

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113997.D
 Acq On : 25 Apr 2019 23:58
 Operator : JU/SJ
 Sample : K2203-19 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-042419-B

Manual Integrations
 APPROVED

Sohil
 4/29/2019 5:49:56 AM

Quant Time: Apr 26 06:40:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	106249	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	428965	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	235033	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	493255	20.00	ng	0.00
76) Chrysene-d12	14.05	240	377530	20.00	ng	-0.02
87) Perylene-d12	15.54	264	382945	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	307844	49.56	ng	0.00
7) Phenol-d6	6.52	99	406202	52.12	ng	0.00
23) Nitrobenzene-d5	7.45	82	242334	34.88	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	146676	51.23	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	469513	31.24	ng	0.00
79) Terphenyl-d14	13.00	244	602075	32.69	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	73289	4.312	ng	99
71) Phenanthrene	11.44	178	213685	8.620	ng	98
72) Anthracene	11.49	178	78221	3.125	ng	97
75) Fluoranthene	12.63	202	322212	11.914	ng	96
78) Pyrene	12.86	202	323522	12.254	ng	97
81) Benzo(a)anthracene	14.04	228	154008	6.924	ng	98
83) Chrysene	14.07	228	135426	6.251	ng	96
86) Indeno(1,2,3-cd)pyrene	17.02	276	54879	2.674	ng	95
88) Benzo(b)fluoranthene	15.10	252	129557m	5.347	ng	
89) Benzo(k)fluoranthene	15.13	252	50431m	2.420	ng	
90) Benzo(a)pyrene	15.47	252	107098	5.110	ng	99
92) Benzo(a,h,i)perylene	17.47	276	50996	2.569	ng	97

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

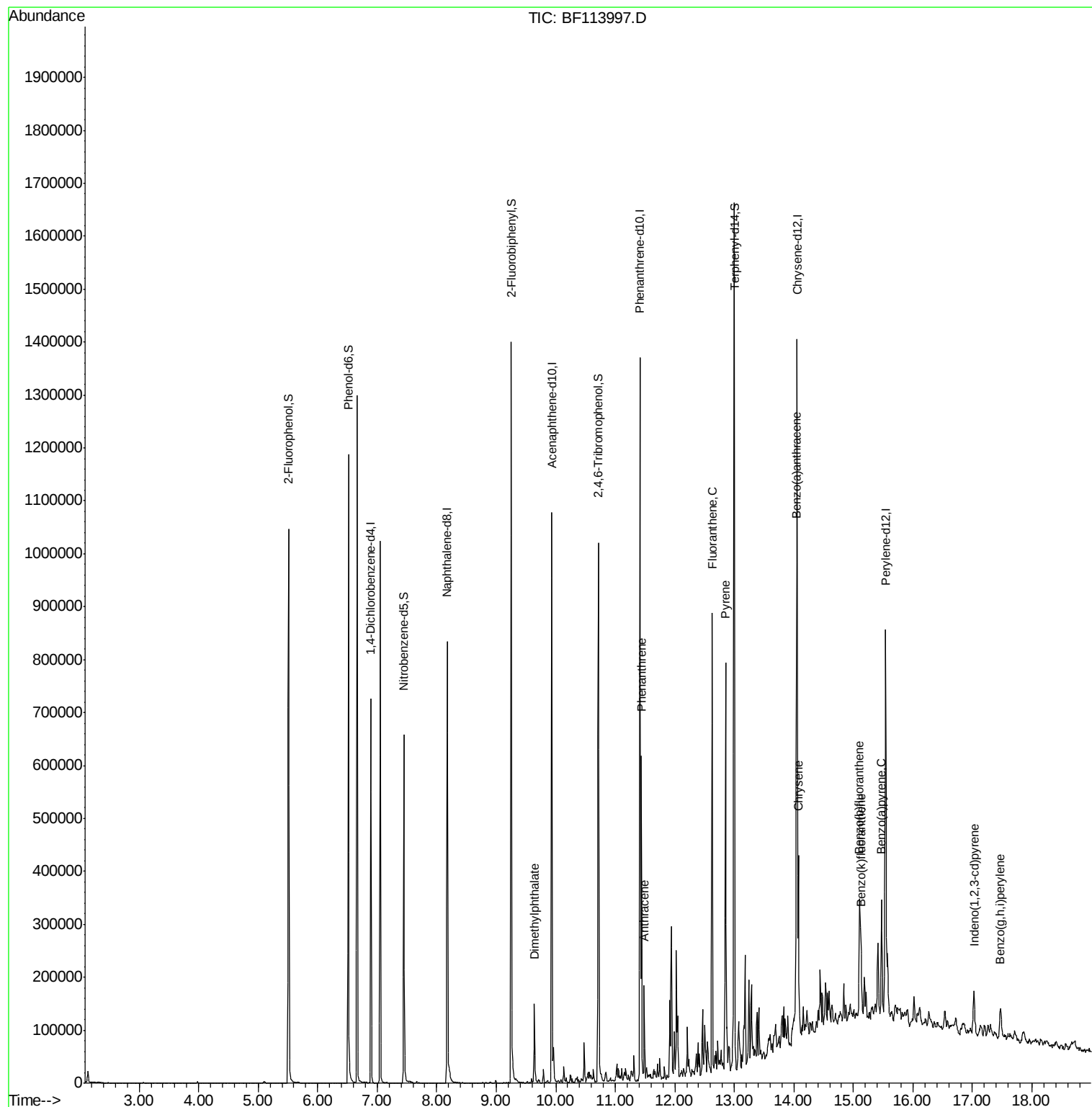
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113997.D
Acq On : 25 Apr 2019 23:58
Operator : JU/SJ
Sample : K2203-19 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

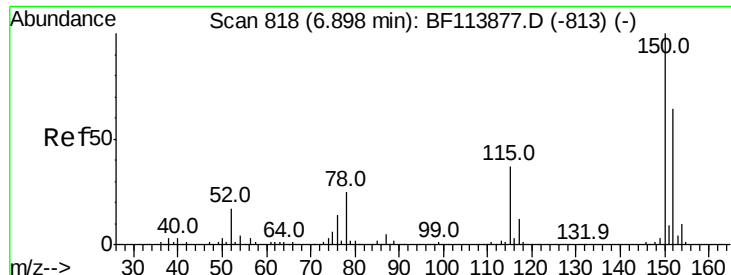
Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM

Quant Time: Apr 26 06:40:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration





#1

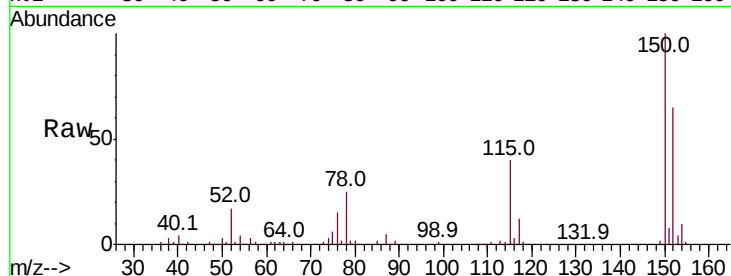
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.9	188.9
115	61.2	45.9	68.9

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM



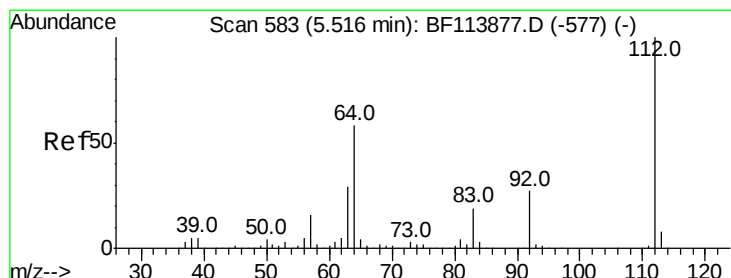
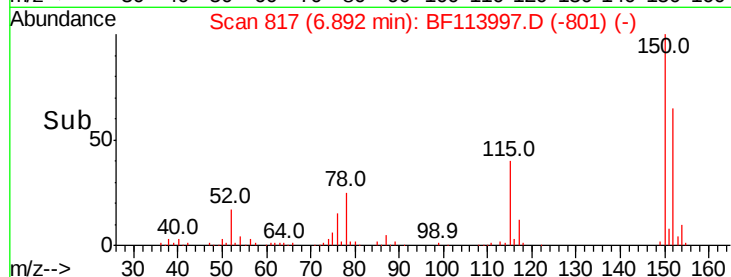
Abundance

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

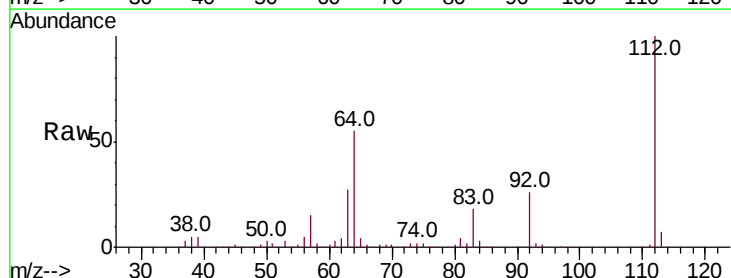
Time-->



#5

2-Fluorophenol
Concen: 49.556 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.6	69.8
63	26.6	23.1	34.7



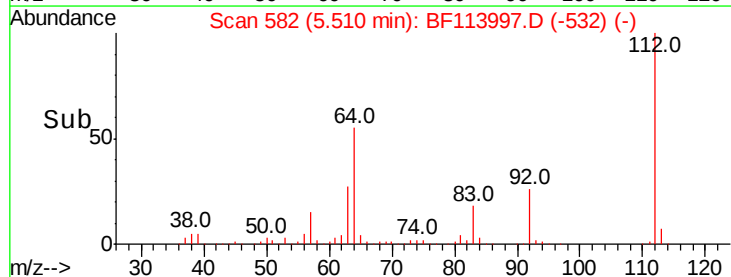
Abundance

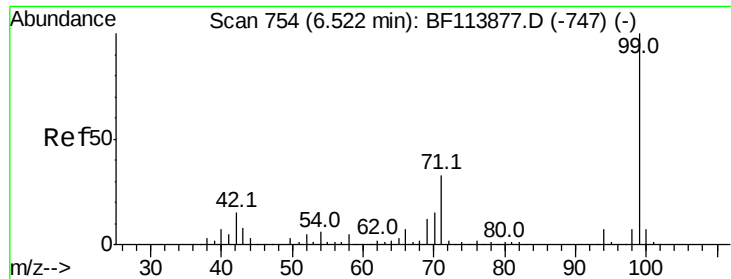
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 52.118 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

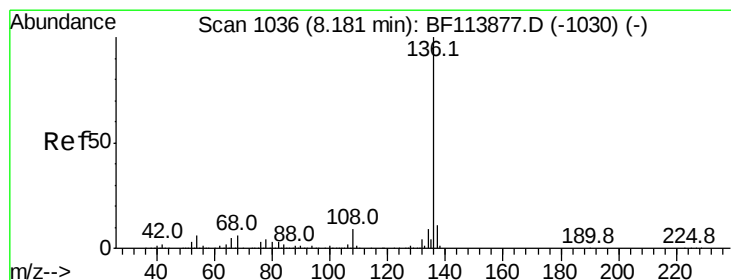
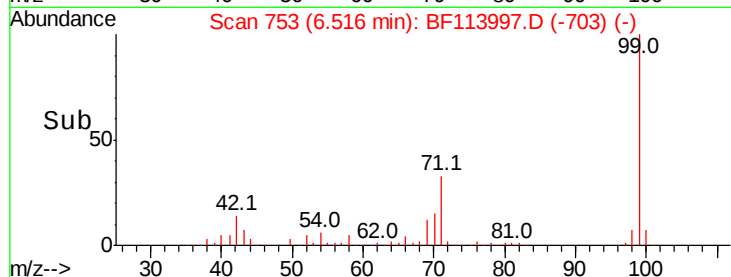
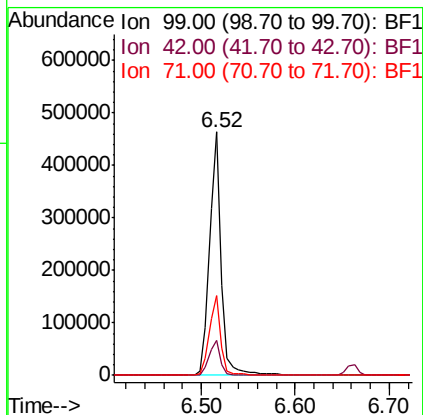
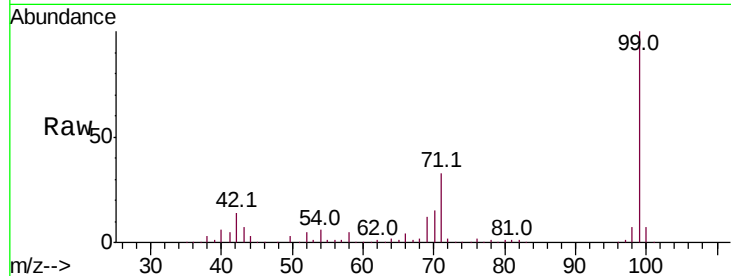
ClientSampleId :

SU-03-042419-B

Tot Ion:	99	Resp:	406202
Ion	Ratio	Lower	Upper
99	100		
42	14.2	12.5	18.7
71	32.8	26.9	40.3

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM



#21

Naphthalene-d8

Concen: 20.000 ng

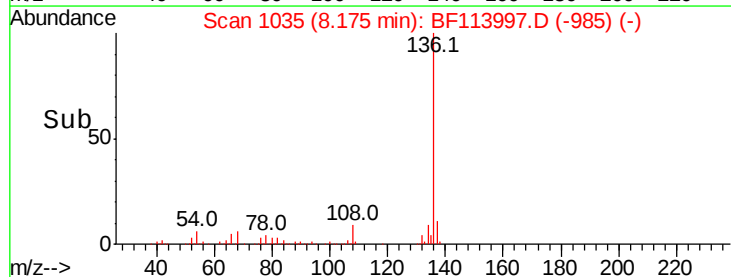
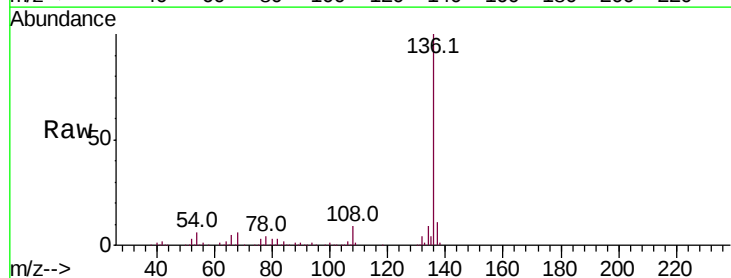
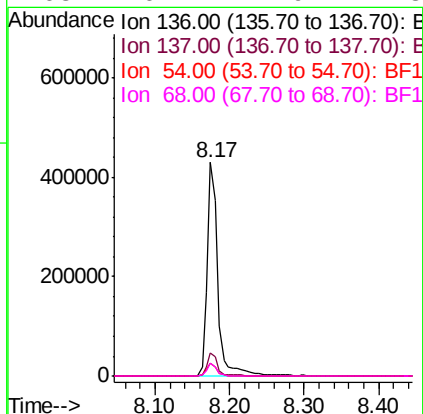
RT: 8.17 min Scan# 1035

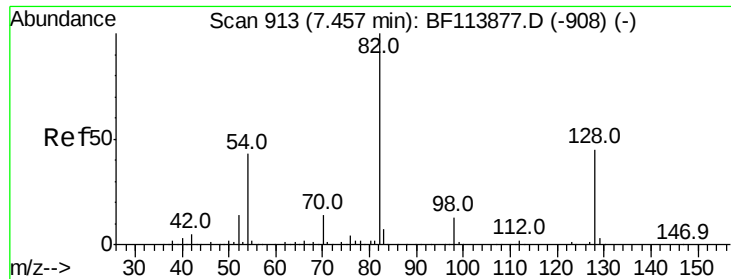
Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Tgt Ion:	136	Resp:	428965
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.1	5.0	7.6
68	6.1	4.9	7.3





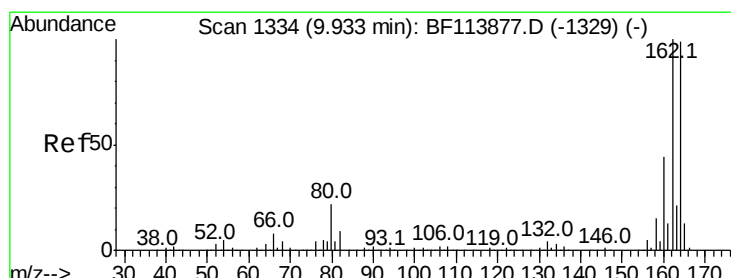
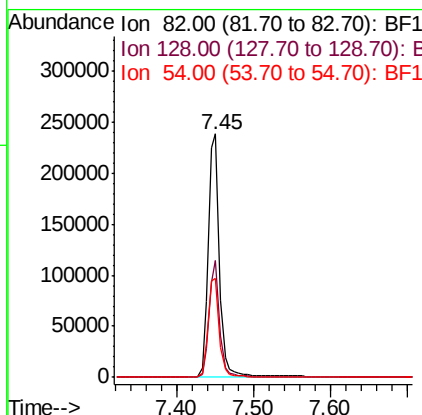
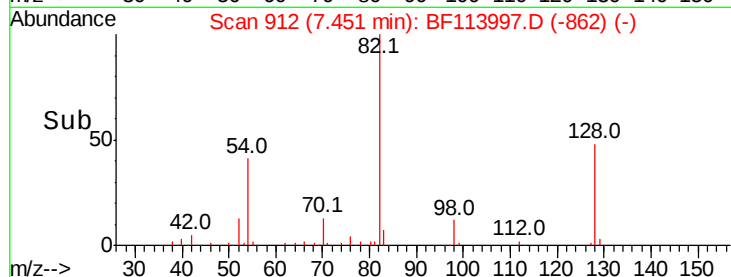
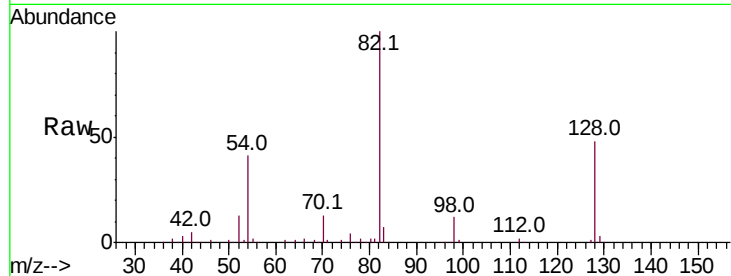
#23
Nitrobenzene-d5
Concen: 34.881 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.8	55.2
54	40.6	33.8	50.6

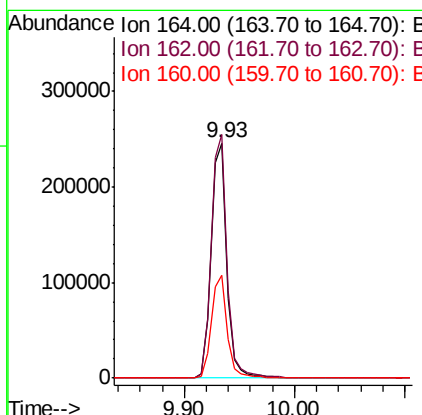
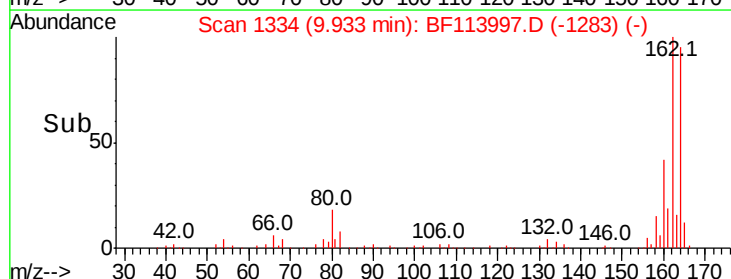
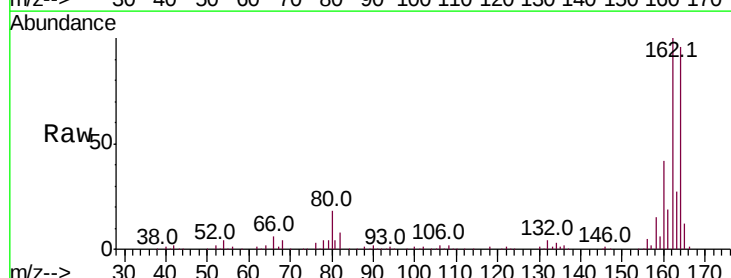
Manual Integrations
APPROVED

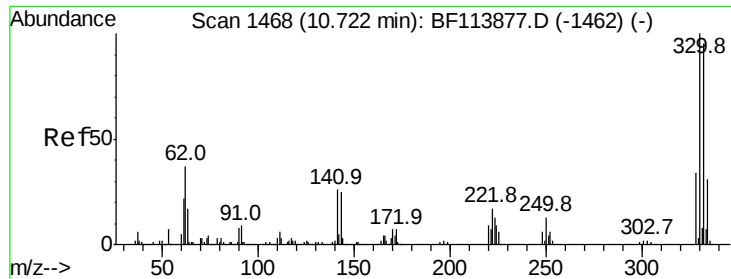
Sohil
4/29/2019 5:49:56 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.1	121.7
160	43.9	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 51.228 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

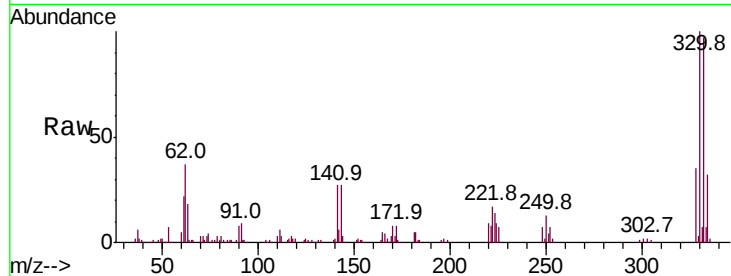
ClientSampleId :

SU-03-042419-B

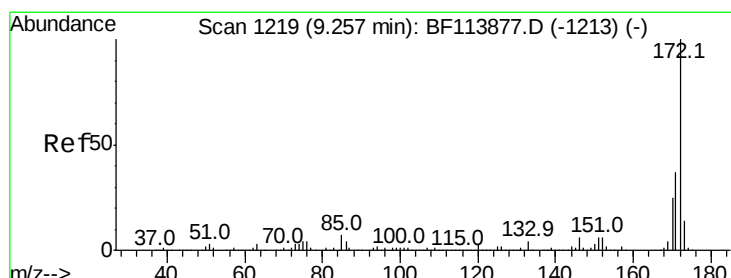
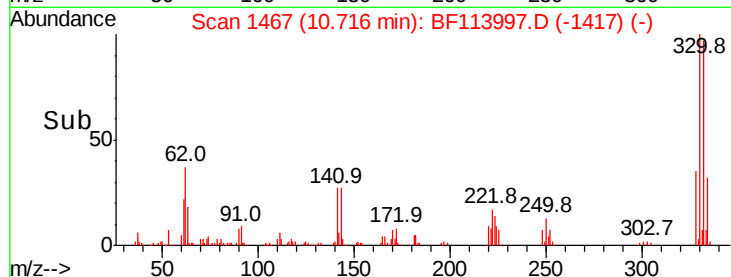
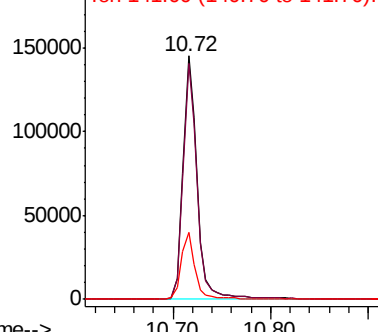
Tot Ion:	330	Resp:	146676
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.5	116.3
141	27.0	22.2	33.2

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 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: 31.244 ng

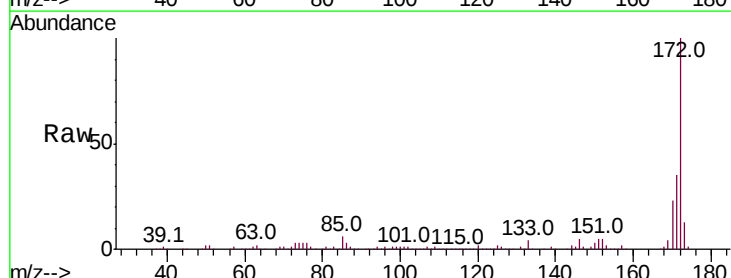
RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

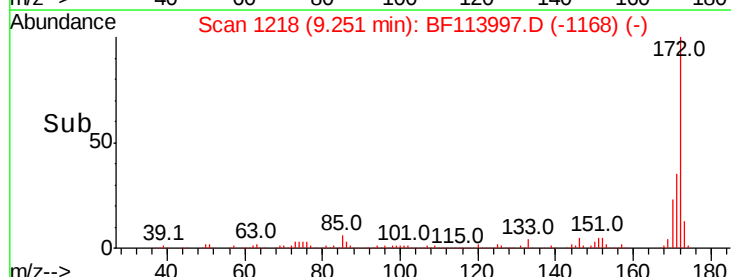
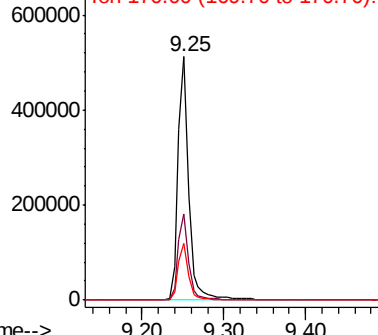
Lab File: BF113997.D

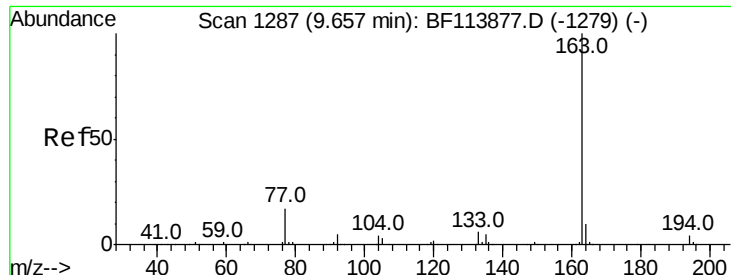
Acq: 25 Apr 2019 23:58

Tgt Ion:	172	Resp:	469513
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.4	44.0
170	23.1	19.9	29.9



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





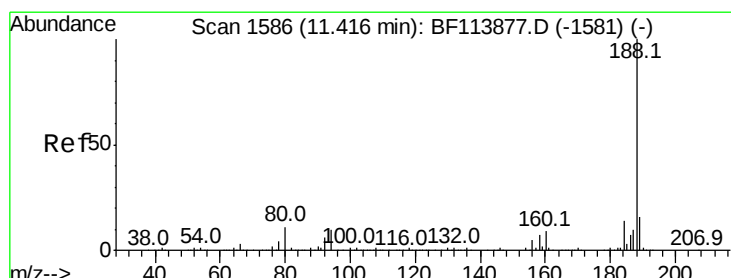
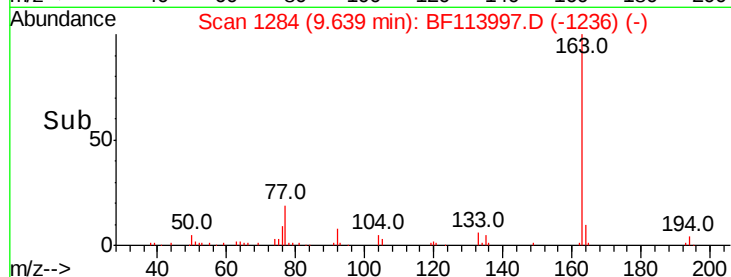
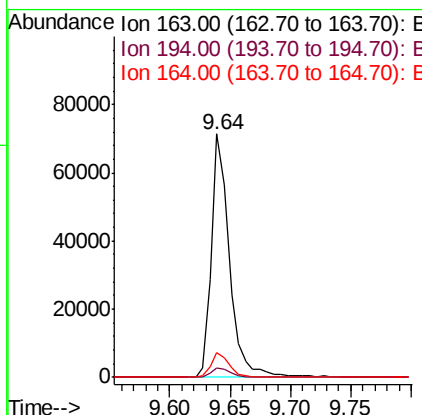
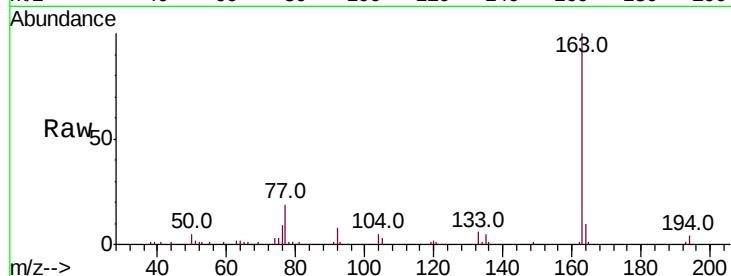
#50
Dimethylphthalate
Concen: 4.312 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	73289		
194	4.1		3.4	5.2
164	10.2		8.5	12.7

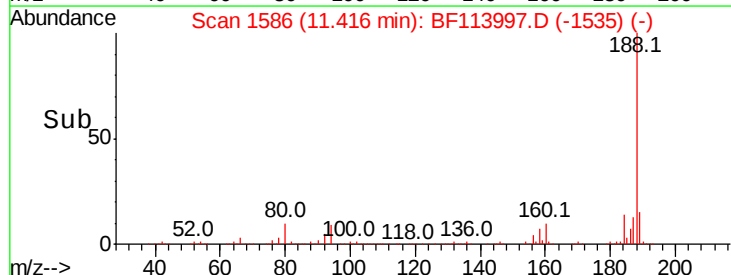
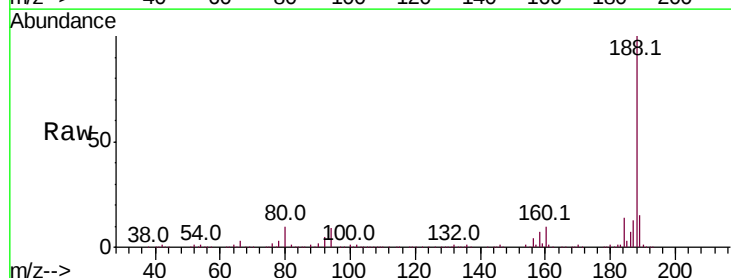
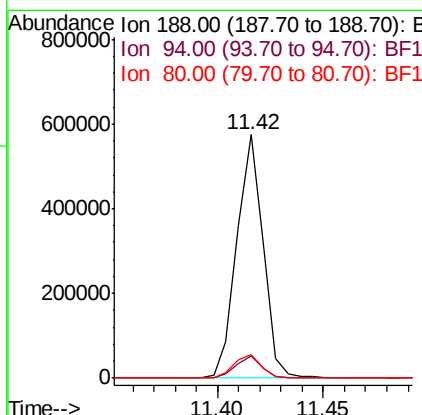
Manual Integrations
APPROVED

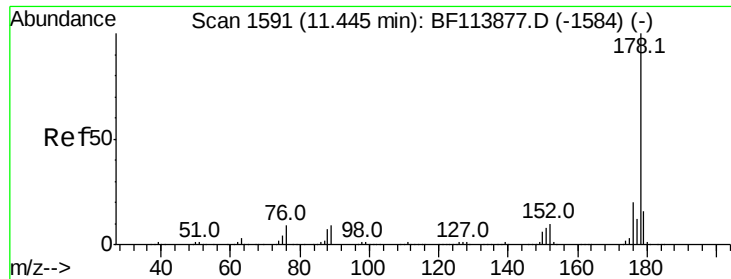
Sohil
4/29/2019 5:49:56 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	493255		
94	9.1		8.2	12.4
80	9.8		9.0	13.6





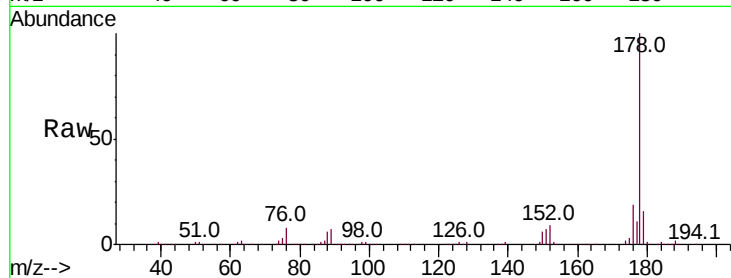
#71
Phenanthrene
Concen: 8.620 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

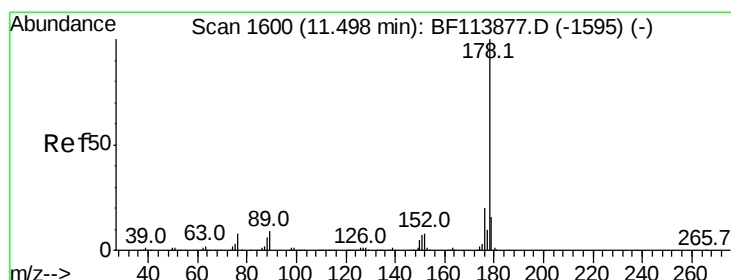
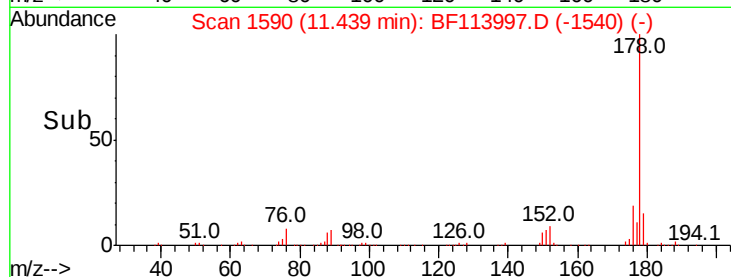
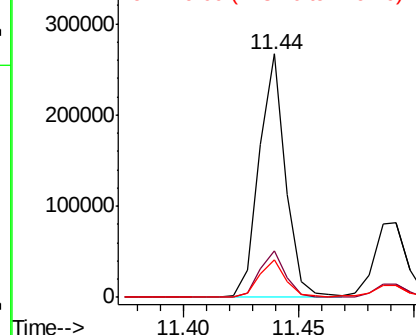
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.1	24.1
179	15.5	12.8	19.2

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM



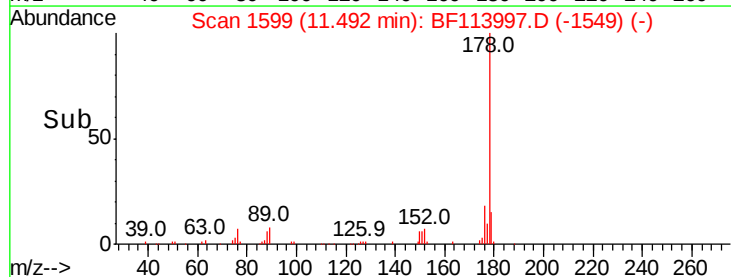
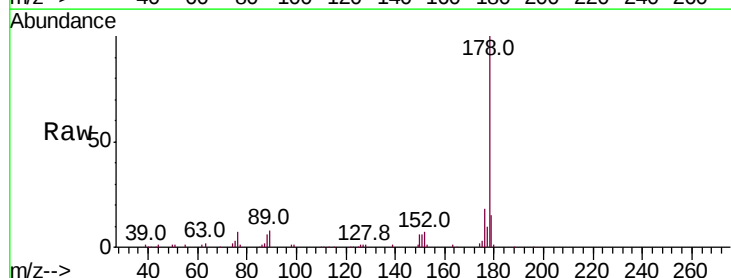
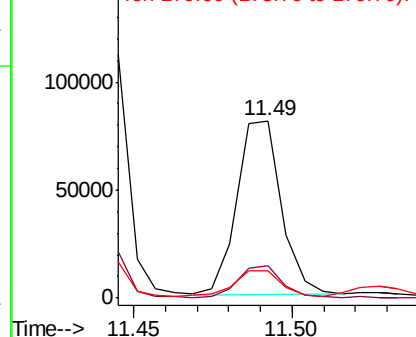
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

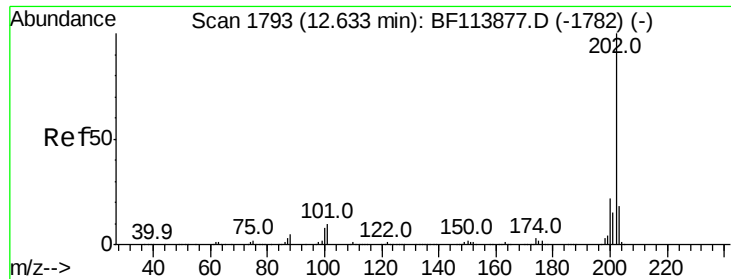


#72
Anthracene
Concen: 3.125 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.4	13.0	19.4

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: 11.914 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Instrument :

BNA_F

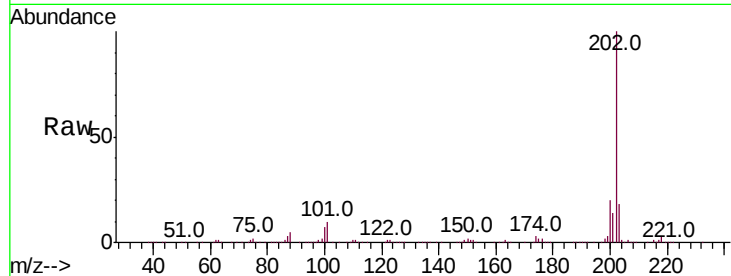
ClientSampleId :

SU-03-042419-B

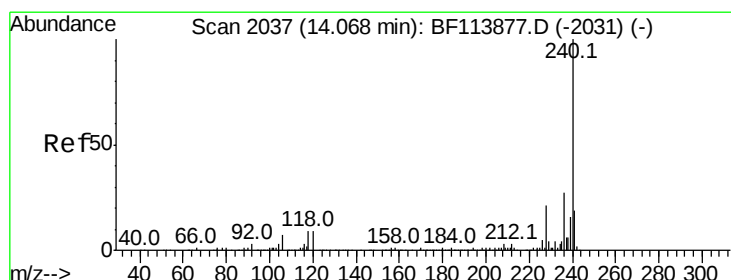
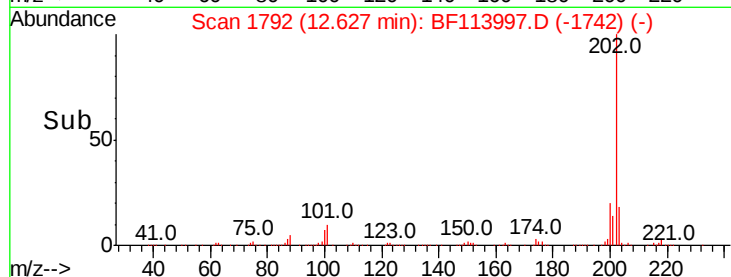
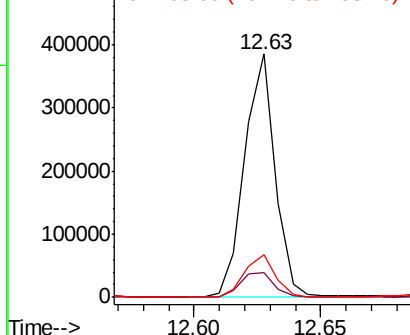
Tot Ion	Ratio	Resp	Lower	Upper
202	100	322212		
101	10.3	0.0	32.9	
203	17.5	0.0	38.2	

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM



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

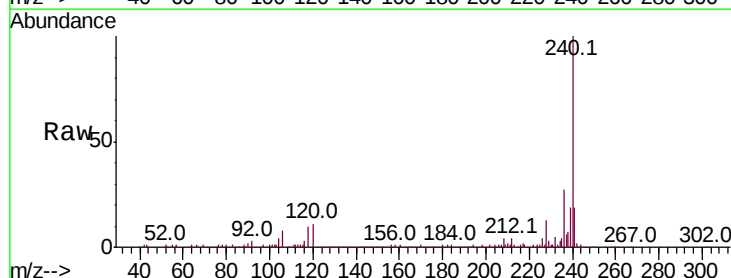
RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

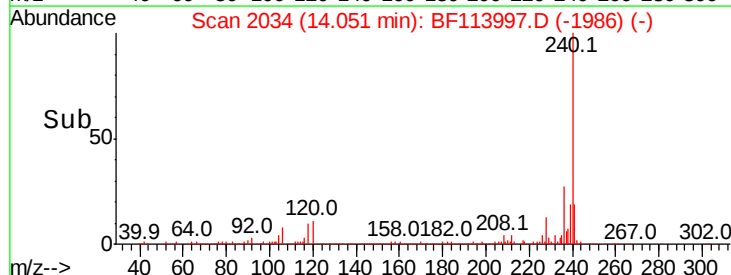
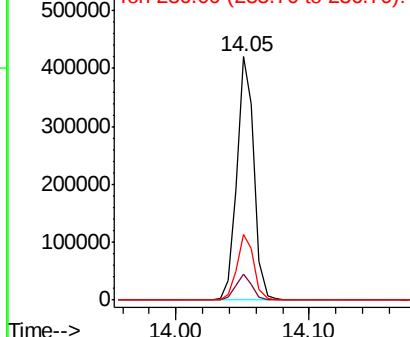
Lab File: BF113997.D

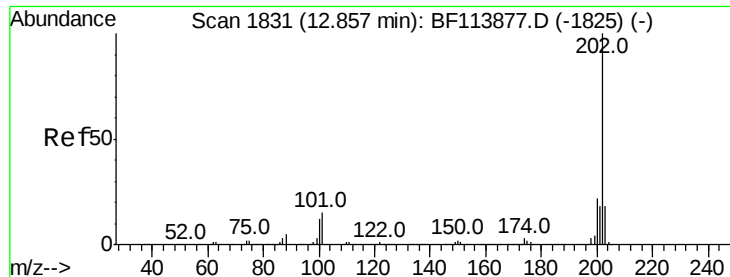
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	377530		
120	10.9	9.3	13.9	
236	26.8	21.2	31.8	



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: 12.254 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

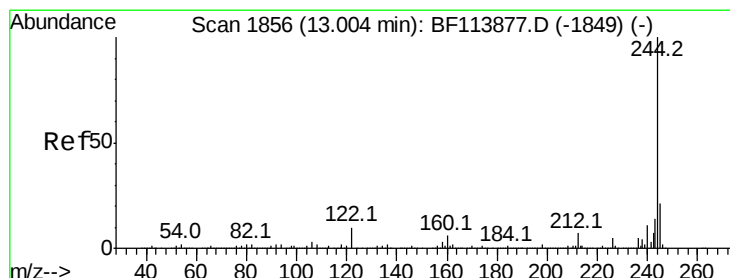
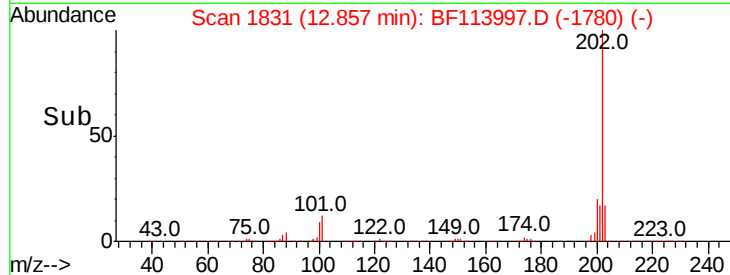
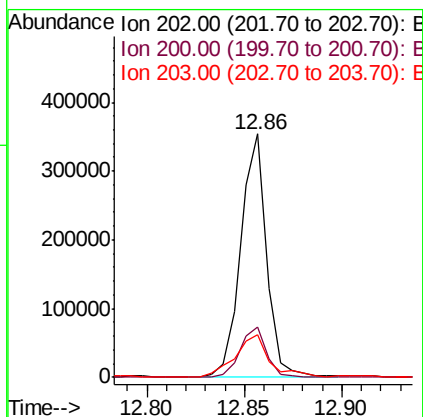
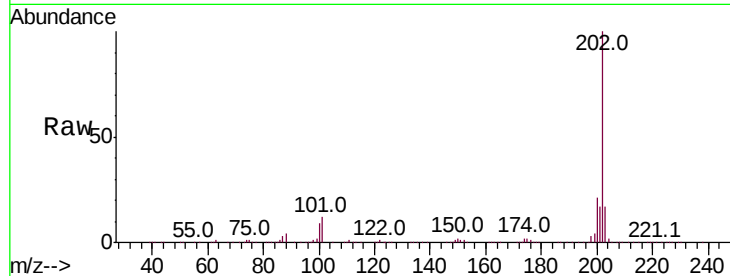
Instrument :
BNA_F

ClientSampleId :
SU-03-042419-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.7	26.5
203	17.5	15.0	22.6

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM



#79

Terphenyl-d14

Concen: 32.695 ng

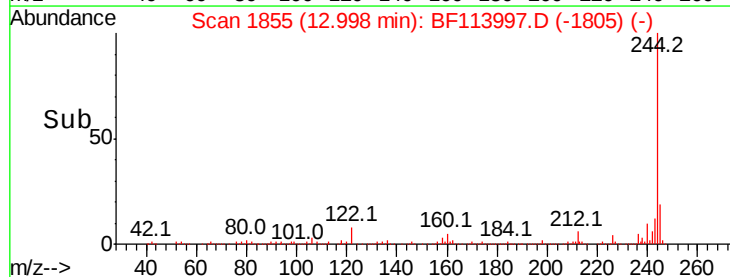
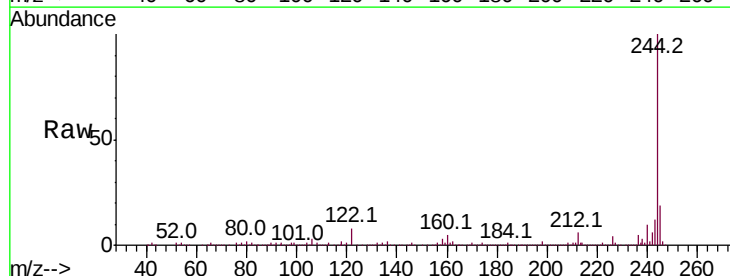
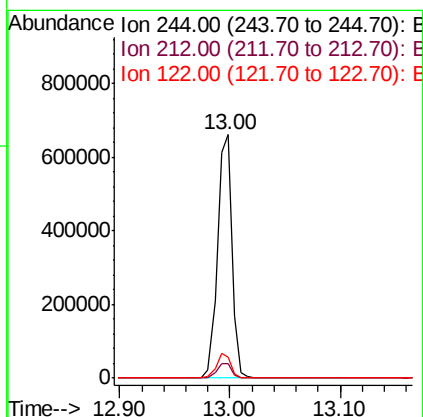
RT: 13.00 min Scan# 1855

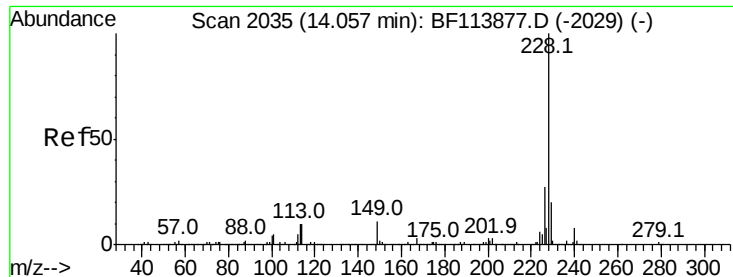
Delta R.T. -0.01 min

Lab File: BF113997.D

Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.4	8.2
122	8.5	7.6	11.4





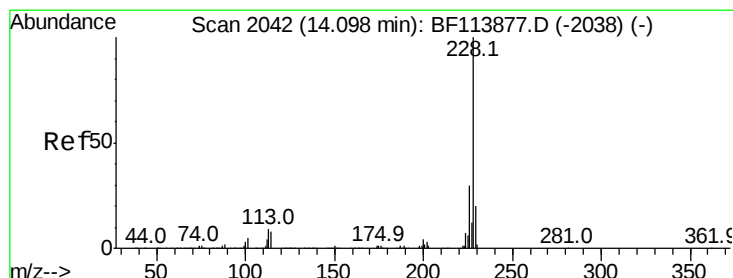
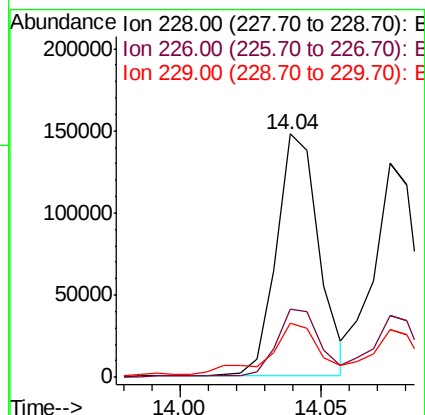
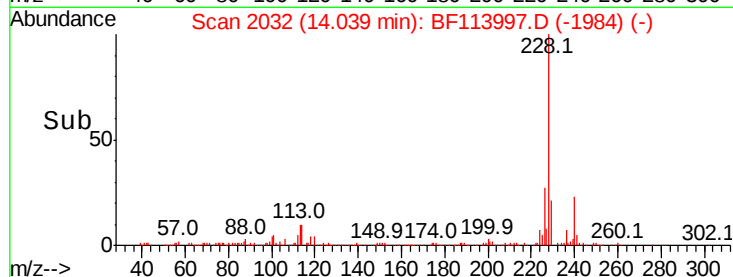
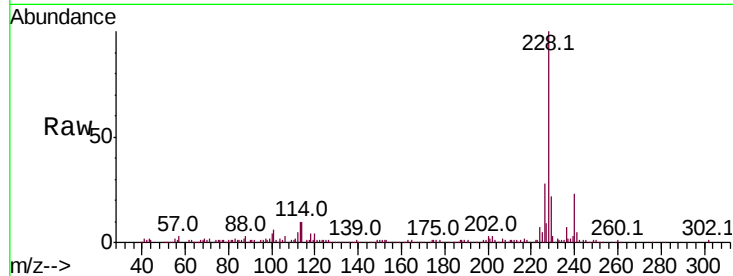
#81
Benzo(a)anthracene
Concen: 6.924 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	22.1	16.0	24.0

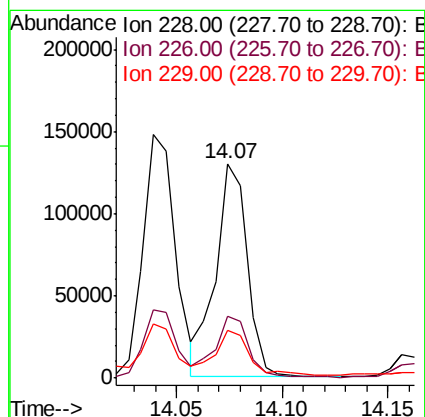
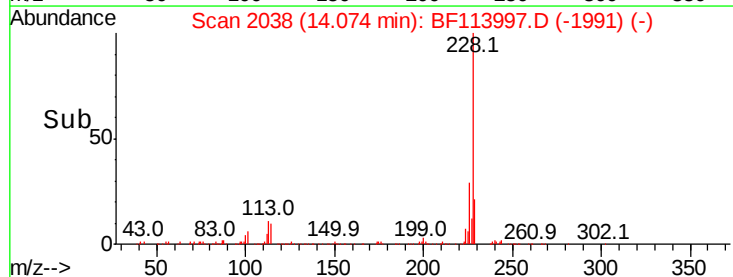
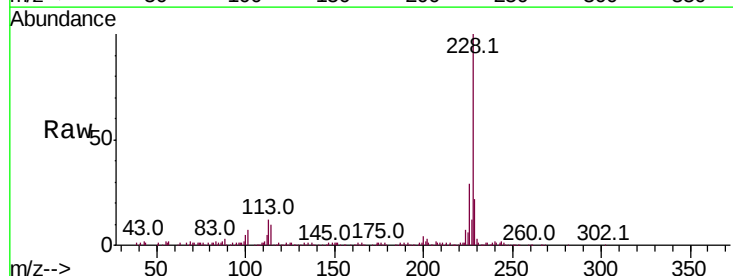
Manual Integrations
APPROVED

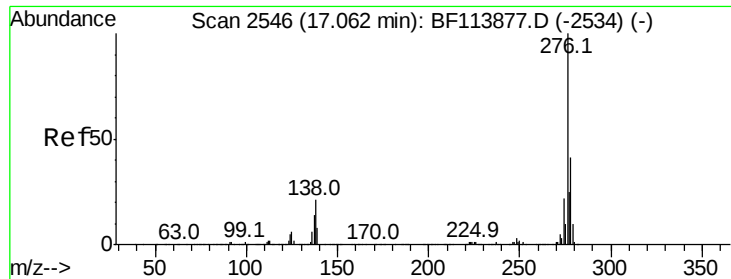
Sohil
4/29/2019 5:49:56 AM



#83
Chrysene
Concen: 6.251 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.2	37.8
229	22.1	16.7	25.1





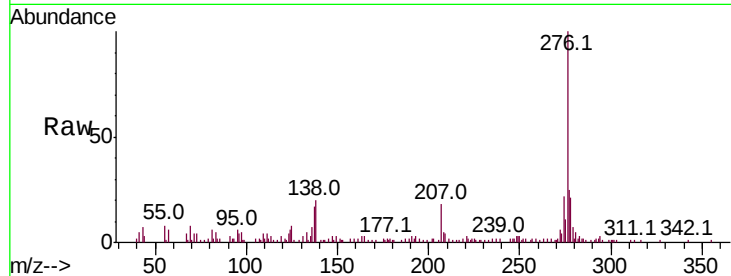
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.674 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF113997.D
 Acq: 25 Apr 2019 23:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-042419-B

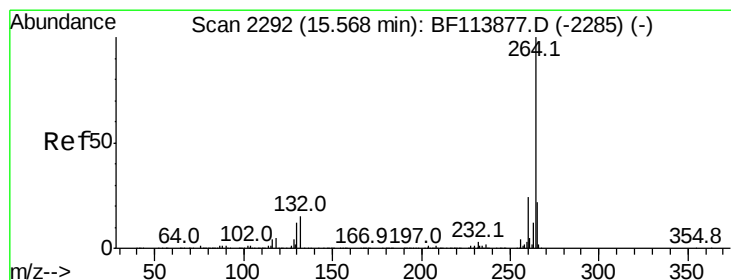
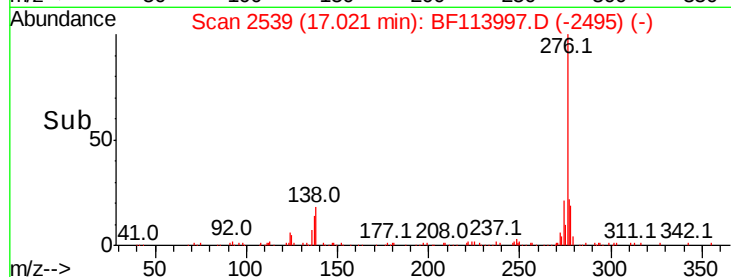
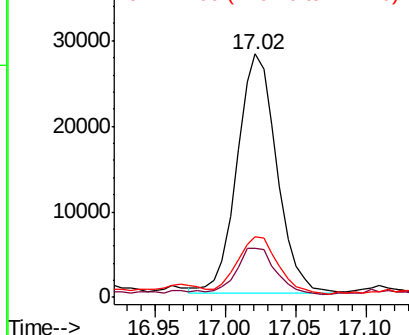
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.6	29.4
277	24.9	20.2	30.4

Manual Integrations
 APPROVED

Sohil
 4/29/2019 5:49:56 AM

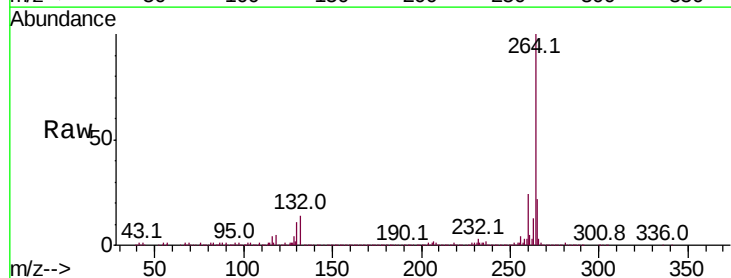


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

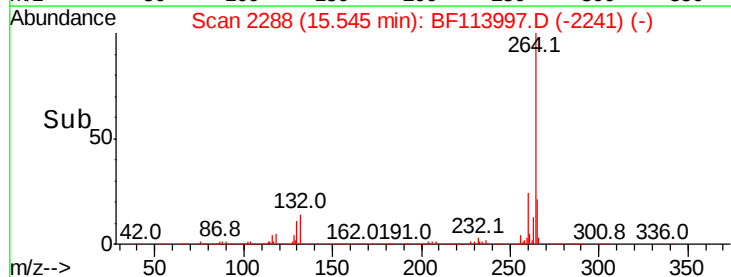
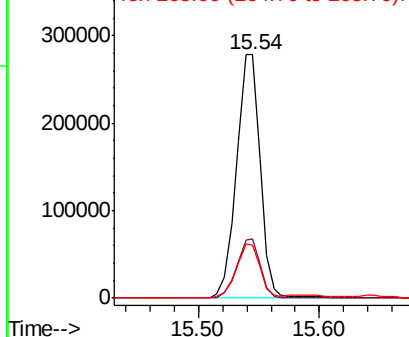


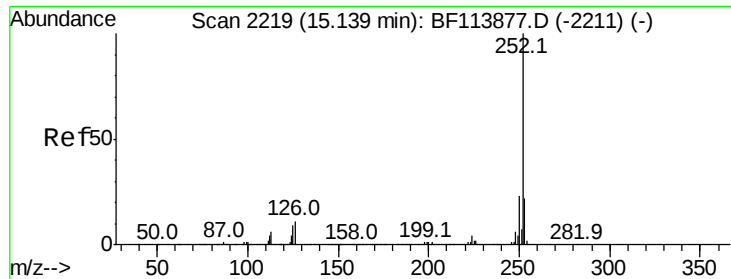
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF113997.D
 Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	21.6	17.3	25.9



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





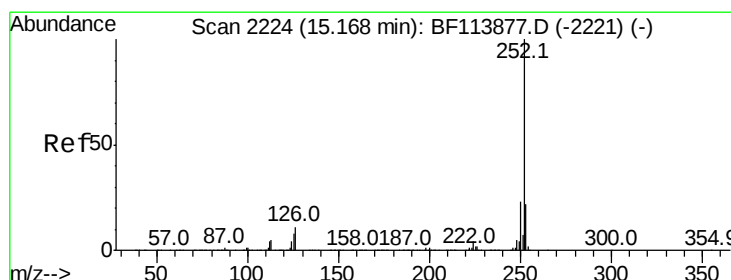
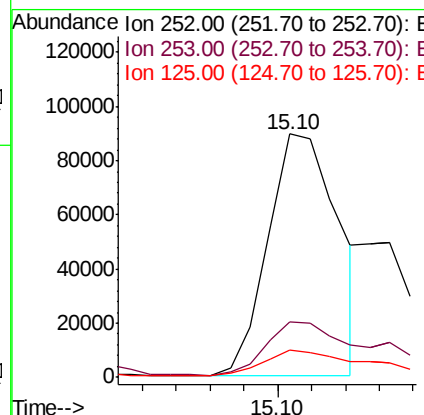
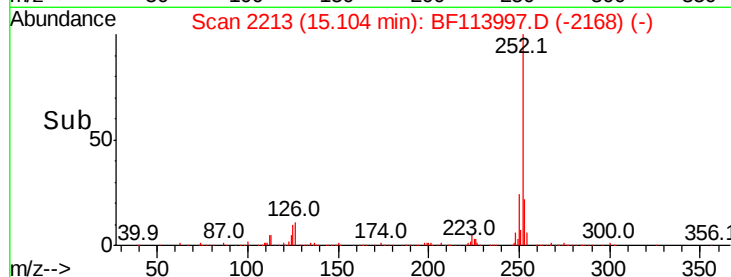
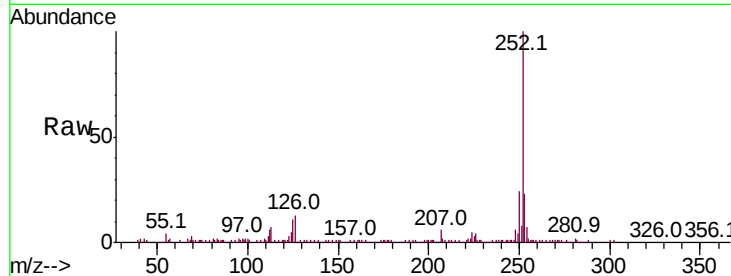
#88
Benzo(b)fluoranthene
Concen: 5.347 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Tot Ion	Ratio	Resp	Lower	Upper
252	100	129557		
253	22.9	17.8	26.6	
125	11.0	7.0	10.6	

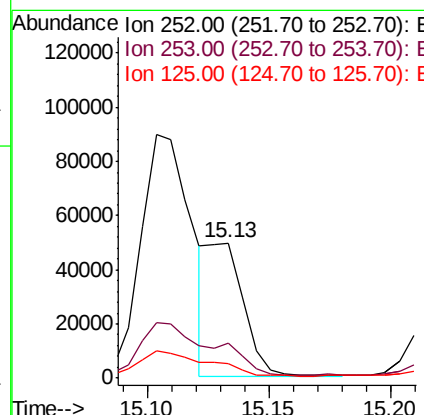
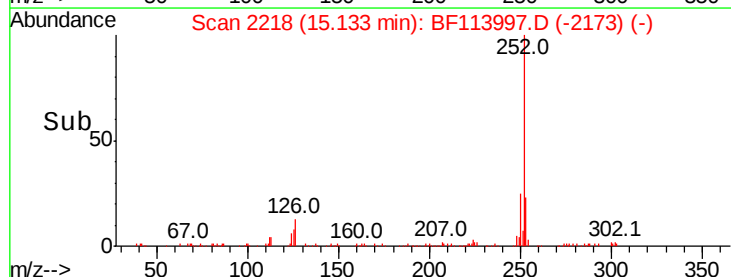
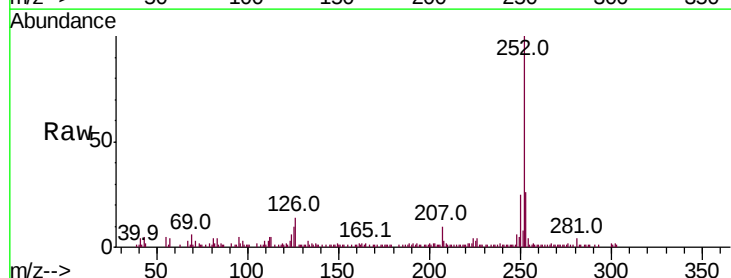
Manual Integrations
APPROVED

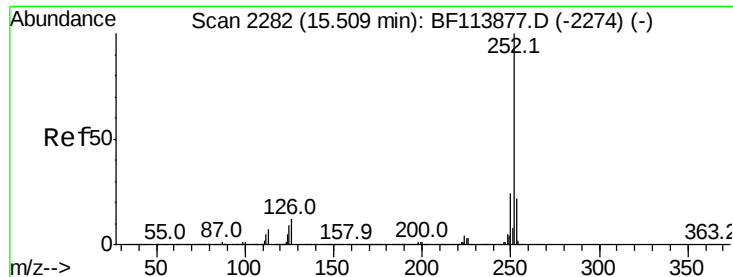
Sohil
4/29/2019 5:49:56 AM



#89
Benzo(k)fluoranthene
Concen: 2.420 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50431		
253	25.9	18.2	27.2	
125	10.3	7.4	11.2	





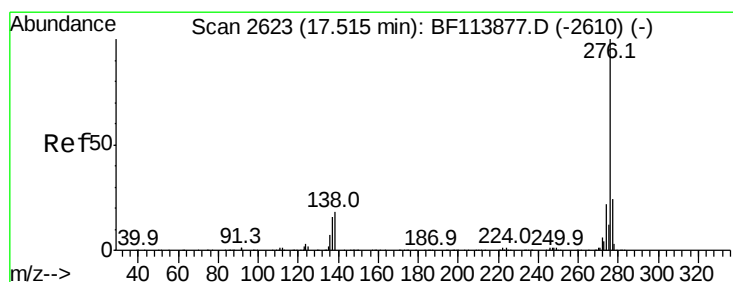
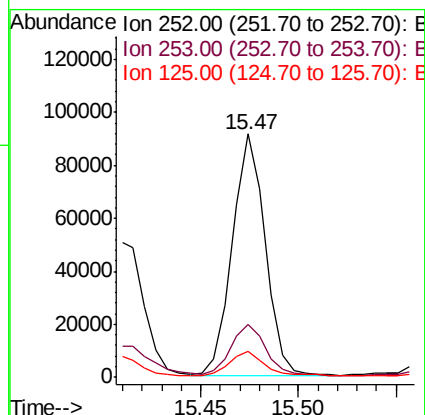
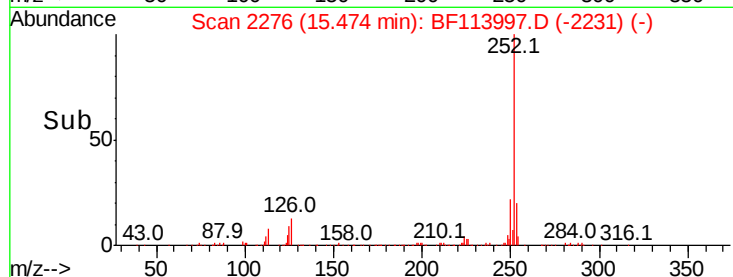
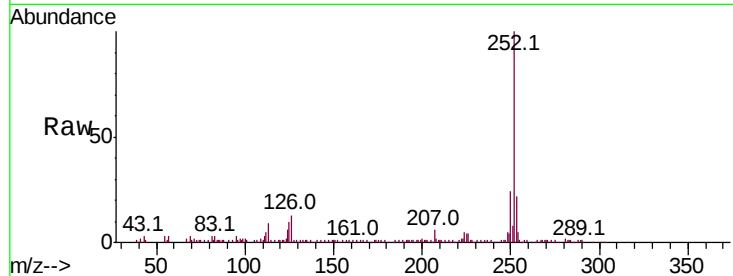
#90
Benzo(a)pyrene
Concen: 5.110 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-B

Tot Ion:	252	Resp:	107098
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	10.5	8.5	12.7

Manual Integrations
APPROVED

Sohil
4/29/2019 5:49:56 AM



#92
Benzo(g,h,i)perylene
Concen: 2.569 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF113997.D
Acq: 25 Apr 2019 23:58

Tgt Ion:	276	Resp:	50996
Ion Ratio	Lower	Upper	
276	100		
277	22.7	19.0	28.4
138	19.3	16.6	25.0

