Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076888.D
Acq On : 15 Jan 2015 17:23
Operator : IZ / TP
Sample : G1030-12 5X
Misc : S
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP4-SS-3(6-8)

Quant Time: Jan 16 10:28:09 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 15 11:52:04 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	27398	20.00	ng		0.00
21) Naphthalene-d8	10.93	136	113724	20.00	ng		0.00
38) Acenaphthene-d10	15.07	164	60360	20.00	ng		-0.01
63) Phenanthrene-d10	17.81	188	98159	20.00	ng		-0.01
75) Chrysene-d12	21.31	240	106261	20.00	ng		0.00
86) Perylene-d12	22.97	264	101608	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	40741	24.45	ng		0.01
7) Phenol-d6	7.42	99	50100	23.83	ng		0.00
23) Nitrobenzene-d5	9.32	82	30808	15.01	ng		0.00
41) 2,4,6-Tribromophenol	16.72	330	10229	20.88	ng		0.00
44) 2-Fluorobiphenyl	13.58	172	56245	14.18	ng		-0.01
78) Terphenyl-d14	20.04	244	55798	12.09	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	14.71	152	13738	2.21	ng		97
51) Acenaphthene	15.13	154	7516	2.13	ng		96
57) Fluorene	16.27	166	9312	2.14	ng	#	96
70) Phenanthrene	17.84	178	146317	23.90	ng		99
71) Anthracene	17.92	178	41696	6.99	ng		98
72) Carbazole	18.21	167	14354	2.48	ng		98
74) Fluoranthene	19.49	202	285424	45.50	ng		97
77) Pyrene	19.77	202	237763	32.65	ng	#	96
80) Benzo(a)anthracene	21.29	228	143850	21.58	ng		98
82) Chrysene	21.34	228	105462	17.35	ng		96
85) Indeno(1,2,3-cd)pyrene	24.09	276	67448m	10.47	ng		
87) Benzo(b)fluoranthene	22.55	252	159245m	23.27	ng		
88) Benzo(k)fluoranthene	22.59	252	36108m	6.04	ng		
89) Benzo(a)pyrene	22.91	252	101185	16.76	ng	#	97
90) Dibenzo(a,h)anthracene	24.12	278	13684m	2.47	ng		
91) Benzo(g,h,i)perylene	24.39	276	56883	10.33	ng	#	93

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

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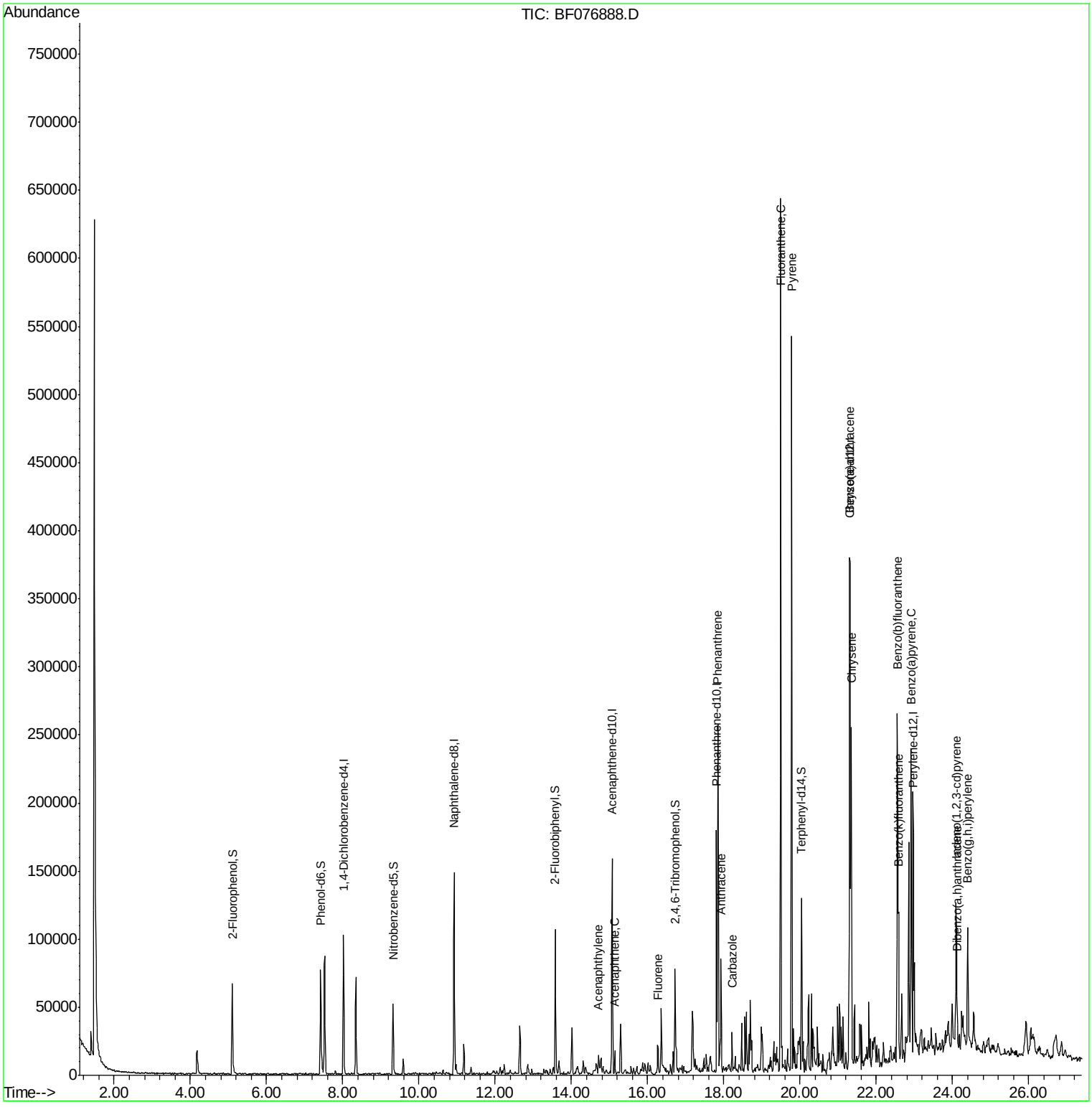
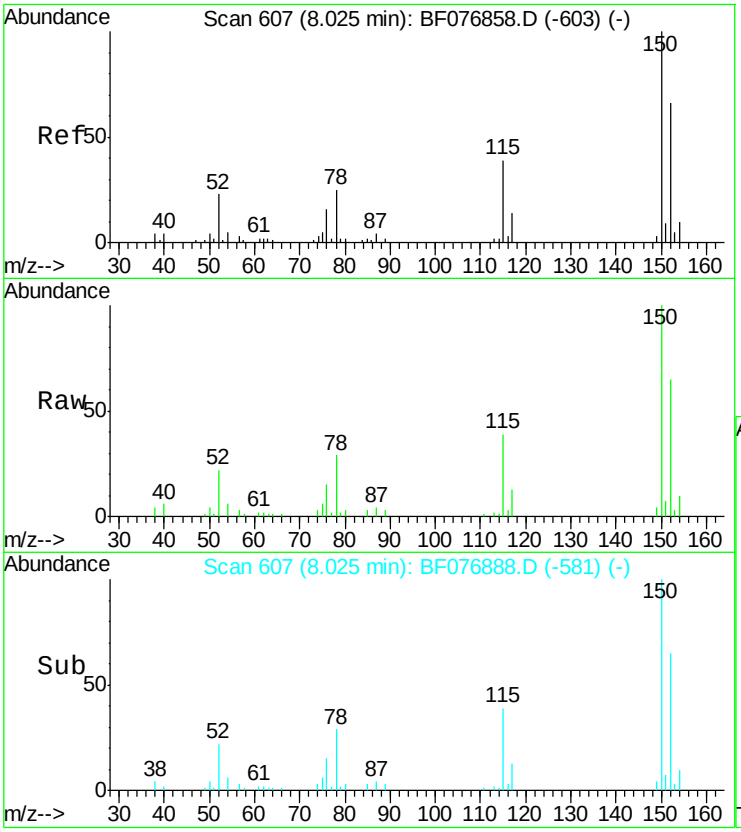


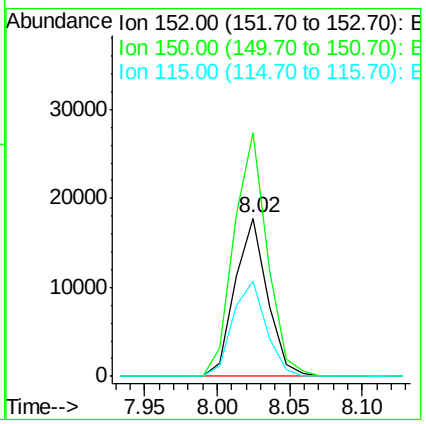


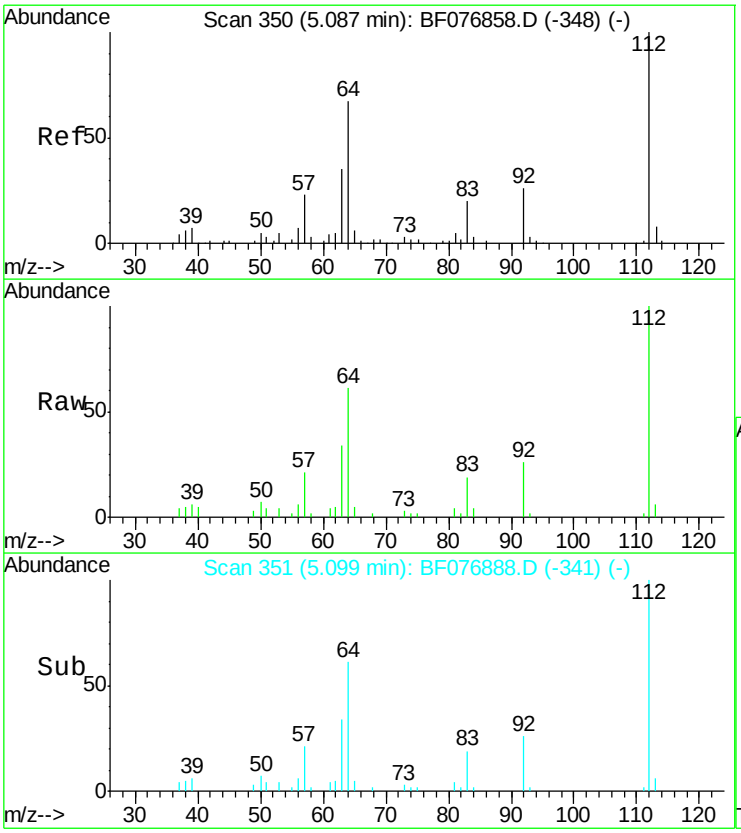
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:152 Resp: 27398

Ion	Ratio	Lower	Upper
152	100		
150	154.1	121.7	182.5
115	60.0	47.0	70.6

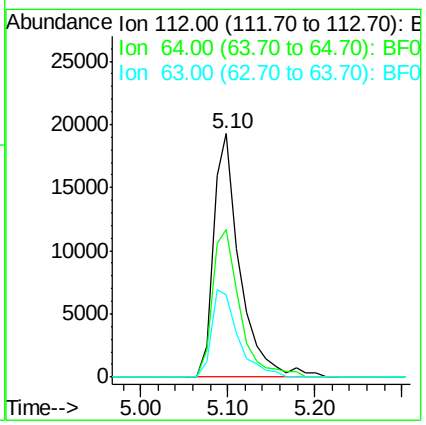


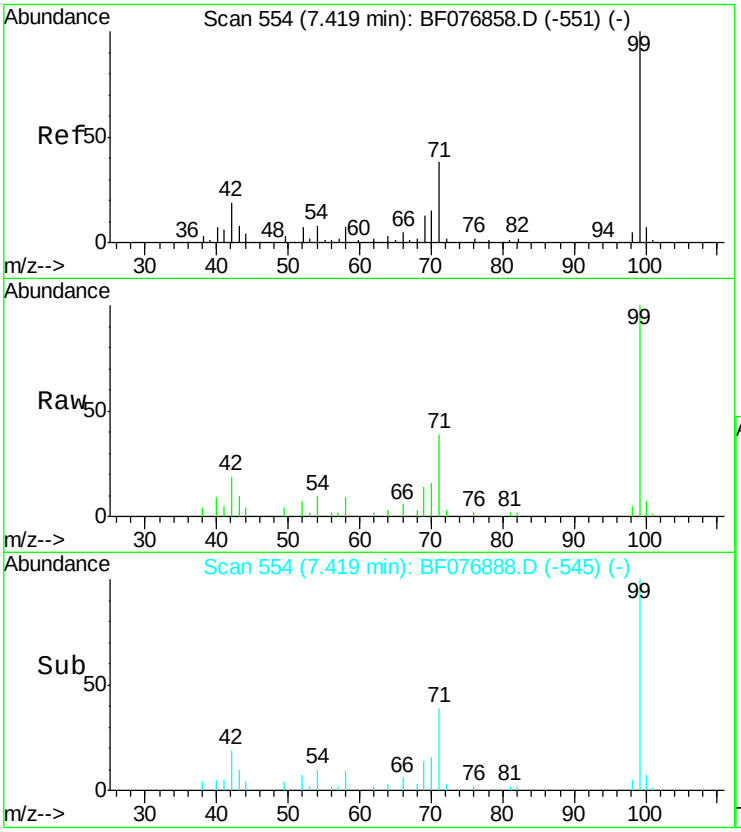


#5
2-Fluorophenol
Concen: 24.45 ng
RT: 5.10 min Scan# 351
Delta R.T. 0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:112 Resp: 40741

Ion	Ratio	Lower	Upper
112	100		
64	60.5	54.2	81.4
63	33.9	28.4	42.6



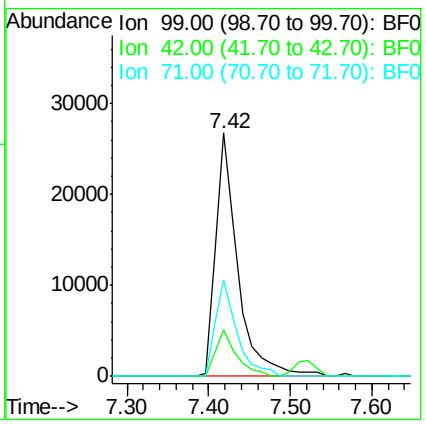


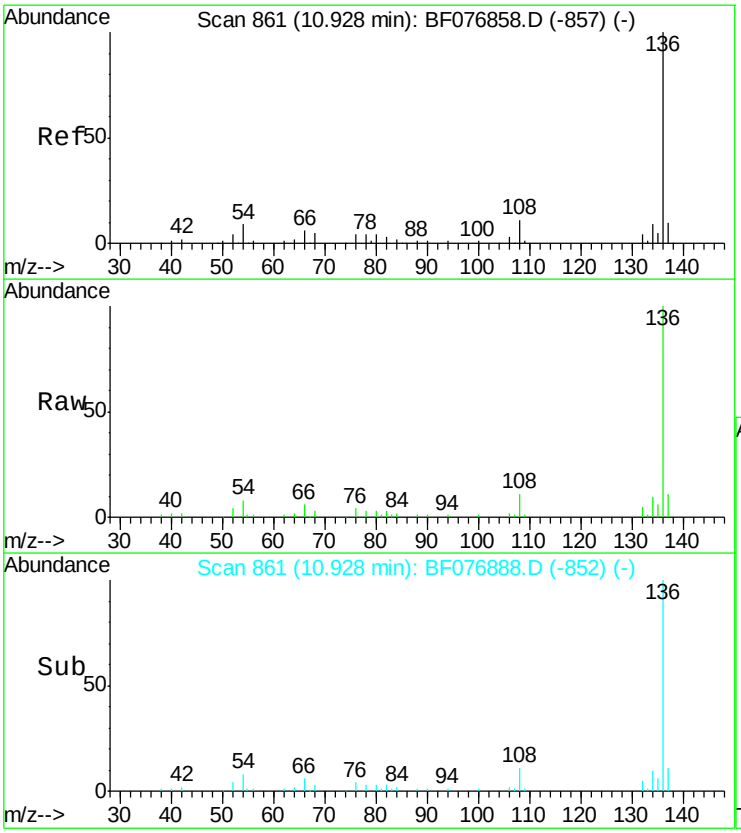
#7
Phenol-d6
Concen: 23.83 ng
RT: 7.42 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion: 99 Resp: 50100

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.0	22.4
71	39.4	30.5	45.7

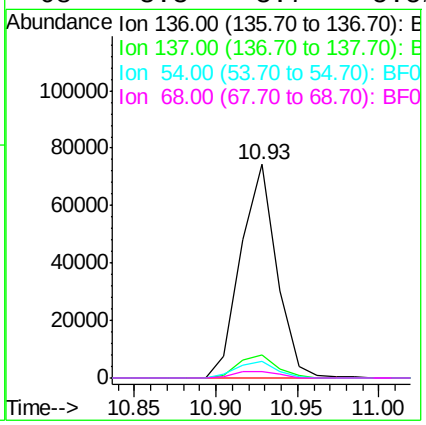


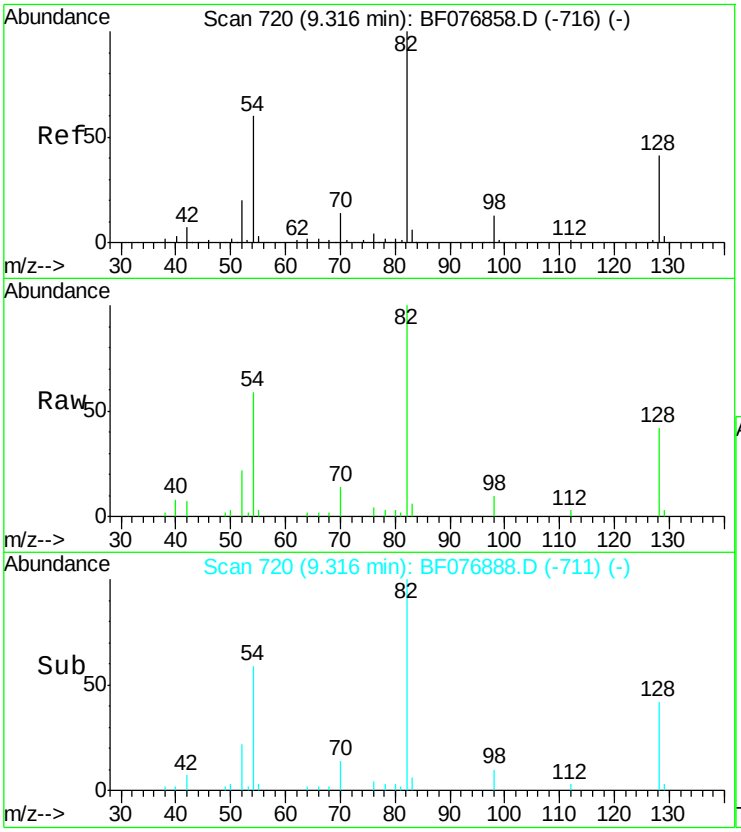


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:136 Resp: 113724

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.1	12.1
54	7.6	7.0	10.4
68	3.3	3.7	5.5#



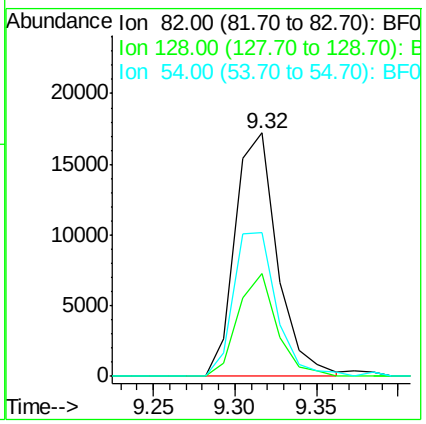


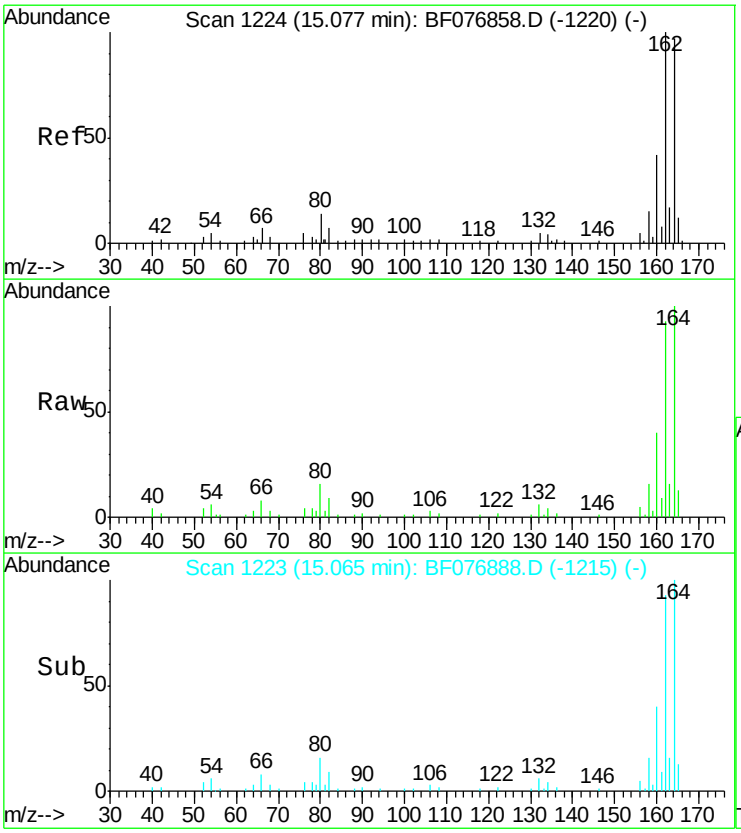
#23
Nitrobenzene-d5
Concen: 15.01 ng
RT: 9.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion: 82 Resp: 30808

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.1	49.7
54	59.2	48.3	72.5

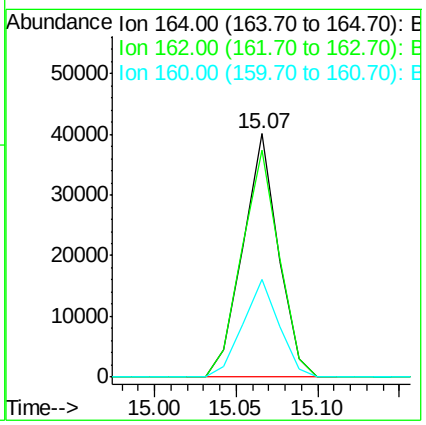


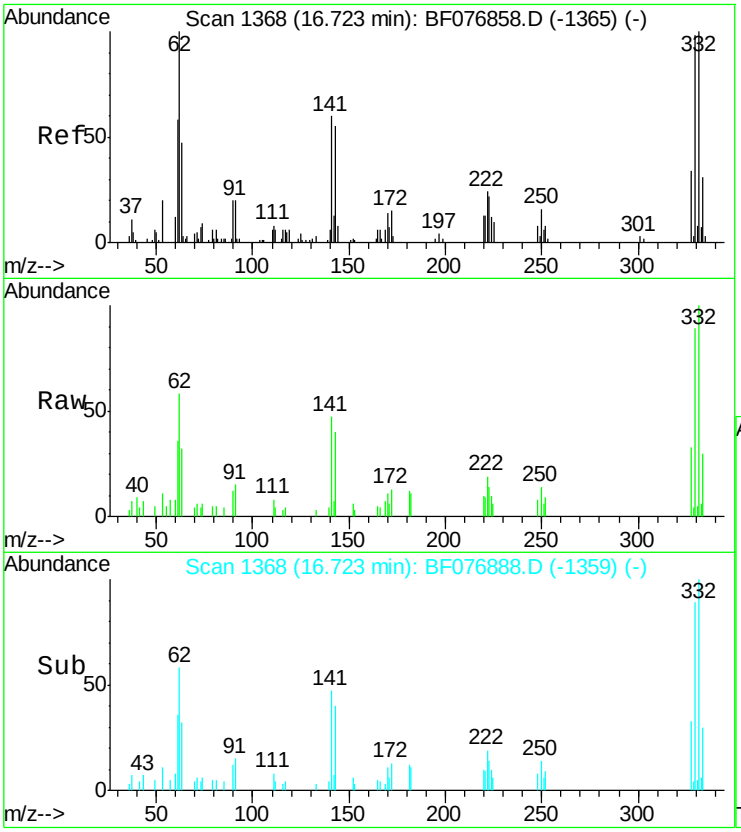


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.07 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:164 Resp: 60360

Ion	Ratio	Lower	Upper
164	100		
162	93.1	82.4	123.6
160	40.2	34.8	52.2



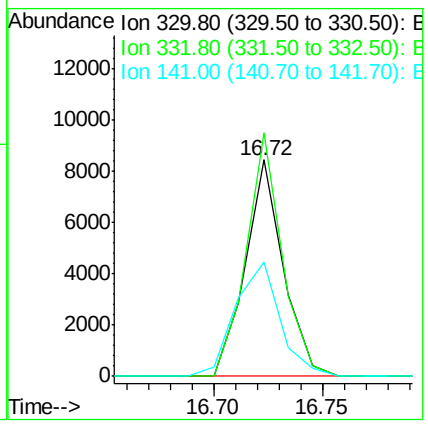


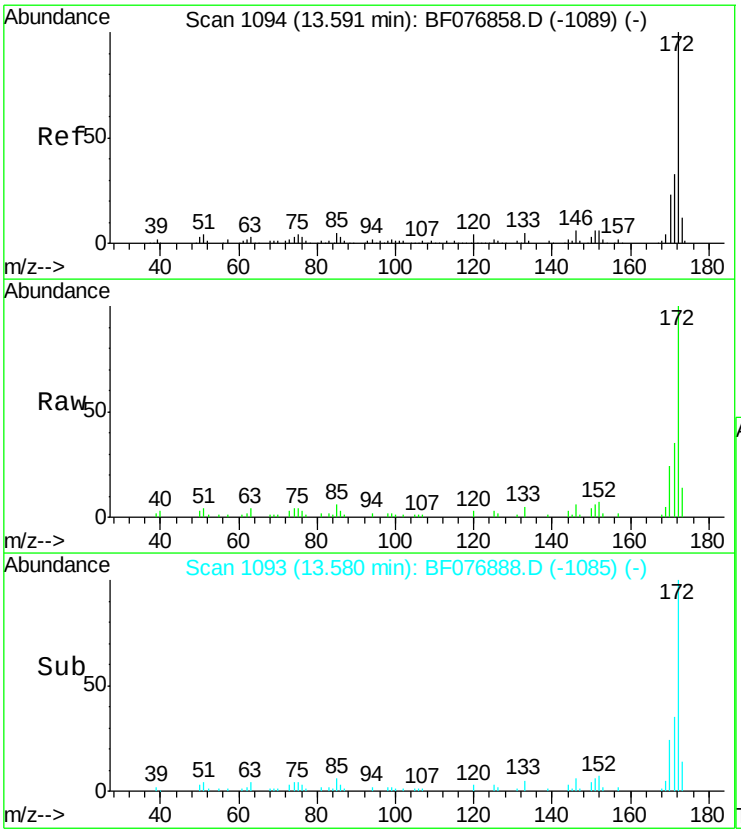
#41
2,4,6-Tribromophenol
Concen: 20.88 ng
RT: 16.72 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:330 Resp: 10229

Ion	Ratio	Lower	Upper
330	100		
332	106.6	77.8	116.6
141	62.2	38.5	57.7#

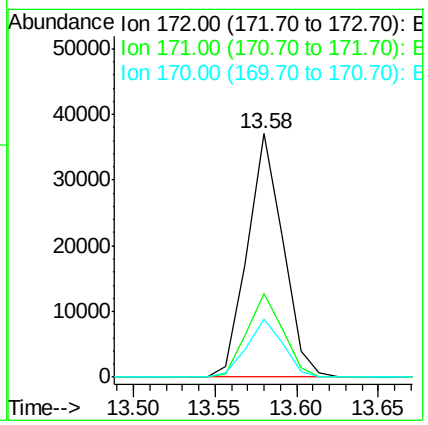


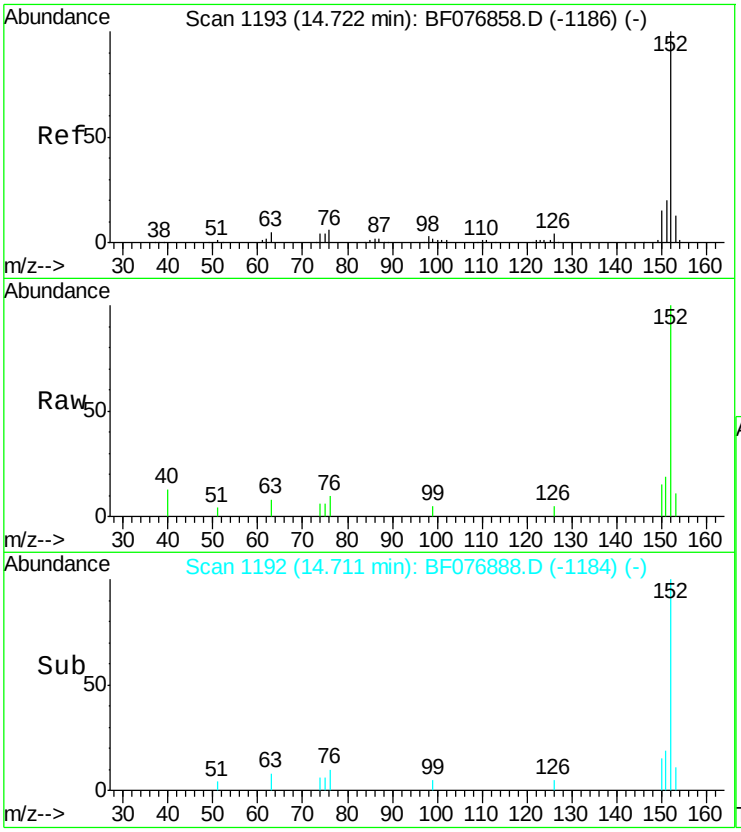


#44
2-Fluorobiphenyl
Concen: 14.18 ng
RT: 13.58 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:172 Resp: 56245

Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.6	40.0
170	24.0	18.0	27.0



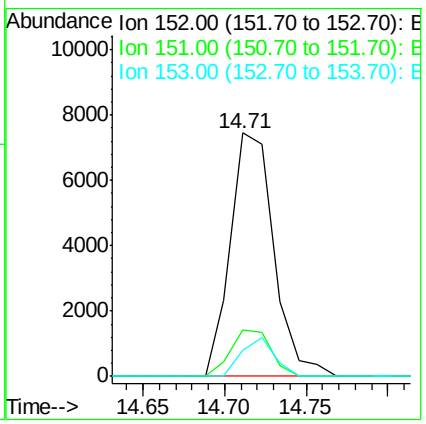


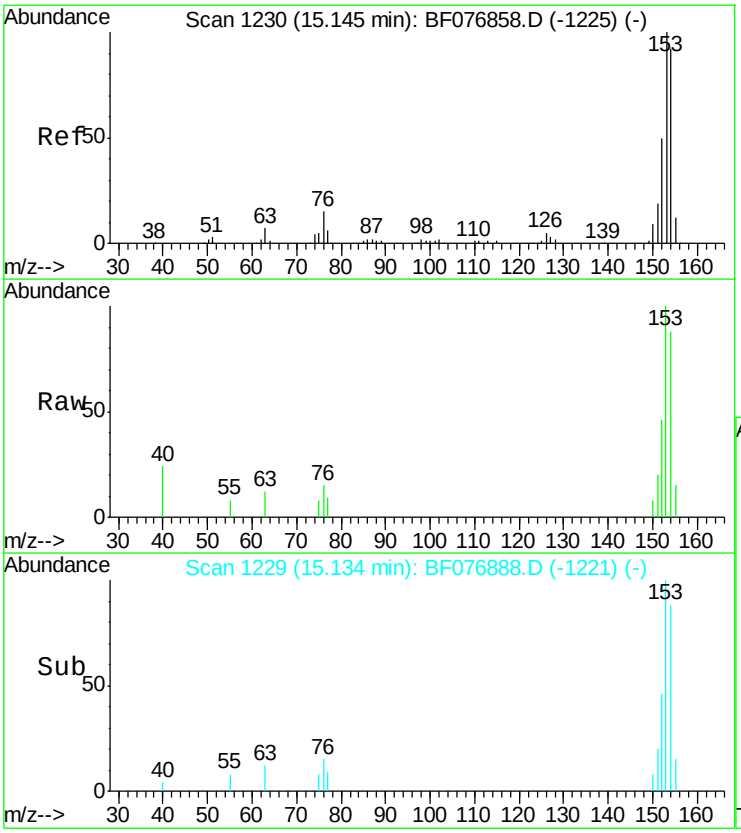
#48
Acenaphthylene
Concen: 2.21 ng
RT: 14.71 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:152 Resp: 13738

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.9	23.9
153	10.8	10.2	15.4

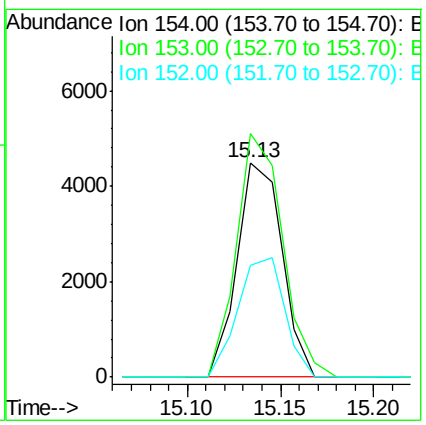


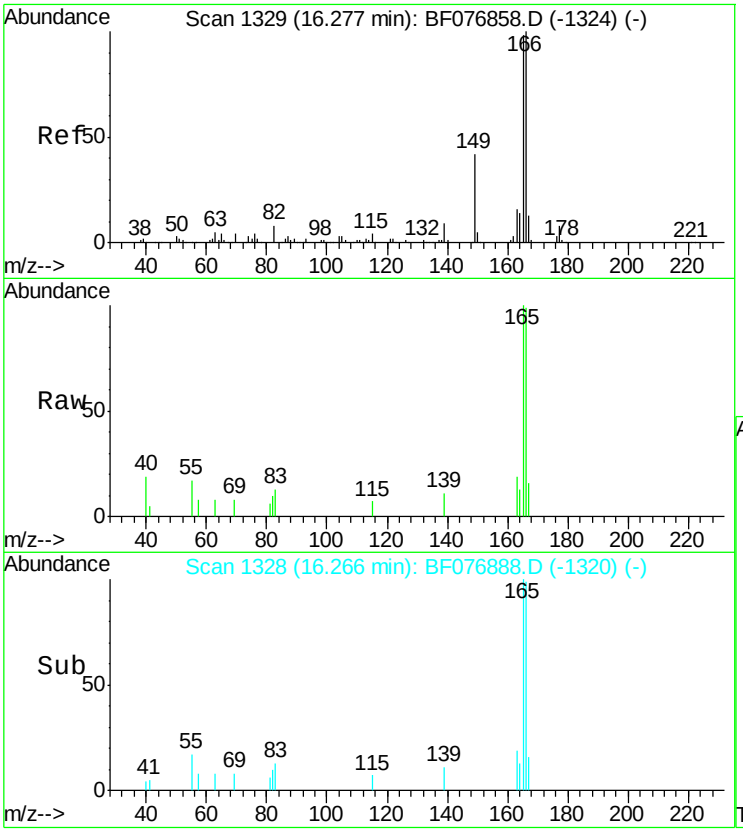


#51
Acenaphthene
Concen: 2.13 ng
RT: 15.13 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:154 Resp: 7516

Ion	Ratio	Lower	Upper
154	100		
153	113.5	87.0	130.6
152	52.4	43.5	65.3



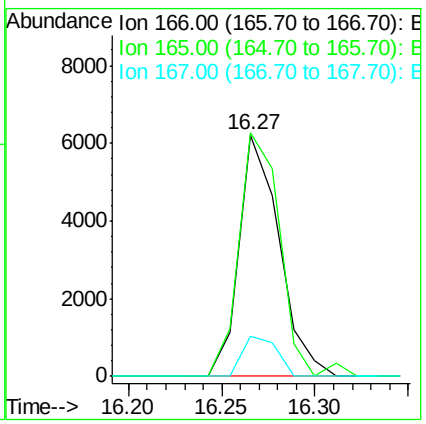


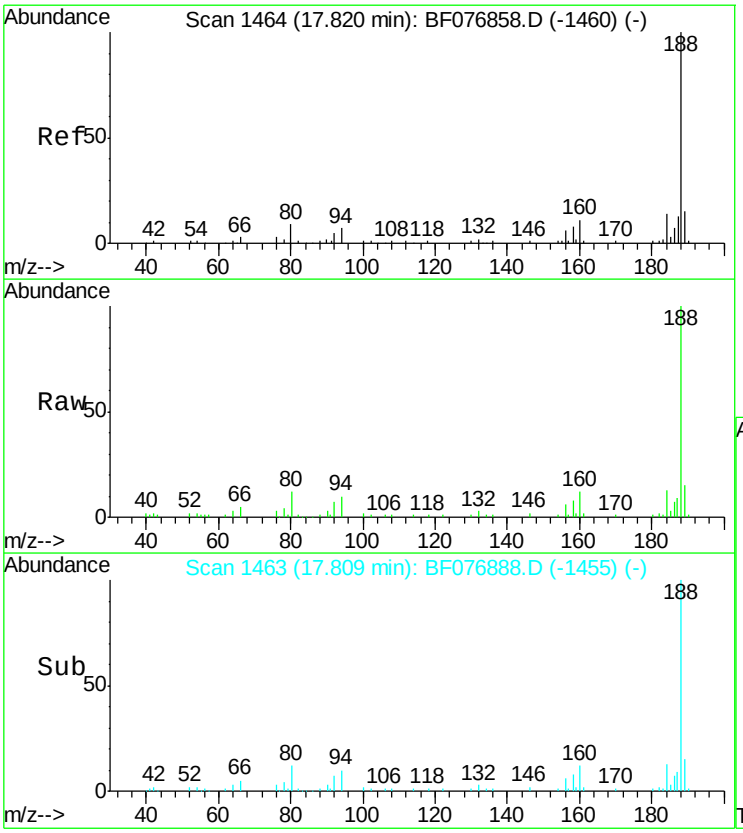
#57
Fluorene
Concen: 2.14 ng
RT: 16.27 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:166 Resp: 9312

Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.5	117.7
167	16.4	10.4	15.6#

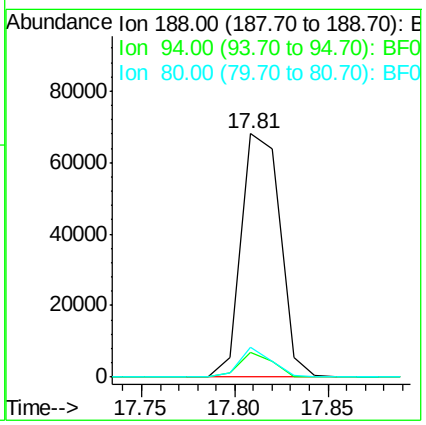


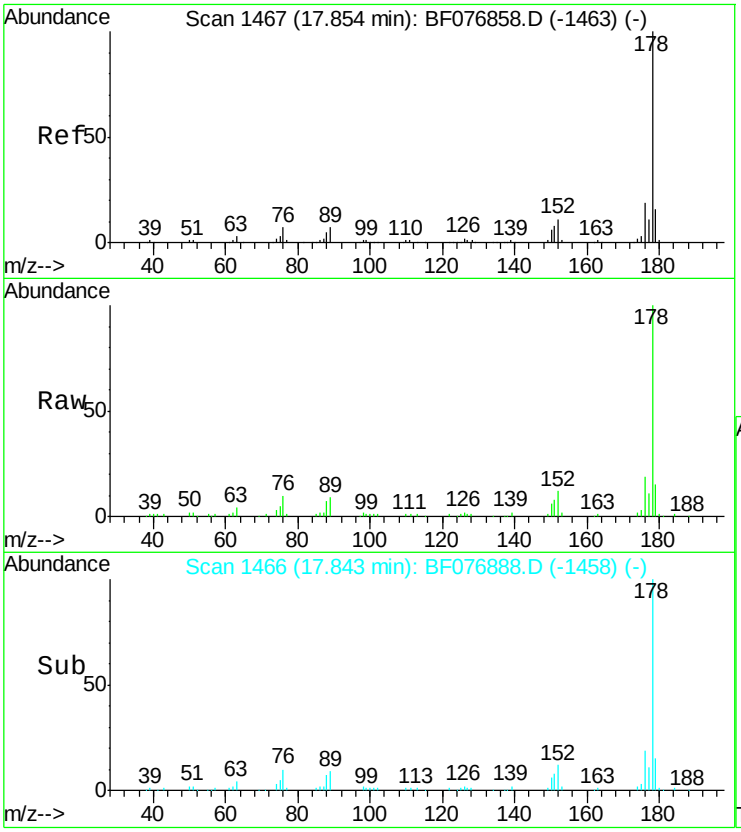


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.81 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:188 Resp: 98159

Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.0	9.0#
80	12.1	6.9	10.3#



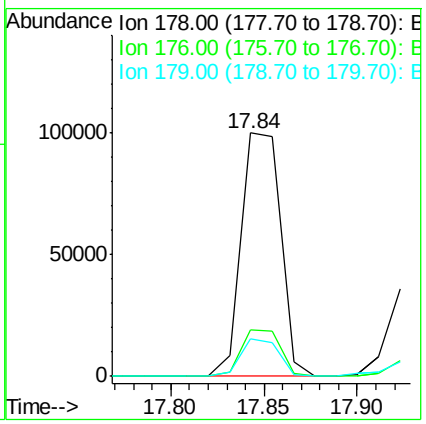


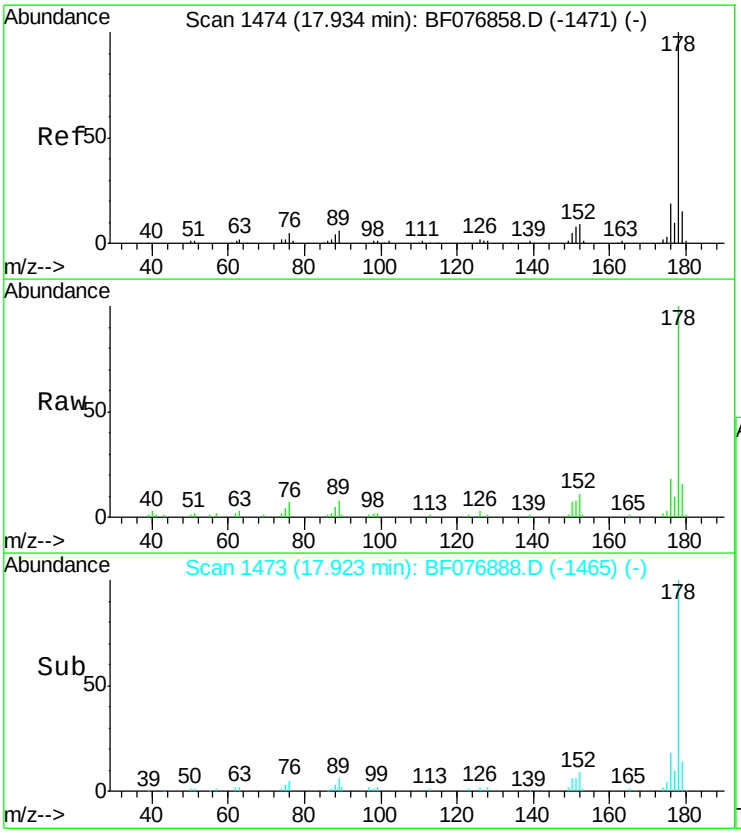
#70
Phenanthrene
Concen: 23.90 ng
RT: 17.84 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:178 Resp: 146317

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.2	12.7	19.1

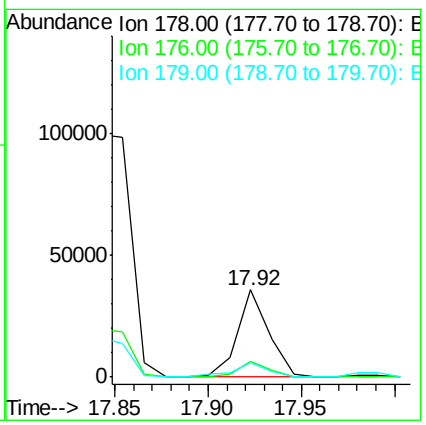


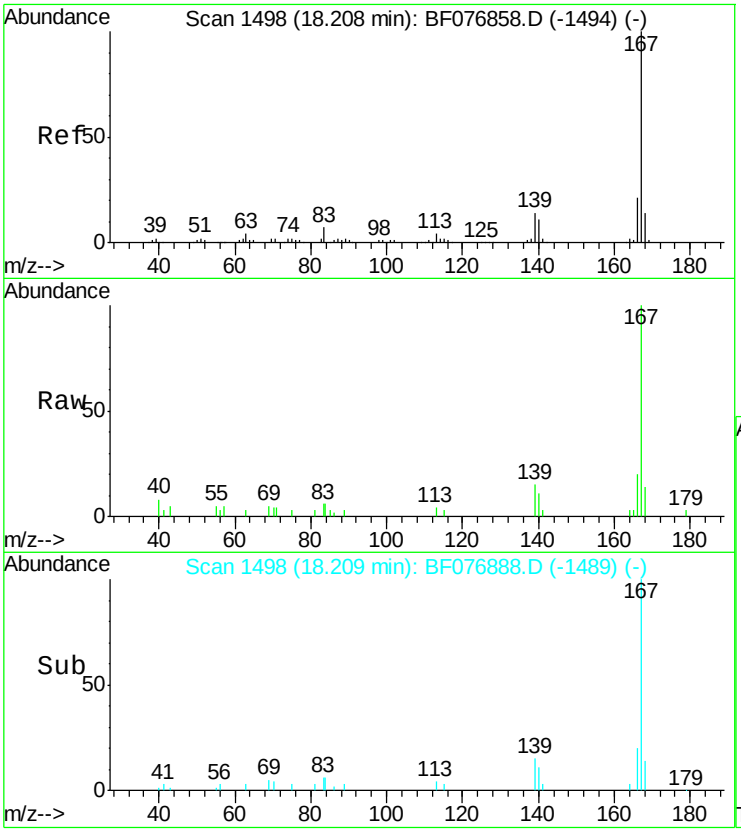


#71
Anthracene
Concen: 6.99 ng
RT: 17.92 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:178 Resp: 41696

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	16.0	11.9	17.9



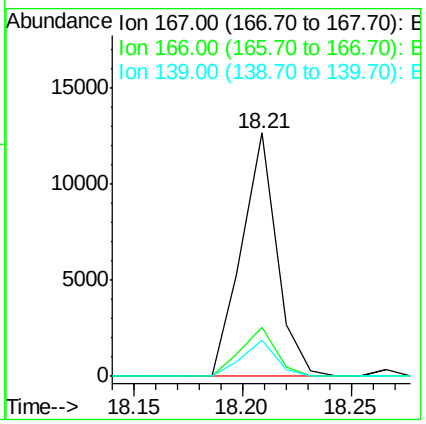


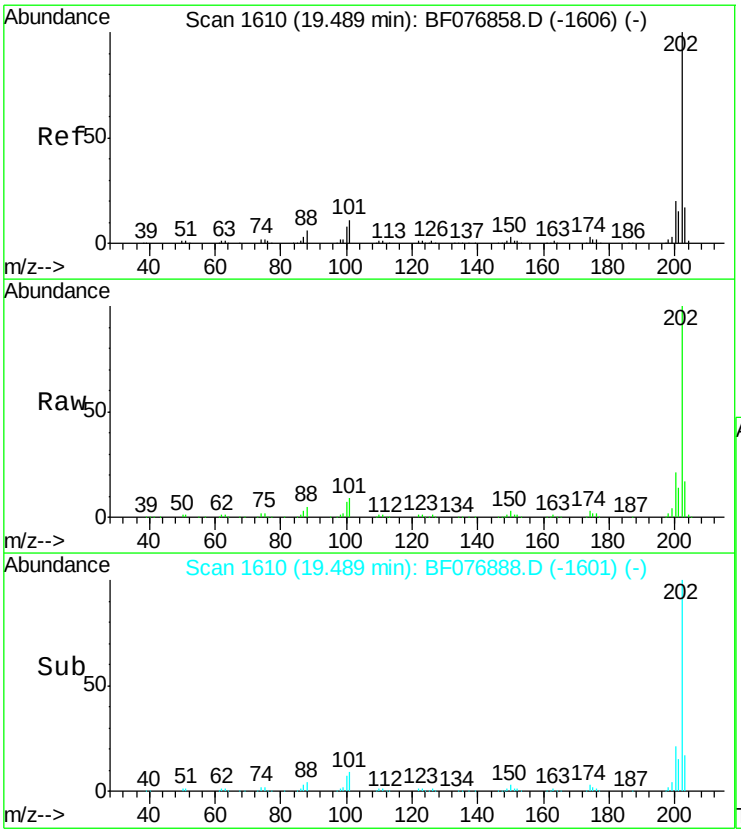
#72
Carbazole
Concen: 2.48 ng
RT: 18.21 min Scan# 1498
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:167 Resp: 14354

Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.0	25.6
139	14.8	11.3	16.9

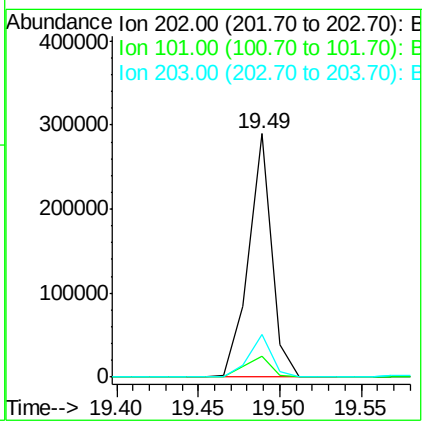


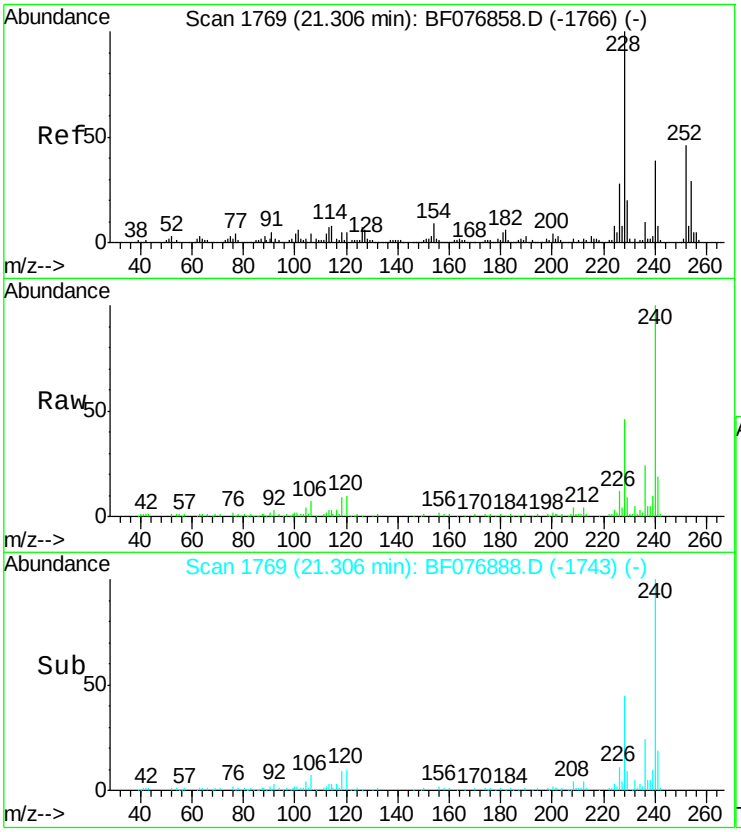


#74
Fluoranthene
Concen: 45.50 ng
RT: 19.49 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:202 Resp: 285424

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	30.7
203	17.5	0.0	36.9



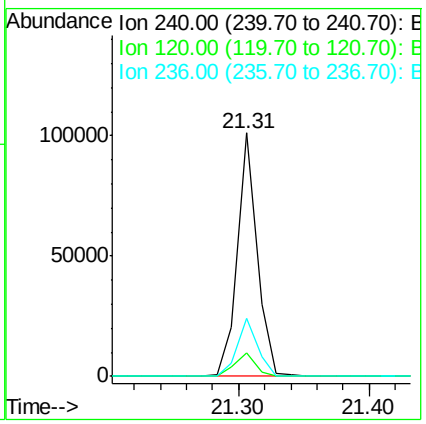


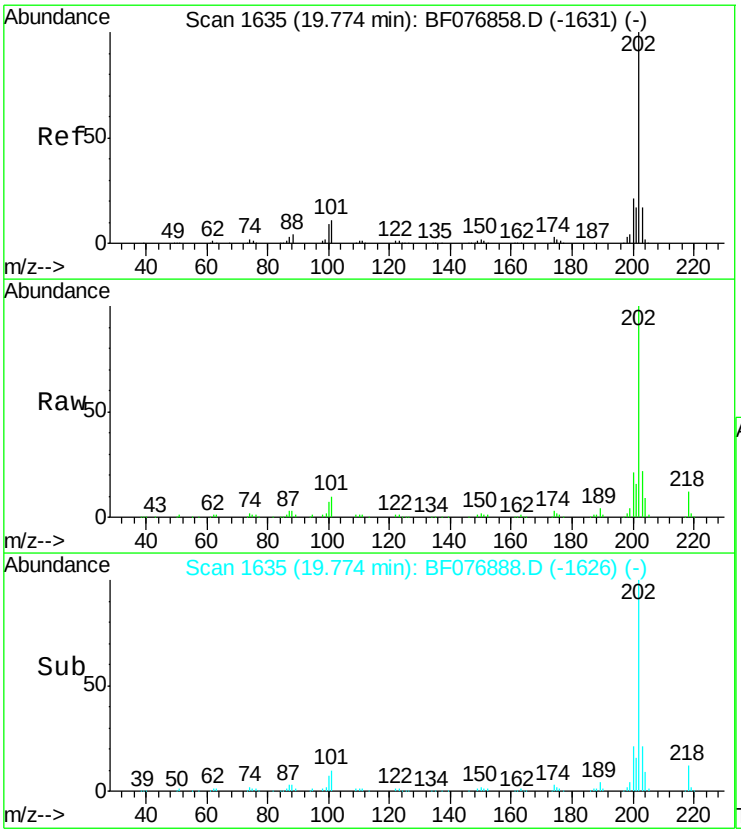
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.31 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:240 Resp: 106261

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.4	15.6#
236	24.0	20.2	30.2

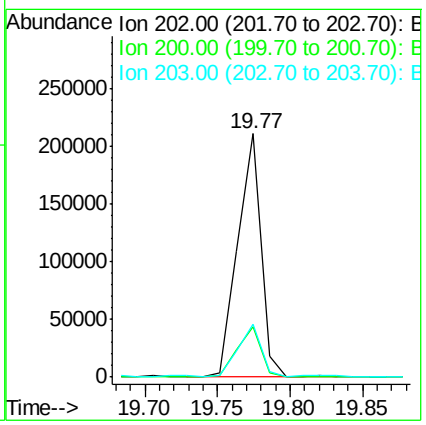


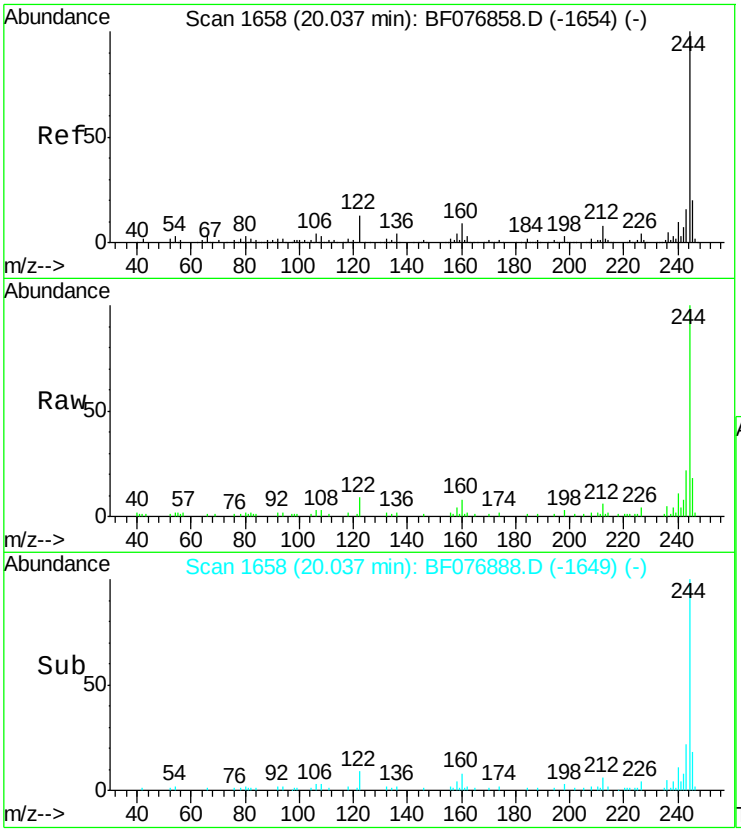


#77
Pyrene
Concen: 32.65 ng
RT: 19.77 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:202 Resp: 237763

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	21.7	14.0	21.0#



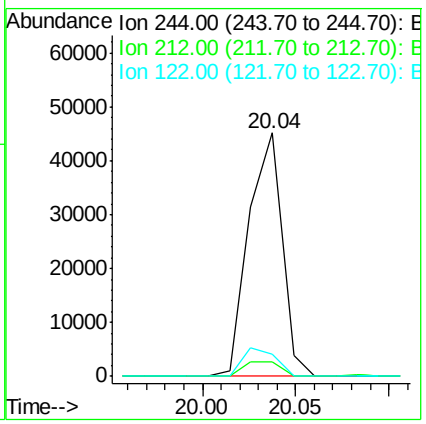


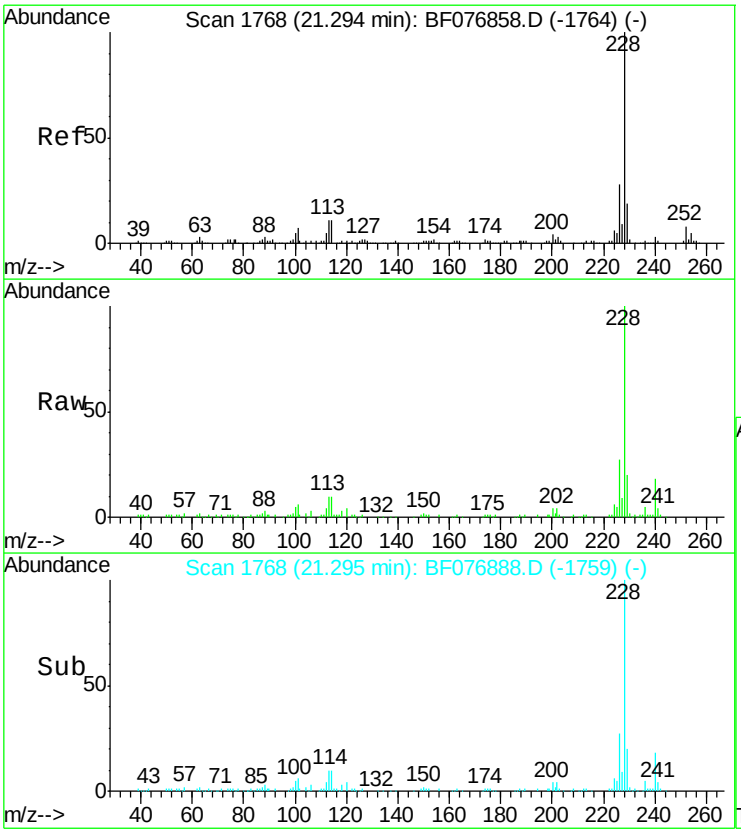
#78
Terphenyl-d14
Concen: 12.09 ng
RT: 20.04 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:244 Resp: 55798

Ion	Ratio	Lower	Upper
244	100		
212	5.8	6.3	9.5#
122	9.1	10.1	15.1#

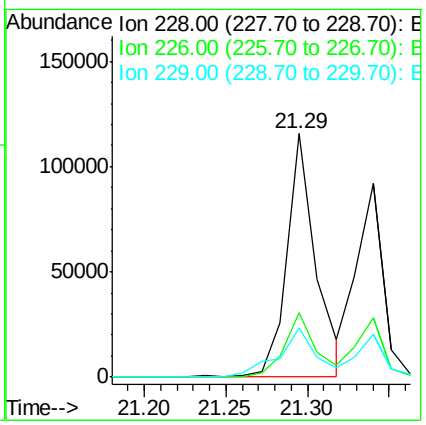


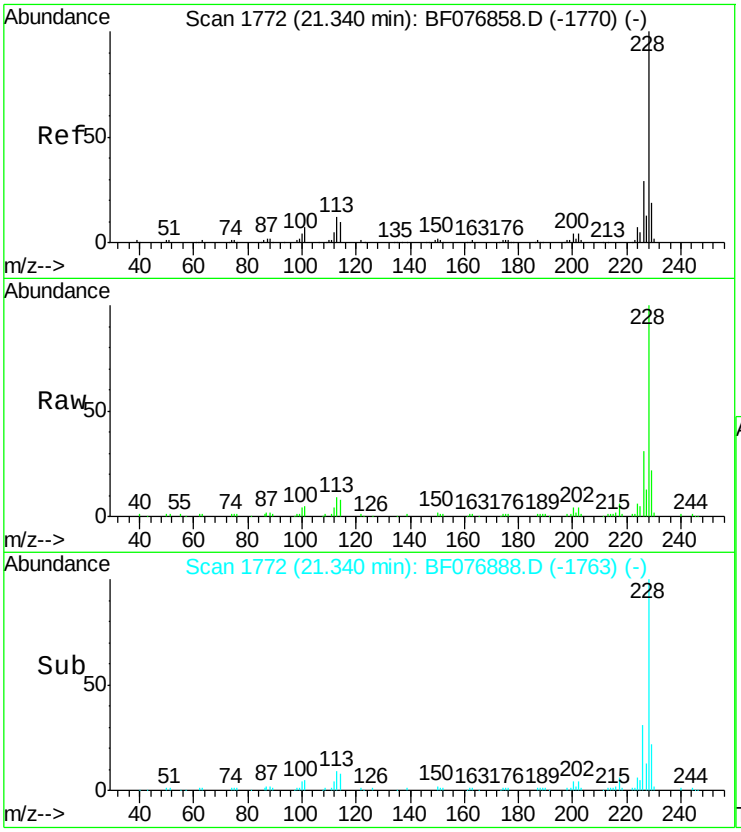


#80
Benzo(a)anthracene
Concen: 21.58 ng
RT: 21.29 min Scan# 1768
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:228 Resp: 143850

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	20.2	15.5	23.3



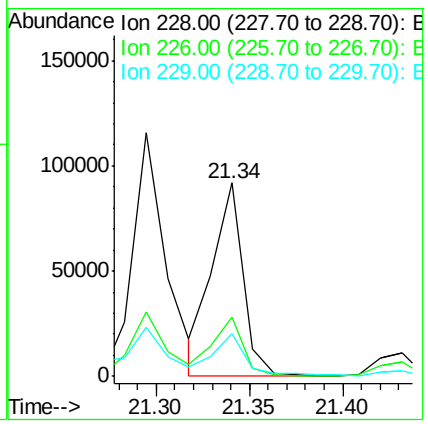


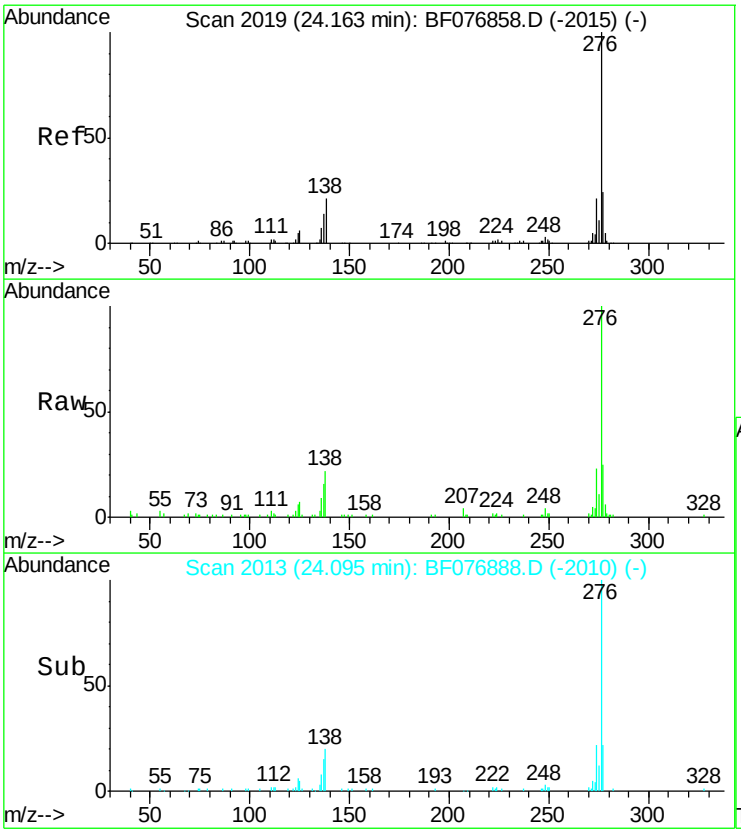
#82
Chrysene
Concen: 17.35 ng
RT: 21.34 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:228 Resp: 105462

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.0
229	22.1	15.4	23.0

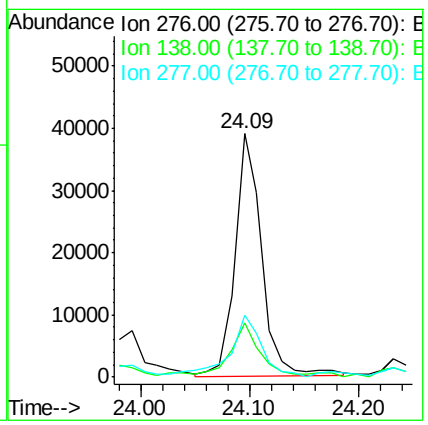


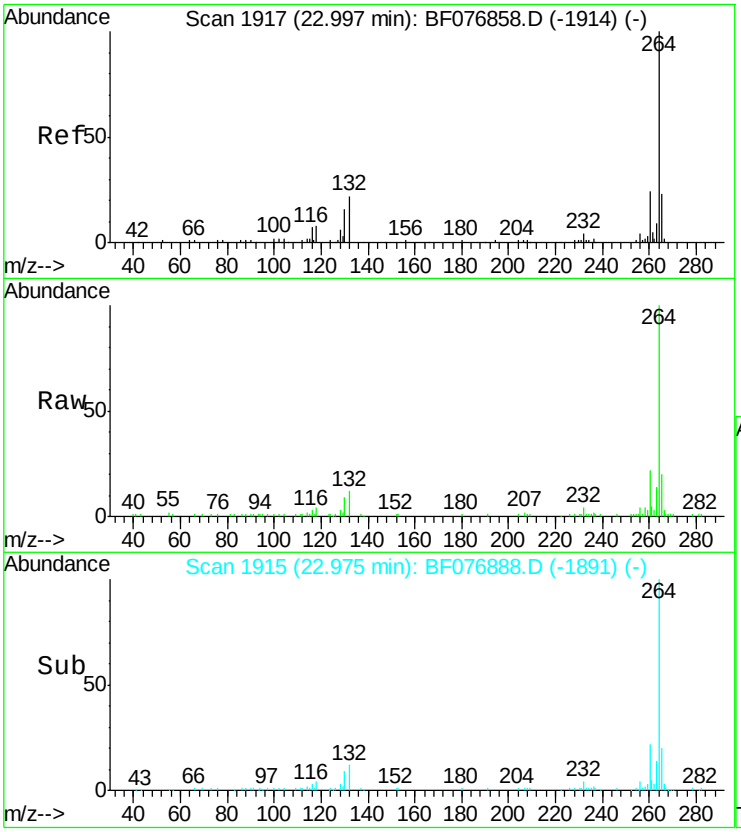


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.47 ng m
RT: 24.09 min Scan# 2013
Delta R.T. -0.07 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:276 Resp: 67448

Ion	Ratio	Lower	Upper
276	100		
138	19.3	14.6	22.0
277	21.1	14.8	22.2



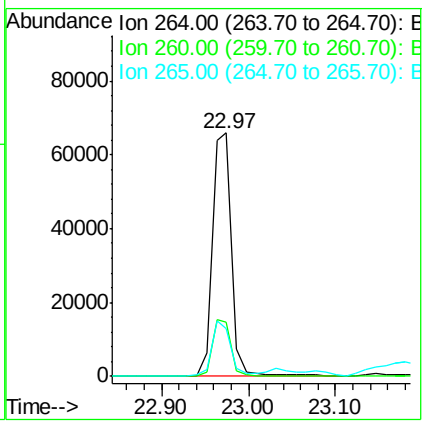


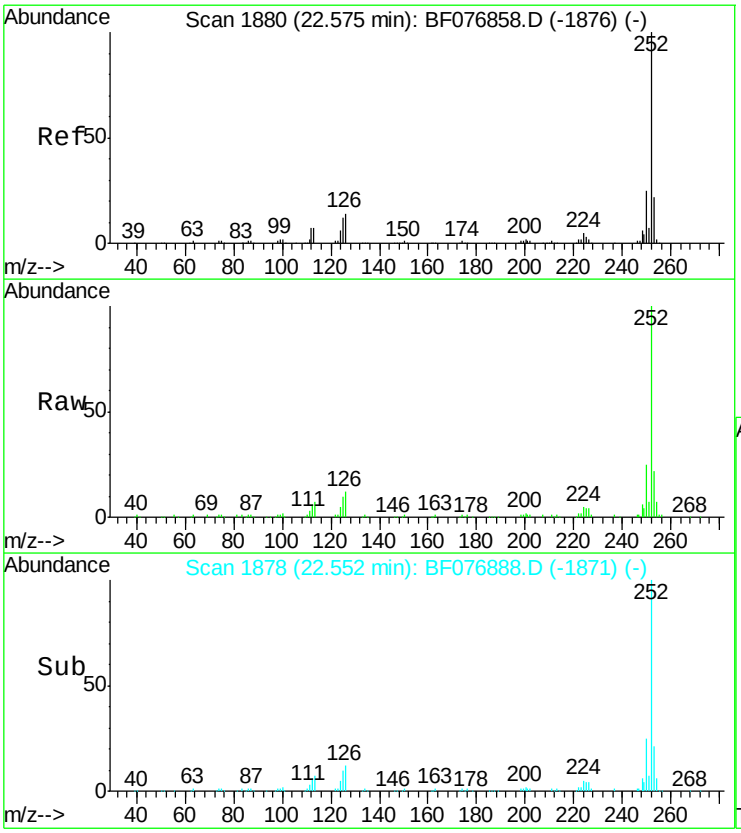
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.97 min Scan# 1915
Delta R.T. -0.02 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:264 Resp: 101608

Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.0	28.4
265	19.5	18.1	27.1

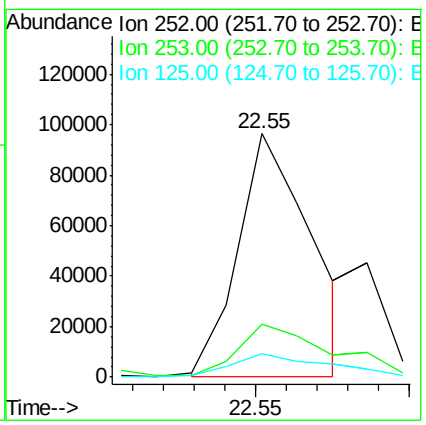


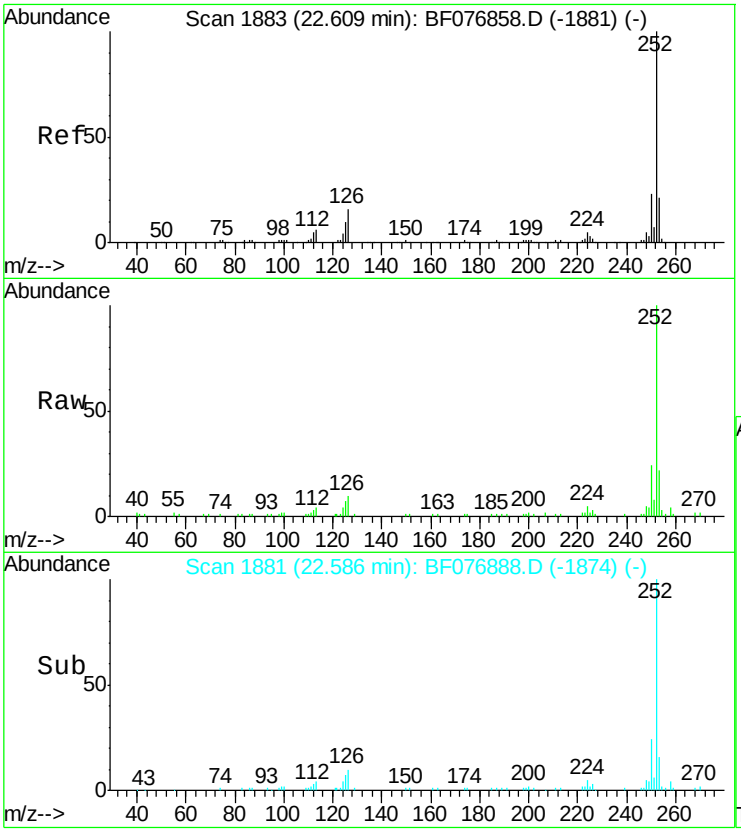


#87
Benzo(b)fluoranthene
Concen: 23.27 ng m
RT: 22.55 min Scan# 1878
Delta R.T. -0.02 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:252 Resp: 159245

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	9.8	9.4	14.0



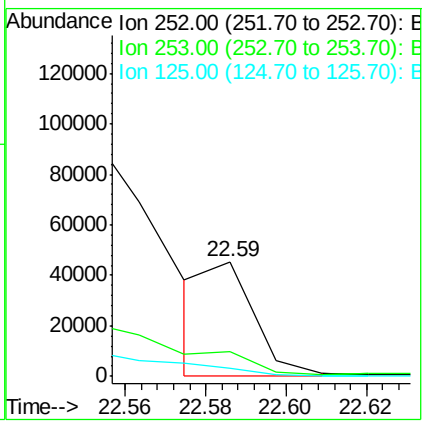


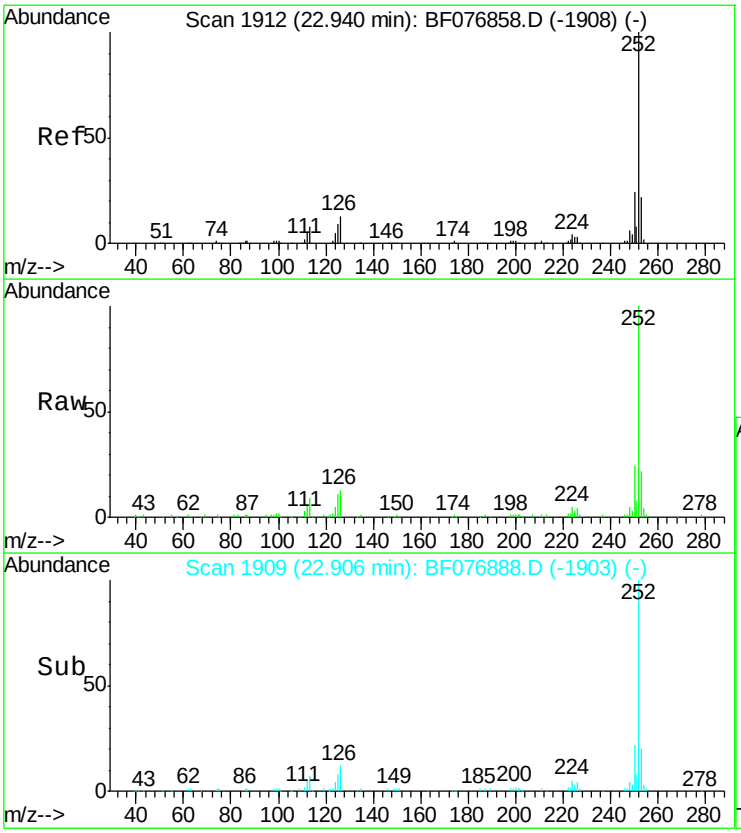
#88
Benzo(k)fluoranthene
Concen: 6.04 ng m
RT: 22.59 min Scan# 1881
Delta R.T. -0.02 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:252 Resp: 36108

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	7.1	7.1	10.7#

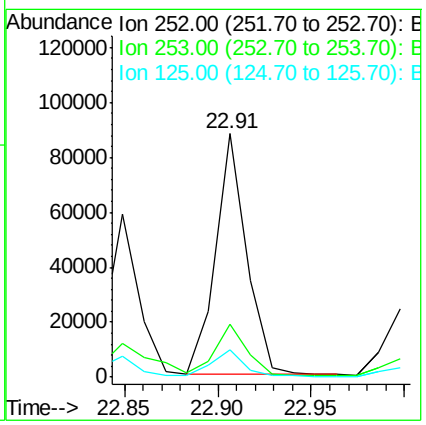


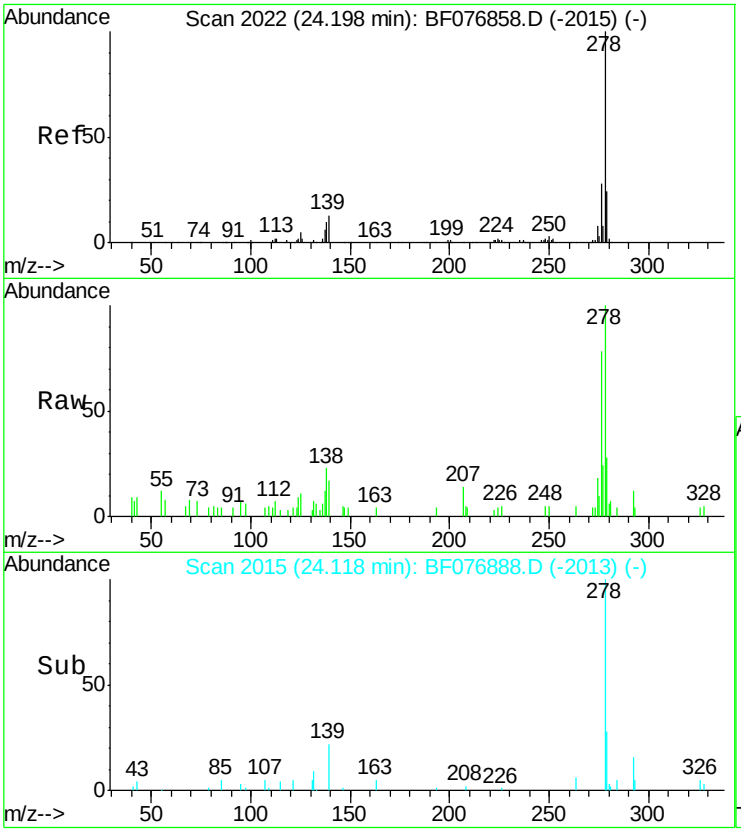


#89
Benzo(a)pyrene
Concen: 16.76 ng
RT: 22.91 min Scan# 1909
Delta R.T. -0.03 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:252 Resp: 101185

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	11.0	7.2	10.8#



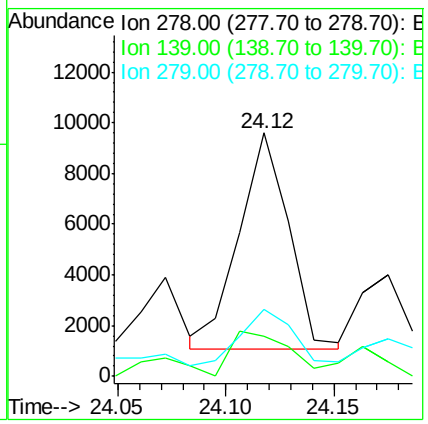


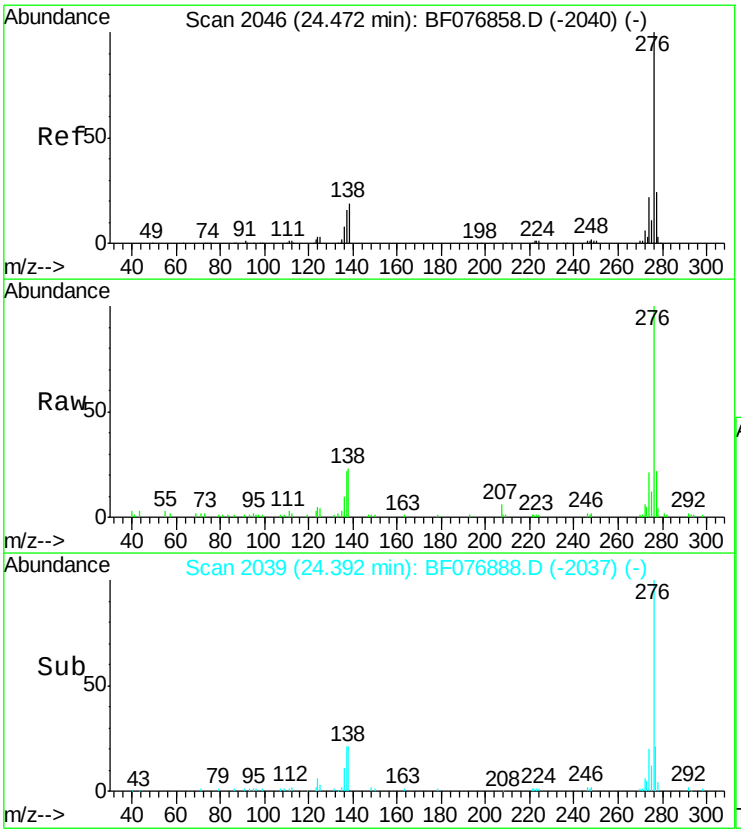
#90
Dibenzo(a,h)anthracene
Concen: 2.47 ng m
RT: 24.12 min Scan# 2015
Delta R.T. -0.08 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Instrument :
BNA_F
ClientSampleId :
TP4-SS-3(6-8)

Tgt Ion:278 Resp: 13684

Ion	Ratio	Lower	Upper
278	100		
139	16.6	10.5	15.7#
279	27.7	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 10.33 ng
RT: 24.39 min Scan# 2039
Delta R.T. -0.08 min
Lab File: BF076888.D
Acq: 15 Jan 2015 17:23

Tgt Ion:276 Resp: 56883

Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.5	29.3
138	22.9	15.0	22.6#