

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
 Data File : BF116460.D
 Acq On : 21 Aug 2019 12:47
 Operator : HP/JU
 Sample : K4354-02 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PX-02-081319

Manual Integrations
 APPROVED

Jagrut
 8/22/2019 1:58:11 PM

Quant Time: Aug 21 16:36:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	97640	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	399780	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	223149	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	425140	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	298444	20.00	ng	-0.02
87) Perylene-d12	15.42	264	319361	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	285724	48.99	ng	-0.02
7) Phenol-d6	6.44	99	405211	55.07	ng	-0.02
23) Nitrobenzene-d5	7.36	82	245514	35.45	ng	-0.03
42) 2,4,6-Tribromophenol	10.62	330	104006	48.07	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	443858	37.26	ng	-0.02
79) Terphenyl-d14	12.89	244	523166	36.94	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.55	163	86721	5.708	ng	98
52) Acenaphthene	9.86	154	34885	2.973	ng	100
58) Fluorene	10.38	166	30374	2.313	ng	99
71) Phenanthrene	11.34	178	587879	27.049	ng	100
72) Anthracene	11.39	178	129269	5.877	ng	98
73) Carbazole	11.56	167	72216	3.619	ng	98
75) Fluoranthene	12.53	202	909150	39.957	ng	98
78) Pyrene	12.76	202	772831	34.352	ng	100
81) Benzo(a)anthracene	13.95	228	362231	18.989	ng	99
83) Chrysene	13.99	228	305260	16.483	ng	98
84) Bis(2-ethylhexyl)phthalate	13.92	149	29962	2.423	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	159068	10.227	ng	96
88) Benzo(b)fluoranthene	15.00	252	400062m	21.665	ng	
89) Benzo(k)fluoranthene	15.02	252	133432m	7.419	ng	
90) Benzo(a)pyrene	15.36	252	279689	16.944	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	36396m	2.547	ng	
92) Benzo(a,h,i)perylene	17.33	276	146750	10.458	ng	96

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

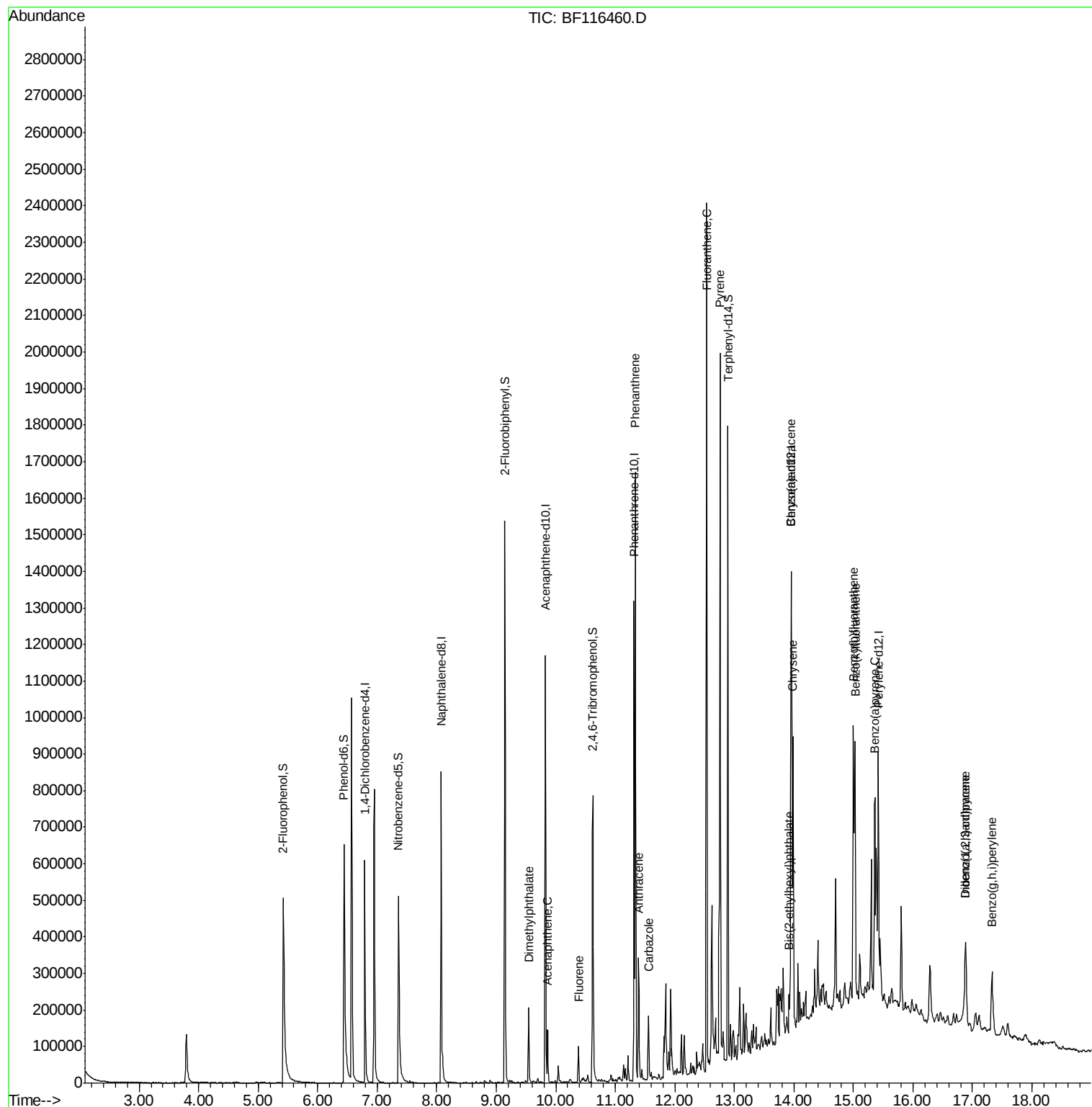
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116460.D
Acq On : 21 Aug 2019 12:47
Operator : HP/JU
Sample : K4354-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

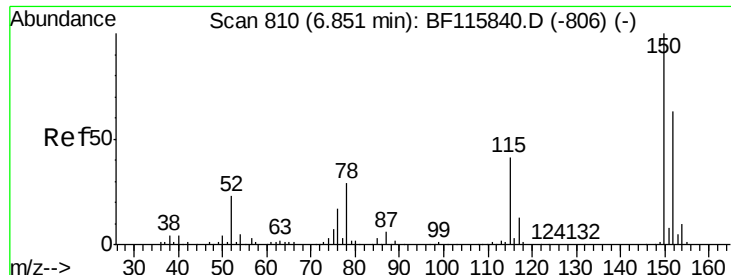
Instrument :
BNA_F
ClientSampleId :
PX-02-081319

Manual Integrations
APPROVED

Jagrut
8/22/2019 1:58:11 PM

Quant Time: Aug 21 16:36:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 06:03:31 2019
Response via : Initial Calibration





#1

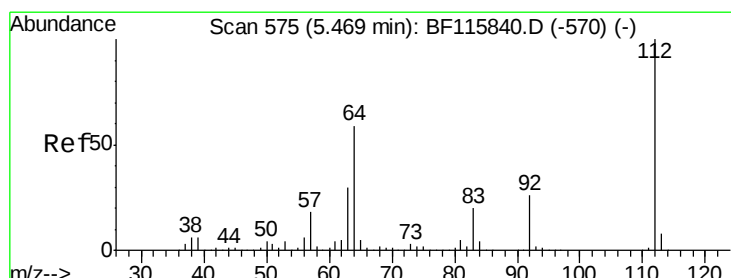
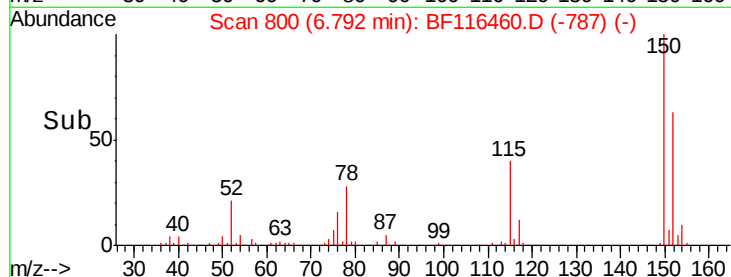
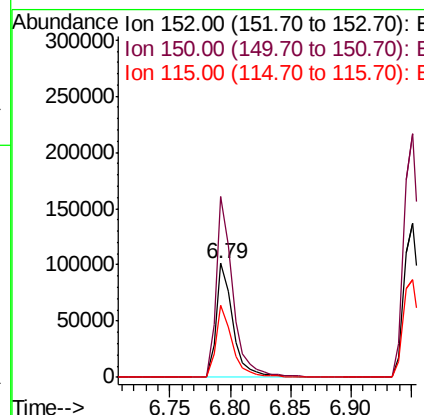
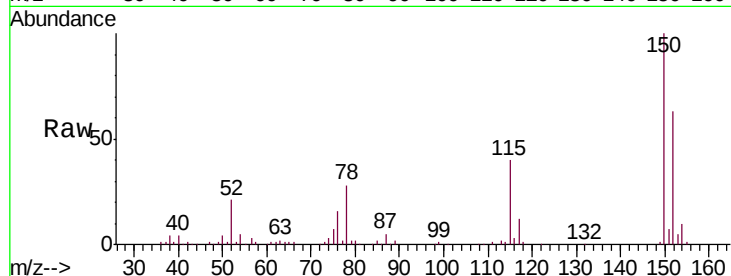
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Instrument :
BNA_F
ClientSampled :
PX-02-081319

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	63.4	49.9	74.9

Manual Integrations
APPROVED

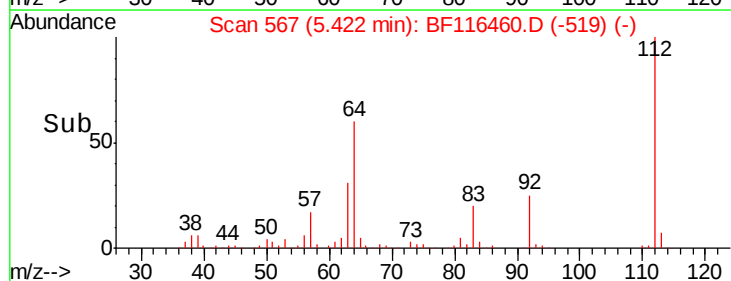
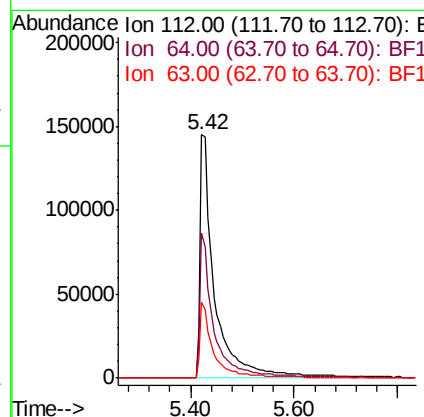
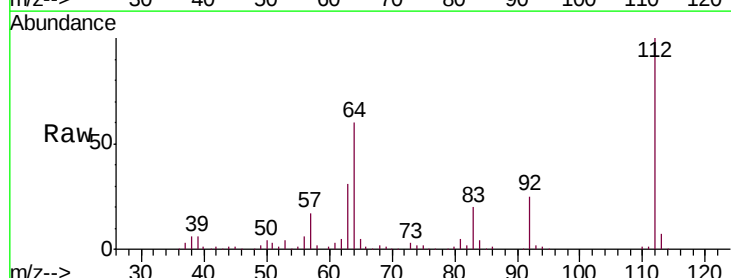
Jagrut
8/22/2019 1:58:11 PM



#5

2-Fluorophenol
Concen: 48.988 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.4	68.2
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 55.065 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Instrument :

BNA_F

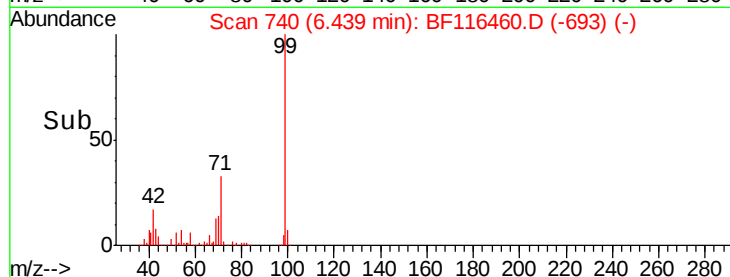
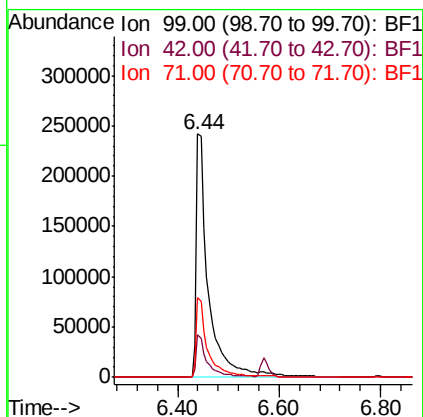
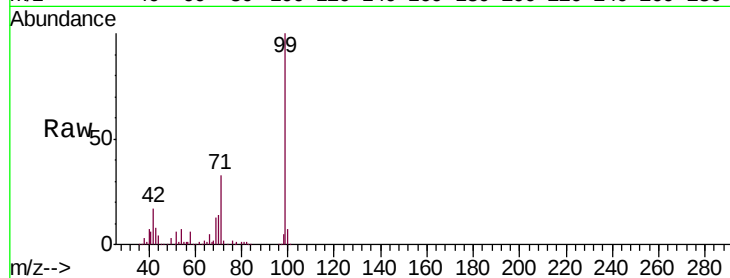
ClientSampleId :

PX-02-081319

Tot Ion:	99	Resp:	405211
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.8	20.8
71	33.0	27.3	40.9

Manual Integrations
APPROVED

Jagrut
8/22/2019 1:58:11 PM



#21

Naphthalene-d8

Concen: 20.000 ng

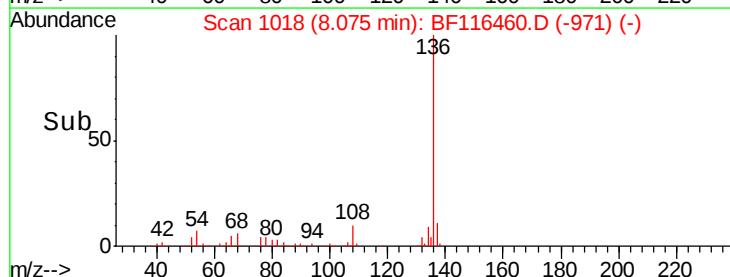
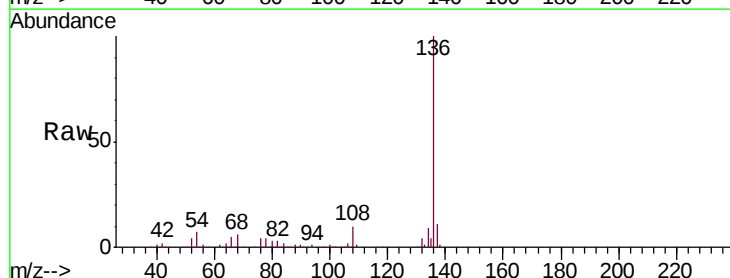
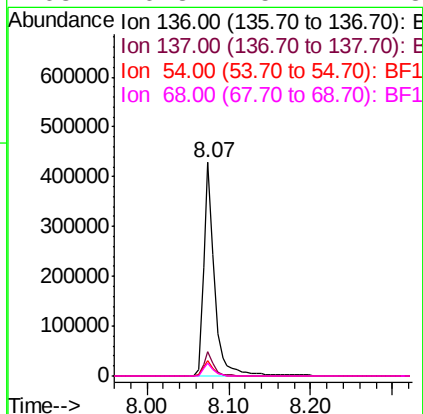
RT: 8.07 min Scan# 1018

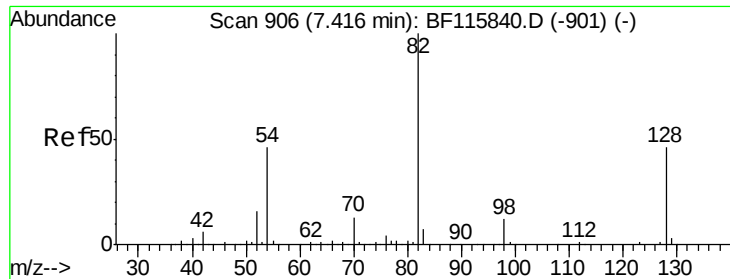
Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Tgt Ion:	136	Resp:	399780
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	7.1	5.8	8.6
68	6.3	5.2	7.8





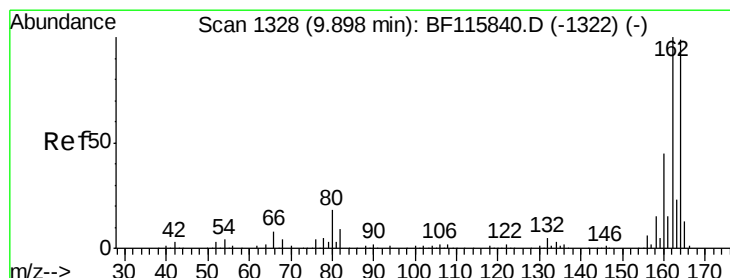
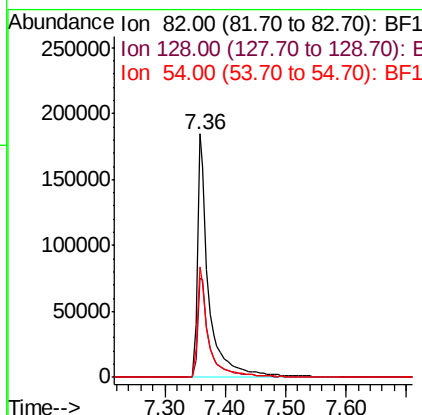
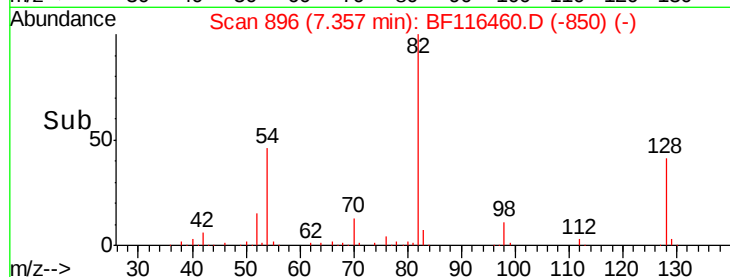
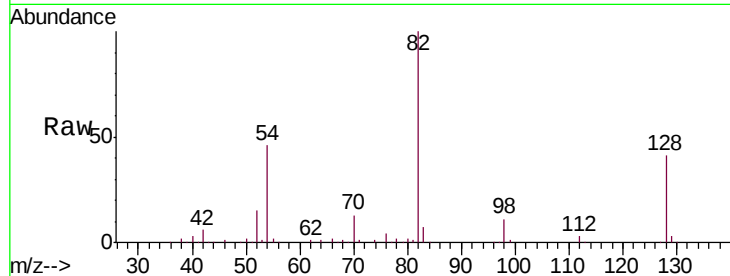
#23
 Nitrobenzene-d5
 Concen: 35.449 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.03 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampleId :
 PX-02-081319

Tot Ion	Ratio	Resp	Lower	Upper
82	100	245514		
128	40.7		36.5	54.7
54	45.6		36.0	54.0

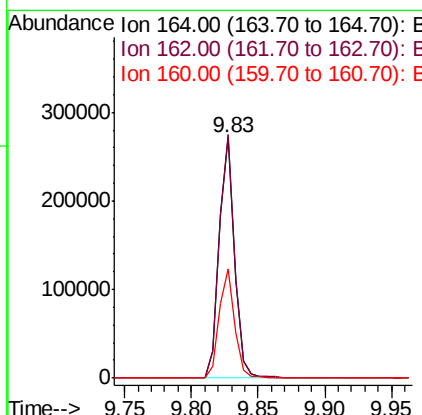
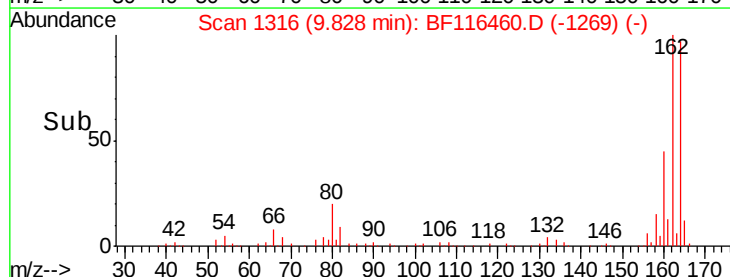
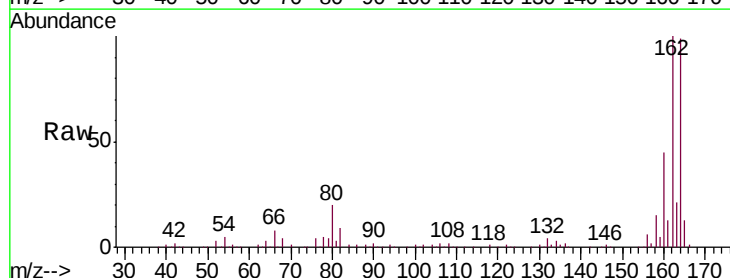
Manual Integrations
 APPROVED

Jagrut
 8/22/2019 1:58:11 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	223149		
162	101.1		82.6	124.0
160	45.5		37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 48.073 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Instrument :

BNA_F

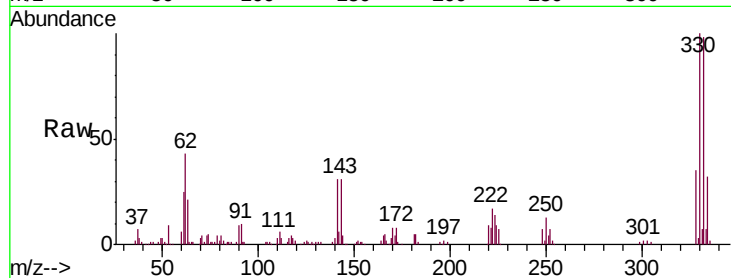
ClientSampled :

PX-02-081319

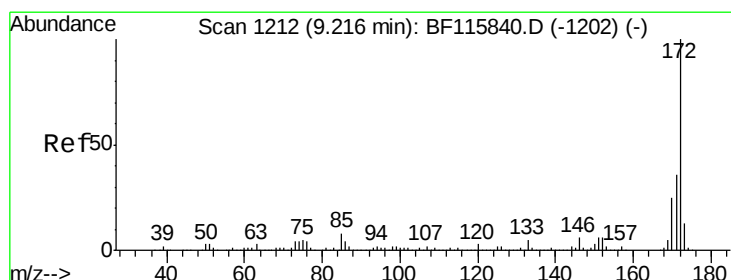
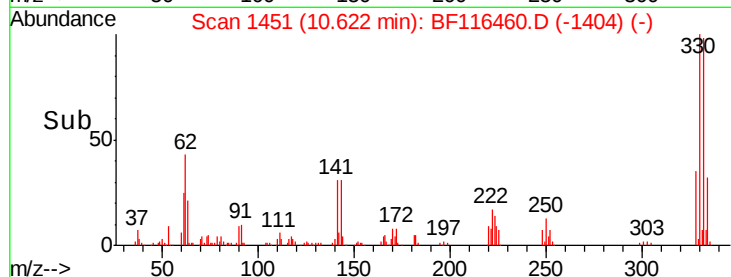
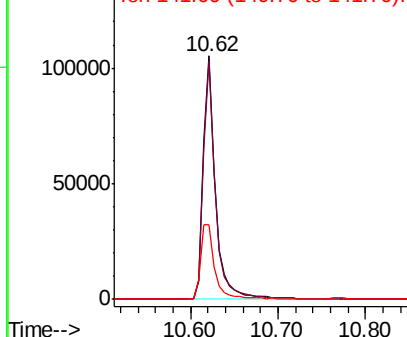
Tot Ion:	330	Resp:	104006
Ion Ratio	Lower	Upper	
330	100		
332	98.0	76.8	115.2
141	35.5	26.3	39.5

Manual Integrations
APPROVED

Jagrut
8/22/2019 1:58:11 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: 37.257 ng

RT: 9.15 min Scan# 1200

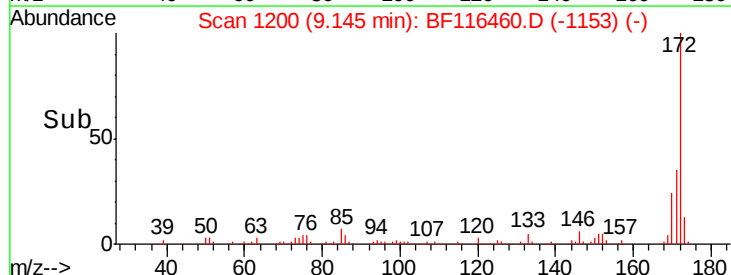
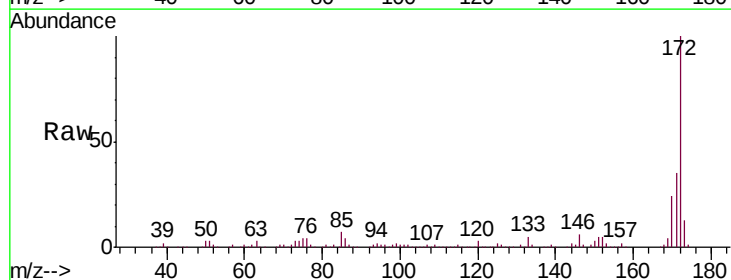
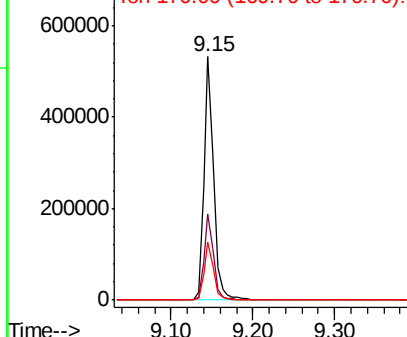
Delta R.T. -0.02 min

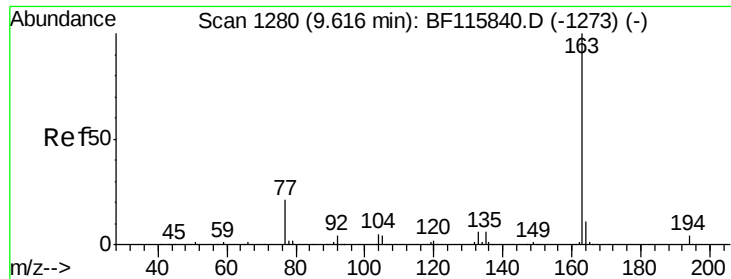
Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Tgt Ion:	172	Resp:	443858
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.6	44.4
170	23.6	20.1	30.1

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: 5.708 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Instrument :

BNA_F

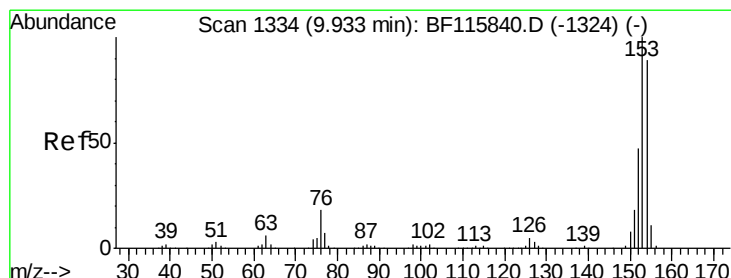
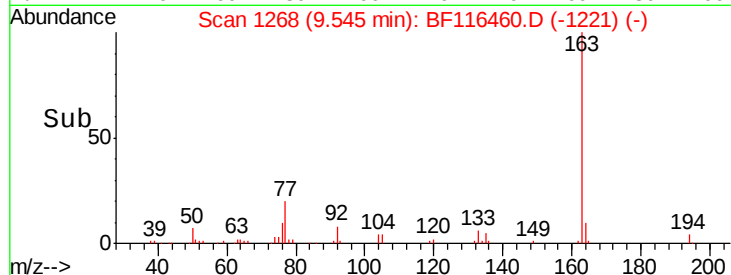
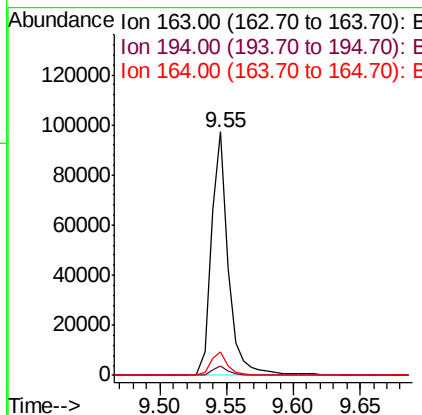
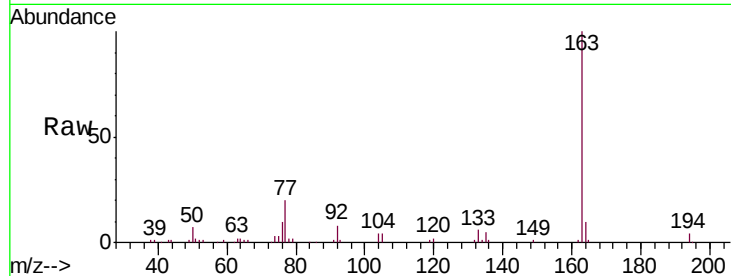
ClientSampleId :

PX-02-081319

Tot Ion:	163	Resp:	86721
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	9.8	8.4	12.6

Manual Integrations
APPROVED

Jagrut
8/22/2019 1:58:11 PM



#52

Acenaphthene

Concen: 2.973 ng

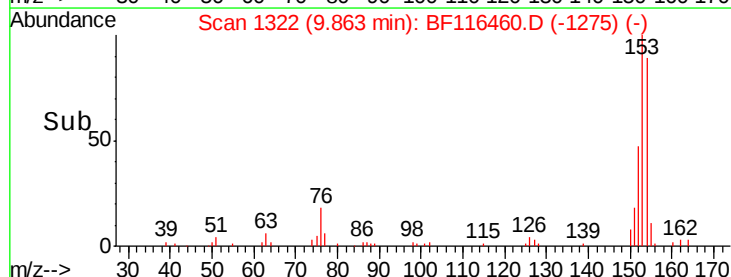
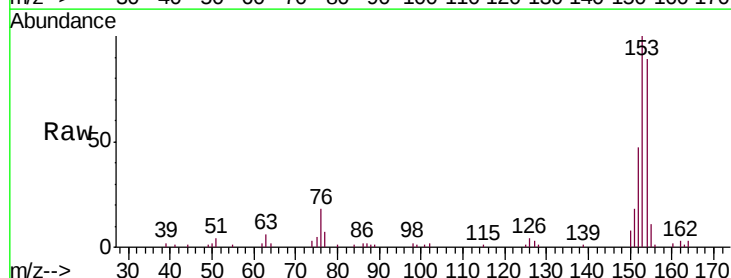
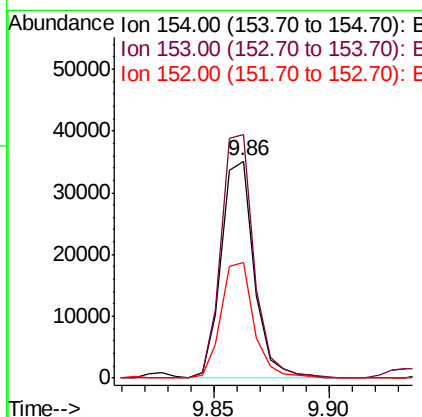
RT: 9.86 min Scan# 1322

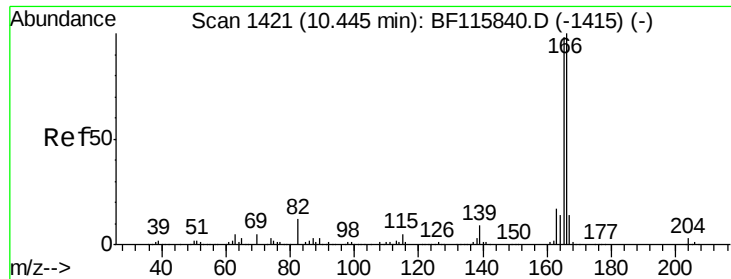
Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Tgt Ion:	154	Resp:	34885
Ion Ratio	Lower	Upper	
154	100		
153	112.2	89.4	134.0
152	53.1	42.3	63.5





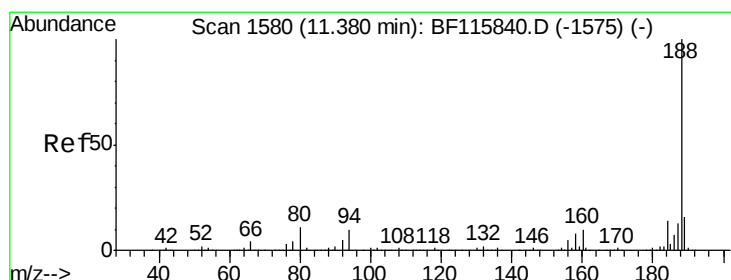
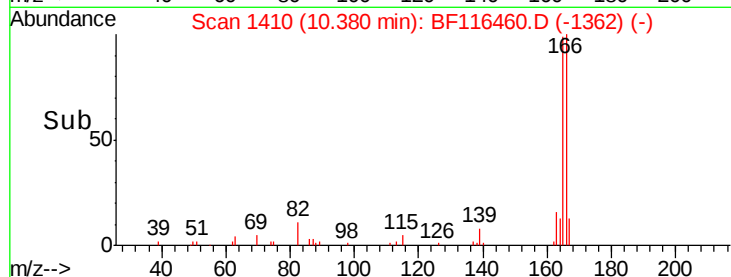
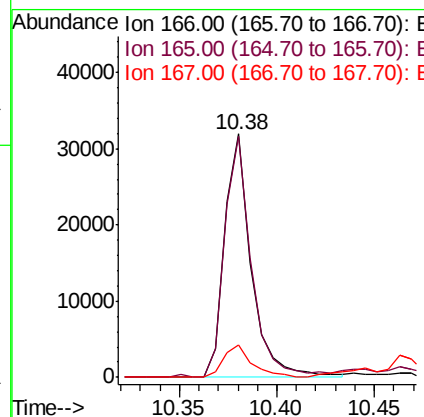
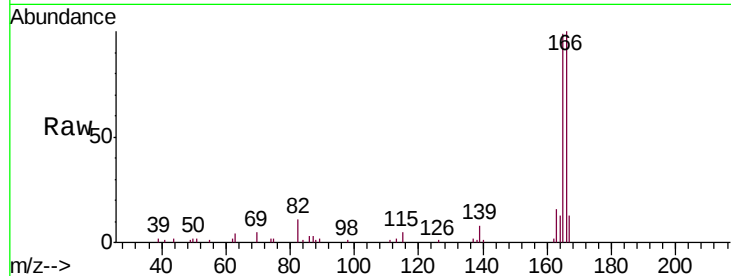
#58
 Fluorene
 Concen: 2.313 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampleId :
 PX-02-081319

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	99.2	78.4	117.6	
167	13.4	11.0	16.4	

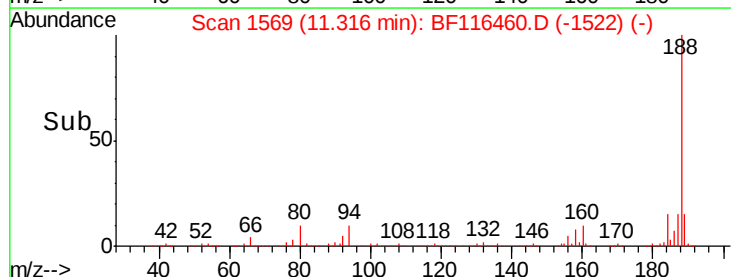
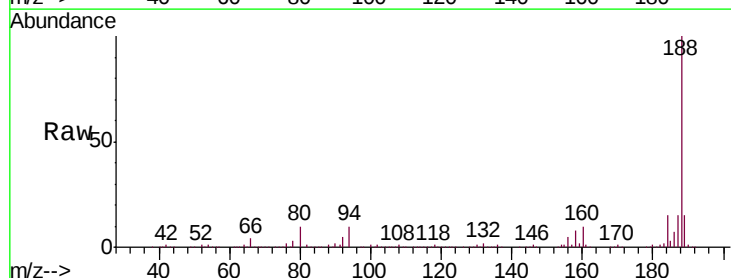
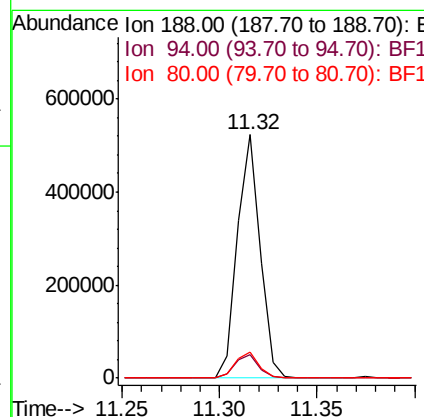
Manual Integrations
 APPROVED

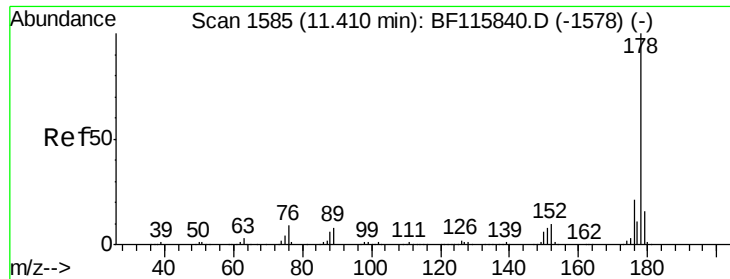
Jagrut
 8/22/2019 1:58:11 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.8	8.1	12.1	
80	10.5	8.7	13.1	





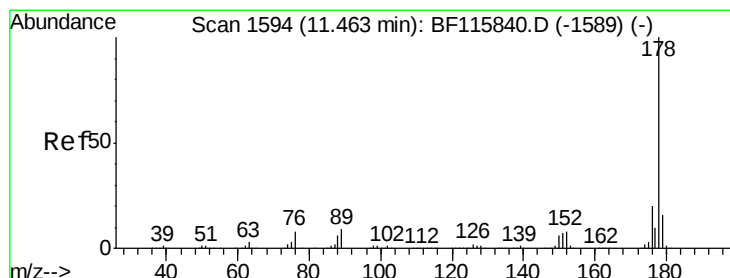
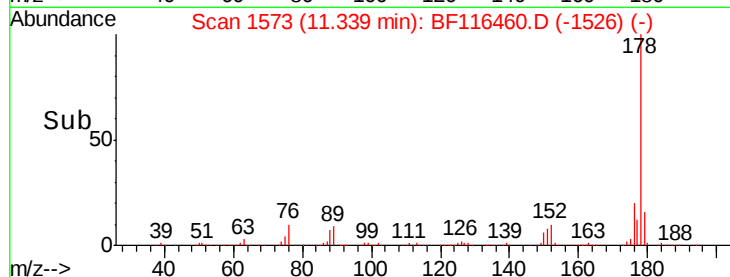
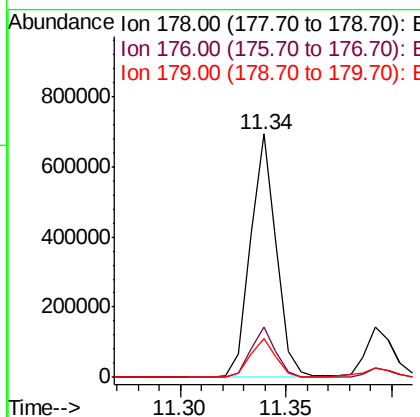
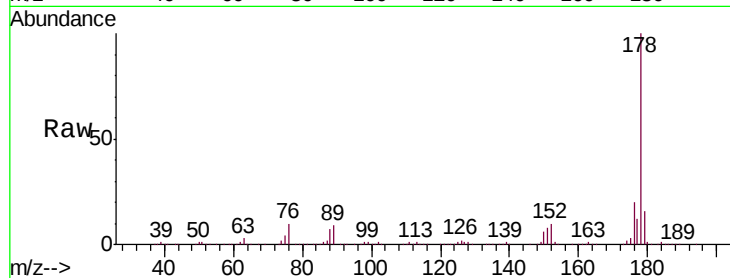
#71
Phenanthrene
Concen: 27.049 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Instrument :
BNA_F
ClientSampleId :
PX-02-081319

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.6	24.8
179	15.7	12.5	18.7

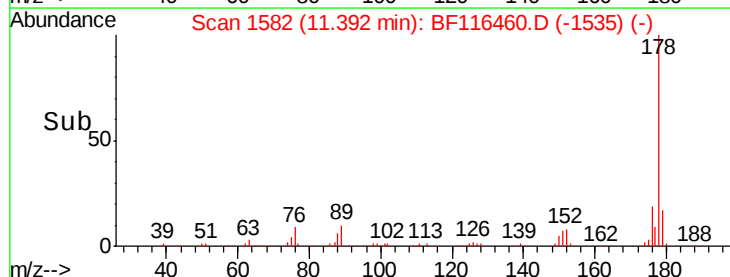
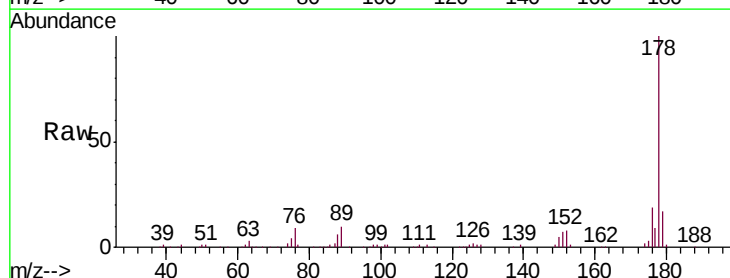
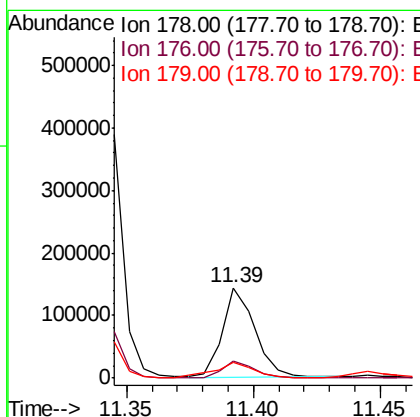
Manual Integrations
APPROVED

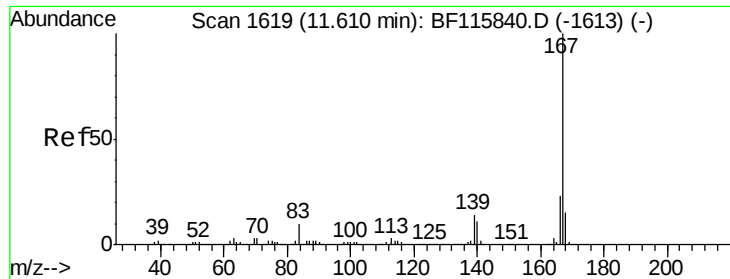
Jagrut
8/22/2019 1:58:11 PM



#72
Anthracene
Concen: 5.877 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	17.3	13.0	19.6





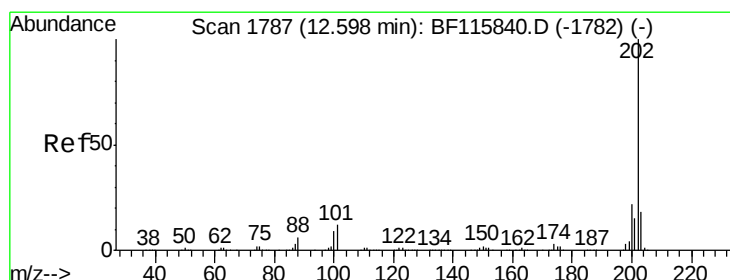
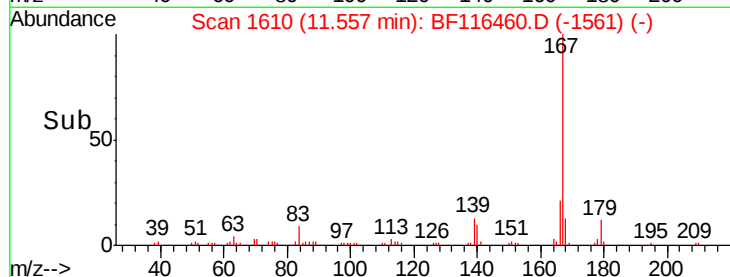
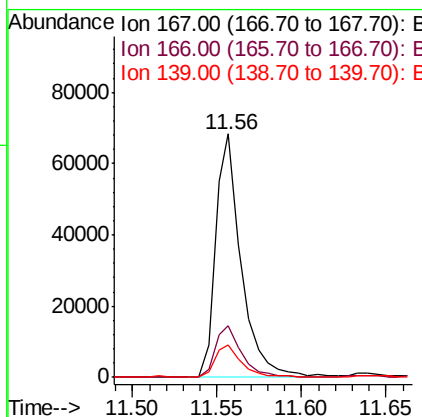
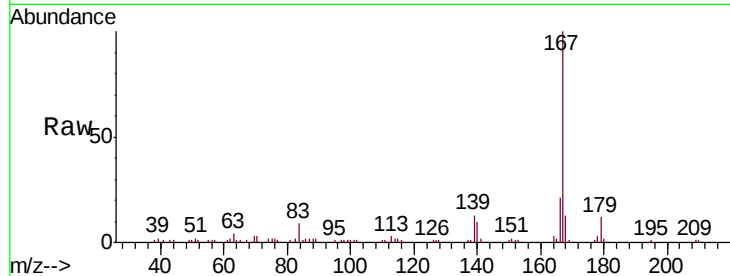
#73
 Carbazole
 Concen: 3.619 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampleId :
 PX-02-081319

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.8	26.6
139	13.5	11.4	17.0

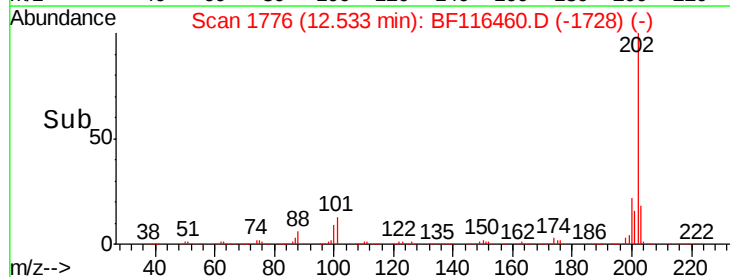
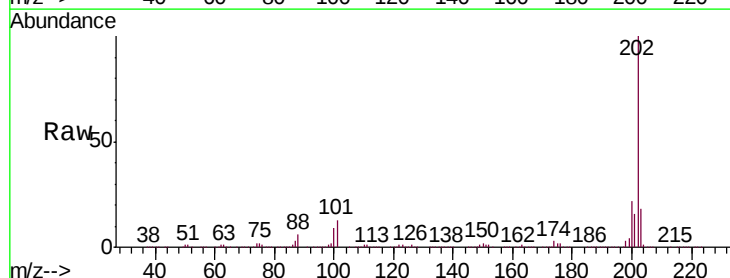
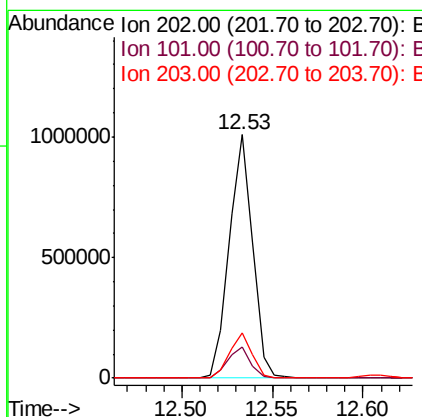
Manual Integrations
 APPROVED

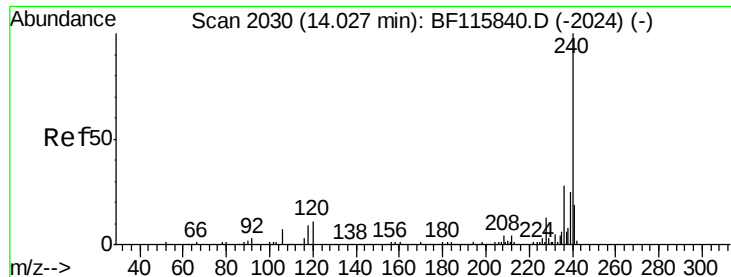
Jagrut
 8/22/2019 1:58:11 PM



#75
 Fluoranthene
 Concen: 39.957 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.2
203	18.4	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Instrument :

BNA_F

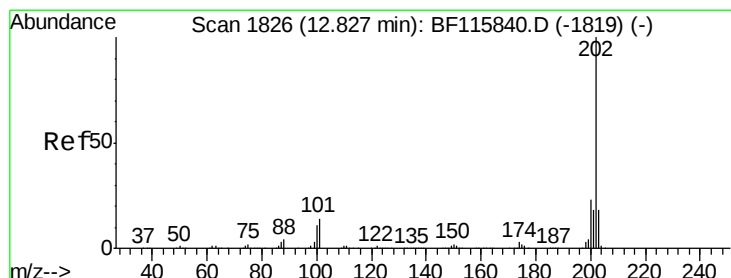
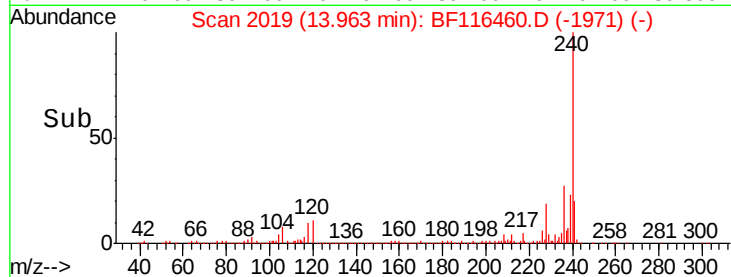
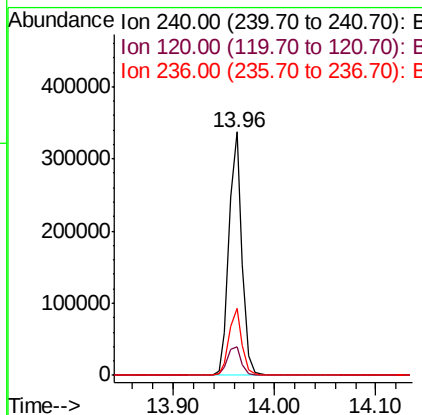
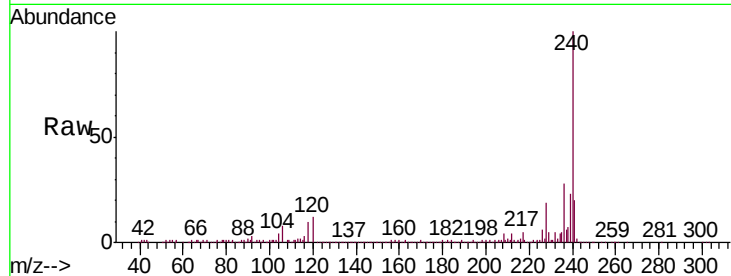
ClientSampleId :

PX-02-081319

Tot Ion:	240	Resp:	298444
Ion Ratio		Lower	Upper
240	100		
120	11.5	10.7	16.1
236	27.5	22.2	33.2

Manual Integrations
APPROVED

Jagrut
8/22/2019 1:58:11 PM



#78

Pyrene

Concen: 34.352 ng

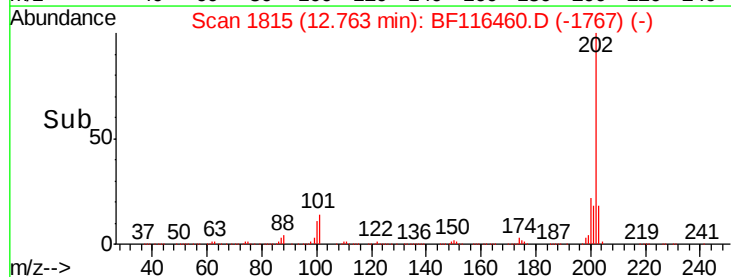
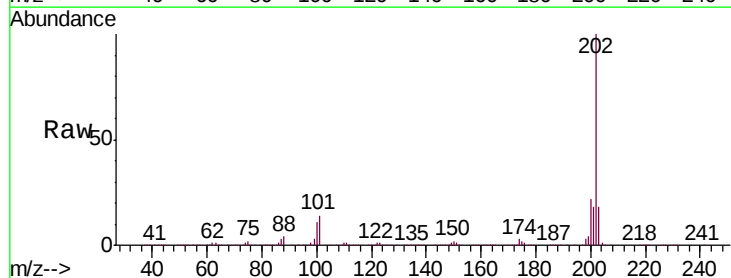
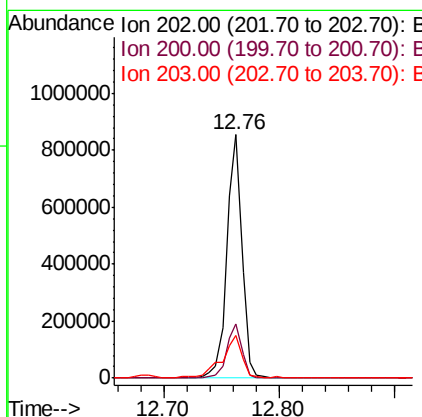
RT: 12.76 min Scan# 1815

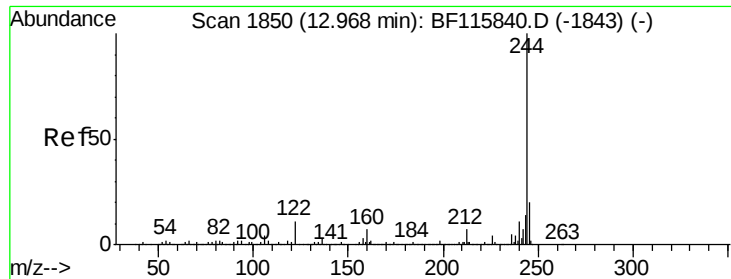
Delta R.T. -0.02 min

Lab File: BF116460.D

Acq: 21 Aug 2019 12:47

Tgt Ion:	202	Resp:	772831
Ion Ratio		Lower	Upper
202	100		
200	22.3	18.0	27.0
203	17.7	14.1	21.1





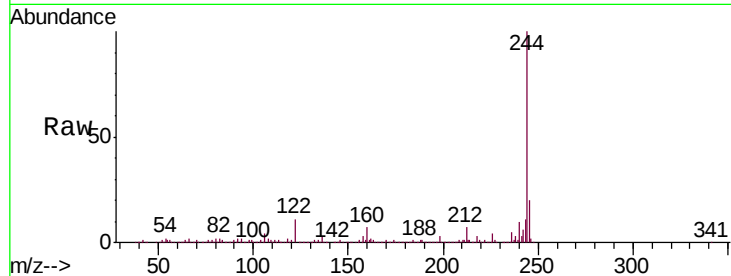
#79
 Terphenyl-d14
 Concen: 36.938 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampleId :
 PX-02-081319

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.2	9.0	13.4

Manual Integrations
 APPROVED

Jagrut
 8/22/2019 1:58:11 PM

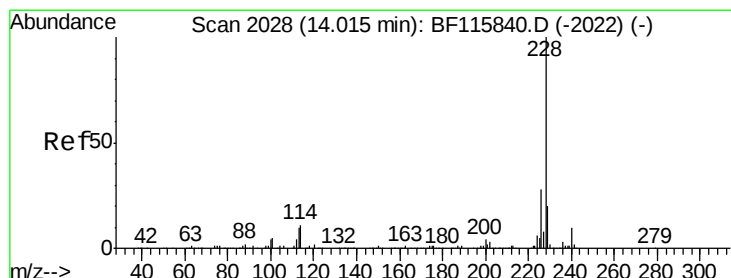
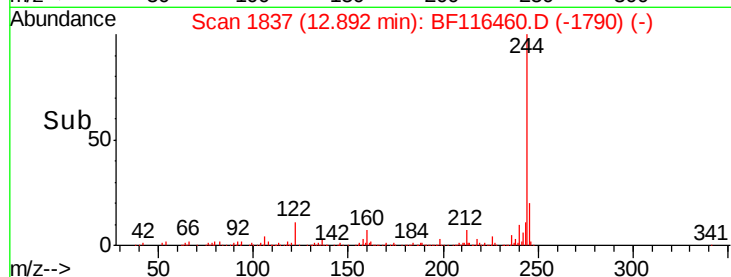
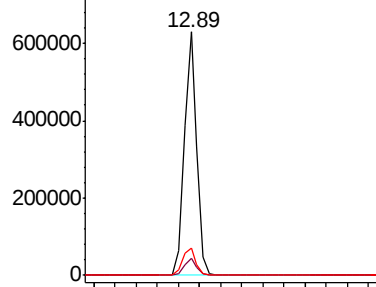


Abundance

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: 18.989 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

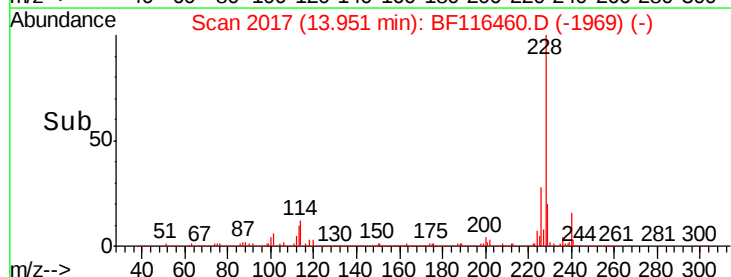
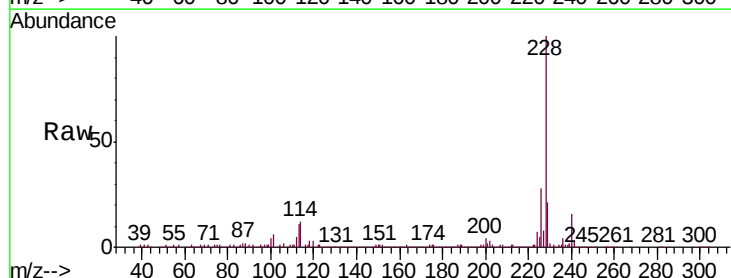
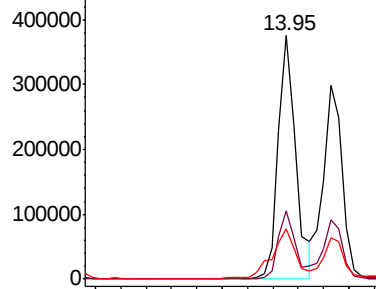
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	20.7	16.2	24.4

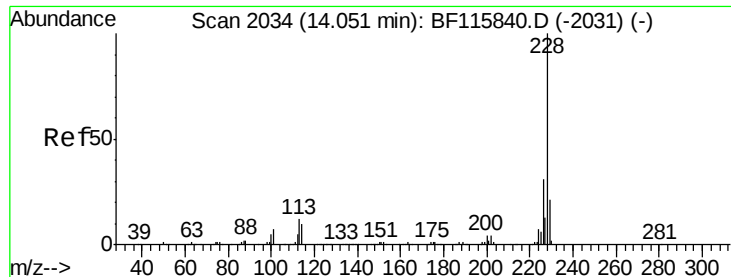
Abundance

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





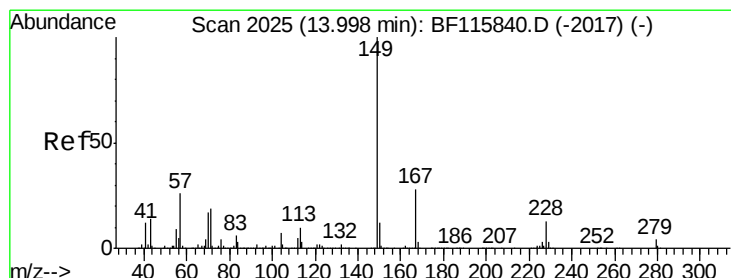
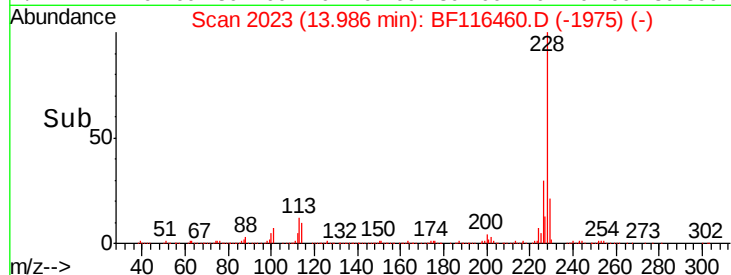
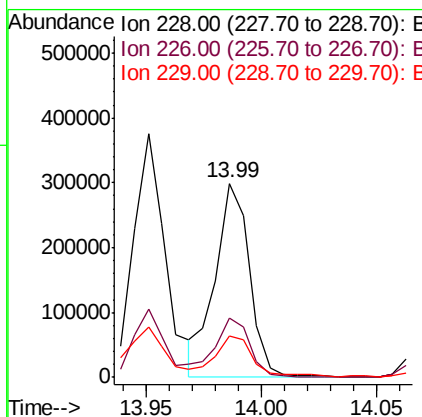
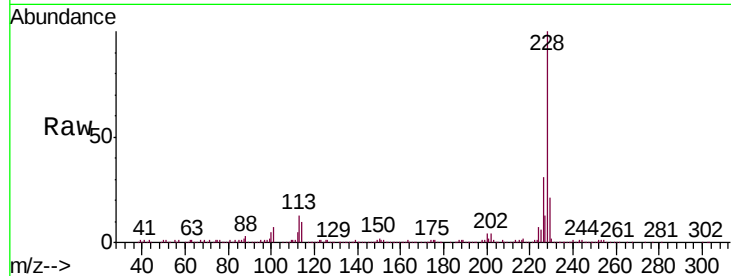
#83
 Chrysene
 Concen: 16.483 ng
 RT: 13.99 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampleID :
 PX-02-081319

Tot Ion	Ratio	Resp	Lower	Upper
228	100	305260		
226	30.5	25.5	38.3	
229	21.4	16.6	24.8	

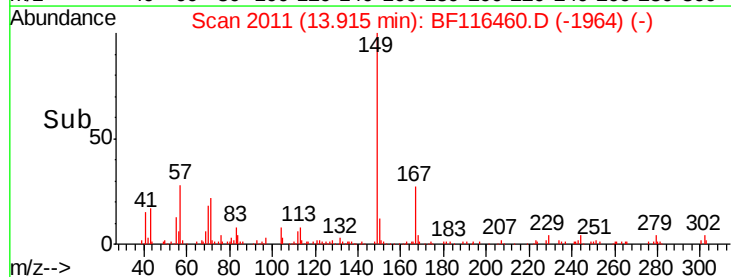
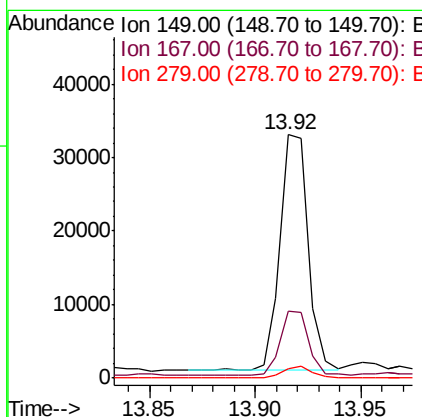
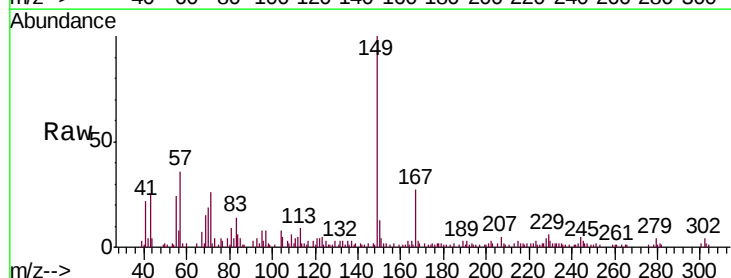
Manual Integrations
 APPROVED

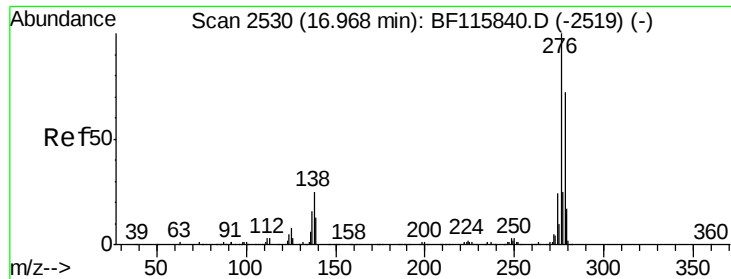
Jagrut
 8/22/2019 1:58:11 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.423 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	29962		
167	27.5	21.6	32.4	
279	3.7	3.0	4.4	





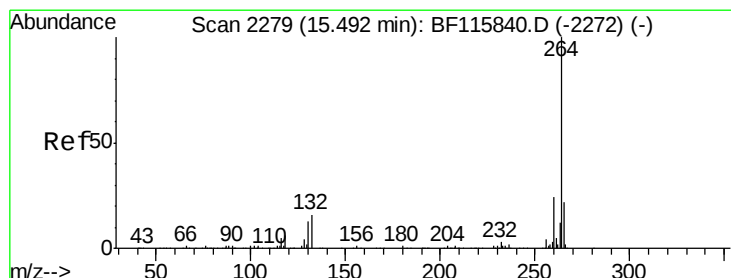
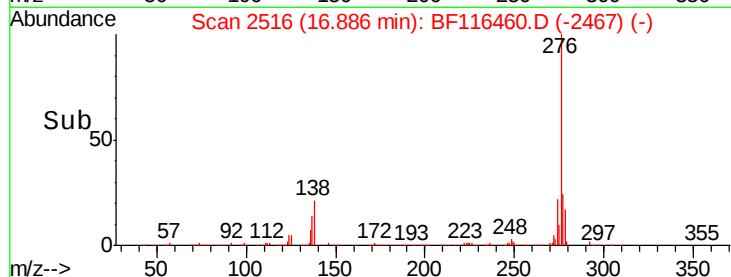
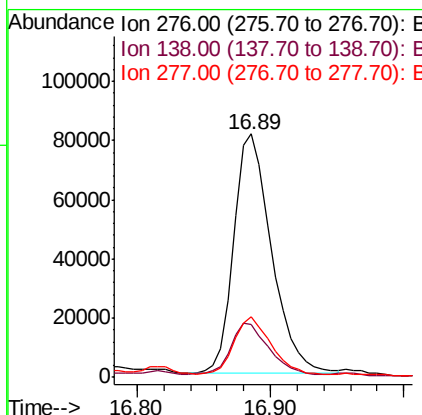
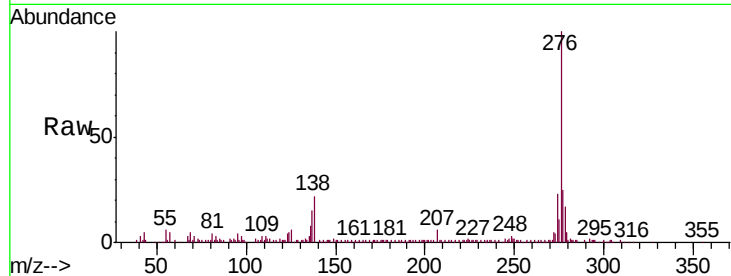
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.227 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampled :
 PX-02-081319

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.4	30.6
277	24.0	20.0	30.0

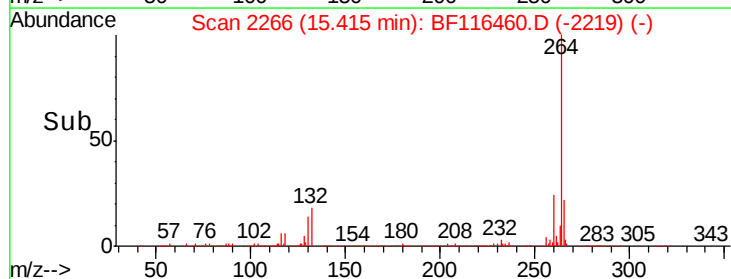
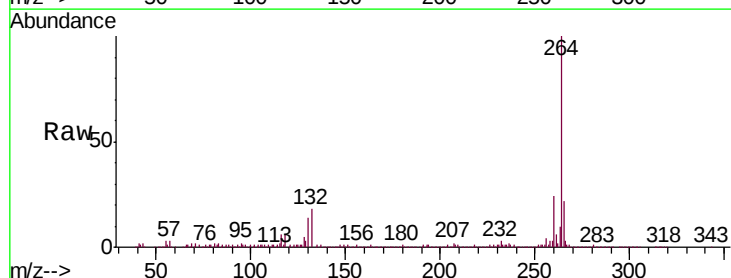
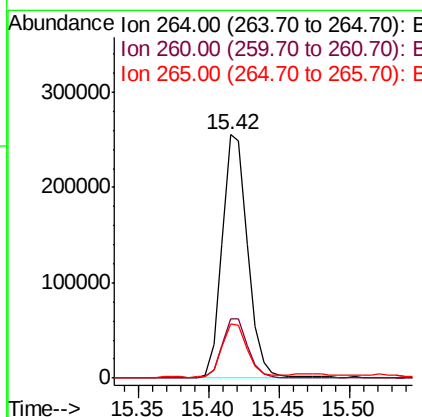
Manual Integrations
 APPROVED

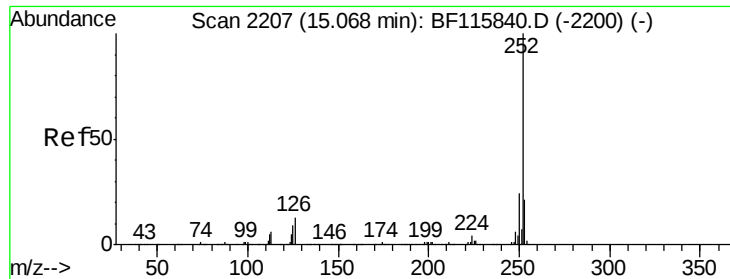
Jagrut
 8/22/2019 1:58:11 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	22.1	17.4	26.0





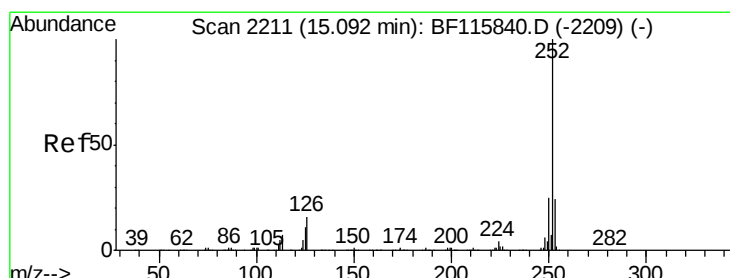
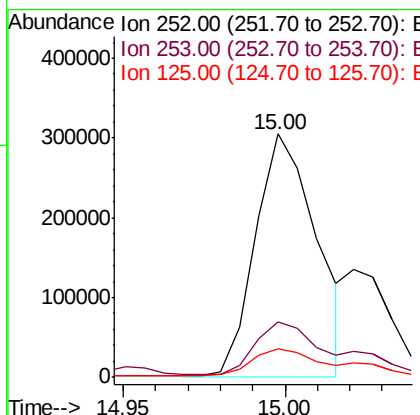
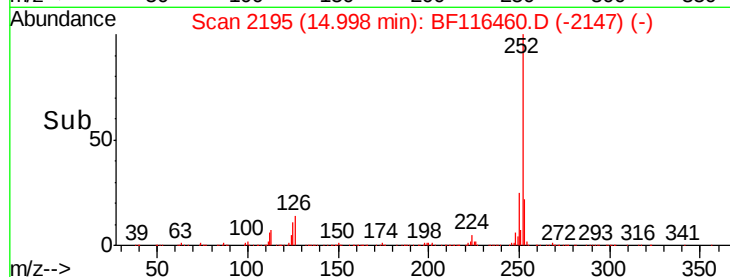
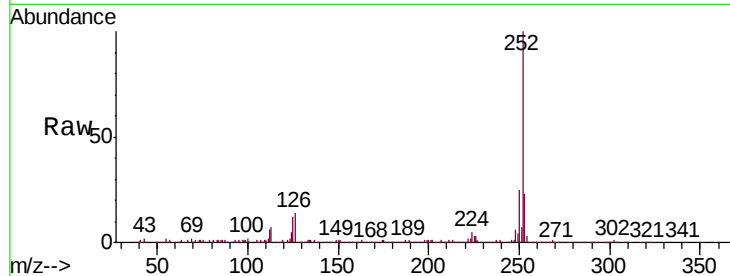
#88
Benzo(b)fluoranthene
Concen: 21.665 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Instrument :
BNA_F
ClientSampleId :
PX-02-081319

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.9	8.4	12.6

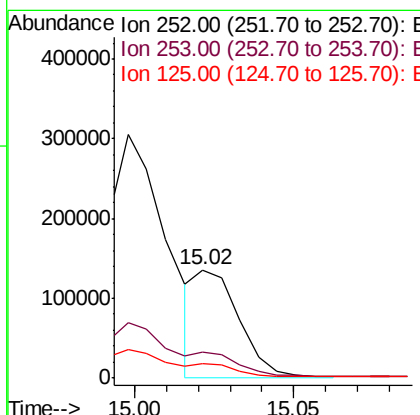
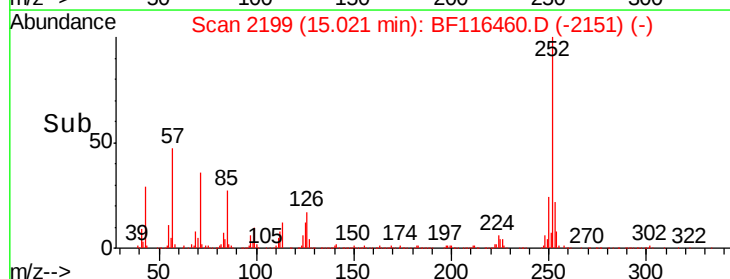
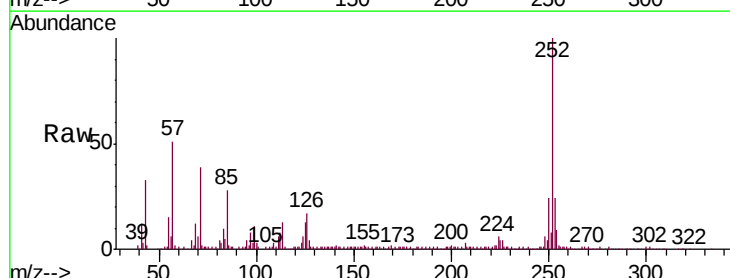
Manual Integrations
APPROVED

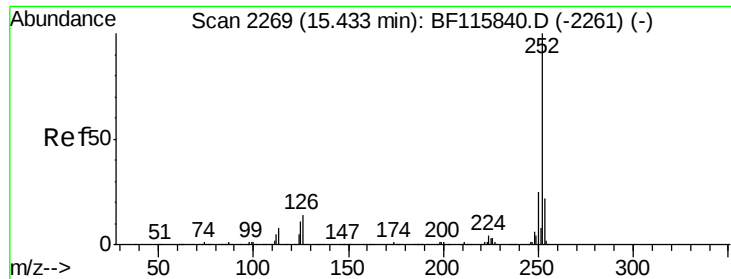
Jagrut
8/22/2019 1:58:11 PM



#89
Benzo(k)fluoranthene
Concen: 7.419 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	13.2	7.7	11.5#





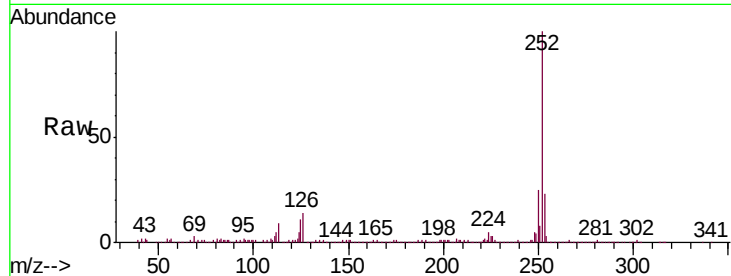
#90
Benzo(a)pyrene
Concen: 16.944 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Instrument :
BNA_F
ClientSampleId :
PX-02-081319

Tot Ion	Ratio	Resp	Lower	Upper
252	100	279689		
253	23.1		18.0	27.0
125	11.4		8.9	13.3

Manual Integrations
APPROVED

Jagrut
8/22/2019 1:58:11 PM

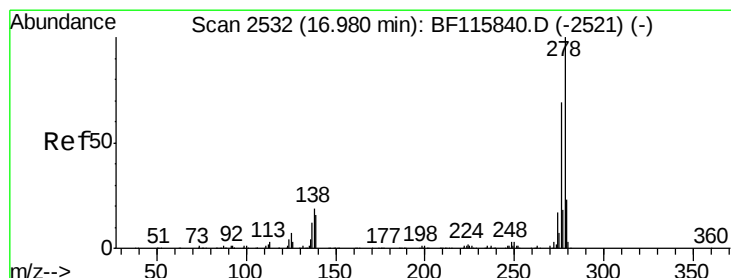
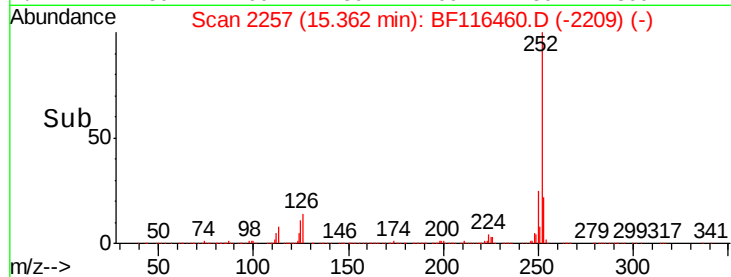
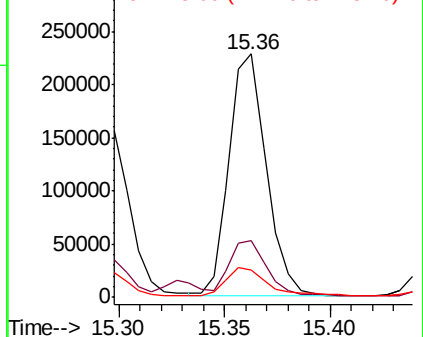


Abundance

Ion 252.00 (251.70 to 252.70): E

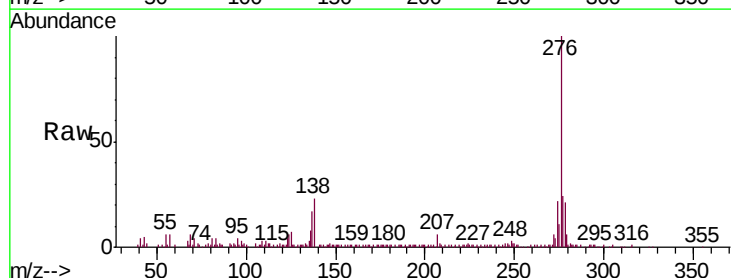
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 2.547 ng m
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF116460.D
Acq: 21 Aug 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	36396		
139	0.0		12.8	19.2#
279	27.0		18.8	28.2

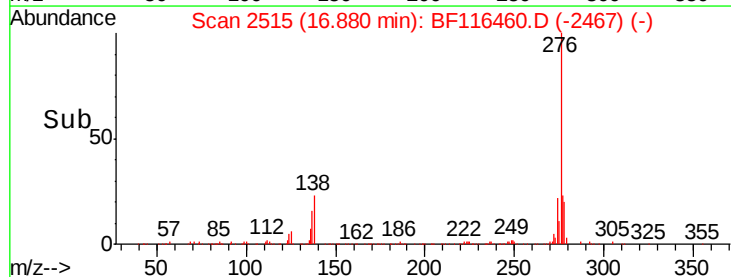
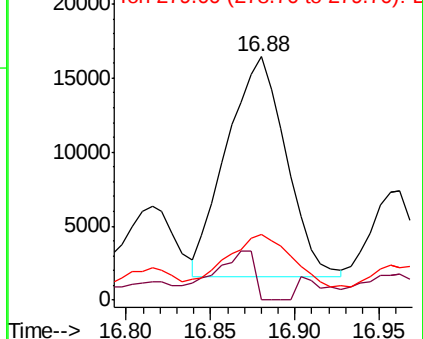


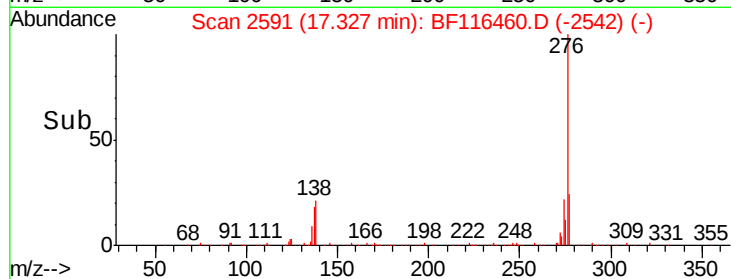
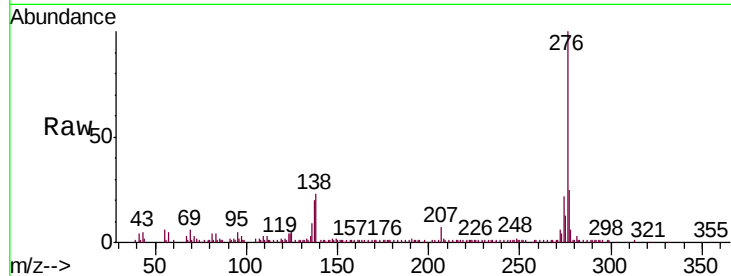
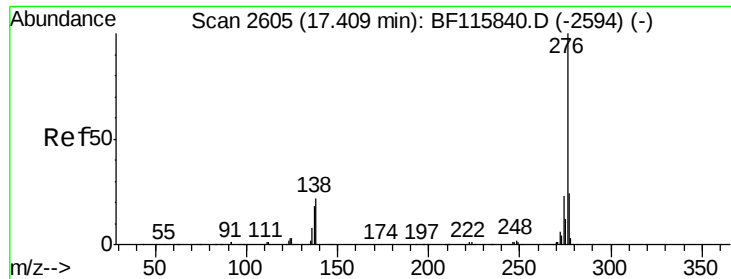
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 10.458 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BF116460.D
 Acq: 21 Aug 2019 12:47

Instrument :
 BNA_F
 ClientSampleId :
 PX-02-081319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146750	276	100			
	277	25.2		18.4	27.6
	138	22.8		17.0	25.6

Manual Integrations
 APPROVED

Jagrut
 8/22/2019 1:58:11 PM

