Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
Data File : BF088797.D
Acq On : 8 Jul 2016 00:05
Operator : UM/SJ
Sample : H3889-12 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Time: Jul 08 01:45:00 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 17:15:08 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	91998	20.00	ng		-0.03
21) Naphthalene-d8	8.02	136	322667	20.00	ng		-0.05
38) Acenaphthene-d10	9.78	164	131929	20.00	ng		-0.03
63) Phenanthrene-d10	11.26	188	208601	20.00	ng		-0.03
75) Chrysene-d12	13.89	240	188416	20.00	ng		-0.03
86) Perylene-d12	15.27	264	151682	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	16872	2.75	ng		-0.05
7) Phenol-d6	6.36	99	23506	2.96	ng		-0.05
23) Nitrobenzene-d5	7.30	82	13086	2.13	ng		-0.05
41) 2,4,6-Tribromophenol	10.56	330	2797	2.28	ng		-0.05
44) 2-Fluorobiphenyl	9.11	172	22516	2.70	ng		-0.03
78) Terphenyl-d14	12.83	244	15790	1.87	ng		-0.03
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	9.78	165	16431	7.89	ng	#	37
56) 2,4-Dinitrotoluene	9.78	165	16431	6.03	ng	#	36
70) Phenanthrene	11.28	178	34267	3.01	ng		96
74) Fluoranthene	12.46	202	68373	5.91	ng		96
77) Pyrene	12.69	202	67563	4.23	ng		98
80) Benzo(a)anthracene	13.87	228	31757	2.62	ng		96
82) Chrysene	13.87	228	31757	2.65	ng		98
87) Benzo(b)fluoranthene	14.88	252	47708	5.01	ng	#	94
88) Benzo(k)fluoranthene	14.88	252	47708	5.76	ng		99
89) Benzo(a)pyrene	15.21	252	24456	3.04	ng		97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
Data File : BF088797.D
Acq On : 8 Jul 2016 00:05
Operator : UM/SJ
Sample : H3889-12 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Time: Jul 08 01:45:00 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 17:15:08 2016
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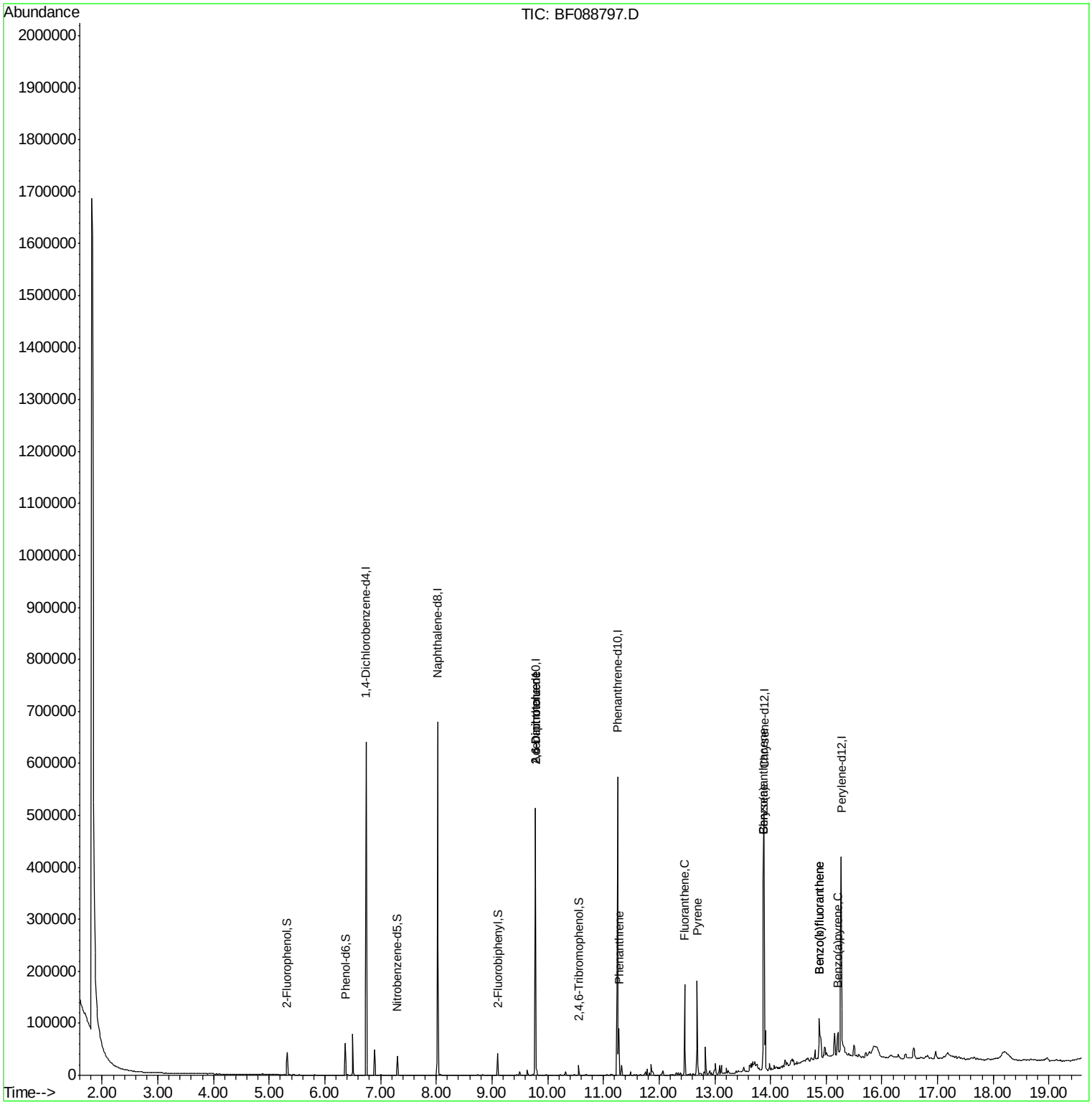
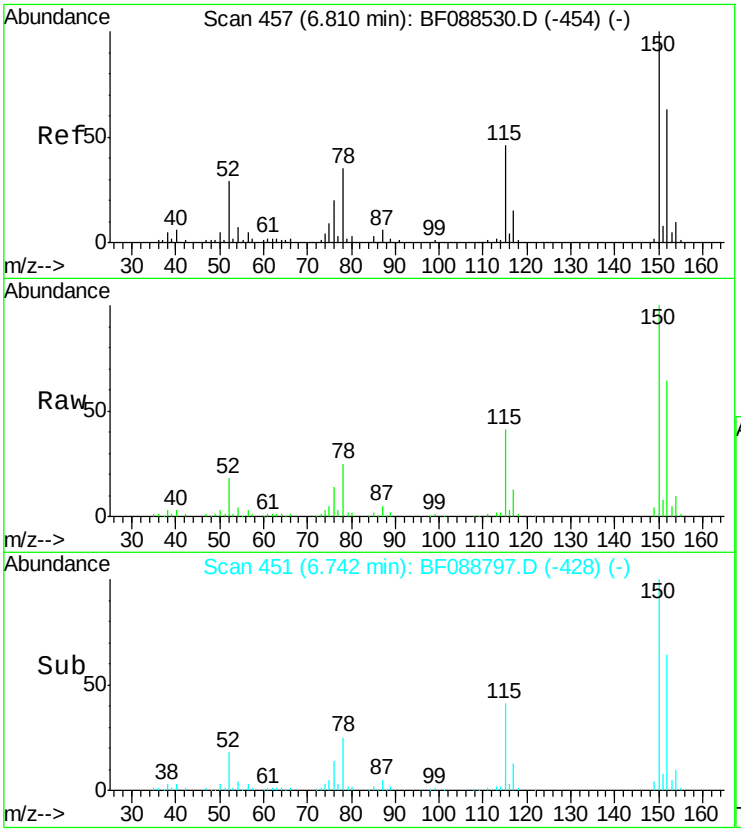


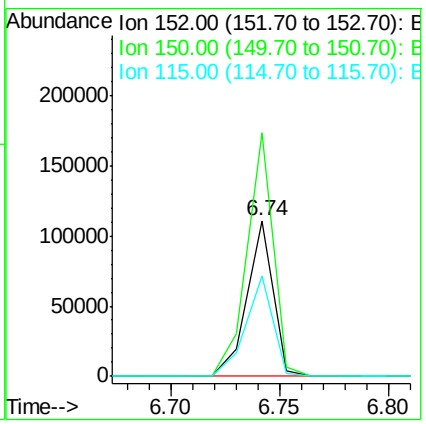


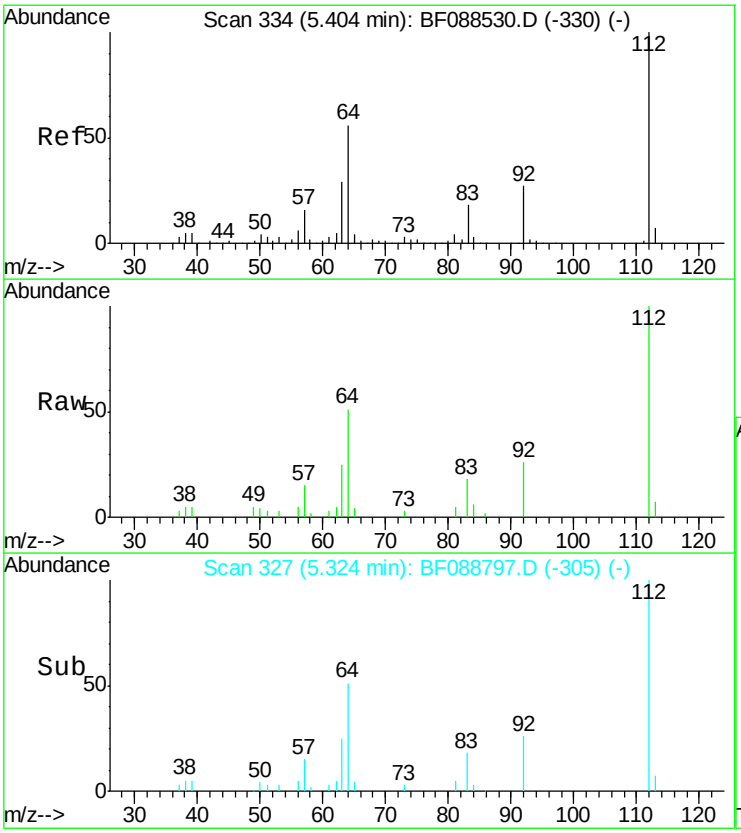
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:152 Resp: 91998

Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.8	185.6
115	64.3	39.6	59.4#

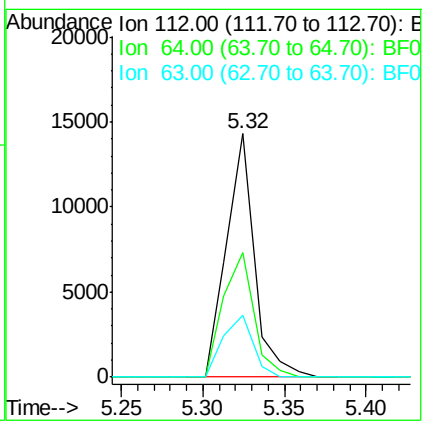


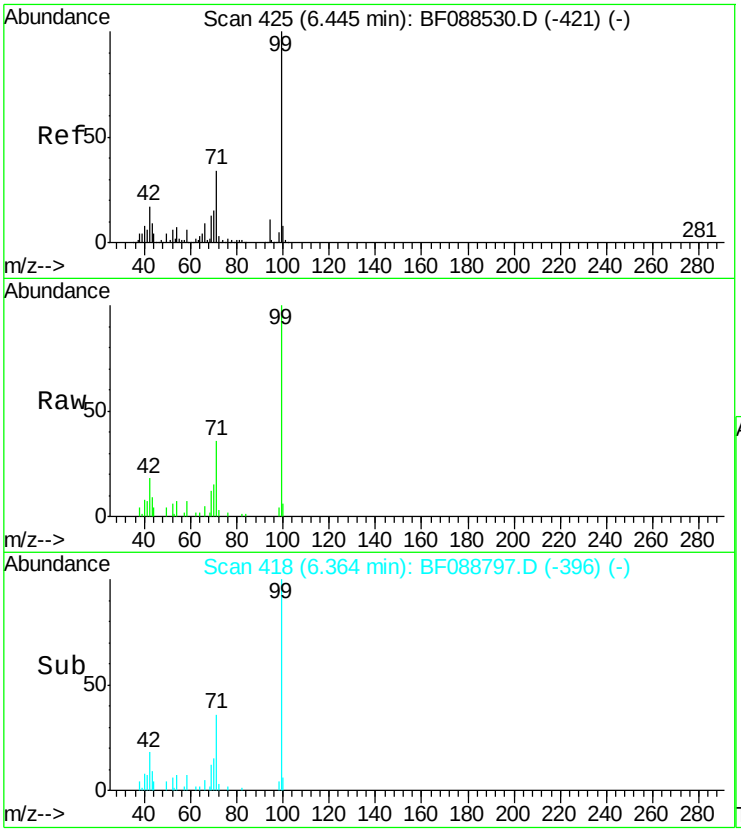


#5
2-Fluorophenol
Concen: 2.75 ng
RT: 5.32 min Scan# 327
Delta R.T. -0.05 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:112 Resp: 16872

Ion	Ratio	Lower	Upper
112	100		
64	51.2	42.2	63.2
63	25.5	21.8	32.8



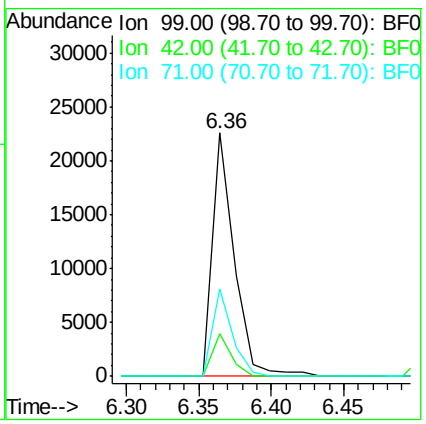


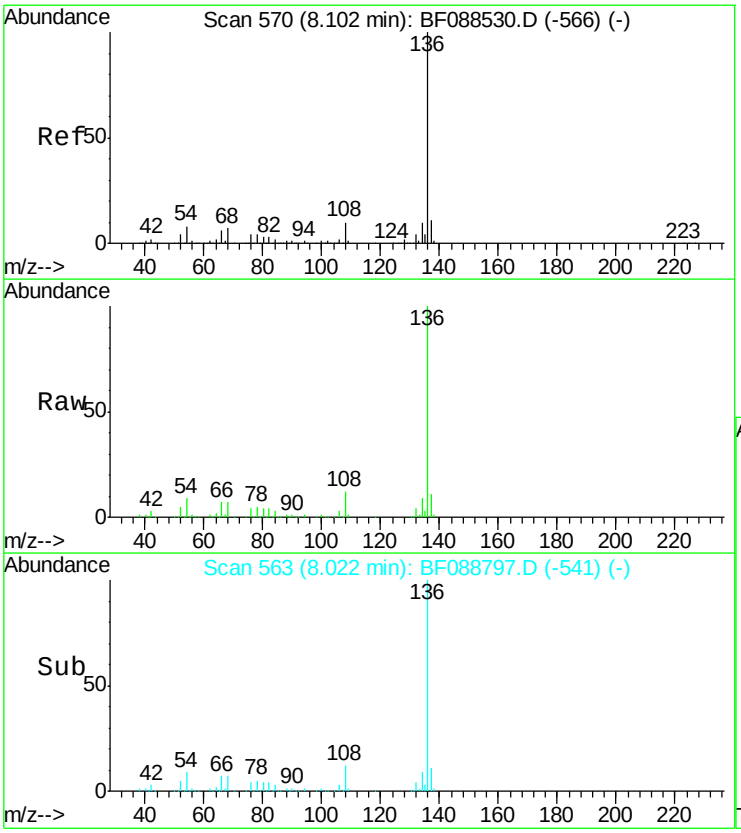
#7
Phenol-d6
Concen: 2.96 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.05 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion: 99 Resp: 23506

Ion	Ratio	Lower	Upper
99	100		
42	17.5	12.2	18.2
71	35.9	23.4	35.0#

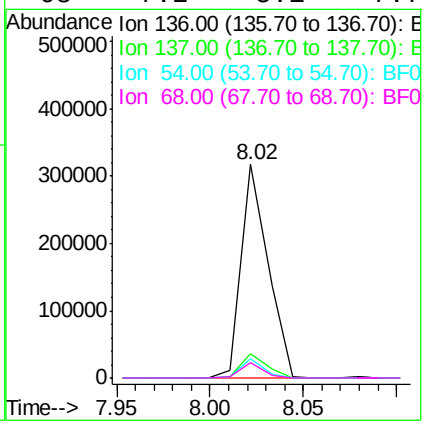


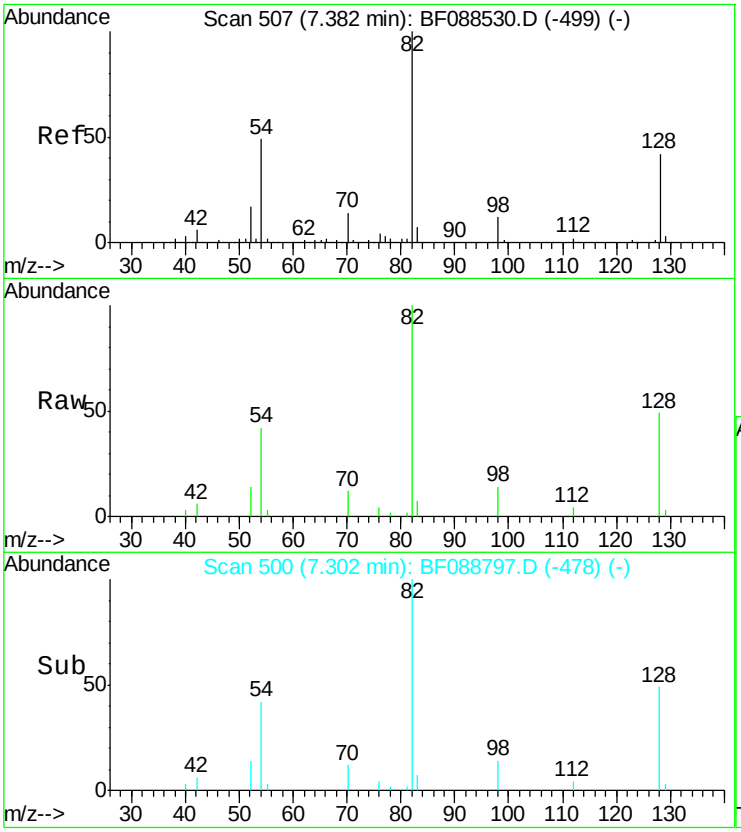


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.05 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:136 Resp: 322667

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	9.2	6.6	10.0
68	7.2	5.1	7.7



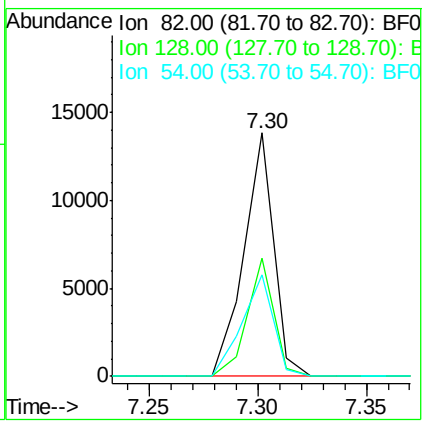


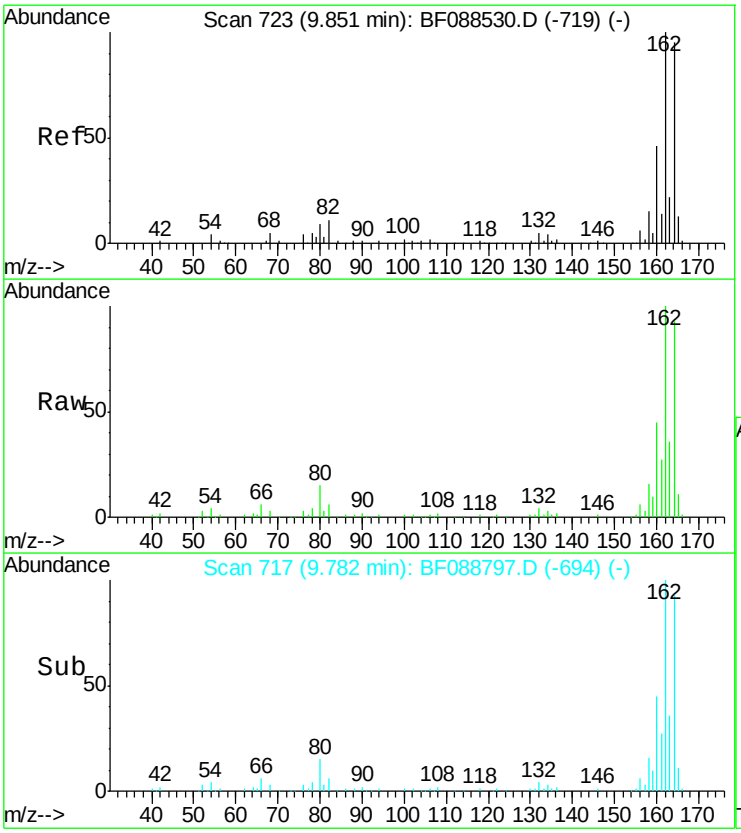
#23
Nitrobenzene-d5
Concen: 2.13 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.05 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion: 82 Resp: 13086

Ion	Ratio	Lower	Upper
82	100		
128	48.6	35.9	53.9
54	41.8	40.9	61.3

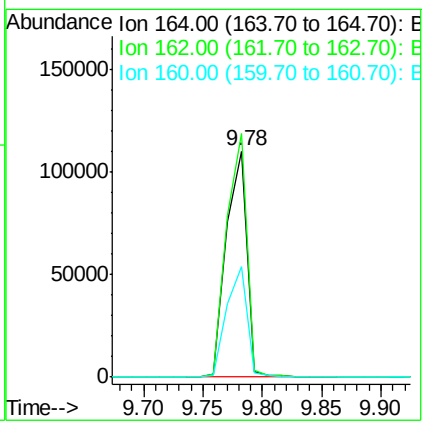


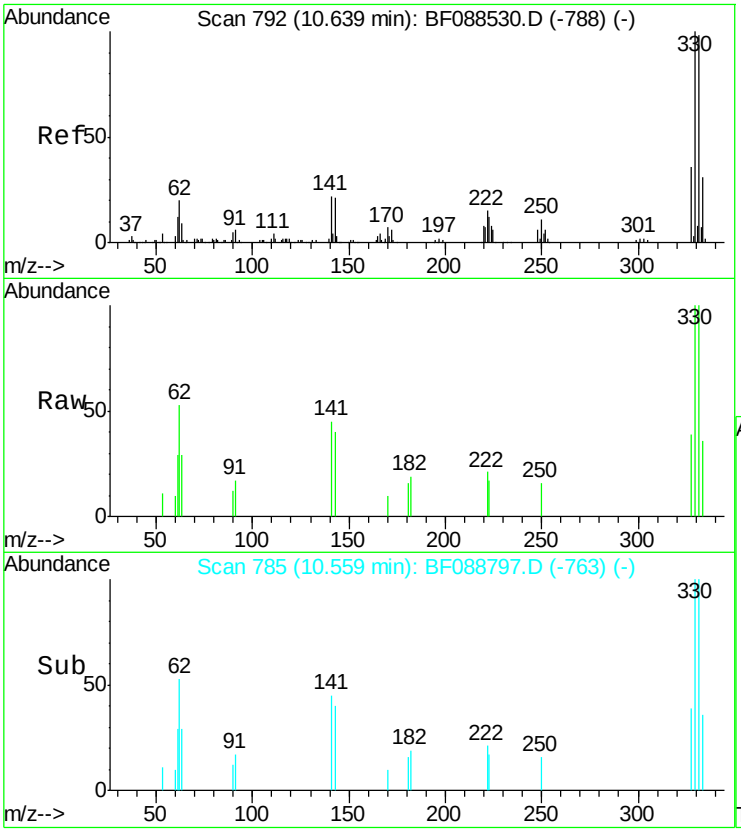


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:164 Resp: 131929

Ion	Ratio	Lower	Upper
164	100		
162	107.6	85.4	128.2
160	48.7	39.5	59.3



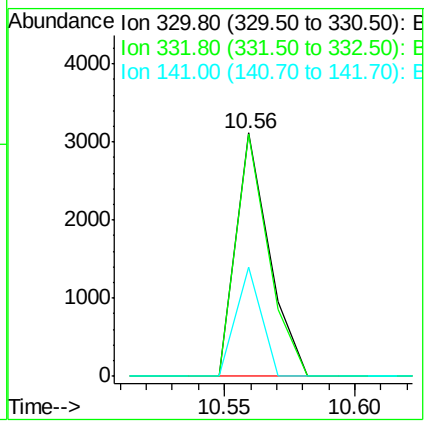


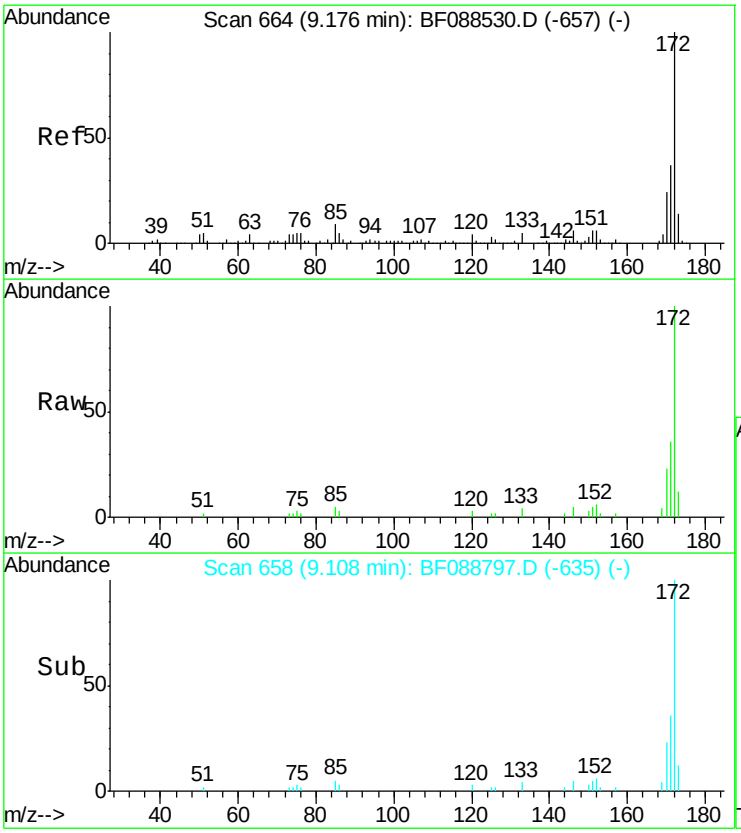
#41
2,4,6-Tribromophenol
Concen: 2.28 ng
RT: 10.56 min Scan# 785
Delta R.T. -0.05 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:330 Resp: 2797

Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	34.1	0.0	0.0#

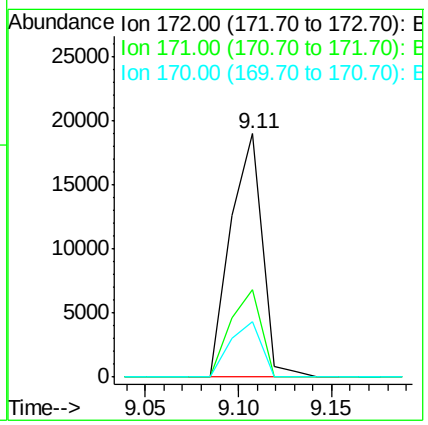


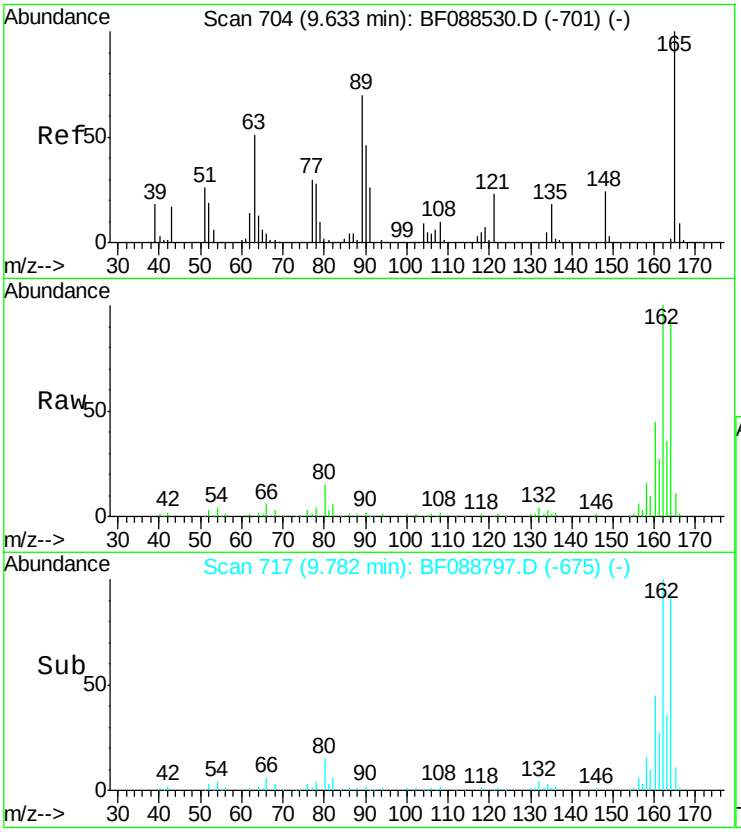


#44
2-Fluorobiphenyl
Concen: 2.70 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:172 Resp: 22516

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	22.6	19.2	28.8



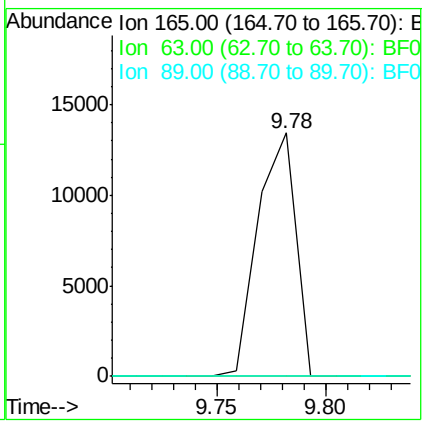


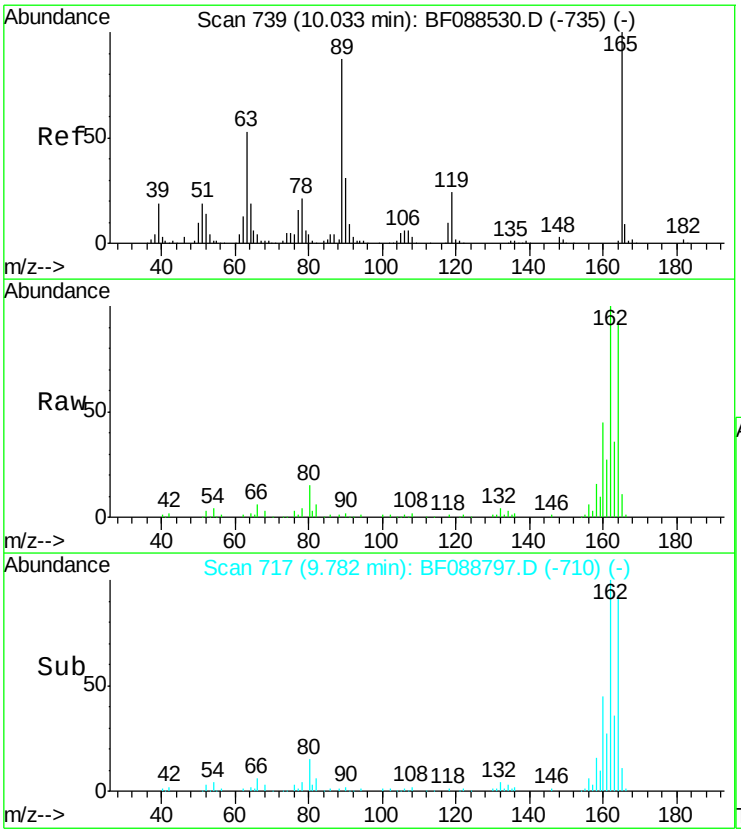
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.78 min Scan# 717
Delta R.T. 0.18 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:165 Resp: 16431

Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#

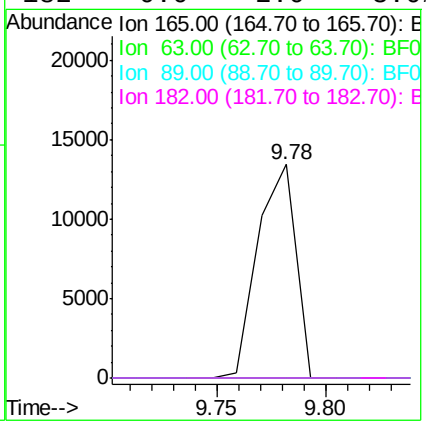


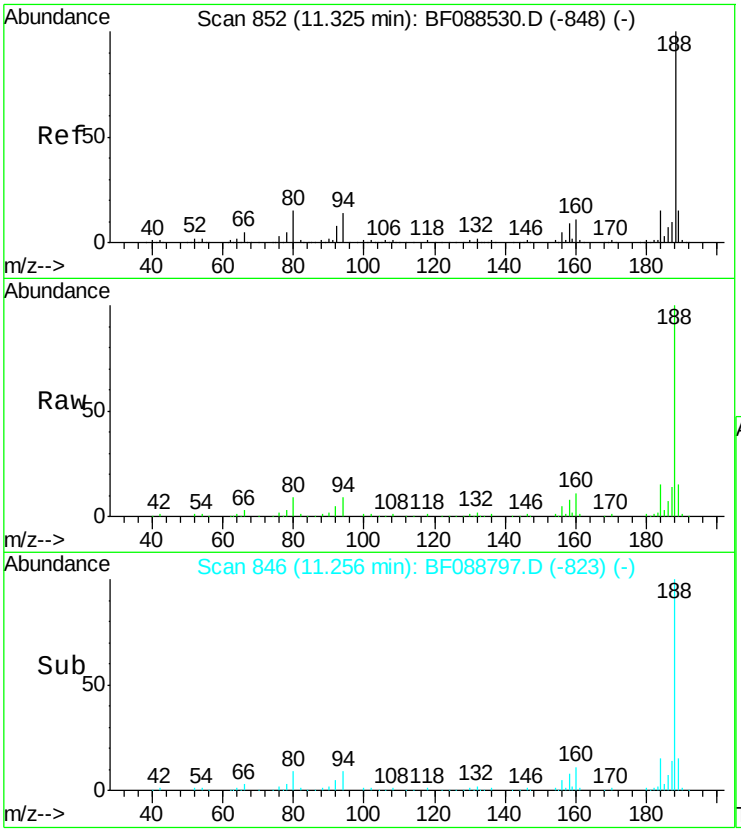


#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.22 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:165 Resp: 16431

Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



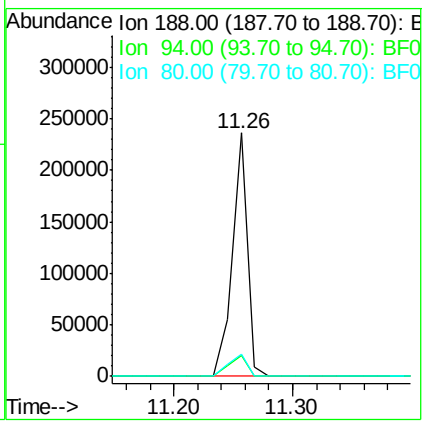


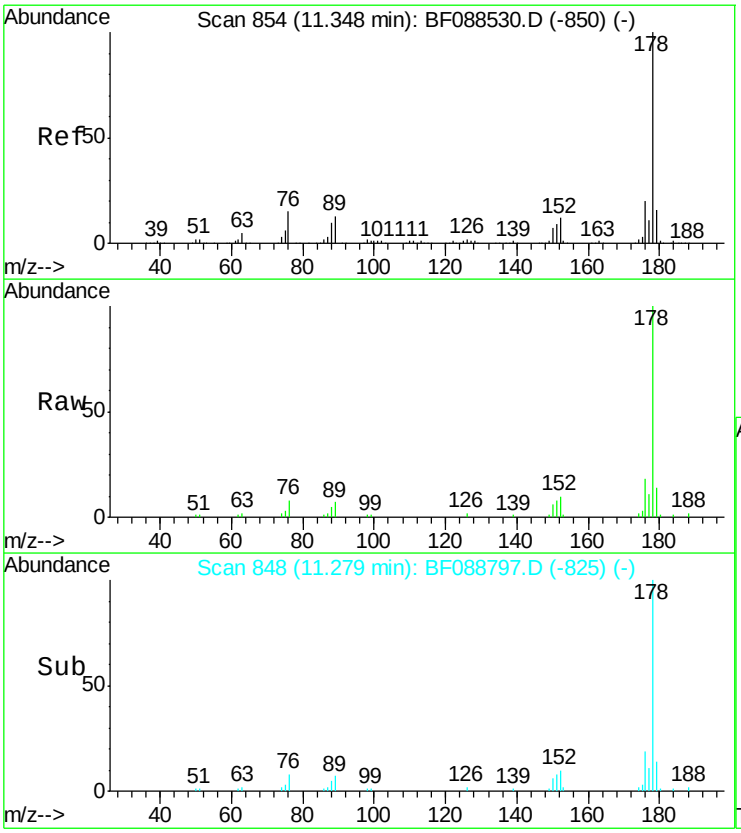
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:188 Resp: 208601

Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.6#
80	9.2	10.0	15.0#

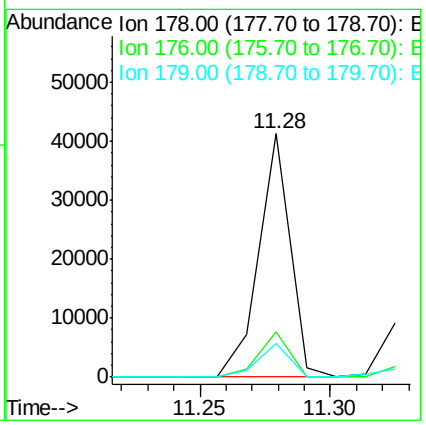


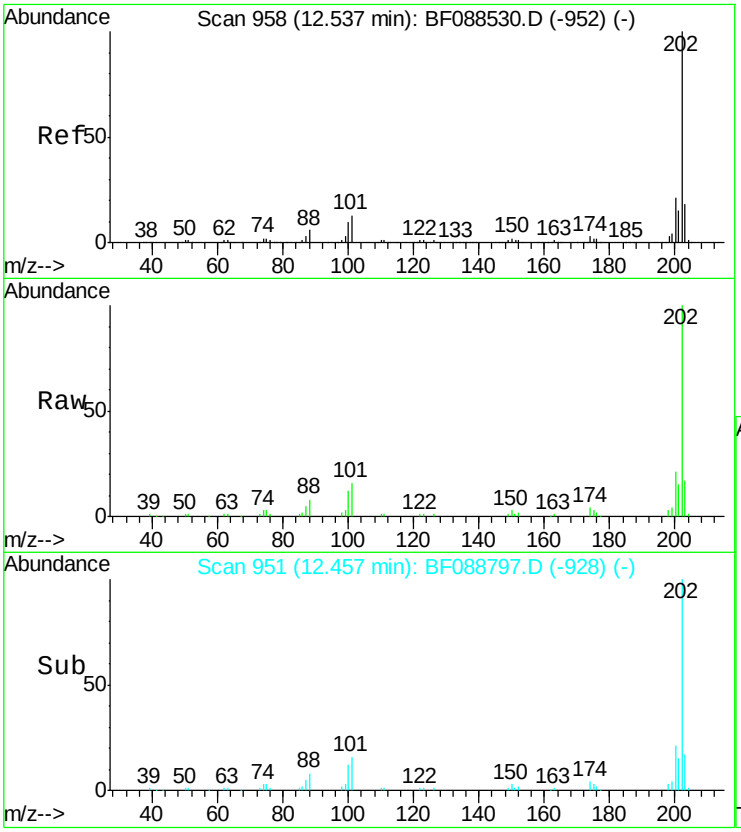


#70
Phenanthrene
Concen: 3.01 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:178 Resp: 34267

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	14.1	13.0	19.4



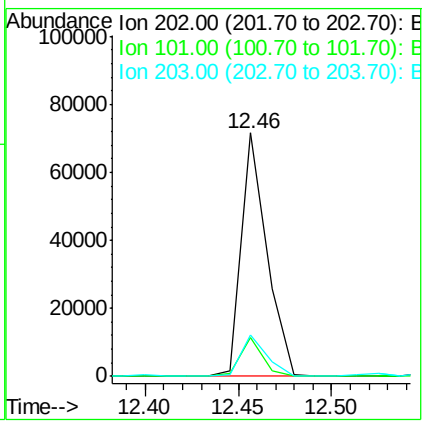


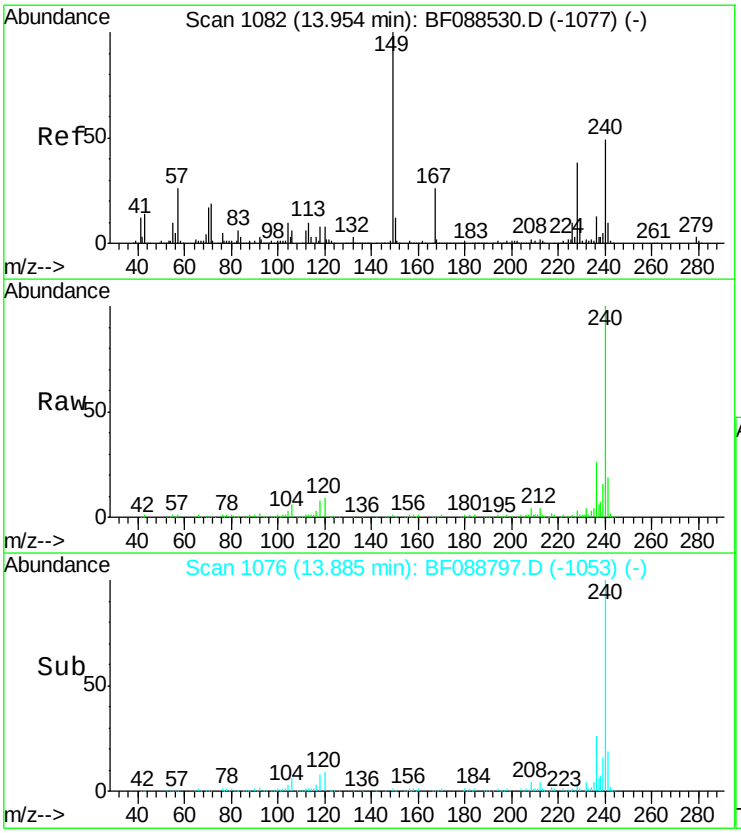
#74
Fluoranthene
Concen: 5.91 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:202 Resp: 68373

Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	33.1
203	17.1	0.0	38.1

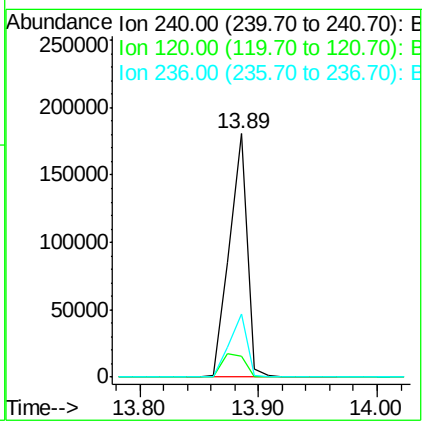


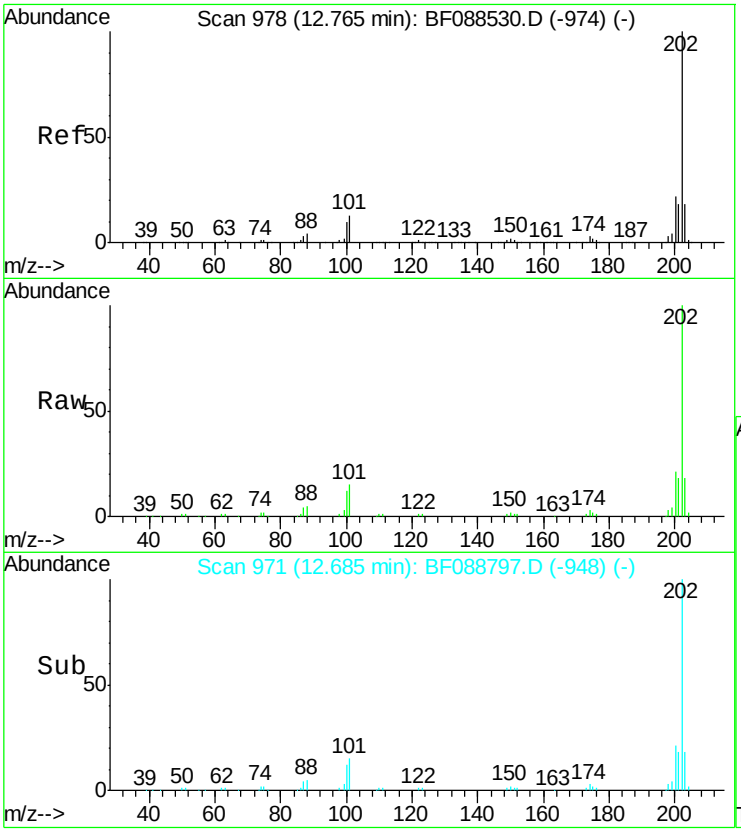


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:240 Resp: 188416

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.8	10.2
236	26.0	20.2	30.2



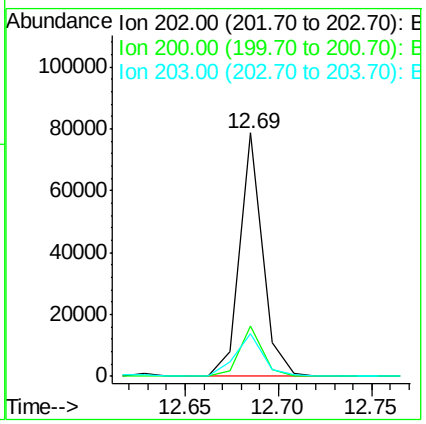


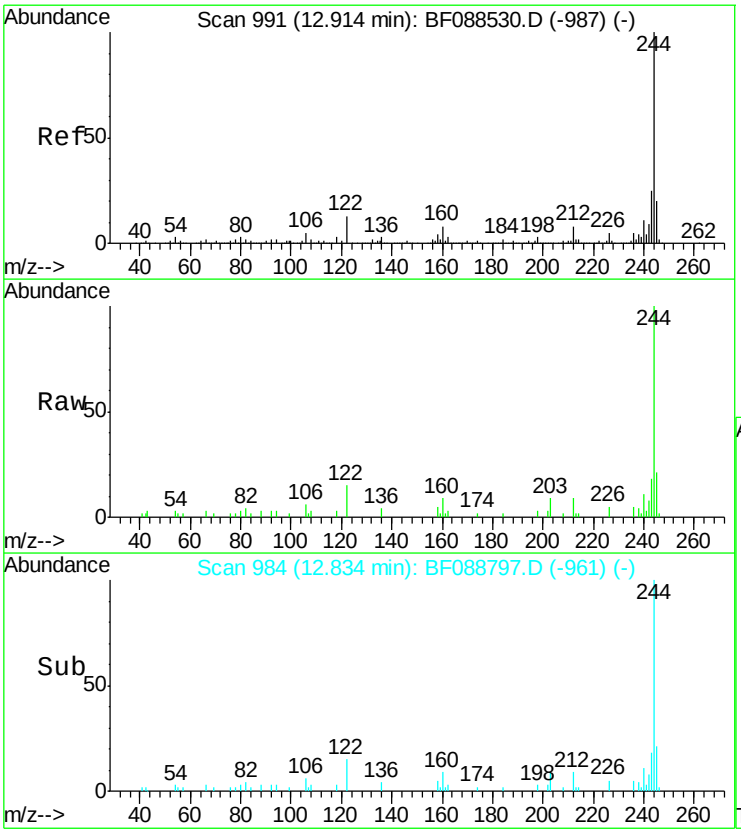
#77
Pyrene
Concen: 4.23 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:202 Resp: 67563

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.5	14.5	21.7

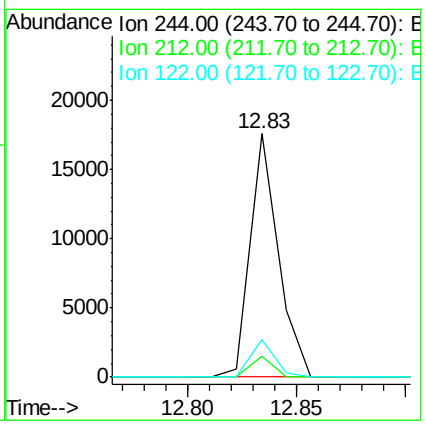


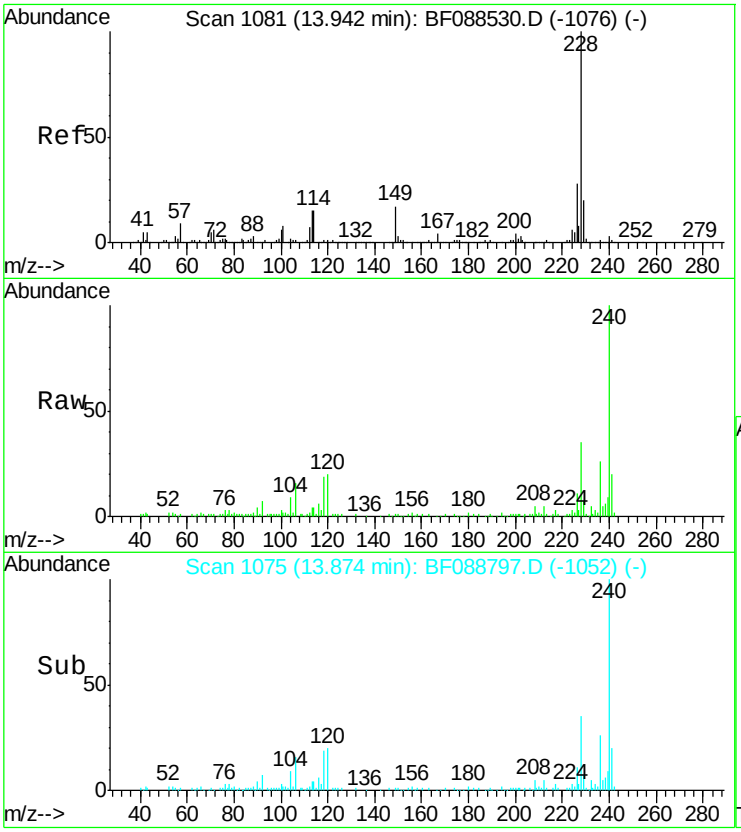


#78
Terphenyl-d14
Concen: 1.87 ng
RT: 12.83 min Scan# 984
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:244 Resp: 15790

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.0	9.0
122	15.2	11.2	16.8



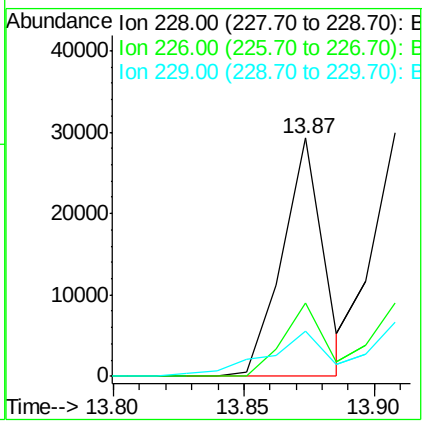


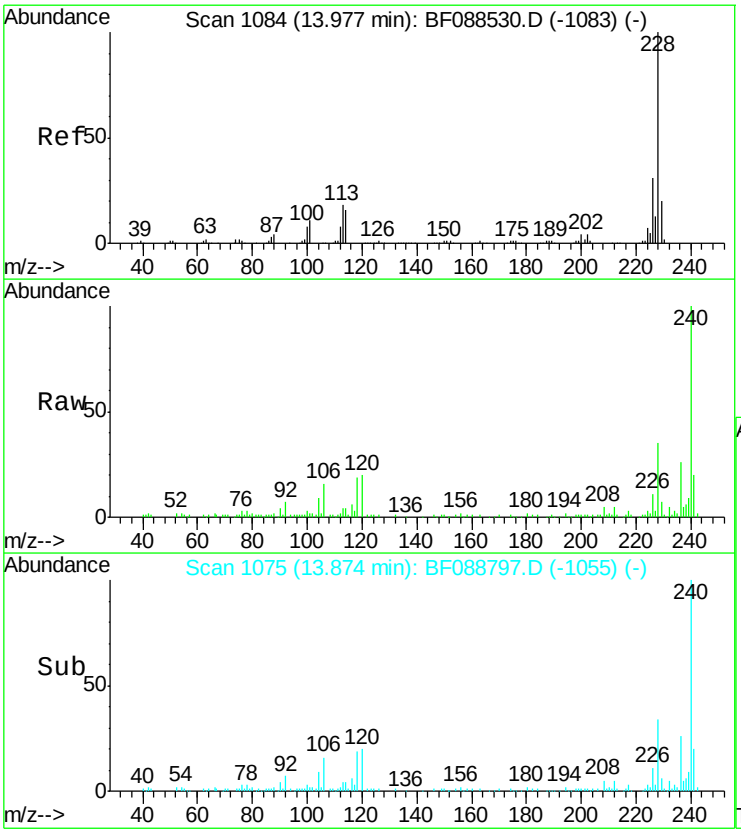
#80
Benzo(a)anthracene
Concen: 2.62 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:228 Resp: 31757

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.3	33.5
229	19.2	16.0	24.0

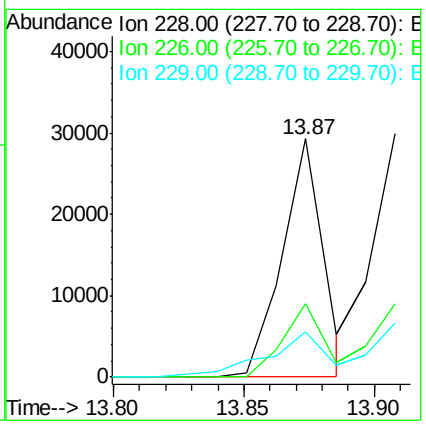


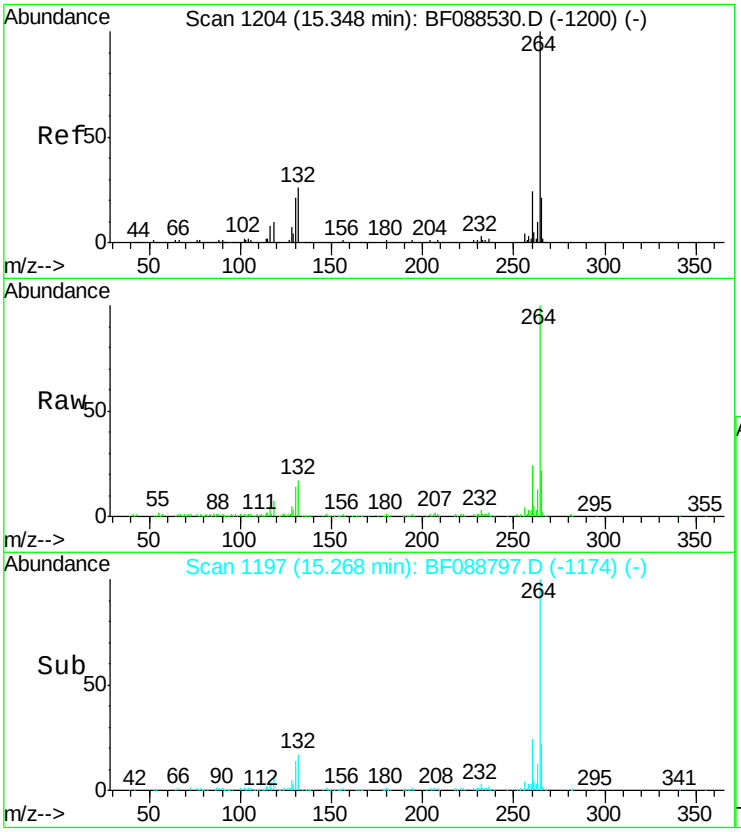


#82
Chrysene
Concen: 2.65 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.07 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:228 Resp: 31757

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	19.2	16.3	24.5



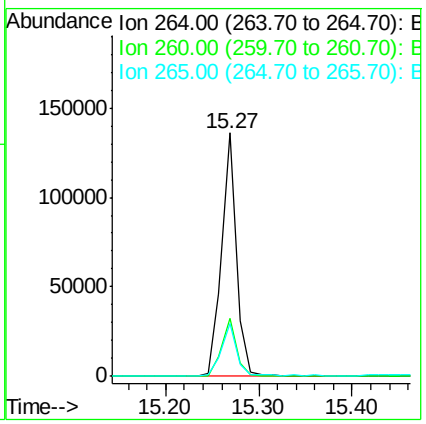


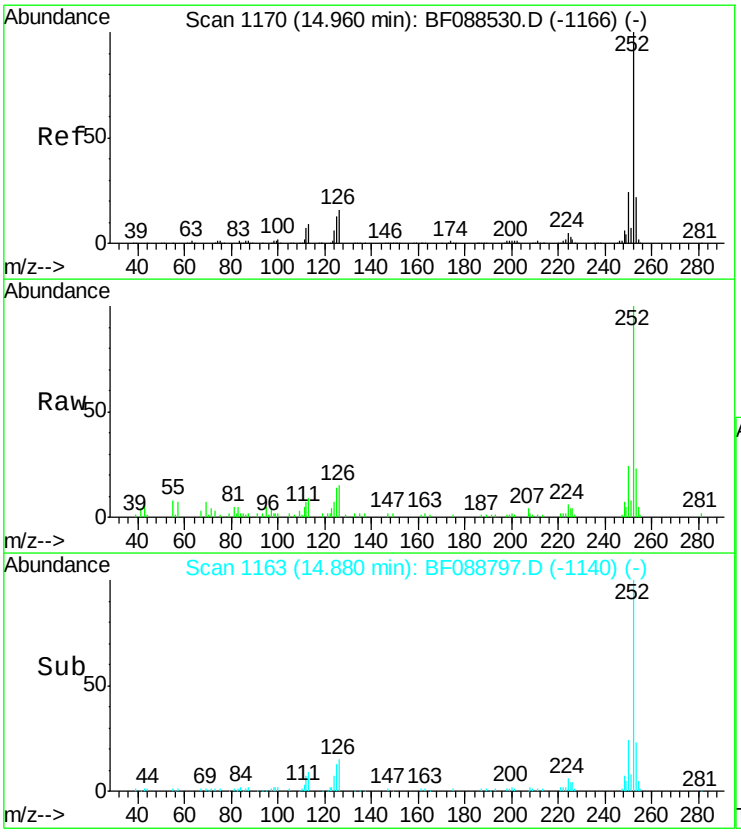
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:264 Resp: 151682

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	16.9	25.3

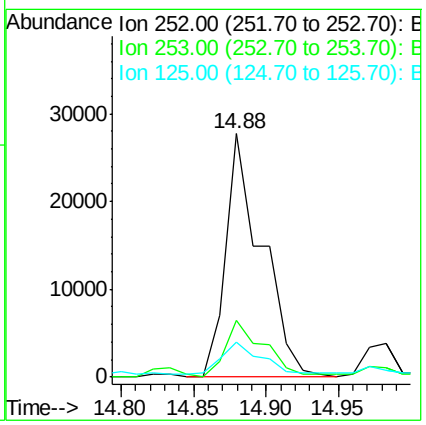


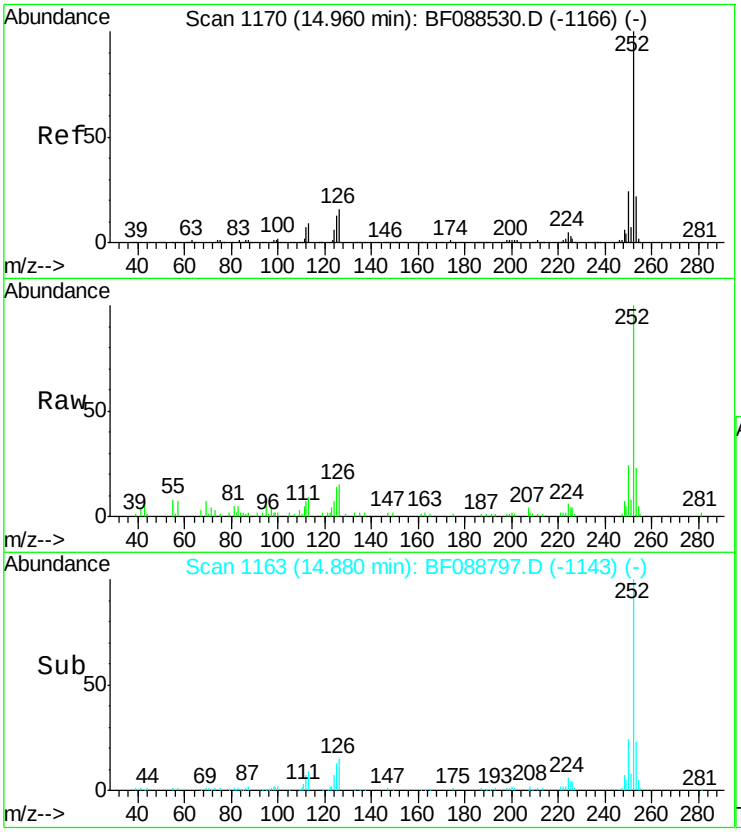


#87
Benzo(b)fluoranthene
Concen: 5.01 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:252 Resp: 47708

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.3	7.1	10.7#



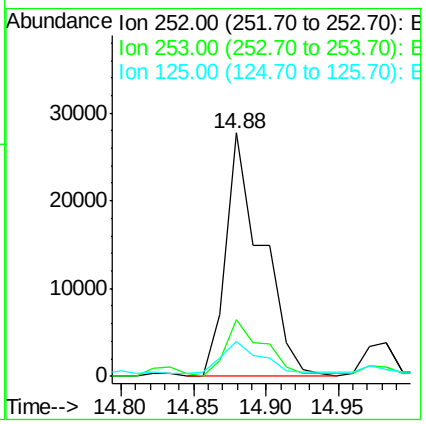


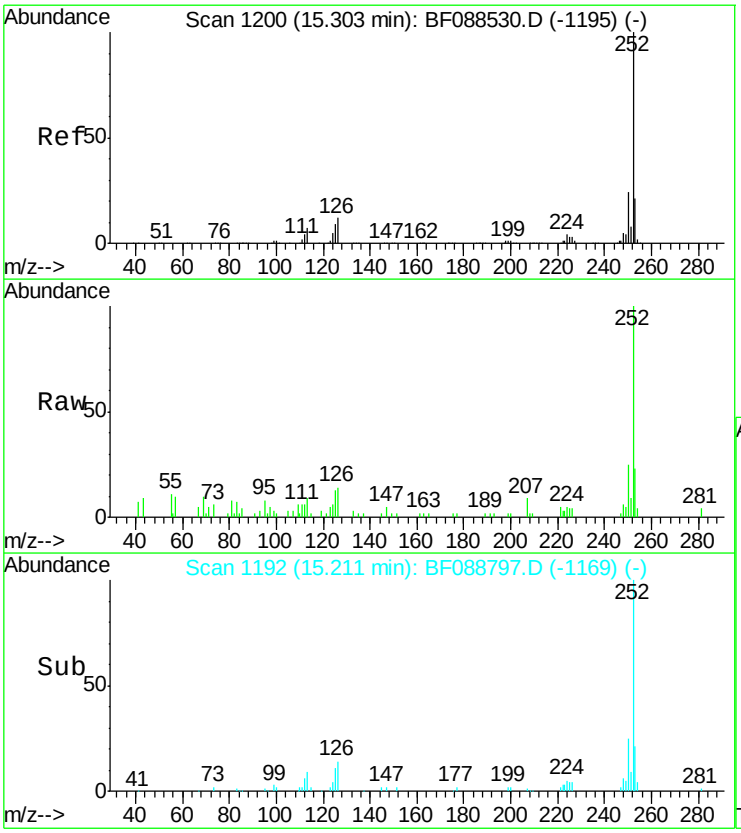
#88
Benzo(k)fluoranthene
Concen: 5.76 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.07 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:252 Resp: 47708

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.3	11.2	16.8





#89
Benzo(a)pyrene
Concen: 3.04 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:252 Resp: 24456

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.3	12.5	18.7