Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
Data File : BF089112.D
Acq On : 19 Jul 2016 12:15
Operator : UM/SJ
Sample : H4044-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F9-B1(0-6)C

Quant Time: Jul 20 02:19:26 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 15:28:17 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	50769	20.00	ng		-0.01
21) Naphthalene-d8	7.91	136	223347	20.00	ng		0.00
38) Acenaphthene-d10	9.66	164	103277	20.00	ng		0.00
63) Phenanthrene-d10	11.13	188	171029	20.00	ng		0.00
75) Chrysene-d12	13.75	240	102786	20.00	ng		-0.01
86) Perylene-d12	15.11	264	99295	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.21	112	322321	95.15	ng		0.00
7) Phenol-d6	6.28	99	490887	112.15	ng		0.00
23) Nitrobenzene-d5	7.19	82	250206	58.71	ng		-0.01
41) 2,4,6-Tribromophenol	10.44	330	85438	89.09	ng		0.00
44) 2-Fluorobiphenyl	8.99	172	524405	80.21	ng		0.00
78) Terphenyl-d14	12.72	244	344650	74.68	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.38	163	112074	15.23	ng		99
70) Phenanthrene	11.15	178	35271	3.77	ng		99
74) Fluoranthene	12.33	202	71123	7.50	ng		97
77) Pyrene	12.56	202	62057	7.12	ng		97
80) Benzo(a)anthracene	13.74	228	37431	5.66	ng		93
82) Chrysene	13.77	228	27287m	4.17	ng		
83) Bis(2-ethylhexyl)phthalate	13.75	149	13268	2.99	ng	#	96
85) Indeno(1,2,3-cd)pyrene	16.34	276	16981	3.37	ng	#	100
87) Benzo(b)fluoranthene	14.74	252	45425m	7.29	ng		
88) Benzo(k)fluoranthene	14.75	252	11722m	2.16	ng		
89) Benzo(a)pyrene	15.05	252	29216	5.54	ng		98
91) Benzo(g,h,i)perylene	16.71	276	15015	3.29	ng		97

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

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F9-B1(0-6)C

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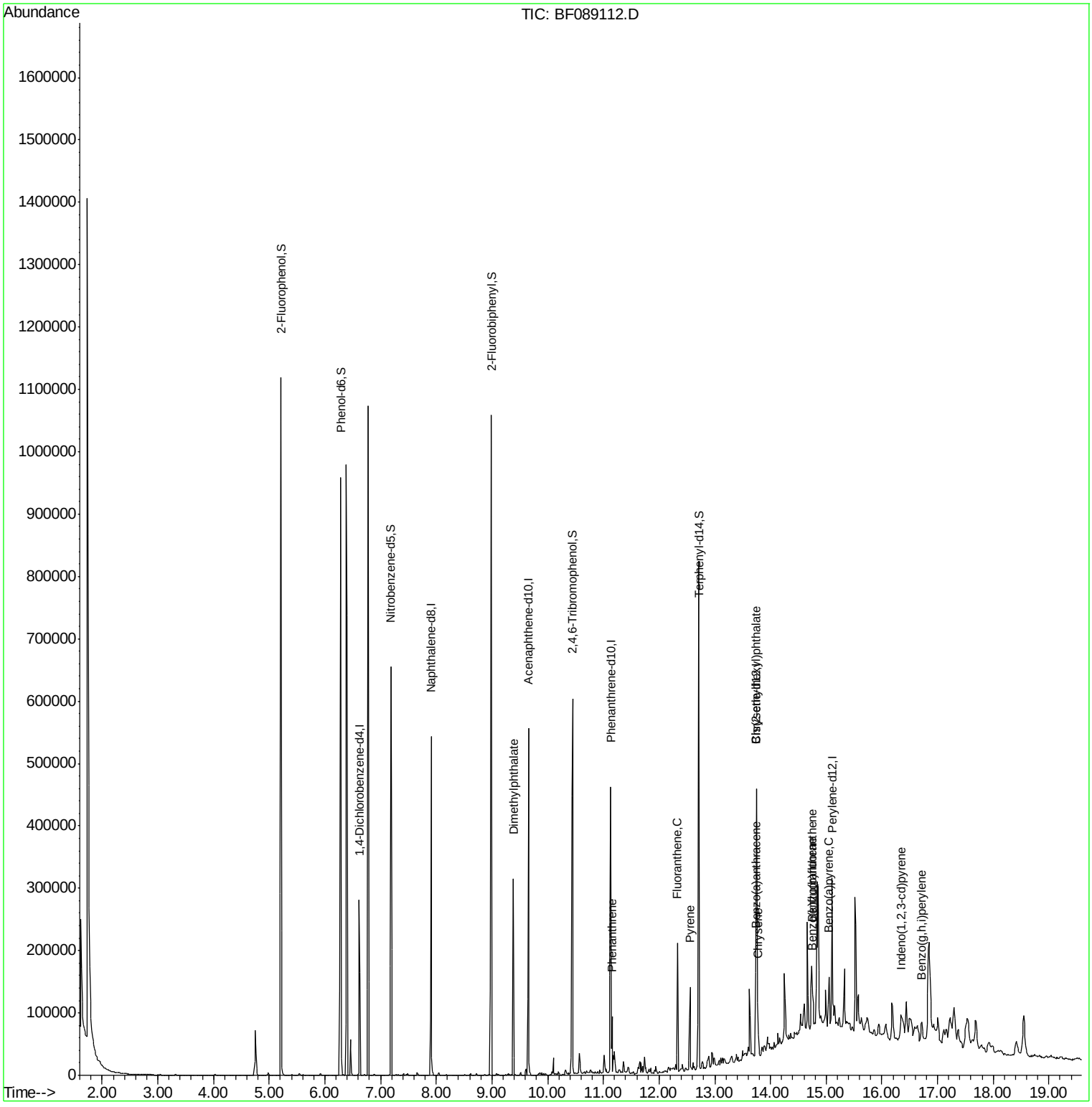
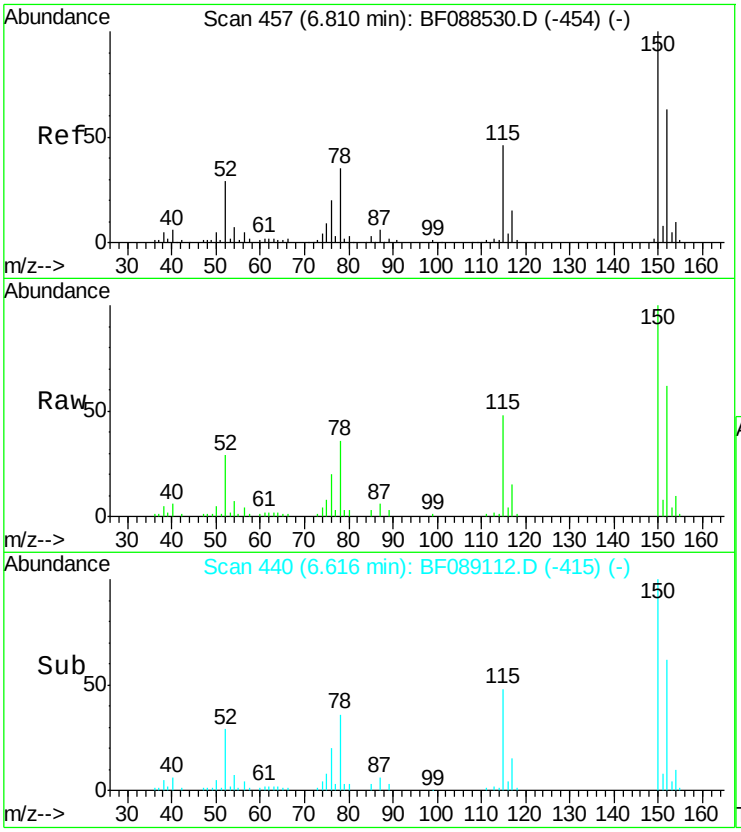


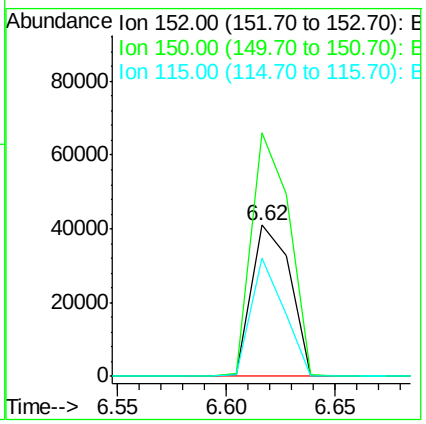


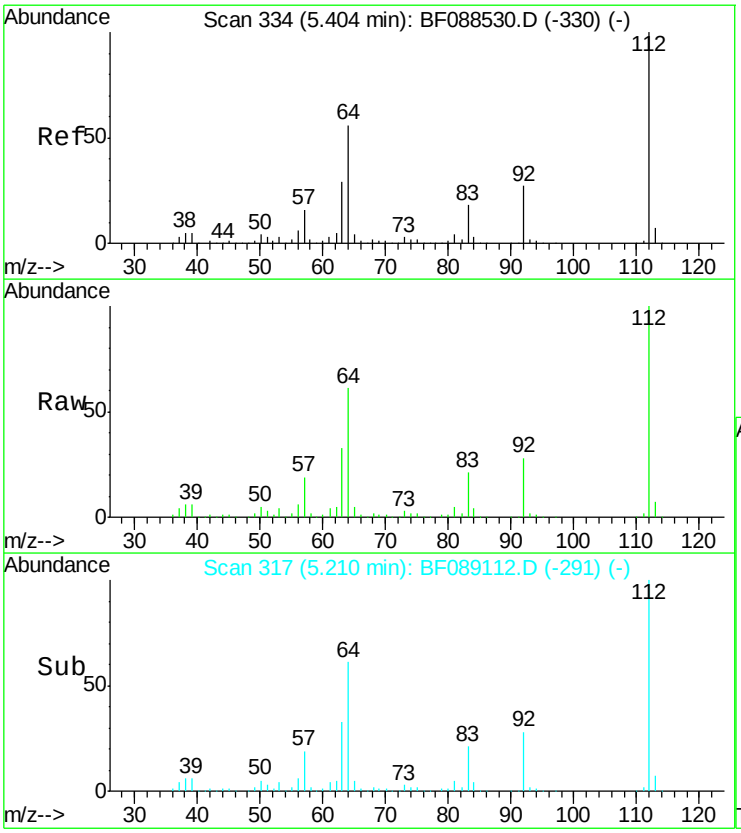
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:152 Resp: 50769

Ion	Ratio	Lower	Upper
152	100		
150	161.2	123.8	185.6
115	77.9	39.6	59.4#

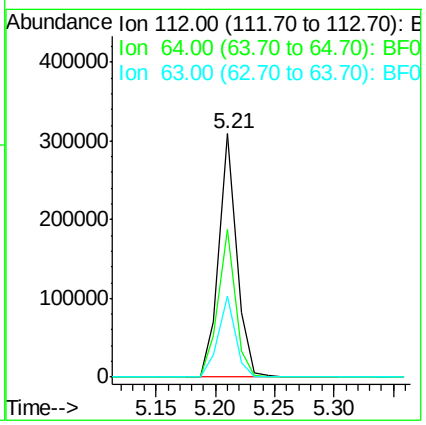


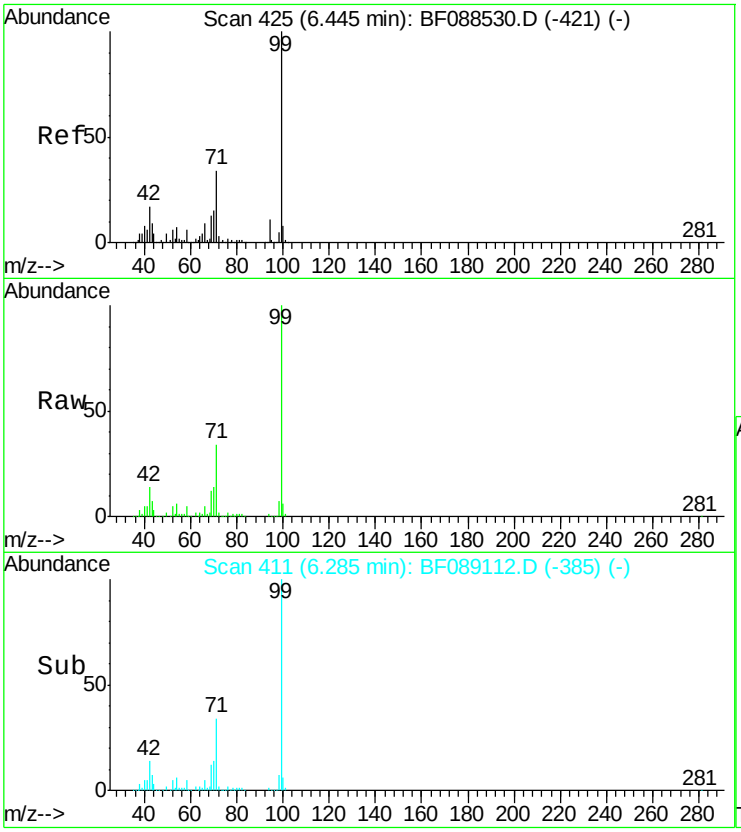


#5
2-Fluorophenol
Concen: 95.15 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:112 Resp: 322321

Ion	Ratio	Lower	Upper
112	100		
64	60.7	42.2	63.2
63	33.0	21.8	32.8#



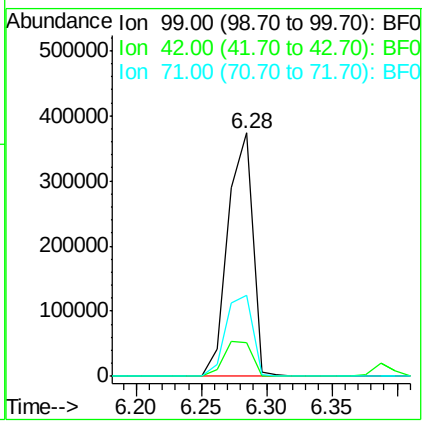


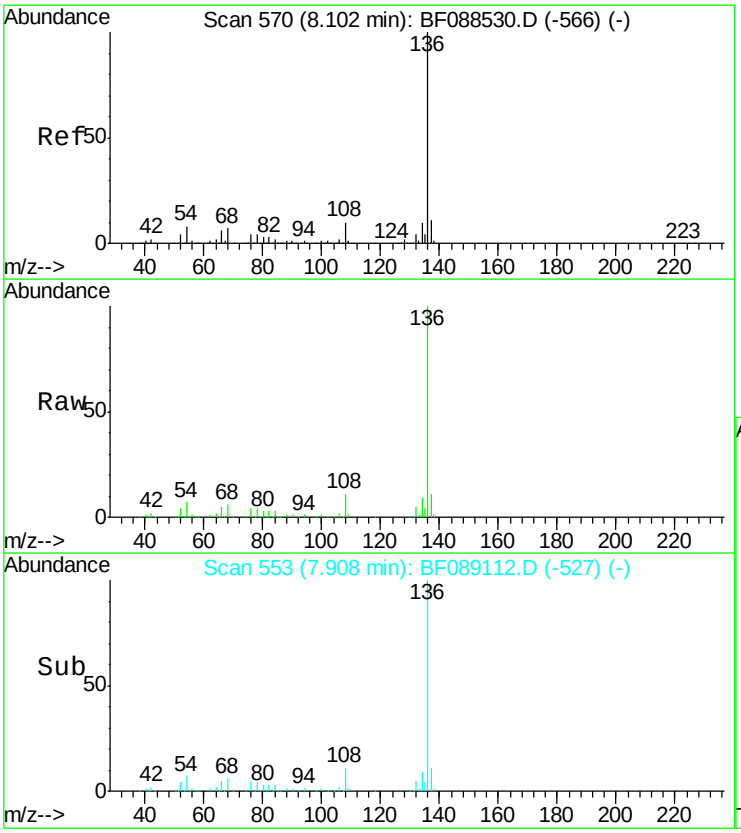
#7
Phenol-d6
Concen: 112.15 ng
RT: 6.28 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion: 99 Resp: 490887

Ion	Ratio	Lower	Upper
99	100		
42	14.0	12.2	18.2
71	33.5	23.4	35.0

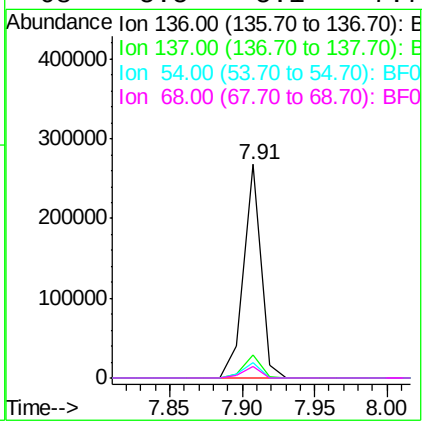


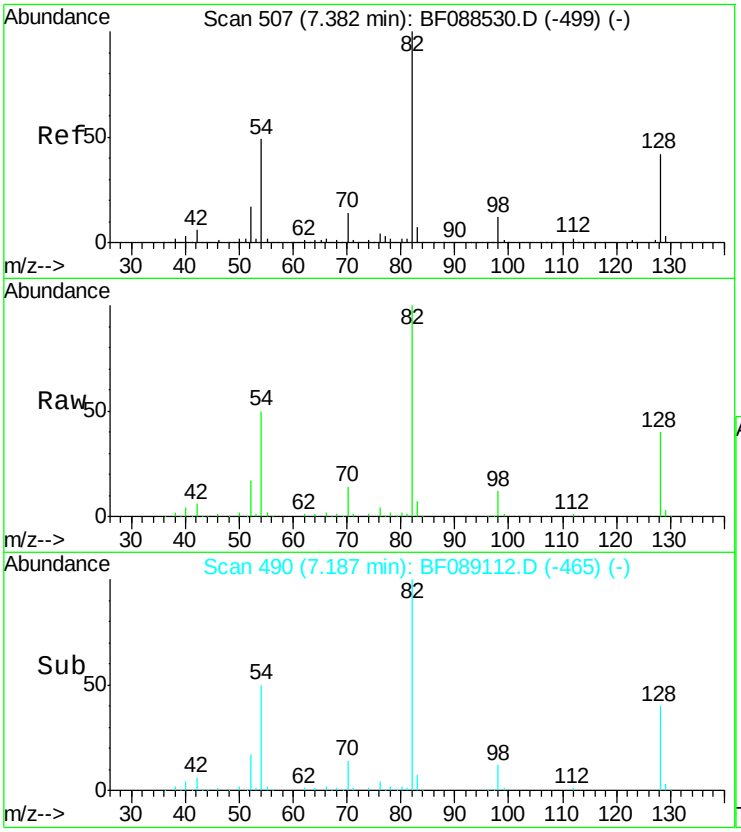


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:136 Resp: 223347

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.3	6.6	10.0
68	5.5	5.1	7.7



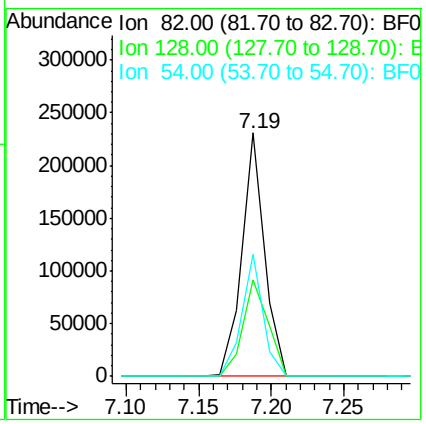


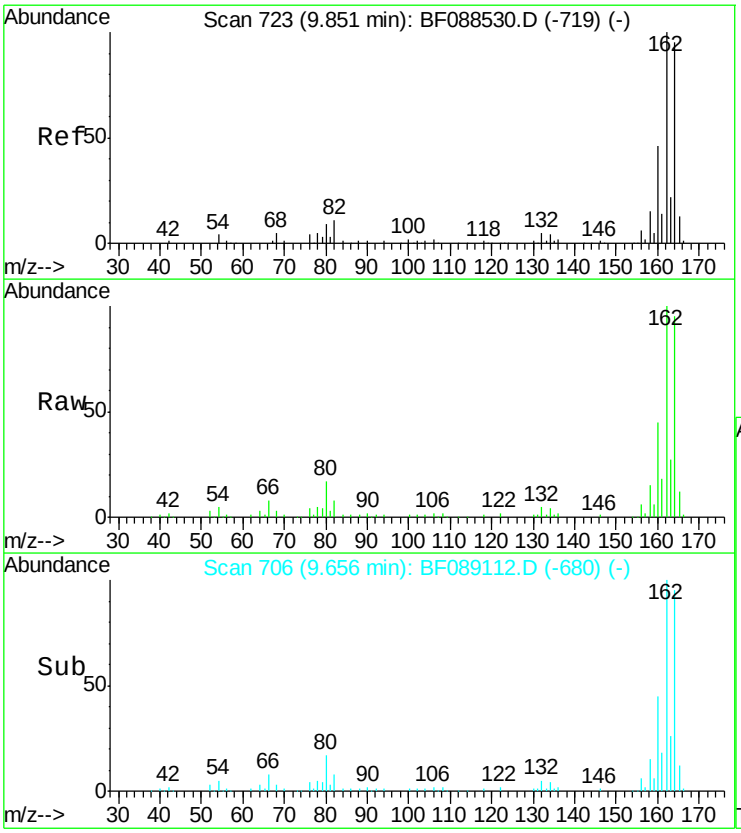
#23
Nitrobenzene-d5
Concen: 58.71 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion: 82 Resp: 250206

Ion	Ratio	Lower	Upper
82	100		
128	39.6	35.9	53.9
54	50.1	40.9	61.3

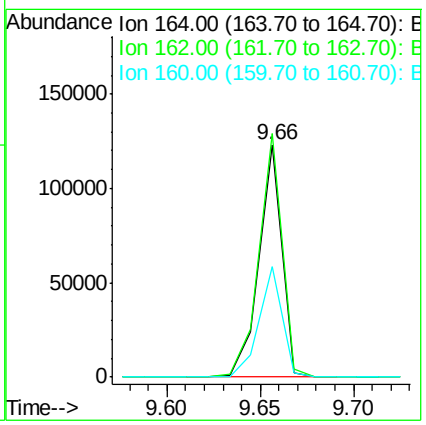


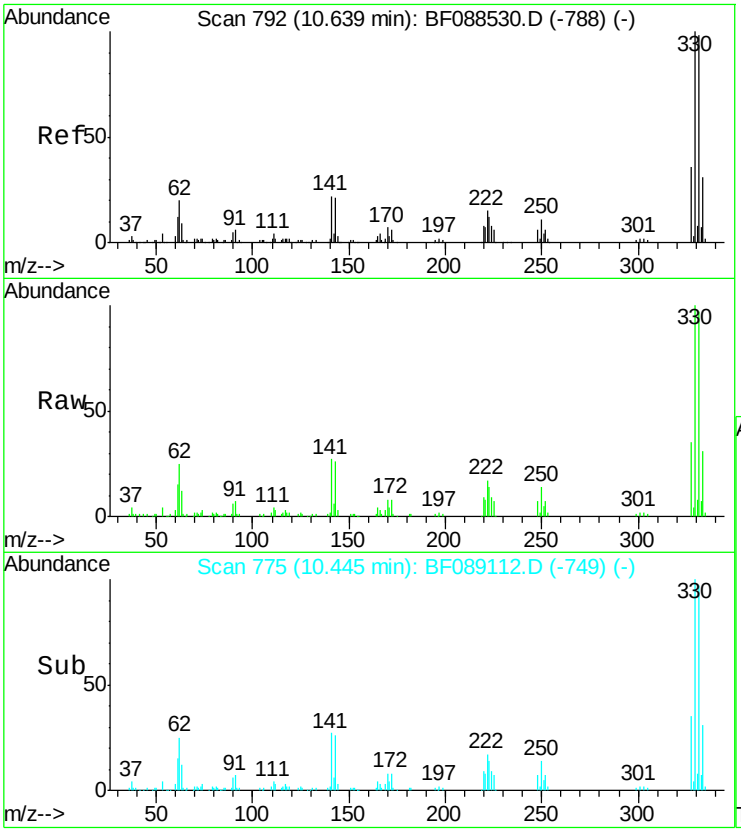


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:164 Resp: 103277

Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.4	128.2
160	47.5	39.5	59.3



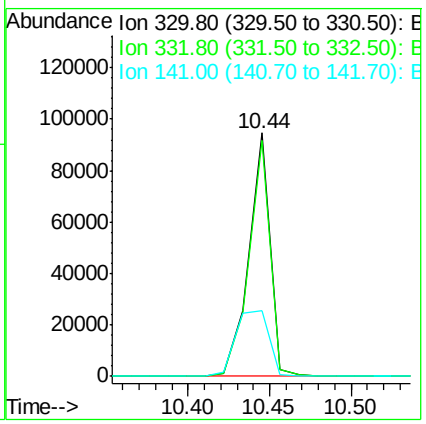


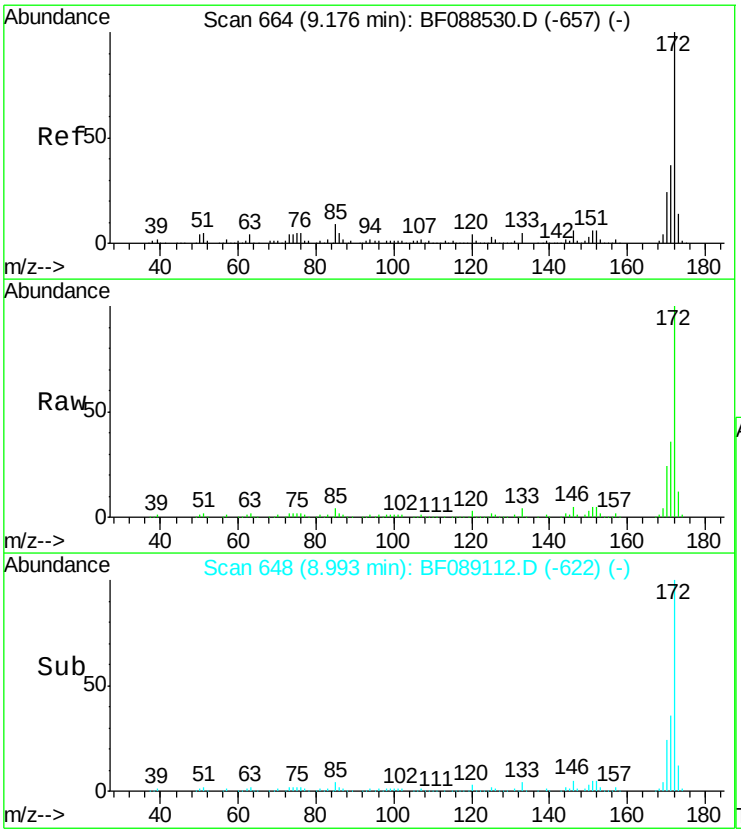
#41
2,4,6-Tribromophenol
Concen: 89.09 ng
RT: 10.44 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:330 Resp: 85438

Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	42.1	0.0	0.0#

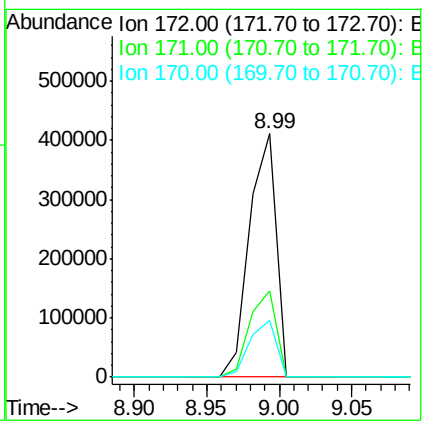


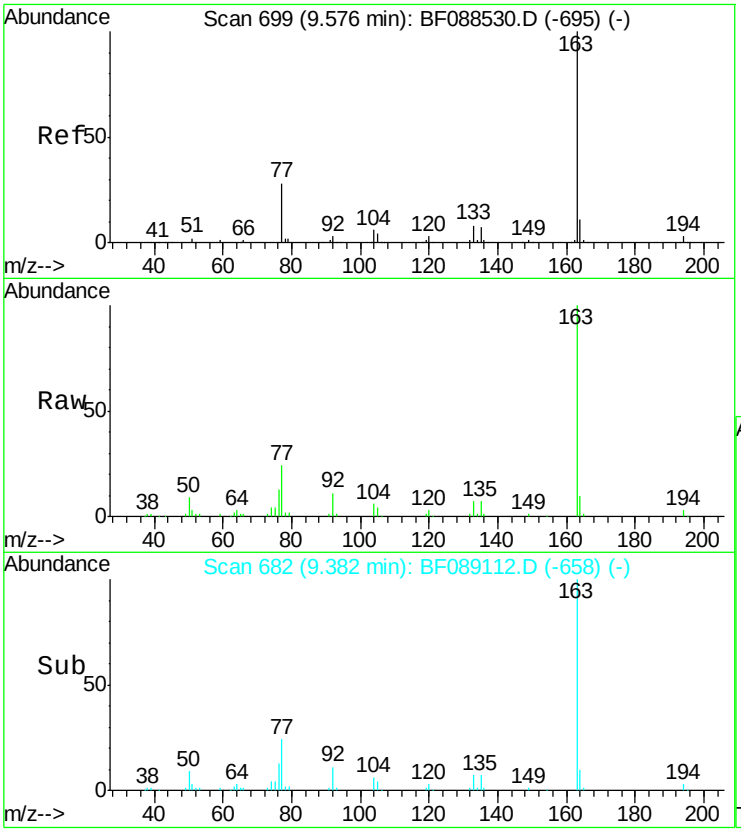


#44
2-Fluorobiphenyl
Concen: 80.21 ng
RT: 8.99 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:172 Resp: 524405

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.6	19.2	28.8



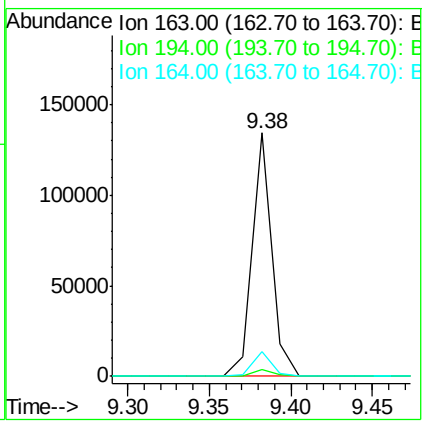


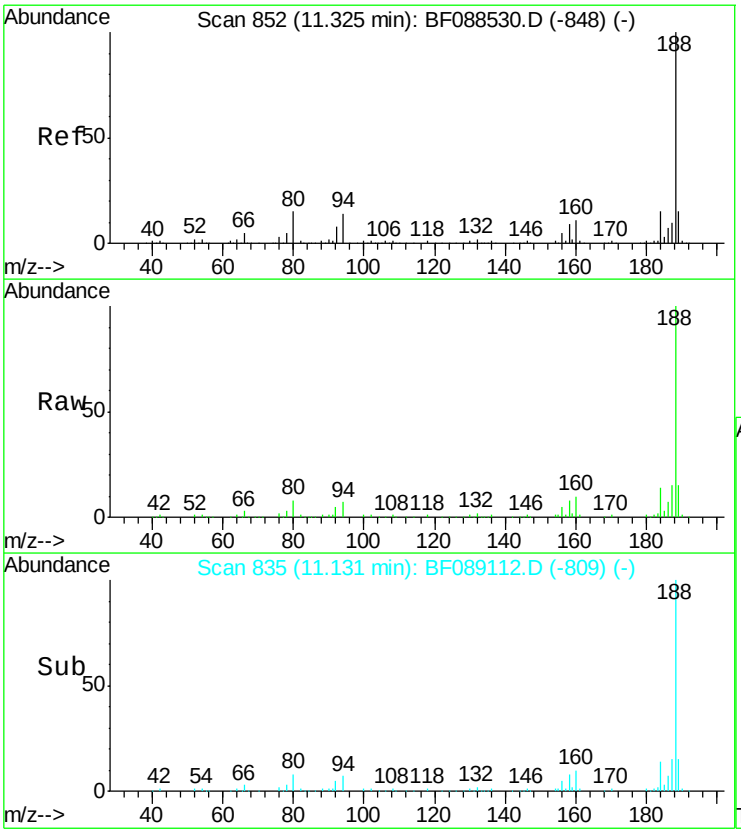
#49
Dimethylphthalate
Concen: 15.23 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:163 Resp: 112074

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.4	8.3	12.5

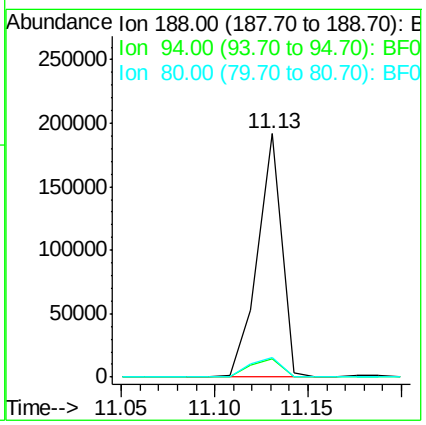


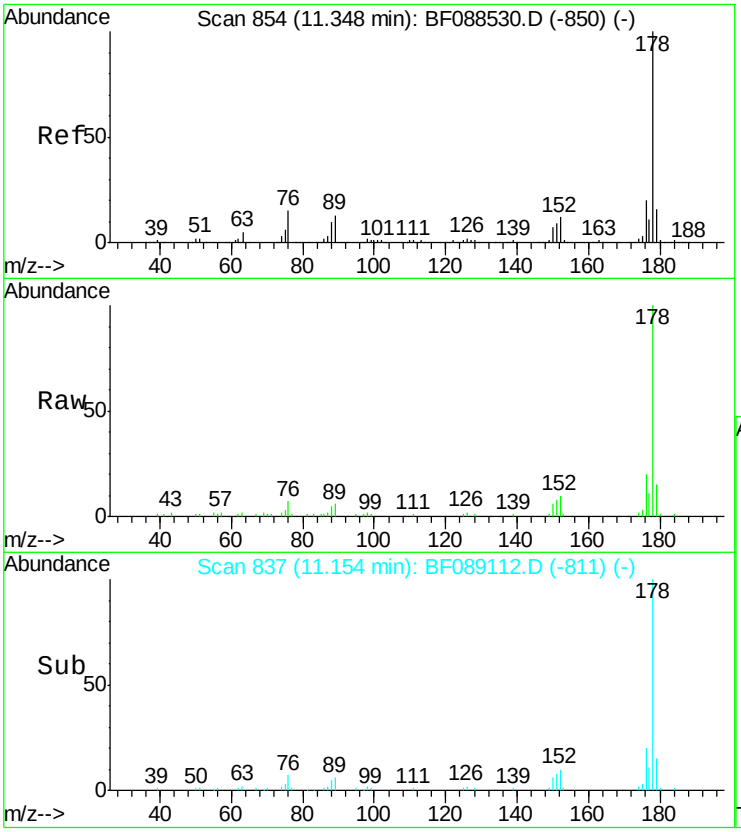


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:188 Resp: 171029

Ion	Ratio	Lower	Upper
188	100		
94	7.4	9.0	13.6#
80	8.1	10.0	15.0#



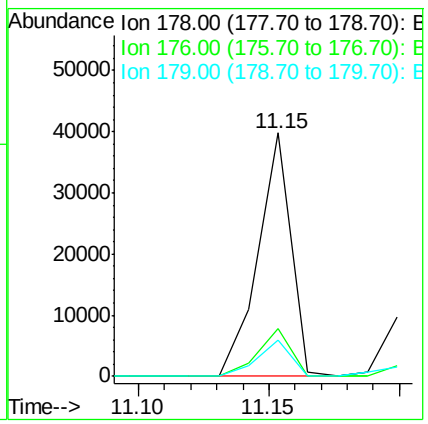


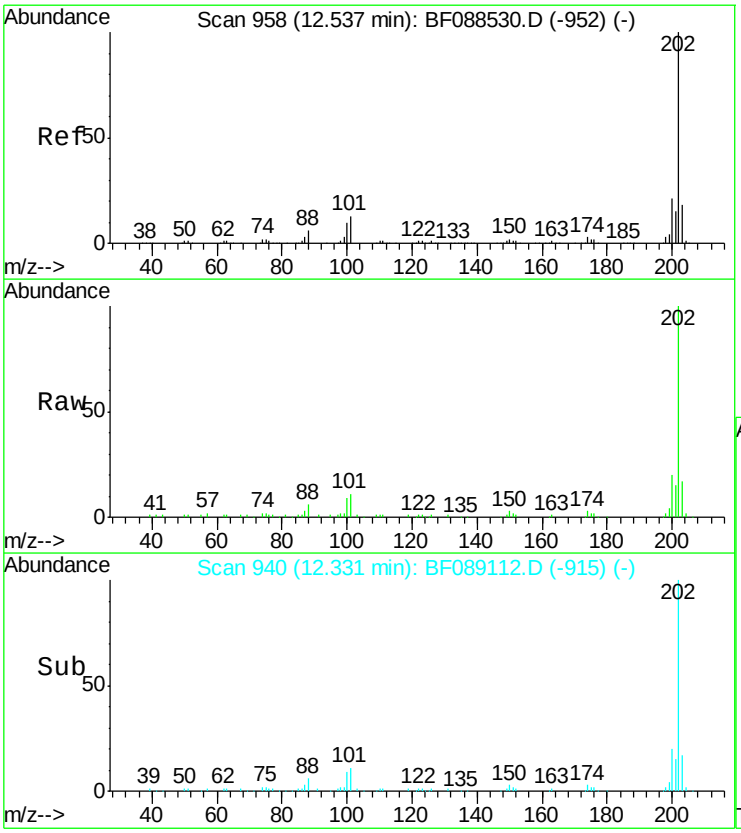
#70
Phenanthrene
Concen: 3.77 ng
RT: 11.15 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:178 Resp: 35271

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	14.9	13.0	19.4

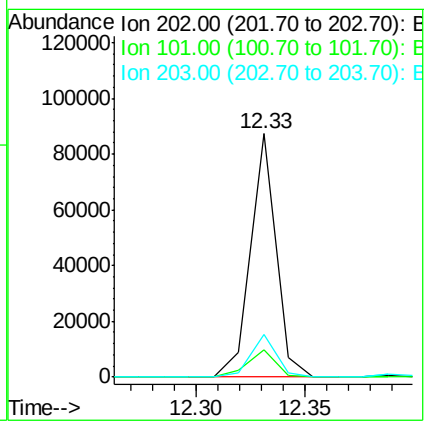


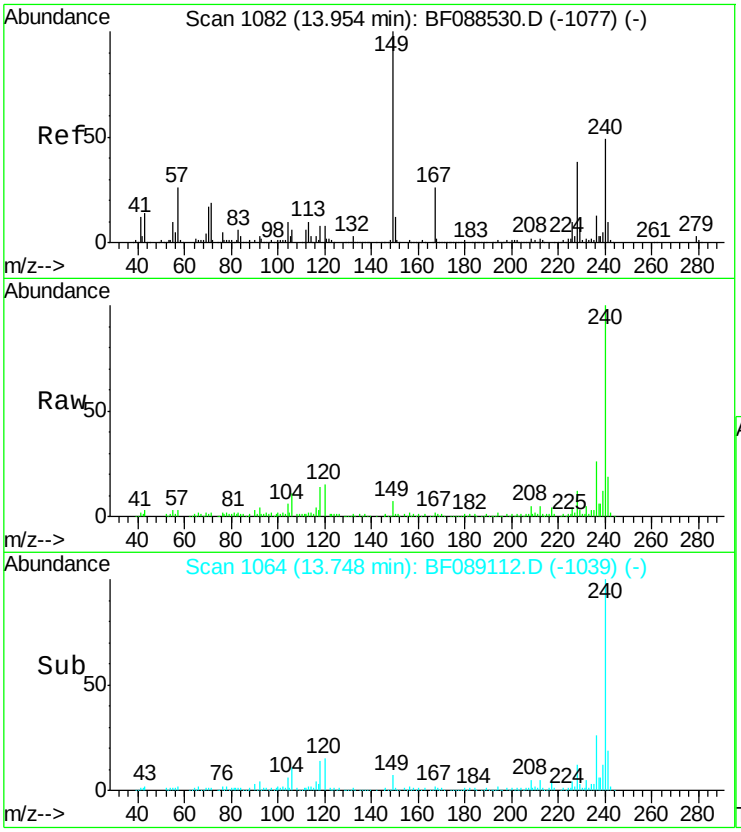


#74
Fluoranthene
Concen: 7.50 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:202 Resp: 71123

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.1
203	17.4	0.0	38.1



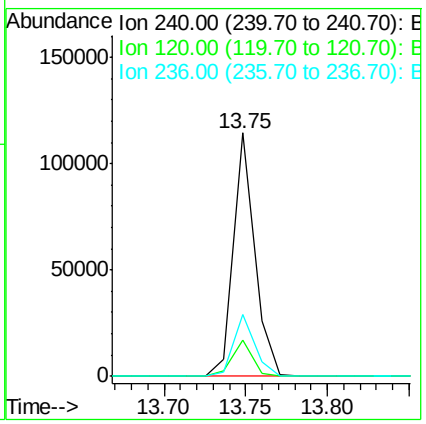


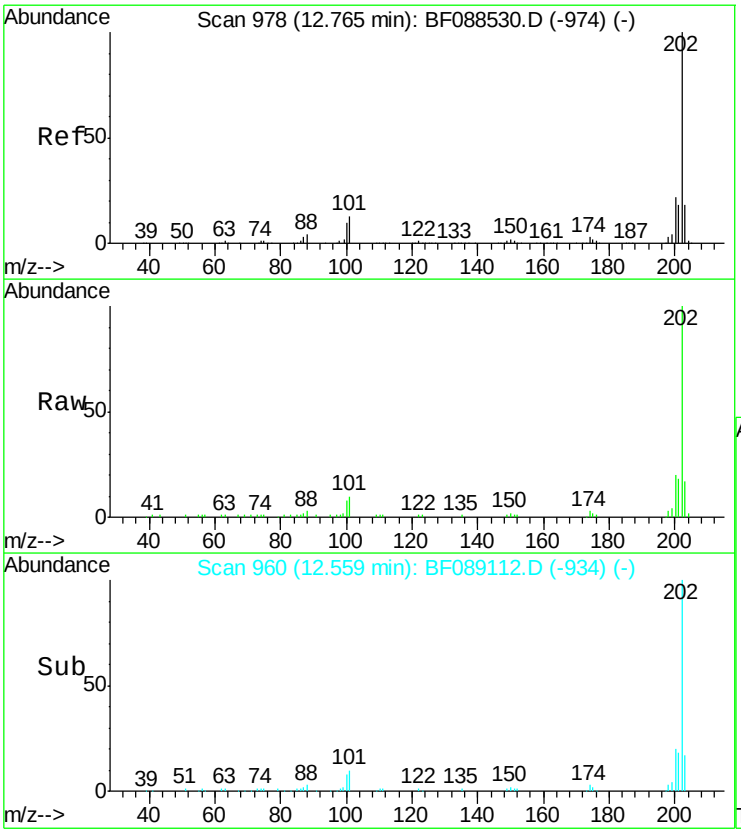
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:240 Resp: 102786

Ion	Ratio	Lower	Upper
240	100		
120	14.7	6.8	10.2#
236	25.6	20.2	30.2

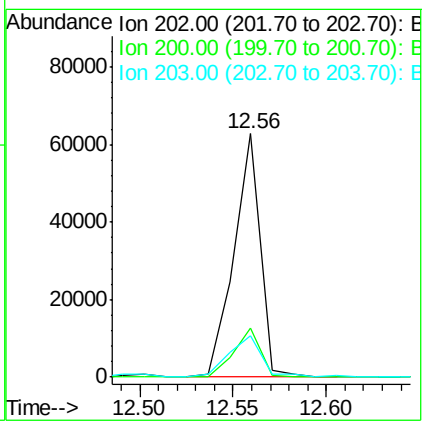


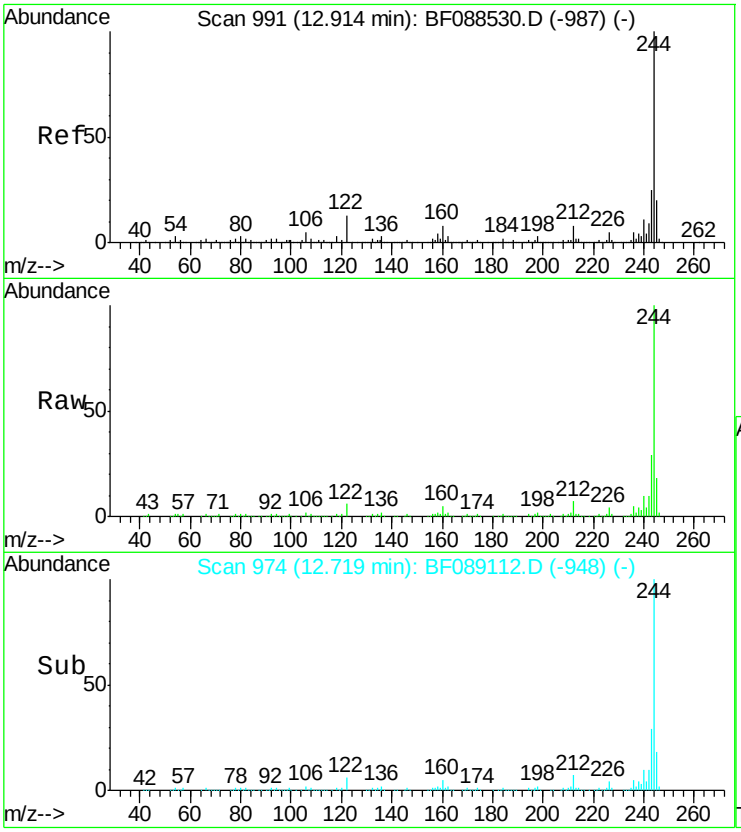


#77
Pyrene
Concen: 7.12 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:202 Resp: 62057

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.0	14.5	21.7



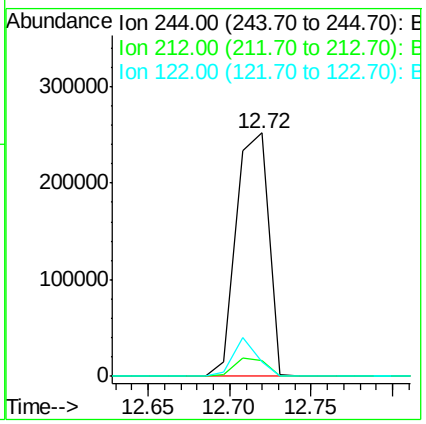


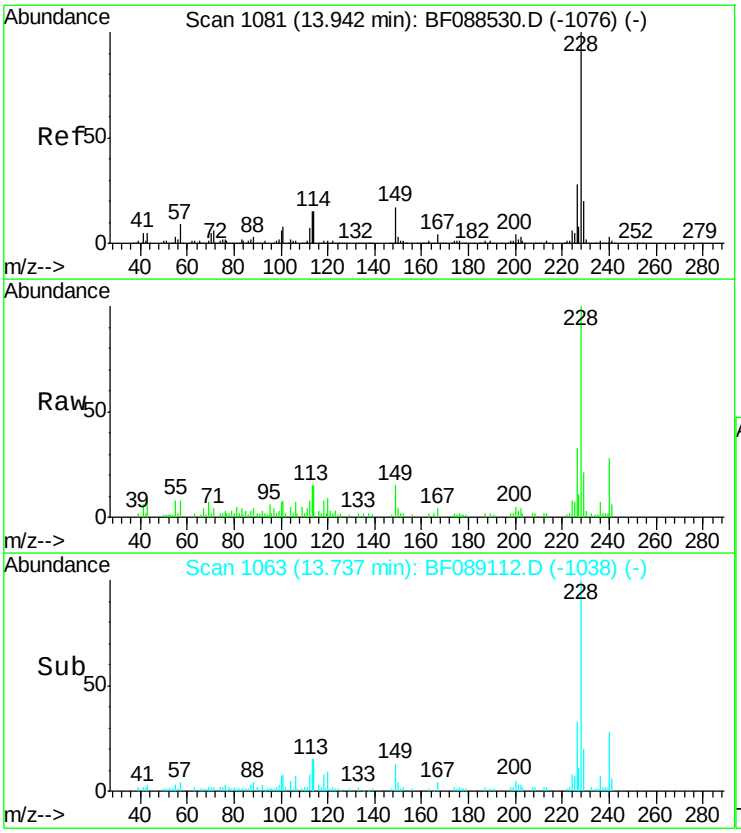
#78
Terphenyl-d14
Concen: 74.68 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:244 Resp: 344650

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	5.7	11.2	16.8#

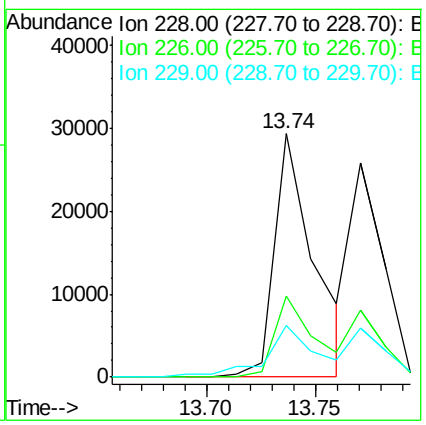


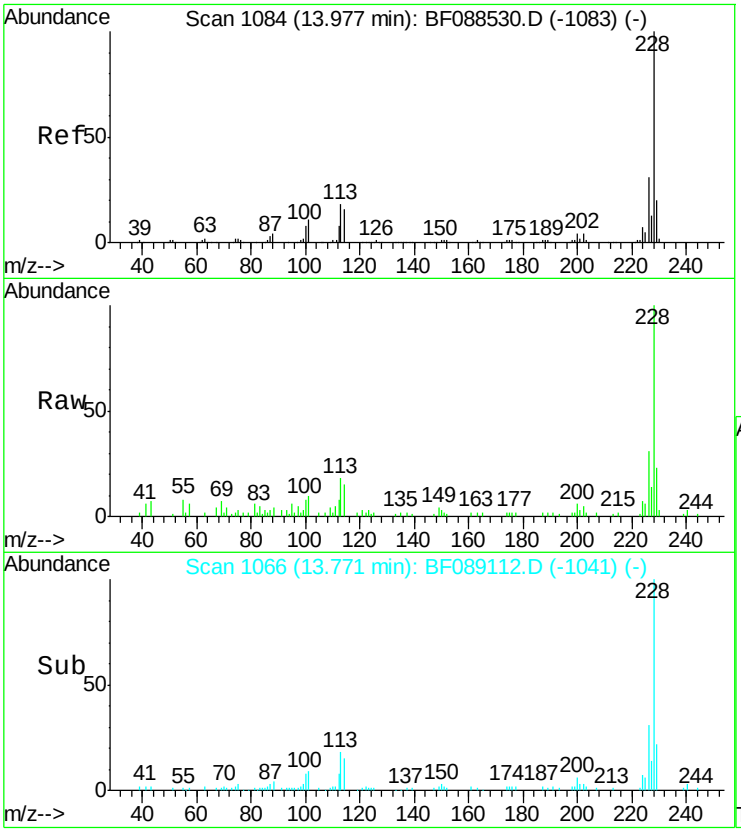


#80
Benzo(a)anthracene
Concen: 5.66 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:228 Resp: 37431

Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.3	33.5
229	21.1	16.0	24.0



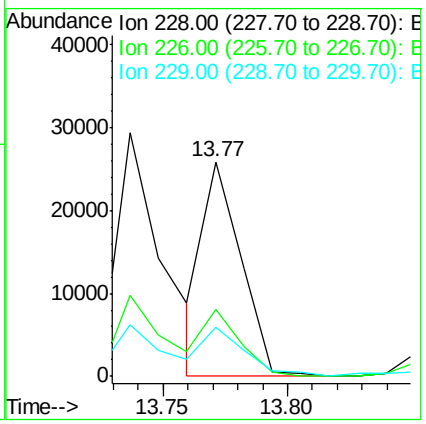


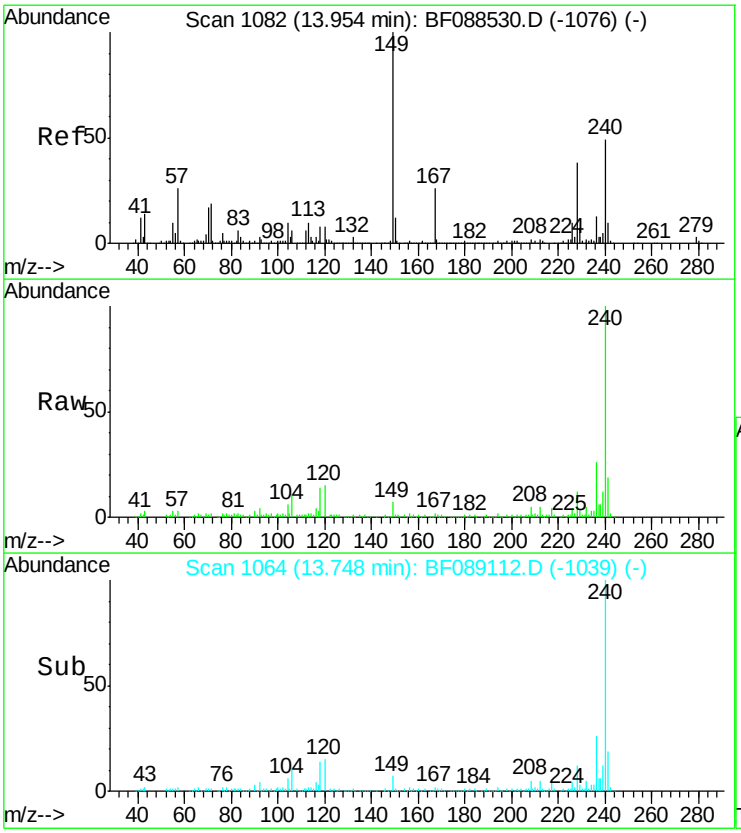
#82
Chrysene
Concen: 4.17 ng m
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:228 Resp: 27287

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.2
229	22.8	16.3	24.5

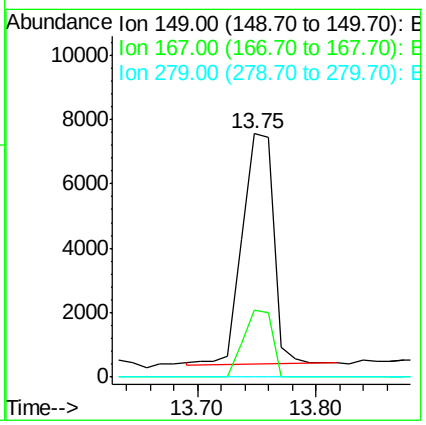


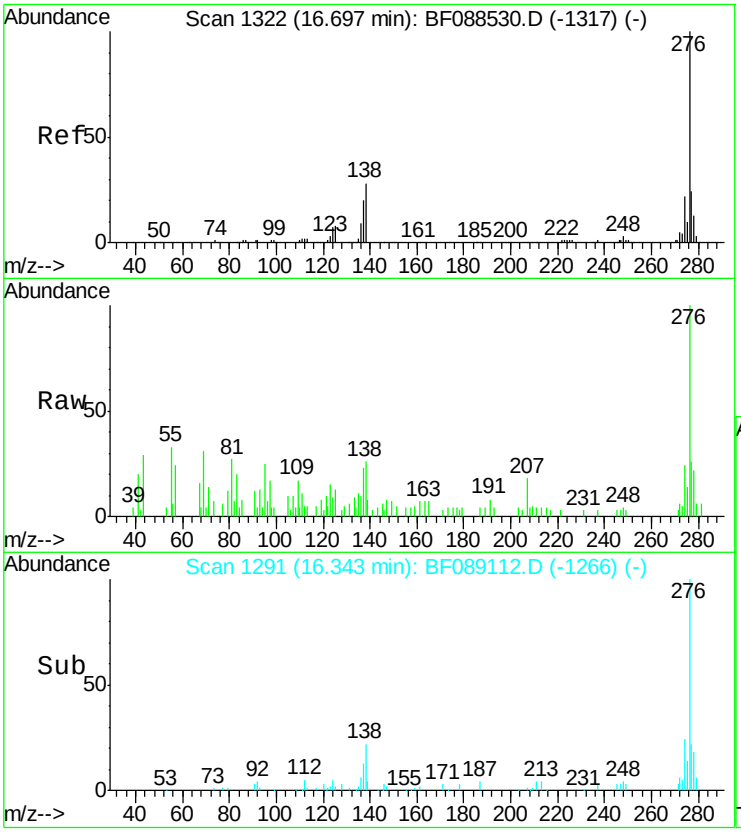


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.99 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:149 Resp: 13268

Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.5	30.7
279	0.0	2.0	3.0#



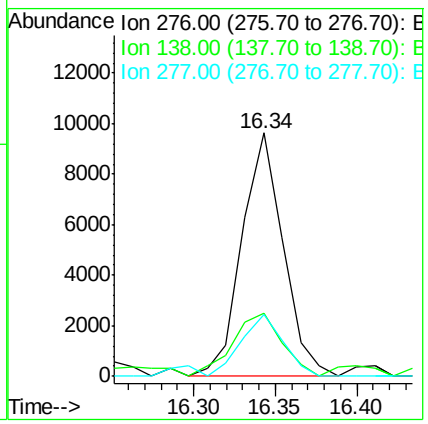


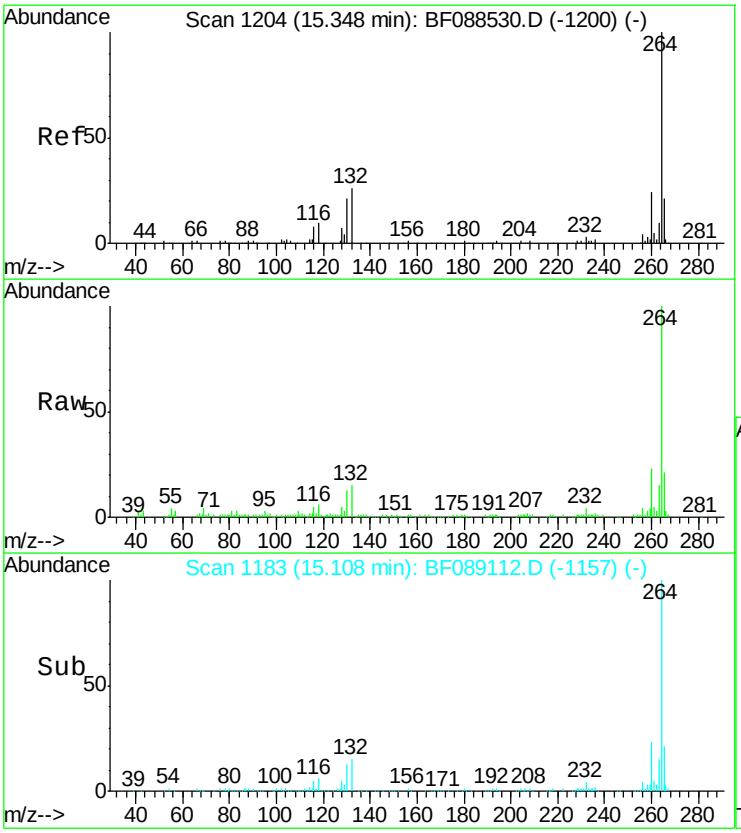
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.37 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:276 Resp: 16981

Ion	Ratio	Lower	Upper
276	100		
138	30.9	0.0	0.0#
277	29.0	0.0	0.0#

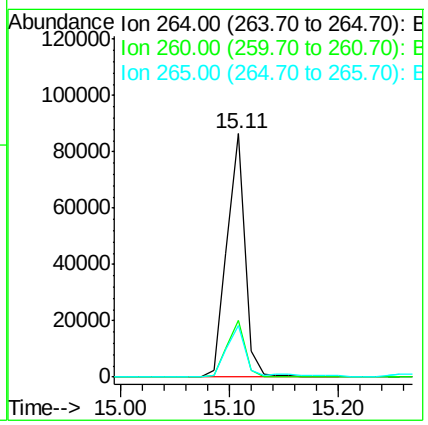


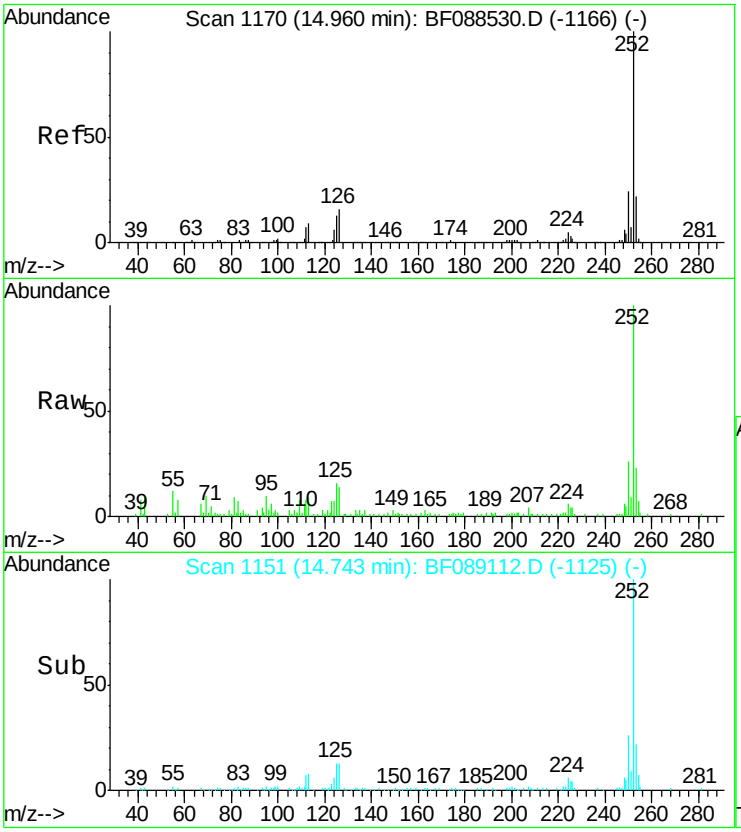


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:264 Resp: 99295

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	16.9	25.3



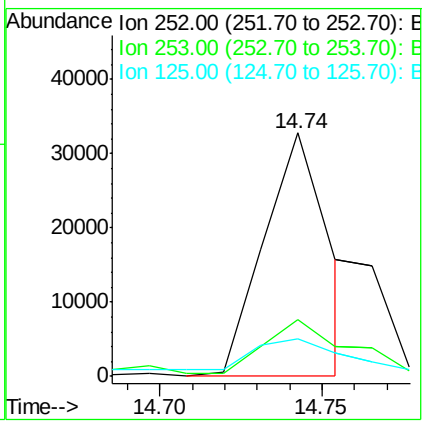


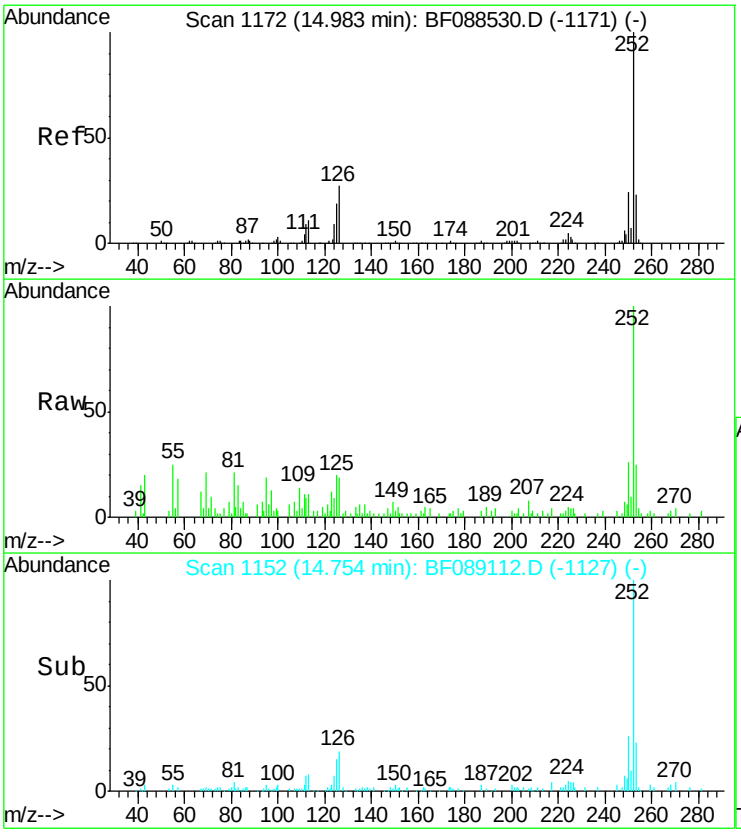
#87
Benzo(b)fluoranthene
Concen: 7.29 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:252 Resp: 45425

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	15.6	7.1	10.7#

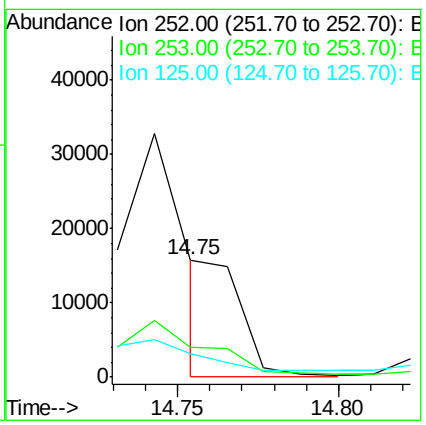


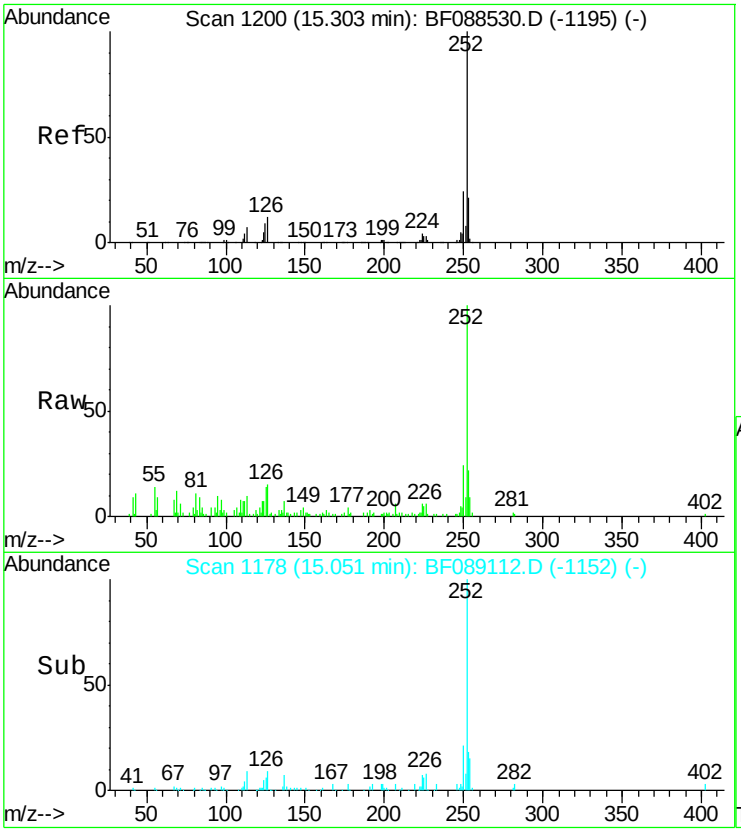


#88
Benzo(k)fluoranthene
Concen: 2.16 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:252 Resp: 11722

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	19.6	11.2	16.8#



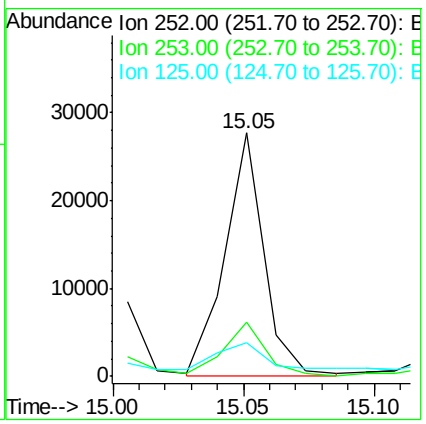


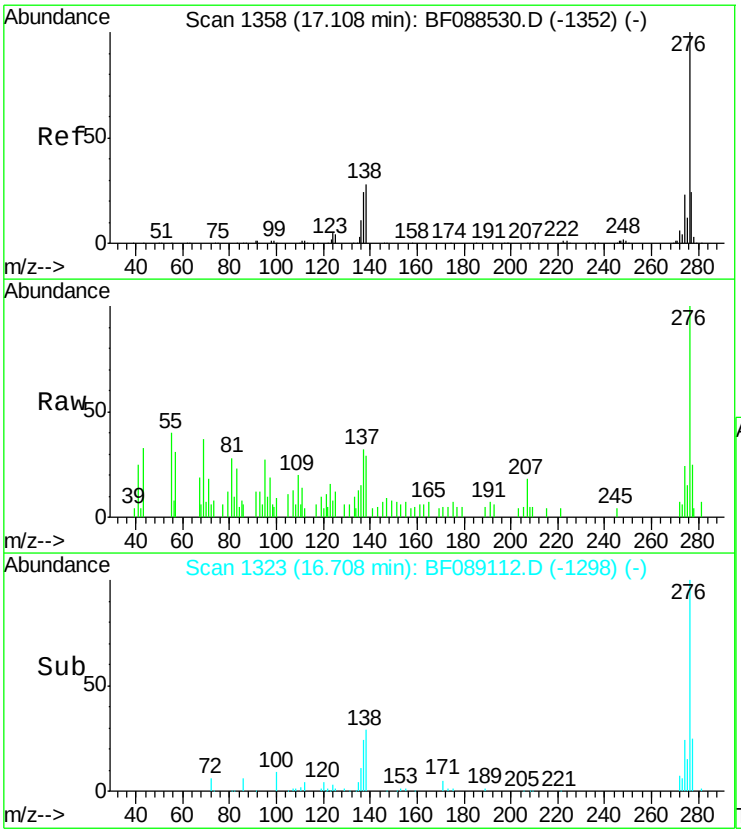
#89
Benzo(a)pyrene
Concen: 5.54 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:252 Resp: 29216

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.9	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 3.29 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:276 Resp: 15015

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	28.8	21.4	32.2