Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116616.D
Acq On : 28 Aug 2019 15:50
Operator : HP/JU
Sample : K4521-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 29 01:02:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	85029	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	323520	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	160173	20.00	ng		-0.01
64) Phenanthrene-d10	11.37	188	243293	20.00	ng		0.00
76) Chrysene-d12	14.00	240	166405	20.00	ng		0.00
87) Perylene-d12	15.46	264	224622	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	501904	101.95	ng		0.00
7) Phenol-d6	6.49	99	645289	96.69	ng		0.00
23) Nitrobenzene-d5	7.42	82	399146	70.60	ng		0.00
42) 2,4,6-Tribromophenol	10.68	330	109993	72.16	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	682908	70.95	ng		0.00
79) Terphenyl-d14	12.96	244	502430	49.10	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.49	77	1187	Below Cal		#	1
10) Phenol	6.50	94	31182	4.259	ng		98
19) n-Nitroso-di-n-propylamine	7.42	70	53536	12.614	ng	#	77
25) Isophorone	7.42	82	399137	38.779	ng	#	65
50) Dimethylphthalate	9.60	163	55073	5.114	ng		98
51) 2,6-Dinitrotoluene	9.89	165	20625	8.686	ng	#	30
56) 4-Nitrophenol	10.10	139	4464	2.071	ng	#	11
57) 2,4-Dinitrotoluene	9.89	165	20625	6.583	ng	#	27
67) 4-Bromophenyl-phenylether	10.67	248	7235	2.804	ng	#	1
71) Phenanthrene	11.40	178	167849	12.844	ng		99
72) Anthracene	11.45	178	36426	2.788	ng		99
75) Fluoranthene	12.59	202	151755	12.949	ng		98
78) Pyrene	12.81	202	127454	8.329	ng		99
81) Benzo(a)anthracene	14.00	228	71826	6.474	ng		97
83) Chrysene	14.03	228	63448	5.842	ng		98
86) Indeno(1,2,3-cd)pyrene	16.90	276	38314	8.092	ng		99
88) Benzo(b)fluoranthene	15.04	252	112036	8.122	ng	#	89
89) Benzo(k)fluoranthene	15.04	252	112036	8.545	ng	#	88
90) Benzo(a)pyrene	15.40	252	64035	5.201	ng	#	88
92) Benzo(g,h,i)perylene	17.34	276	34830	2.916	ng		95

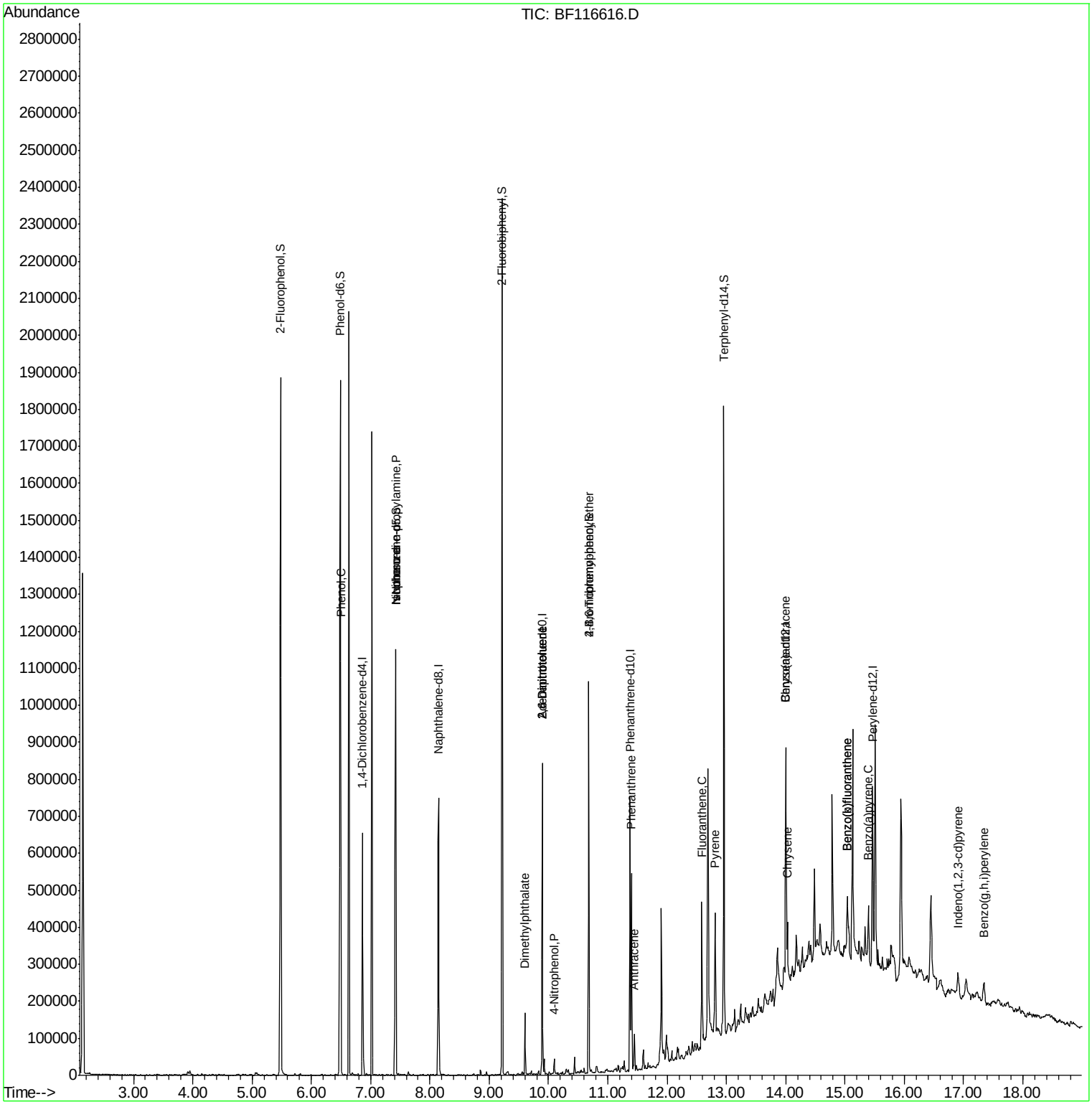
(#) = qualifier out of range (m) = manual integration (+) = signals summed

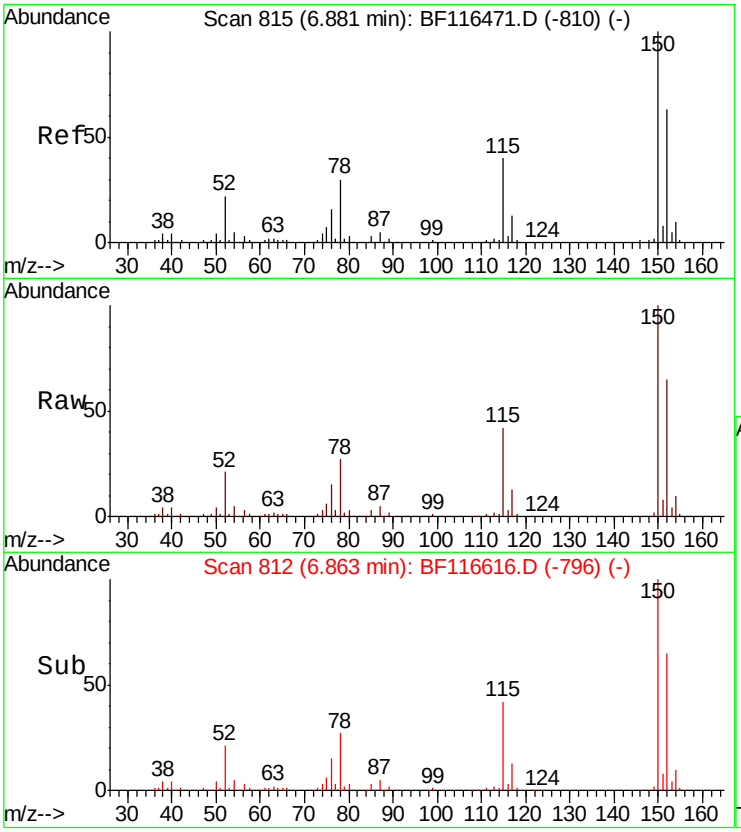
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116616.D
Acq On : 28 Aug 2019 15:50
Operator : HP/JU
Sample : K4521-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 29 01:02:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration



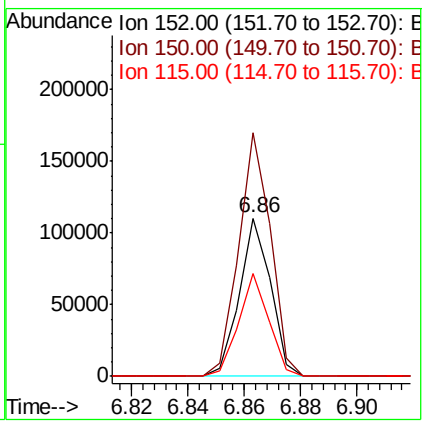


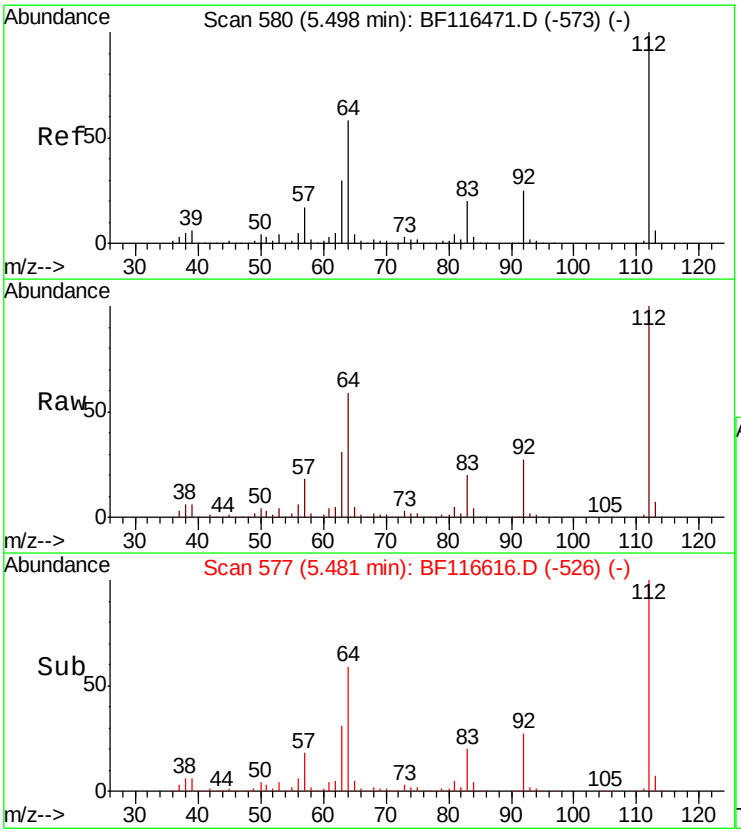
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 85029

Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.4	185.2
115	64.8	48.2	72.2

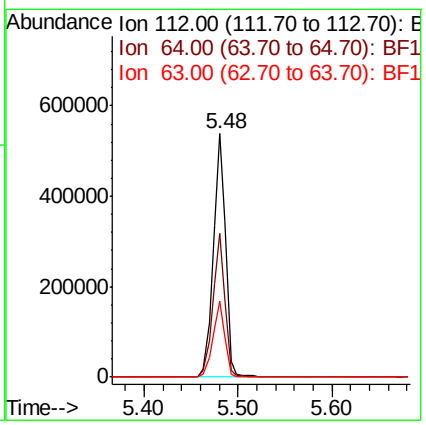


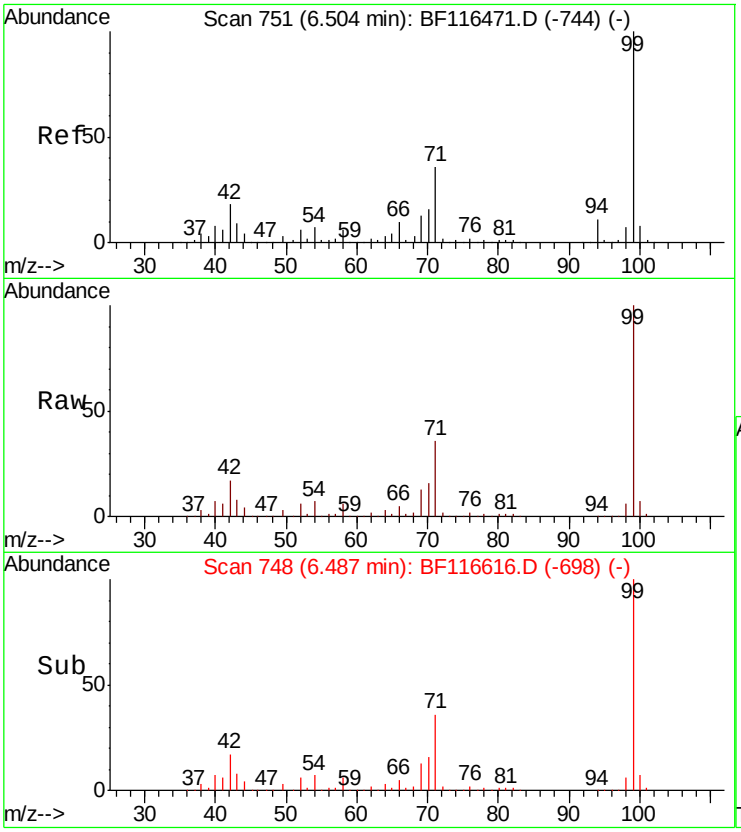


#5
2-Fluorophenol
Concen: 101.954 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:112 Resp: 501904

Ion	Ratio	Lower	Upper
112	100		
64	59.1	48.0	72.0
63	31.2	24.6	36.8



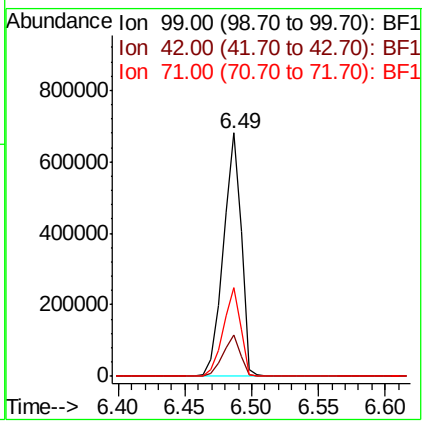


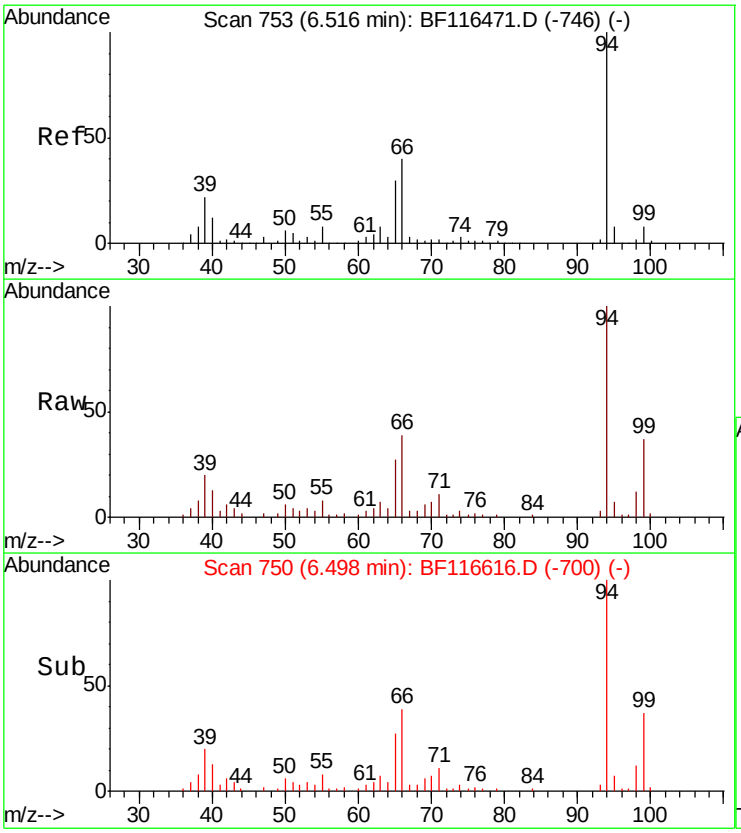
#7
Phenol-d6
Concen: 96.685 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 645289

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.2	19.8
71	36.2	27.4	41.2

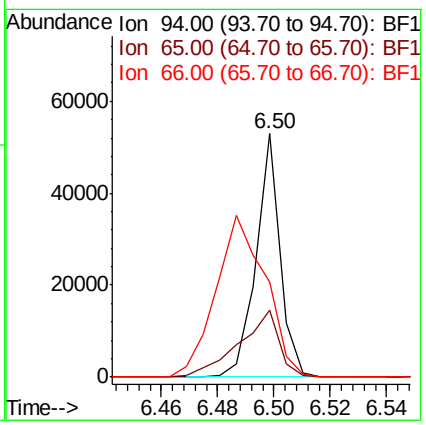


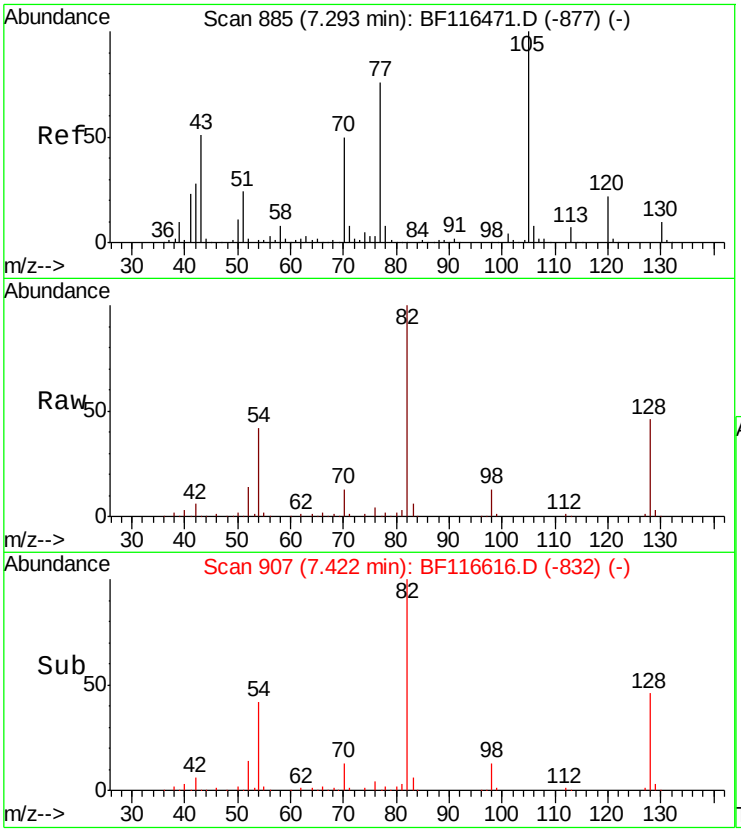


#10
Phenol
Concen: 4.259 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion: 94 Resp: 31182

Ion	Ratio	Lower	Upper
94	100		
65	27.5	8.6	48.6
66	39.0	18.0	58.0



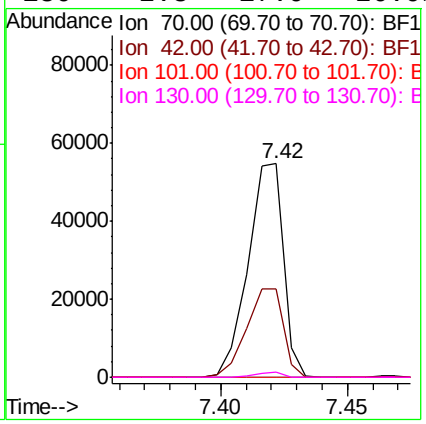


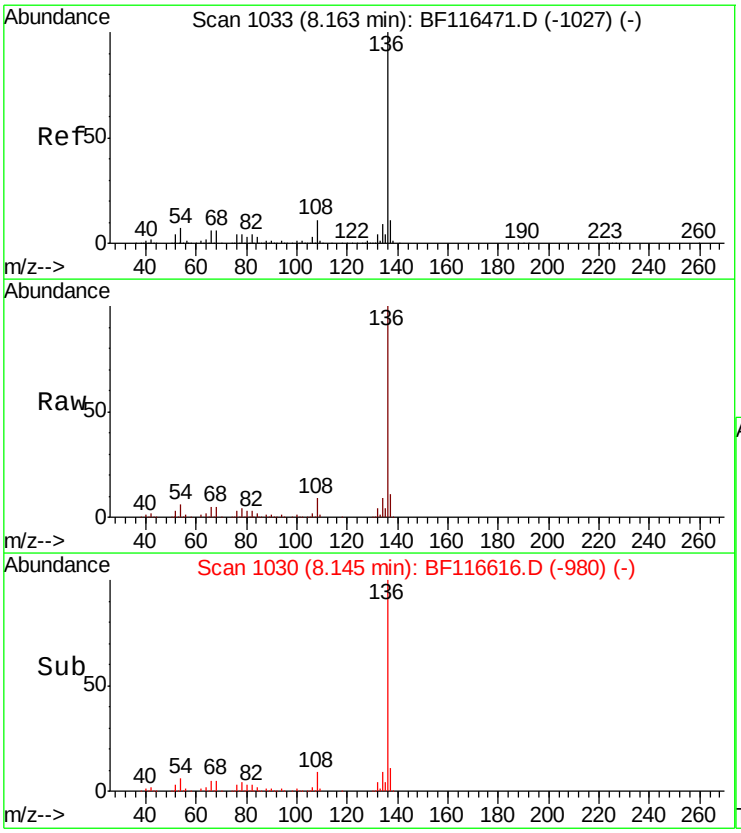
#19
n-Nitroso-di-n-propylamine
Concen: 12.614 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 53536

Ion	Ratio	Lower	Upper
70	100		
42	41.3	41.2	61.8
101	0.0	7.7	11.5#
130	2.3	17.9	26.9#

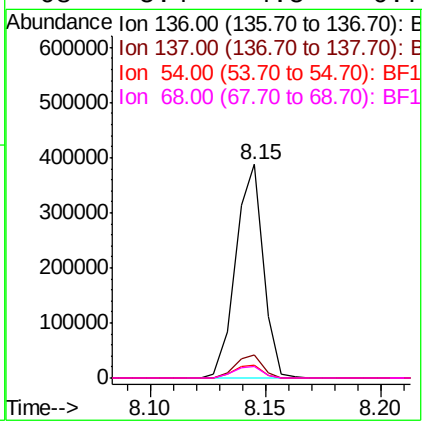


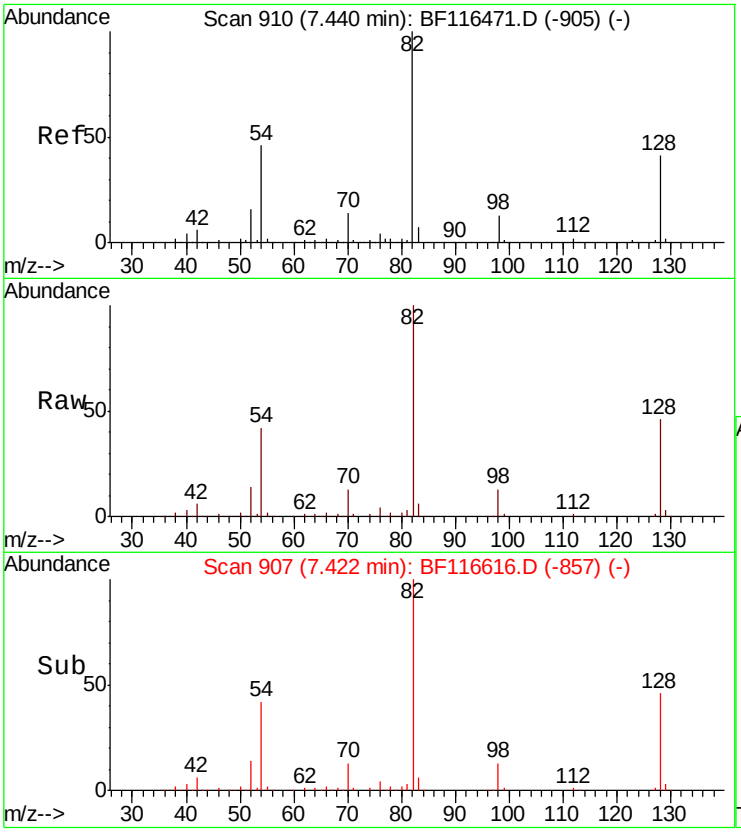


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:136 Resp: 323520

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	5.9	5.0	7.4
68	5.4	4.5	6.7



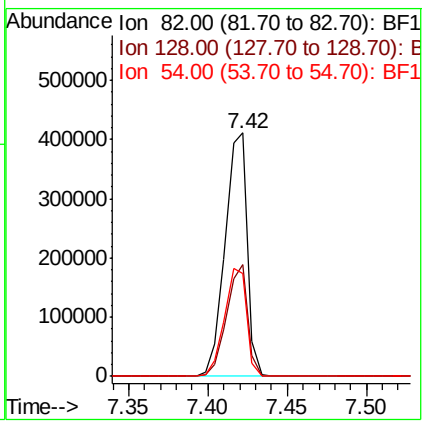


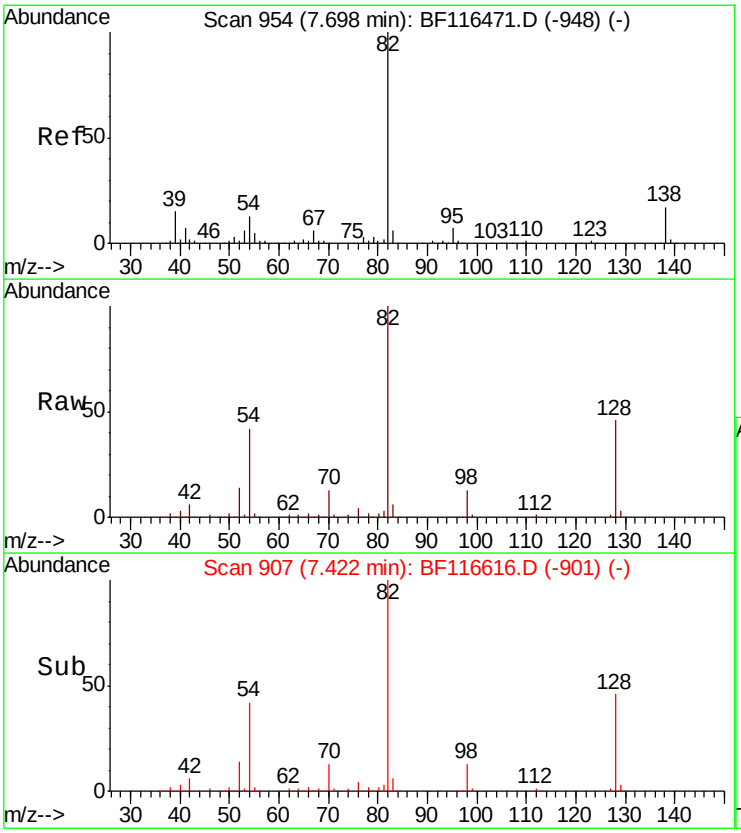
#23
Nitrobenzene-d5
Concen: 70.596 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 399146

Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.0	52.6
54	42.0	34.4	51.6

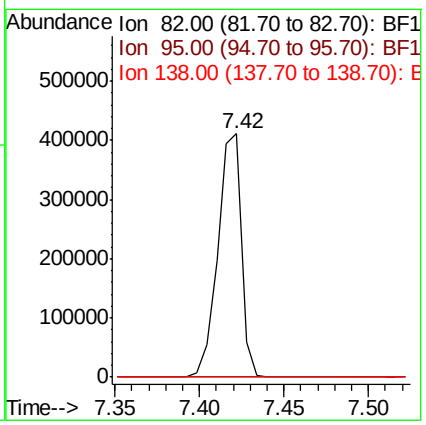


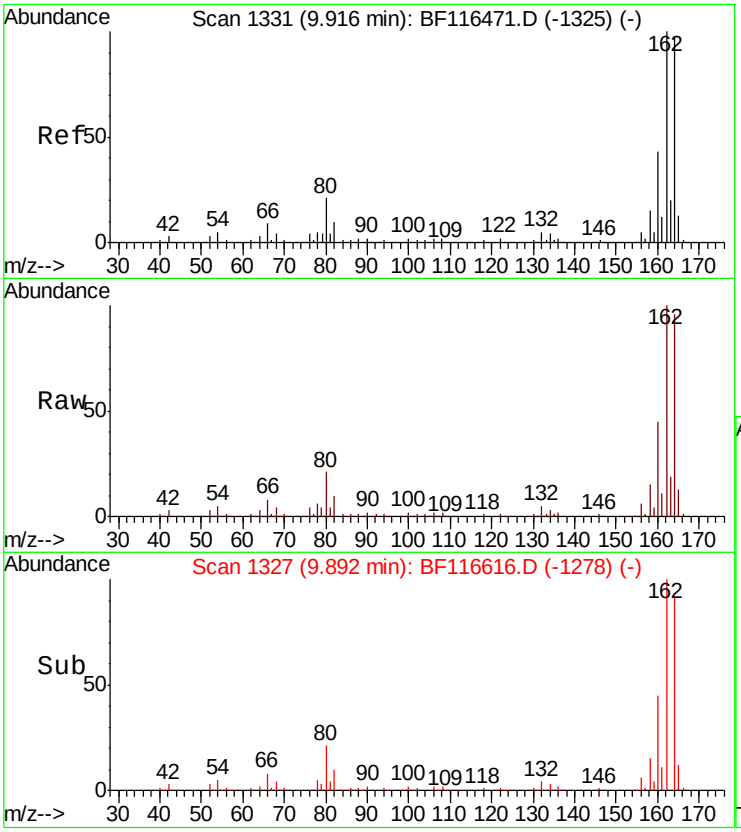


#25
Isophorone
Concen: 38.779 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion: 82 Resp: 399137

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.4	21.6#



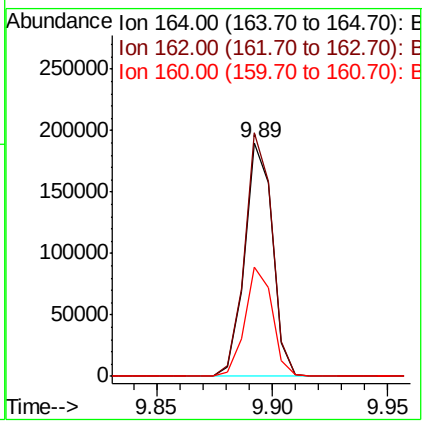


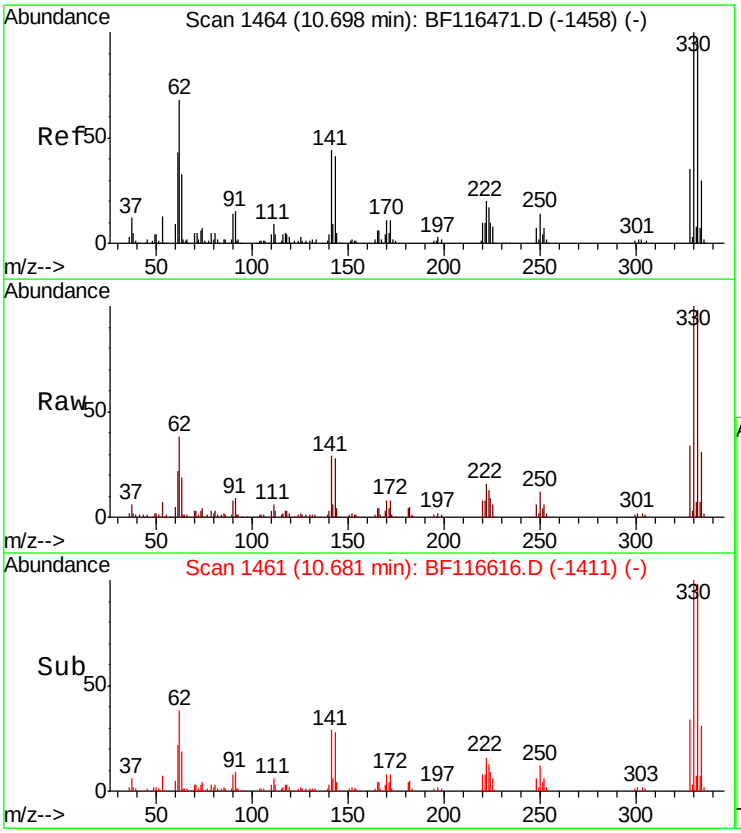
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 160173

Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.4	125.0
160	46.7	37.0	55.4

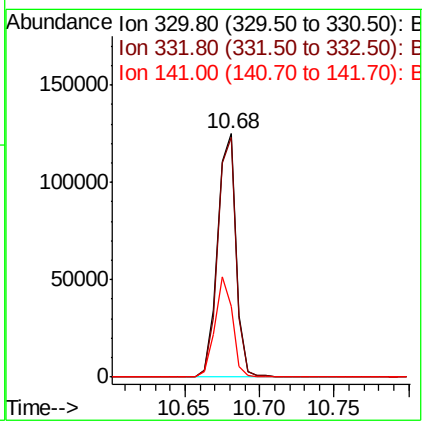


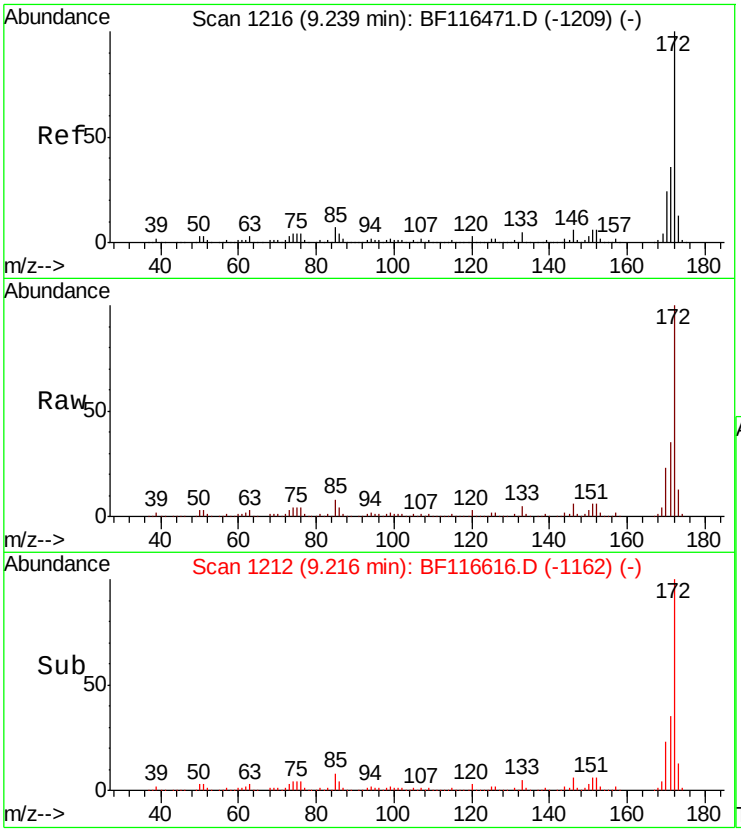


#42
2,4,6-Tribromophenol
Concen: 72.163 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:330 Resp: 109993

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.5	116.3
141	38.5	28.2	42.2



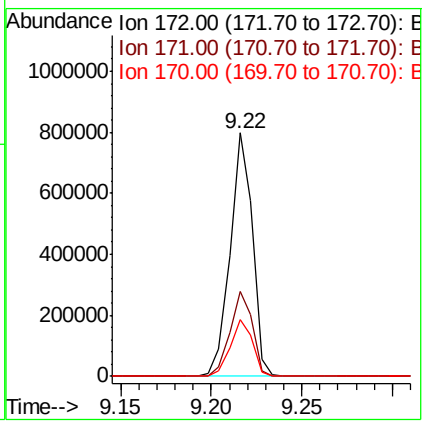


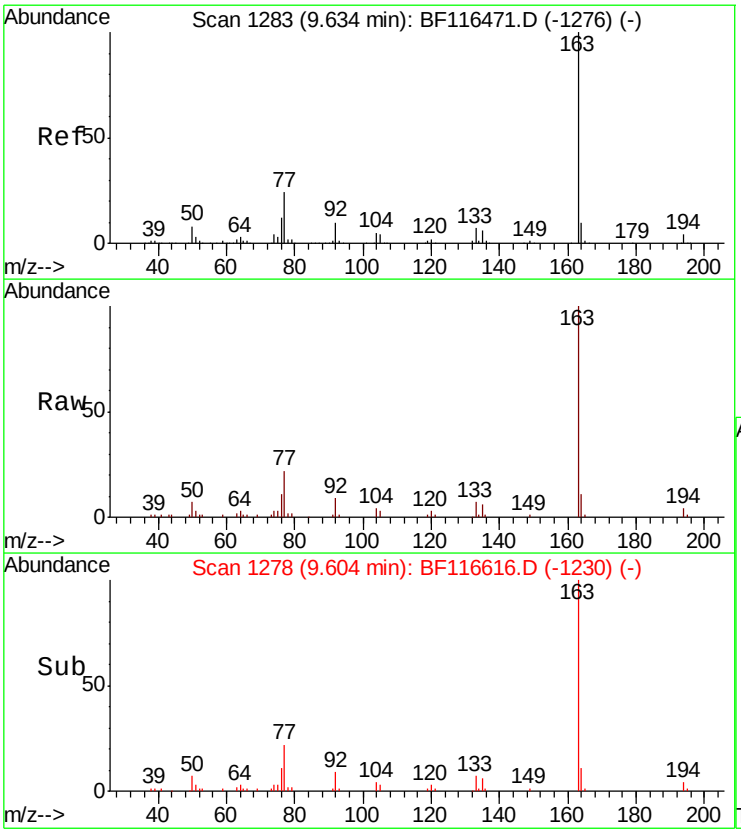
#45
2-Fluorobiphenyl
Concen: 70.954 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 682908

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.4	19.3	28.9

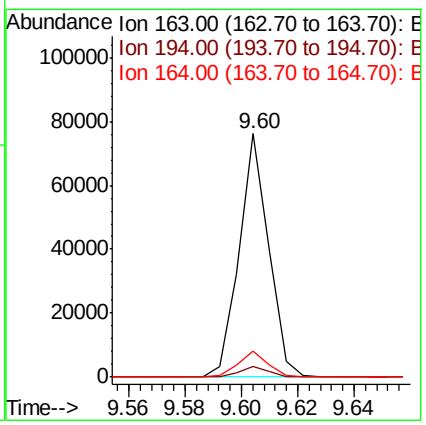


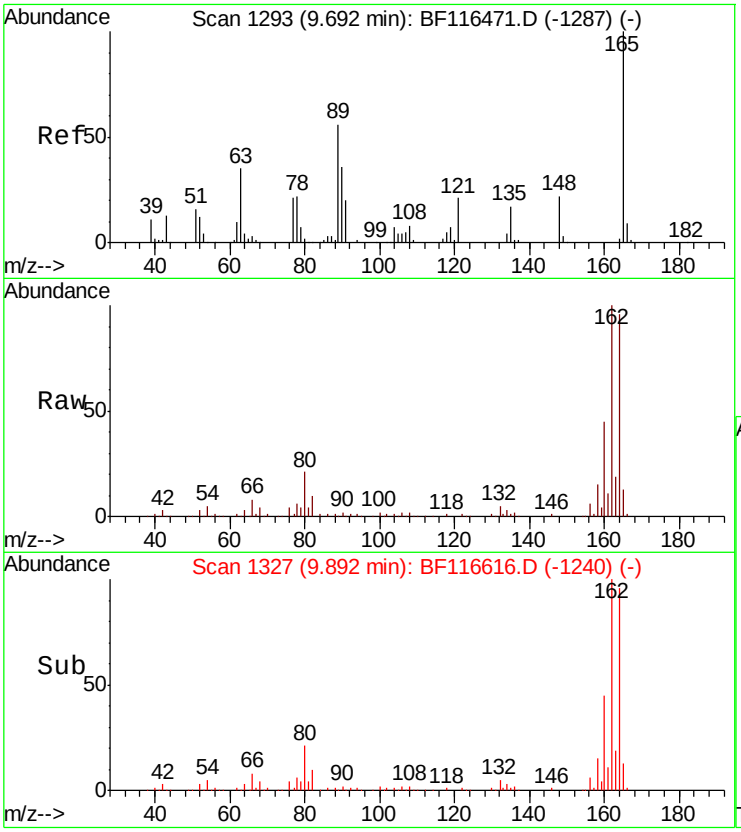


#50
Dimethylphthalate
Concen: 5.114 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:163 Resp: 55073

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.9	8.2	12.2



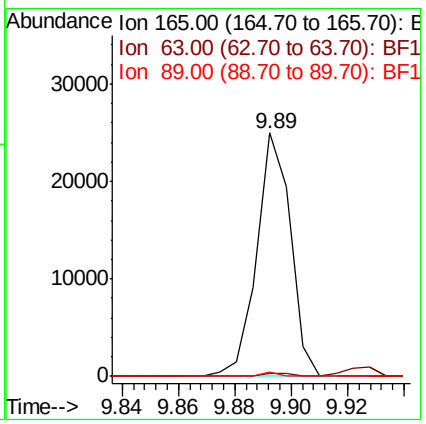


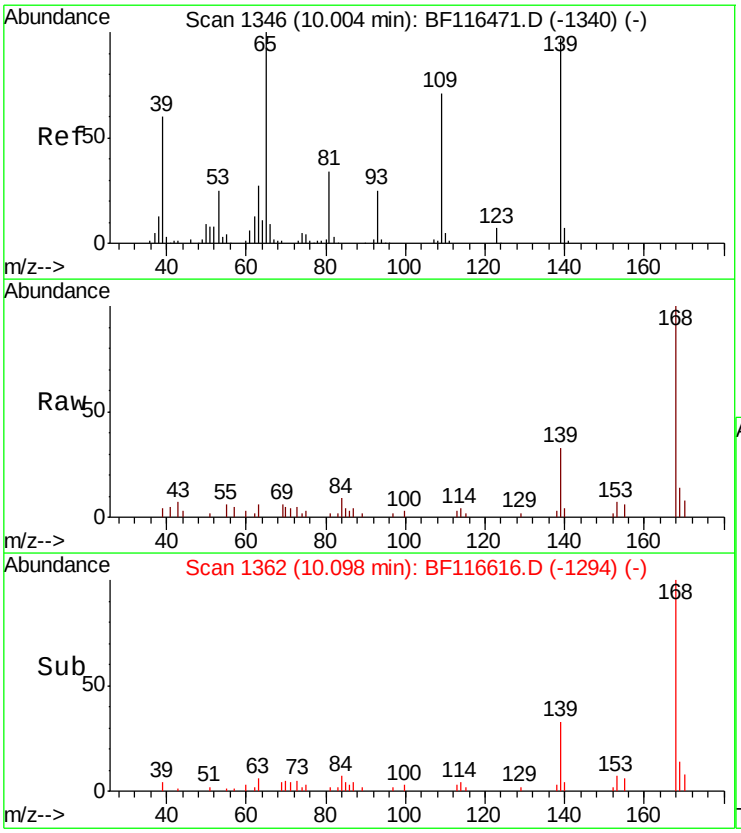
#51
2,6-Dinitrotoluene
Concen: 8.686 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20625

Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.2	55.8#
89	1.6	40.8	61.2#

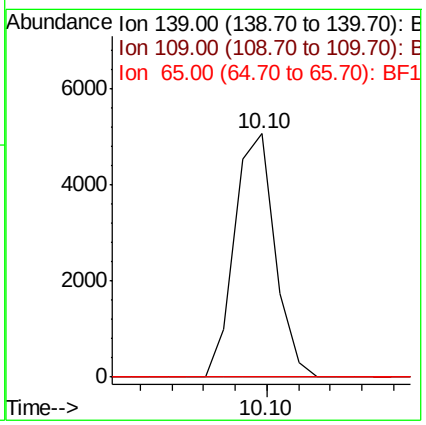


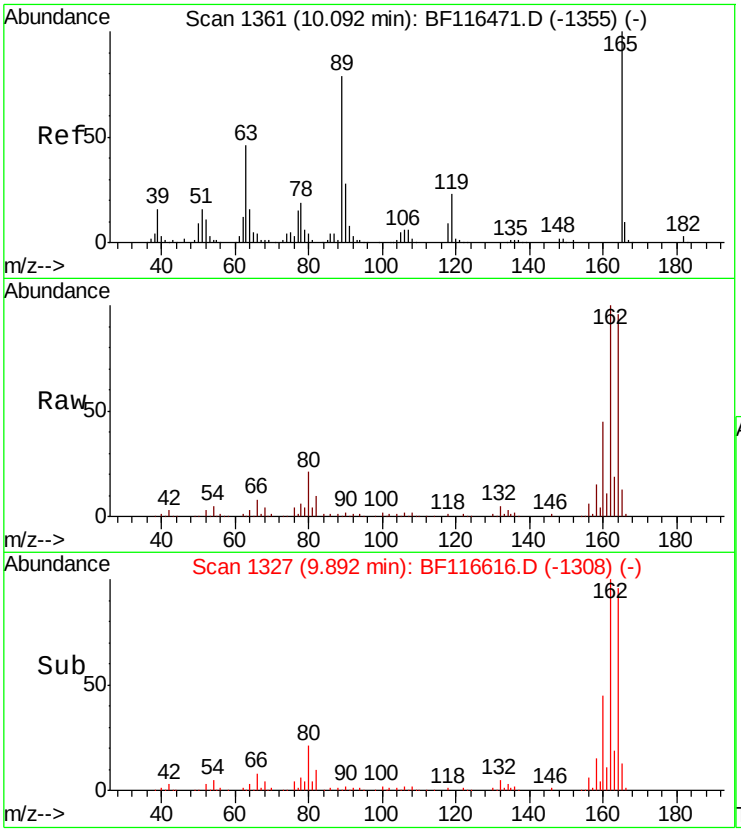


#56
4-Nitrophenol
Concen: 2.071 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:139 Resp: 4464

Ion	Ratio	Lower	Upper
139	100		
109	0.0	45.5	85.5#
65	0.0	66.8	106.8#



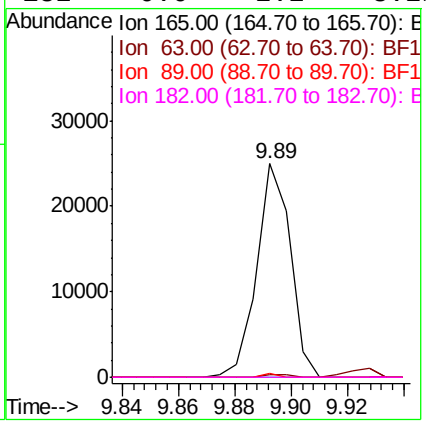


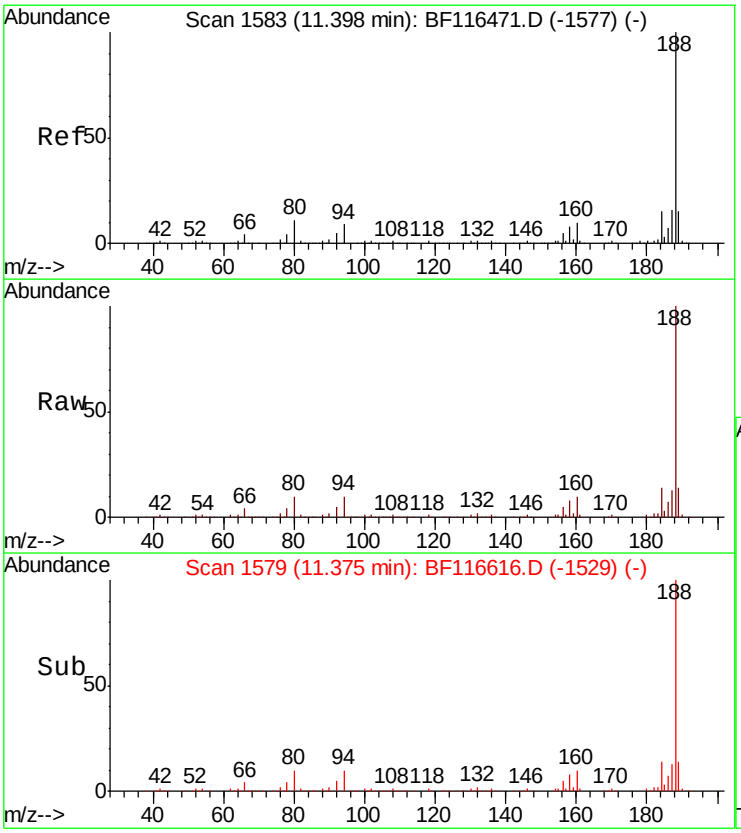
#57
2,4-Dinitrotoluene
Concen: 6.583 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20625

Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.9	46.3#
89	1.6	55.0	82.6#
182	0.0	2.2	3.2#

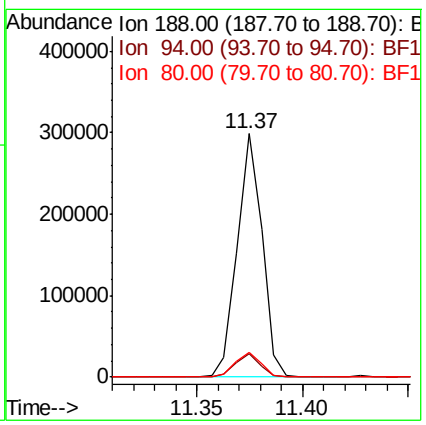


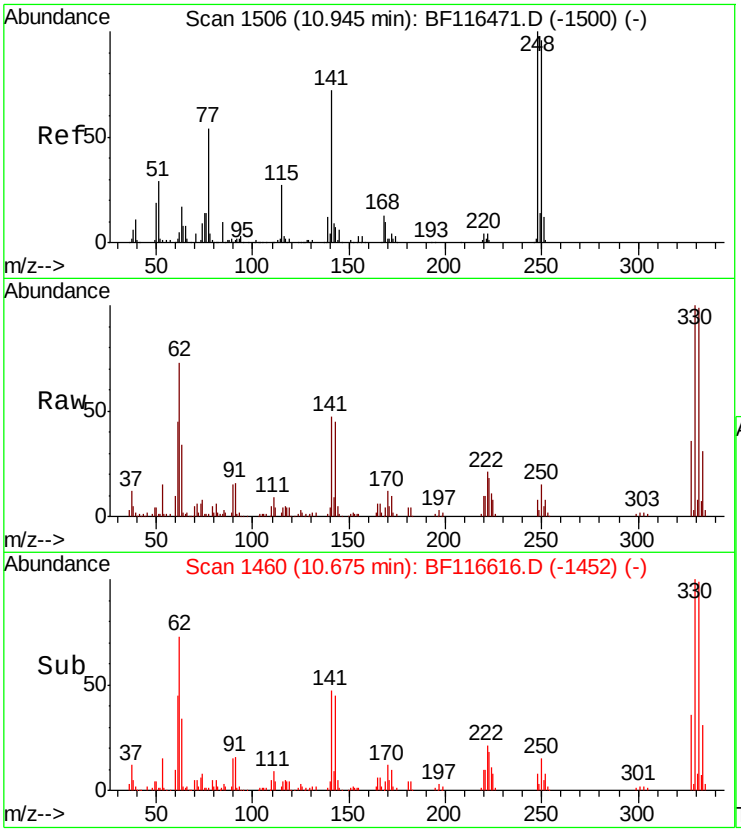


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:188 Resp: 243293

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.4
80	10.4	8.9	13.3



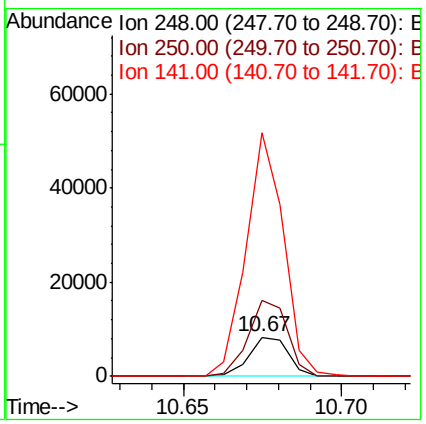


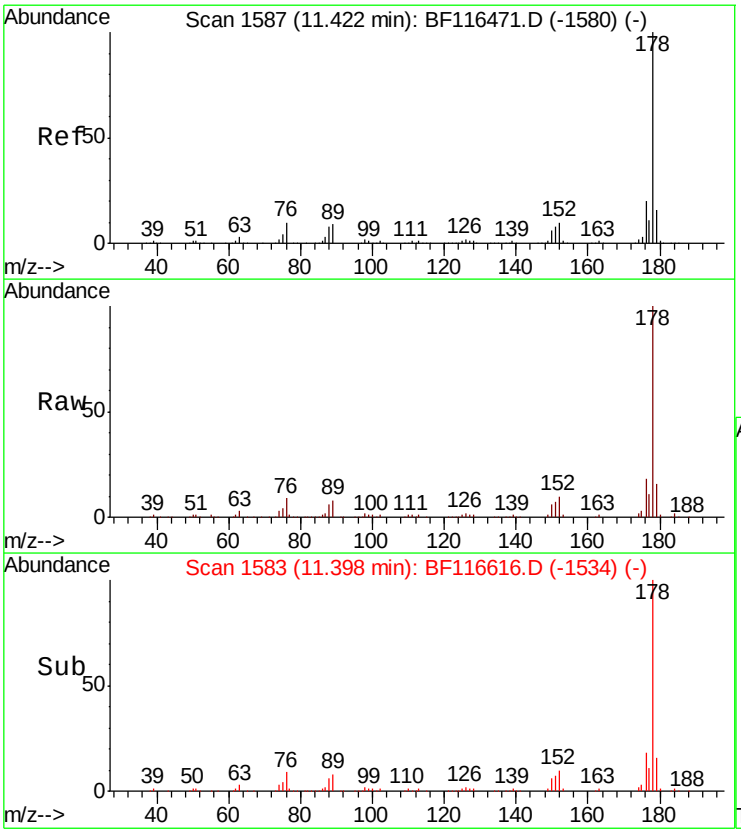
#67
4-Bromophenyl-phenylether
Concen: 2.804 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.25 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 7235

Ion	Ratio	Lower	Upper
248	100		
250	193.8	76.6	115.0#
141	621.9	60.8	91.2#

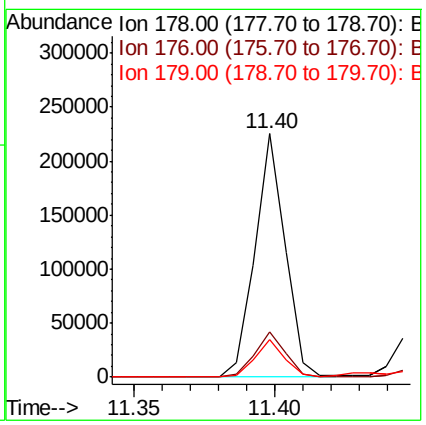


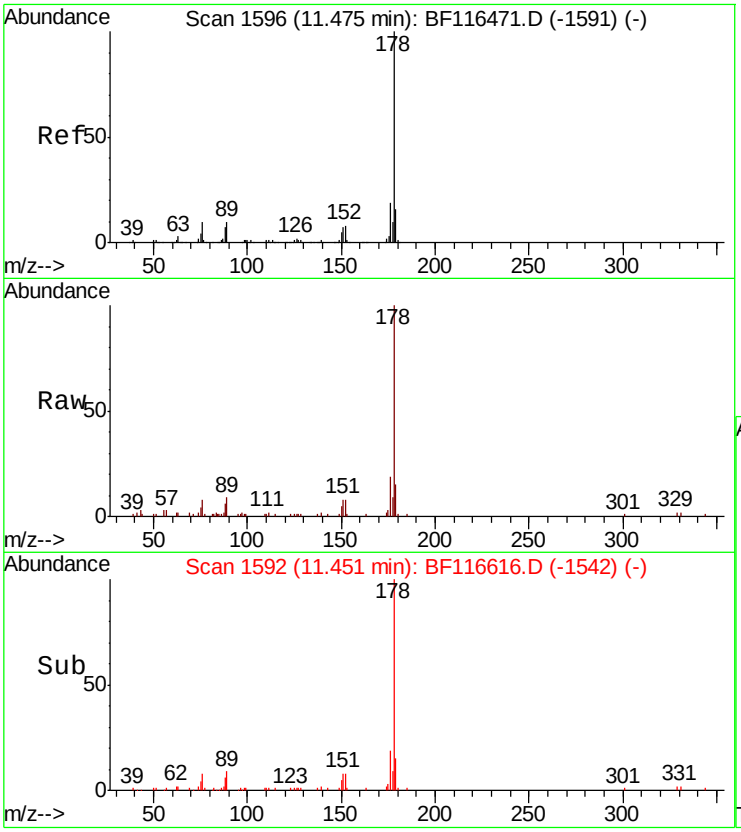


#71
Phenanthrene
Concen: 12.844 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:178 Resp: 167849

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.6	12.4	18.6



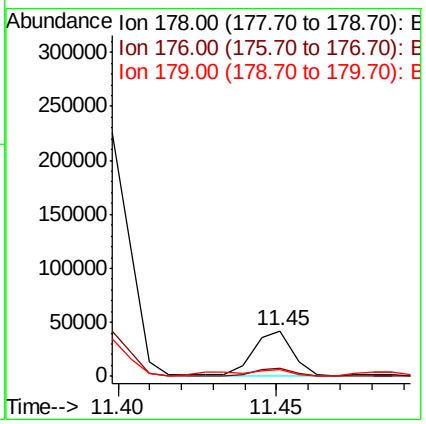


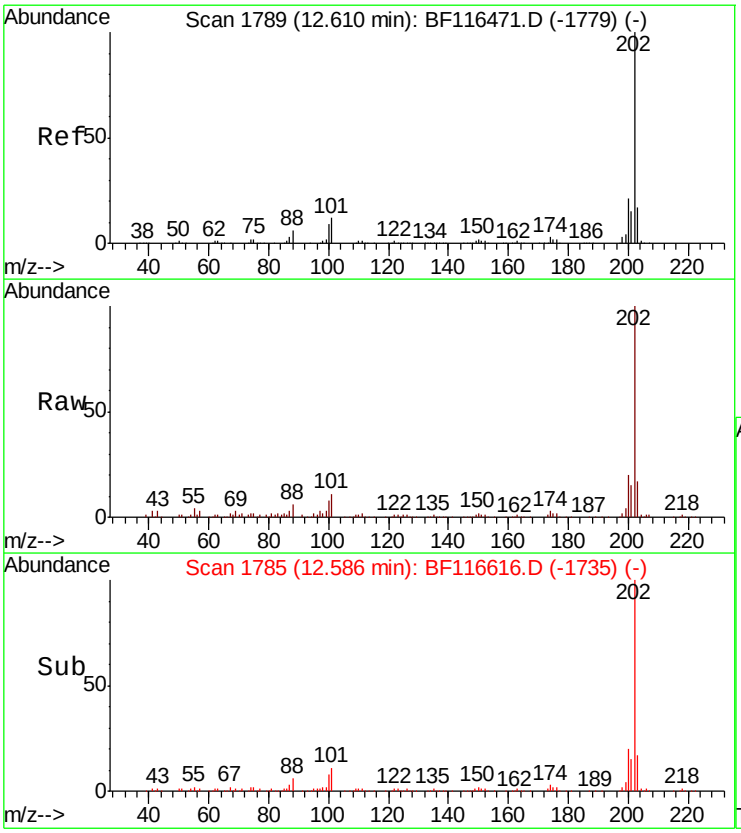
#72
Anthracene
Concen: 2.788 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 36426

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	14.9	12.7	19.1

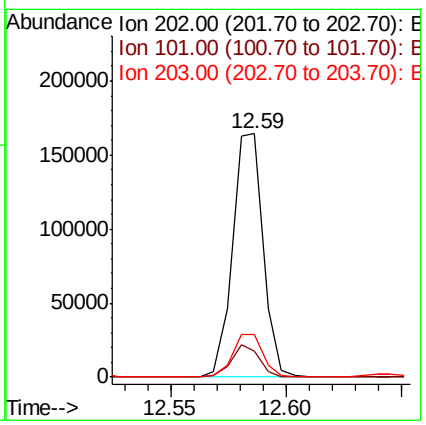


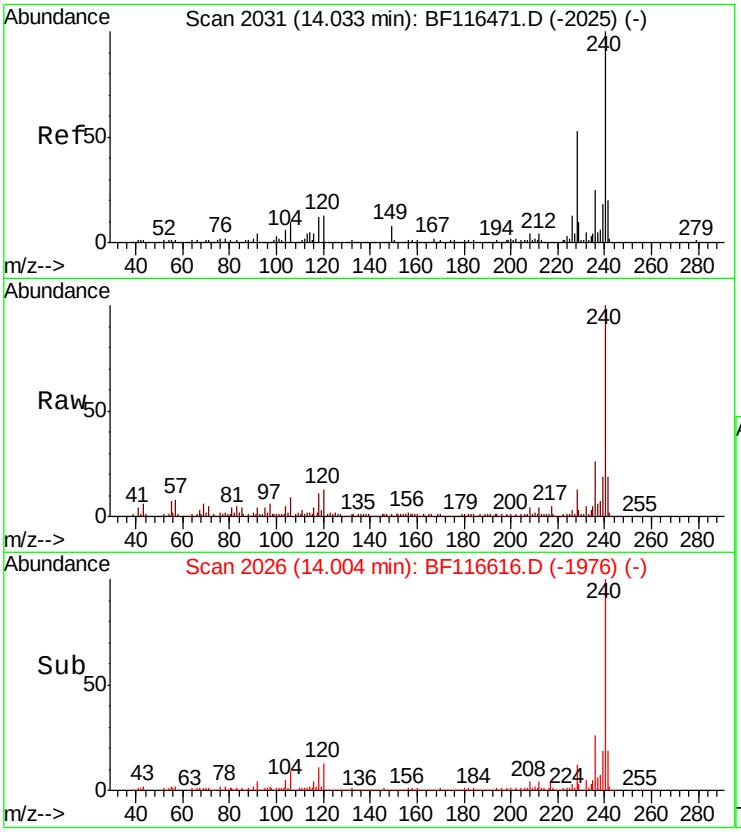


#75
Fluoranthene
Concen: 12.949 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:202 Resp: 151755

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.8
203	17.4	0.0	37.1



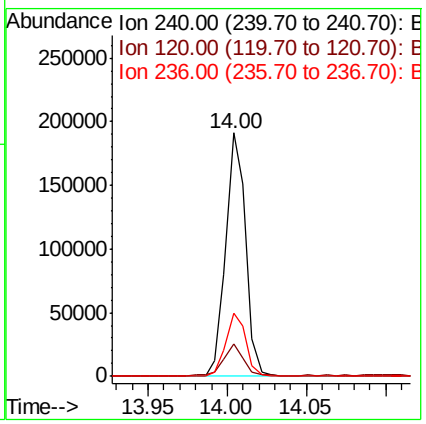


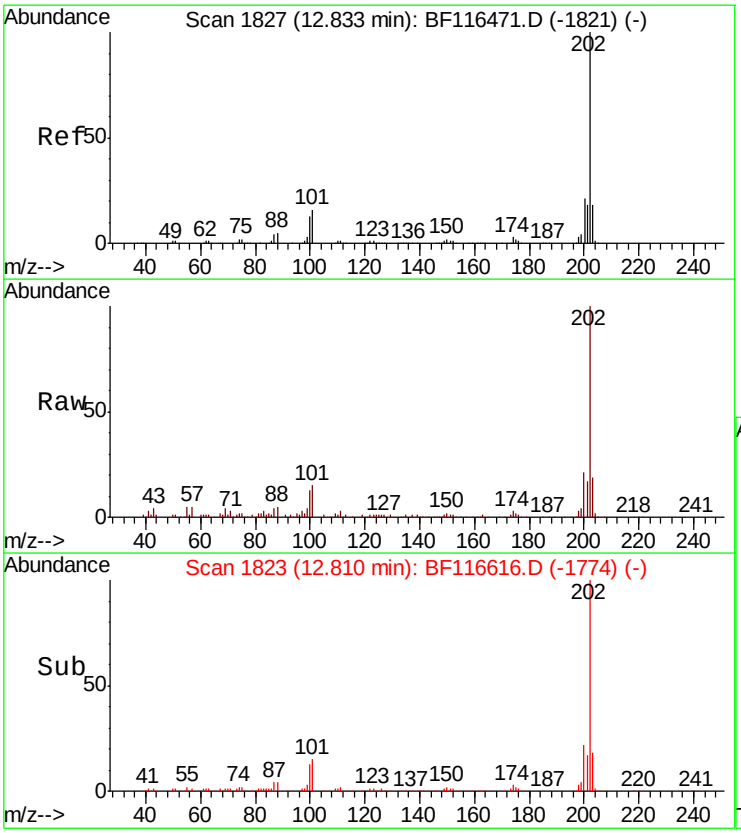
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 166405

Ion	Ratio	Lower	Upper
240	100		
120	13.3	11.3	16.9
236	25.9	21.4	32.2

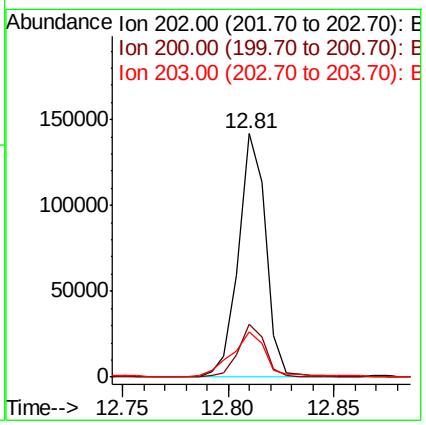


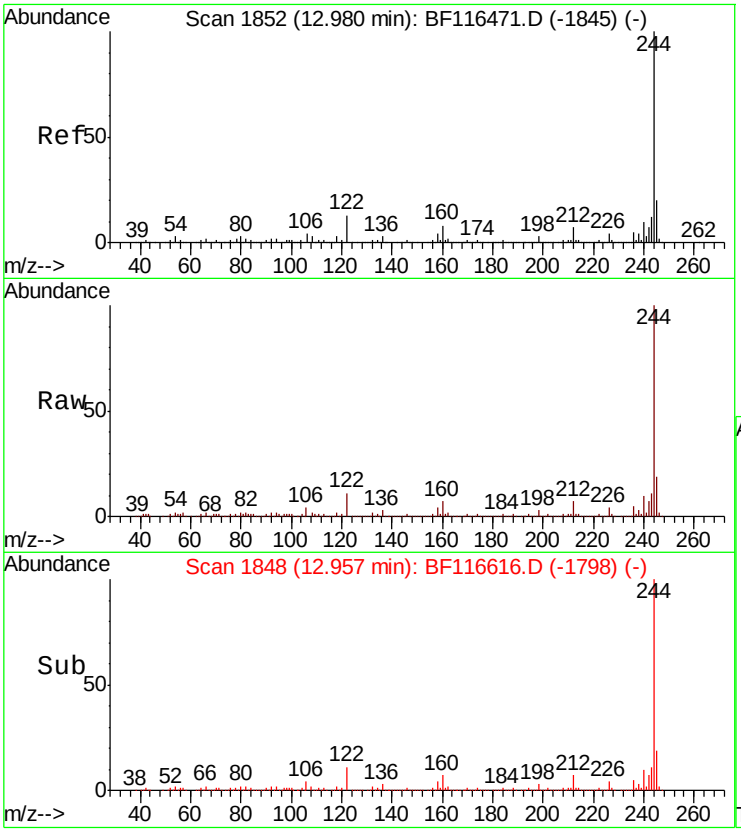


#78
Pyrene
Concen: 8.329 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:202 Resp: 127454

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	18.6	14.2	21.4



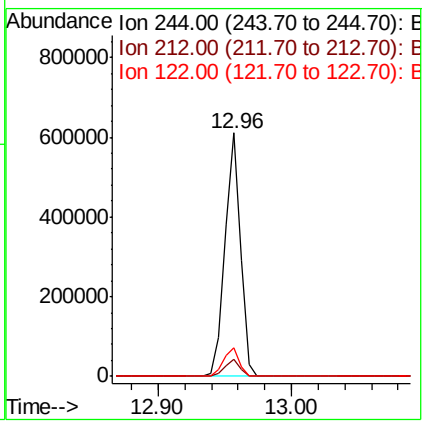


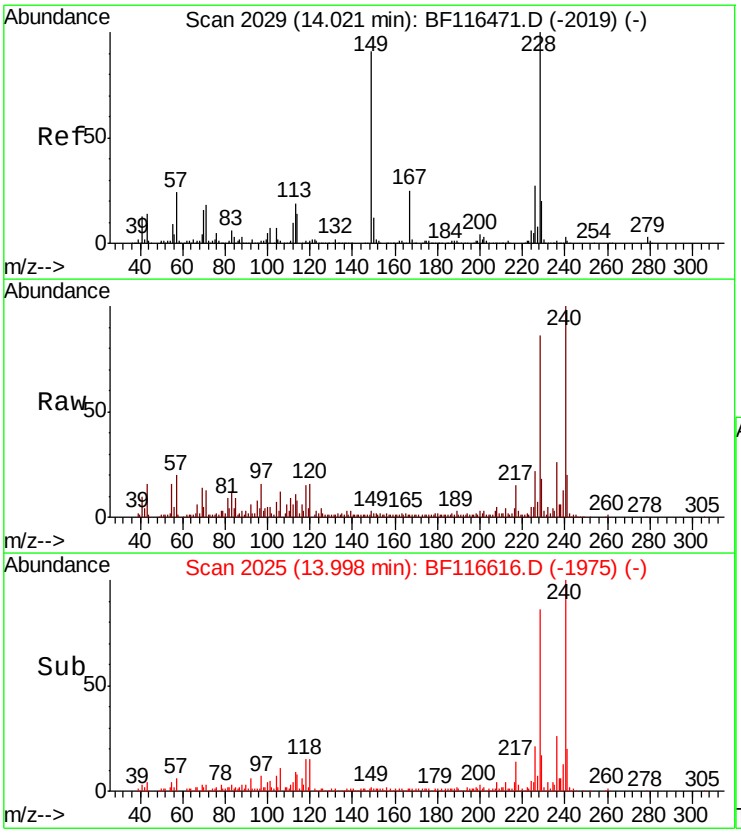
#79
Terphenyl-d14
Concen: 49.105 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 502430

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.5	10.0	15.0

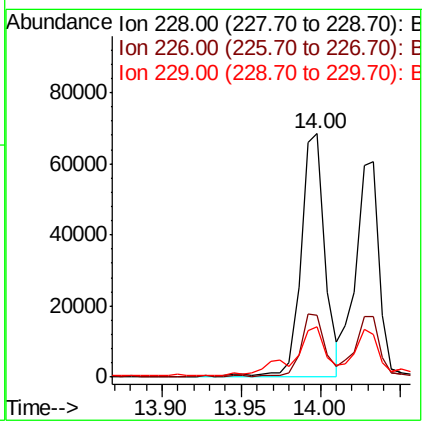


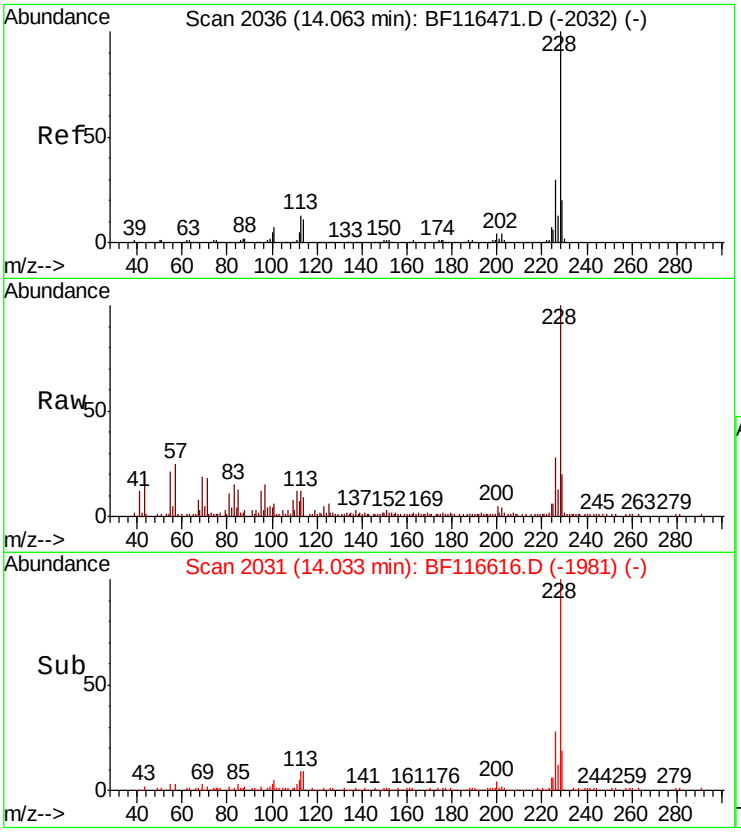


#81
Benzo(a)anthracene
Concen: 6.474 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:228 Resp: 71826

Ion	Ratio	Lower	Upper
228	100		
226	25.4	21.5	32.3
229	20.5	15.4	23.0



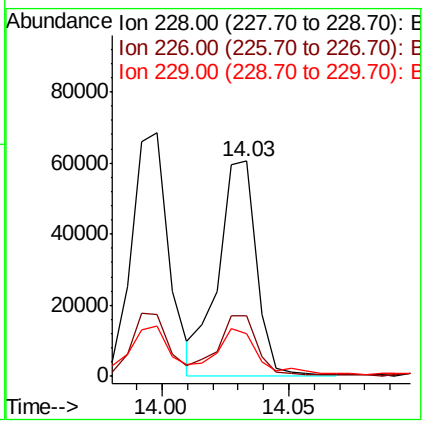


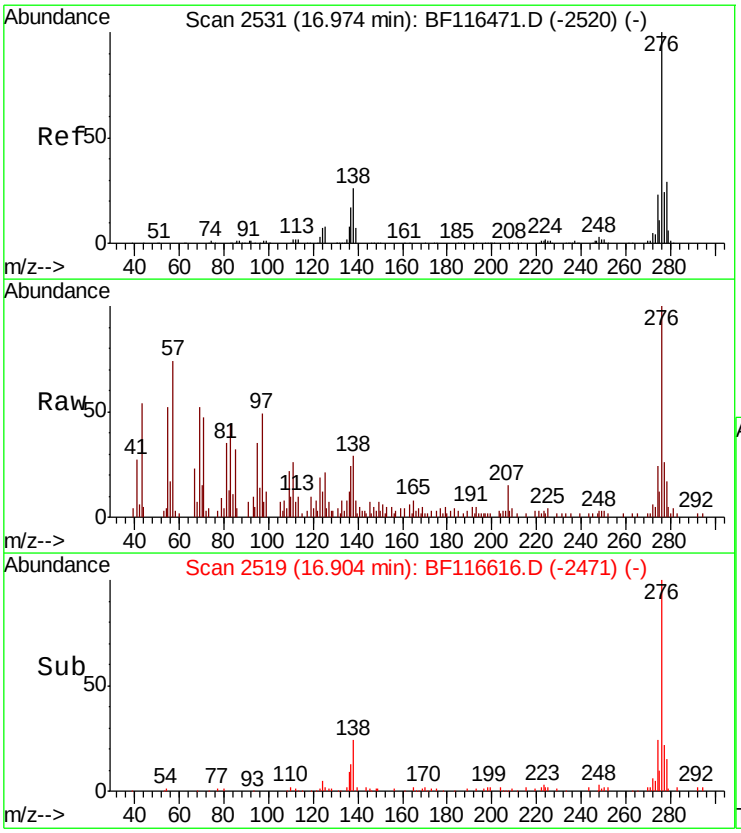
#83
Chrysene
Concen: 5.842 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 63448

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	20.1	15.8	23.8

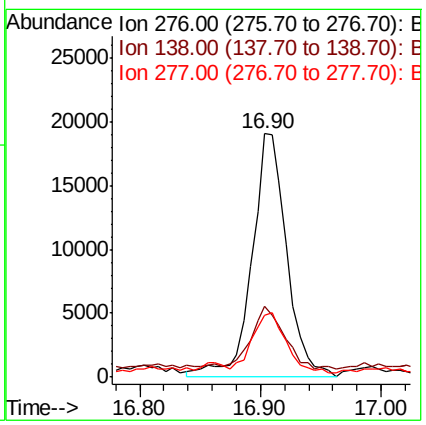


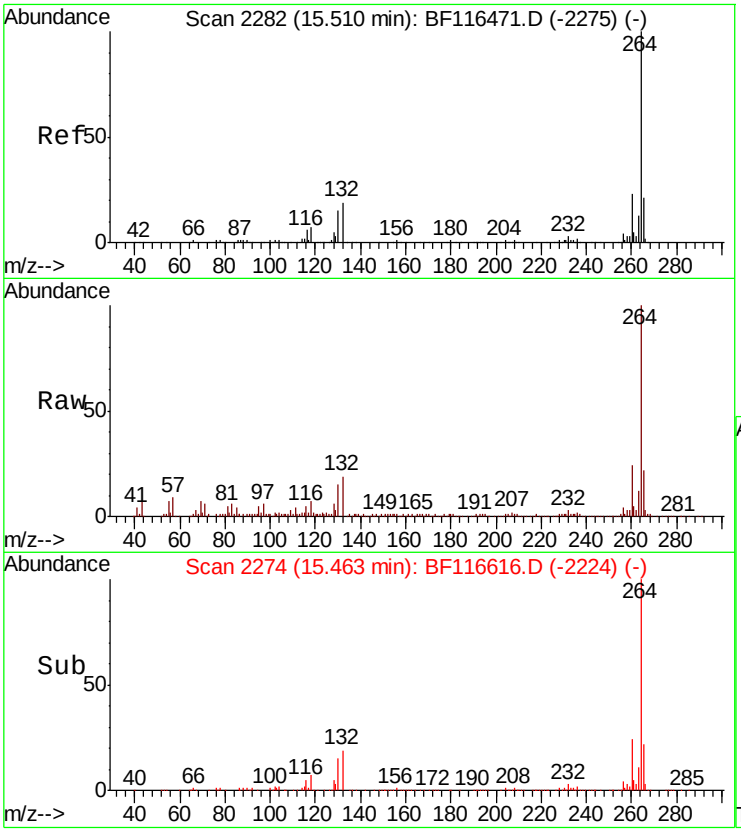


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.092 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:276 Resp: 38314

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.5	32.3
277	24.3	20.0	30.0



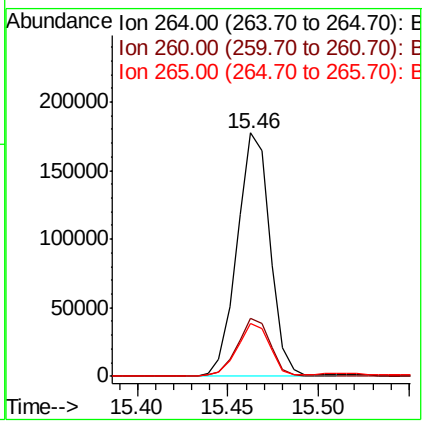


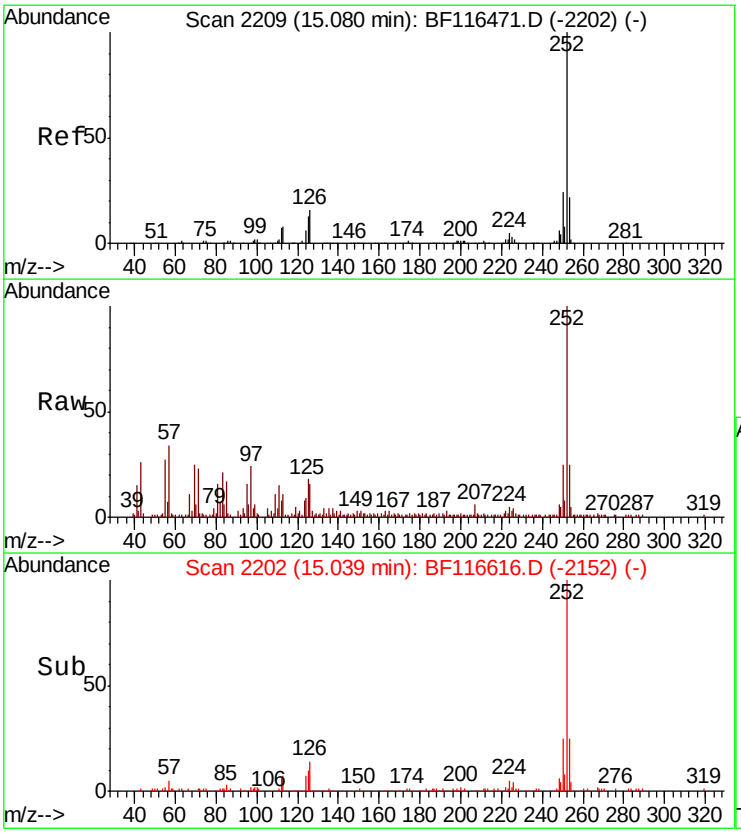
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 224622

Ion	Ratio	Lower	Upper
264	100		
260	23.8	20.0	30.0
265	22.0	17.6	26.4

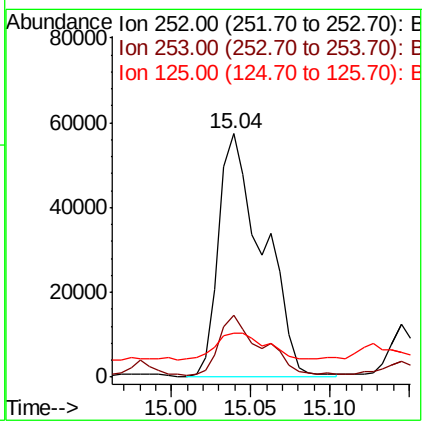


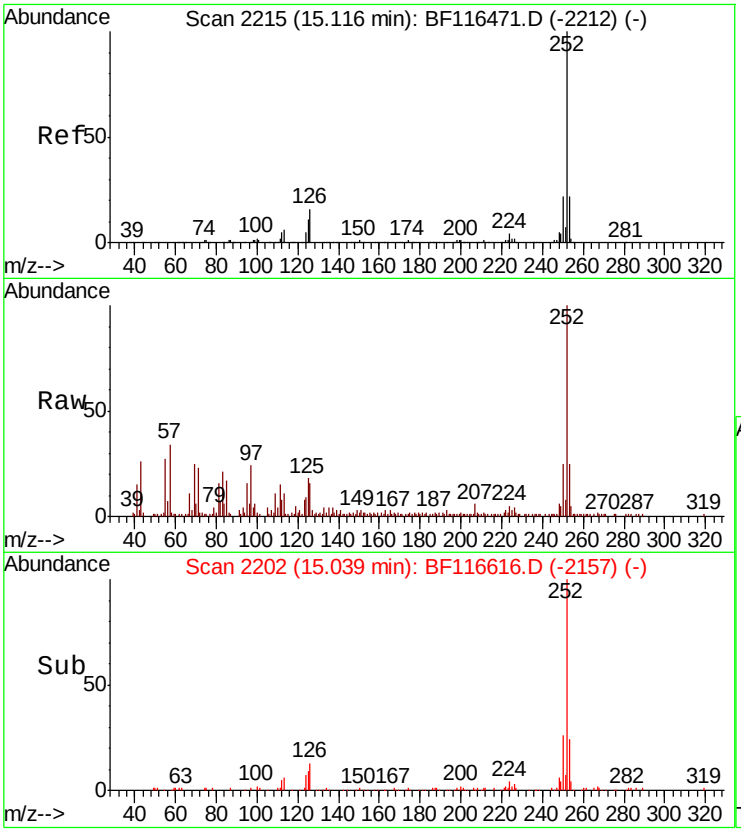


#88
Benzo(b)fluoranthene
Concen: 8.122 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:252 Resp: 112036

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.3	25.9
125	17.8	9.0	13.6#



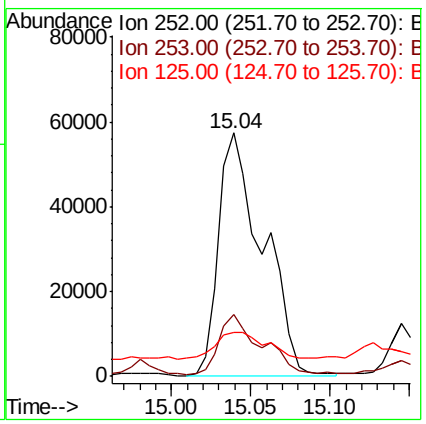


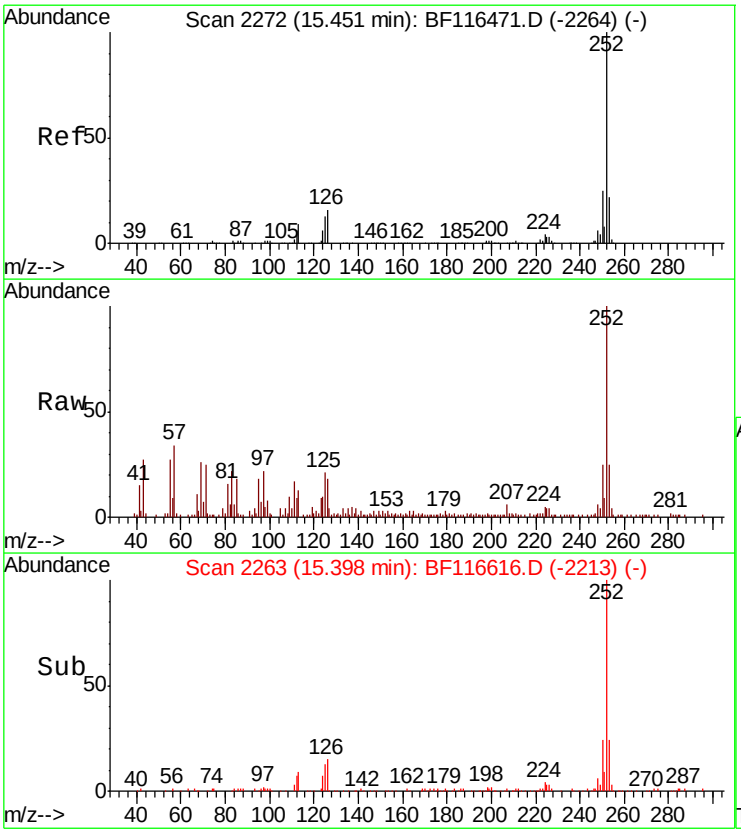
#89
Benzo(k)fluoranthene
Concen: 8.545 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 112036

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	17.8	8.6	13.0#

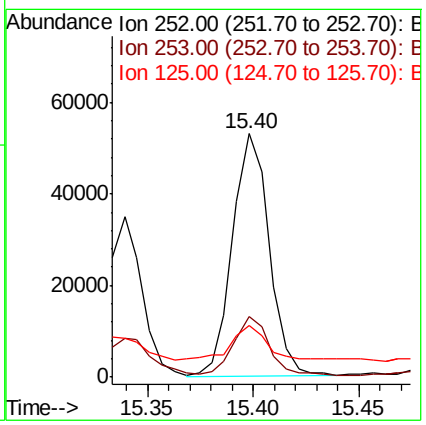


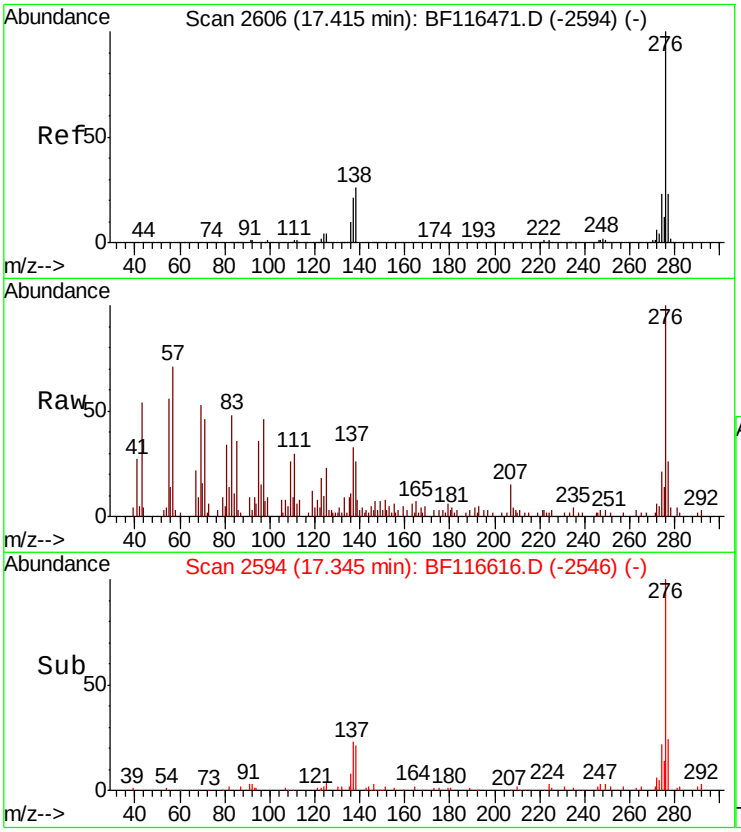


#90
Benzo(a)pyrene
Concen: 5.201 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Tgt Ion:252 Resp: 64035

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	21.5	10.6	16.0#





#92
Benzo(g,h,i)perylene
Concen: 2.916 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF116616.D
Acq: 28 Aug 2019 15:50

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 34830

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.0	28.4
138	25.7	18.2	27.2