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:52:40 PM

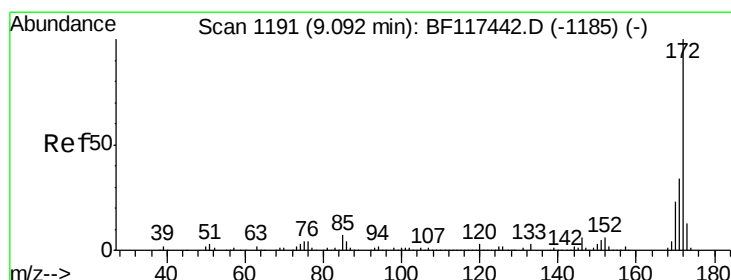
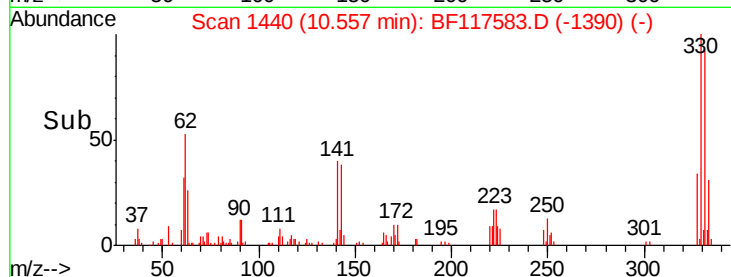
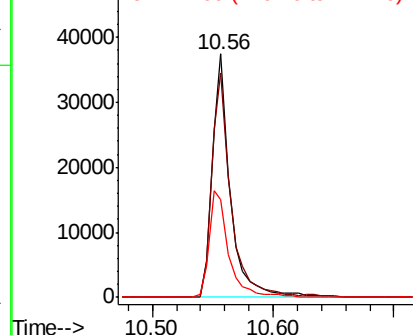


Abundance

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: 49.436 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117583.D
 Acq: 29 Oct 2019 11:51

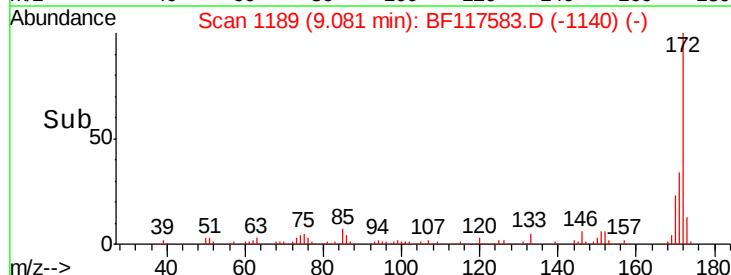
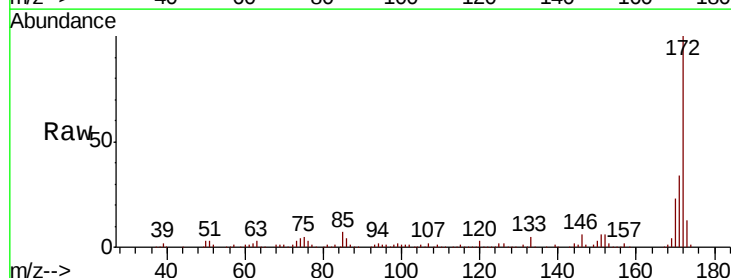
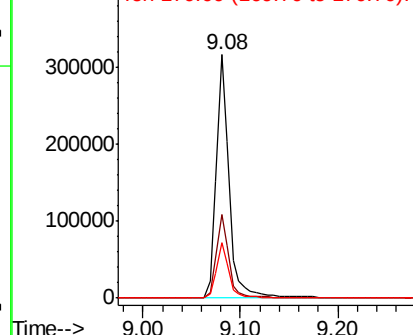
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.5	41.3
170	22.7	18.6	27.8

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





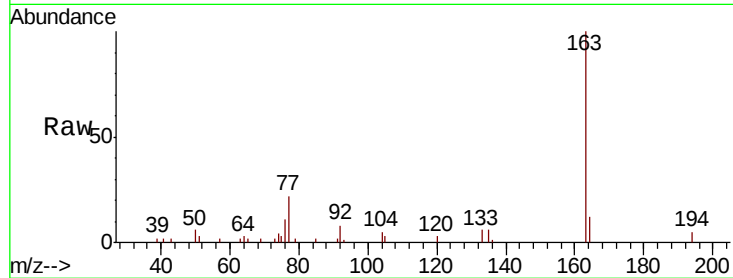
#50
Dimethylphthalate
Concen: 3.828 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

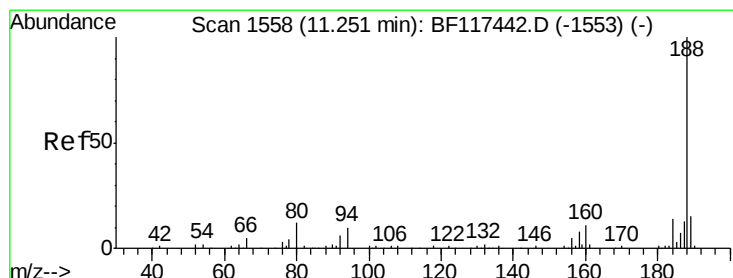
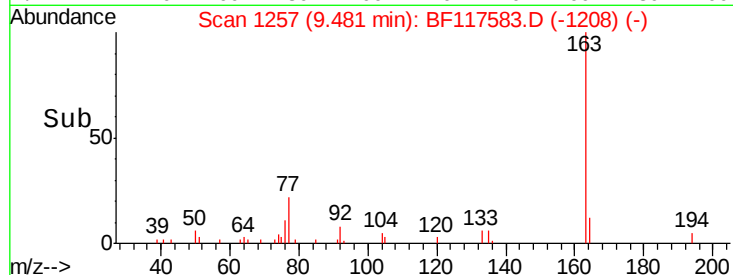
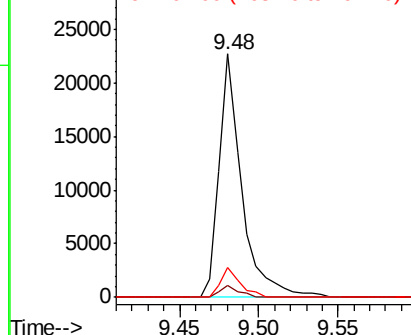
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.9	4.3#
164	12.0	8.2	12.2

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

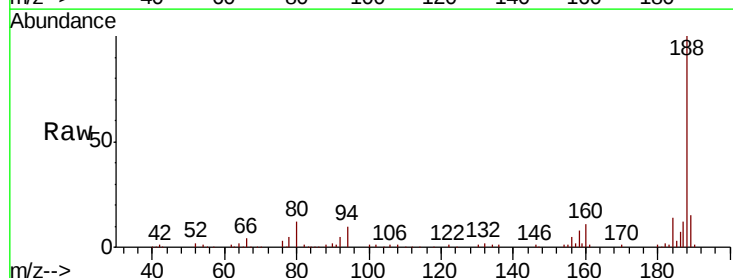


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

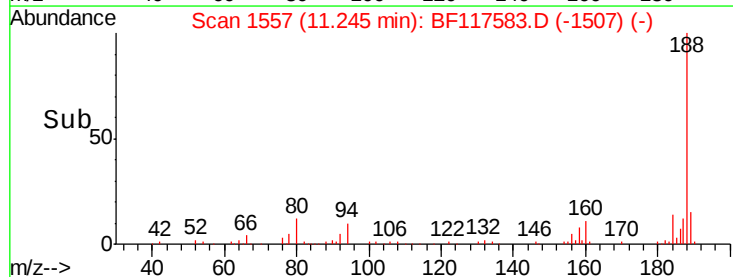
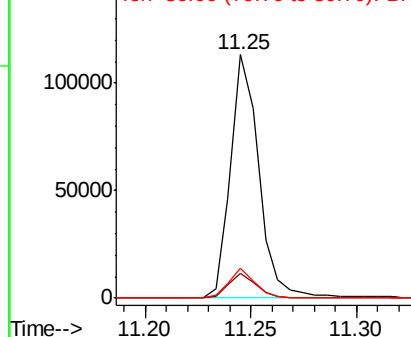


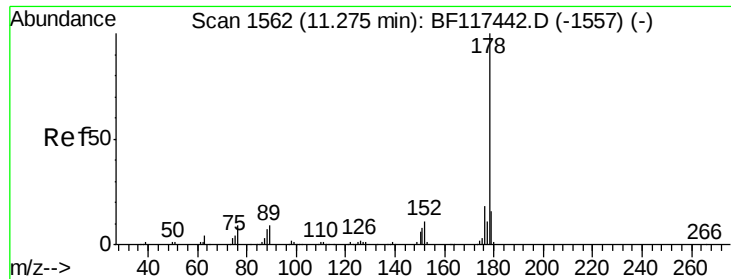
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	12.2	9.5	14.3



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: 12.591 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

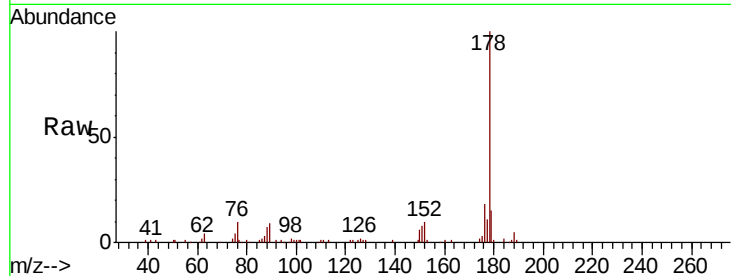
ClientSampleId :

175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	22.0
179	14.8	12.6	19.0

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

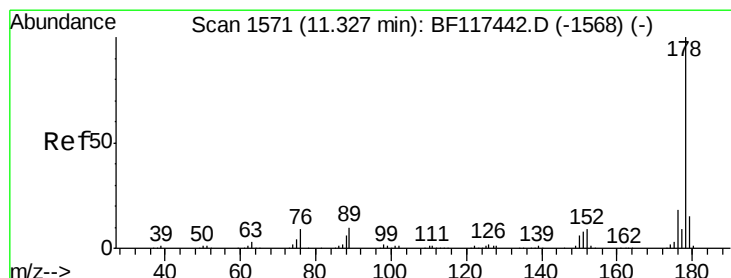
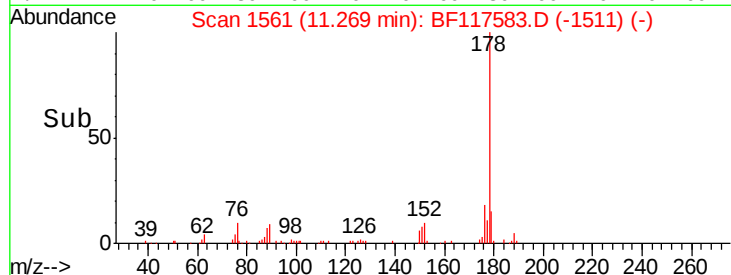
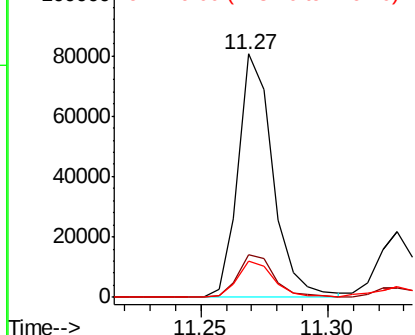


Abundance

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: 4.239 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

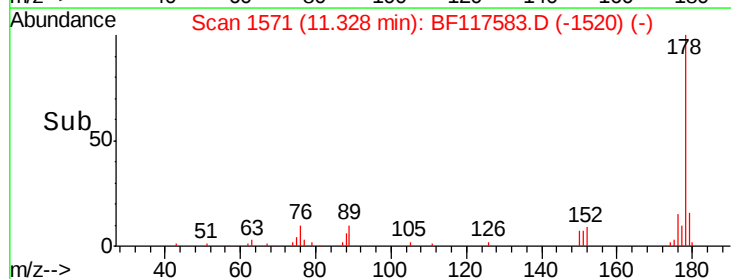
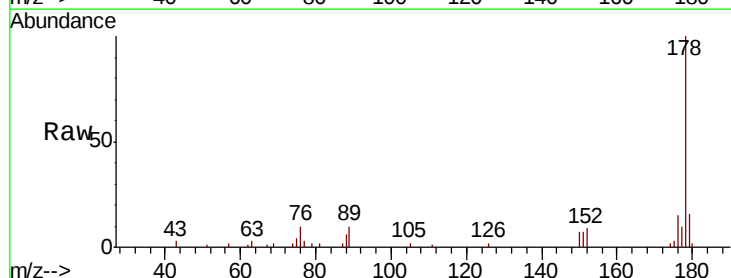
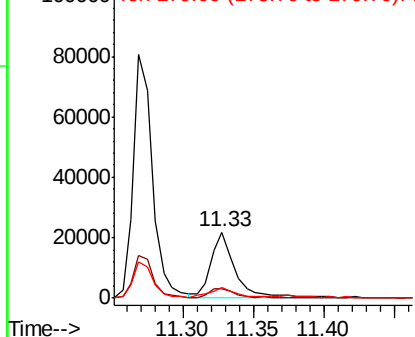
Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.1	14.7	22.1
179	15.7	12.2	18.2

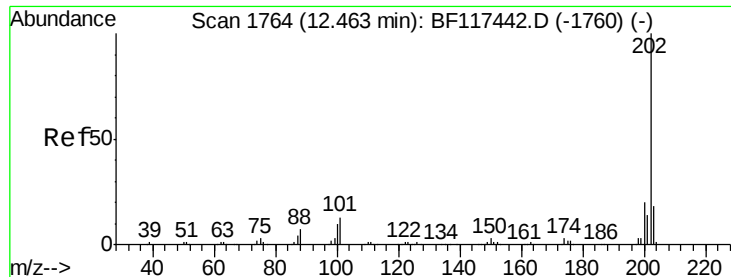
Abundance

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





#75

Fluoranthene

Concen: 18.845 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

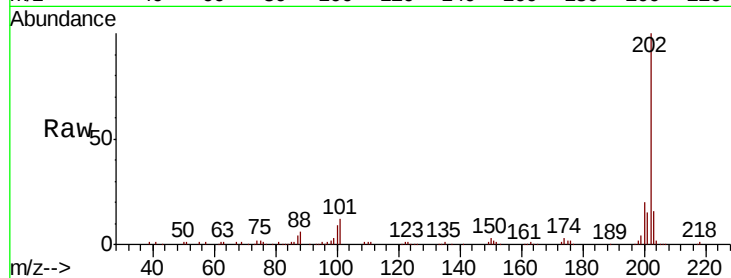
ClientSampleId :

175-12-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	114943		
101	12.1	0.0	32.7	
203	16.4	0.0	37.6	

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

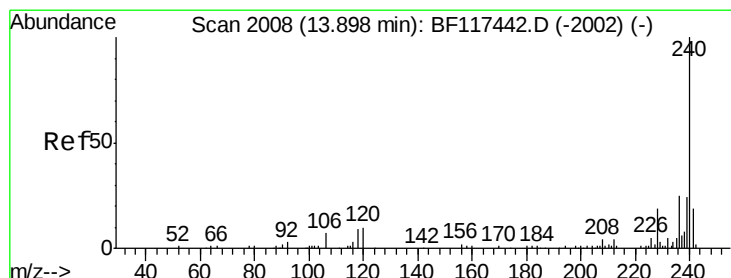
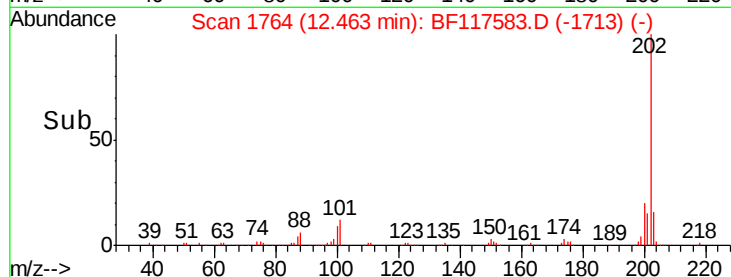
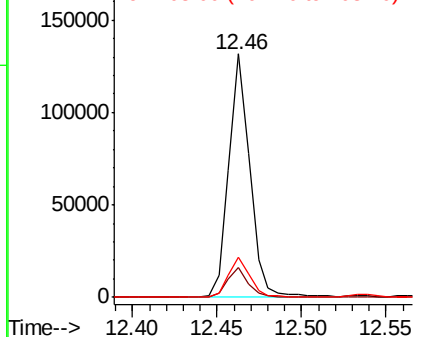


Abundance

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

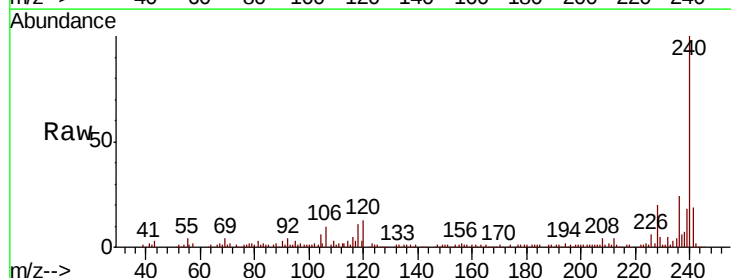
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	89144		
120	12.6	8.4	12.6#	
236	24.3	20.0	30.0	

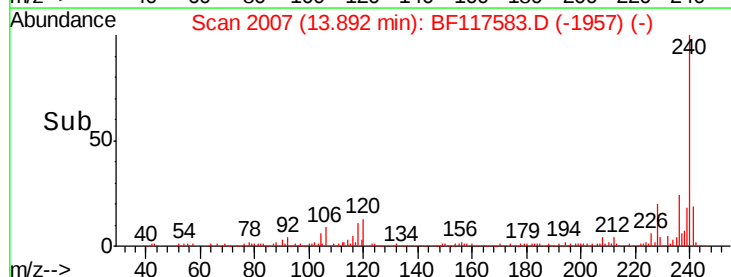
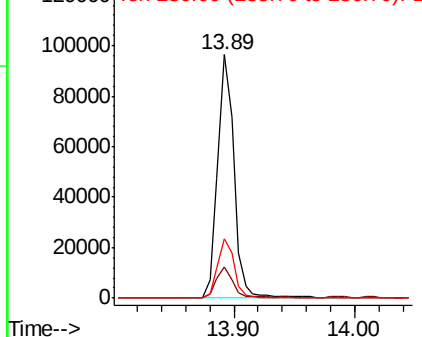


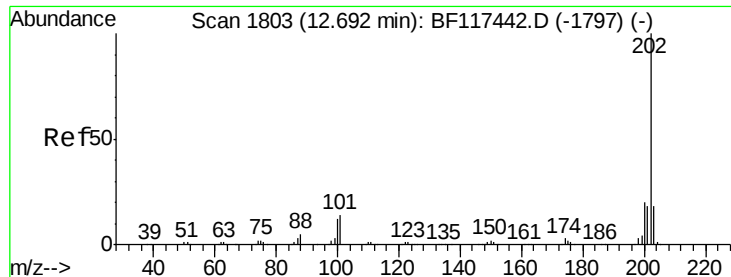
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





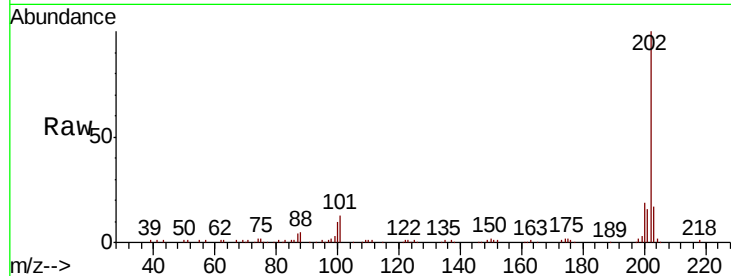
#78
Pvrene
Concen: 13.279 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	18.7	16.2	24.2
203	17.4	14.0	21.0

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

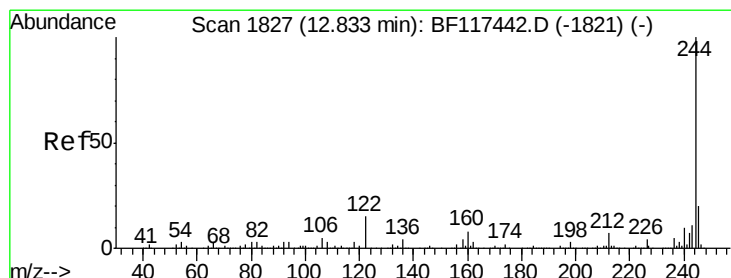
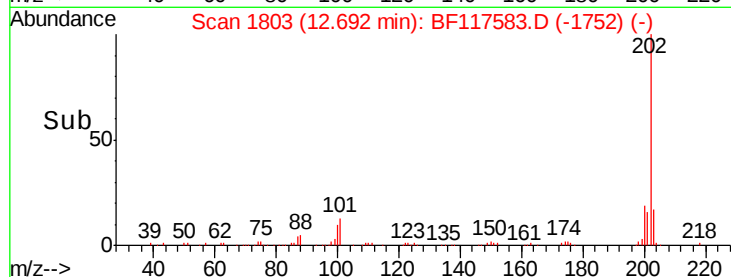
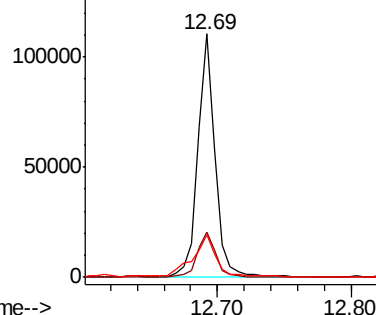


Abundance

Ion 202.00 (201.70 to 202.70): E

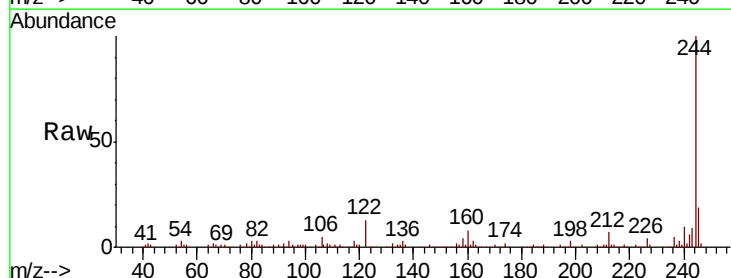
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 33.227 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	13.4	11.8	17.8

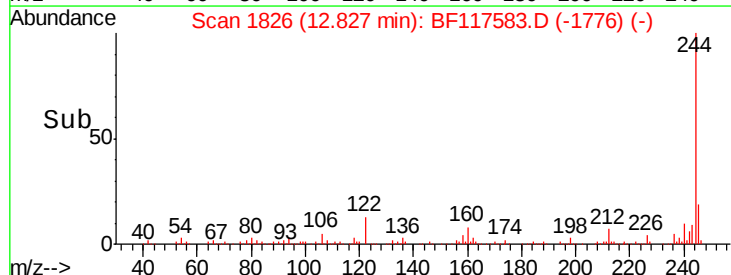
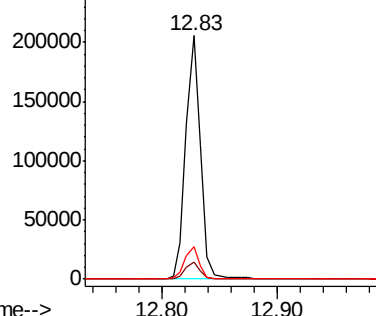


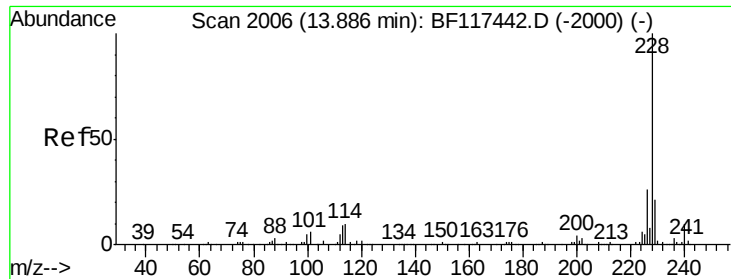
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





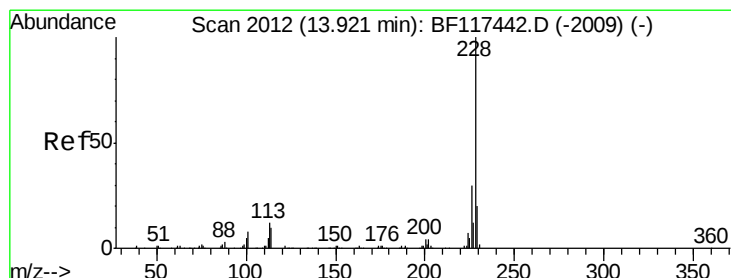
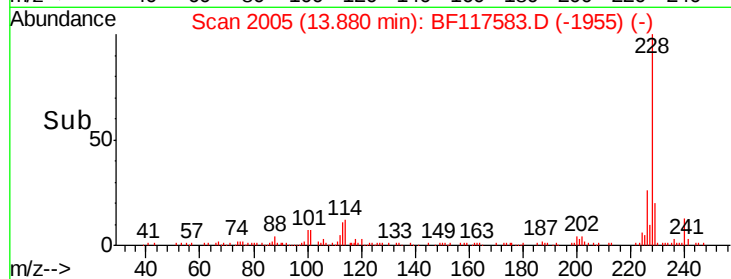
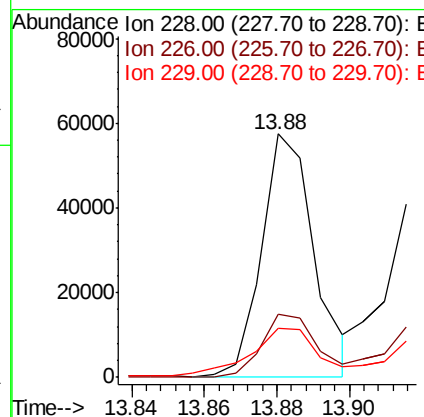
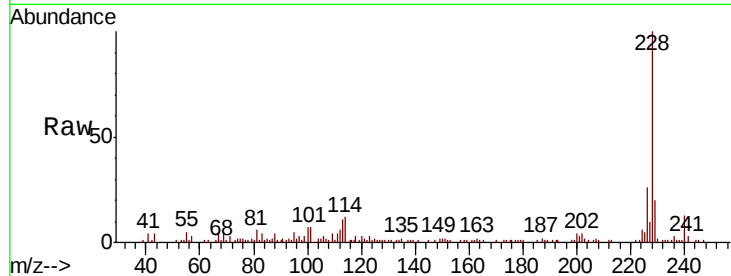
#81
Benzo(a)anthracene
Concen: 9.626 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.0	31.4
229	20.2	16.4	24.6

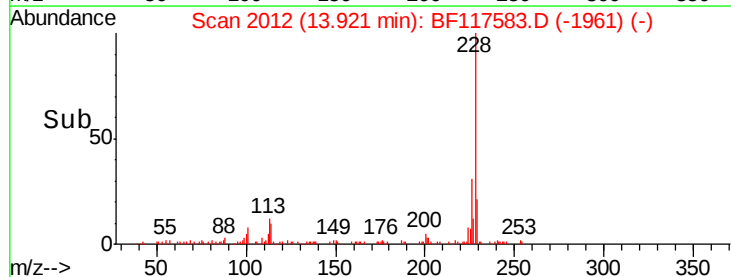
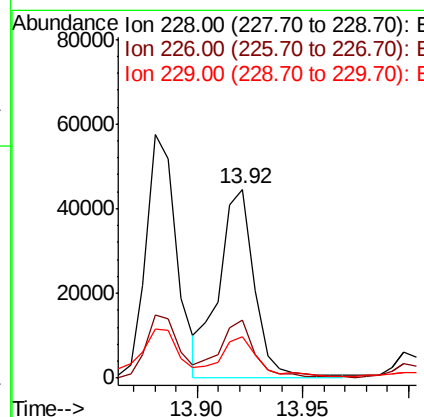
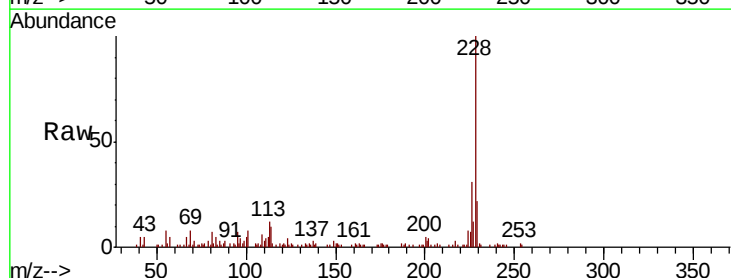
Manual Integrations
APPROVED

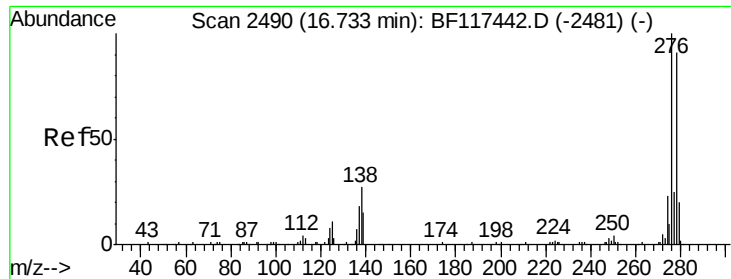
mohammad
10/30/2019 4:52:40 PM



#83
Chrysene
Concen: 8.904 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	21.7	15.8	23.6





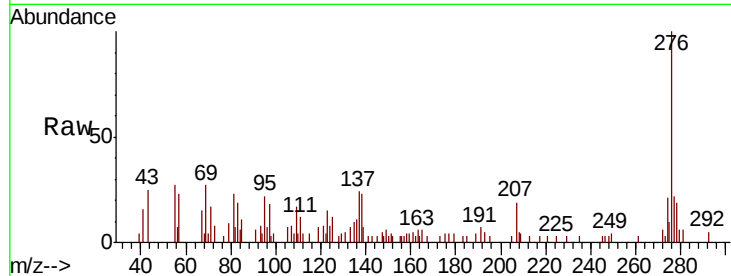
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.113 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.8	32.8#
277	24.5	20.0	30.0

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM

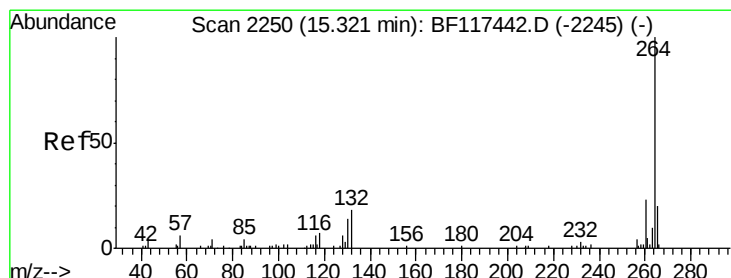
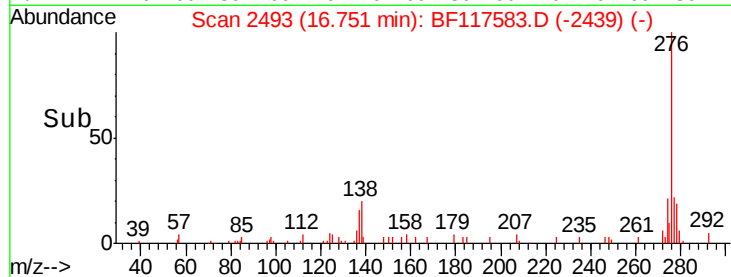
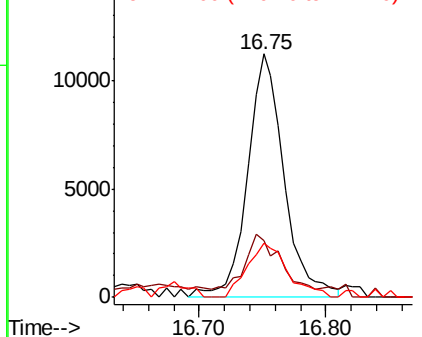


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

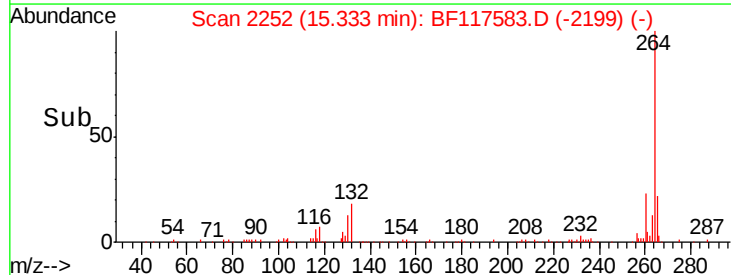
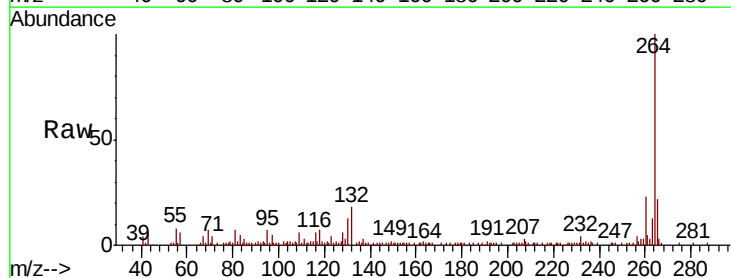
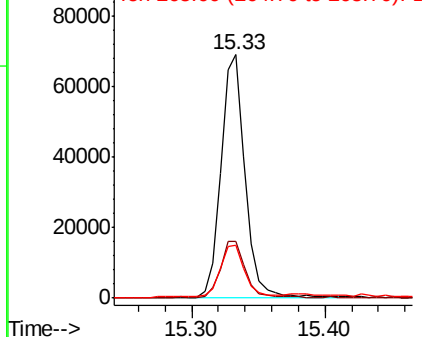
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	21.8	16.1	24.1

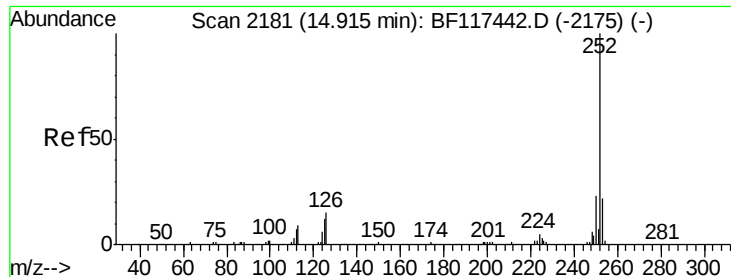
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





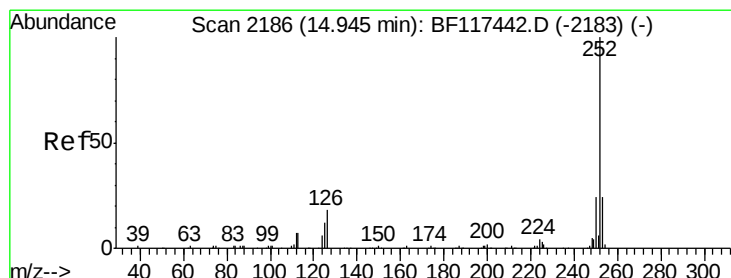
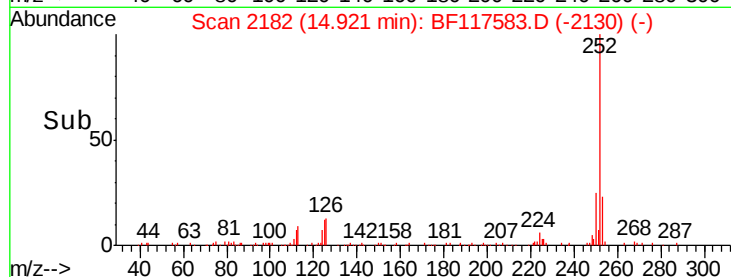
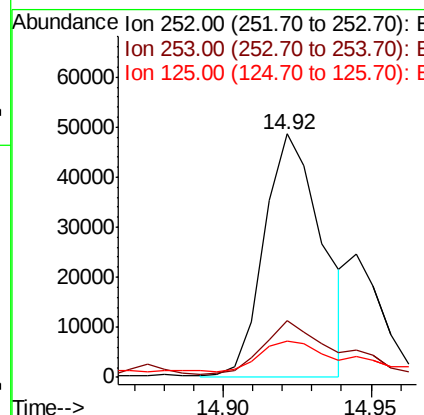
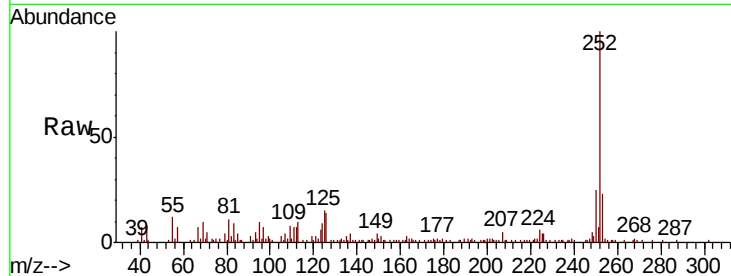
#88
Benzo(b)fluoranthene
Concen: 12.732 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	14.8	9.9	14.9

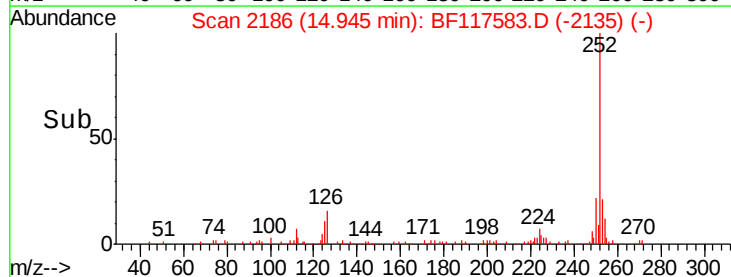
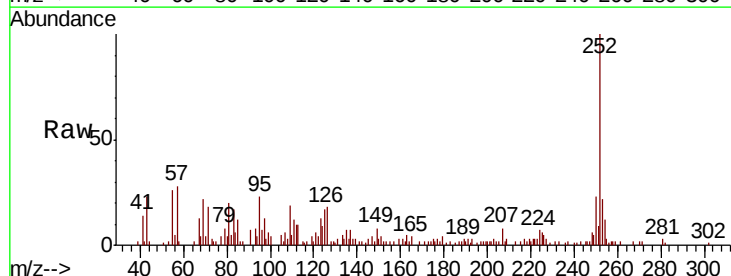
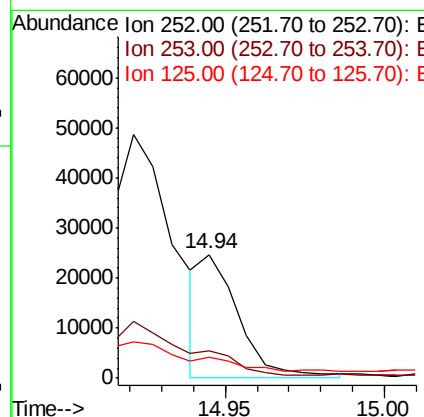
Manual Integrations
APPROVED

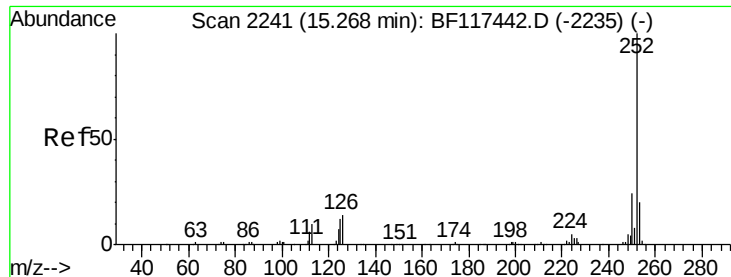
mohammad
10/30/2019 4:52:40 PM



#89
Benzo(k)fluoranthene
Concen: 3.868 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	17.1	8.9	13.3





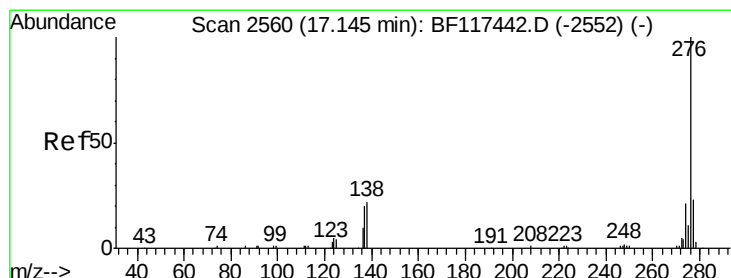
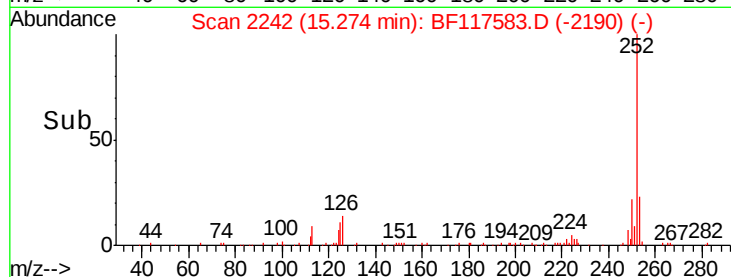
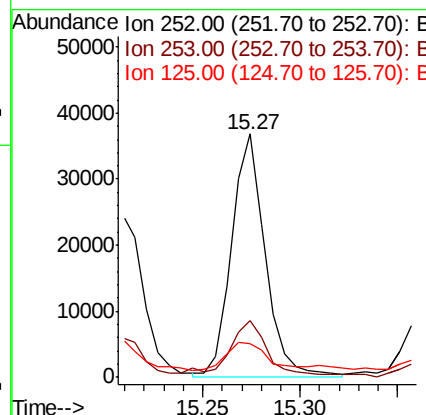
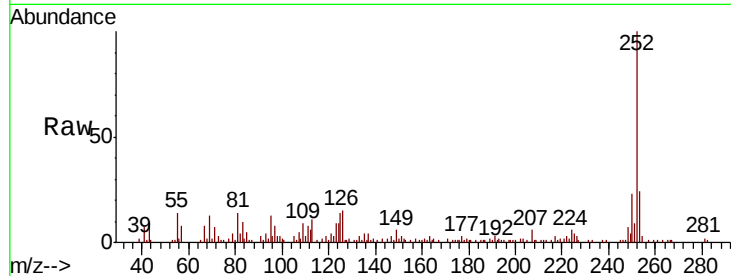
#90
Benzo(a)pyrene
Concen: 9.298 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :
175-12-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.3	24.5
125	14.0	9.2	13.8

Manual Integrations
APPROVED

mohammad
10/30/2019 4:52:40 PM



#92
Benzo(g,h,i)perylene
Concen: 4.613 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	19.8	18.4	27.6
138	21.2	17.8	26.6

