

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117168.D
 Acq On : 19 Sep 2019 1:47
 Operator : HP/JU
 Sample : K4918-09DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DL

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:23 AM

Quant Time: Sep 19 08:31:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	29683	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	131882	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	69656	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	181590	20.00	ng	0.00
76) Chrysene-d12	13.96	240	131430	20.00	ng	-0.01
87) Perylene-d12	15.41	264	124756	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	15669	8.24	ng	0.02
7) Phenol-d6	6.46	99	21165	8.61	ng	0.00
23) Nitrobenzene-d5	7.40	82	12192	4.86	ng	0.01
42) 2,4,6-Tribromophenol	10.65	330	5906	10.14	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	29763	6.68	ng	0.00
79) Terphenyl-d14	12.91	244	45504	6.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	11.36	178	366194	35.504	ng	99
72) Anthracene	11.41	178	43642m	4.145	ng	
73) Carbazole	11.57	167	36155	3.617	ng	99
75) Fluoranthene	12.54	202	398301	37.583	ng	96
78) Pyrene	12.77	202	337607	30.614	ng	99
81) Benzo(a)anthracene	13.96	228	138778	15.804	ng	99
83) Chrysene	13.99	228	147610	17.235	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	51746	8.282	ng	93
88) Benzo(b)fluoranthene	14.99	252	136289m	18.035	ng	
89) Benzo(k)fluoranthene	15.02	252	49974m	6.981	ng	
90) Benzo(a)pyrene	15.35	252	89278	13.463	ng	98
91) Dibenzo(a,h)anthracene	16.85	278	12836	2.430	ng	93
92) Benzo(a,h,i)perylene	17.28	276	46549	8.843	ng	97

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

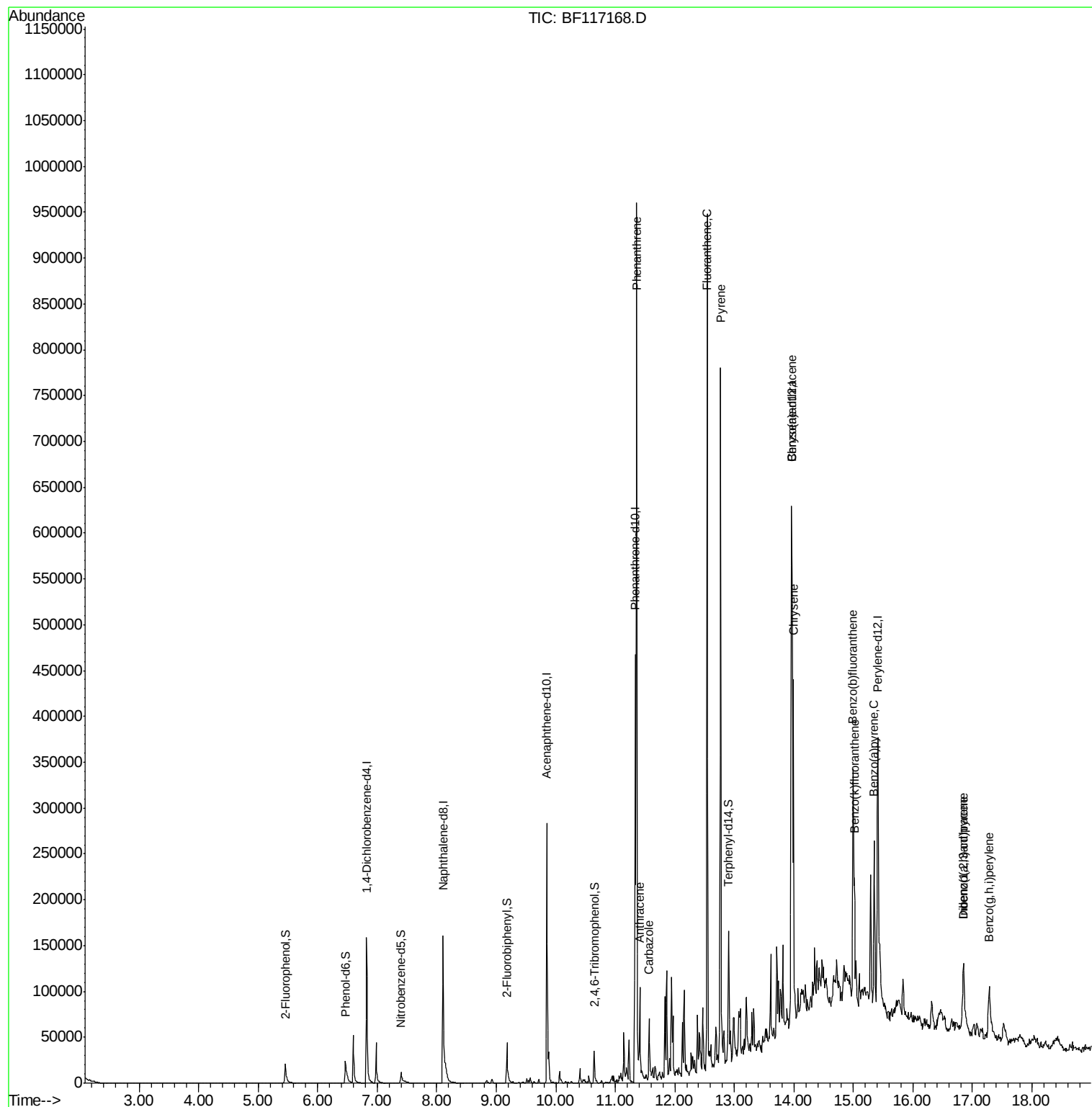
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117168.D
Acq On : 19 Sep 2019 1:47
Operator : HP/JU
Sample : K4918-09DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SB-10DL

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM

Quant Time: Sep 19 08:31:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration





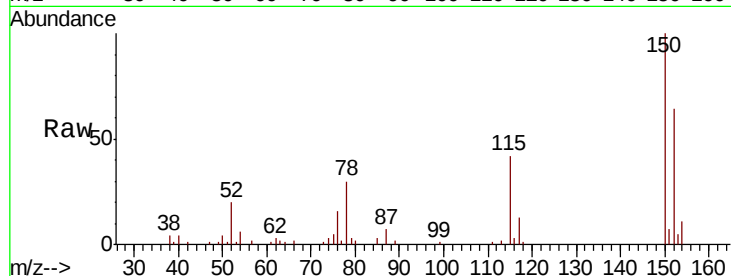
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Instrument :
 BNA_F
 ClientSampled :
 SB-10DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.5	191.3
115	65.5	55.0	82.4

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:23 AM

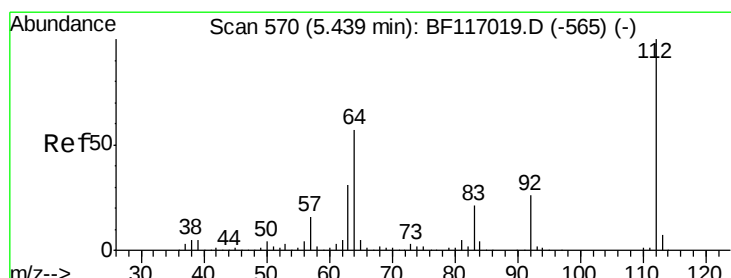
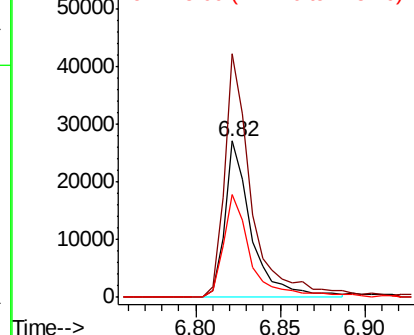
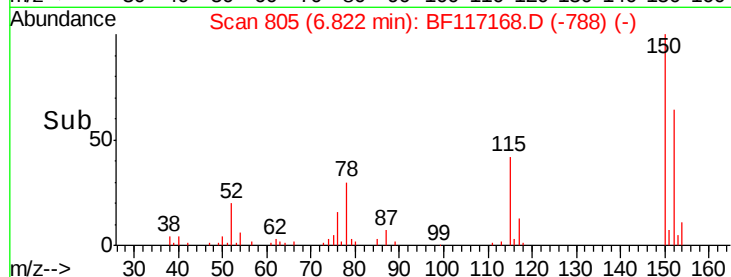


Abundance

Ion 152.00 (151.70 to 152.70): E

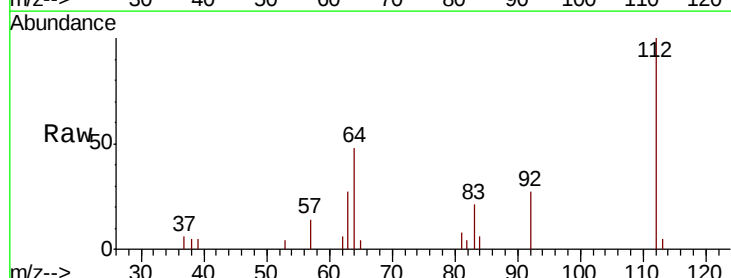
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 8.241 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.02 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	45.7	68.5
63	27.4	24.9	37.3

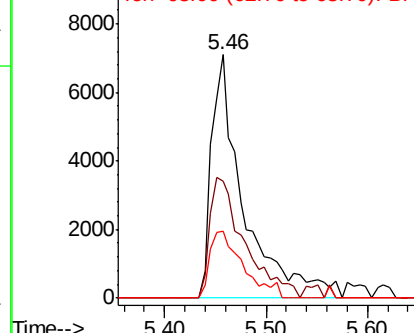
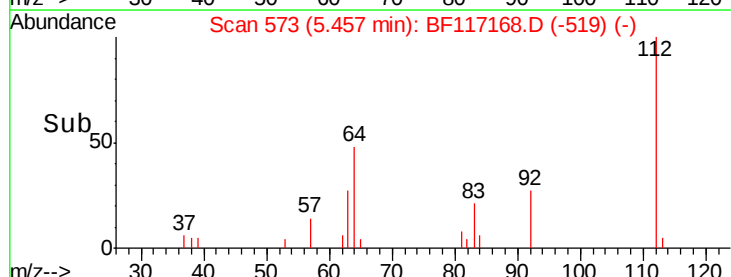


Abundance

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: 8.614 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Instrument :

BNA_F

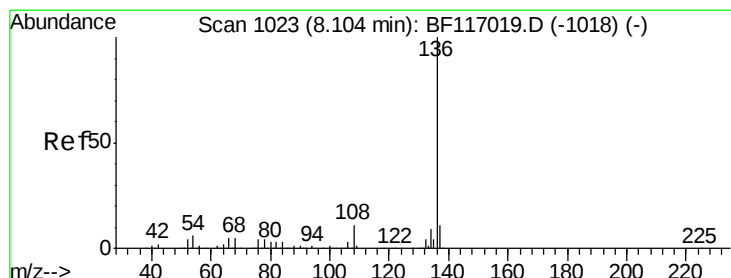
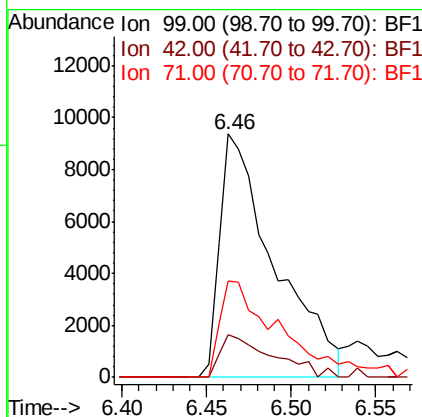
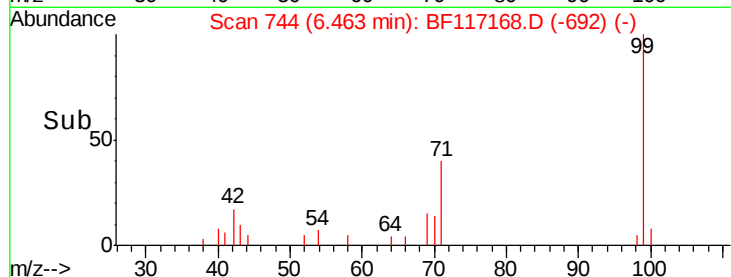
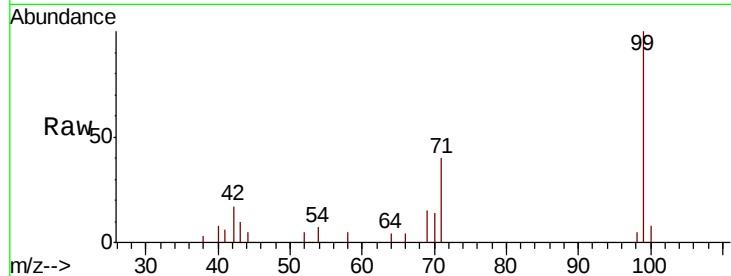
ClientSampled :

SB-10DL

Tot Ion:	99	Resp:	21165
Ion Ratio	Lower	Upper	
99	100		
42	17.5	12.2	18.2
71	39.8	29.8	44.8

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM



#21

Naphthalene-d8

Concen: 20.000 ng

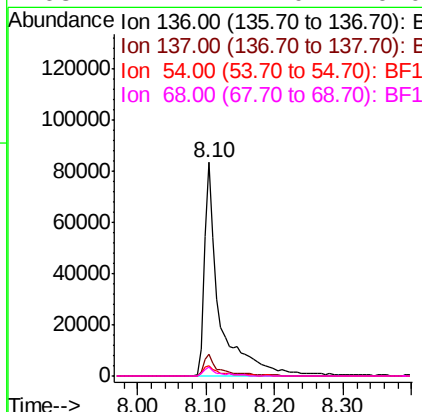
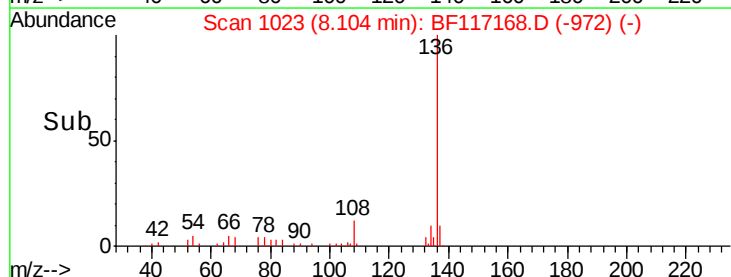
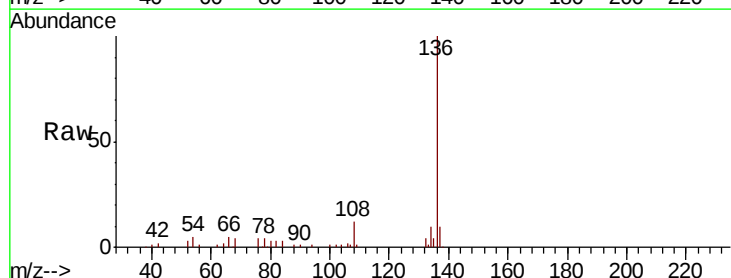
RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Tgt Ion:	136	Resp:	131882
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.0	13.4
54	4.8	4.5	6.7
68	4.4	4.0	6.0





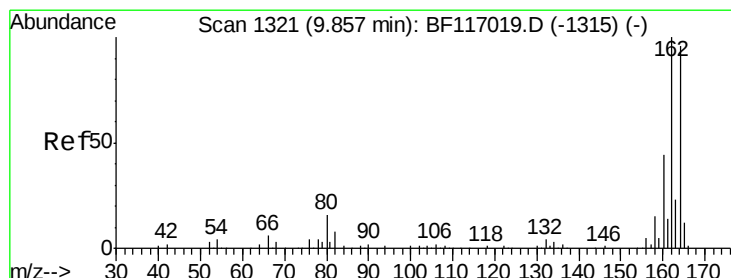
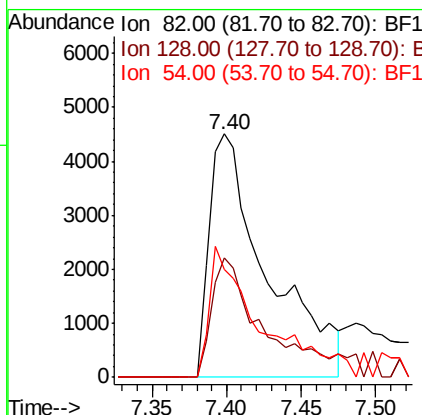
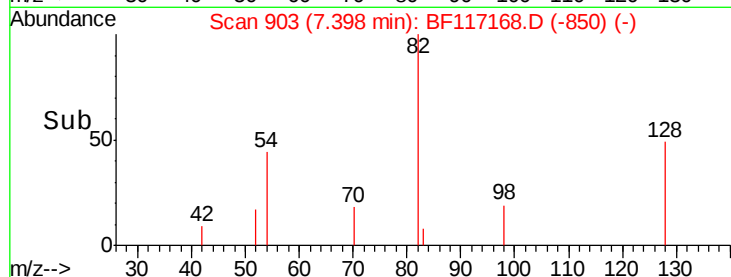
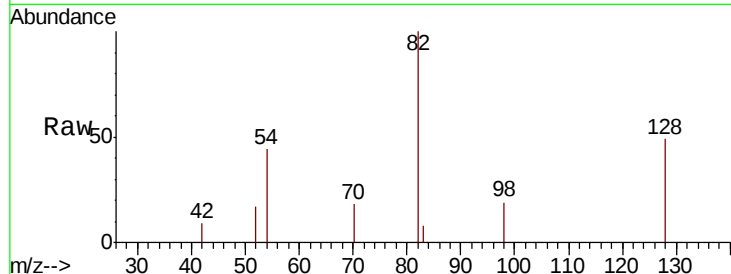
#23
 Nitrobenzene-d5
 Concen: 4.857 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	32.3	48.5#
54	44.4	33.3	49.9

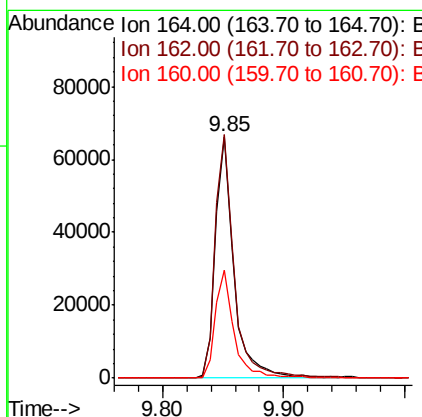
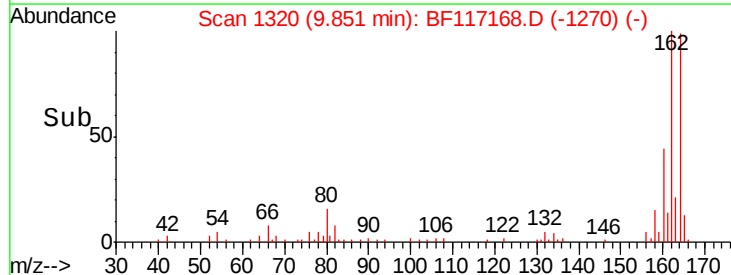
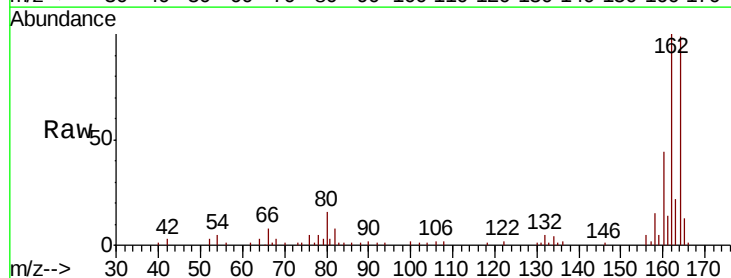
Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:23 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.4	125.2
160	44.6	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 10.145 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Instrument :

BNA_F

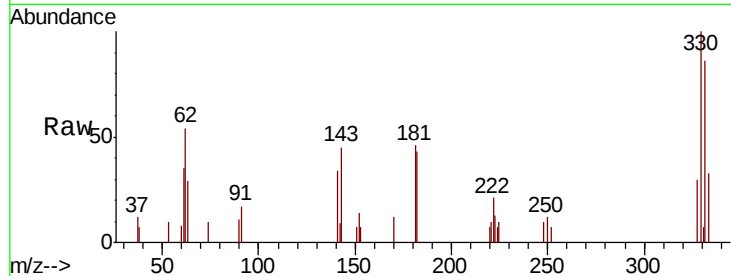
ClientSampled :

SB-10DL

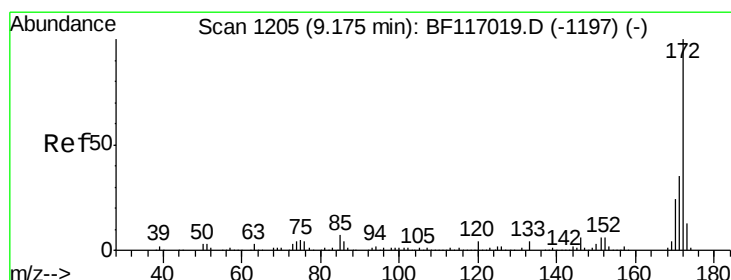
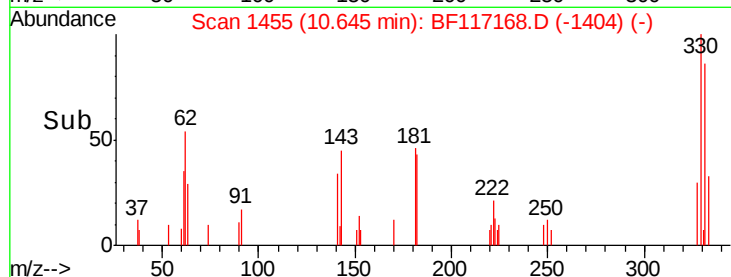
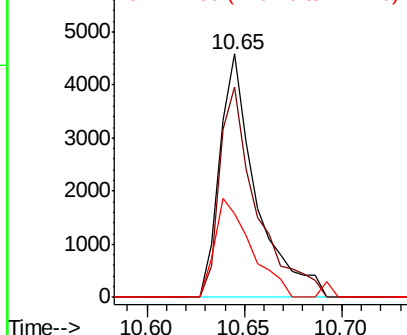
Tot Ion:	330	Resp:	5906
Ion Ratio	Lower	Upper	
330	100		
332	87.9	78.0	117.0
141	40.7	35.8	53.6

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 6.681 ng

RT: 9.18 min Scan# 1206

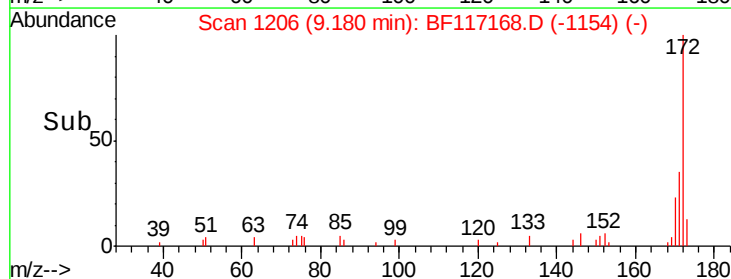
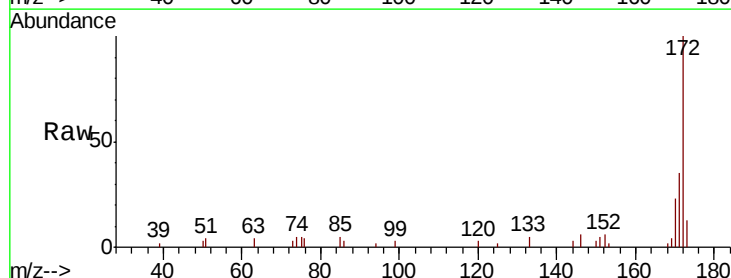
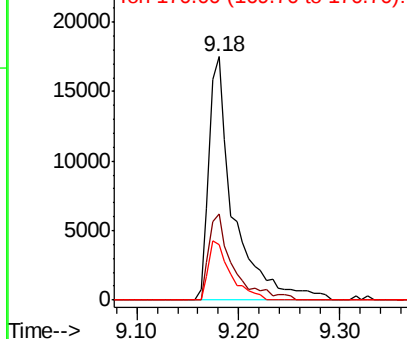
Delta R.T. 0.01 min

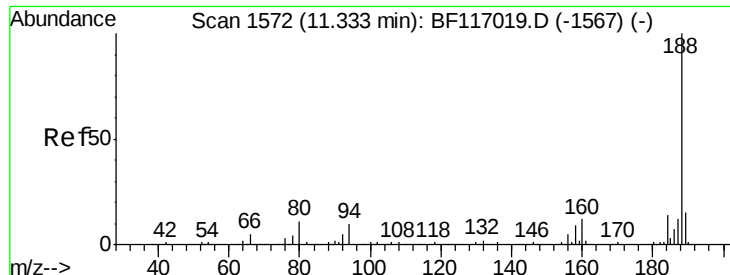
Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Tgt Ion:	172	Resp:	29763
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.2	42.2
170	22.6	18.9	28.3

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





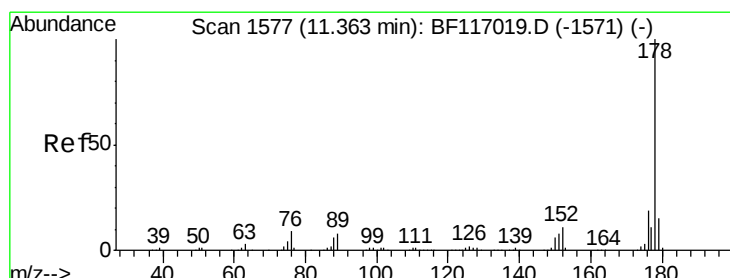
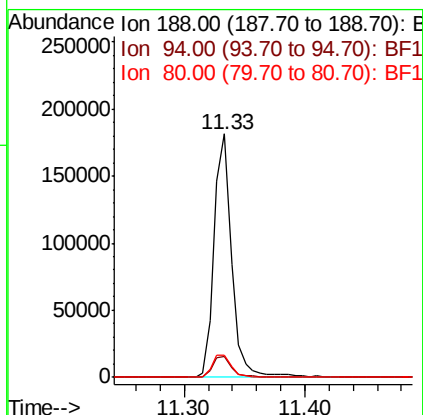
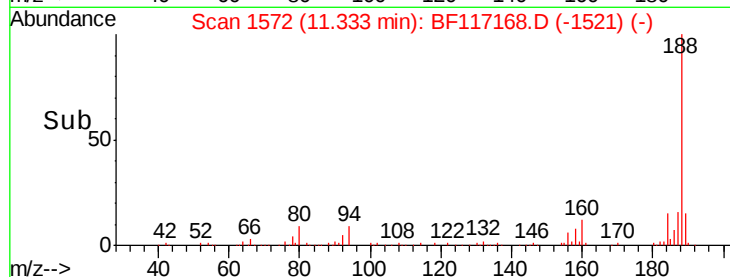
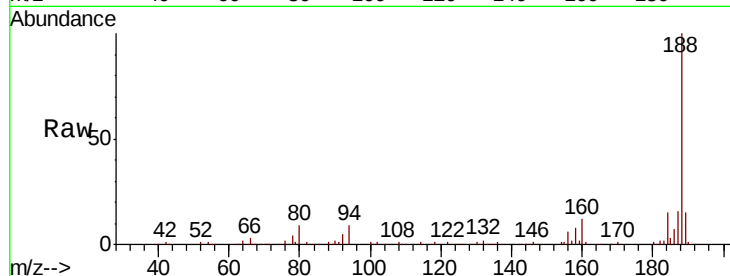
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampled :
SB-10DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.3	9.0	13.6

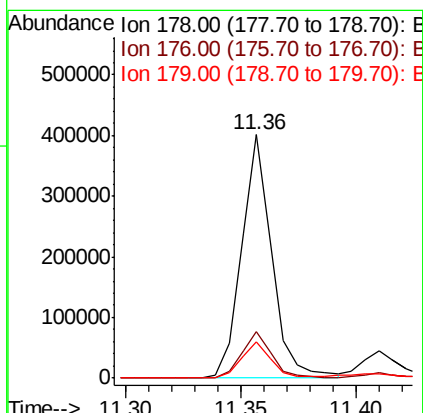
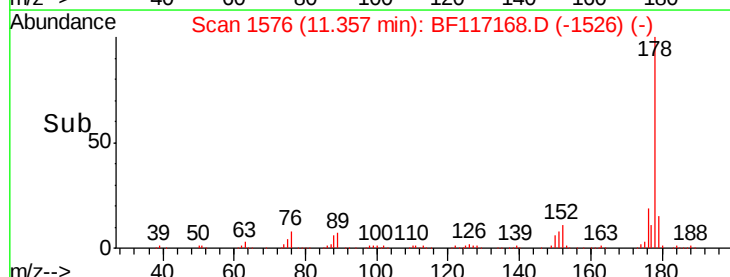
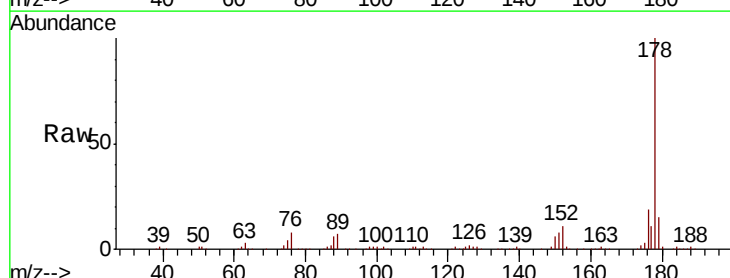
Manual Integrations
APPROVED

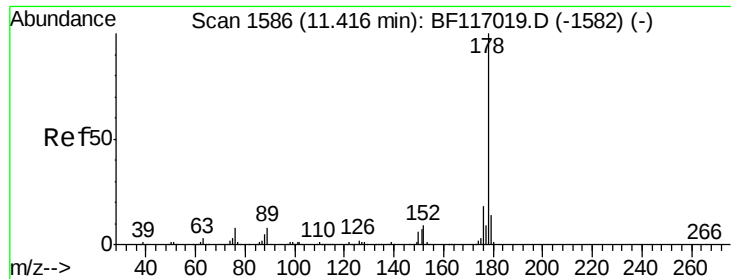
Jagrut
9/19/2019 10:42:23 AM



#71
Phenanthrene
Concen: 35.504 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.7	12.4	18.6





#72

Anthracene

Concen: 4.145 ng/mL

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Instrument :

BNA_F

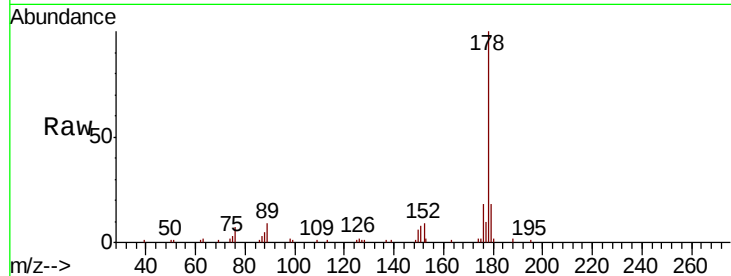
ClientSampleId :

SB-10DL

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.4	14.6	21.8	
179	17.8	11.6	17.4	

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM

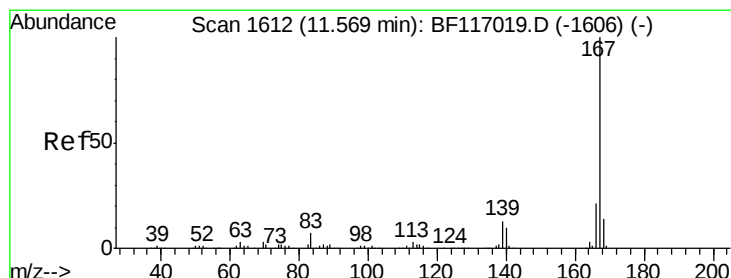
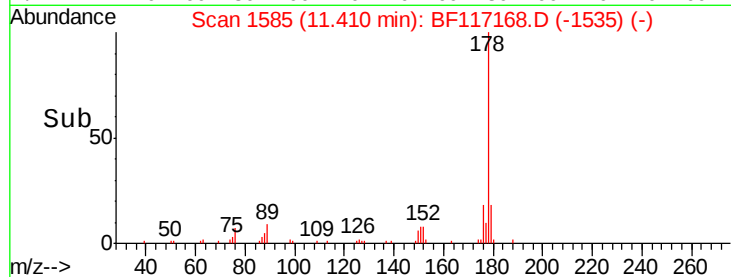
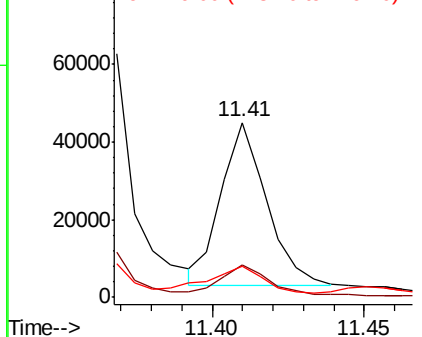


Abundance

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



#73

Carbazole

Concen: 3.617 ng/mL

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

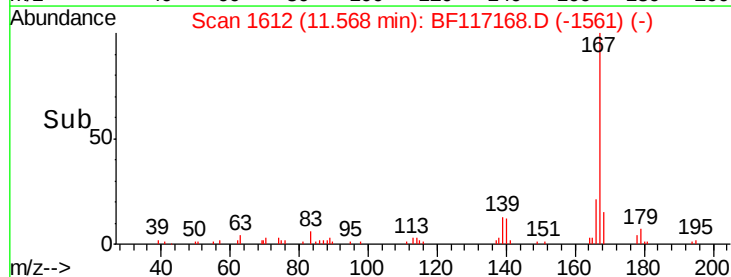
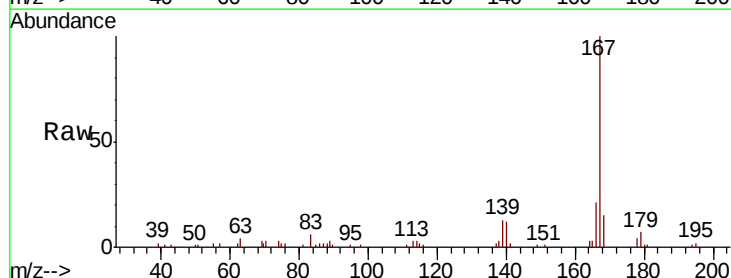
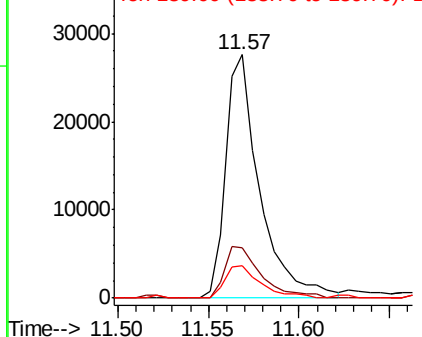
Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	20.8	17.2	25.8	
139	13.5	10.6	16.0	

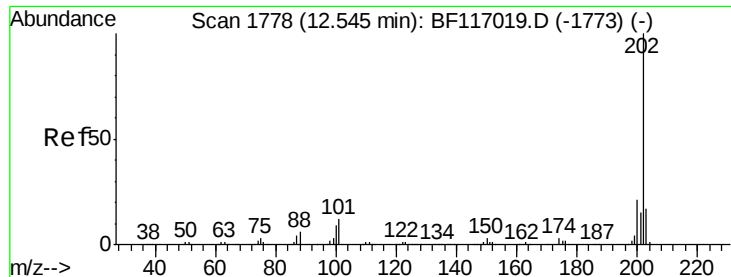
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 37.583 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Instrument :

BNA_F

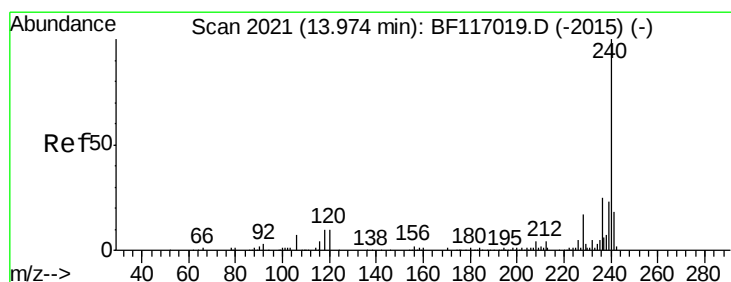
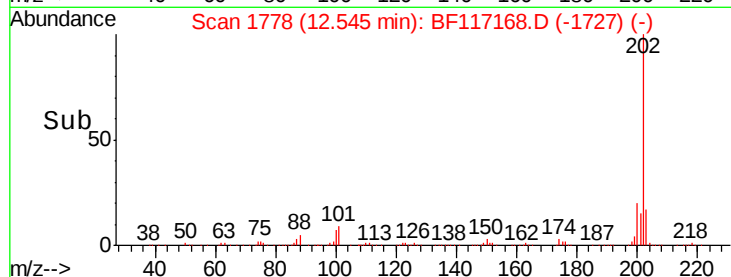
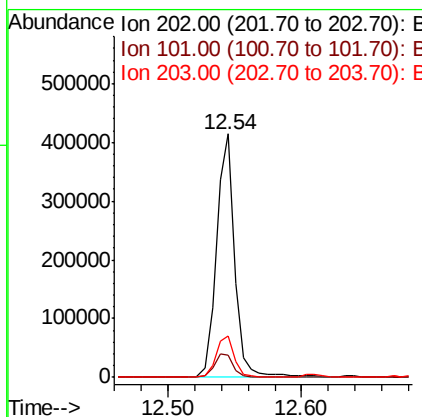
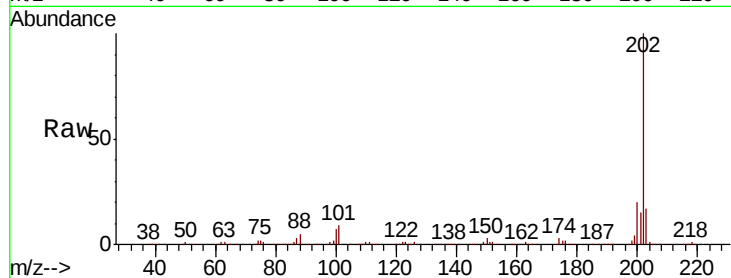
ClientSampled :

SB-10DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	0.0	32.3
203	16.9	0.0	37.1

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM



#76

Chrysene-d12

Concen: 20.000 ng

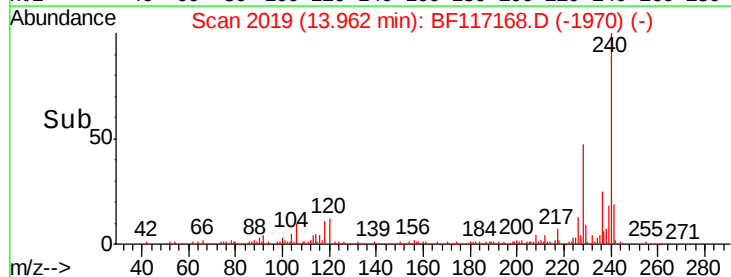
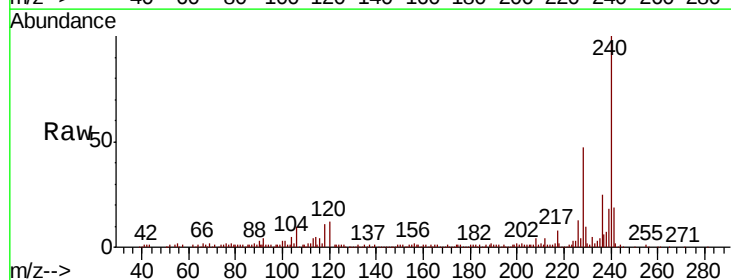
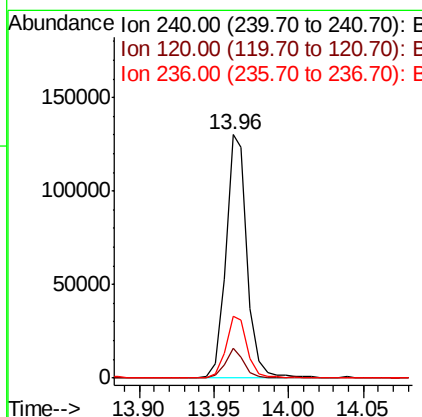
RT: 13.96 min Scan# 2019

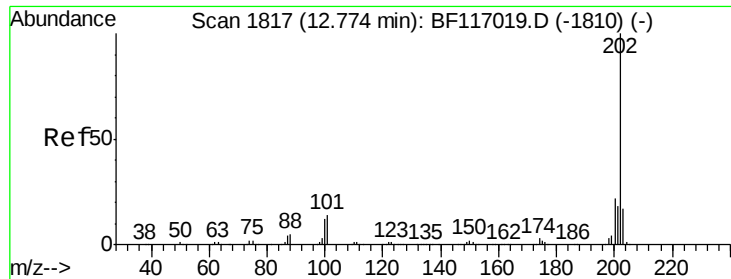
Delta R.T. -0.01 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	8.3	12.5
236	25.5	20.3	30.5





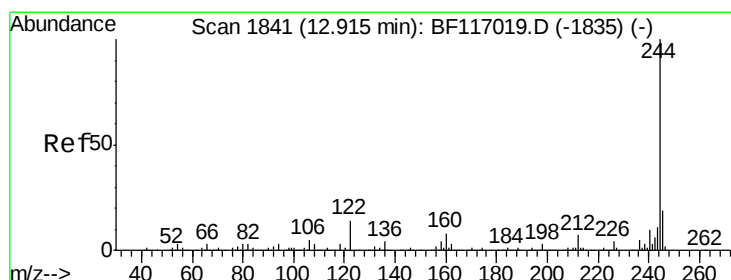
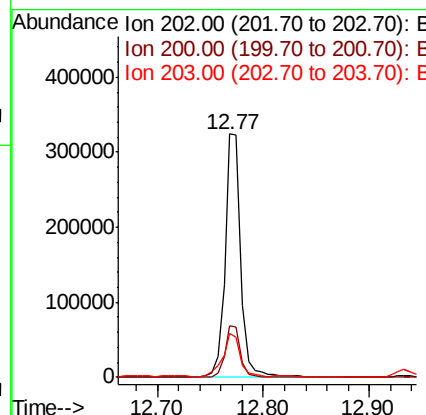
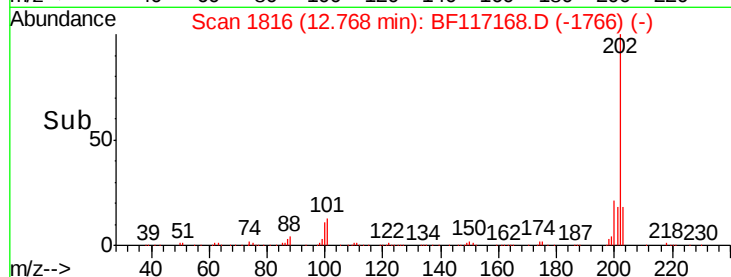
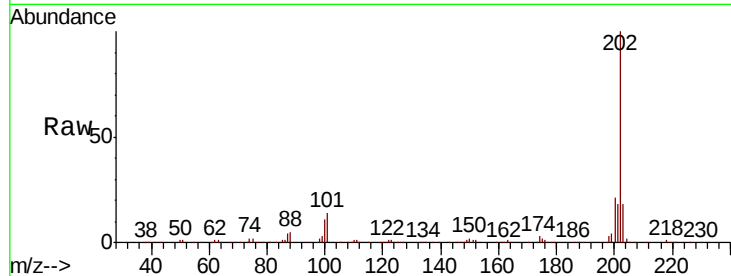
#78
Pvrene
Concen: 30.614 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :
SB-10DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.2	25.8	
203	18.1	14.0	21.0	

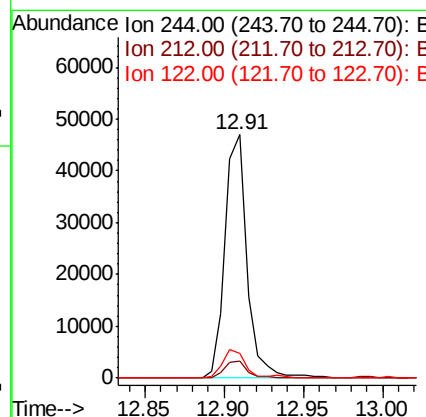
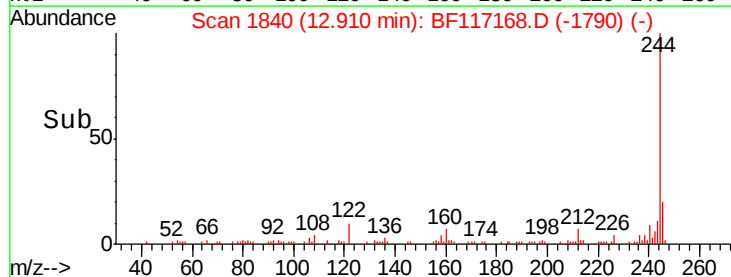
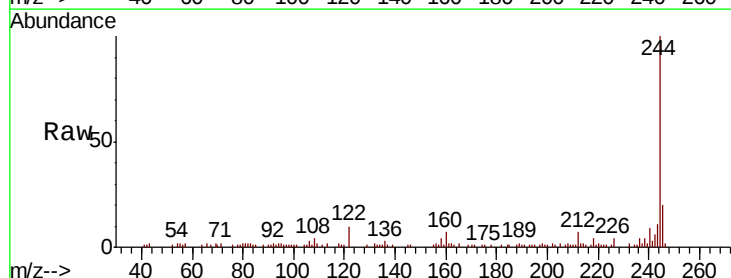
Manual Integrations
APPROVED

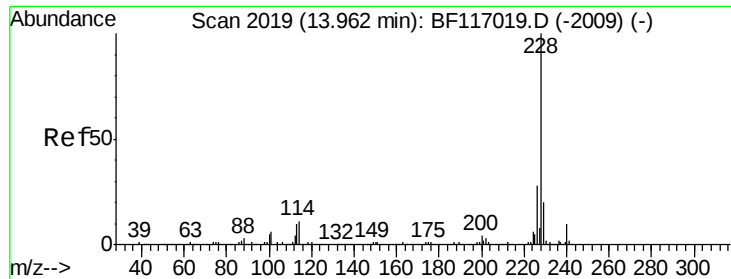
Jagrut
9/19/2019 10:42:23 AM



#79
Terphenyl-d14
Concen: 6.472 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.8	8.8	
122	10.3	11.3	16.9	





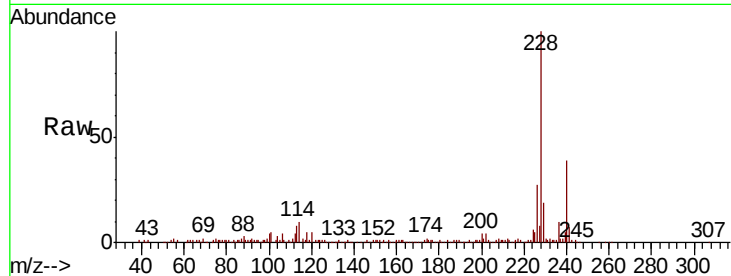
#81
Benzo(a)anthracene
Concen: 15.804 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :
SB-10DL

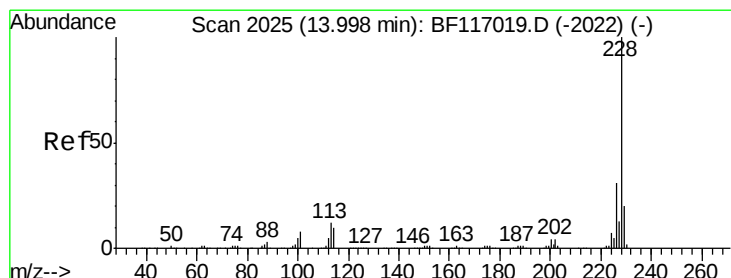
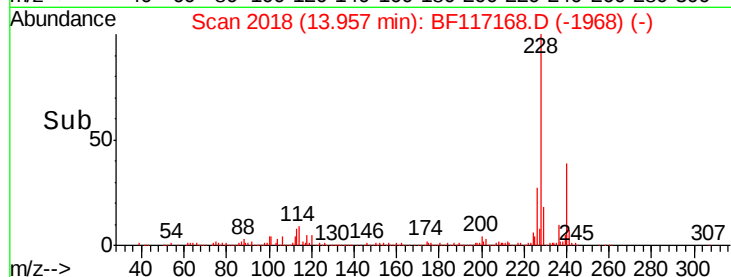
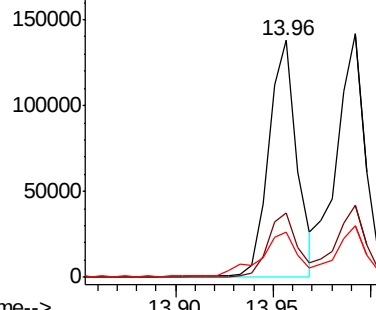
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	19.1	15.9	23.9

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM



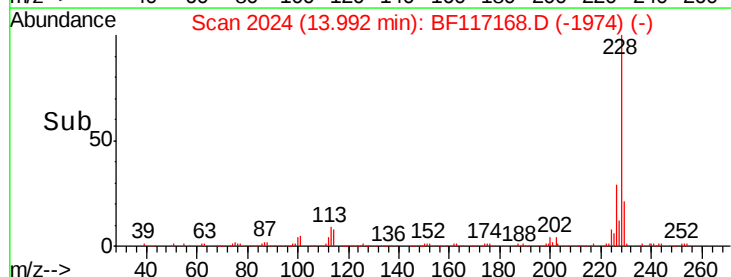
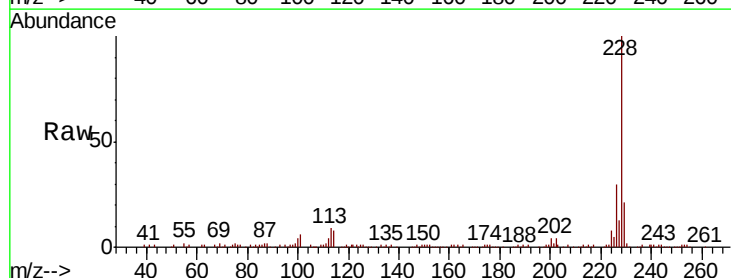
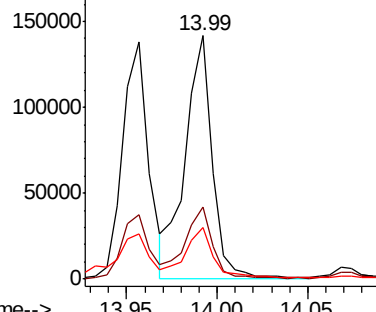
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

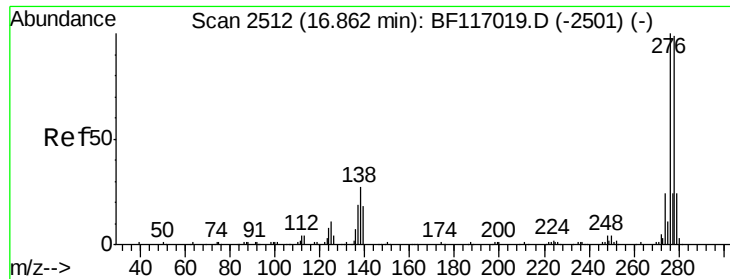


#83
Chrysene
Concen: 17.235 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.8	37.2
229	21.1	15.8	23.8

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





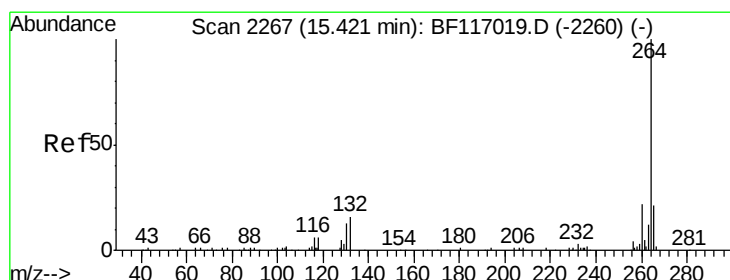
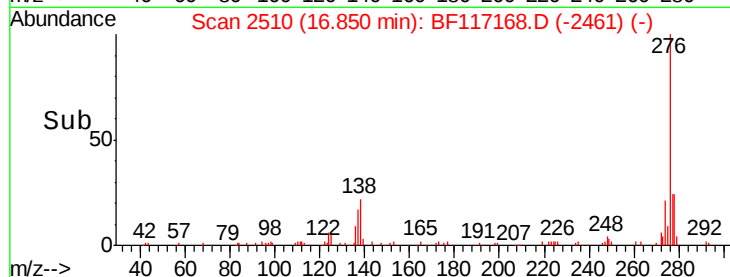
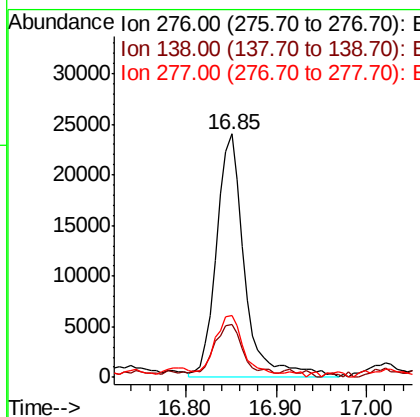
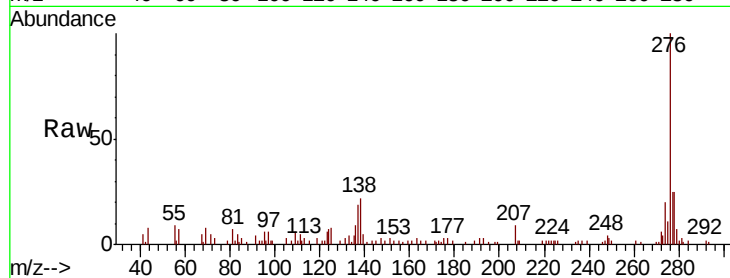
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.282 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.7	31.1
277	22.2	19.8	29.8

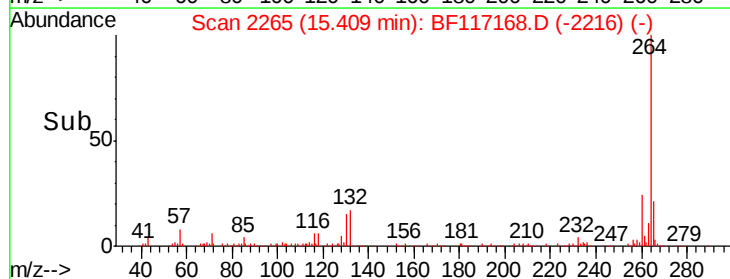
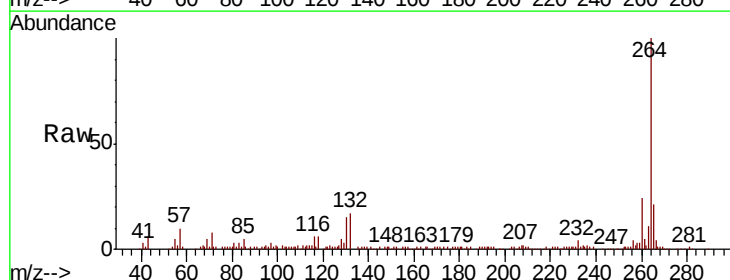
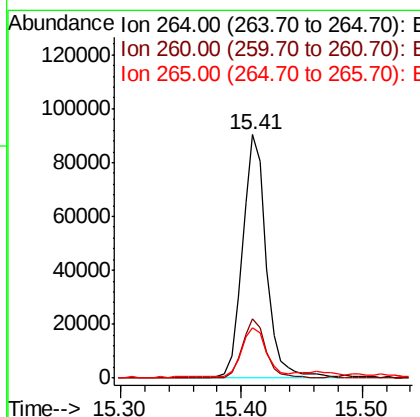
Manual Integrations
 APPROVED

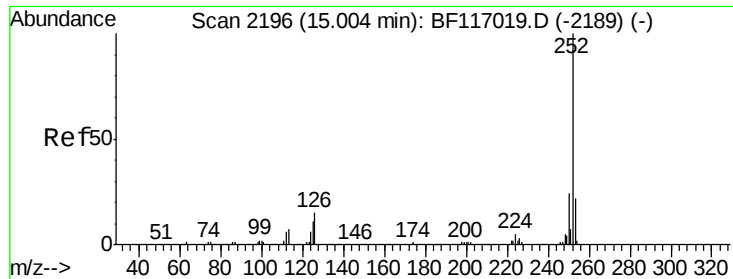
Jagrut
 9/19/2019 10:42:23 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.6	26.4
265	20.8	16.6	24.8





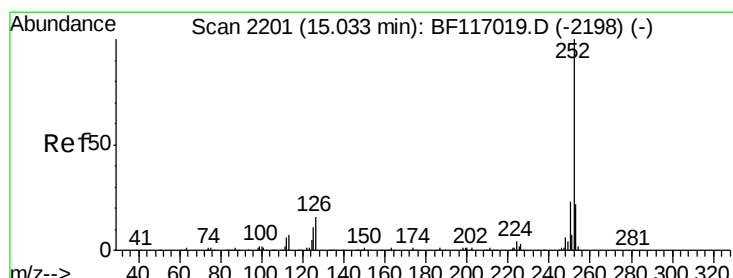
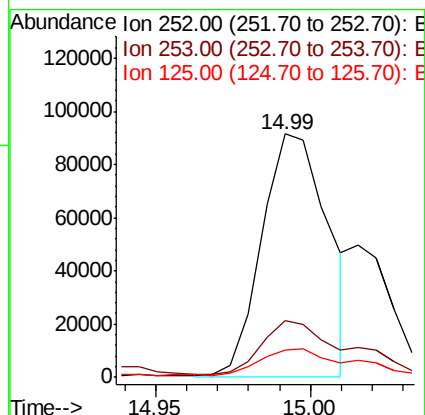
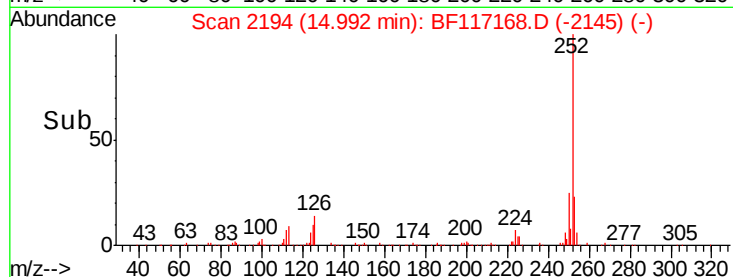
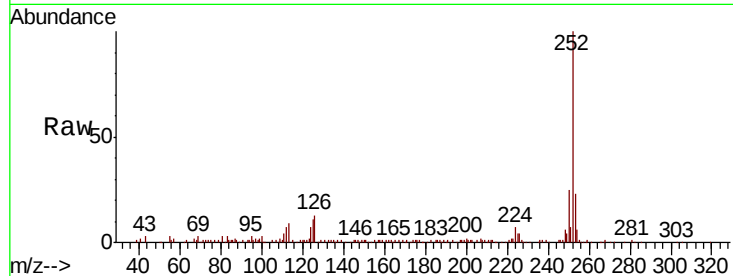
#88
Benzo(b)fluoranthene
Concen: 18.035 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :
SB-10DL

Tot Ion:	252	Resp:	136289
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	11.2	8.6	12.8

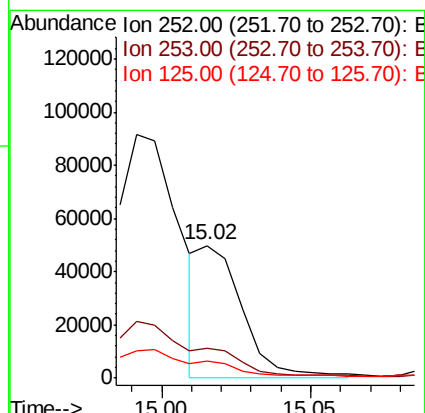
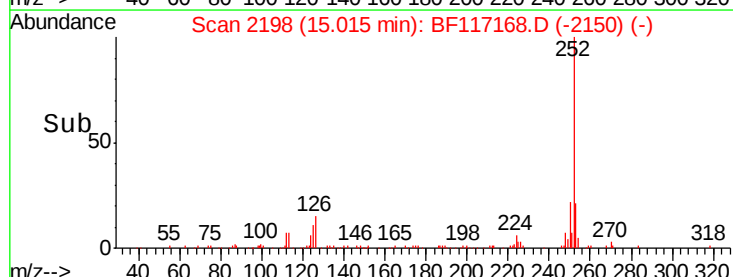
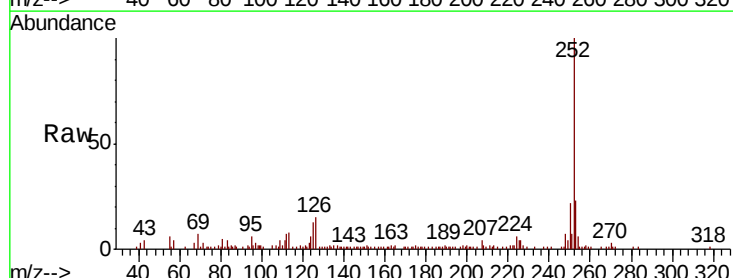
Manual Integrations
APPROVED

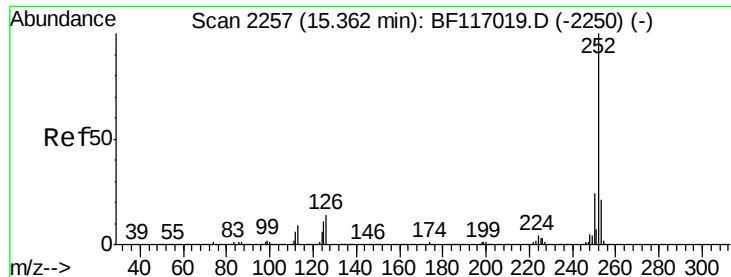
Jagrut
9/19/2019 10:42:23 AM



#89
Benzo(k)fluoranthene
Concen: 6.981 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:	252	Resp:	49974
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	12.6	8.8	13.2





#90

Benzo(a)pyrene

Concen: 13.463 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Instrument :

BNA_F

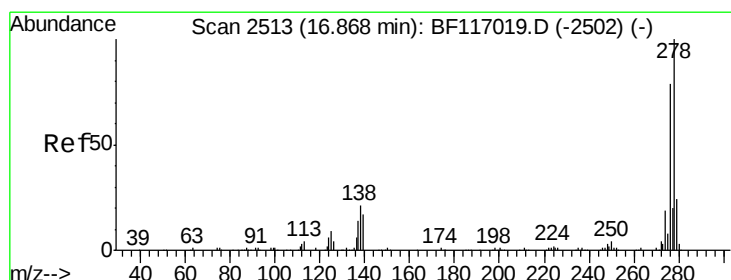
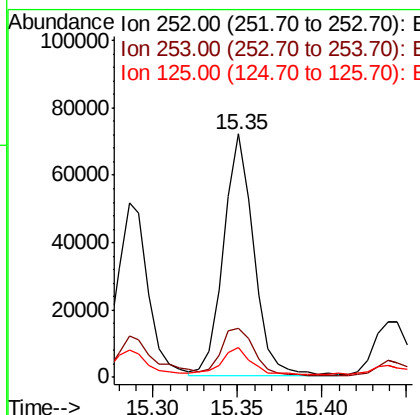
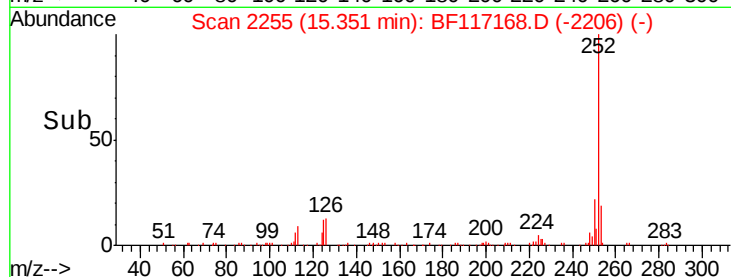
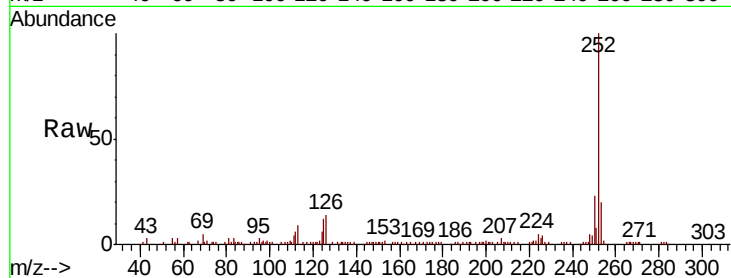
ClientSampleID :

SB-10DL

Tot Ion:	252	Resp:	89278
Ion Ratio	Lower	Upper	
252	100		
253	20.4	16.6	25.0
125	12.5	8.9	13.3

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:23 AM



#91

Dibenzo(a,h)anthracene

Concen: 2.430 ng

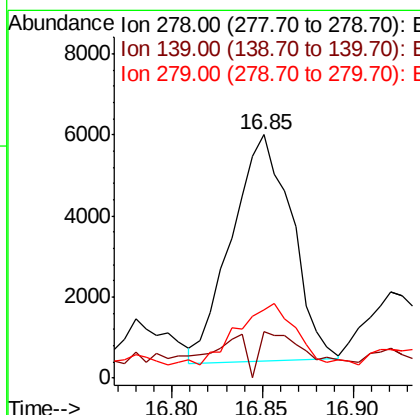
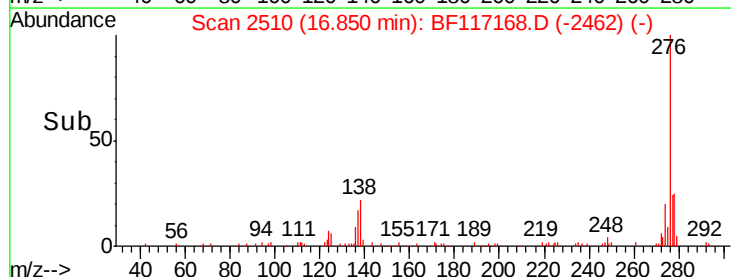
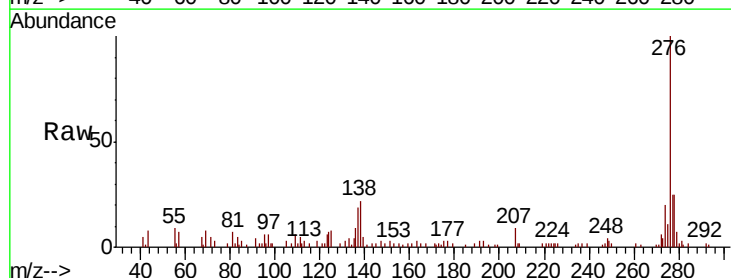
RT: 16.85 min Scan# 2510

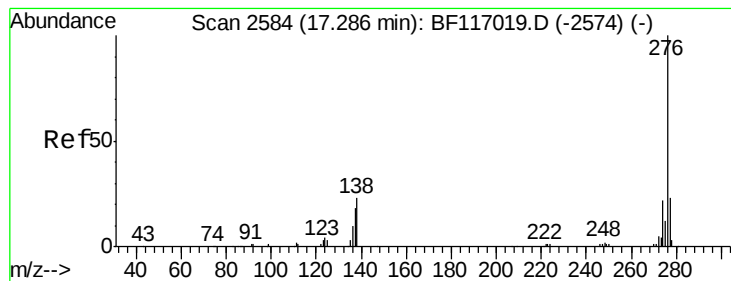
Delta R.T. -0.02 min

Lab File: BF117168.D

Acq: 19 Sep 2019 1:47

Tgt Ion:	278	Resp:	12836
Ion Ratio	Lower	Upper	
278	100		
139	18.9	13.5	20.3
279	27.8	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 8.843 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: BF117168.D
 Acq: 19 Sep 2019 1:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DL

Tot Ion:	276	Resp:	46549
Ion Ratio		Lower	Upper
276	100		
277	25.3	18.6	27.8
138	21.5	18.0	27.0

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:23 AM

