

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116493.D
 Acq On : 23 Aug 2019 22:34
 Operator : HP/JU
 Sample : K4403-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-G-(0-2.5)

Manual Integrations
 APPROVED

Jagrut
 8/28/2019 8:10:57 AM

Quant Time: Aug 24 04:24:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	108908	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	388421	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	173534	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	246673	20.00	ng	0.00
76) Chrysene-d12	14.03	240	193022	20.00	ng	0.00
87) Perylene-d12	15.50	264	249630	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	603582	80.98	ng	0.00
7) Phenol-d6	6.50	99	812514	88.90	ng	0.00
23) Nitrobenzene-d5	7.44	82	501750	70.67	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	127586	85.62	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	653660	60.66	ng	0.00
79) Terphenyl-d14	12.98	244	500501	48.43	ng	0.00
Target Compounds						
10) Phenol	6.52	94	28567	2.878	ng	98
50) Dimethylphthalate	9.62	163	101288	8.366	ng	99
71) Phenanthrene	11.42	178	110230	8.203	ng	98
75) Fluoranthene	12.60	202	165457	11.910	ng	99
78) Pyrene	12.83	202	151863	9.838	ng	99
81) Benzo(a)anthracene	14.02	228	88521	7.081	ng	96
83) Chrysene	14.05	228	80098m	6.321	ng	
86) Indeno(1,2,3-cd)pyrene	16.96	276	54672	5.037	ng	95
88) Benzo(b)fluoranthene	15.07	252	117941m	7.648	ng	
89) Benzo(k)fluoranthene	15.09	252	32107m	2.298	ng	
90) Benzo(a)pyrene	15.43	252	81429	5.975	ng	# 93
92) Benzo(a,h,i)perylene	17.39	276	51709	4.843	ng	97

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

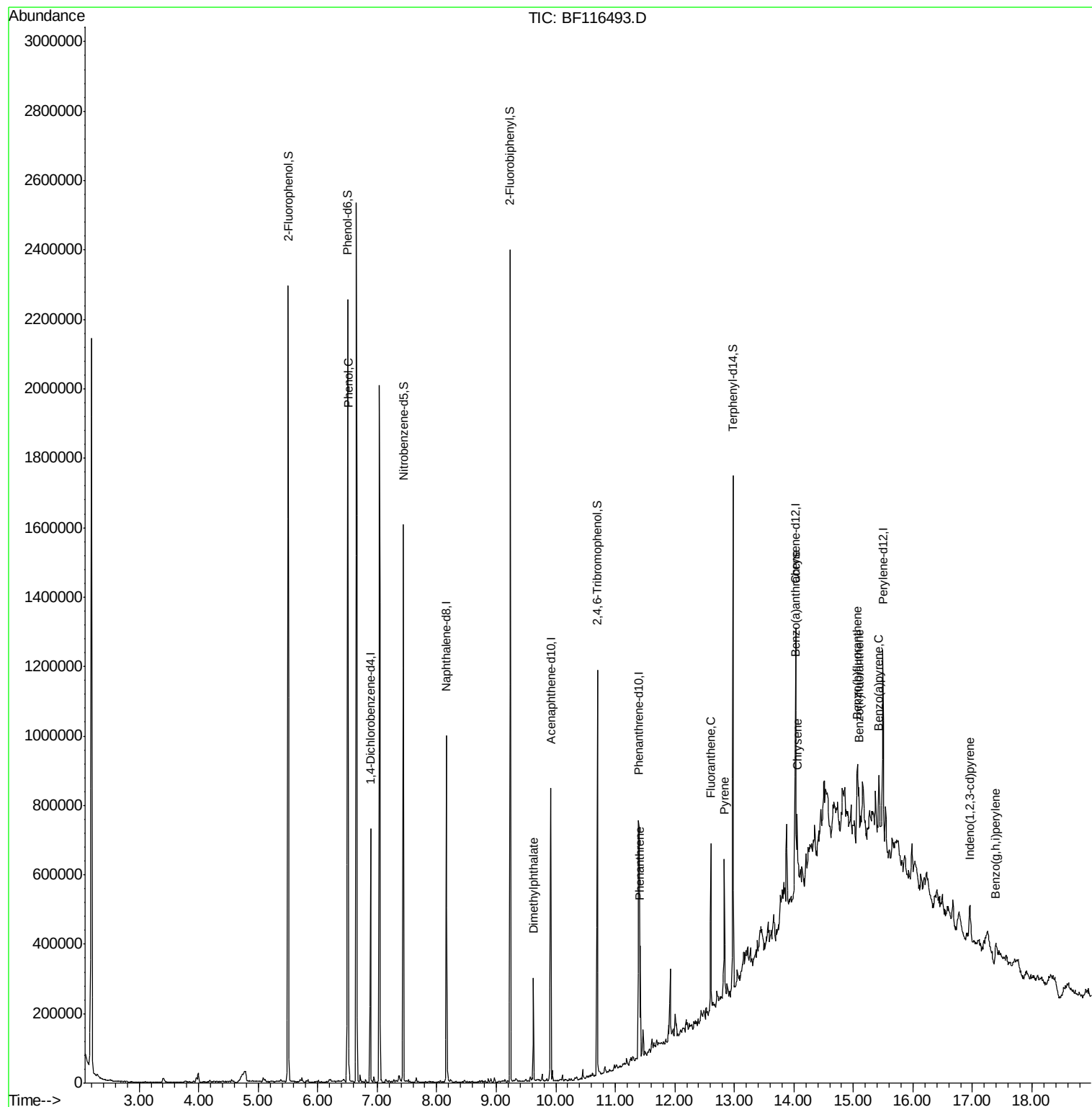
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116493.D
Acq On : 23 Aug 2019 22:34
Operator : HP/JU
Sample : K4403-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

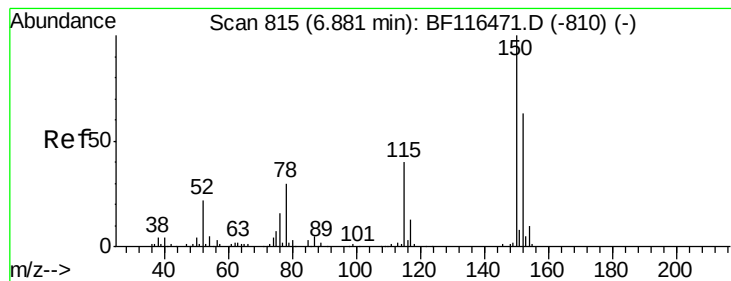
Instrument :
BNA_F
ClientSampleID :
T1-G-(0-2.5)

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM

Quant Time: Aug 24 04:24:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration





#1

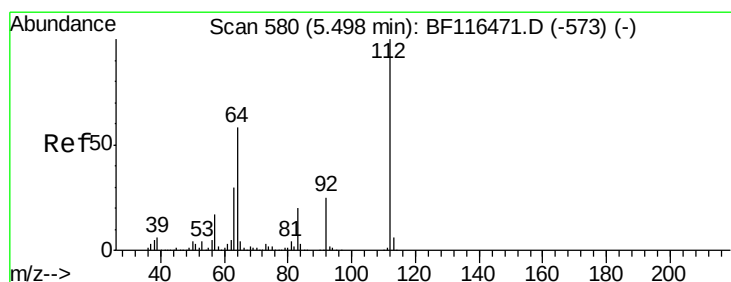
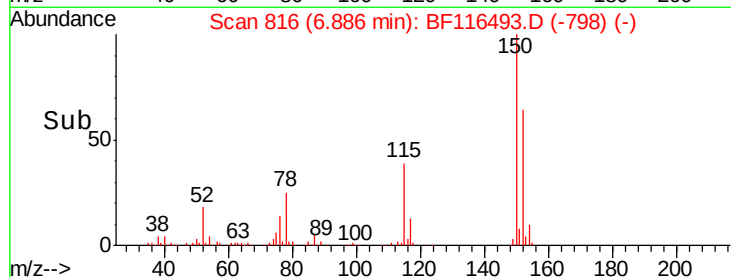
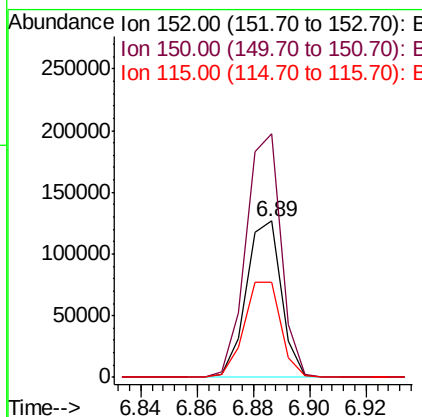
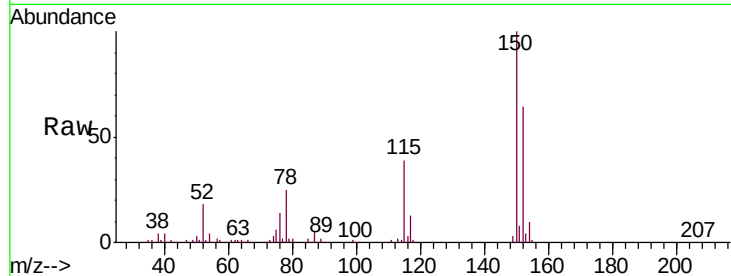
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampled :
T1-G-(0-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.7	190.1
115	61.2	50.9	76.3

Manual Integrations
APPROVED

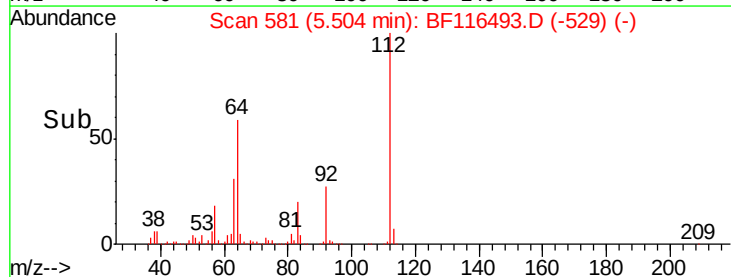
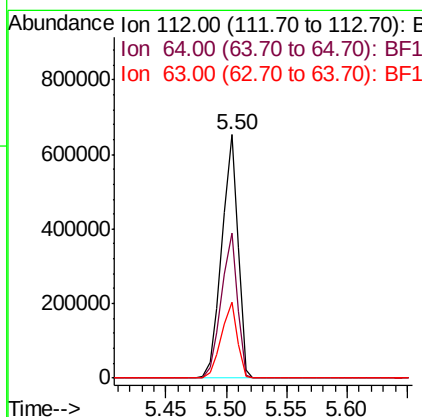
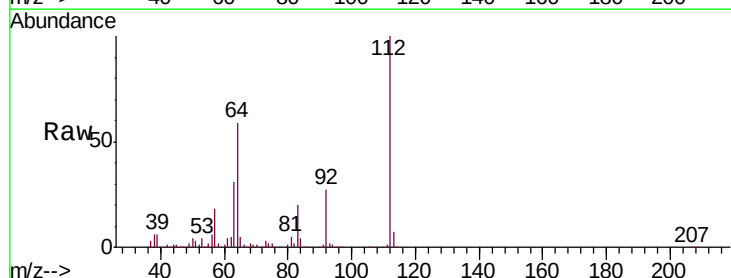
Jagrut
8/28/2019 8:10:57 AM

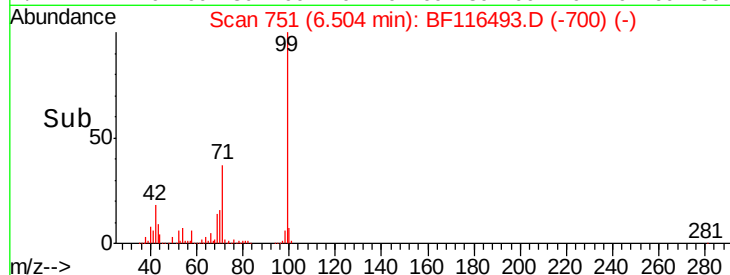
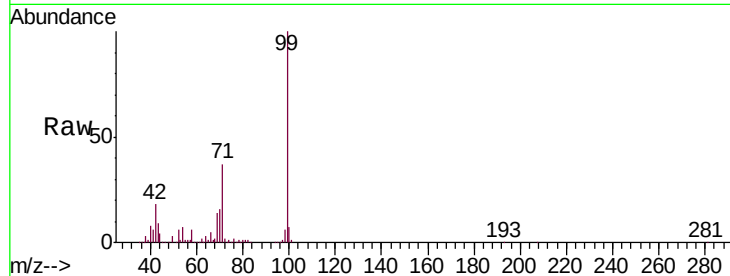
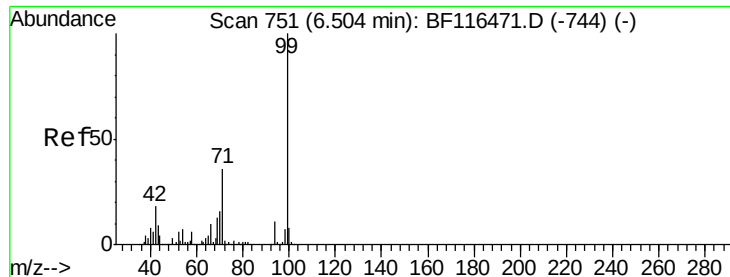


#5

2-Fluorophenol
Concen: 80.979 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.3	69.5
63	31.3	24.2	36.4





#7

Phenol-d6

Concen: 88.904 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

Tot Ion:	99	Resp:	812514
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.6	21.8
71	36.5	28.5	42.7

Instrument :

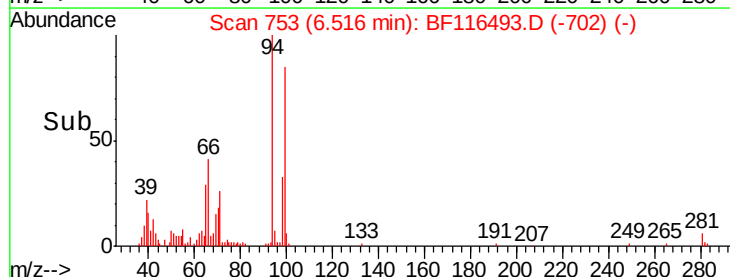
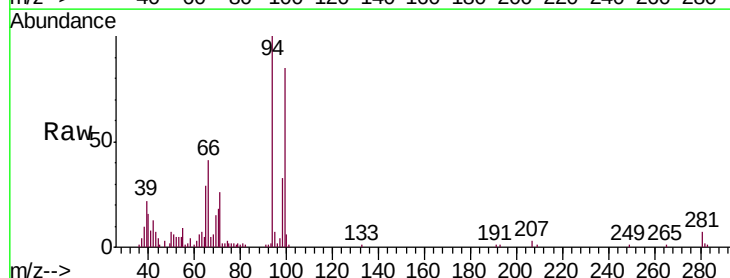
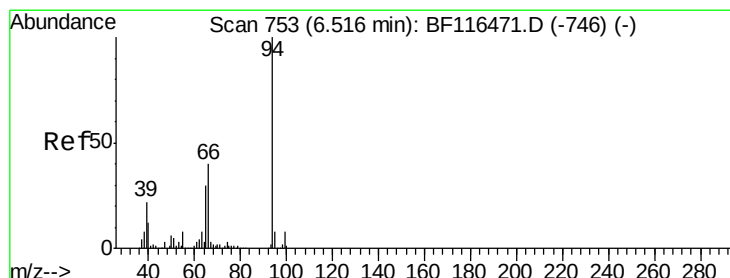
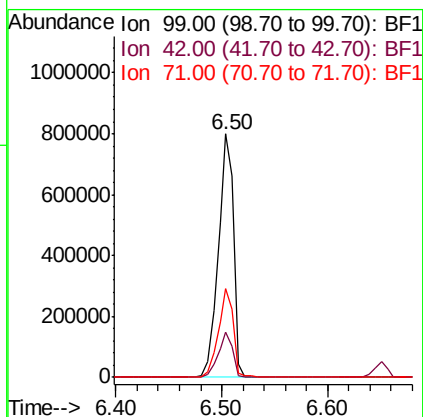
BNA_F

ClientSampled :

T1-G-(0-2.5)

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM



#10

Phenol

Concen: 2.878 ng

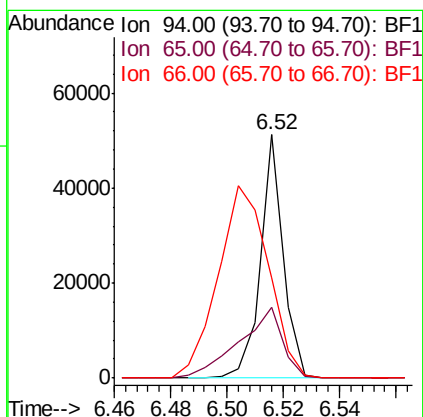
RT: 6.52 min Scan# 753

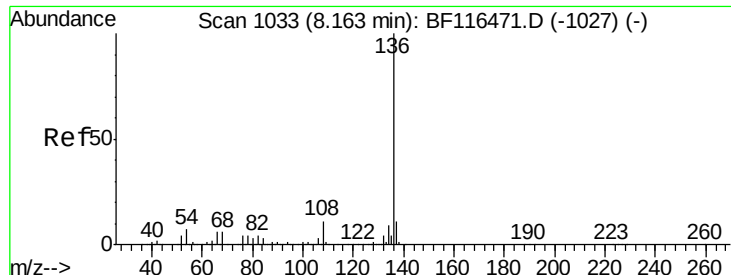
Delta R.T. -0.00 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

Tgt Ion:	94	Resp:	28567
Ion Ratio	Lower	Upper	
94	100		
65	28.9	10.0	50.0
66	41.1	19.8	59.8





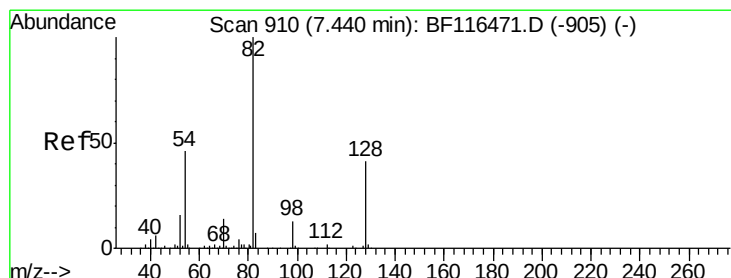
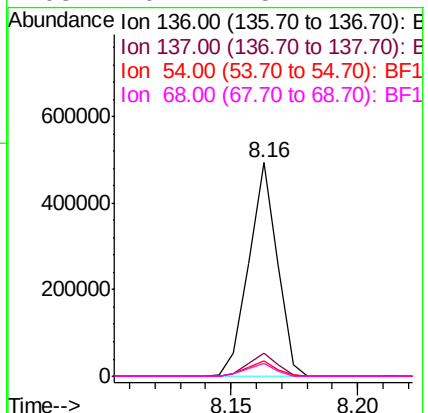
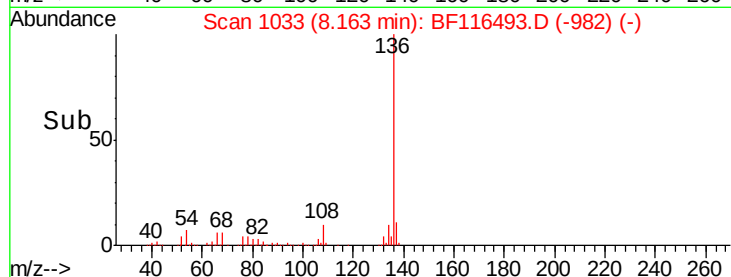
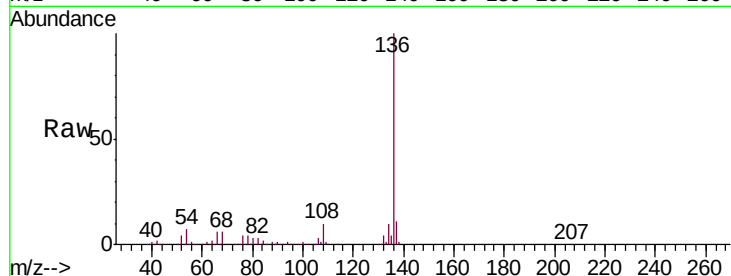
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampleId :
T1-G-(0-2.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		388421		
137	10.9		9.0	13.4	
54	7.0		5.8	8.6	
68	6.1		5.1	7.7	

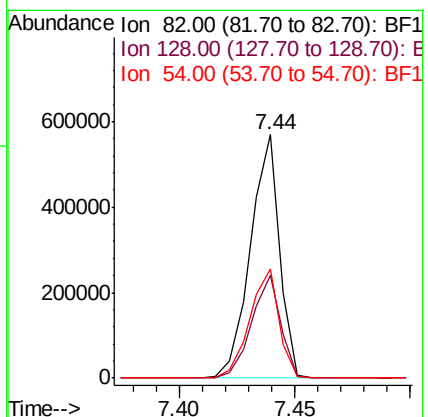
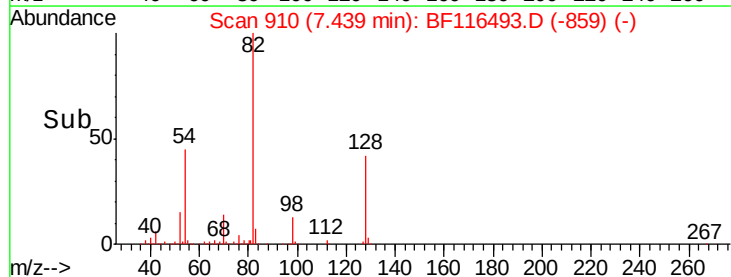
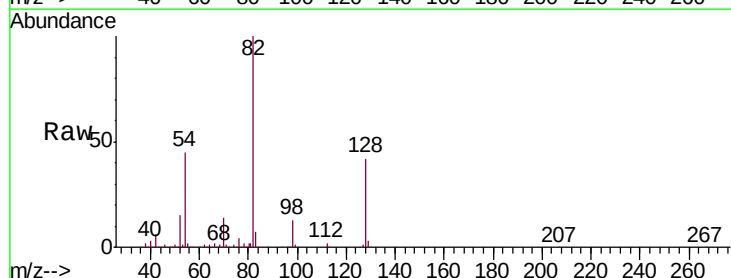
Manual Integrations
APPROVED

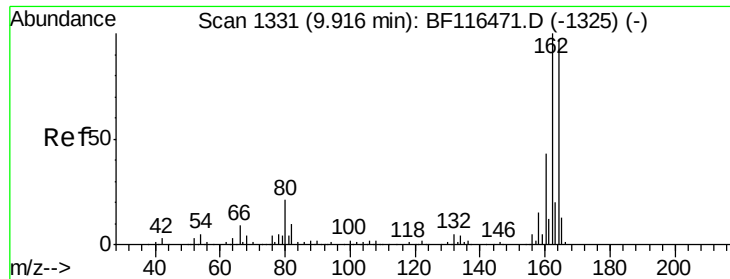
Jagrut
8/28/2019 8:10:57 AM



#23
Nitrobenzene-d5
Concen: 70.673 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		501750		
128	42.3		32.2	48.4	
54	44.6		36.5	54.7	





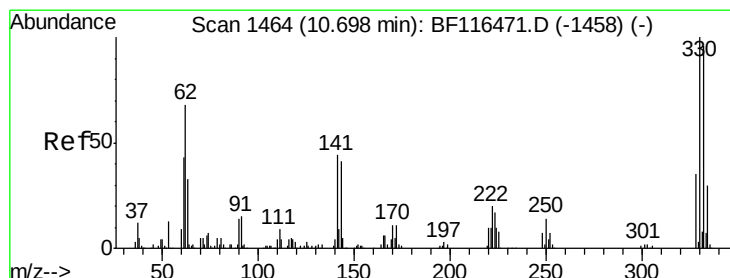
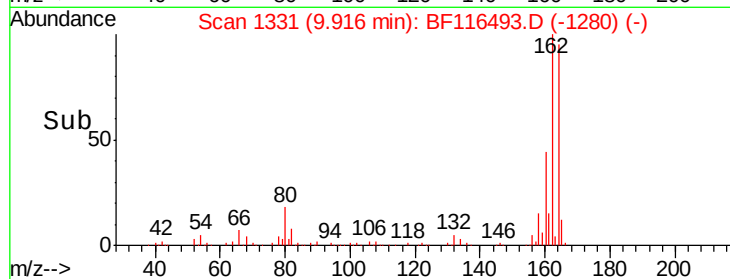
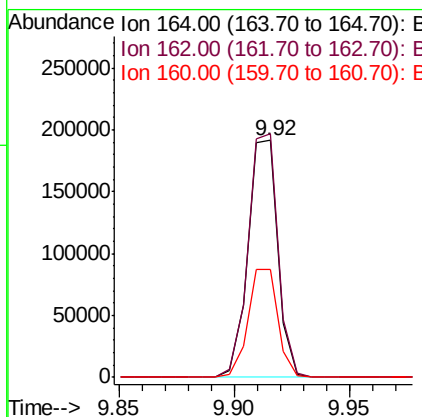
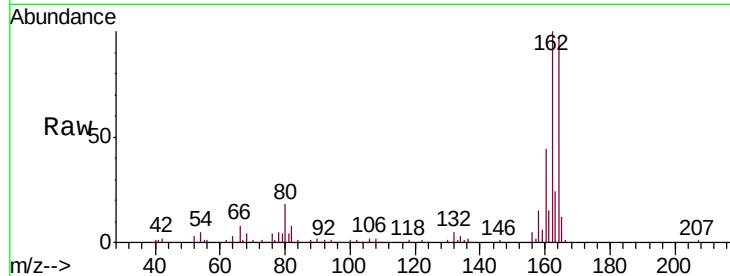
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF116493.D
 Acq: 23 Aug 2019 22:34

Instrument :
 BNA_F
 ClientSampleId :
 T1-G-(0-2.5)

Tot Ion	164	Resp	173534
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.6	123.8
160	45.4	35.8	53.8

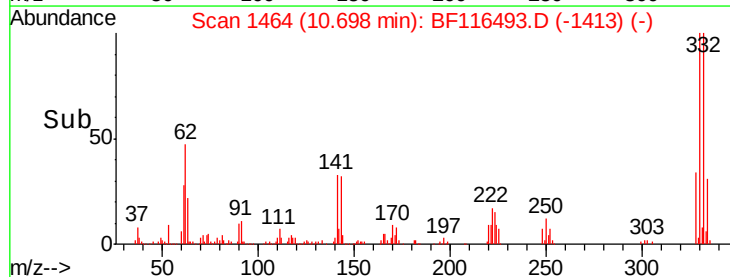
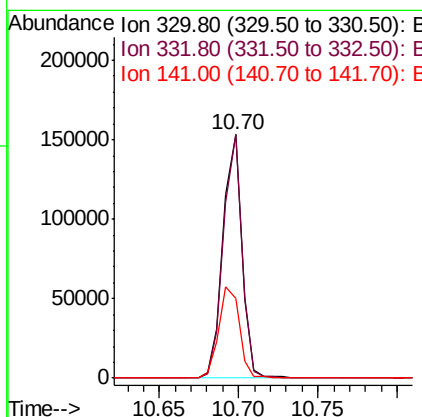
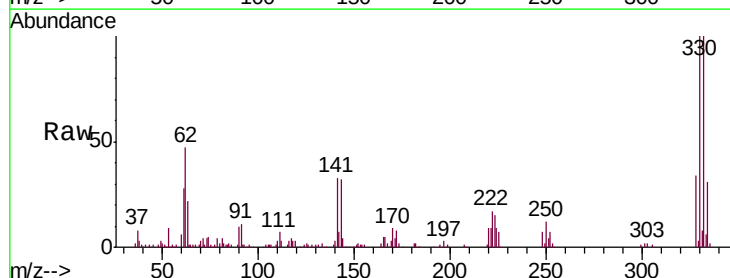
Manual Integrations
 APPROVED

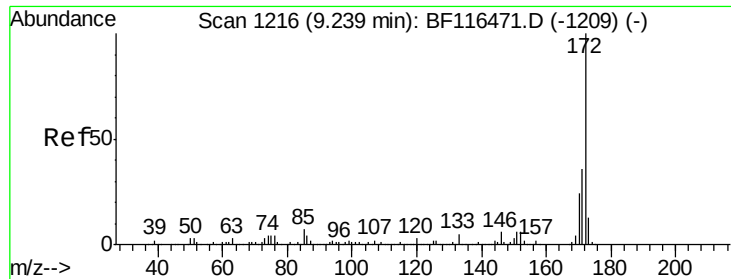
Jagrut
 8/28/2019 8:10:57 AM



#42
 2,4,6-Tribromophenol
 Concen: 85.623 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116493.D
 Acq: 23 Aug 2019 22:34

Tgt Ion	330	Resp	127586
Ion Ratio	Lower	Upper	
330	100		
332	98.6	77.2	115.8
141	41.3	33.3	49.9





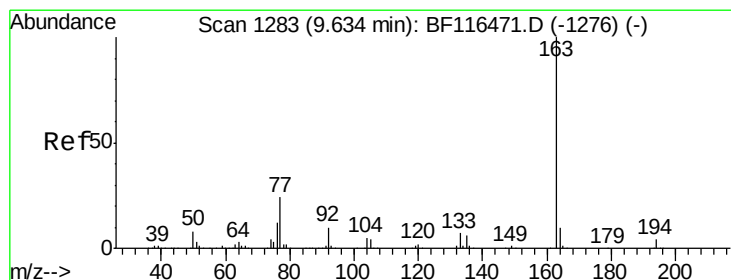
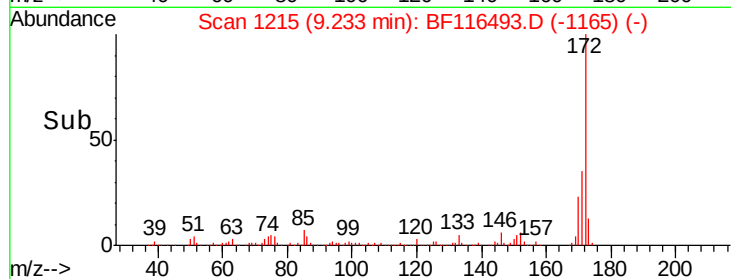
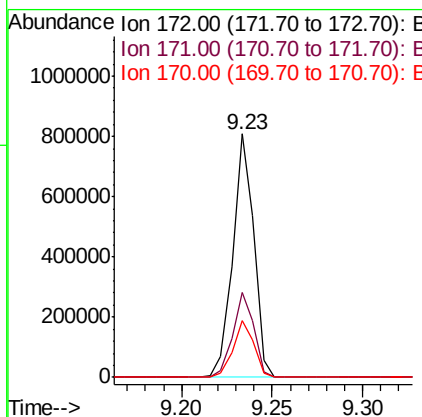
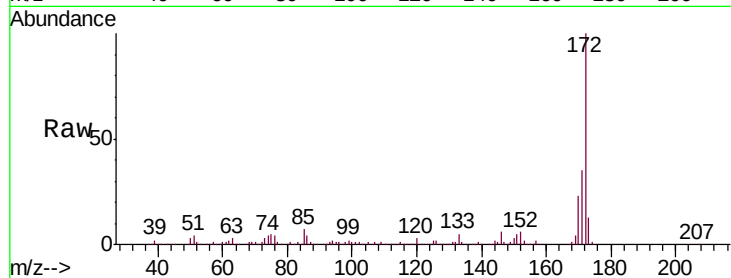
#45
2-Fluorobiphenyl
Concen: 60.660 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampleId :
T1-G-(0-2.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.4	19.4	29.0

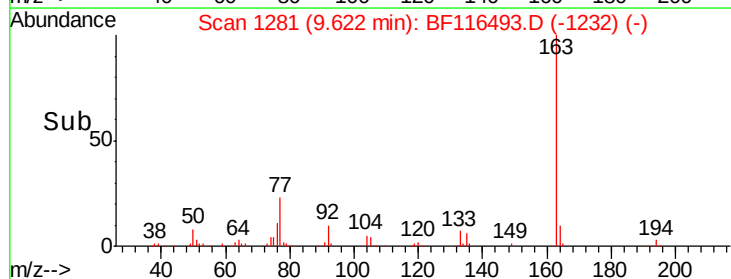
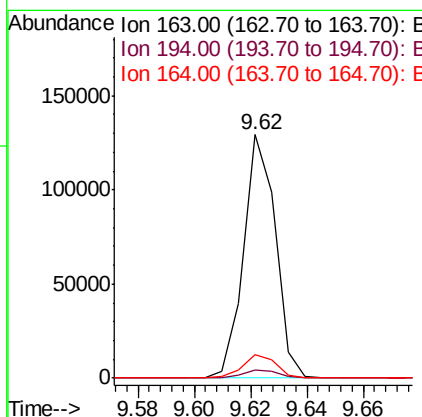
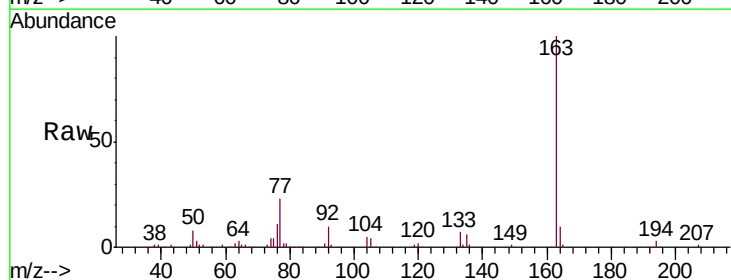
Manual Integrations
APPROVED

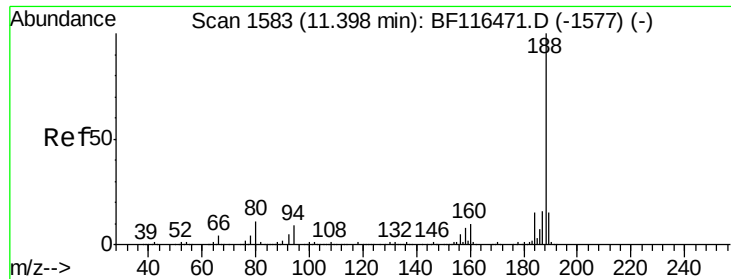
Jagrut
8/28/2019 8:10:57 AM



#50
Dimethylphthalate
Concen: 8.366 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	9.5	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

Instrument :

BNA_F

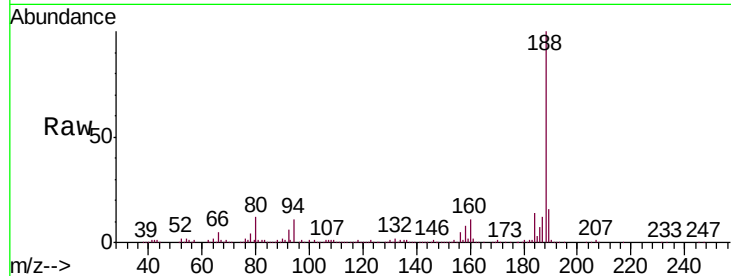
ClientSampleId :

T1-G-(0-2.5)

Tot Ion:	188	Resp:	246673
Ion Ratio	Lower	Upper	
188	100		
94	10.9	7.4	11.2
80	12.0	8.6	12.8

Manual Integrations
APPROVED

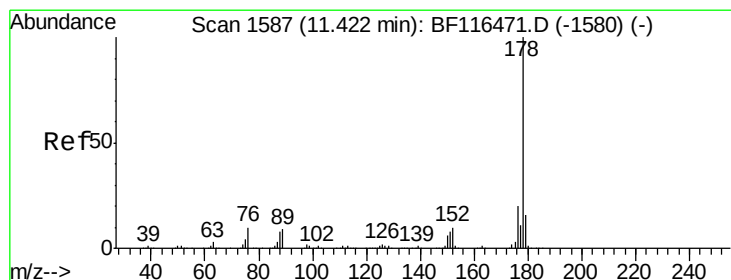
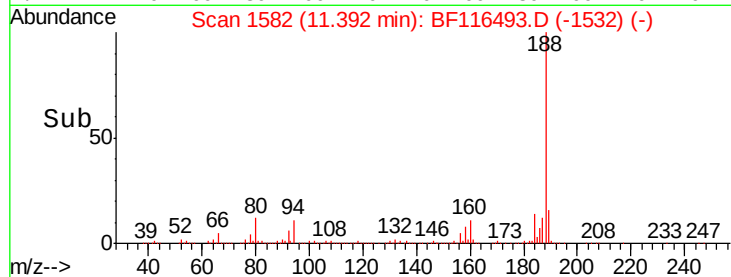
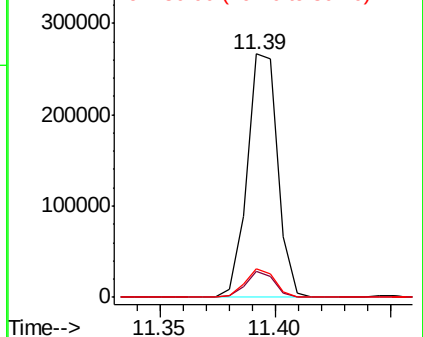
Jagrut
8/28/2019 8:10:57 AM



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: 8.203 ng

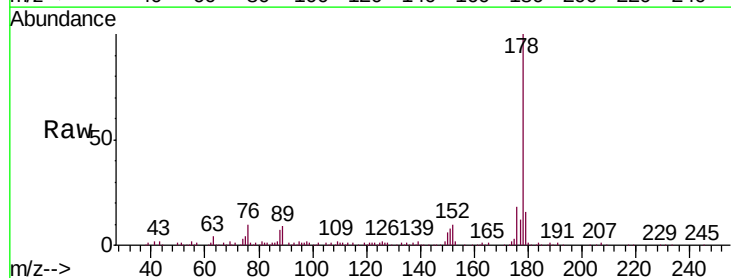
RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

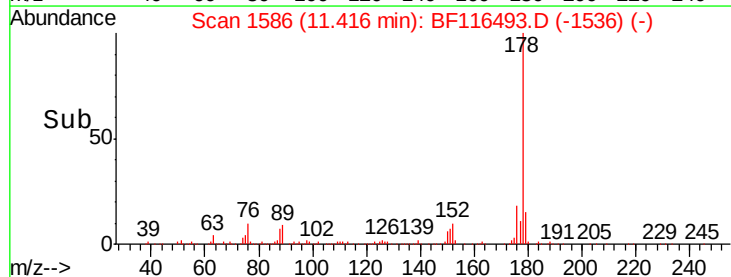
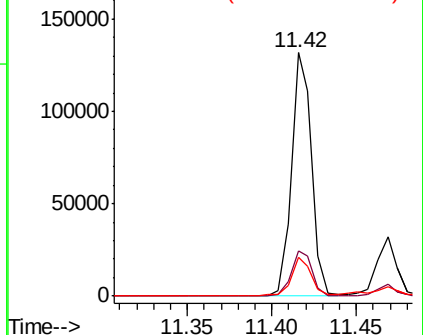
Tgt Ion:	178	Resp:	110230
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.6
179	15.8	12.8	19.2

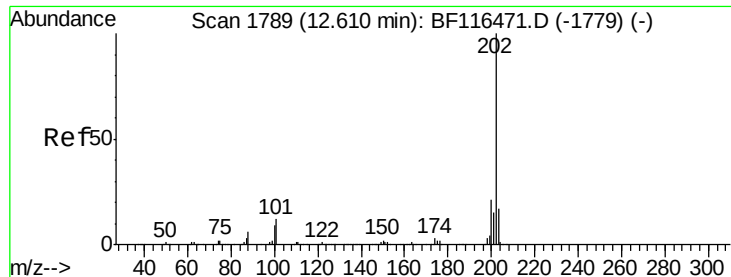


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.910 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

Instrument :

BNA_F

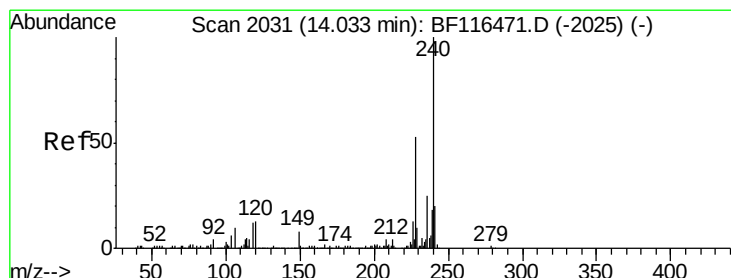
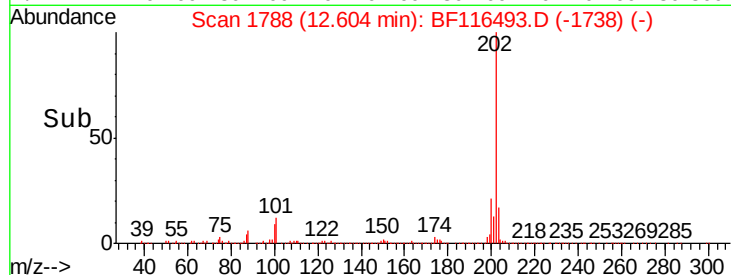
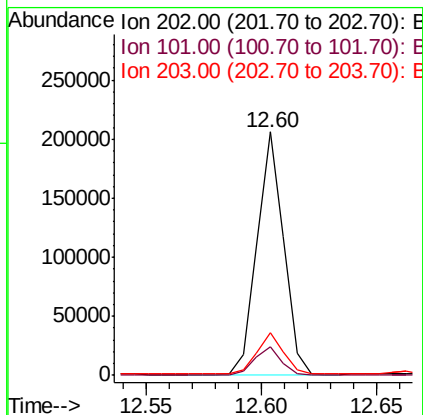
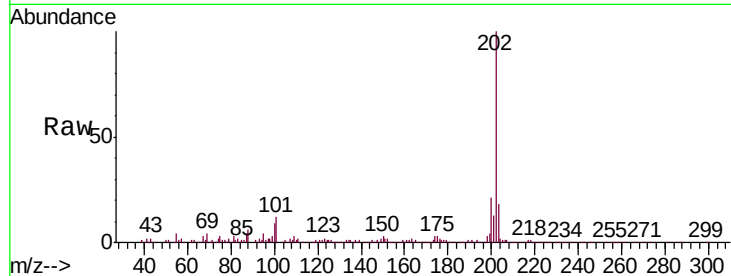
ClientSampled :

T1-G-(0-2.5)

Tot Ion:	202	Resp:	165457
Ion Ratio		Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.8	0.0	37.5

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM



#76

Chrysene-d12

Concen: 20.000 ng

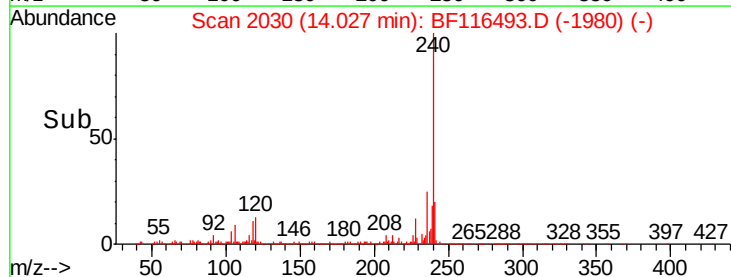
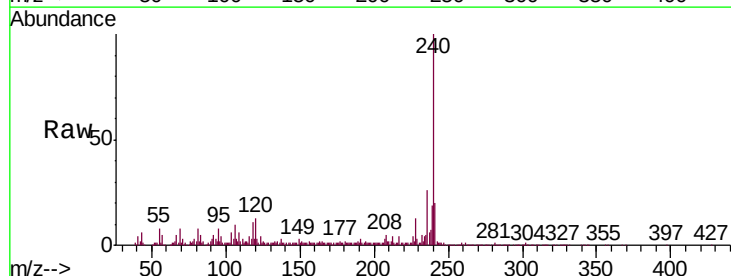
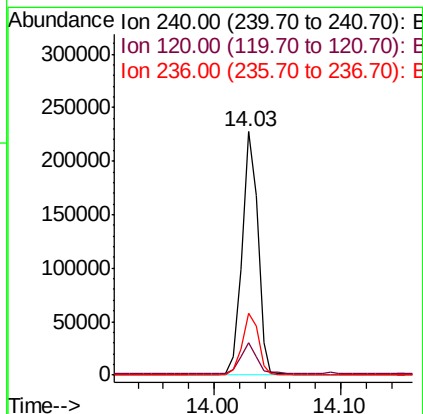
RT: 14.03 min Scan# 2030

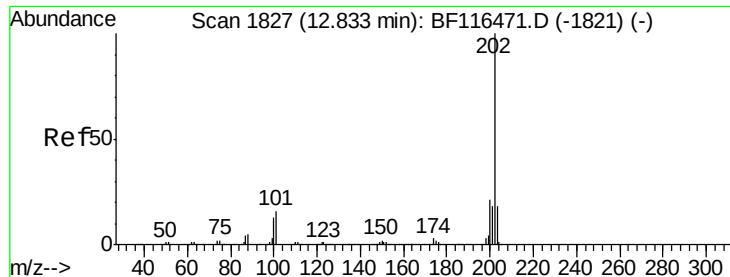
Delta R.T. -0.01 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

Tgt Ion:	240	Resp:	193022
Ion Ratio		Lower	Upper
240	100		
120	13.4	10.5	15.7
236	25.6	20.2	30.2





#78

Pvrene

Concen: 9.838 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

Instrument :

BNA_F

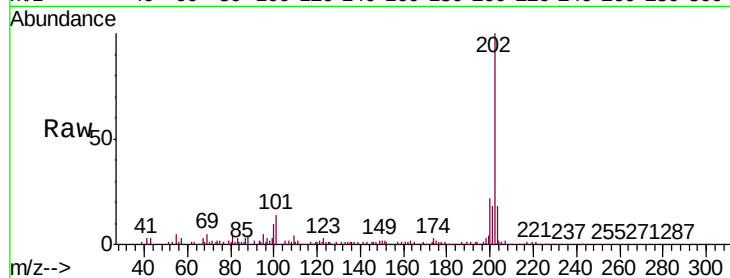
ClientSampleId :

T1-G-(0-2.5)

Tot Ion:	202	Resp:	151863
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.0	25.4
203	17.9	14.2	21.4

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM

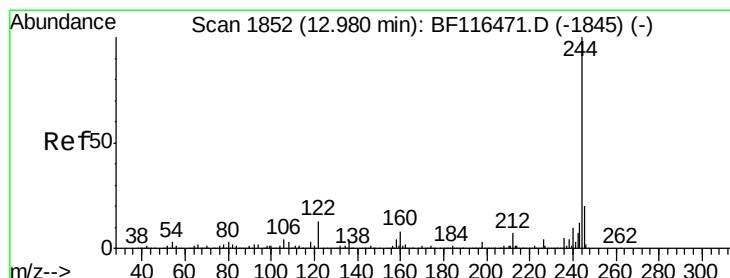
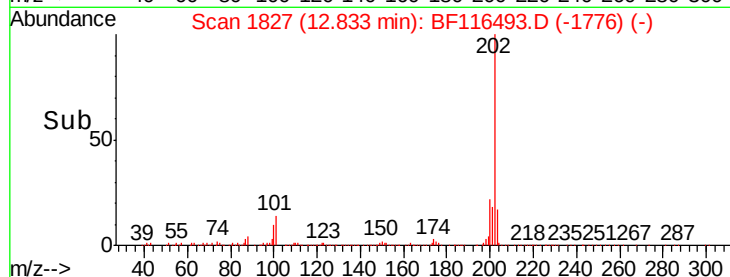
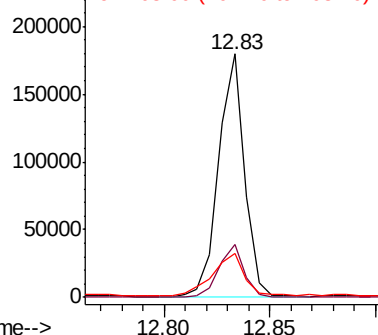


Abundance

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: 48.434 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116493.D

Acq: 23 Aug 2019 22:34

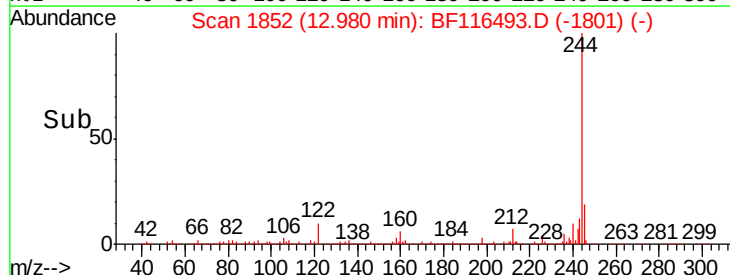
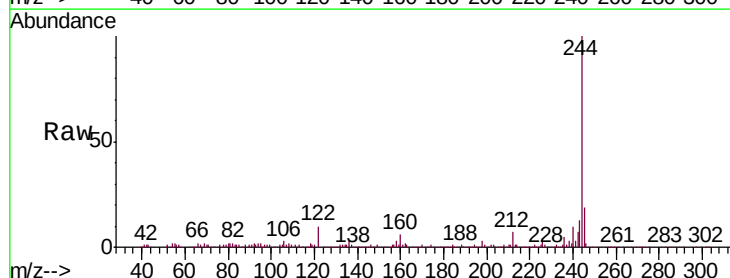
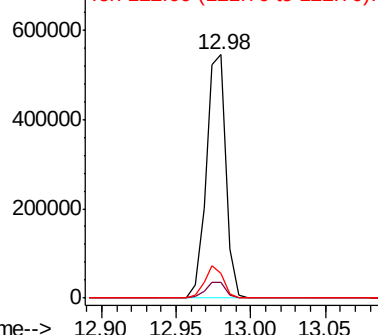
Tgt Ion:	244	Resp:	500501
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	9.9	10.2	15.4#

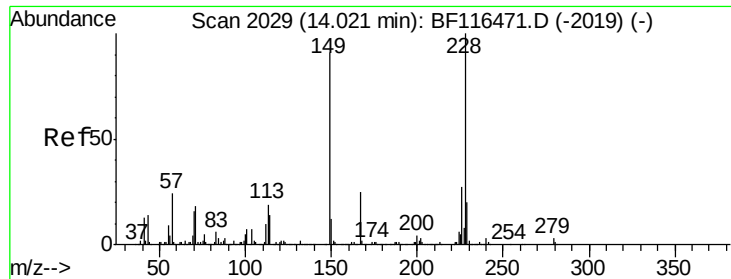
Abundance

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





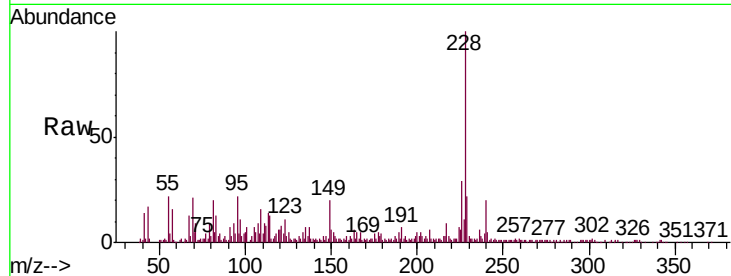
#81
Benzo(a)anthracene
Concen: 7.081 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampleId :
T1-G-(0-2.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.8	32.6
229	21.9	15.9	23.9

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM

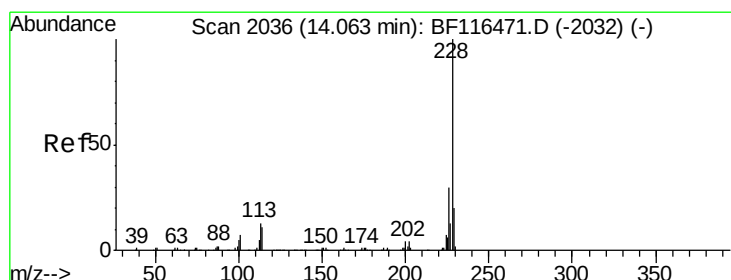
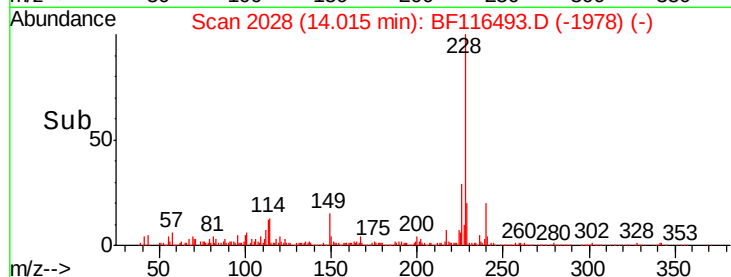
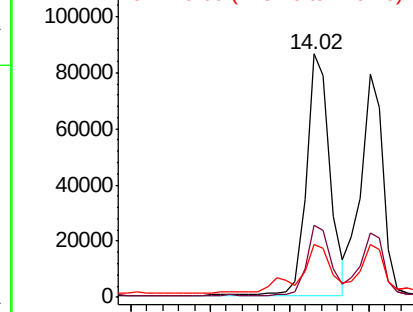


Abundance

Ion 228.00 (227.70 to 228.70): E

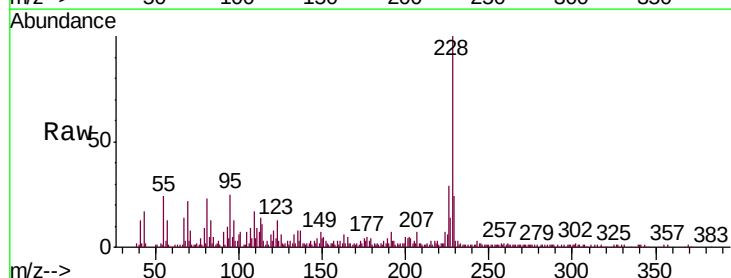
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 6.321 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	23.9	15.8	23.6#

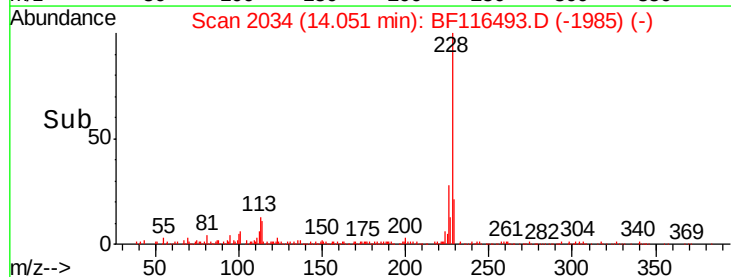
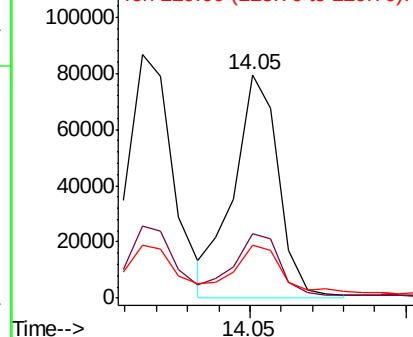


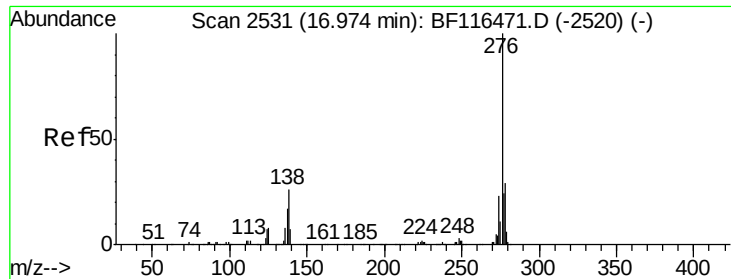
Abundance

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





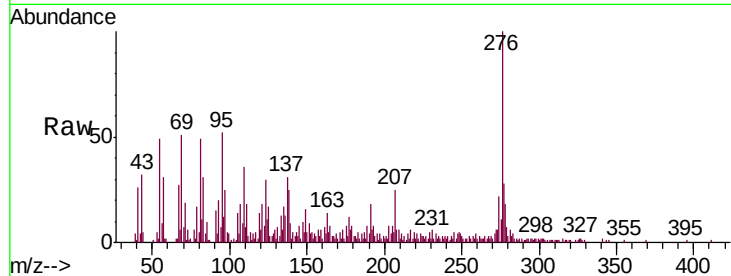
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.037 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampleId :
T1-G-(0-2.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	22.9	34.3
277	24.1	19.9	29.9

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM

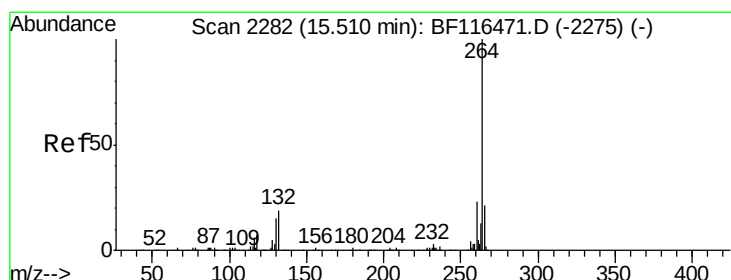
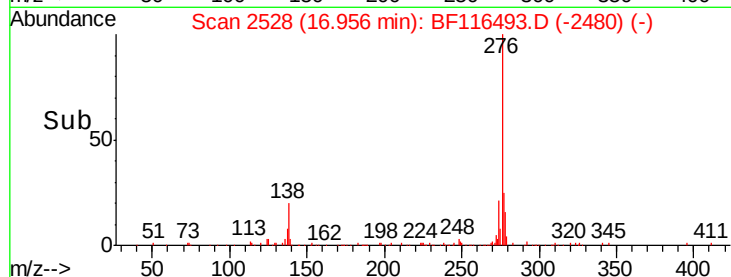
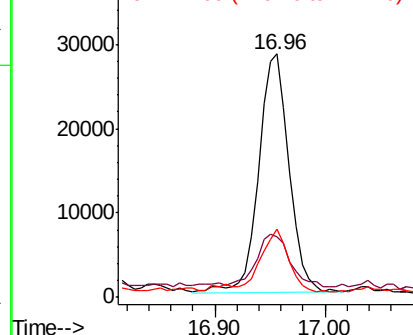


Abundance

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: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

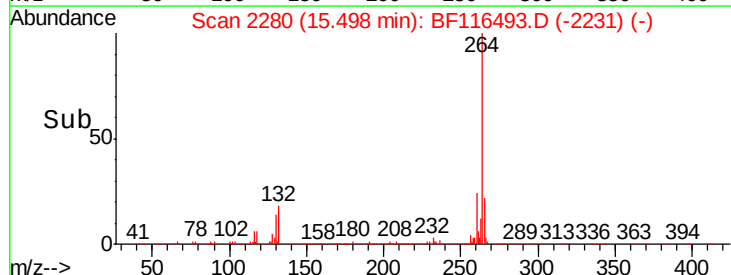
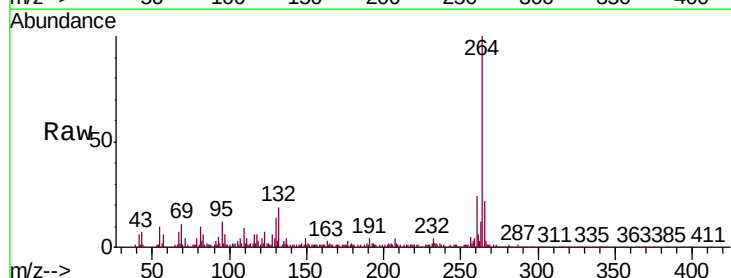
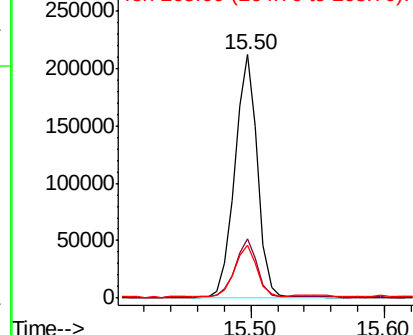
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.8	17.1	25.7

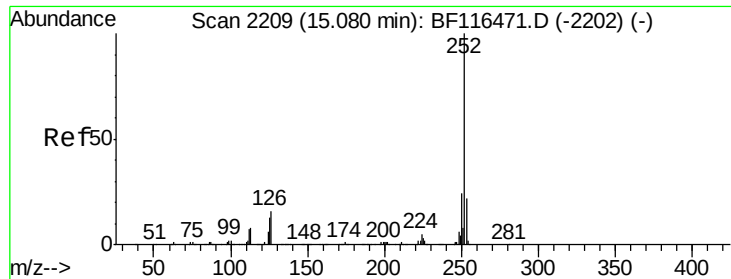
Abundance

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





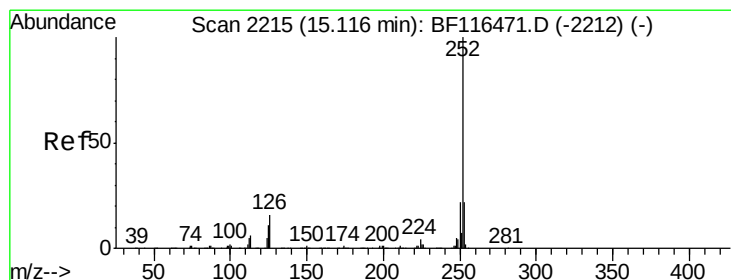
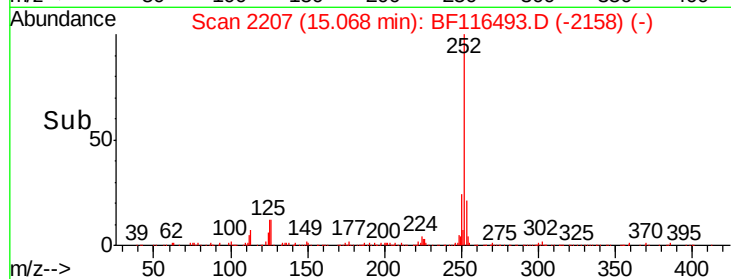
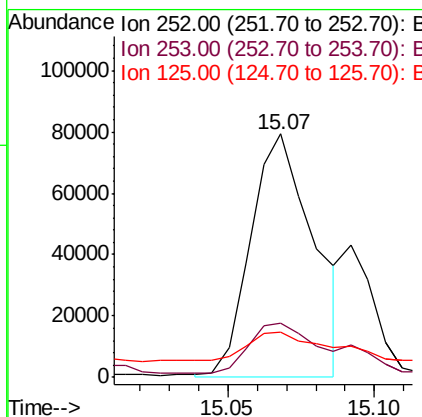
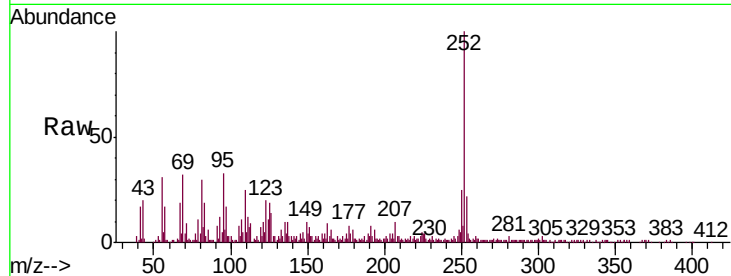
#88
Benzo(b)fluoranthene
Concen: 7.648 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampleId :
T1-G-(0-2.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	18.7	10.1	15.1

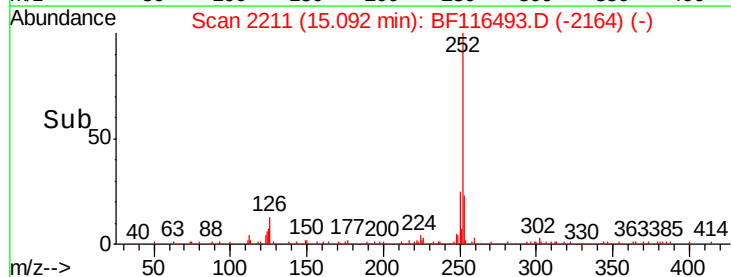
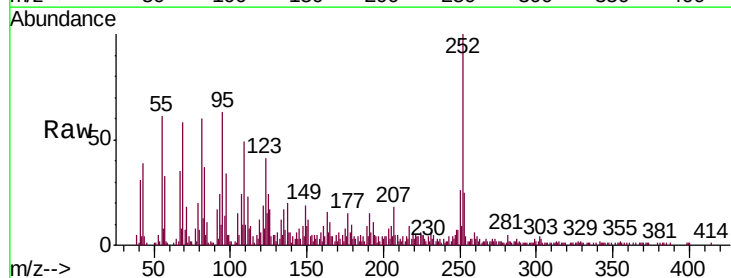
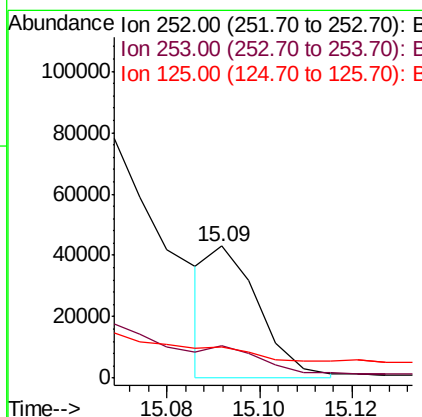
Manual Integrations
APPROVED

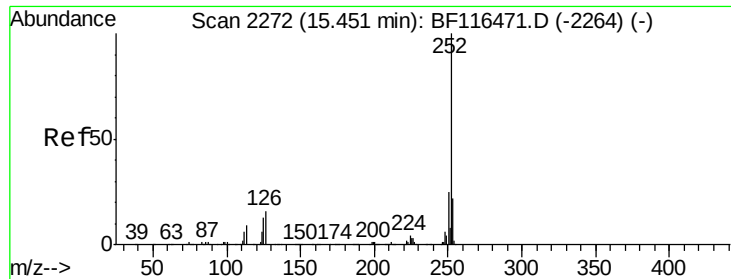
Jagrut
8/28/2019 8:10:57 AM



#89
Benzo(k)fluoranthene
Concen: 2.298 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	23.5	9.1	13.7





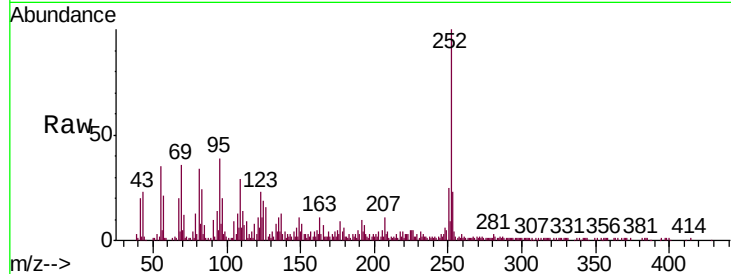
#90
Benzo(a)pyrene
Concen: 5.975 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Instrument :
BNA_F
ClientSampled :
T1-G-(0-2.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	18.7	10.2	15.4

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:10:57 AM

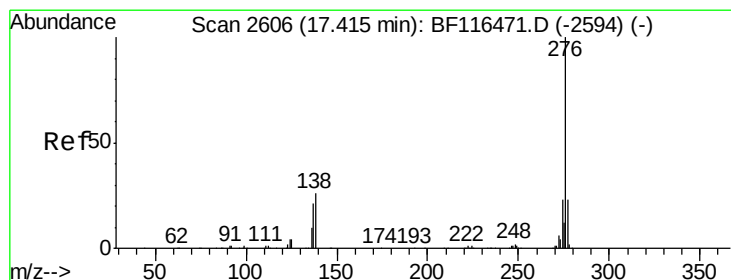
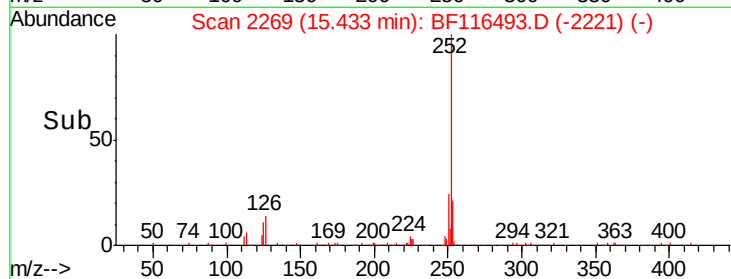
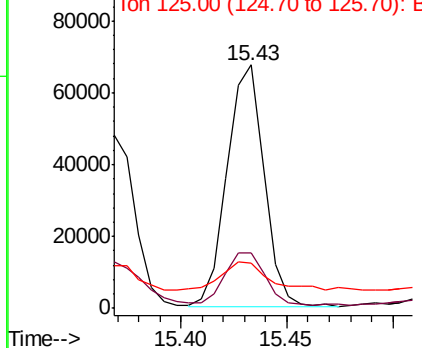


Abundance

Ion 252.00 (251.70 to 252.70): E

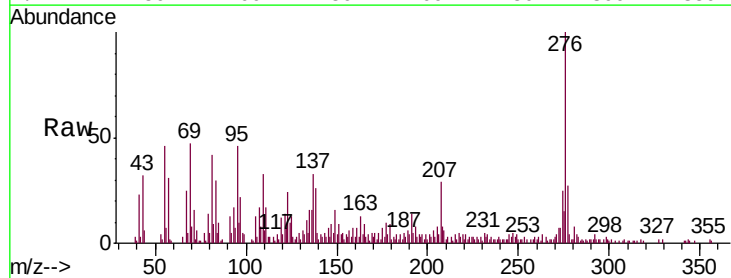
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.843 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF116493.D
Acq: 23 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.7	28.1
138	25.9	20.8	31.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

