Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
Data File : BF099991.D
Acq On : 31 Oct 2017 5:52
Operator : SJ/JU
Sample : I6169-01DL 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 31 06:33:16 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	82898	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	339926	20.00	ng		-0.01
38) Acenaphthene-d10	9.82	164	158380	20.00	ng		-0.02
63) Phenanthrene-d10	11.32	188	275492	20.00	ng		-0.01
75) Chrysene-d12	13.97	240	176380	20.00	ng		-0.02
86) Perylene-d12	15.46	264	163698	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	757	0.14	ng		0.10
7) Phenol-d6	6.52	99	2541	0.41	ng		0.08
23) Nitrobenzene-d5	7.40	82	3562	0.67	ng		0.04
41) 2,4,6-Tribromophenol	10.64	330	1215	0.84	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	11469	1.12	ng		-0.01
78) Terphenyl-d14	12.90	244	10077	1.25	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.09	128	98829	6.023	ng		98
37) 2-Methylnaphthalene	8.79	142	38293	3.482	ng		97
50) 2,6-Dinitrotoluene	9.82	165	20844	7.905	ng	#	25
51) Acenaphthene	9.86	154	57231	5.844	ng		97
54) Dibenzofuran	10.03	168	58647	4.243	ng		97
55) 4-Nitrophenol	10.03	139	20784	12.803	ng	#	9
56) 2,4-Dinitrotoluene	9.82	165	20844	6.564	ng	#	22
57) Fluorene	10.37	166	91496	7.995	ng		98
70) Phenanthrene	11.35	178	499896	32.153	ng		98
71) Anthracene	11.40	178	176406	11.178	ng		98
72) Carbazole	11.56	167	42710	2.878	ng		100
74) Fluoranthene	12.54	202	489699	30.308	ng		99
77) Pyrene	12.77	202	402728	30.028	ng		100
80) Benzo(a)anthracene	13.96	228	168298	15.052	ng		98
82) Chrysene	14.00	228	140397	13.356	ng		99
85) Indeno(1,2,3-cd)pyrene	16.96	276	62495	6.476	ng		99
87) Benzo(b)fluoranthene	15.03	252	212393	20.547	ng	#	97
88) Benzo(k)fluoranthene	15.03	252	212393	21.790	ng		98
89) Benzo(a)pyrene	15.40	252	117230	12.625	ng	#	96
91) Benzo(g,h,i)perylene	17.40	276	54801	6.789	ng		93

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

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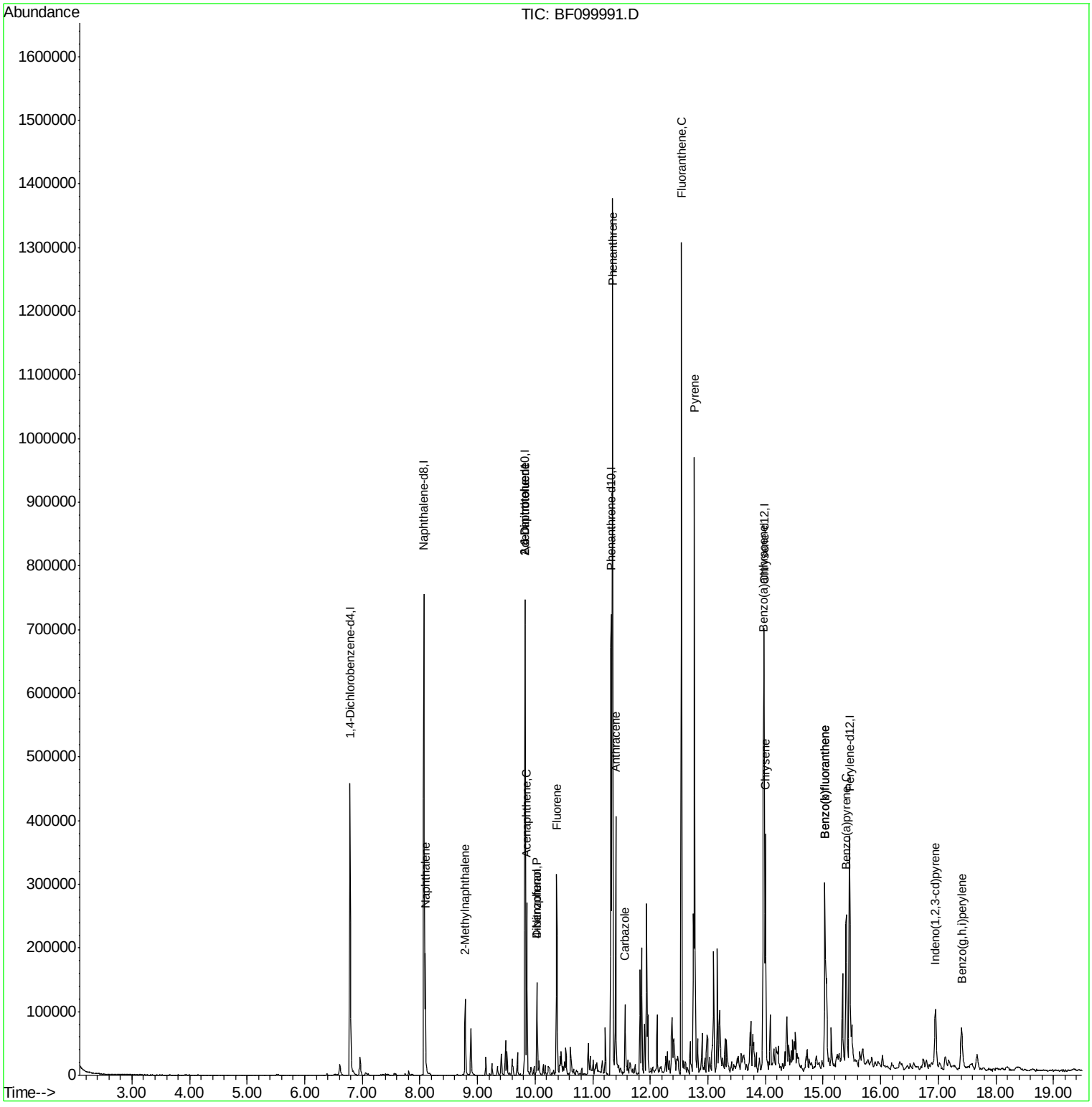
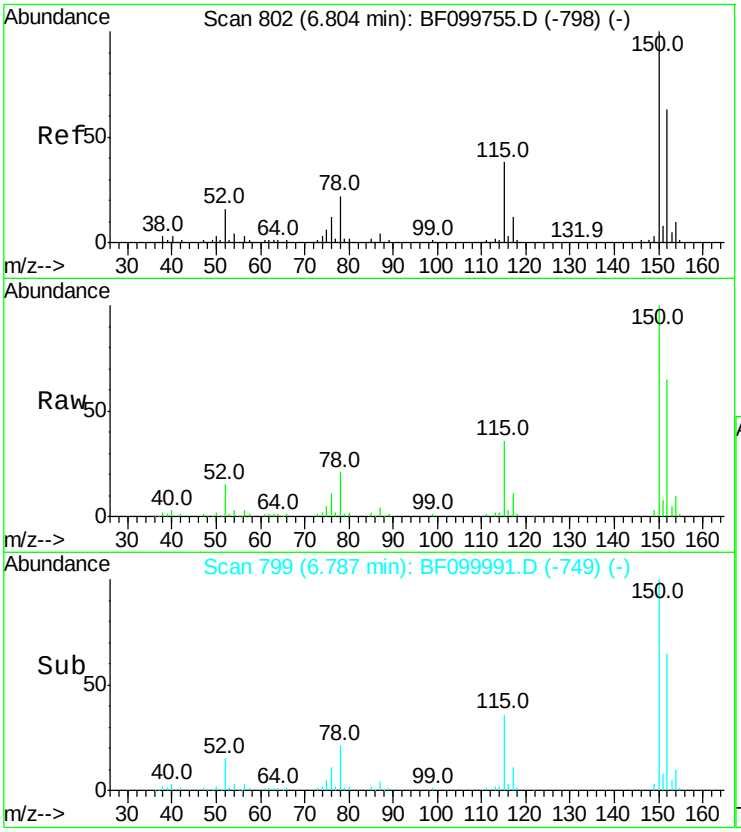


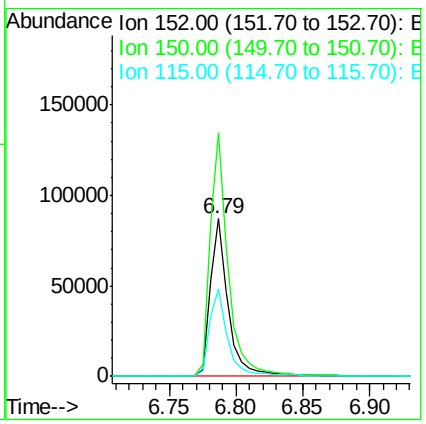


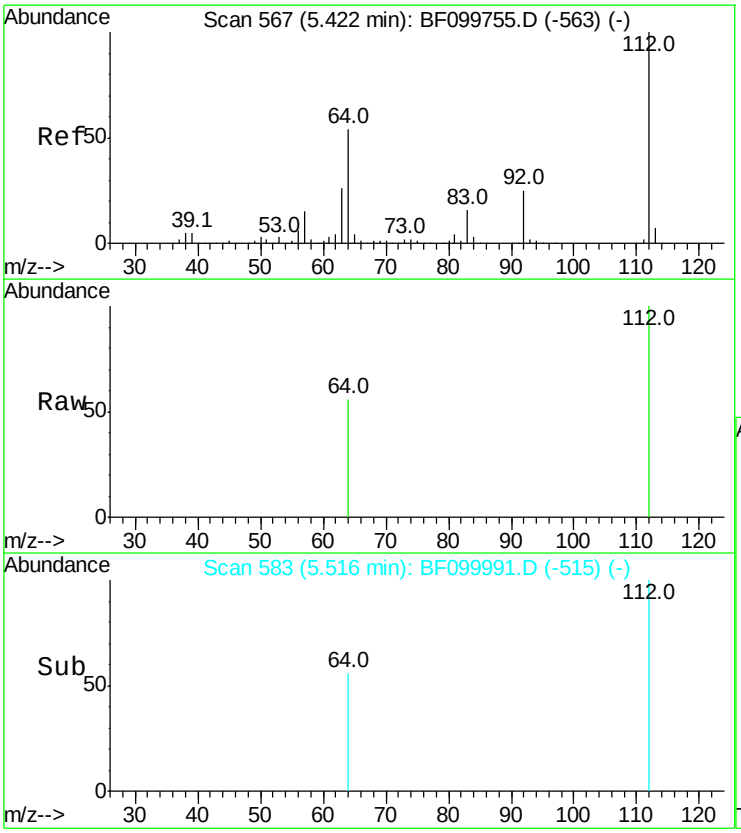
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 82898

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	55.6	50.1	75.1

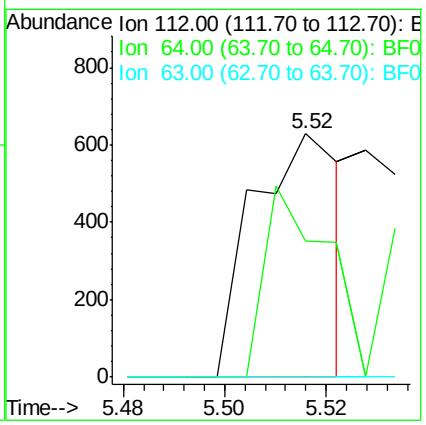


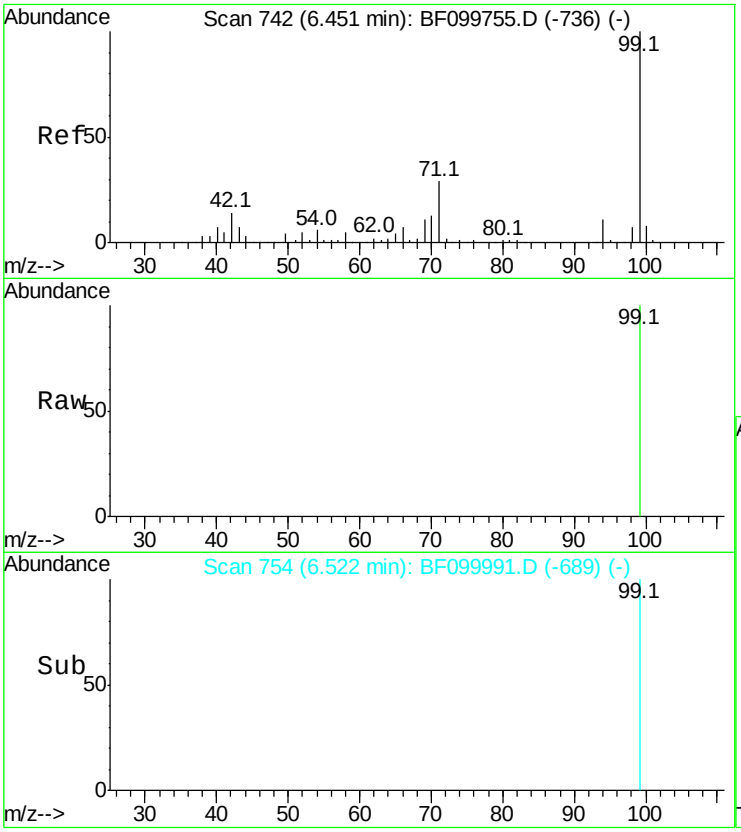


#5
2-Fluorophenol
Concen: 0.143 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.10 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:112 Resp: 757

Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	0.0	23.7	35.5#



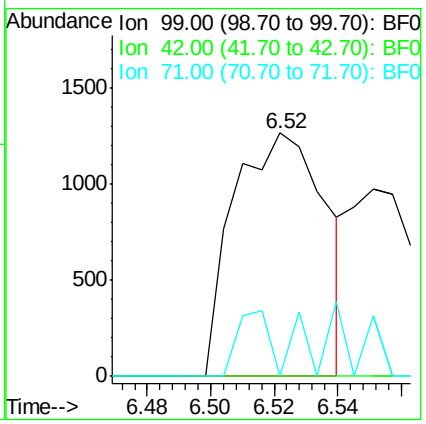


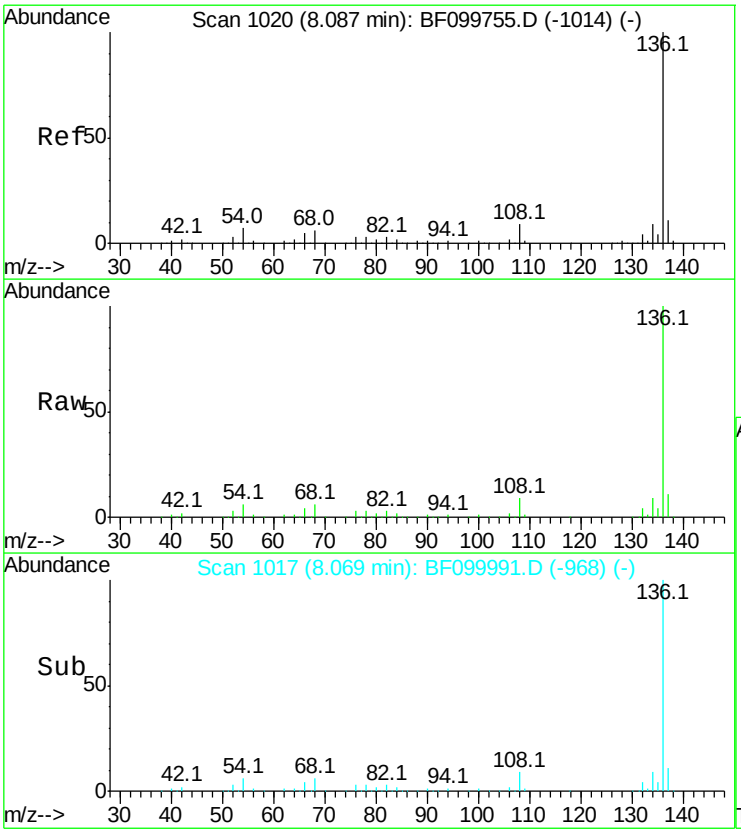
#7
Phenol-d6
Concen: 0.406 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.08 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 2541

Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

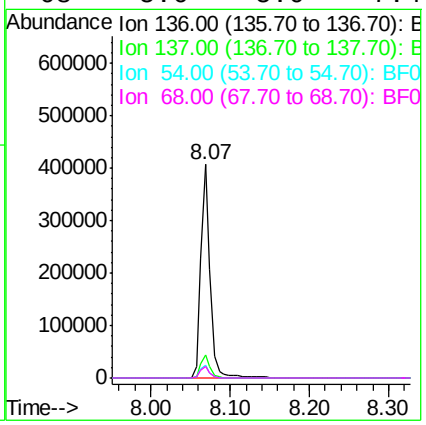


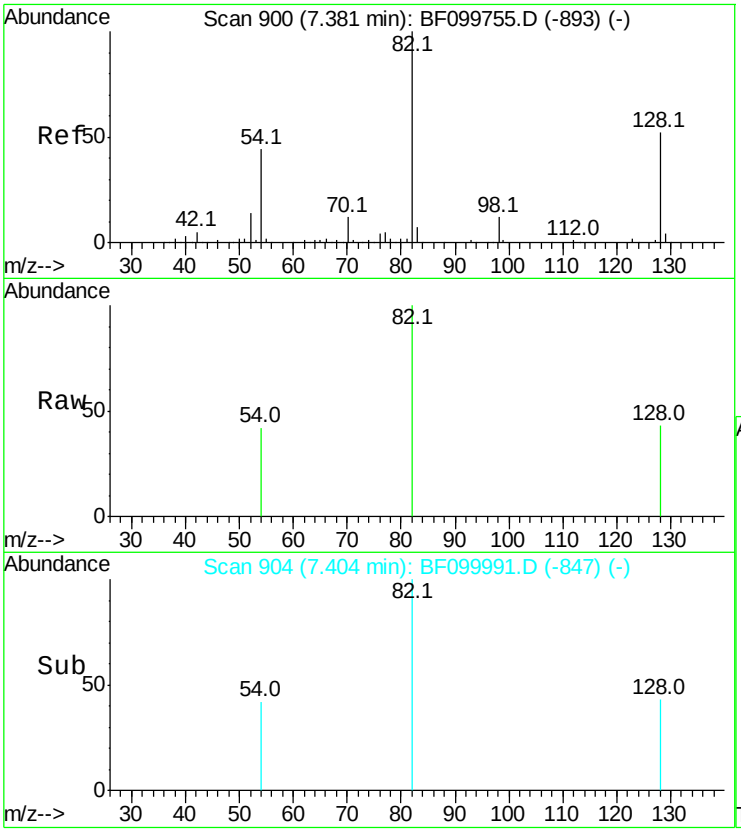


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:136 Resp: 339926

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.2	6.6	9.8#
68	5.6	5.0	7.4

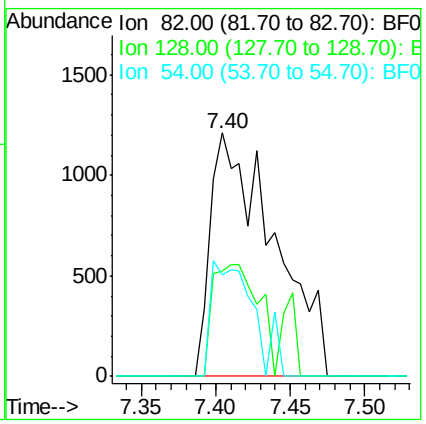




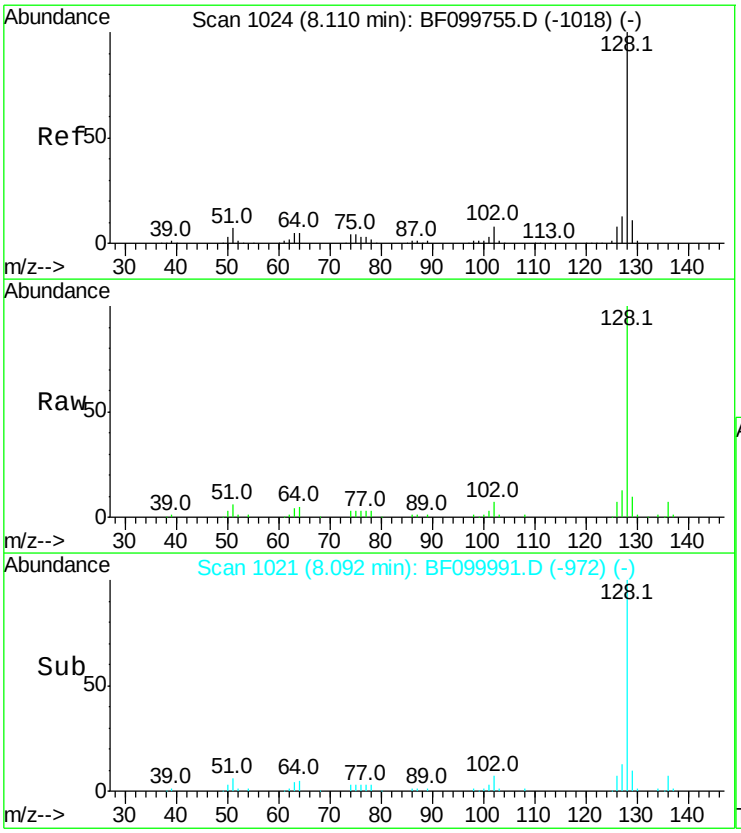
#23
Nitrobenzene-d5
Concen: 0.675 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.04 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion: 82 Resp: 3562

Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	41.9	41.4	62.2



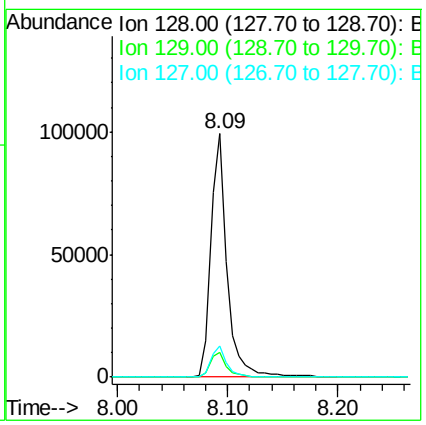
Instrument :
BNA_F
ClientSampleId :

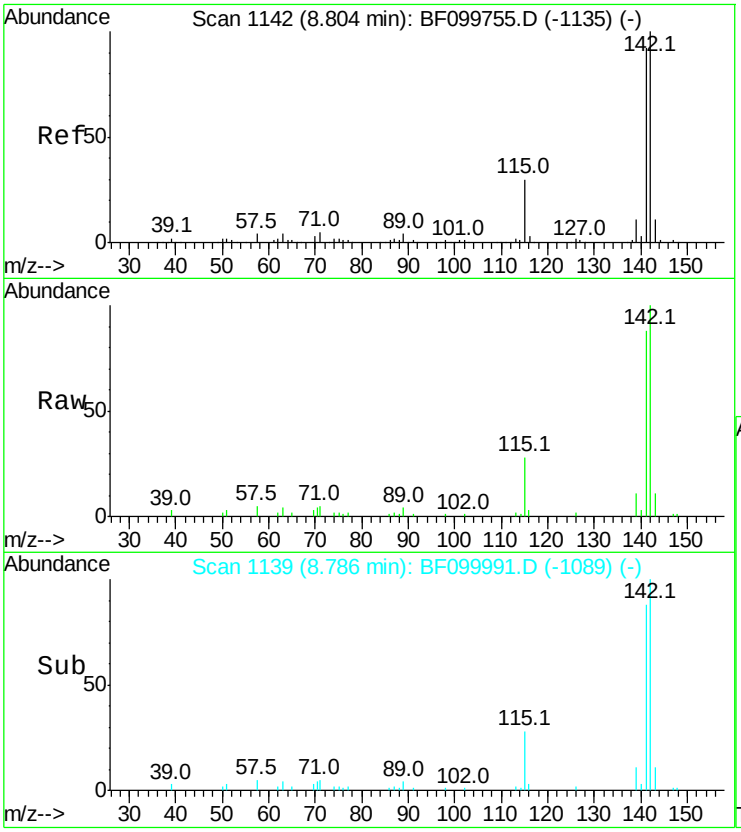


#31
Naphthalene
Concen: 6.023 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:128 Resp: 98829

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.8	10.9	16.3



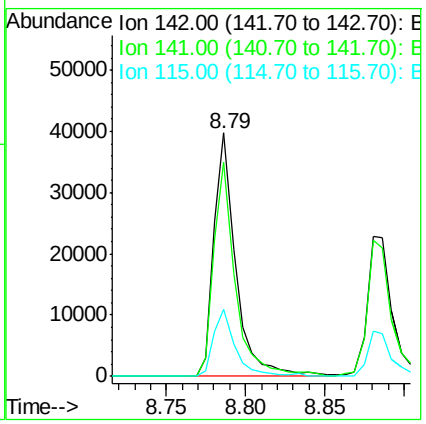


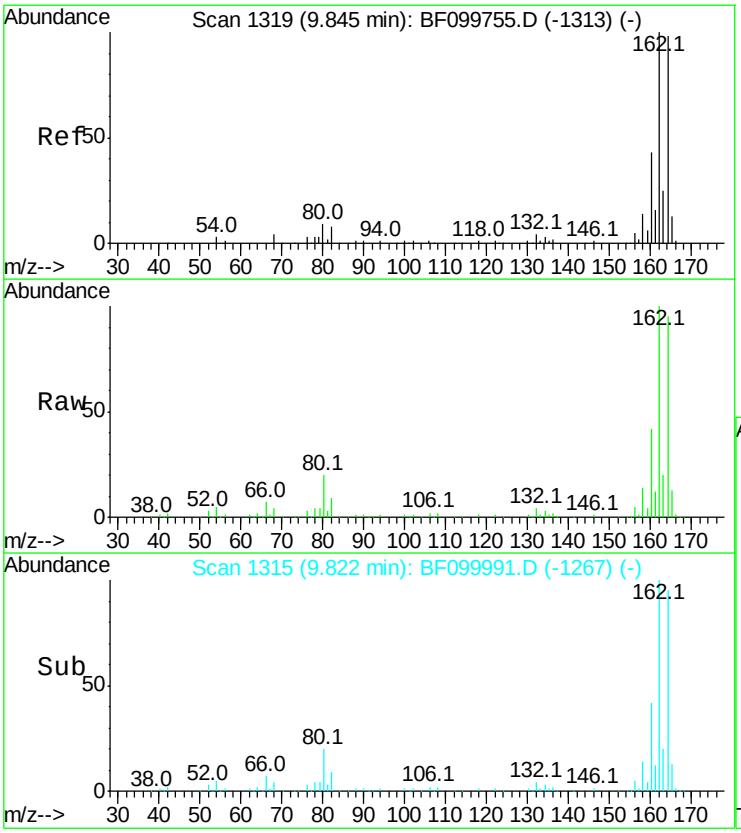
#37
2-Methylnaphthalene
Concen: 3.482 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 38293

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2
115	27.7	26.1	39.1

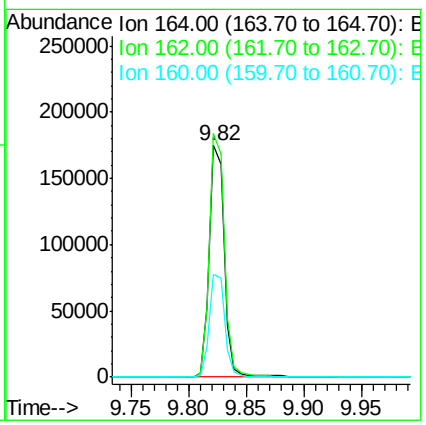


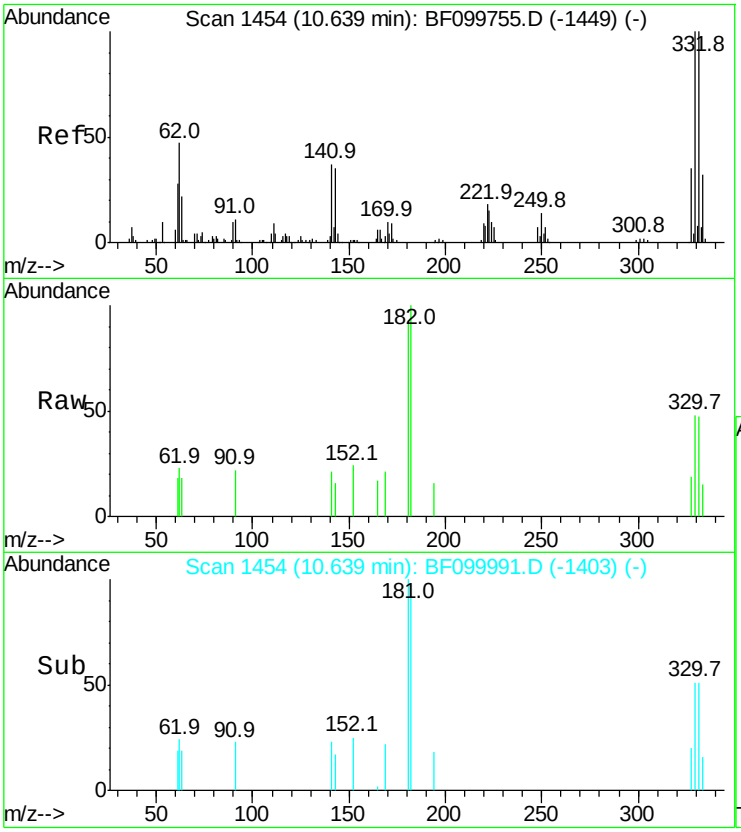


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:164 Resp: 158380

Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	44.5	38.3	57.5



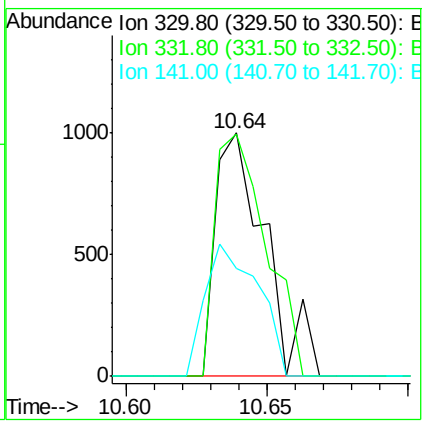


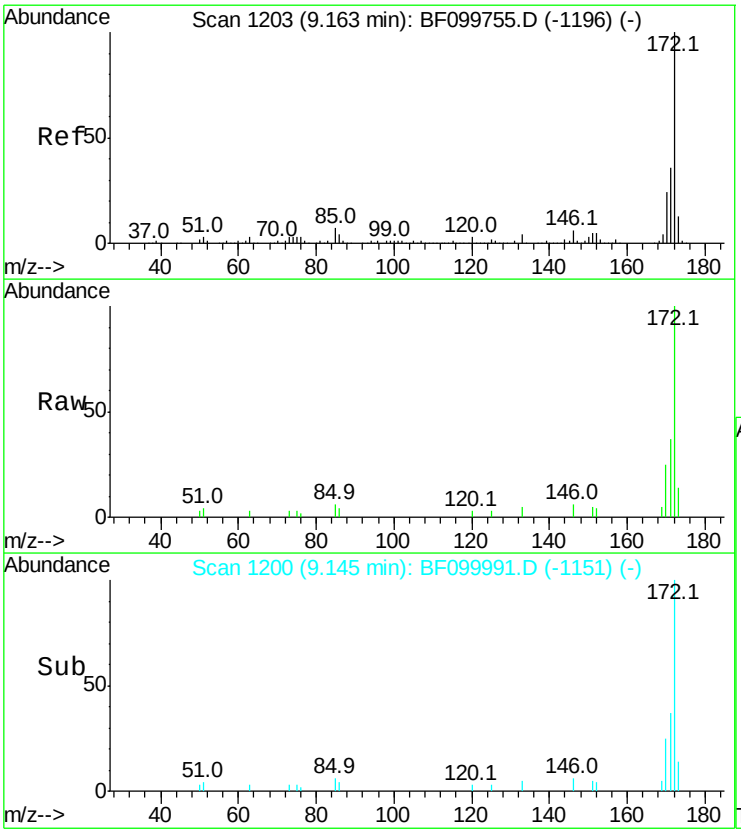
#41
2,4,6-Tribromophenol
Concen: 0.842 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 1215

Ion	Ratio	Lower	Upper
330	100		
332	102.8	77.0	115.6
141	58.4	29.9	44.9#

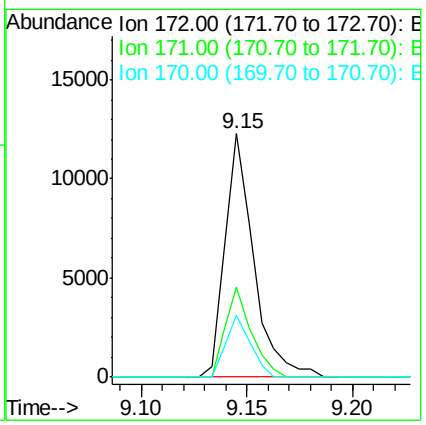


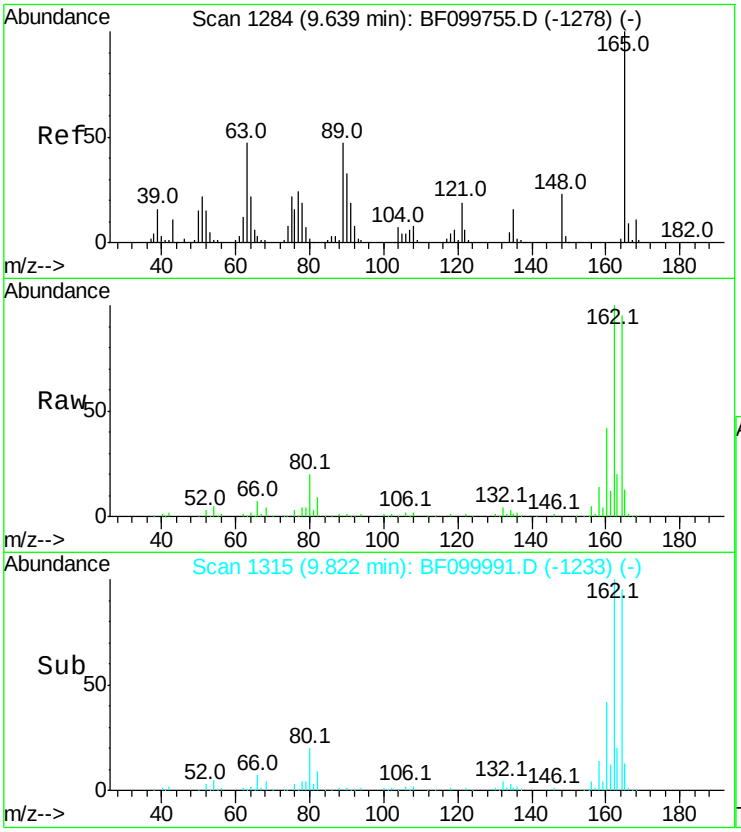


#44
2-Fluorobiphenyl
Concen: 1.117 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:172 Resp: 11469

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	25.2	19.6	29.4



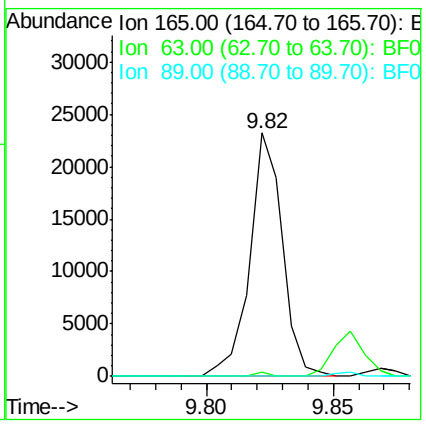


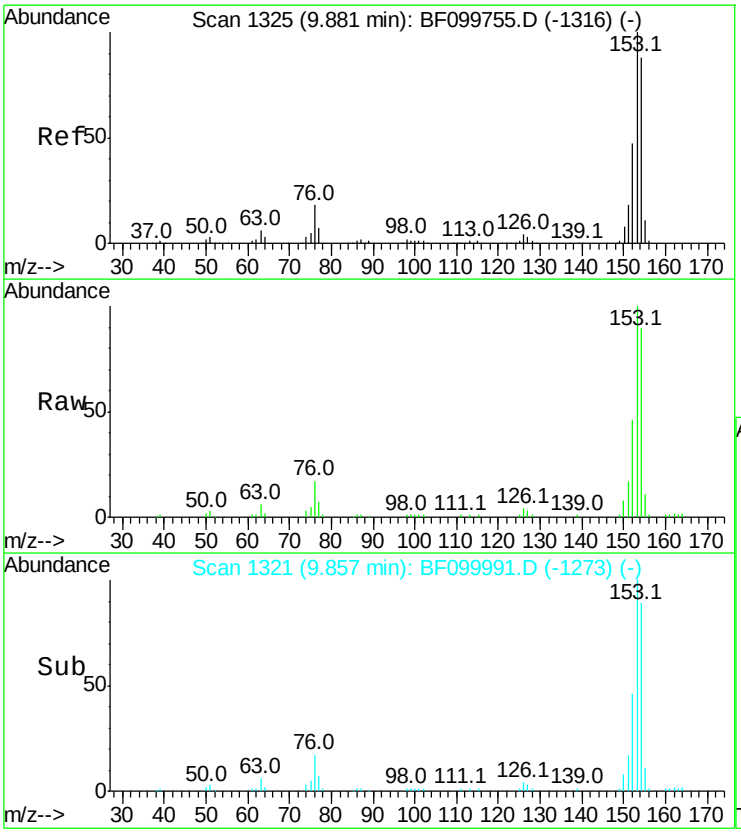
#50
2,6-Dinitrotoluene
Concen: 7.905 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.18 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20844

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	0.0	44.0	66.0#

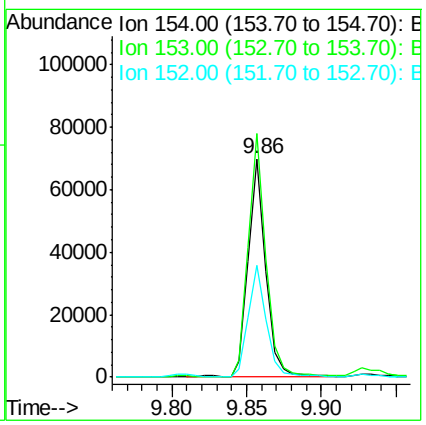


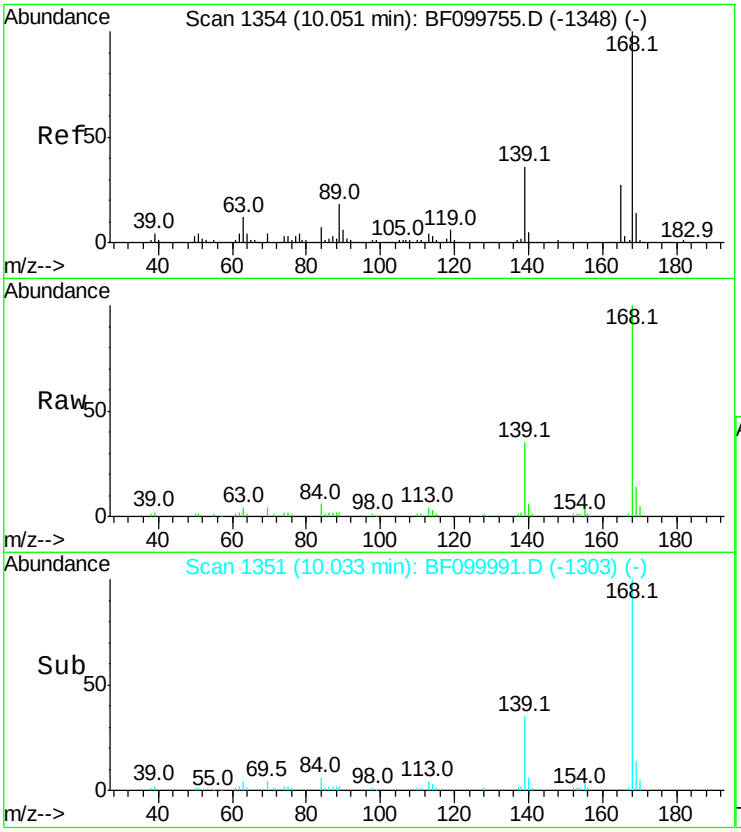


#51
Acenaphthene
Concen: 5.844 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:154 Resp: 57231

Ion	Ratio	Lower	Upper
154	100		
153	111.5	91.2	136.8
152	51.0	43.8	65.8



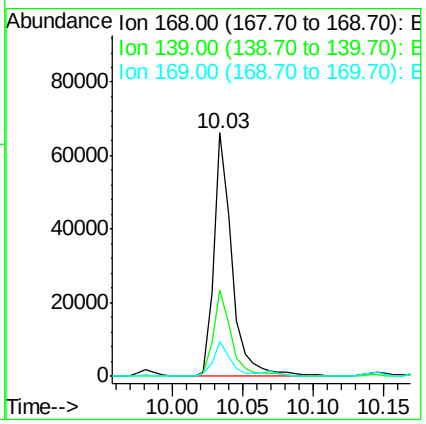


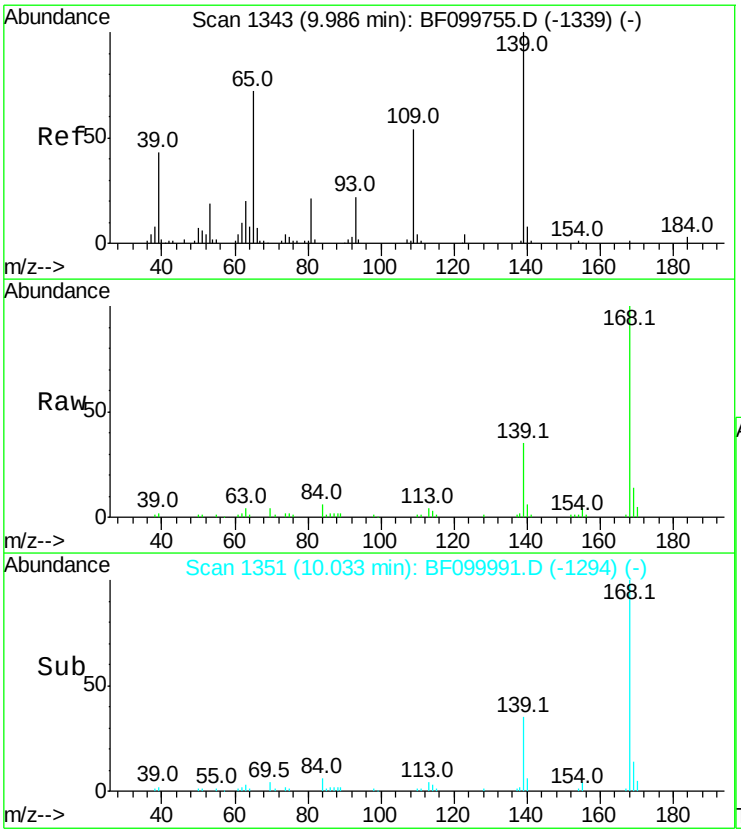
#54
Dibenzofuran
Concen: 4.243 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 58647

Ion	Ratio	Lower	Upper
168	100		
139	35.4	30.1	45.1
169	14.5	10.9	16.3

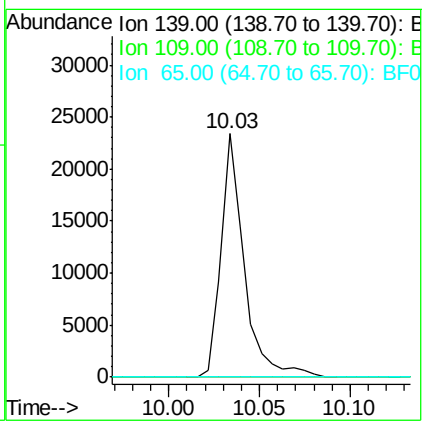


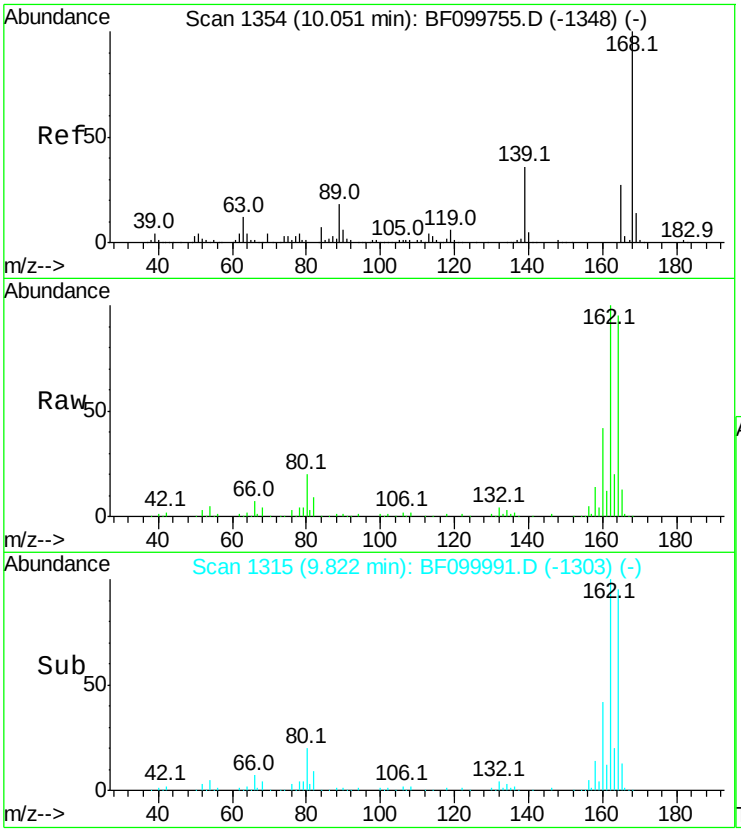


#55
4-Nitrophenol
Concen: 12.803 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.04 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:139 Resp: 20784

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



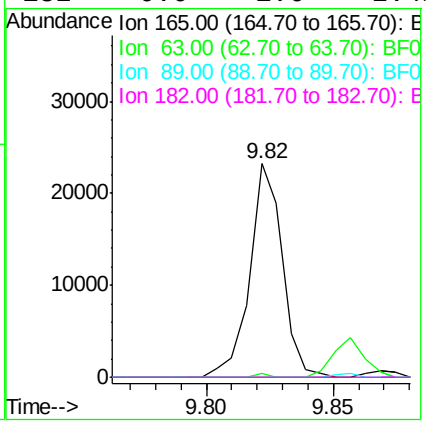


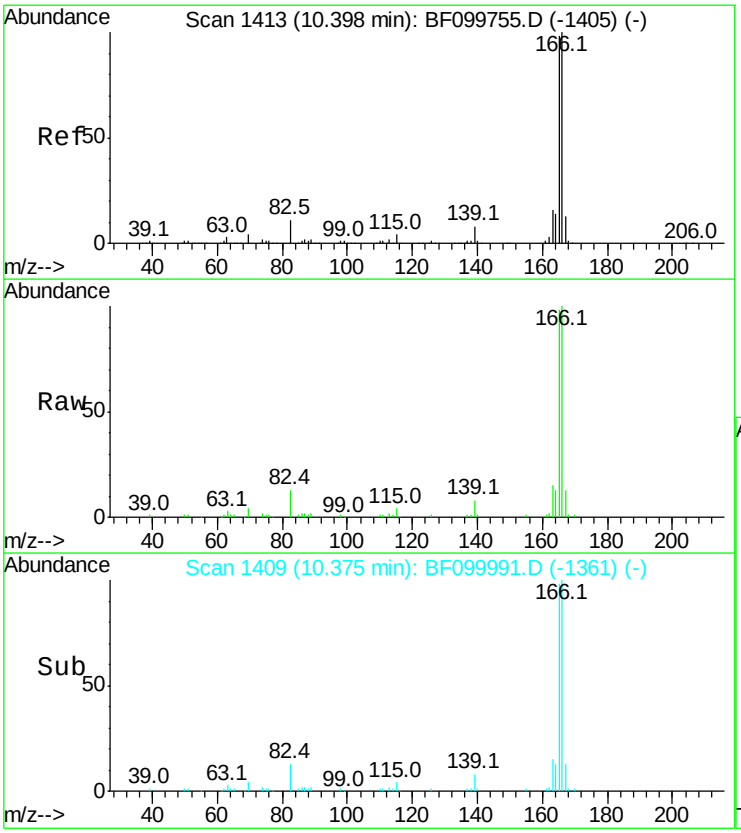
#56
2,4-Dinitrotoluene
Concen: 6.564 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.23 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20844

Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

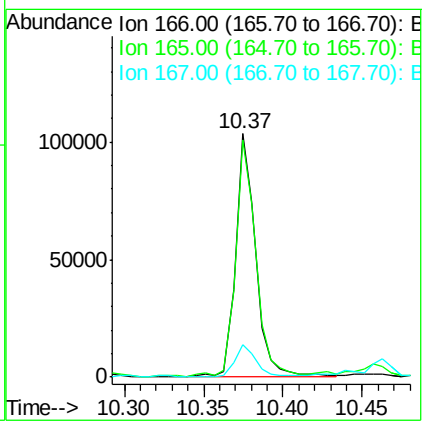


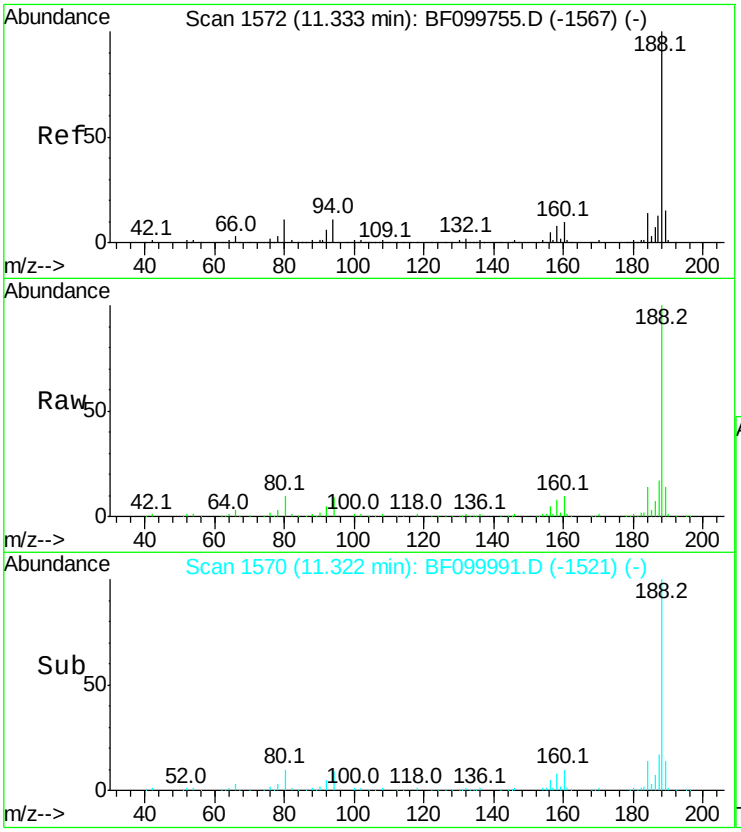


#57
Fluorene
Concen: 7.995 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:166 Resp: 91496

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.8	119.8
167	13.5	10.6	16.0



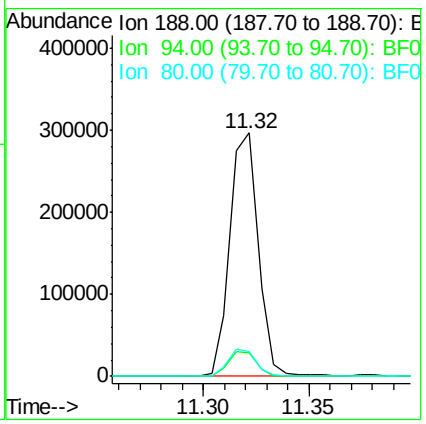


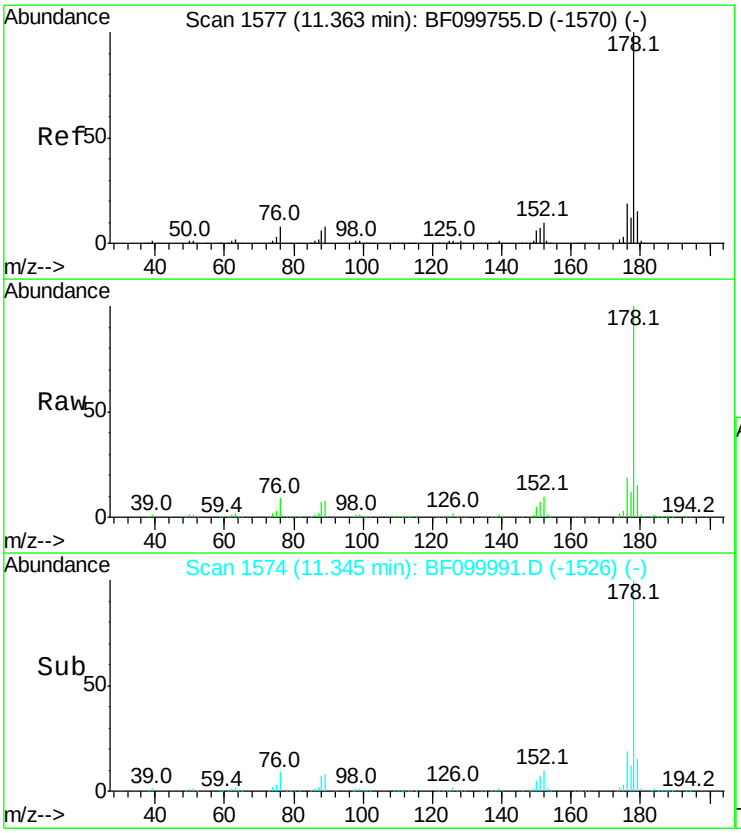
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 275492

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.1	9.2	13.8

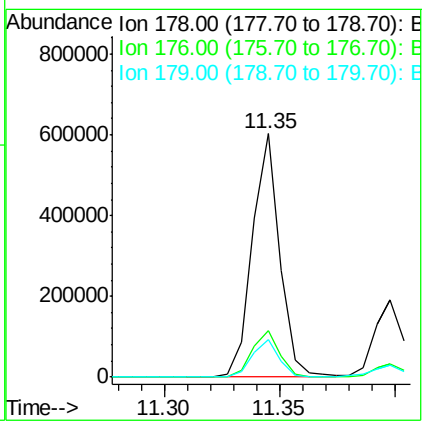


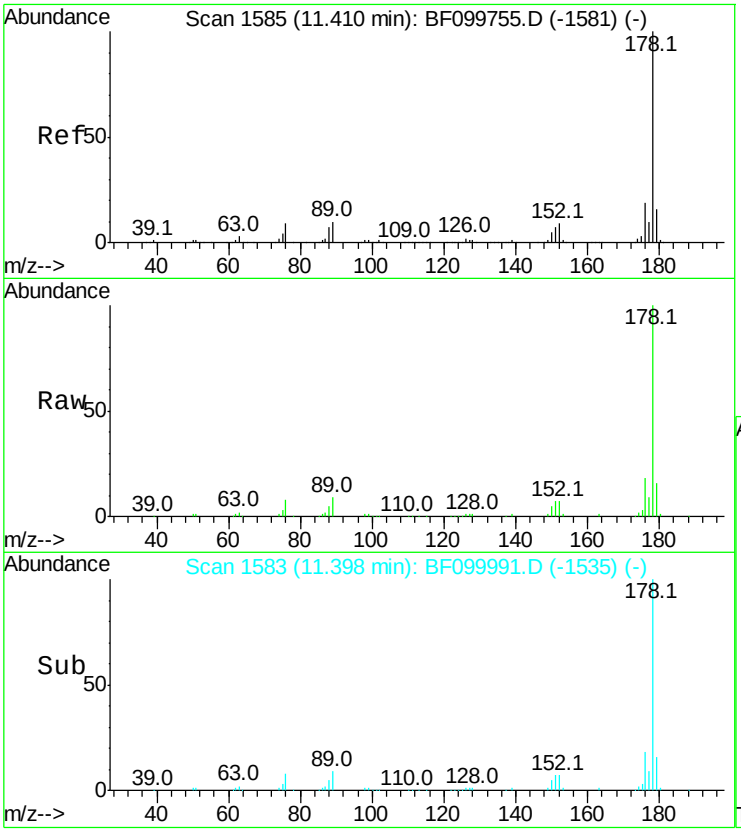


#70
Phenanthrene
Concen: 32.153 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:178 Resp: 499896

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.4	13.0	19.6



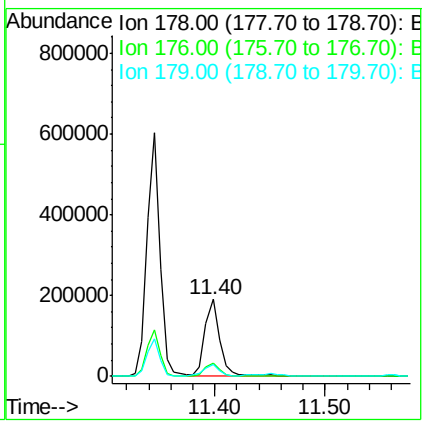


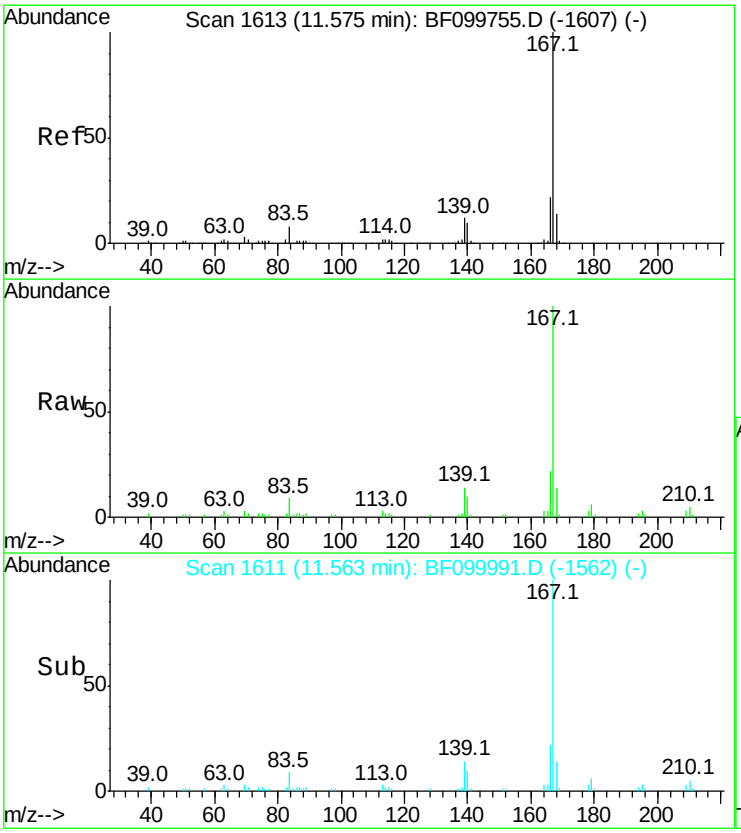
#71
Anthracene
Concen: 11.178 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 176406

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.7	12.6	19.0

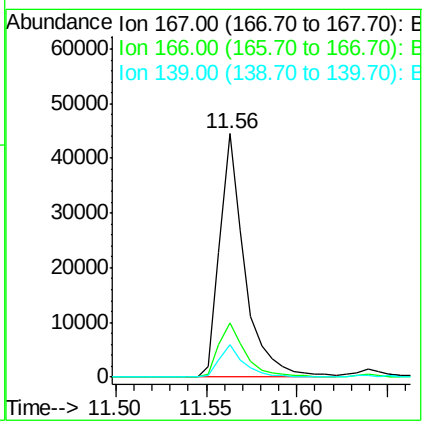


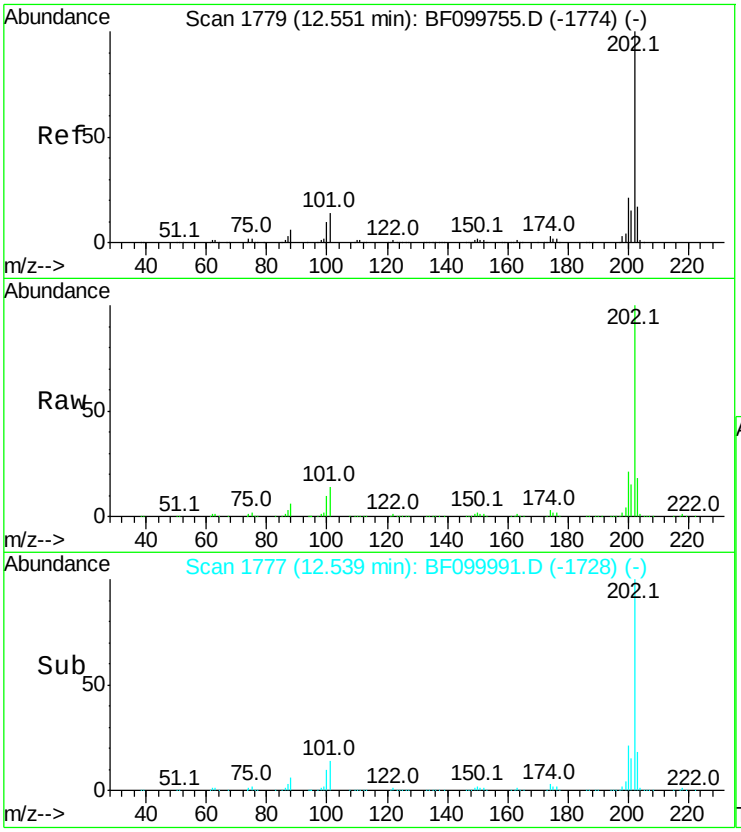


#72
Carbazole
Concen: 2.878 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:167 Resp: 42710

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.5	10.9	16.3



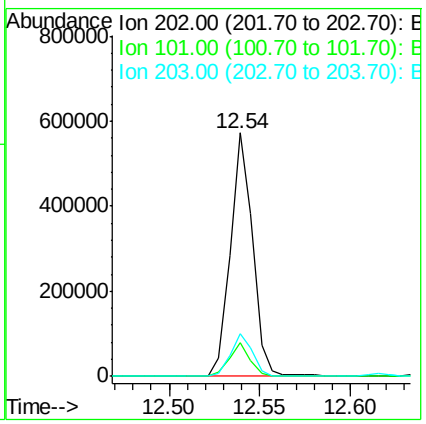


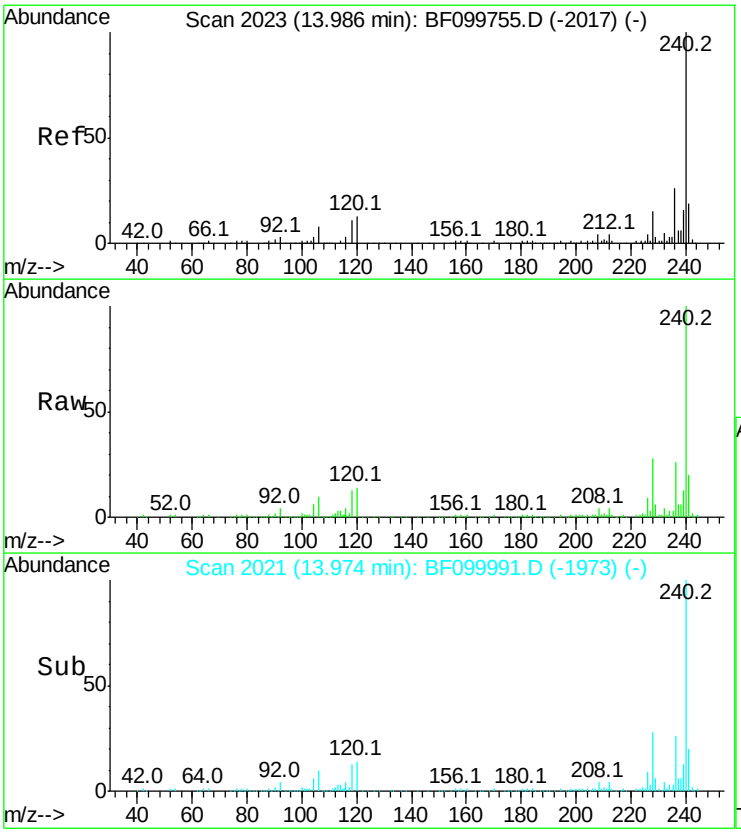
#74
Fluoranthene
Concen: 30.308 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 489699

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.7	0.0	38.1

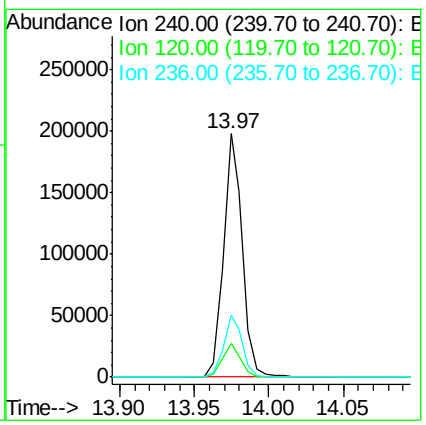


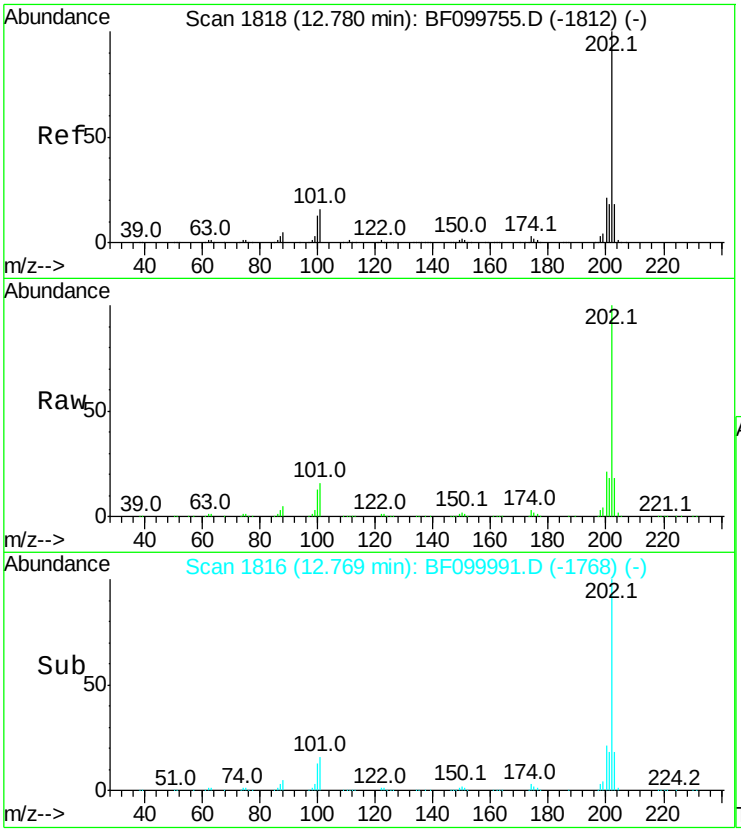


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:240 Resp: 176380

Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	25.6	20.7	31.1



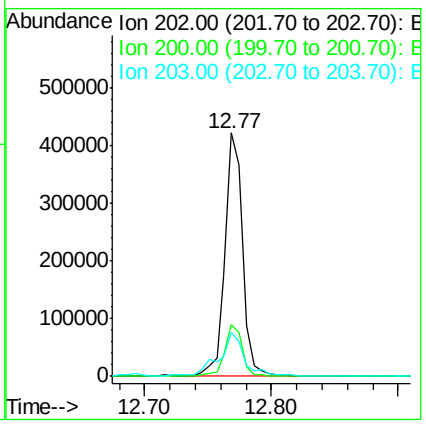


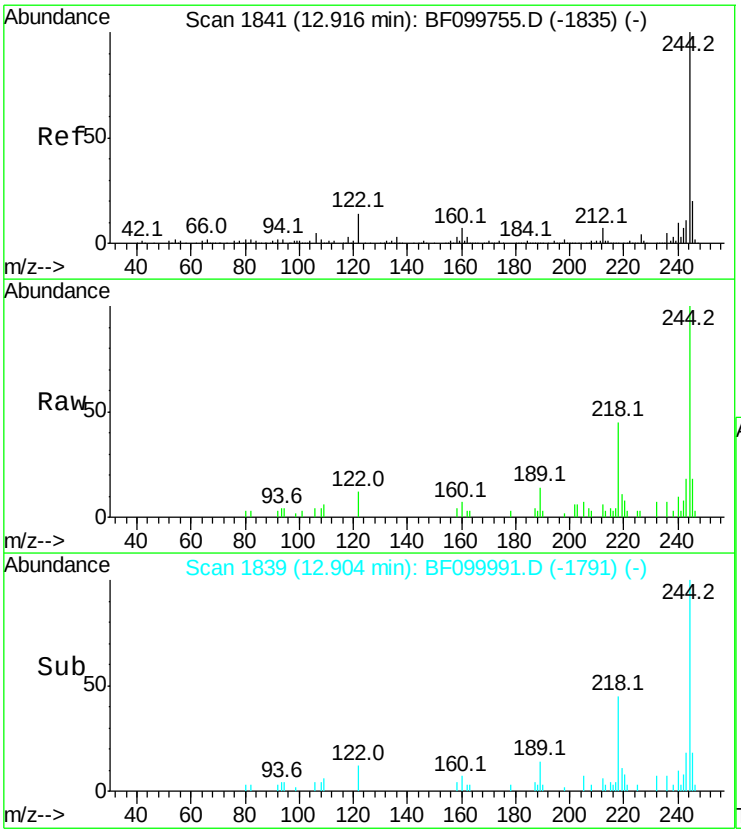
#77
Pyrene
Concen: 30.028 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 402728

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5

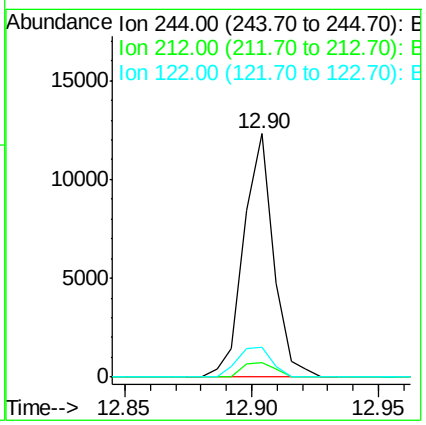


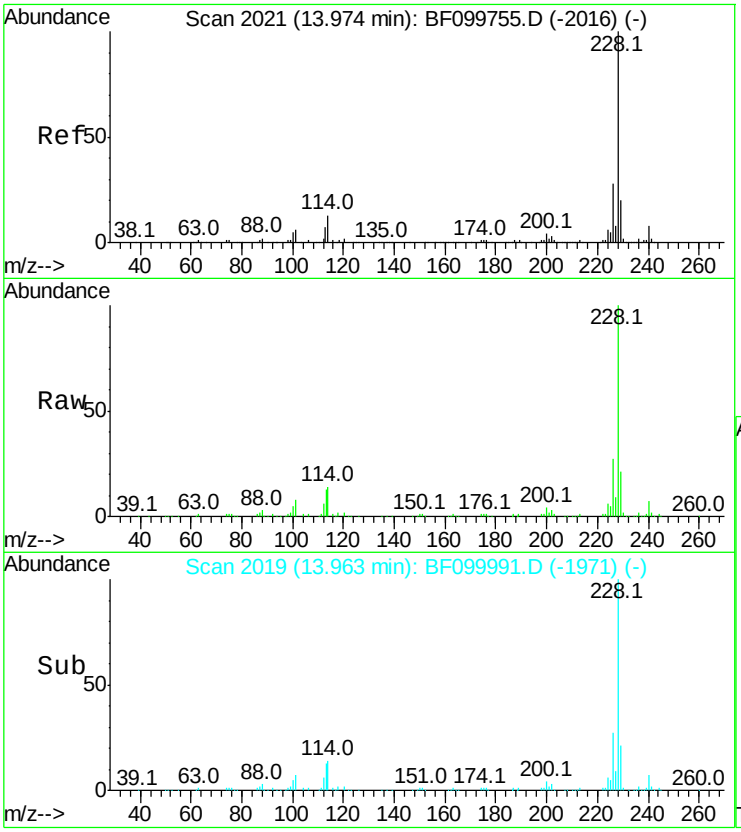


#78
Terphenyl-d14
Concen: 1.249 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:244 Resp: 10077

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	12.3	11.0	16.4



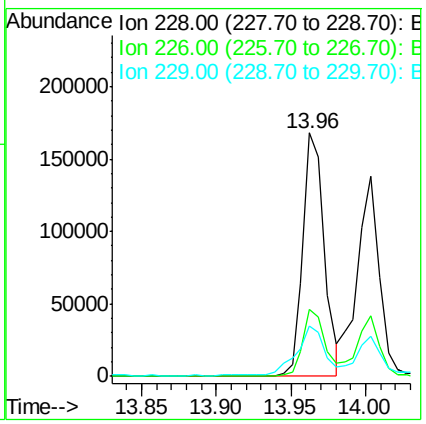


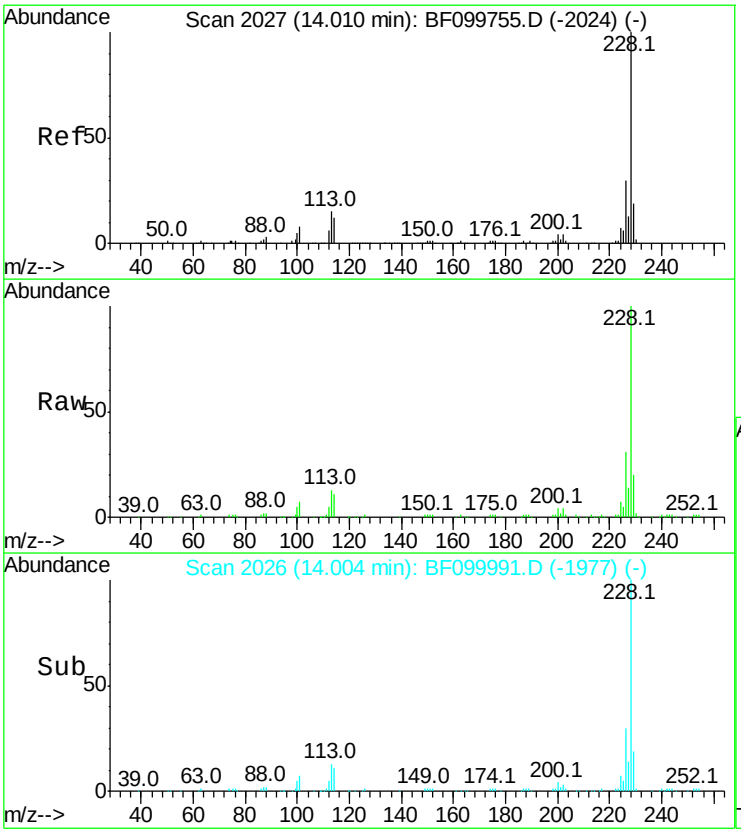
#80
Benzo(a)anthracene
Concen: 15.052 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 168298

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.9	15.8	23.6

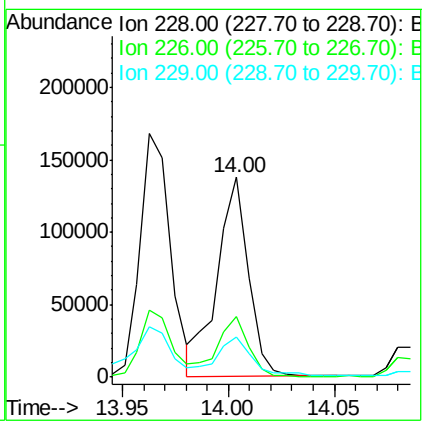


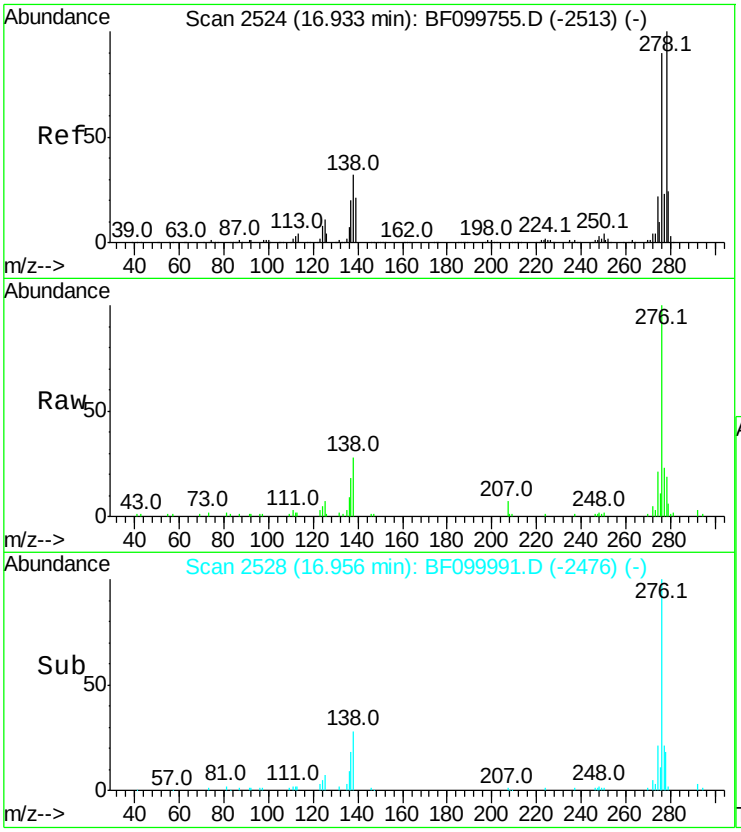


#82
Chrysene
Concen: 13.356 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:228 Resp: 140397

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	19.9	16.2	24.4



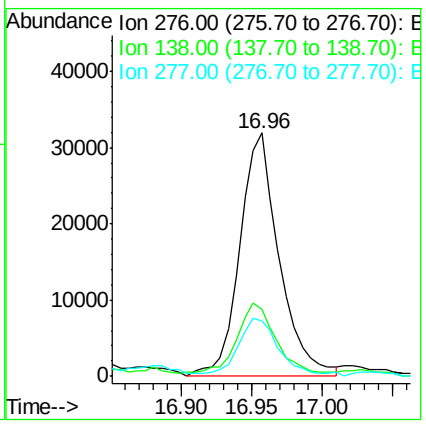


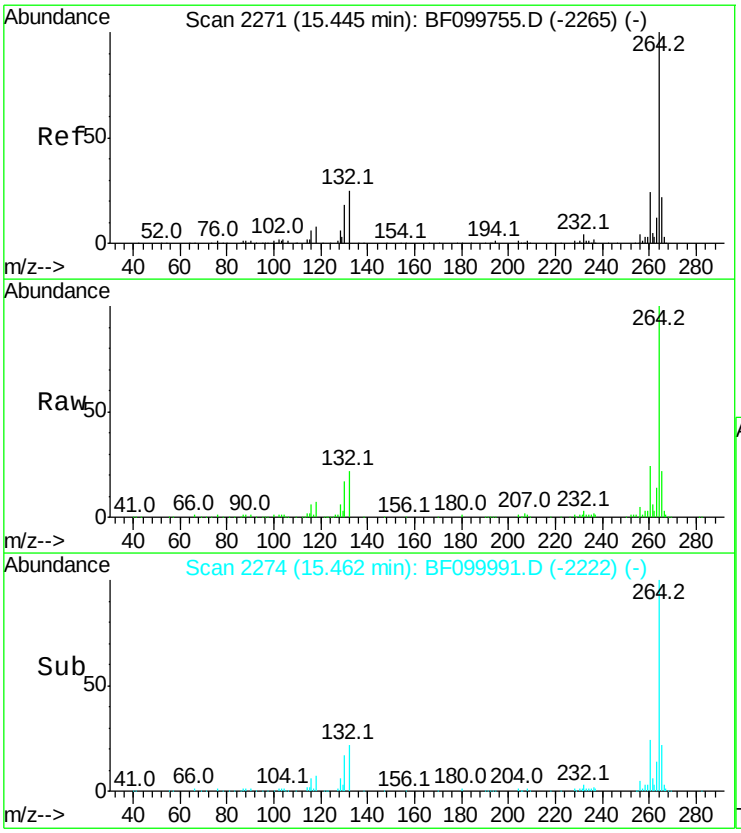
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.476 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 62495

Ion	Ratio	Lower	Upper
276	100		
138	32.1	25.0	37.6
277	24.9	20.1	30.1

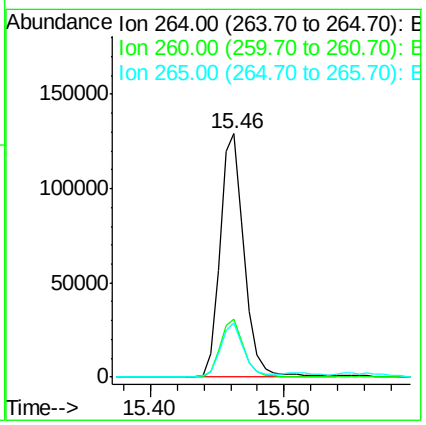


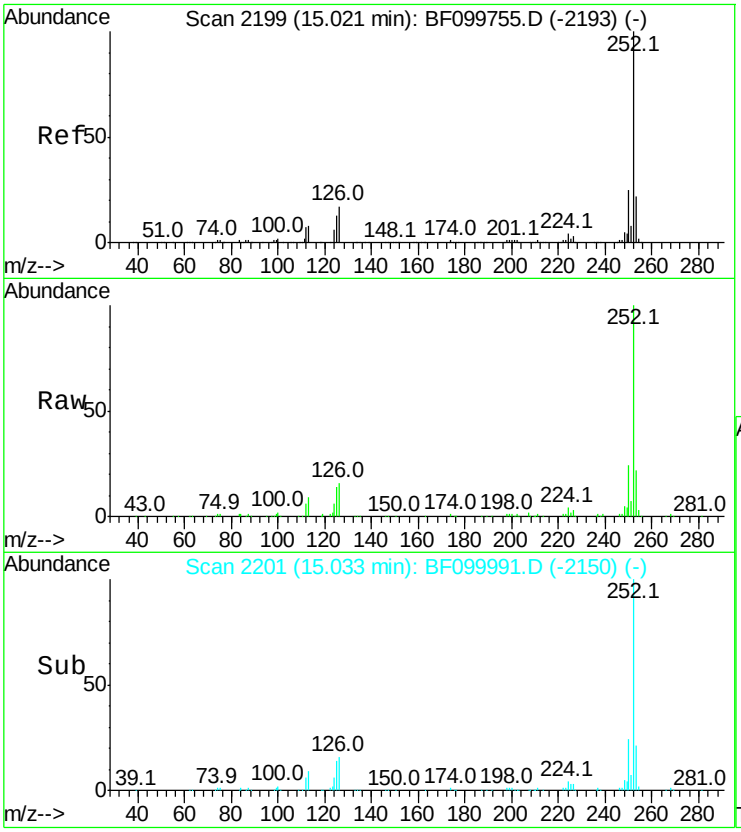


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:264 Resp: 163698

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.3	17.5	26.3



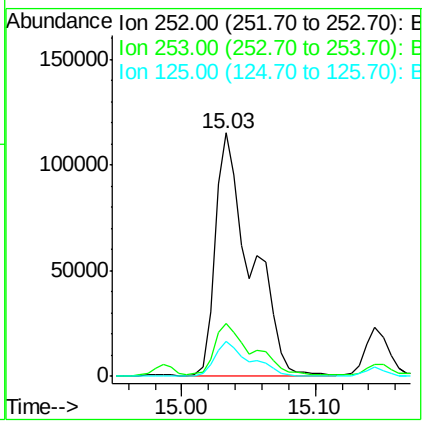


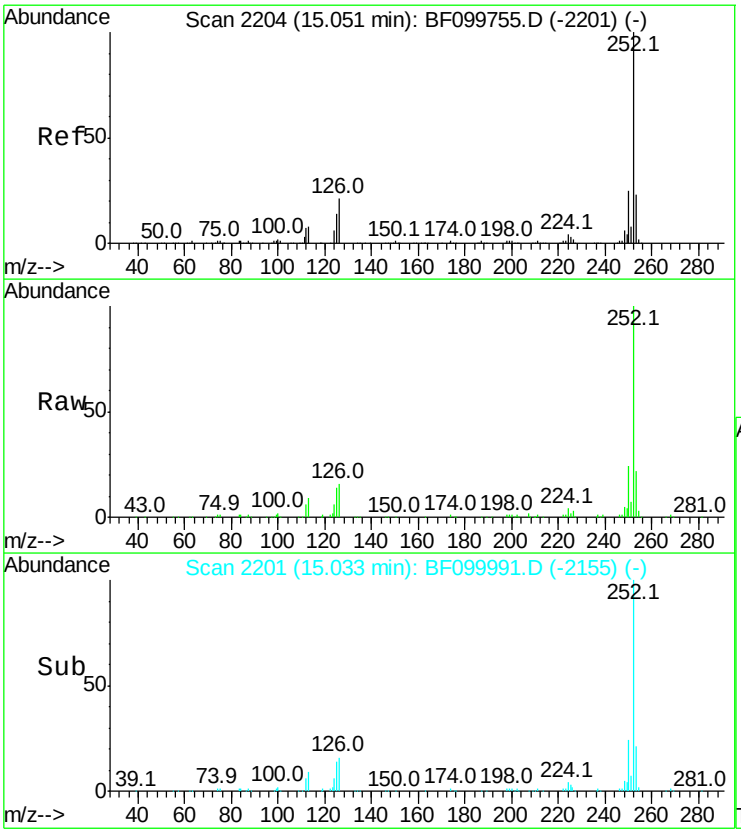
#87
Benzo(b)fluoranthene
Concen: 20.547 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 212393

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	14.2	9.0	13.6#

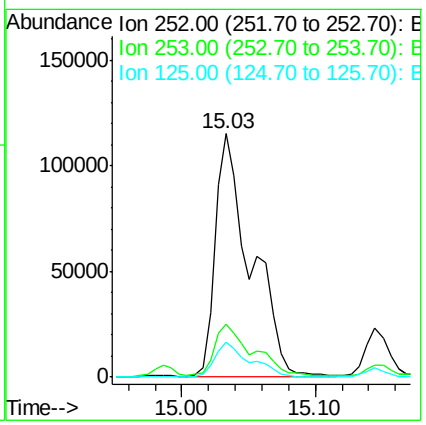


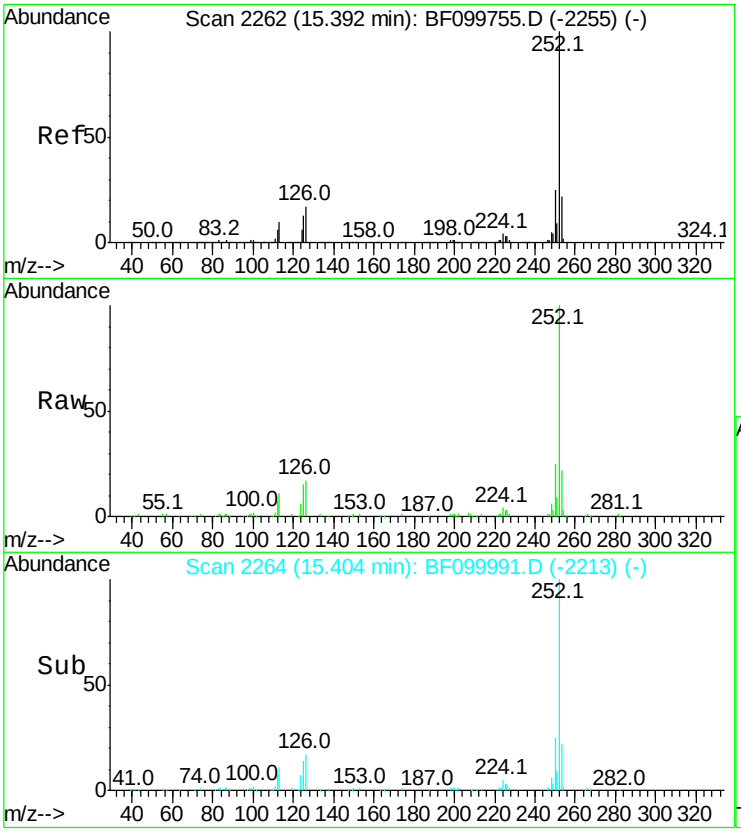


#88
Benzo(k)fluoranthene
Concen: 21.790 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:252 Resp: 212393

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	14.2	10.2	15.2



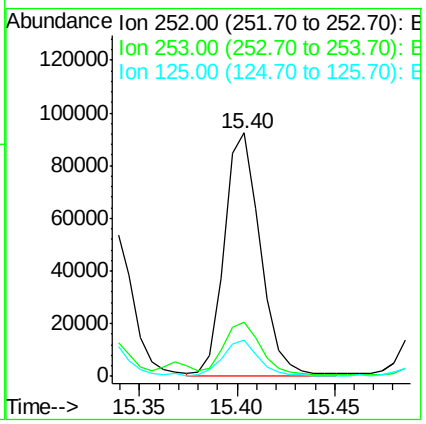


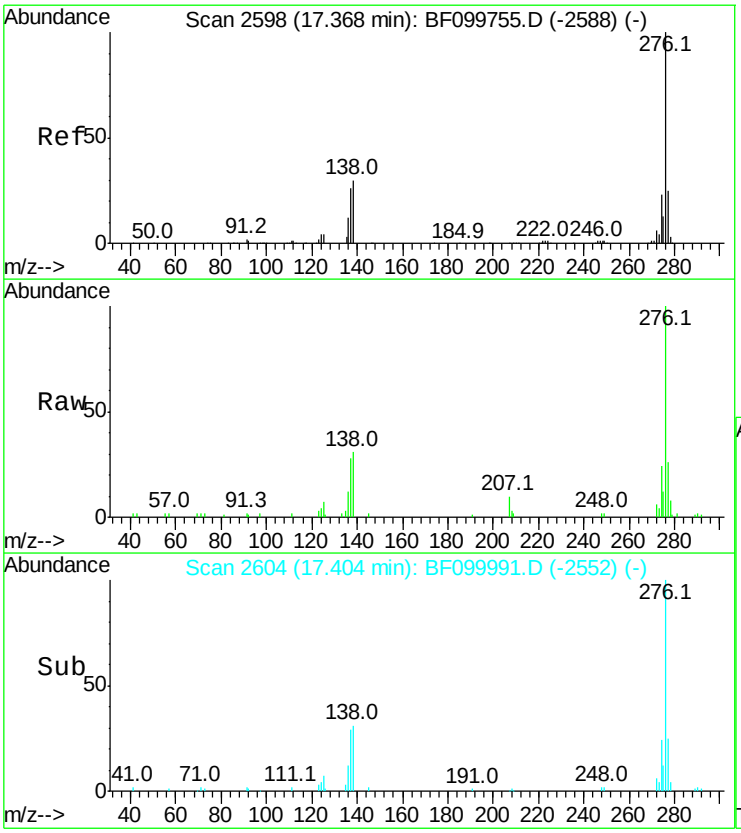
#89
Benzo(a)pyrene
Concen: 12.625 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

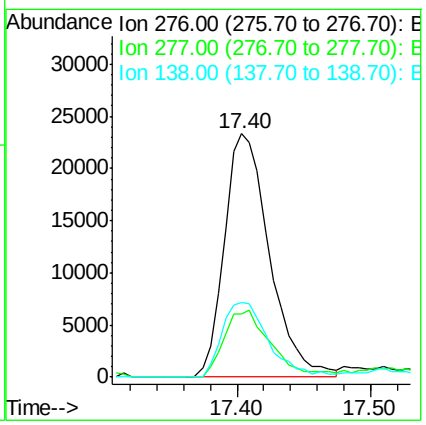
Tgt Ion:252 Resp: 117230

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.7	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 6.789 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF099991.D
Acq: 31 Oct 2017 5:52

Tgt Ion:276 Resp: 54801

Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	30.5	21.8	32.8