Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Time: Apr 16 12:14:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 10:48:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138927	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	528366	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	256947	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	431133	20.00	ng		0.00
76) Chrysene-d12	13.89	240	242441	20.00	ng		0.00
87) Perylene-d12	15.32	264	258702	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	164792	20.50	ng		0.00
7) Phenol-d6	6.35	99	218231	21.07	ng		-0.01
23) Nitrobenzene-d5	7.28	82	134464	13.17	ng		-0.02
42) 2,4,6-Tribromophenol	10.55	330	65346	20.77	ng		-0.01
45) 2-Fluorobiphenyl	9.09	172	289780	16.01	ng		0.00
79) Terphenyl-d14	12.84	244	380533	26.41	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.27	77	436	Below Cal		#	82
19) n-Nitroso-di-n-propylamine	7.28	70	17022	2.555	ng	#	83
25) Isophorone	7.28	82	132958	6.753	ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	31453	7.227	ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	31453	5.485	ng	#	22
71) Phenanthrene	11.27	178	326350	14.223	ng		99
72) Anthracene	11.32	178	83291	3.553	ng		97
75) Fluoranthene	12.46	202	507354	20.493	ng		97
78) Pyrene	12.69	202	447128	21.877	ng		99
81) Benzo(a)anthracene	13.88	228	225165	14.118	ng		97
83) Chrysene	13.92	228	184416	11.380	ng		97
86) Indeno(1,2,3-cd)pyrene	16.70	276	108603	7.602	ng		96
88) Benzo(b)fluoranthene	14.91	252	324169	17.419	ng	#	95
89) Benzo(k)fluoranthene	14.91	252	324169	20.188	ng	#	96
90) Benzo(a)pyrene	15.26	252	182082	11.636	ng		98
91) Dibenzo(a,h)anthracene	16.71	278	28003	2.020	ng	#	90
92) Benzo(g,h,i)perylene	17.12	276	99977	7.307	ng		96

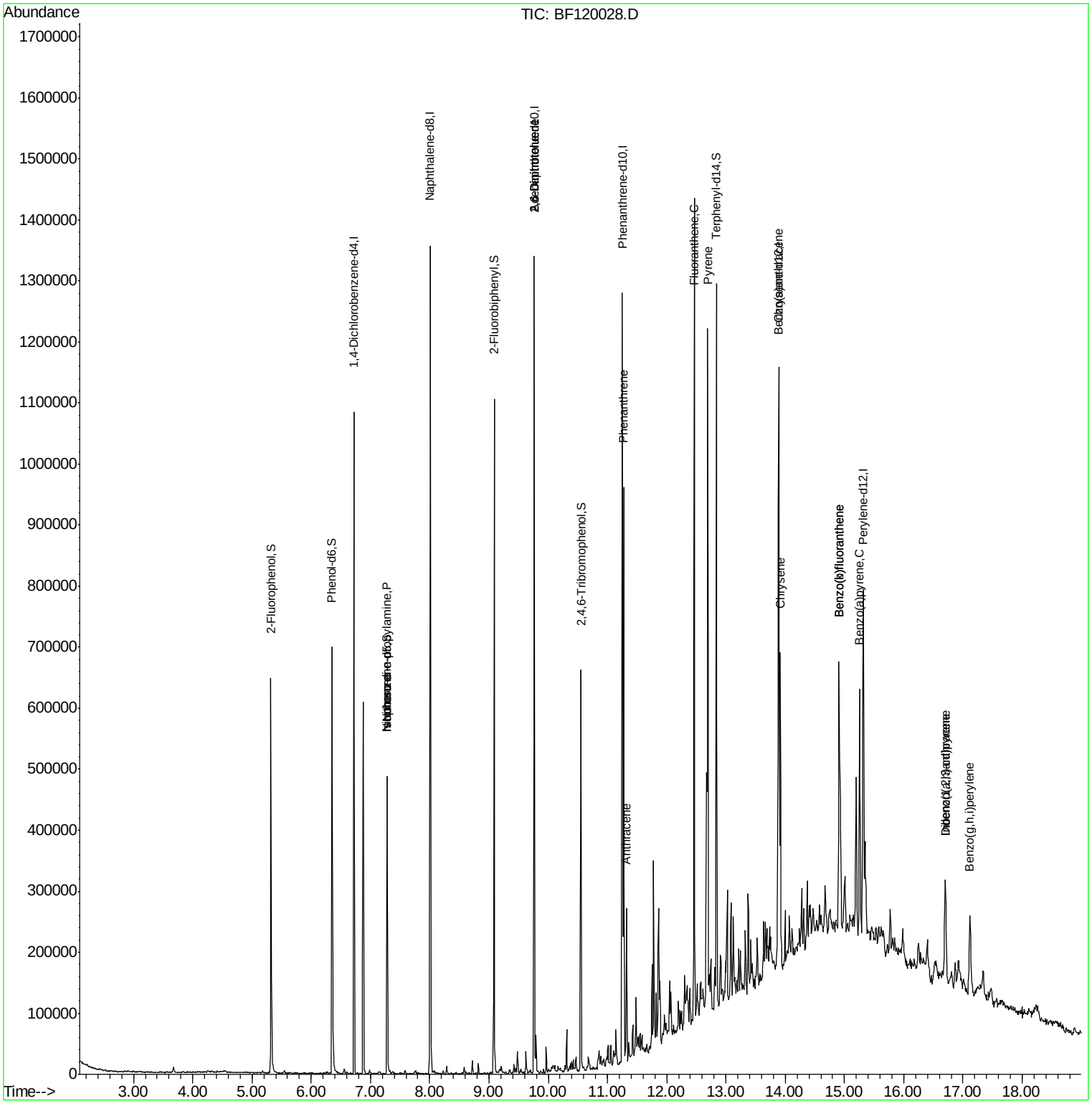
(#) = qualifier out of range (m) = manual integration (+) = signals summed

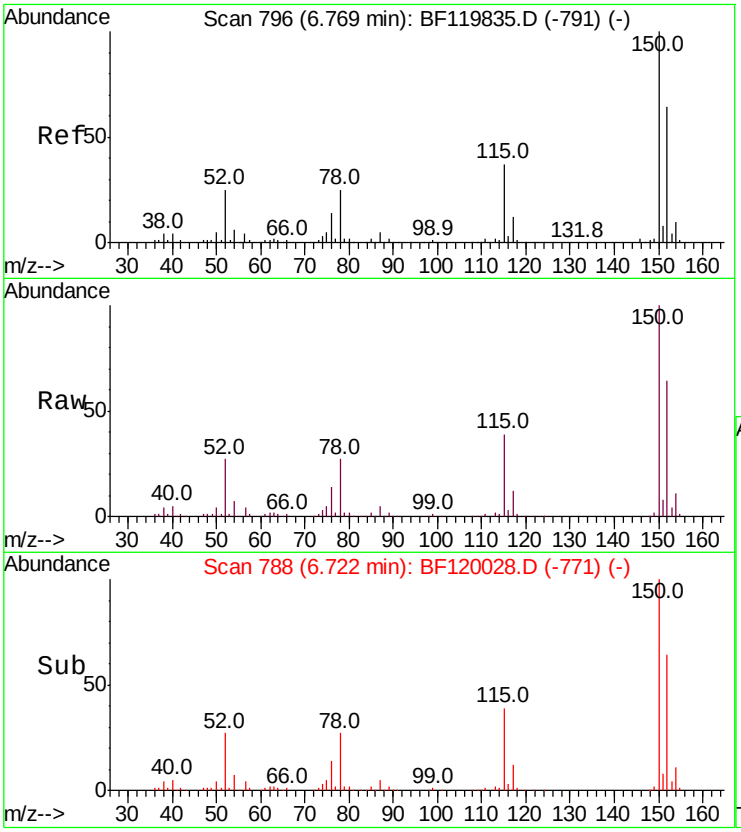
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-33

Quant Time: Apr 16 12:14:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 10:48:04 2020
Response via : Initial Calibration



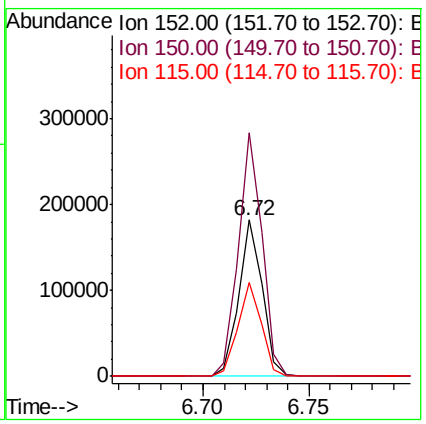


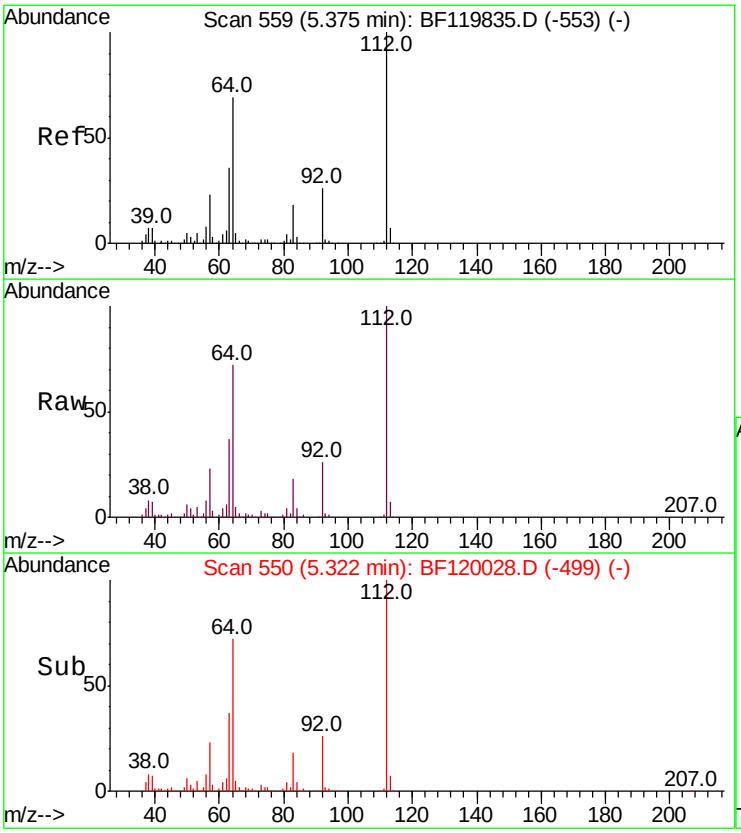
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:152 Resp: 138927

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	60.1	46.5	69.7

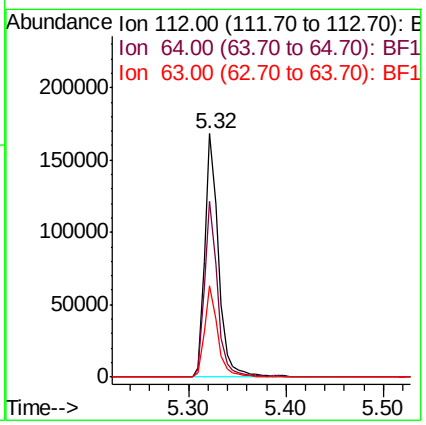


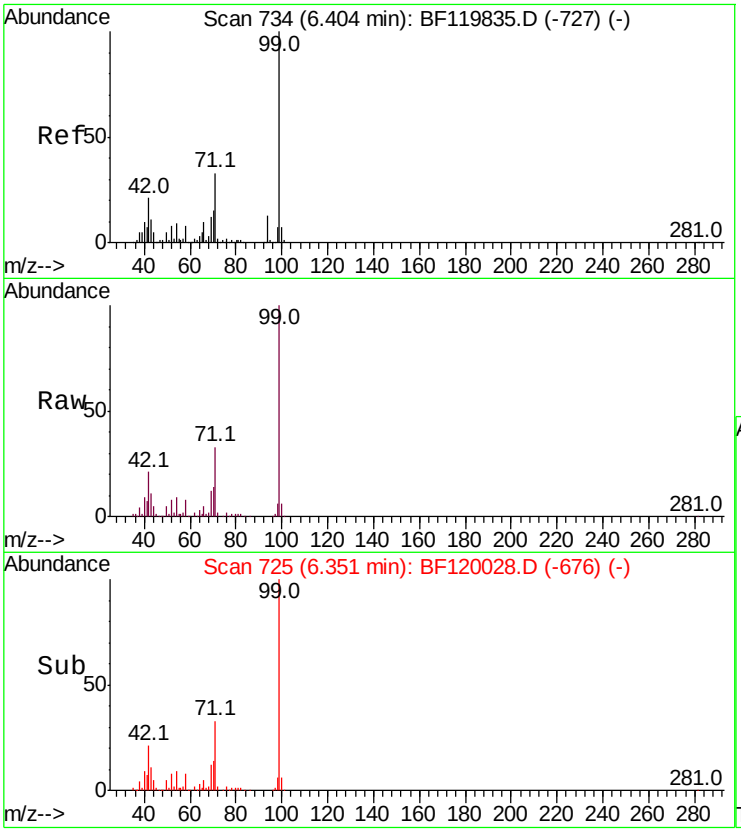


#5
2-Fluorophenol
Concen: 20.499 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:112 Resp: 164792

Ion	Ratio	Lower	Upper
112	100		
64	72.4	55.5	83.3
63	37.2	29.1	43.7



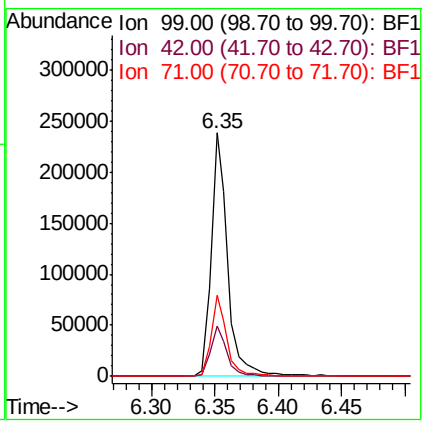


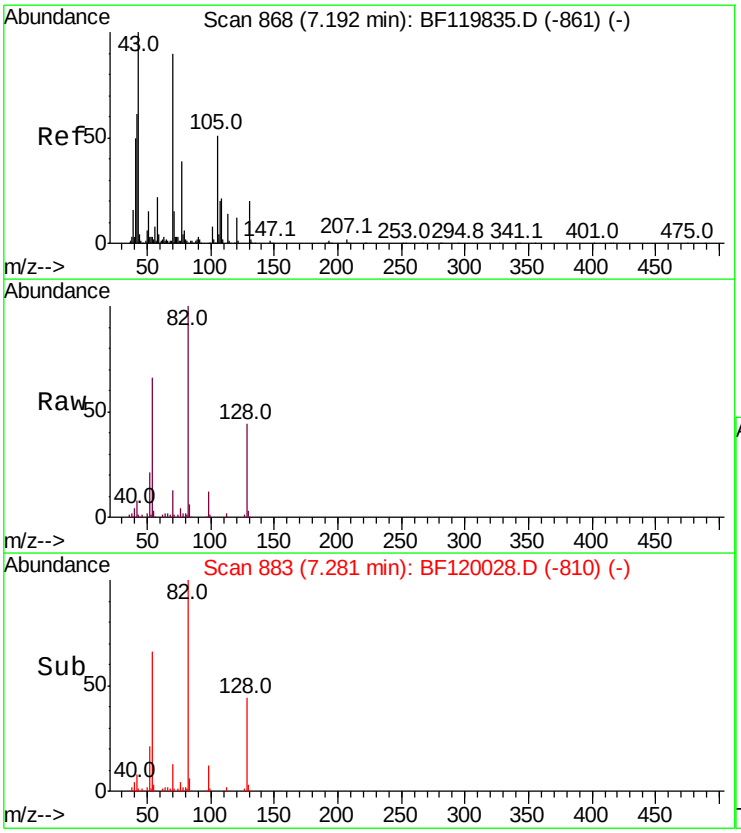
#7
Phenol-d6
Concen: 21.068 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion: 99 Resp: 218231

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.9	25.3
71	33.3	26.3	39.5

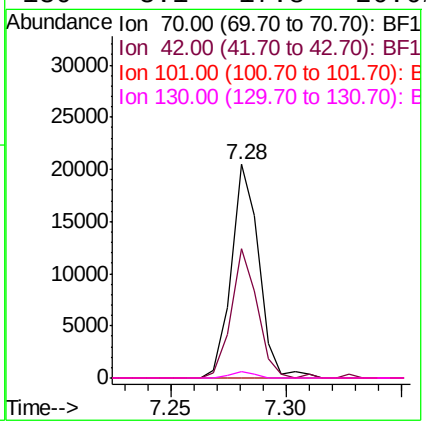


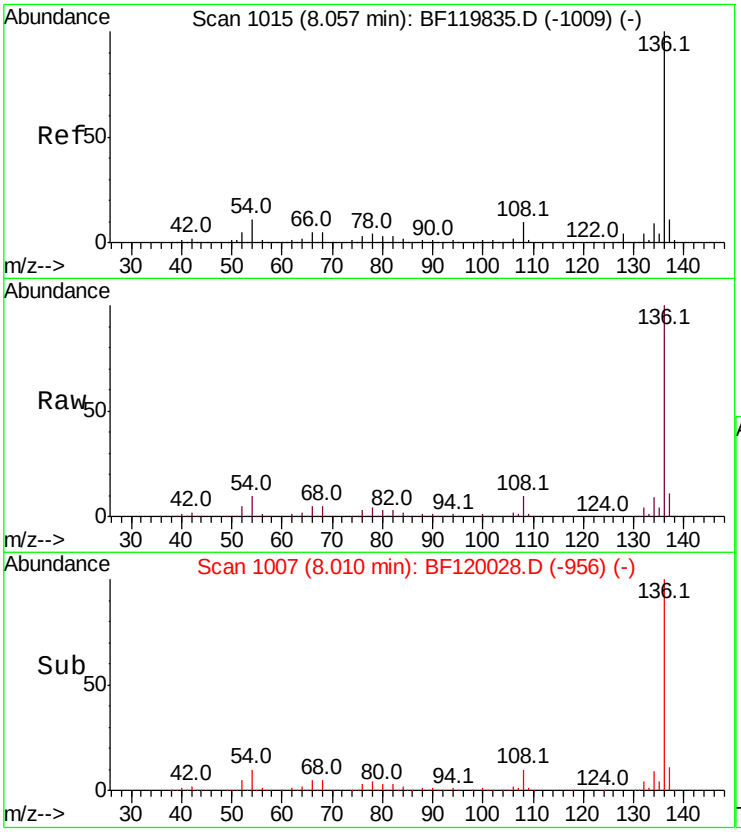


#19
n-Nitroso-di-n-propylamine
Concen: 2.555 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion: 70 Resp: 17022

Ion	Ratio	Lower	Upper
70	100		
42	60.8	54.2	81.4
101	0.0	7.4	11.2#
130	3.1	17.8	26.6#



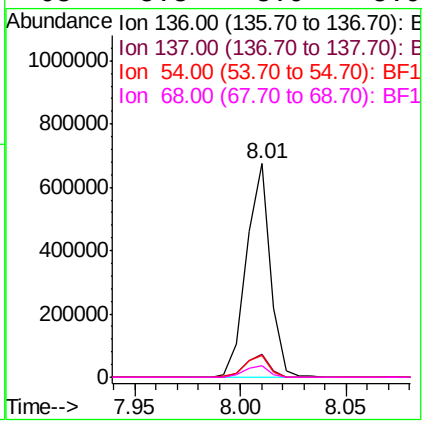


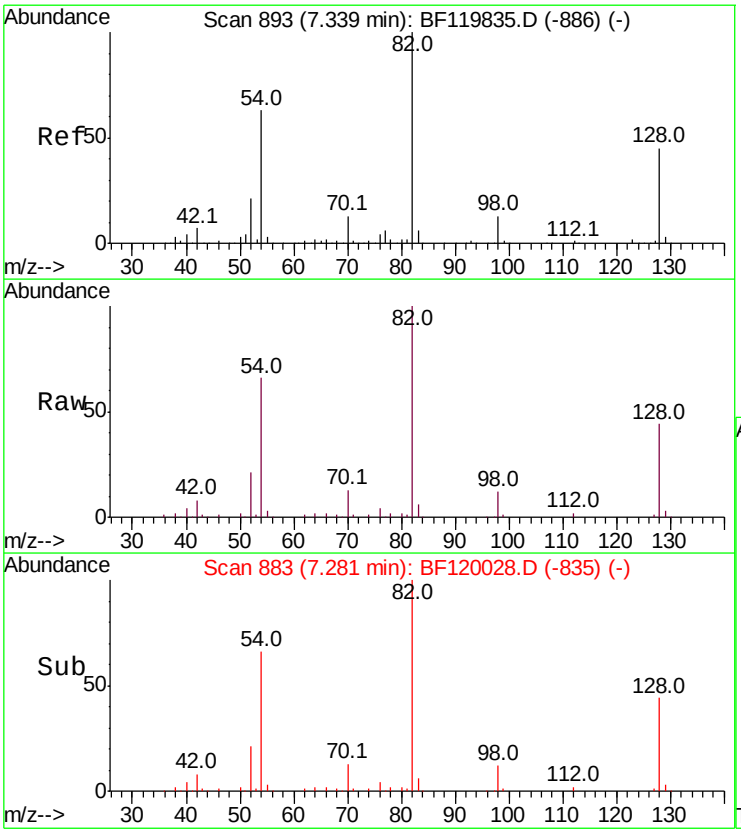
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:136 Resp: 528366

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.1	8.5	12.7
68	5.3	3.9	5.9

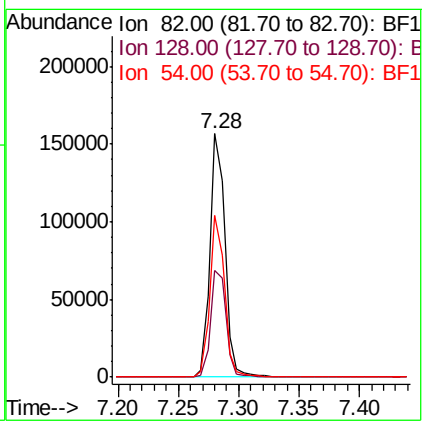


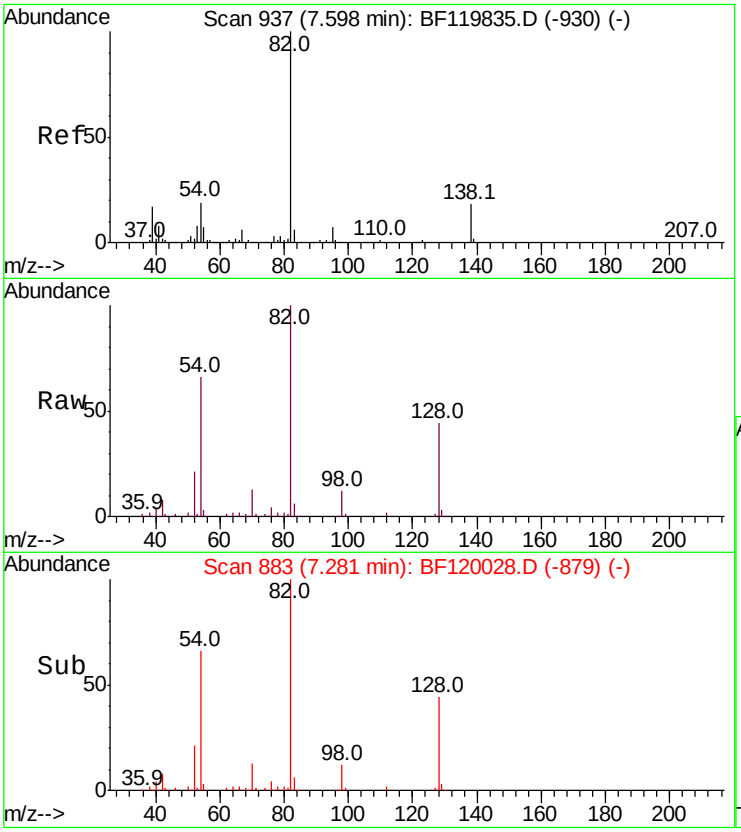


#23
Nitrobenzene-d5
Concen: 13.166 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion: 82 Resp: 134464

Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.2	54.4
54	66.5	50.4	75.6



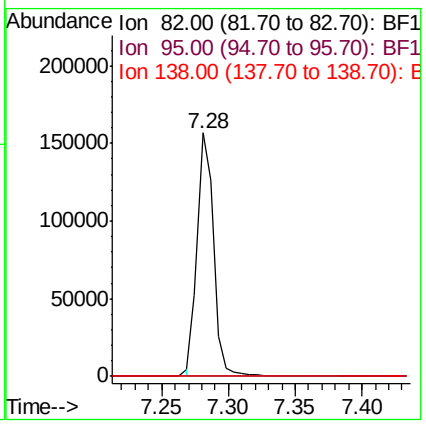


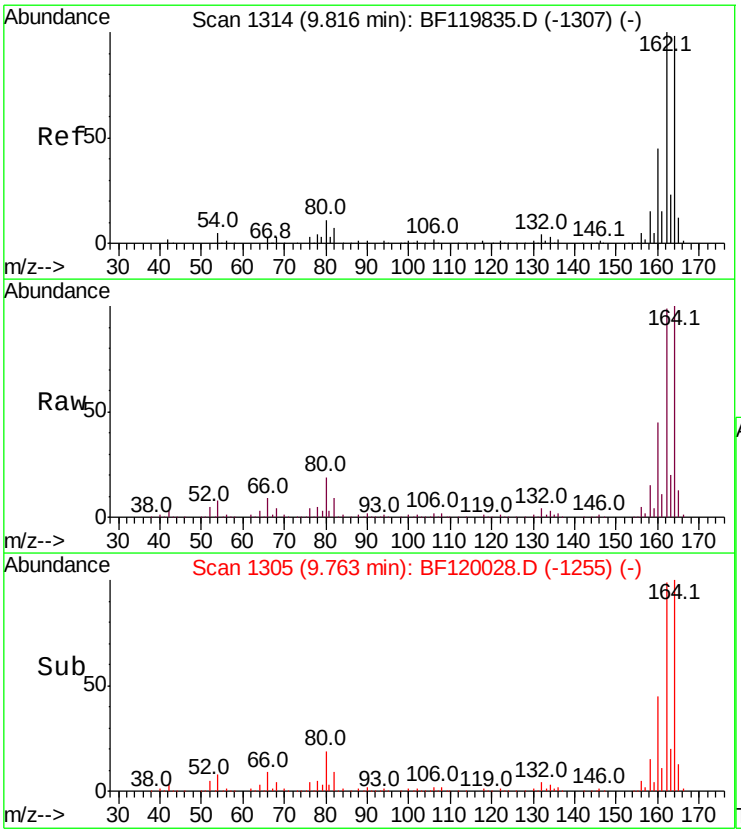
#25
Isophorone
Concen: 6.753 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion: 82 Resp: 132958

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.5	21.7#

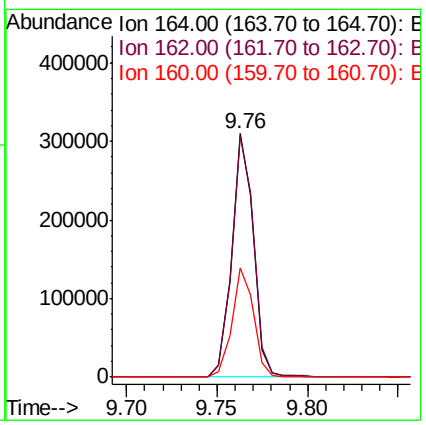


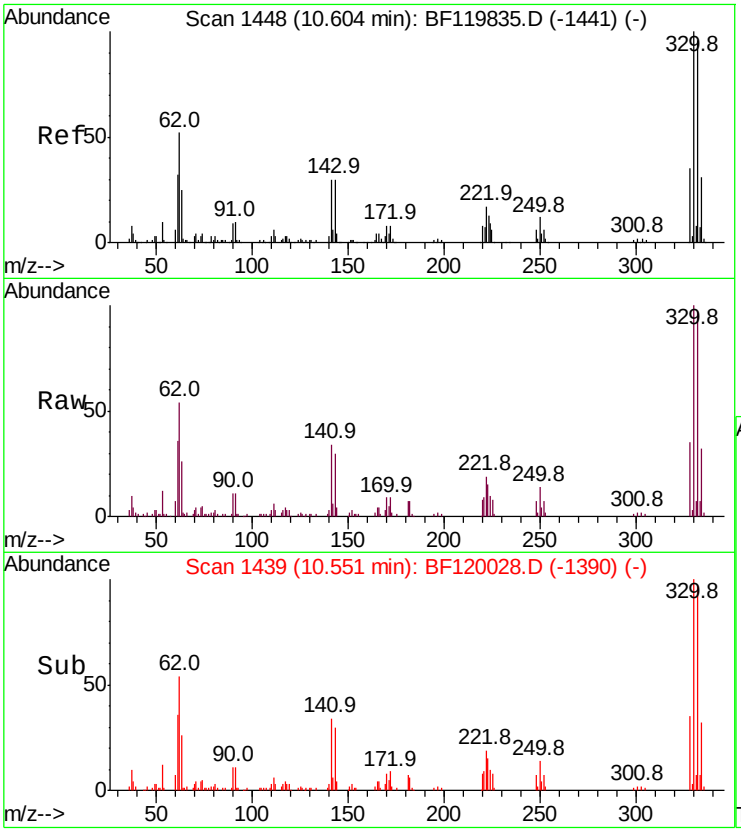


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:164 Resp: 256947

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.9	122.9
160	44.8	36.6	54.8



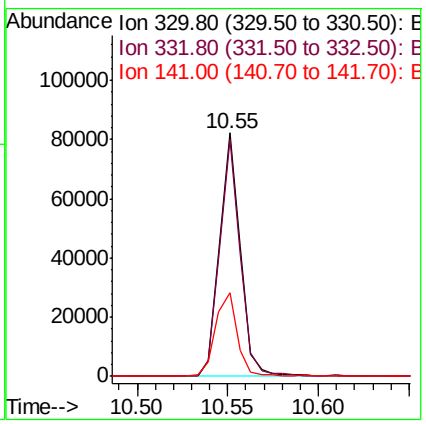


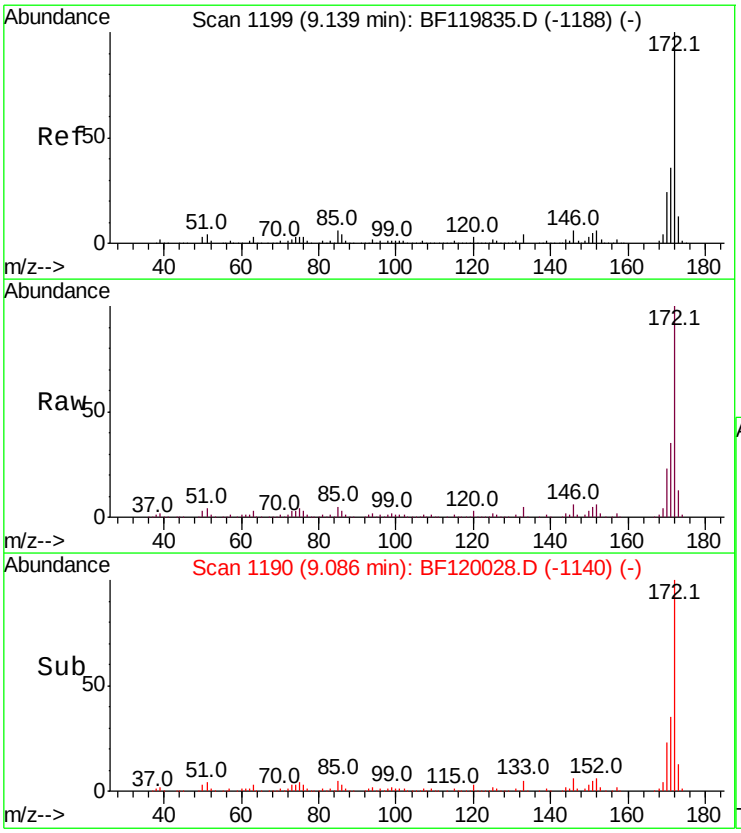
#42
2,4,6-Tribromophenol
Concen: 20.772 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:330 Resp: 65346

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	36.2	25.1	37.7

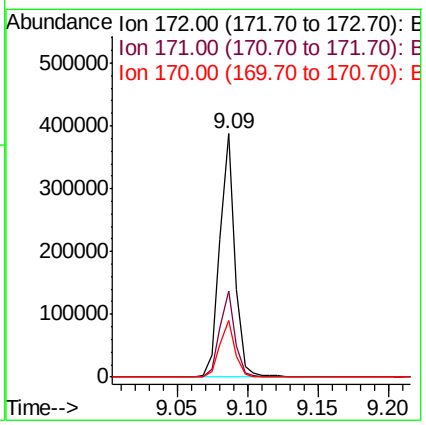


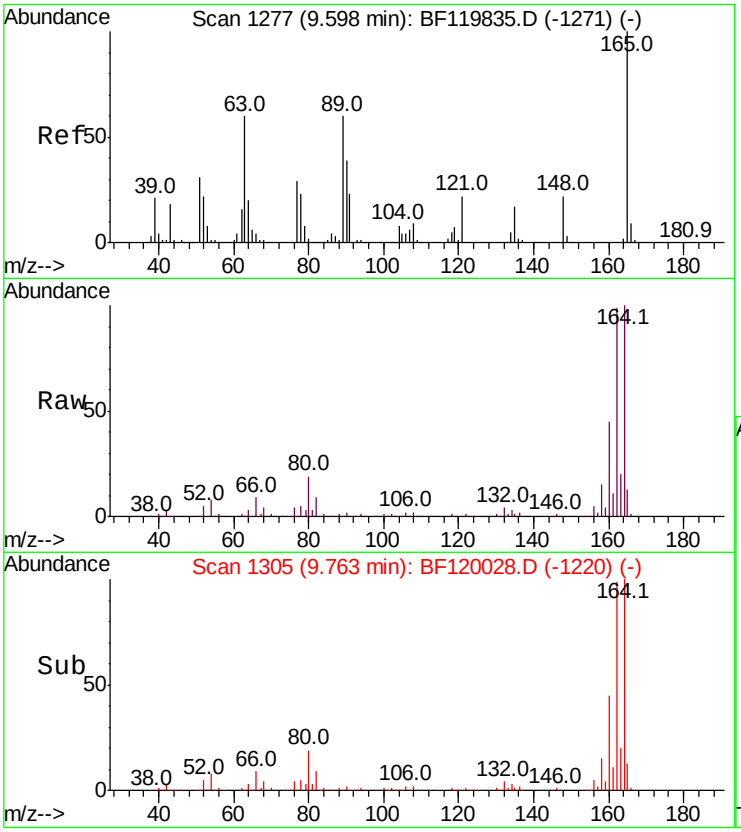


#45
2-Fluorobiphenyl
Concen: 16.012 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:172 Resp: 289780

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	23.3	19.4	29.2



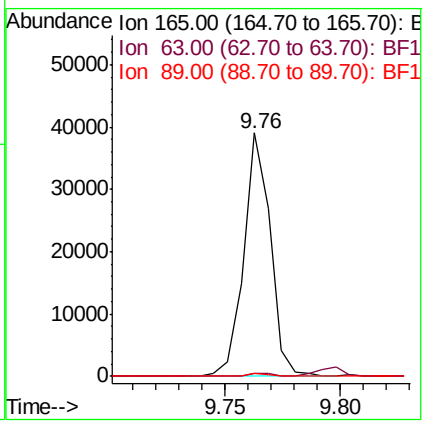


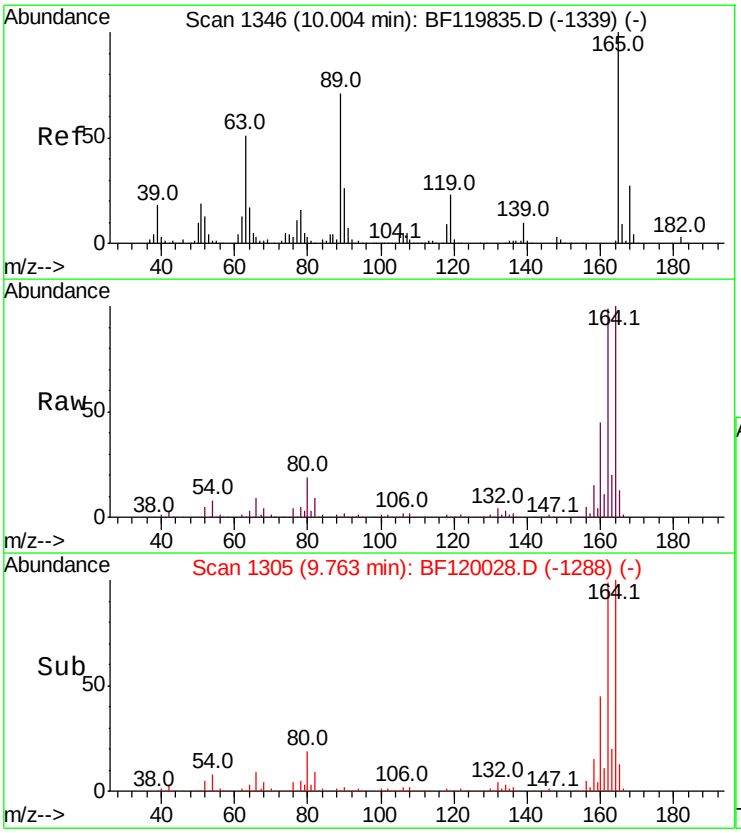
#51
2,6-Dinitrotoluene
Concen: 7.227 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:165 Resp: 31453

Ion	Ratio	Lower	Upper
165	100		
63	1.0	55.6	83.4#
89	1.4	47.9	71.9#

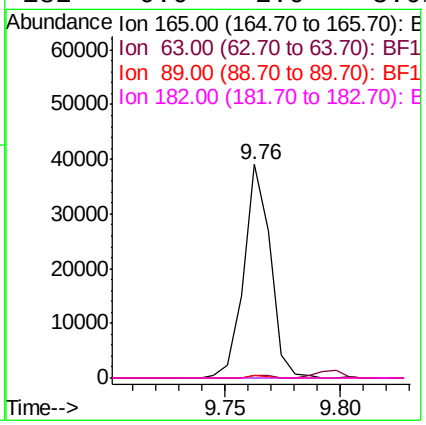


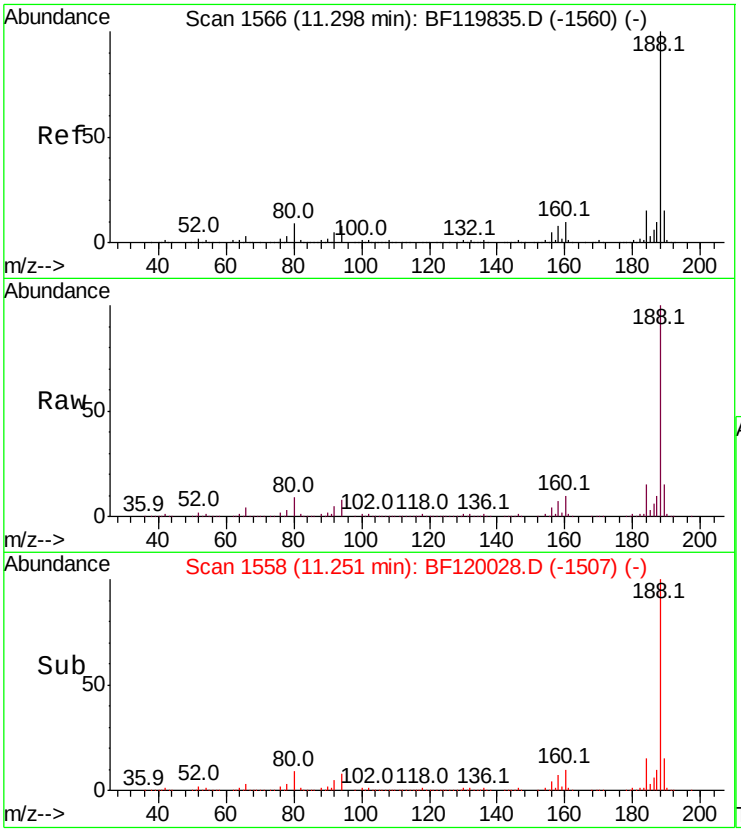


#57
2,4-Dinitrotoluene
Concen: 5.485 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:165 Resp: 31453

Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.8	61.2#
89	1.4	56.9	85.3#
182	0.0	2.0	3.0#



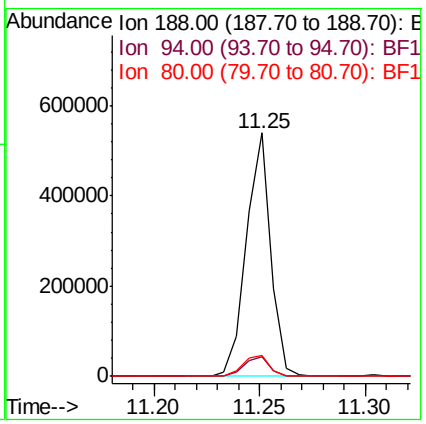


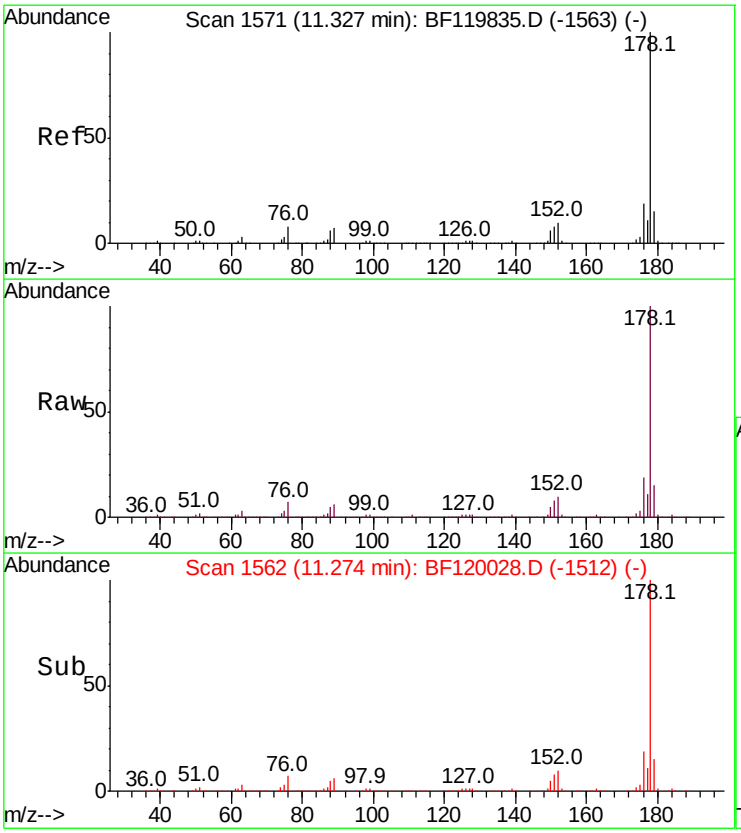
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:188 Resp: 431133

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.6	7.4	11.2

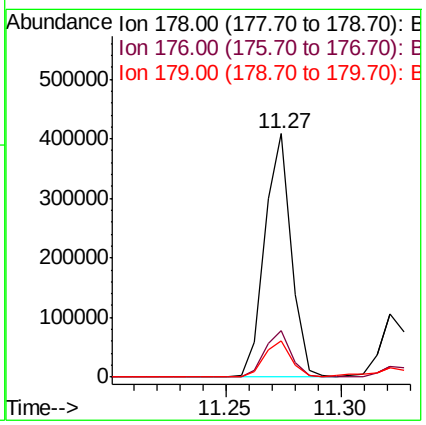


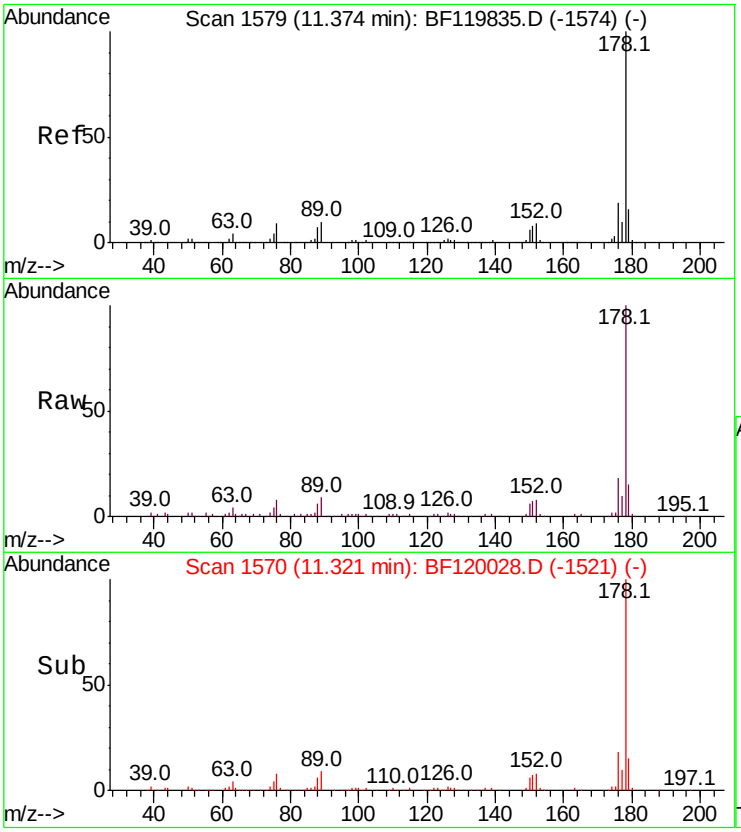


#71
Phenanthrene
Concen: 14.223 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:178 Resp: 326350

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.0	12.2	18.4



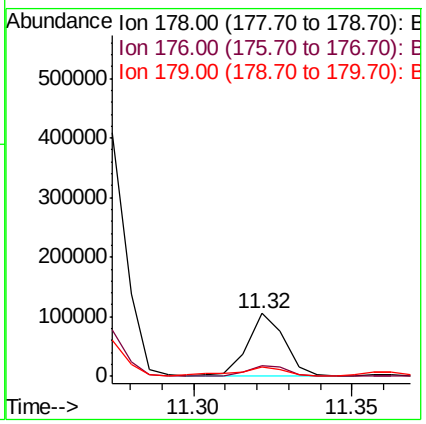


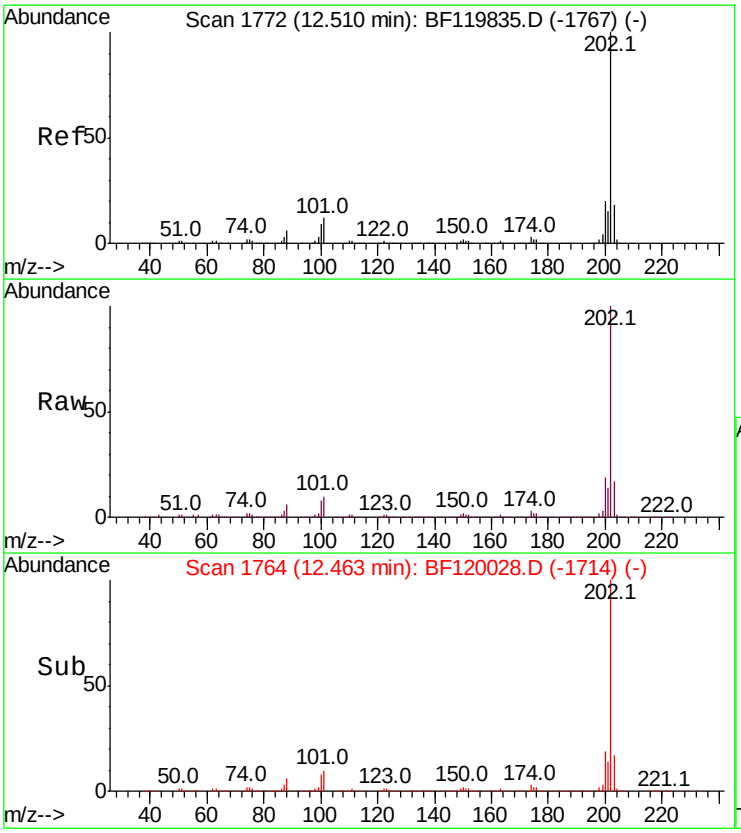
#72
Anthracene
Concen: 3.553 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:178 Resp: 83291

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.0	12.8	19.2

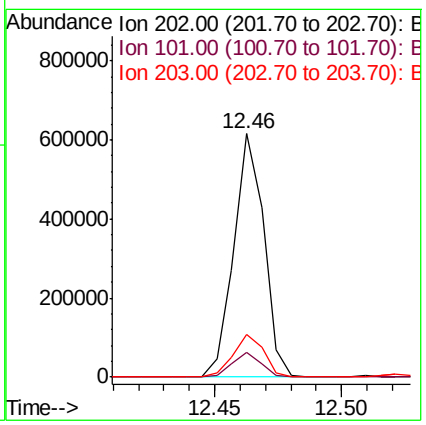


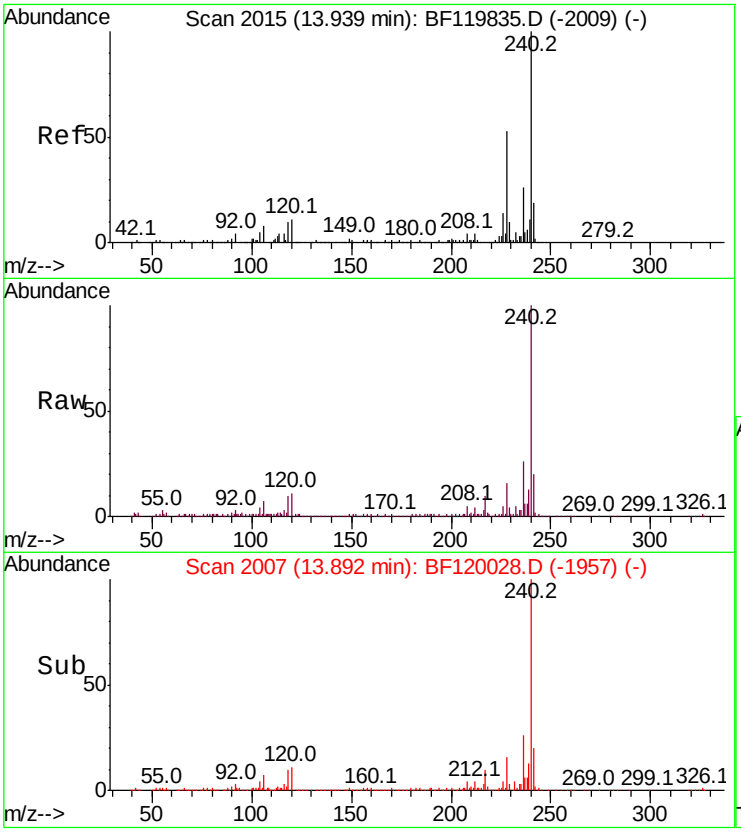


#75
Fluoranthene
Concen: 20.493 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:202 Resp: 507354

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.3
203	17.4	0.0	37.6



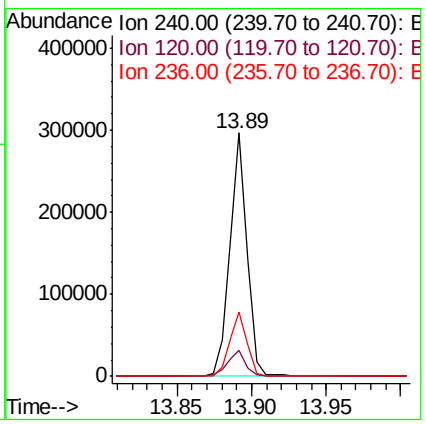


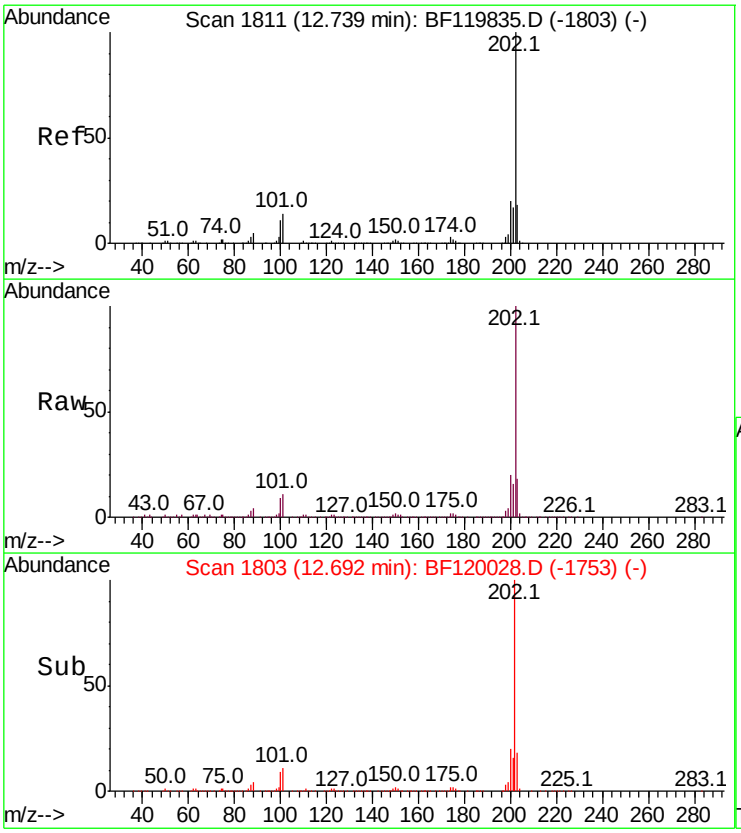
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:240 Resp: 242441

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.6
236	26.3	20.7	31.1

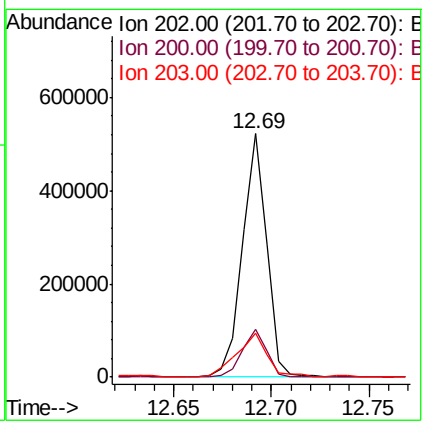


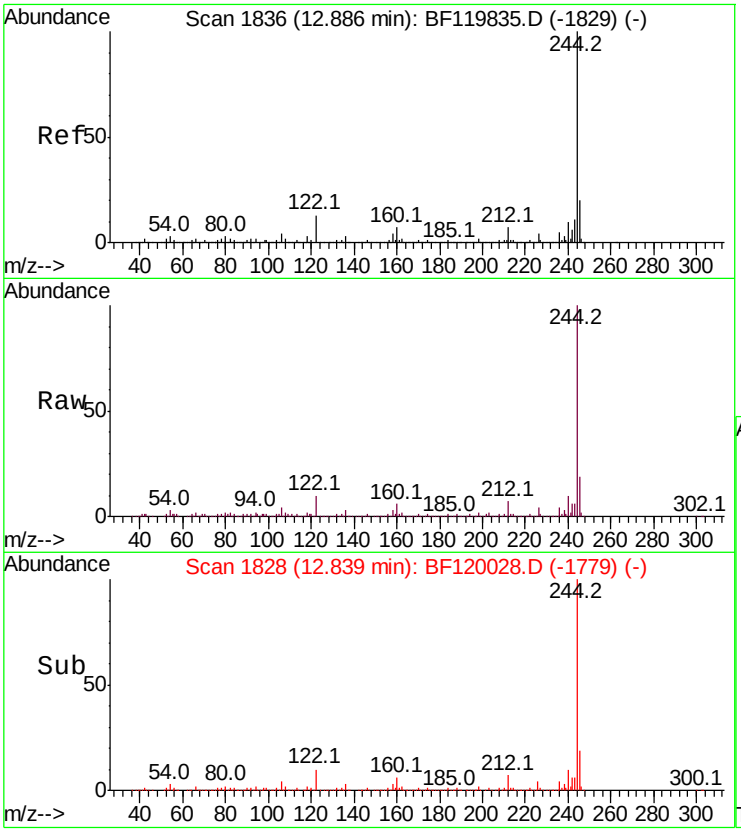


#78
Pyrene
Concen: 21.877 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:202 Resp: 447128

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	18.1	14.1	21.1



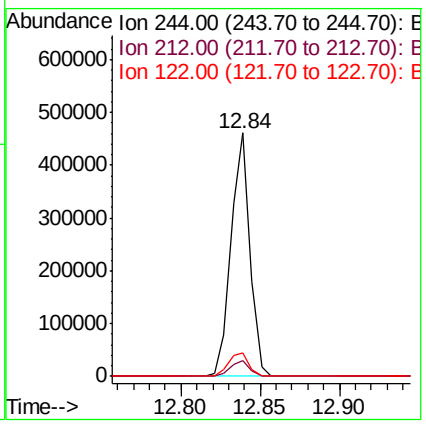


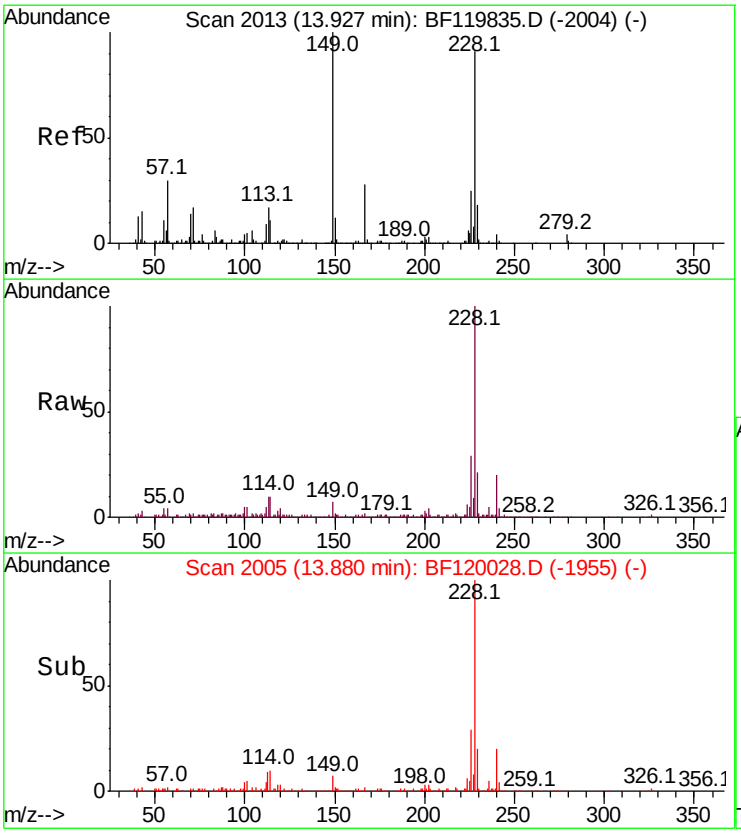
#79
Terphenyl-d14
Concen: 26.411 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:244 Resp: 380533

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.7	10.3	15.5#

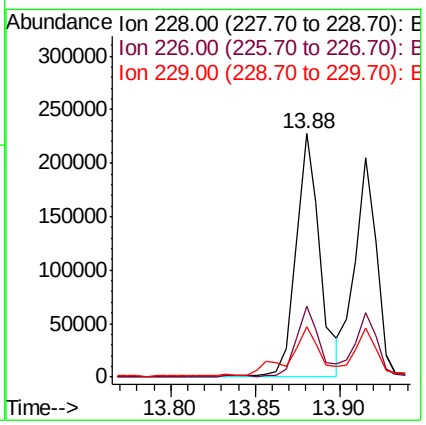


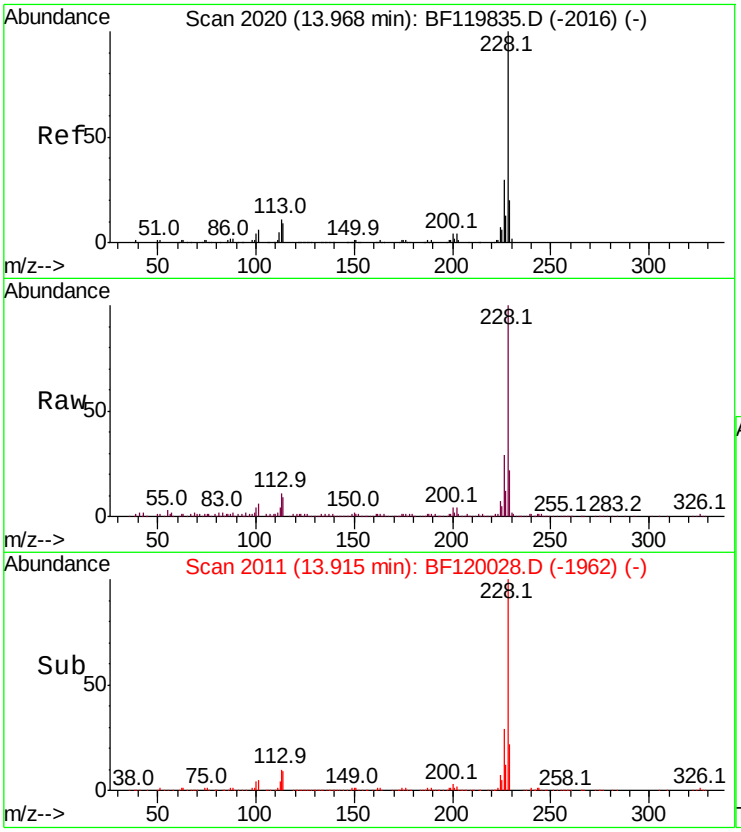


#81
Benzo(a)anthracene
Concen: 14.118 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:228 Resp: 225165

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.9	32.9
229	20.8	15.9	23.9



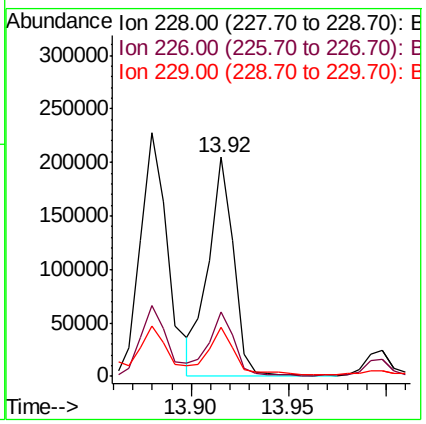


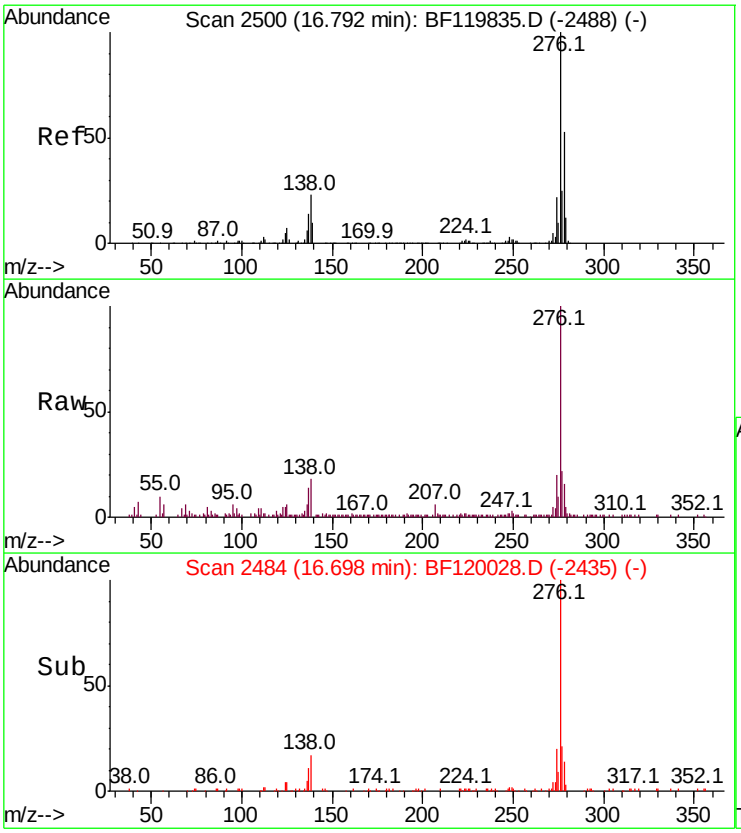
#83
Chrysene
Concen: 11.380 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:228 Resp: 184416

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	22.4	15.9	23.9

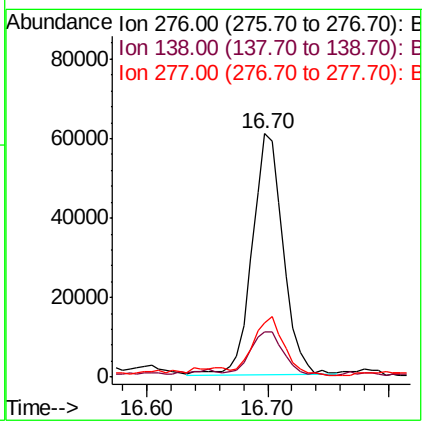


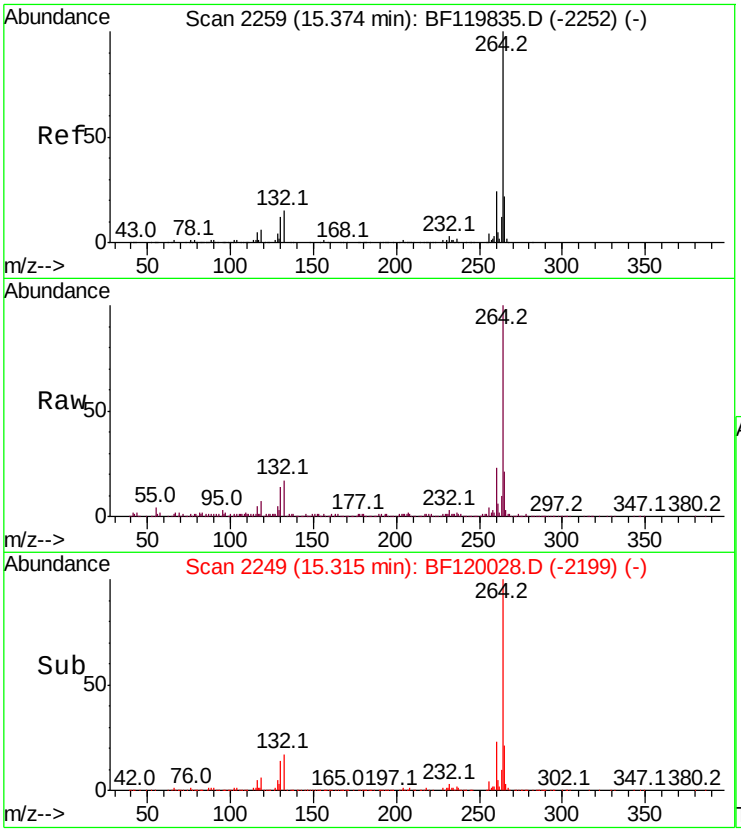


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.602 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:276 Resp: 108603

Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.0	27.0
277	24.5	20.1	30.1



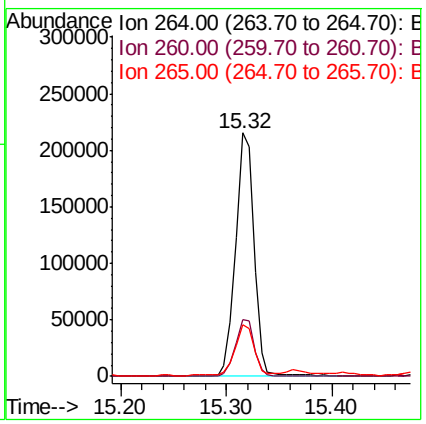


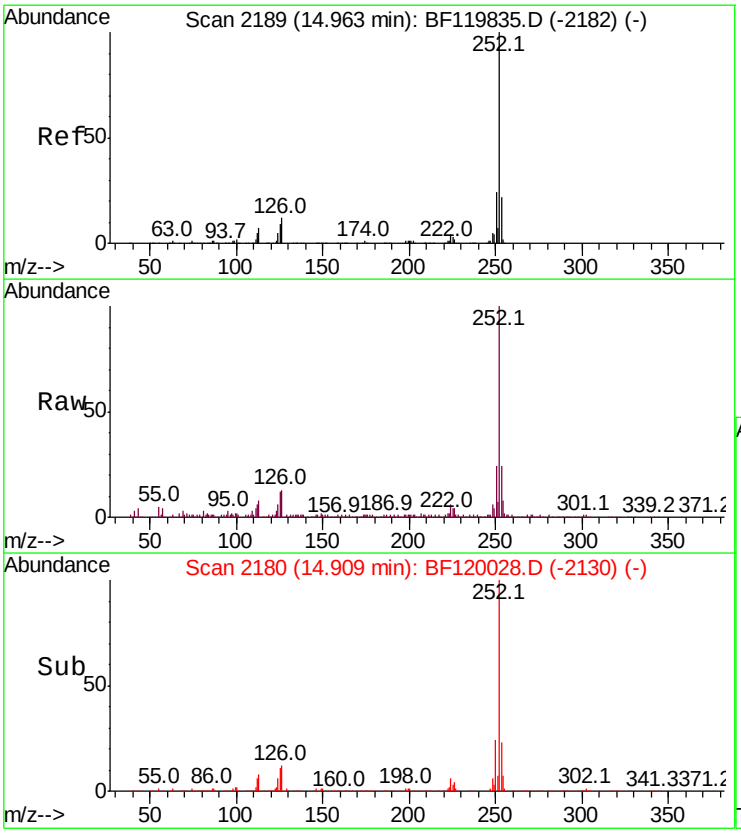
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:264 Resp: 258702

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	21.1	17.6	26.4

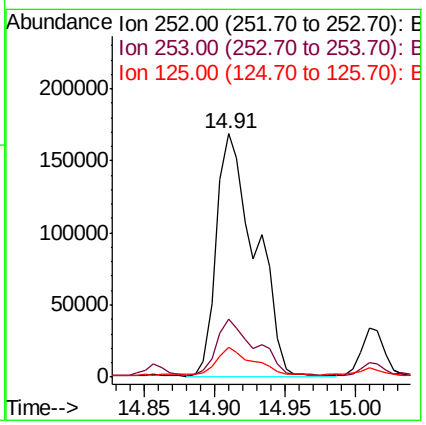


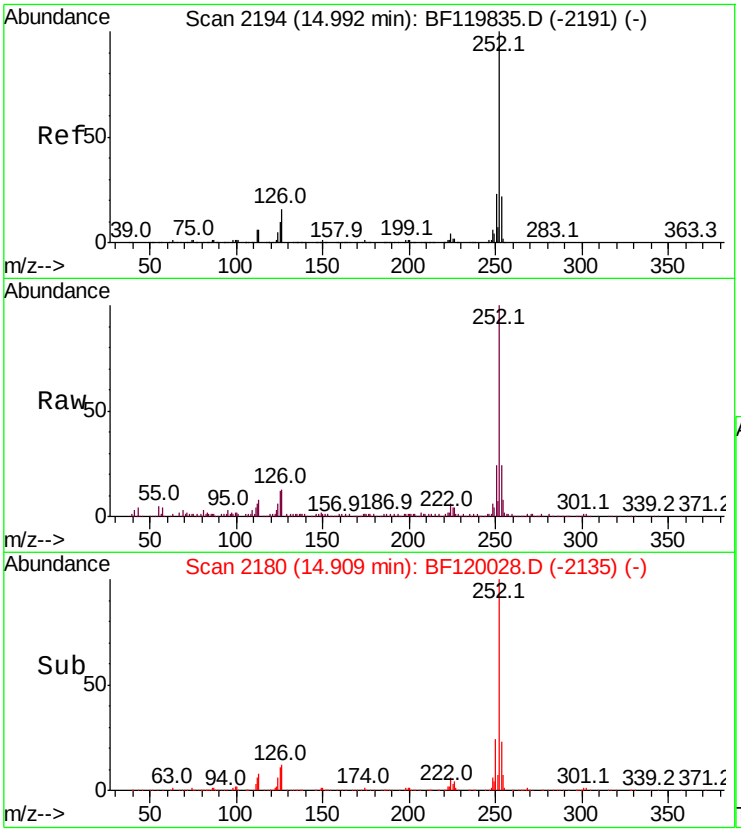


#88
Benzo(b)fluoranthene
Concen: 17.419 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:252 Resp: 324169

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	12.3	7.4	11.2#



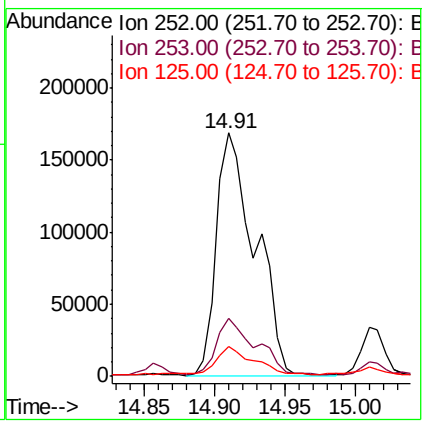


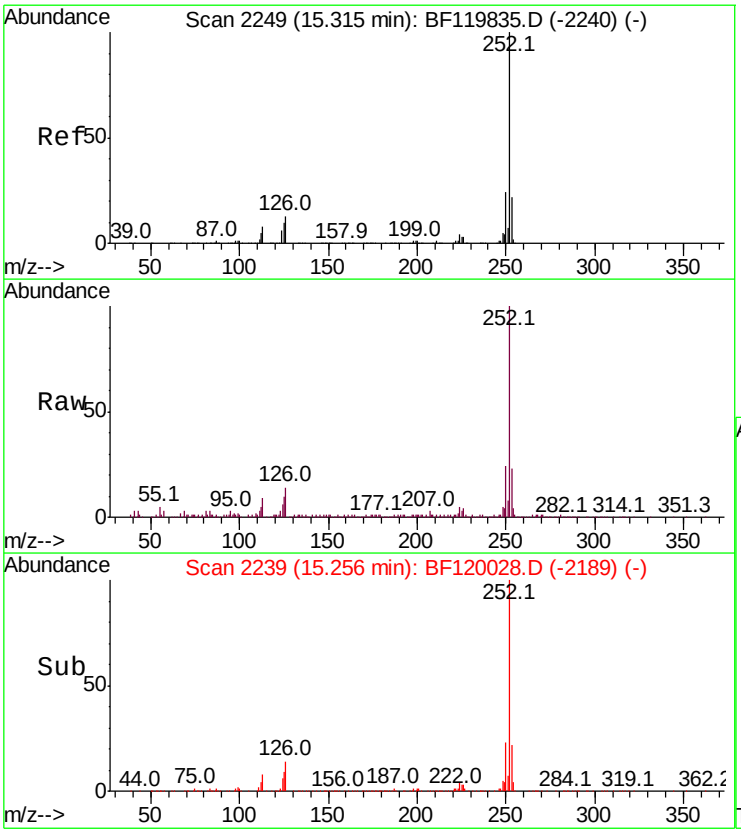
#89
Benzo(k)fluoranthene
Concen: 20.188 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:252 Resp: 324169

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.3	7.7	11.5#

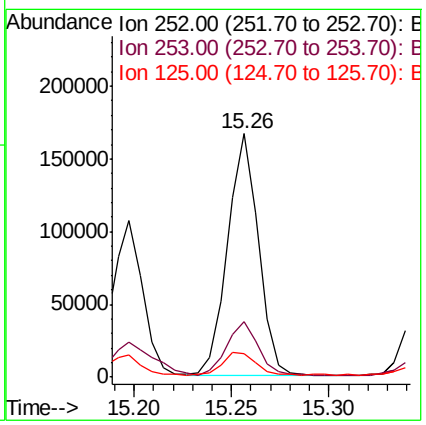


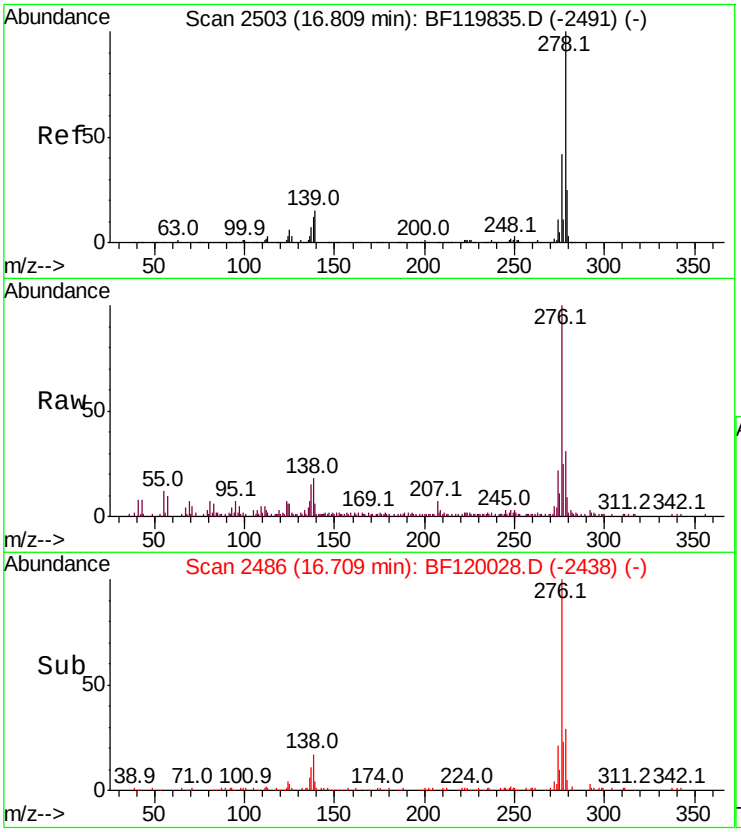


#90
Benzo(a)pyrene
Concen: 11.636 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:252 Resp: 182082

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.9	8.3	12.5



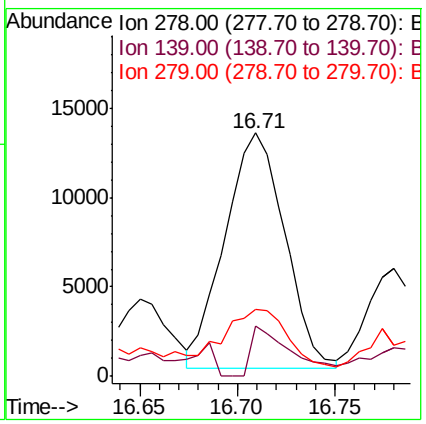


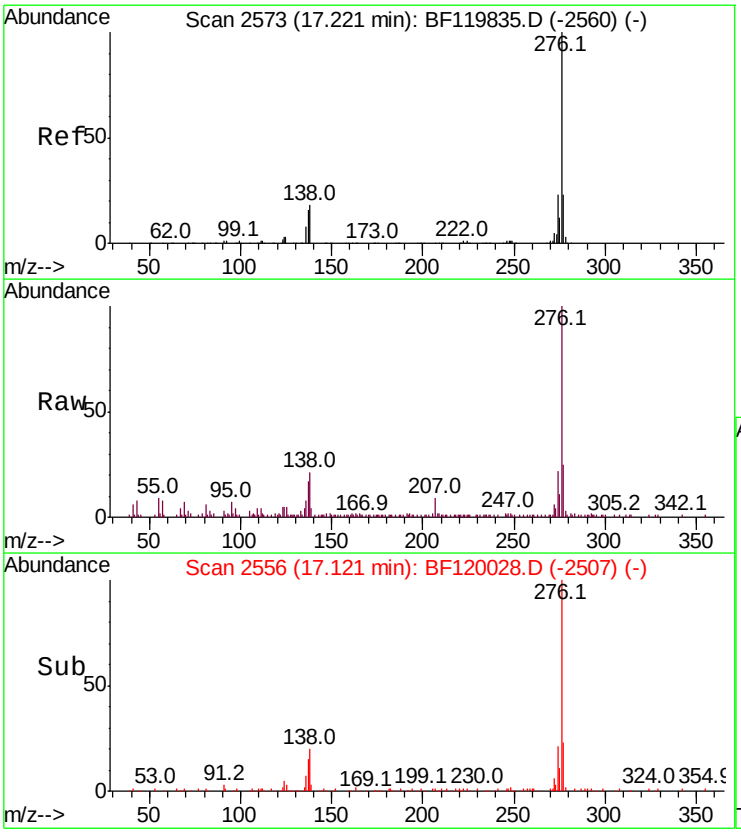
#91
Dibenzo(a,h)anthracene
Concen: 2.020 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.02 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tgt Ion:278 Resp: 28003

Ion	Ratio	Lower	Upper
278	100		
139	20.8	11.6	17.4#
279	27.7	19.7	29.5





#92
Benzo(g,h,i)perylene
Concen: 7.307 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:276 Resp: 99977

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.5	27.7
138	21.1	14.6	22.0