Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116694.D
Acq On : 31 Aug 2019 12:56
Operator : HP/JU
Sample : K4618-07RE 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-20-22

Quant Time: Aug 31 16:03:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108036	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	443431	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	228032	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	382778	20.00	ng		0.00
76) Chrysene-d12	14.00	240	250955	20.00	ng		0.00
87) Perylene-d12	15.45	264	272860	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	30922	4.64	ng		-0.01
7) Phenol-d6	6.46	99	43138	4.93	ng		-0.02
23) Nitrobenzene-d5	7.40	82	25200	3.24	ng		-0.01
42) 2,4,6-Tribromophenol	10.66	330	5440	3.57	ng		-0.01
45) 2-Fluorobiphenyl	9.20	172	40655	3.01	ng		-0.01
79) Terphenyl-d14	12.94	244	39603	2.92	ng		-0.01
Target Compounds							Qvalue
51) 2,6-Dinitrotoluene	9.88	165	29422	9.795	ng	#	20
54) 2,4-Dinitrophenol	10.15	184	750	9.665	ng	#	42
57) 2,4-Dinitrotoluene	9.88	165	29422	8.011	ng	#	20
75) Fluoranthene	12.57	202	41973	2.004	ng		95
78) Pyrene	12.80	202	167301	7.500	ng		98
81) Benzo(a)anthracene	13.99	228	364186	22.929	ng		96
83) Chrysene	14.02	228	486396	29.725	ng	#	94
86) Indeno(1,2,3-cd)pyrene	16.90	276	123571	9.402	ng	#	71
88) Benzo(b)fluoranthene	15.03	252	249508	15.125	ng	#	96
89) Benzo(k)fluoranthene	15.03	252	249508	16.588	ng		96
90) Benzo(a)pyrene	15.39	252	254596	17.739	ng		96
91) Dibenzo(a,h)anthracene	16.90	278	139230	11.083	ng	#	78
92) Benzo(g,h,i)perylene	17.33	276	232727	18.164	ng	#	92

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
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Acq On : 31 Aug 2019 12:56
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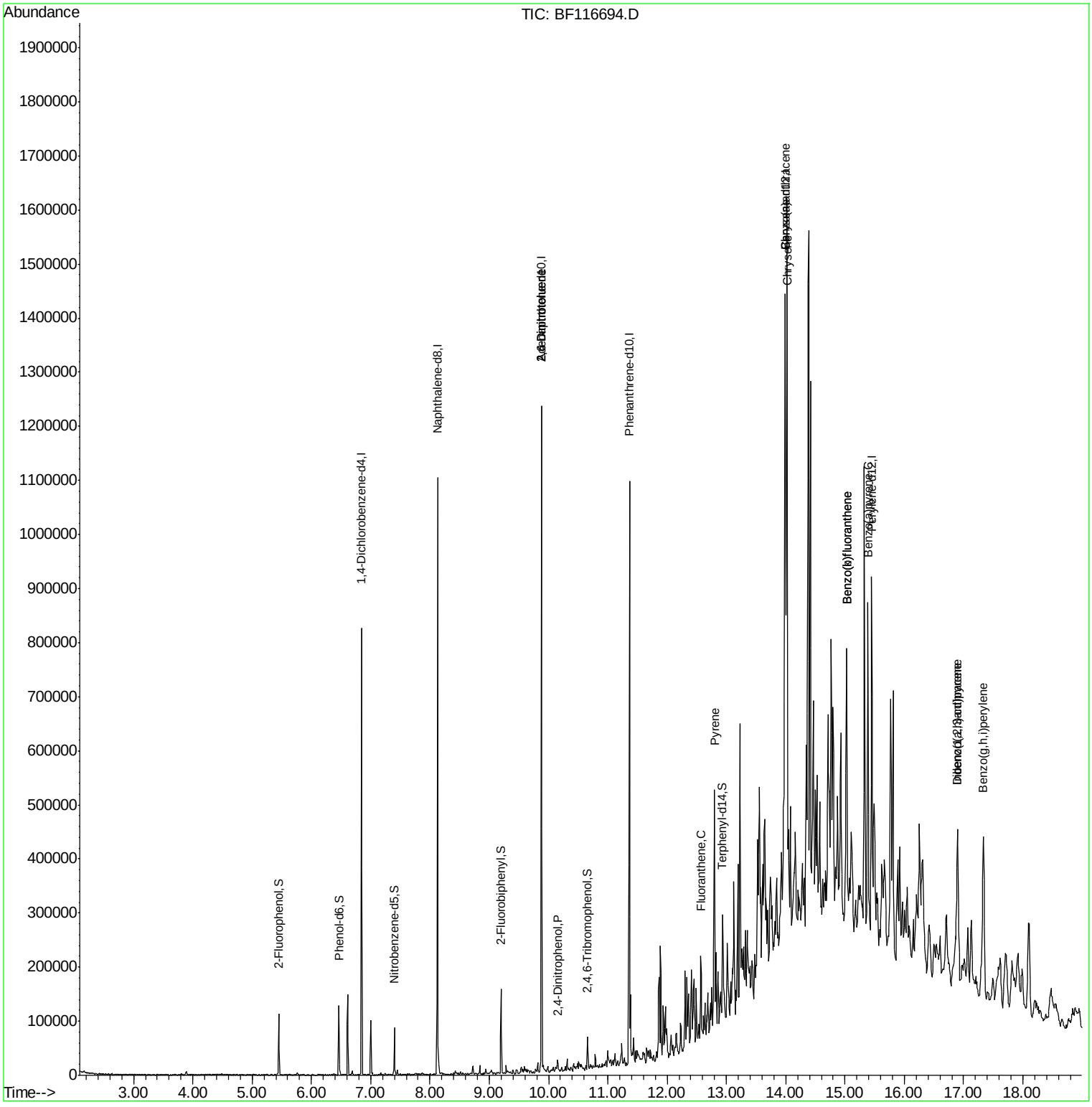
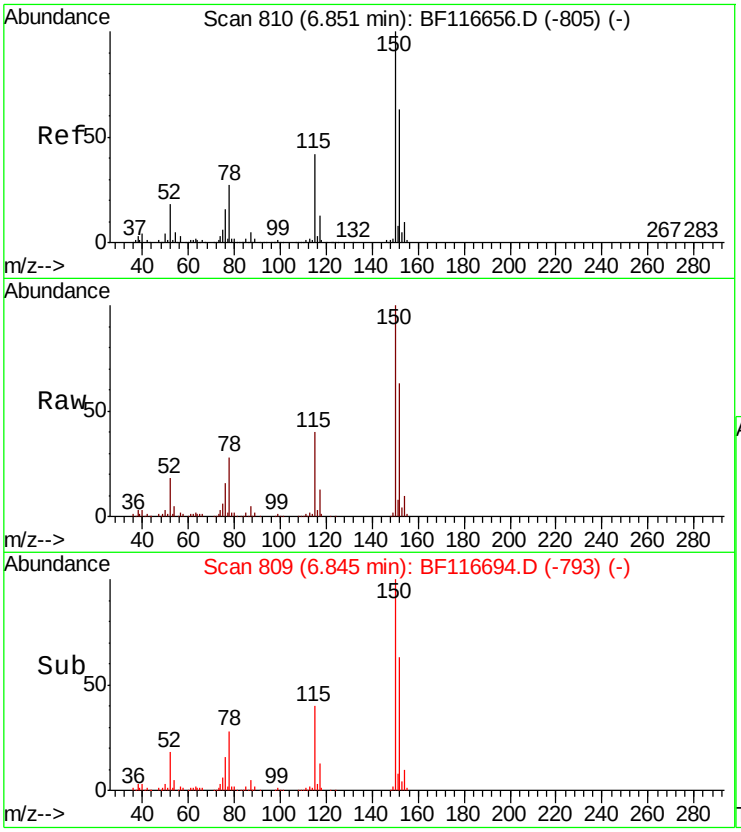
BNA_F
ClientSampleId :
SB-4-20-22

Quant Time: Aug 31 16:03:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration



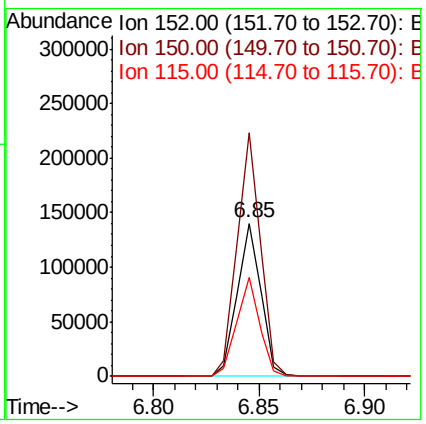


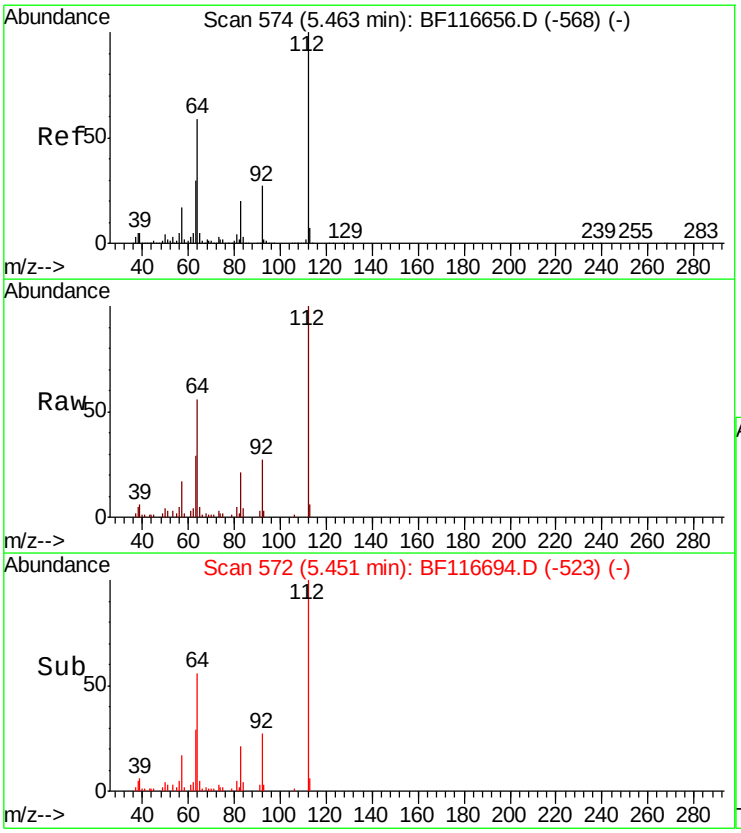
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:152 Resp: 108036

Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.4	186.6
115	64.5	49.9	74.9

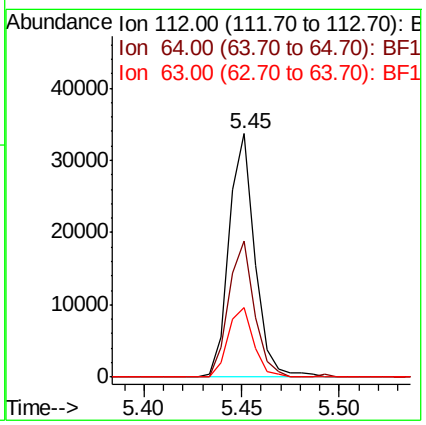


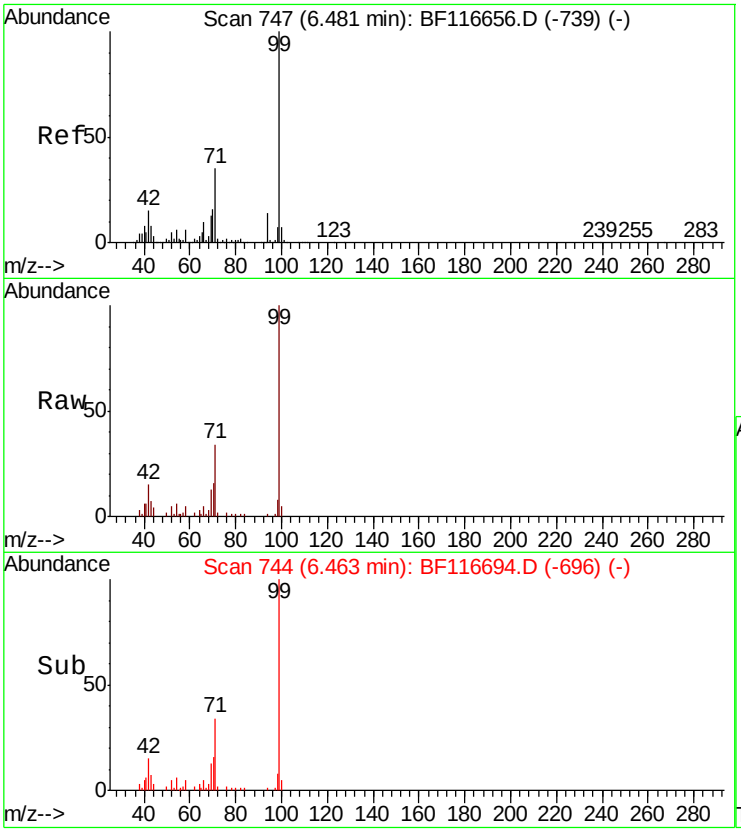


#5
2-Fluorophenol
Concen: 4.637 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:112 Resp: 30922

Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.1	70.7
63	28.5	24.9	37.3



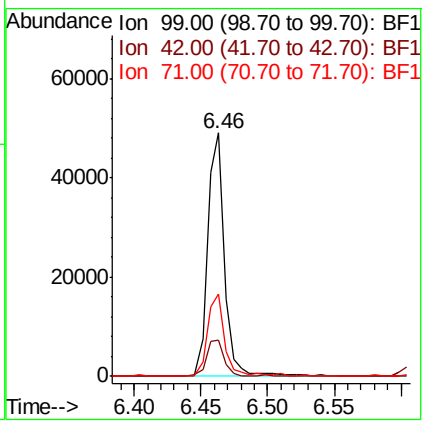


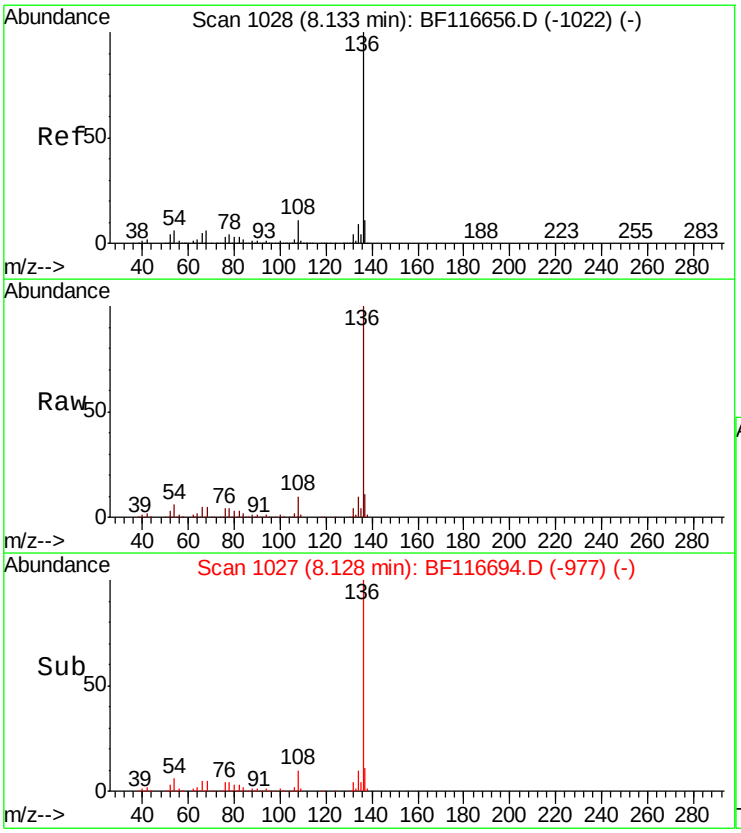
#7
Phenol-d6
Concen: 4.926 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion: 99 Resp: 43138

Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.7	20.5
71	33.9	30.8	46.2

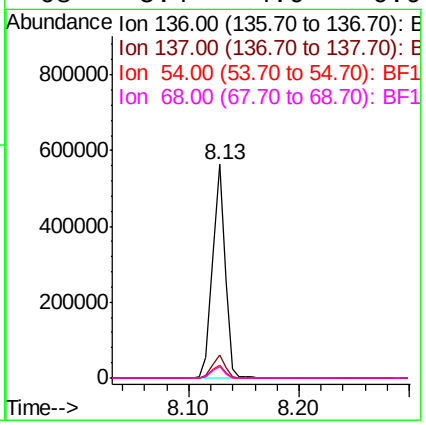


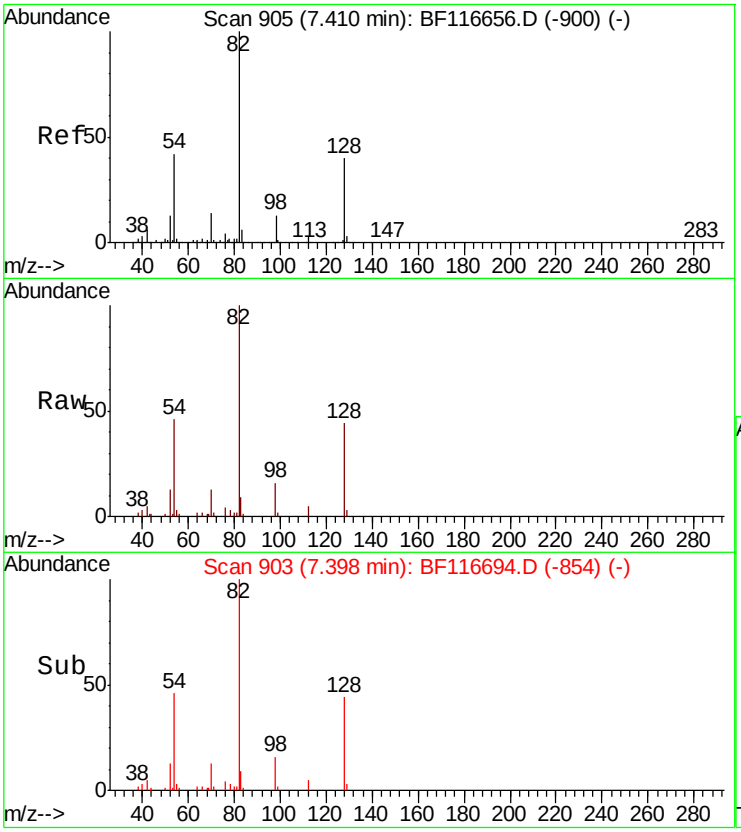


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:136 Resp: 443431

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	5.9	4.8	7.2
68	5.4	4.0	6.0



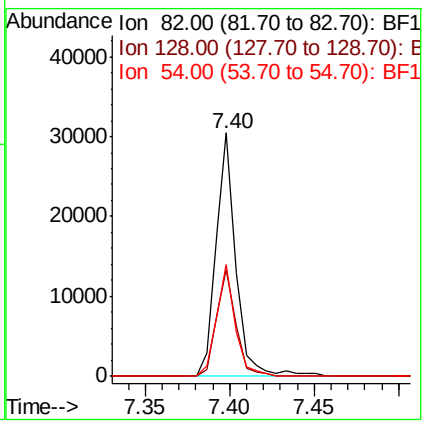


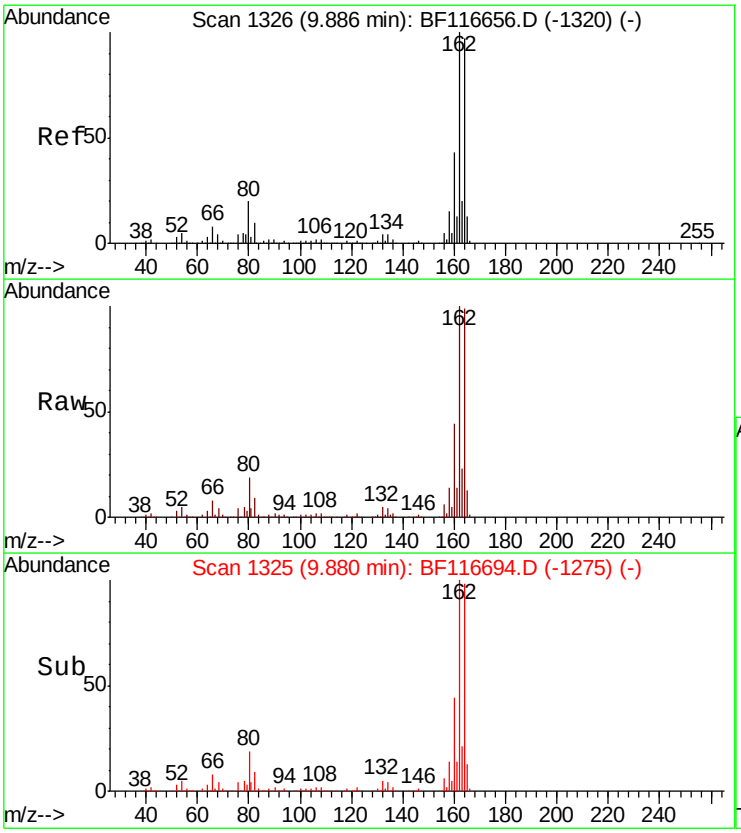
#23
Nitrobenzene-d5
Concen: 3.244 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion: 82 Resp: 25200

Ion	Ratio	Lower	Upper
82	100		
128	43.6	32.8	49.2
54	45.8	36.9	55.3

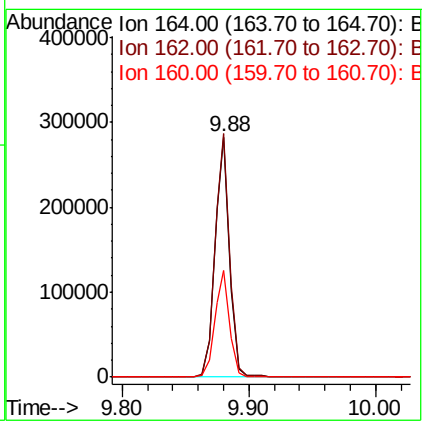


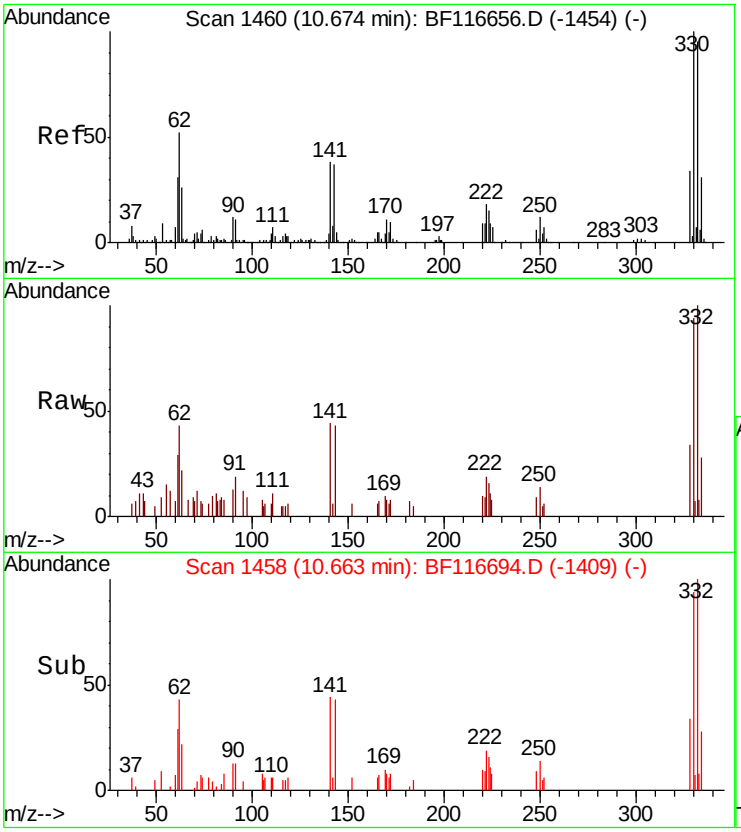


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:164 Resp: 228032

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.4	122.0
160	44.7	35.4	53.2



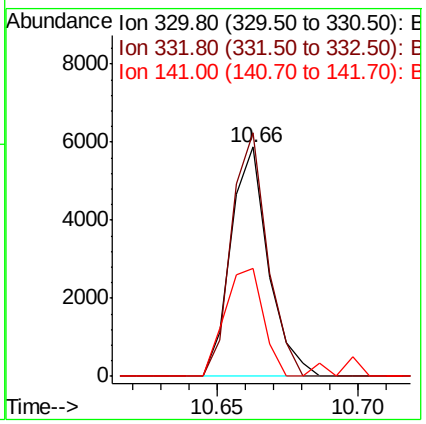


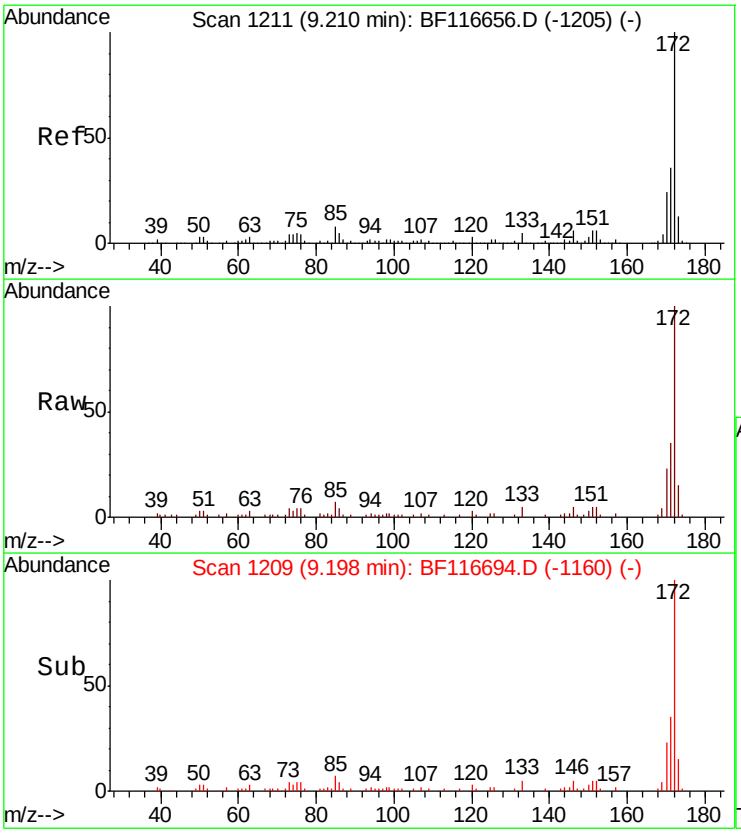
#42
2,4,6-Tribromophenol
Concen: 3.569 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:330 Resp: 5440

Ion	Ratio	Lower	Upper
330	100		
332	101.0	76.9	115.3
141	48.0	31.4	47.2#

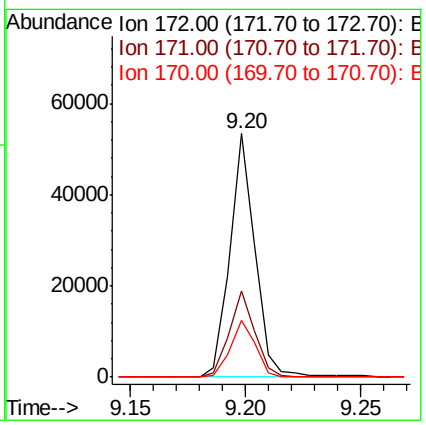


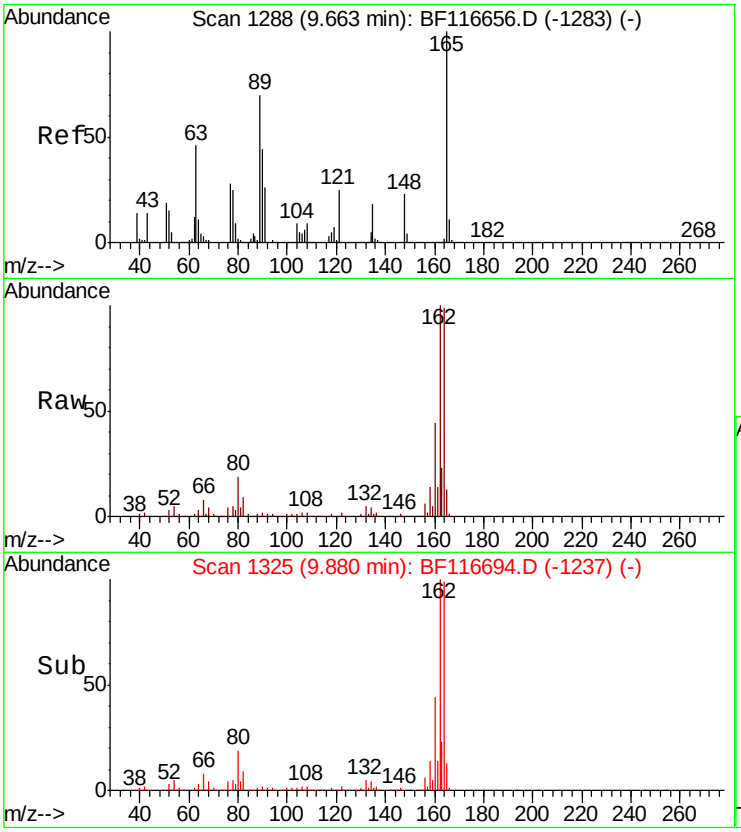


#45
2-Fluorobiphenyl
Concen: 3.008 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:172 Resp: 40655

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.6
170	23.2	18.9	28.3



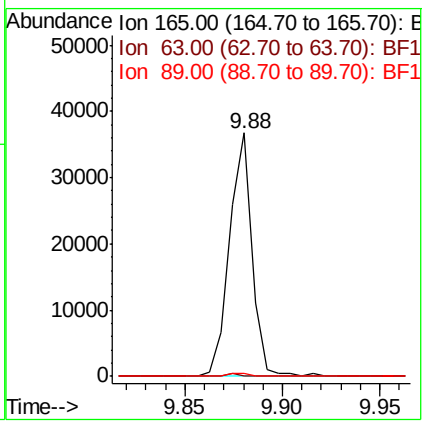


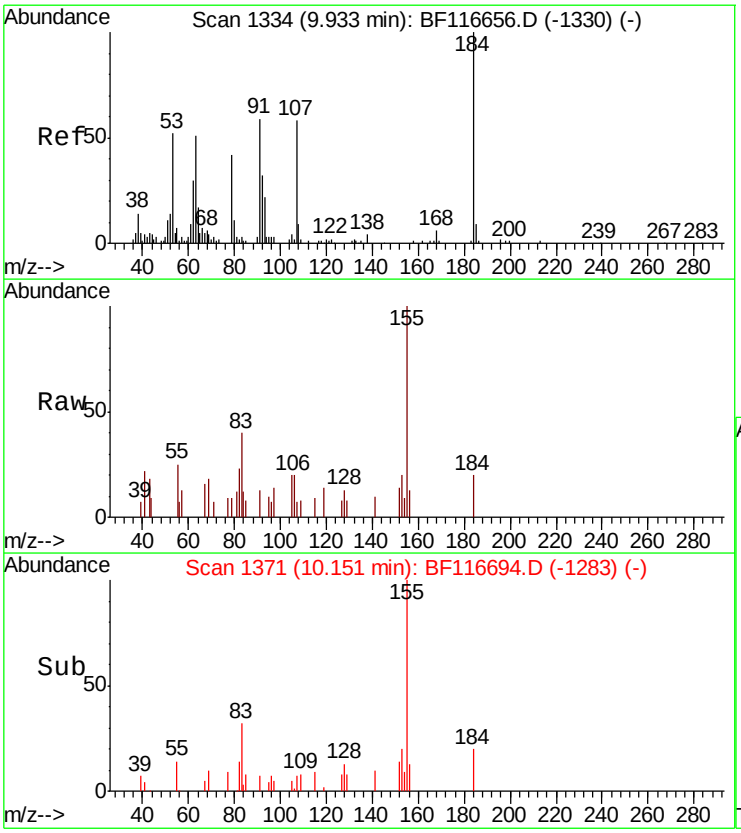
#51
2,6-Dinitrotoluene
Concen: 9.795 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:165 Resp: 29422

Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	1.2	52.5	78.7#

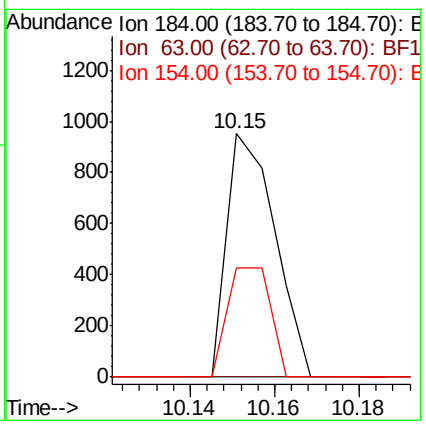


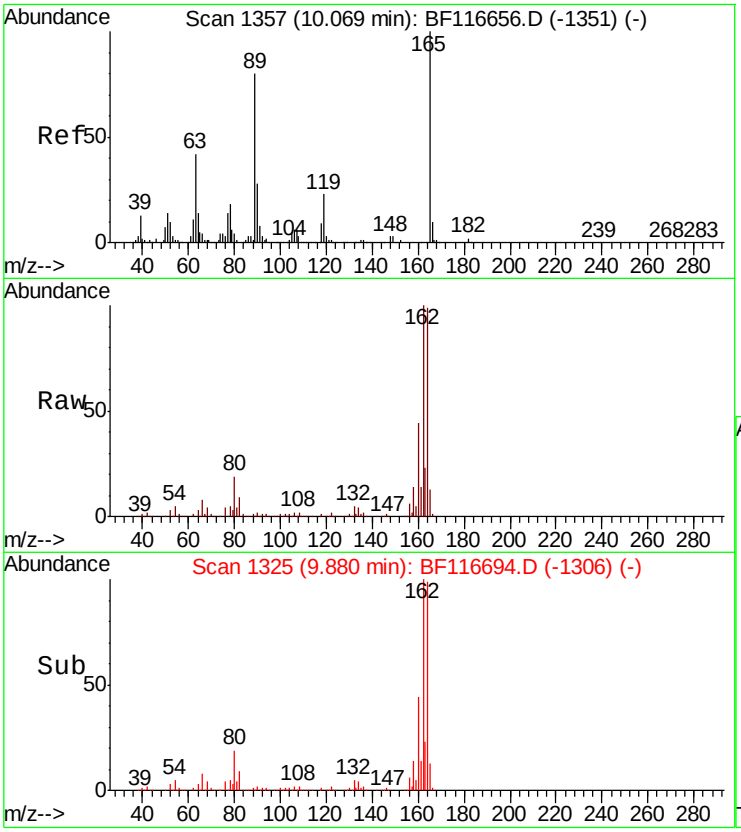


#54
2,4-Dinitrophenol
Concen: 9.665 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.22 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:184 Resp: 750

Ion	Ratio	Lower	Upper
184	100		
63	0.0	52.2	78.2#
154	45.0	60.8	91.2#



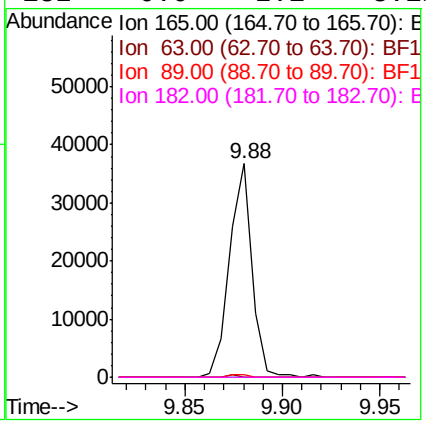


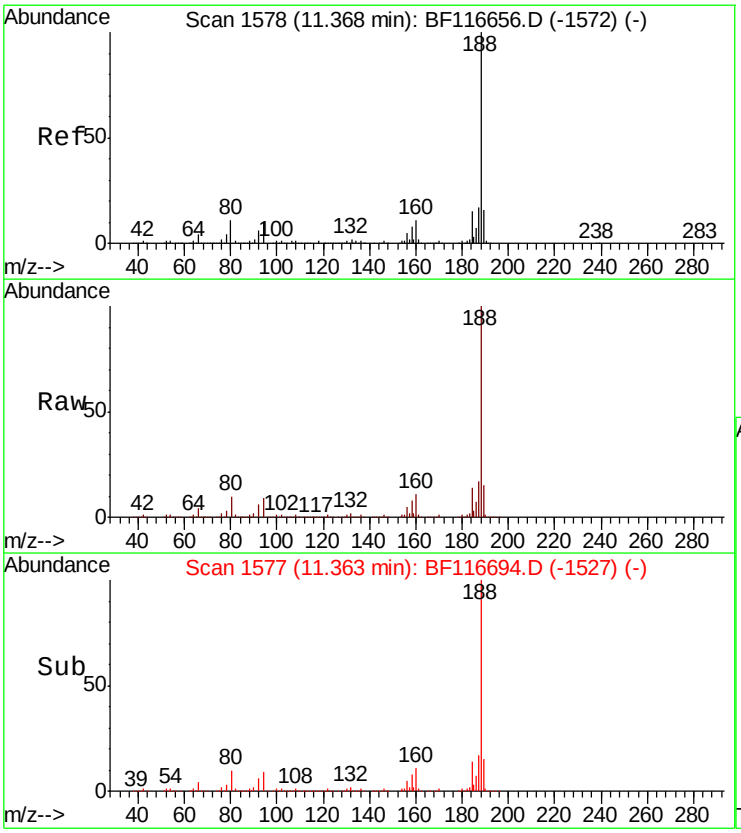
#57
2,4-Dinitrotoluene
Concen: 8.011 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:165 Resp: 29422

Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	62.6	94.0#
182	0.0	2.1	3.1#

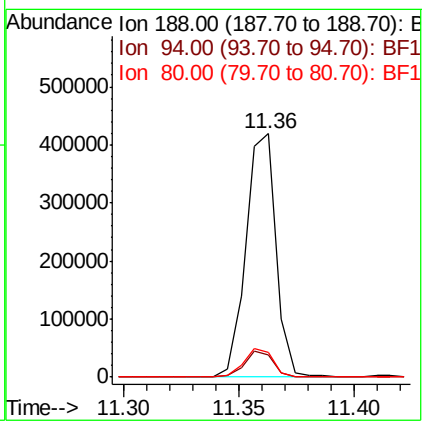


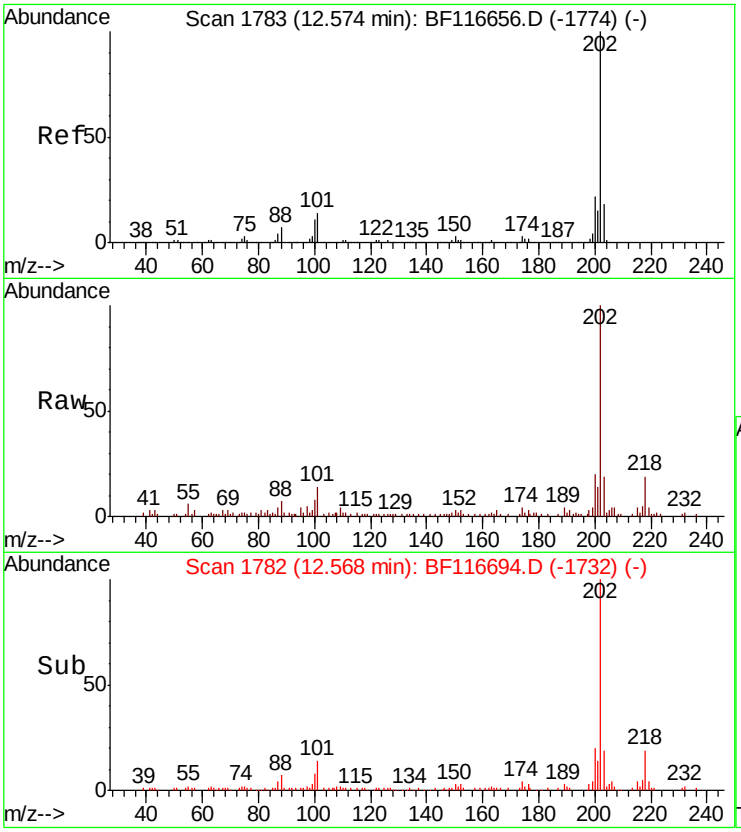


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:188 Resp: 382778

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.3	8.4	12.6



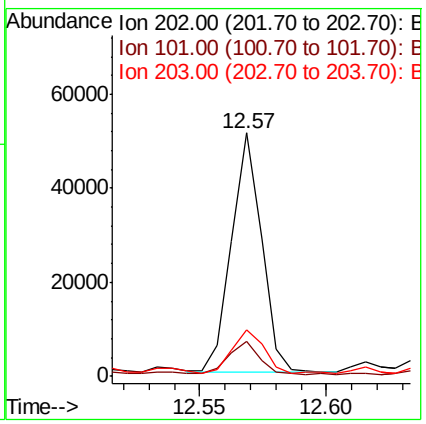


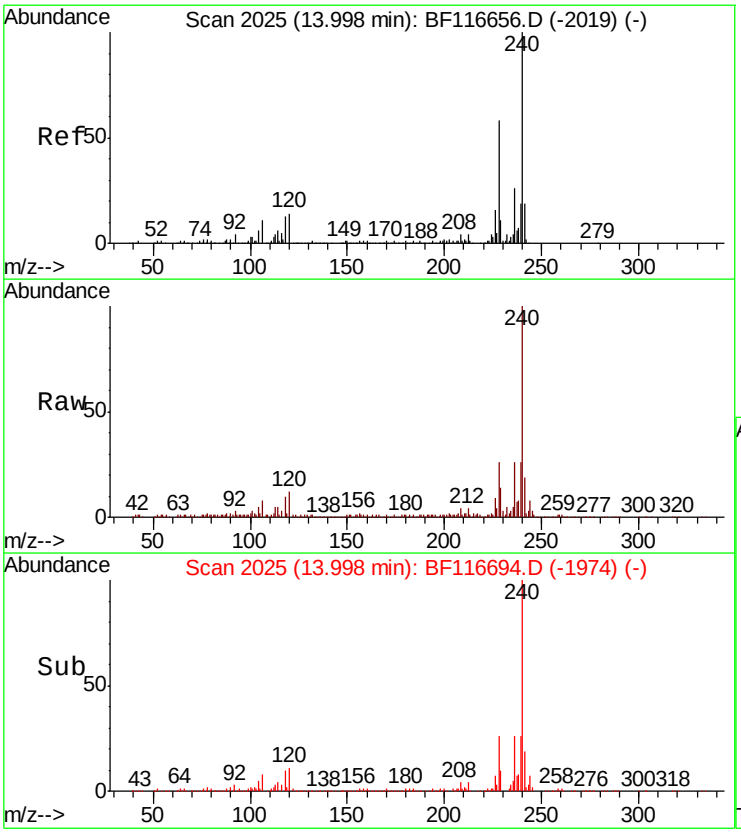
#75
Fluoranthene
Concen: 2.004 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:202 Resp: 41973

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	31.3
203	19.2	0.0	37.6

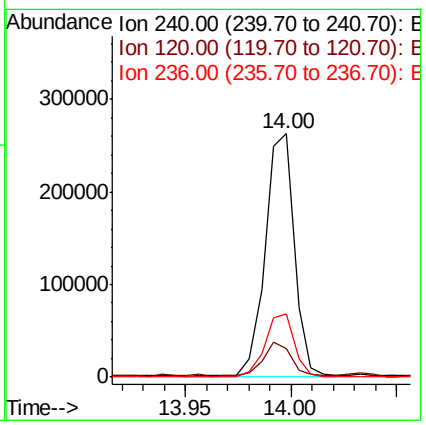


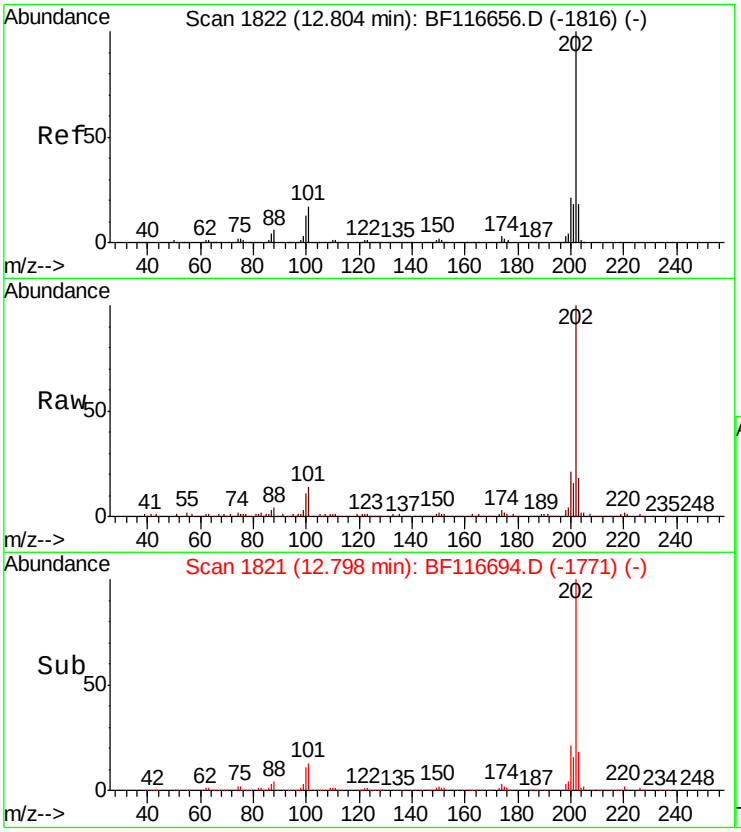


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:240 Resp: 250955

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.1	13.7
236	25.9	21.1	31.7



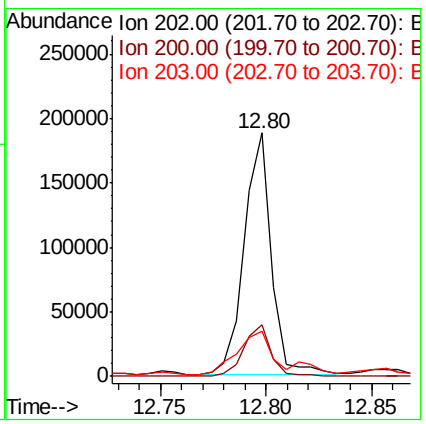


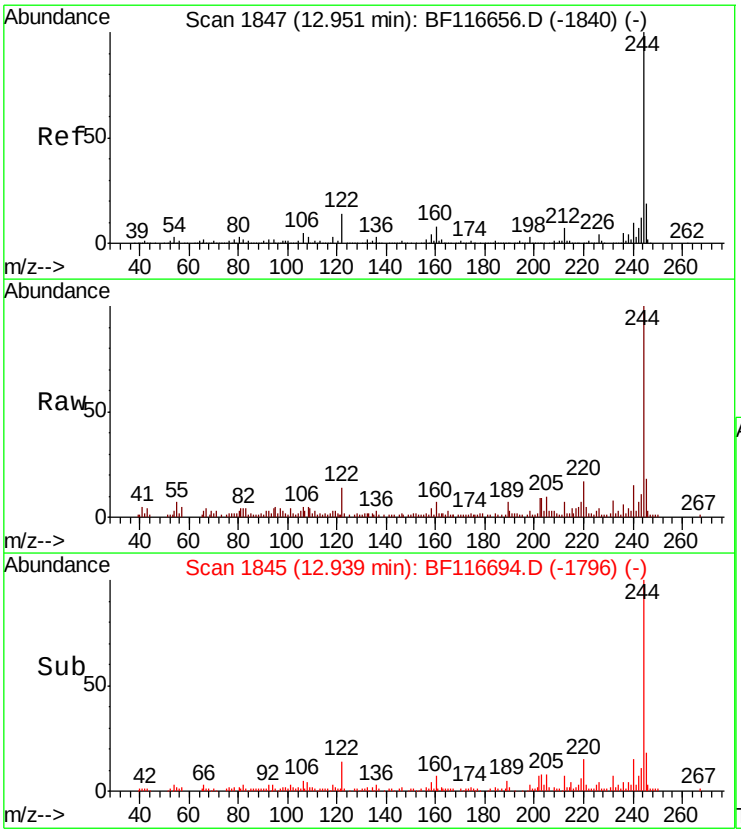
#78
Pyrene
Concen: 7.500 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:202 Resp: 167301

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	18.4	13.7	20.5

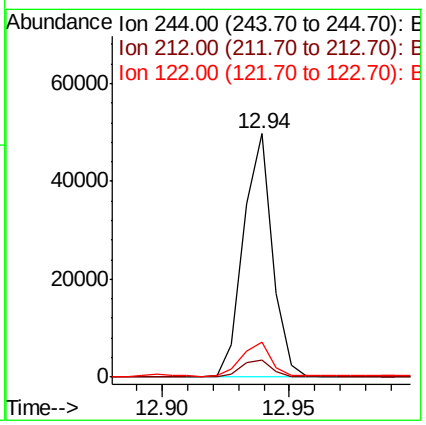


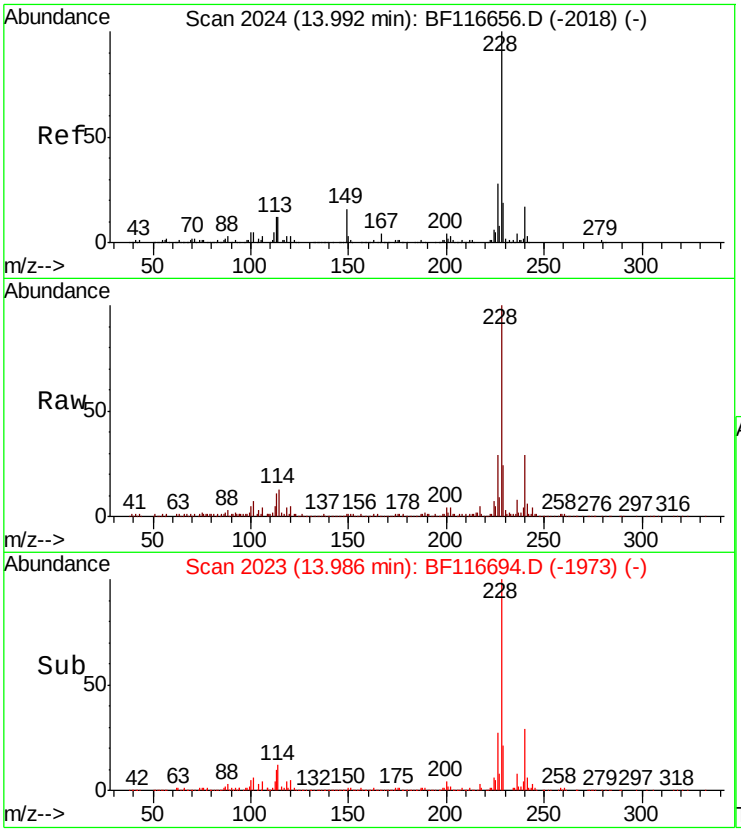


#79
Terphenyl-d14
Concen: 2.919 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:244 Resp: 39603

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	14.5	10.2	15.4



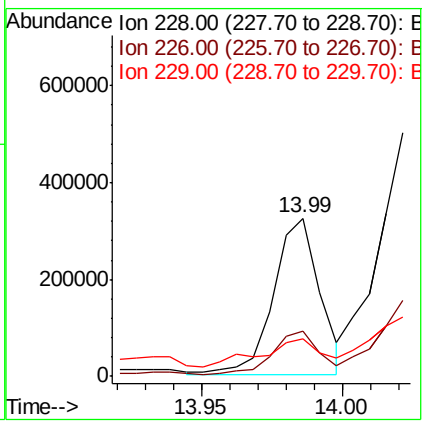


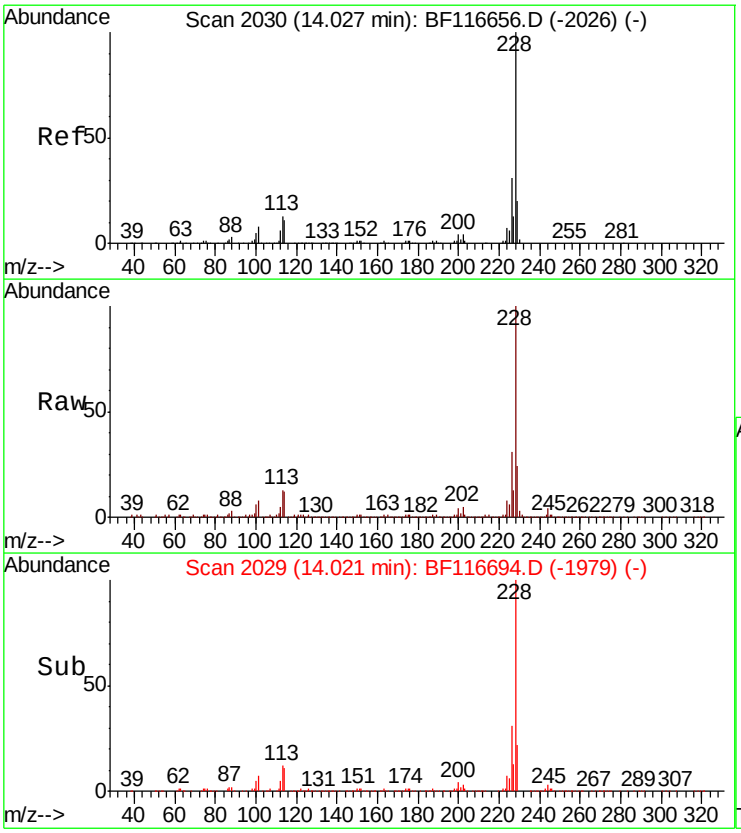
#81
Benzo(a)anthracene
Concen: 22.929 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:228 Resp: 364186

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.0	33.0
229	23.6	16.4	24.6

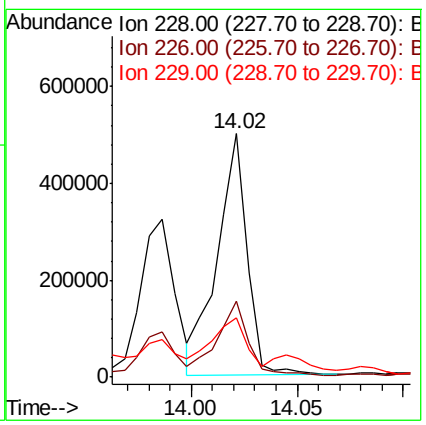


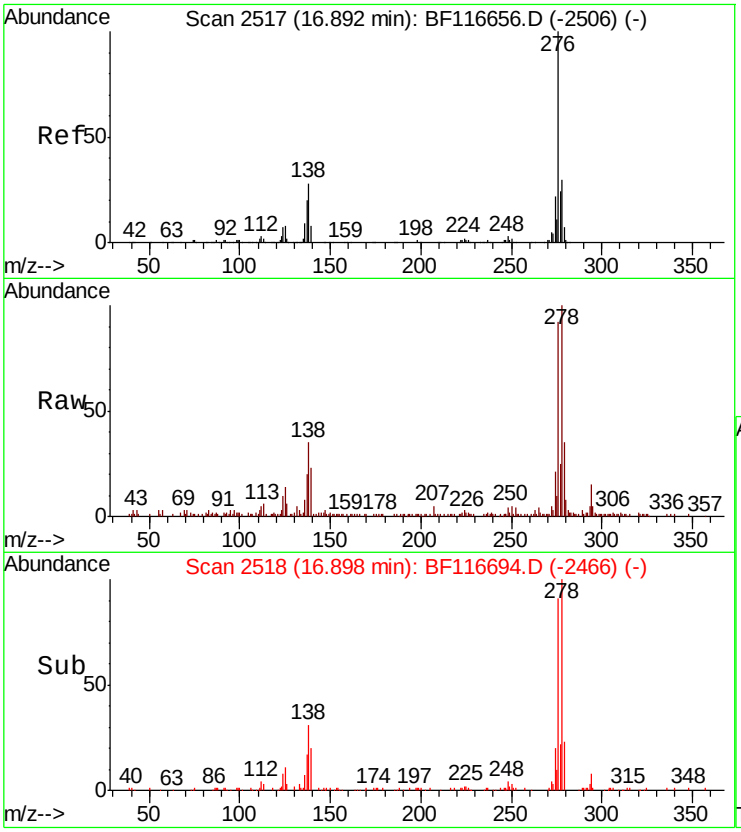


#83
Chrysene
Concen: 29.725 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:228 Resp: 486396

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	24.1	15.4	23.0#



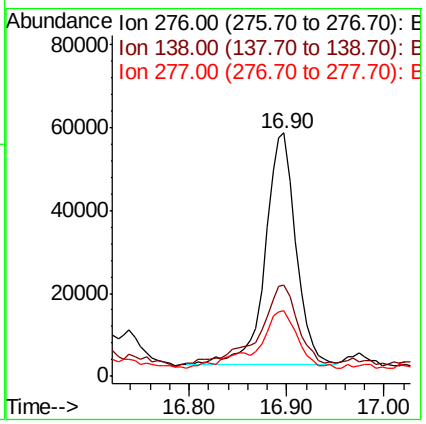


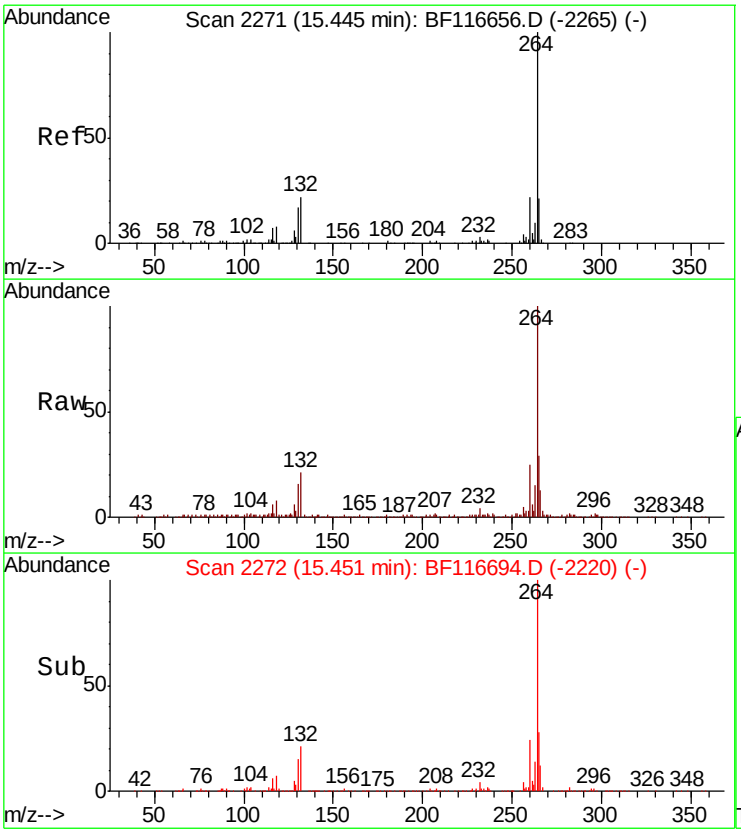
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.402 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:276 Resp: 123571

Ion	Ratio	Lower	Upper
276	100		
138	47.3	19.4	29.2#
277	32.2	20.5	30.7#

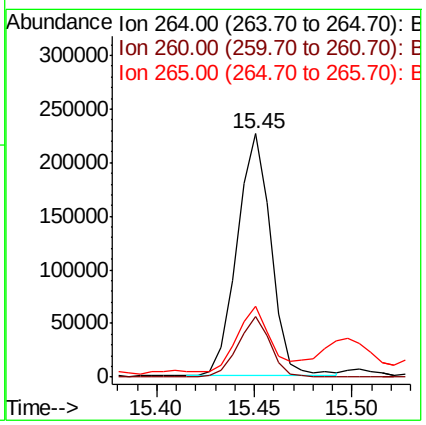


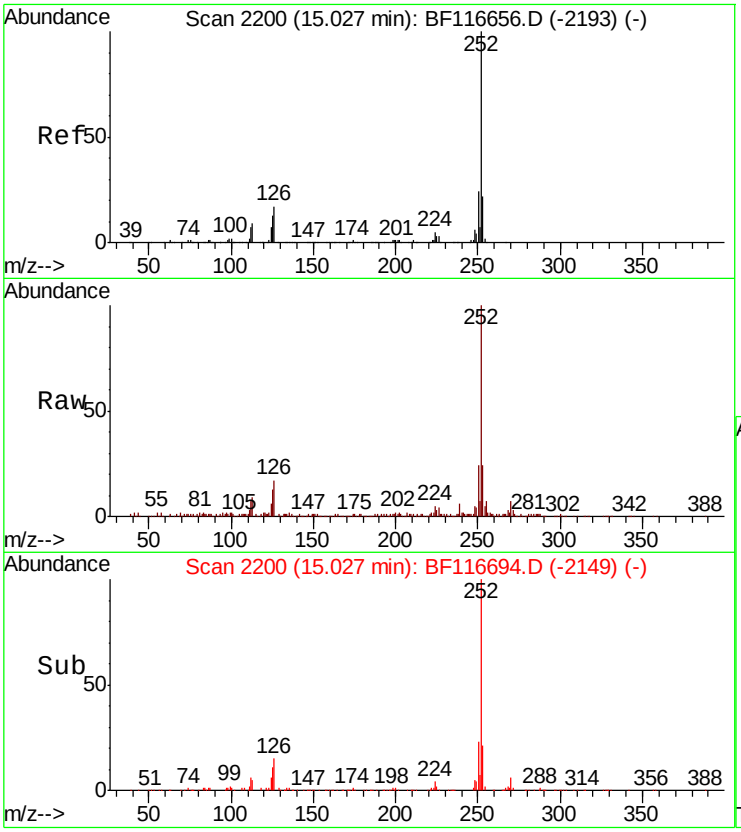


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:264 Resp: 272860

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.3	27.5
265	29.3	16.5	24.7#



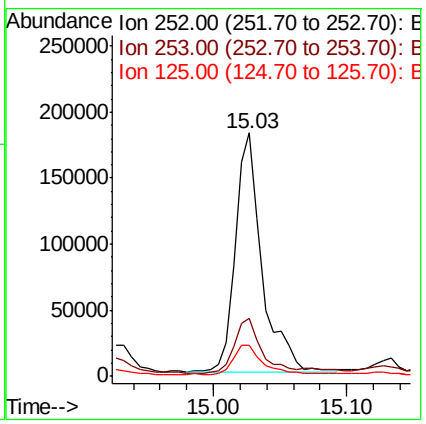


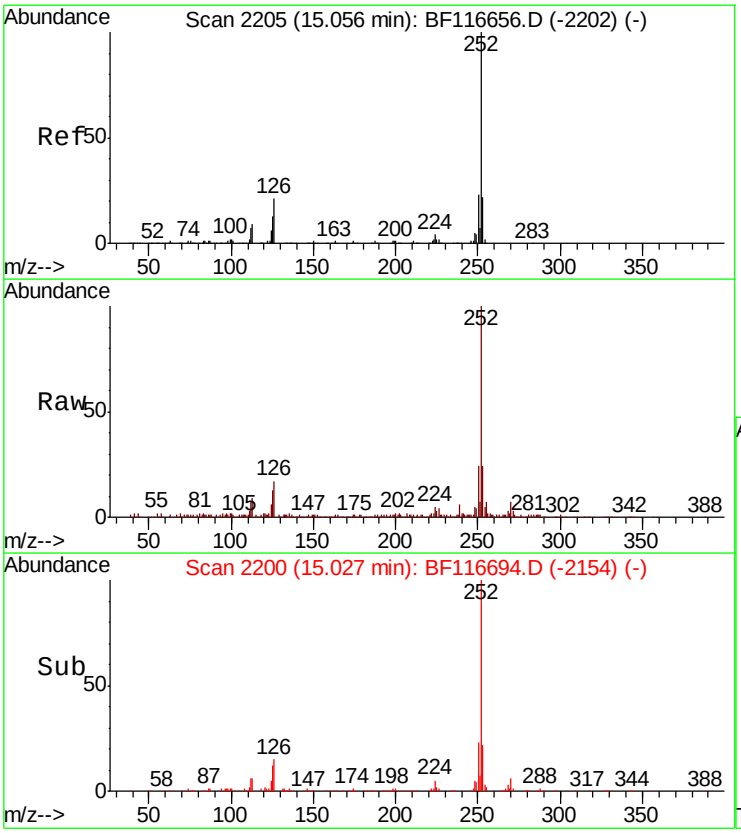
#88
Benzo(b)fluoranthene
Concen: 15.125 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:252 Resp: 249508

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.6	8.2	12.2#

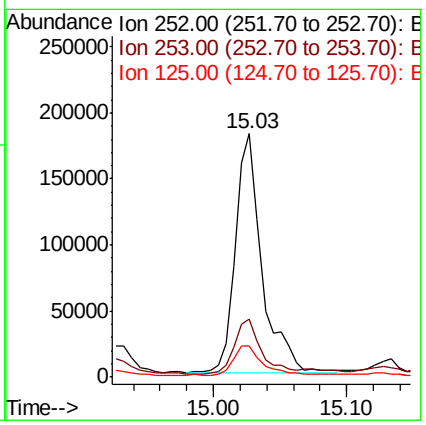


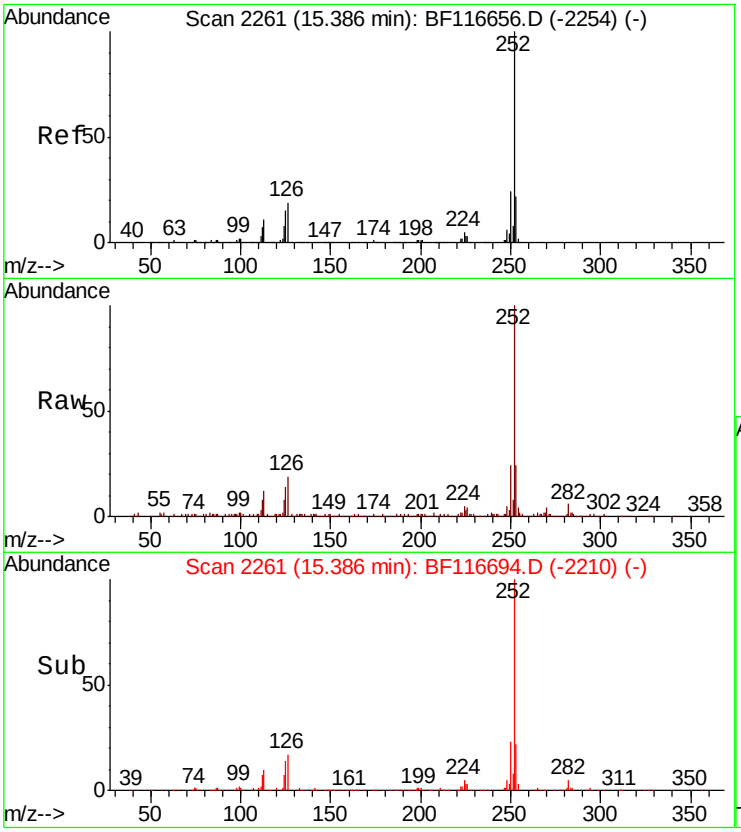


#89
Benzo(k)fluoranthene
Concen: 16.588 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:252 Resp: 249508

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.6	8.6	13.0



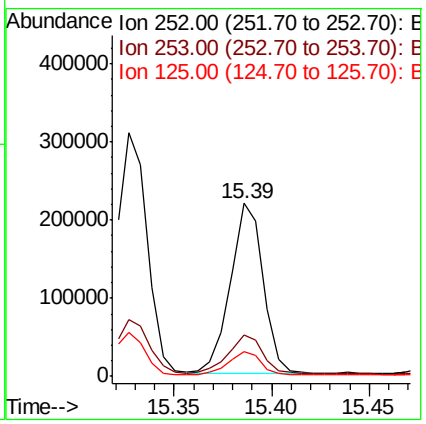


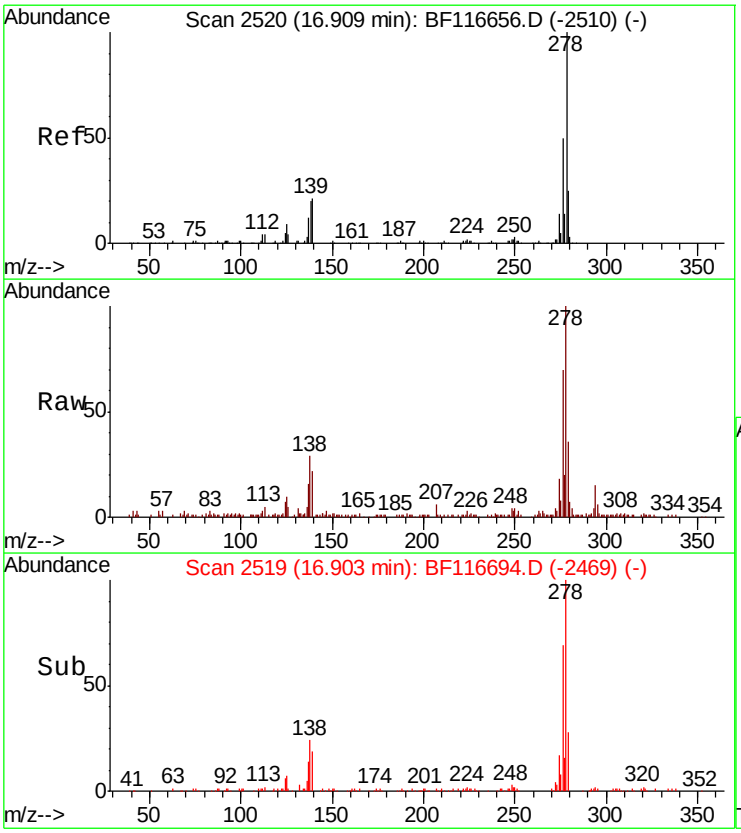
#90
Benzo(a)pyrene
Concen: 17.739 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:252 Resp: 254596

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	14.3	9.8	14.8

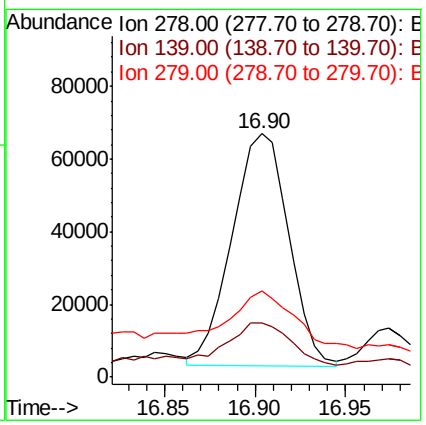


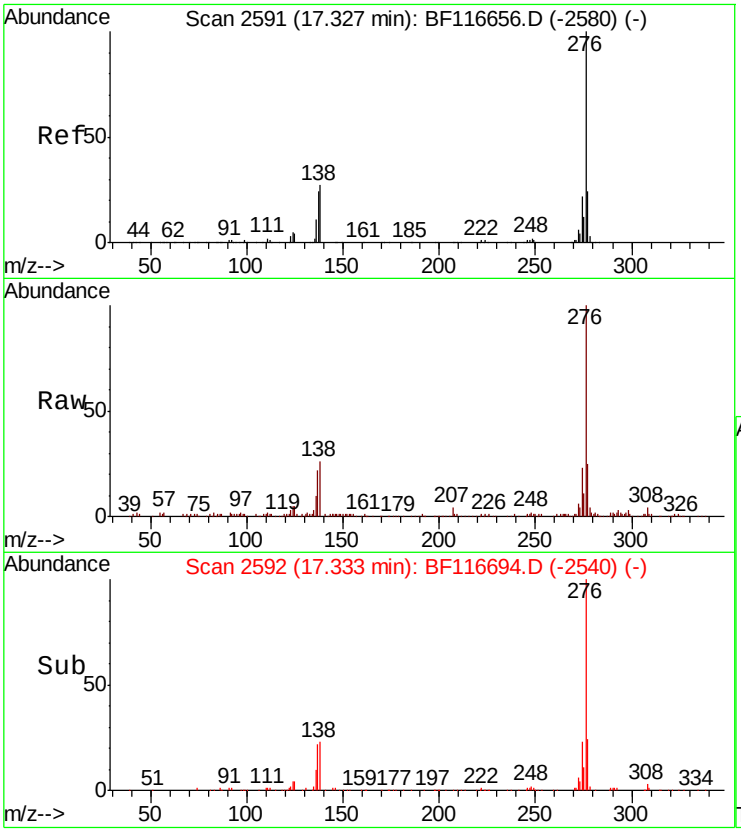


#91
Dibenzo(a,h)anthracene
Concen: 11.083 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:278 Resp: 139230

Ion	Ratio	Lower	Upper
278	100		
139	22.2	12.4	18.6#
279	35.6	18.2	27.4#





#92
Benzo(g,h,i)perylene
Concen: 18.164 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tgt Ion:276 Resp: 232727

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.5	27.7
138	25.9	16.2	24.2#