Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088629.D
Acq On : 2 Jul 2016 21:02
Operator : UM/SJ
Sample : H3847-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R5-B2(0-6)C

Quant Time: Jul 03 03:05:03 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111000	20.00	ng		-0.01
21) Naphthalene-d8	8.08	136	436310	20.00	ng		-0.02
38) Acenaphthene-d10	9.83	164	172177	20.00	ng		-0.02
63) Phenanthrene-d10	11.30	188	244653	20.00	ng		-0.02
75) Chrysene-d12	13.93	240	221029	20.00	ng		-0.02
86) Perylene-d12	15.34	264	182615	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	478295	64.58	ng		-0.02
7) Phenol-d6	6.42	99	614915	64.25	ng		-0.02
23) Nitrobenzene-d5	7.36	82	463331	55.65	ng		-0.02
41) 2,4,6-Tribromophenol	10.62	330	110845	69.33	ng		-0.02
44) 2-Fluorobiphenyl	9.15	172	638617	58.59	ng		-0.02
78) Terphenyl-d14	12.89	244	422142	42.54	ng		-0.02
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	61390	9.55	ng	#	69
49) Dimethylphthalate	9.55	163	131040	10.68	ng		98
56) 2,4-Dinitrotoluene	9.83	165	22556	6.35	ng	#	38
66) 4-Bromophenyl-phenylether	10.62	248	7207	2.92	ng	#	1
70) Phenanthrene	11.32	178	31037	2.32	ng		99
74) Fluoranthene	12.51	202	84322	6.22	ng		97
77) Pyrene	12.74	202	80261	4.28	ng		98
80) Benzo(a)anthracene	13.92	228	68354	4.80	ng		93
82) Chrysene	13.92	228	68354	4.85	ng		98
85) Indeno(1,2,3-cd)pyrene	16.67	276	24576	2.27	ng	#	100
87) Benzo(b)fluoranthene	14.94	252	100604	8.78	ng	#	91
88) Benzo(k)fluoranthene	14.94	252	100604	10.09	ng		96
89) Benzo(a)pyrene	15.27	252	41969	4.33	ng	#	90
91) Benzo(g,h,i)perylene	17.07	276	37170	4.43	ng		93

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
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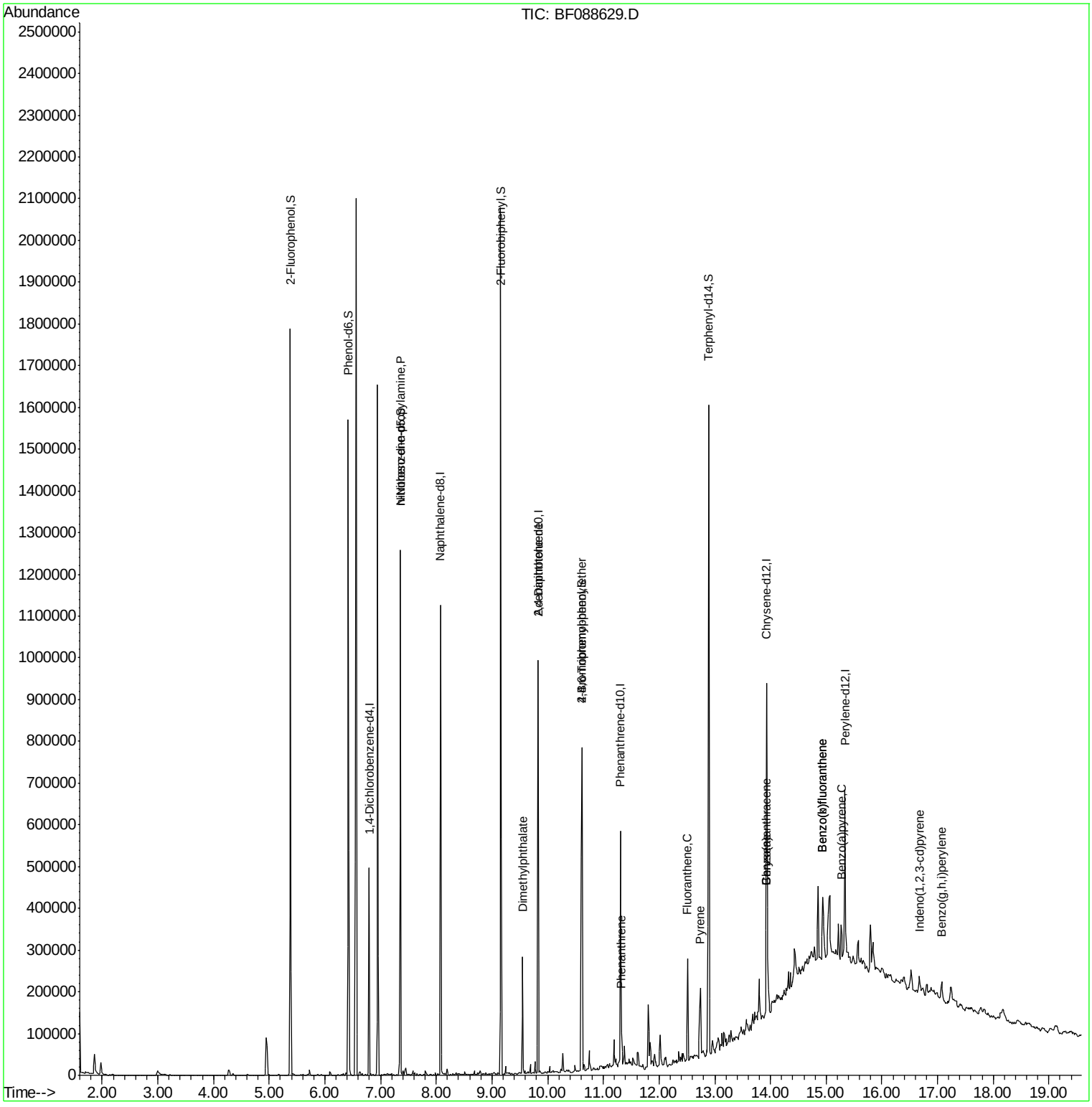
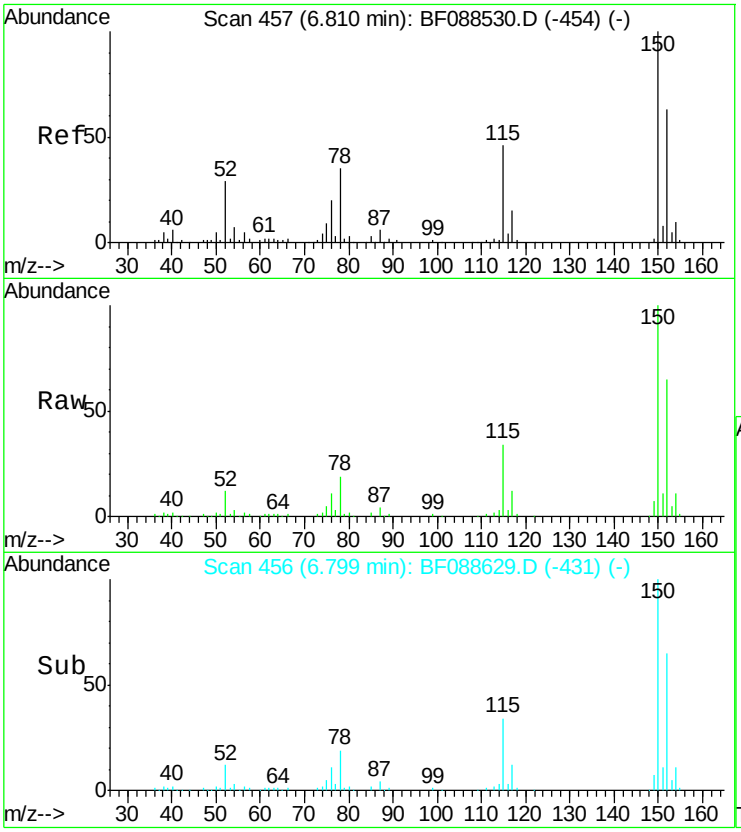
Acq On : 2 Jul 2016 21:02
Operator : UM/SJ
Sample : H3847-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R5-B2(0-6)C

Quant Time: Jul 03 03:05:03 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration



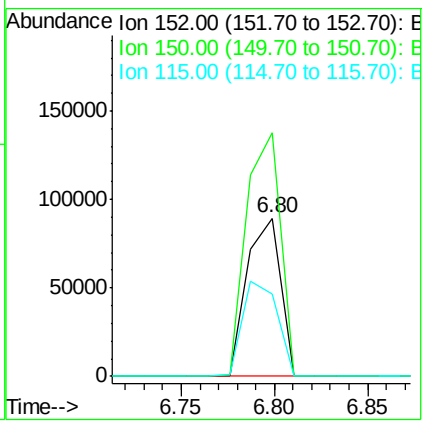


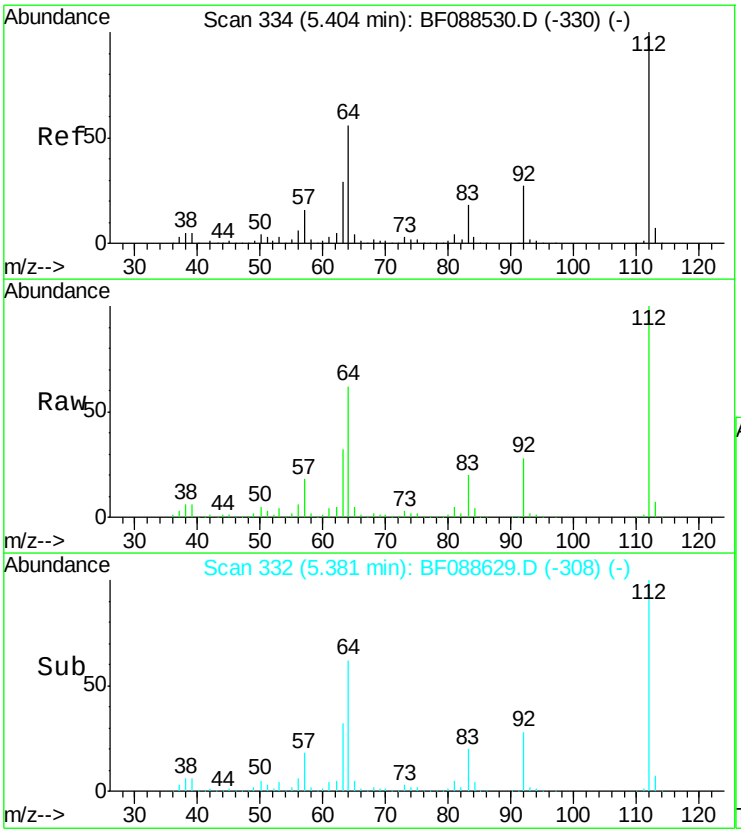
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:152 Resp: 111000

Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.8	185.6
115	52.4	39.6	59.4

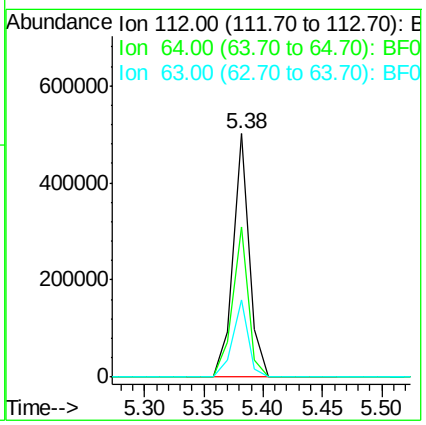


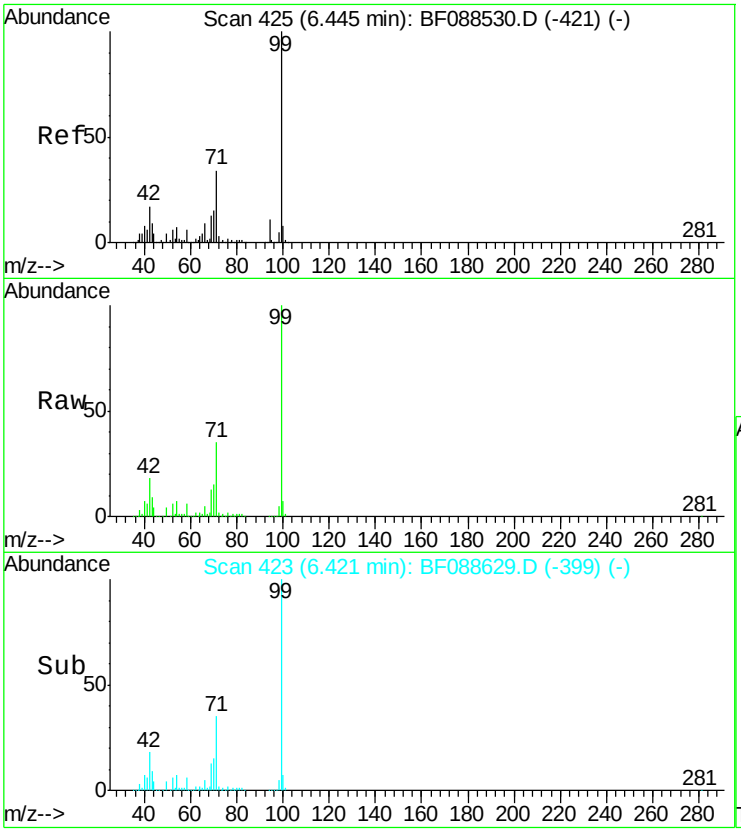


#5
2-Fluorophenol
Concen: 64.58 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:112 Resp: 478295

Ion	Ratio	Lower	Upper
112	100		
64	61.6	42.2	63.2
63	31.9	21.8	32.8



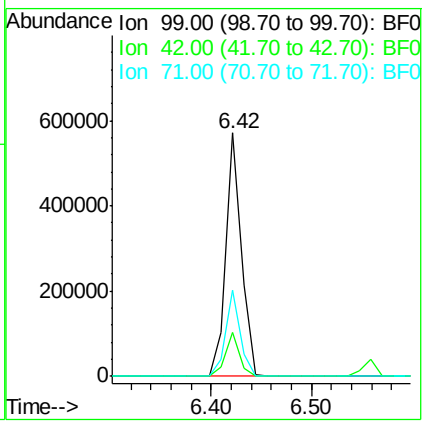


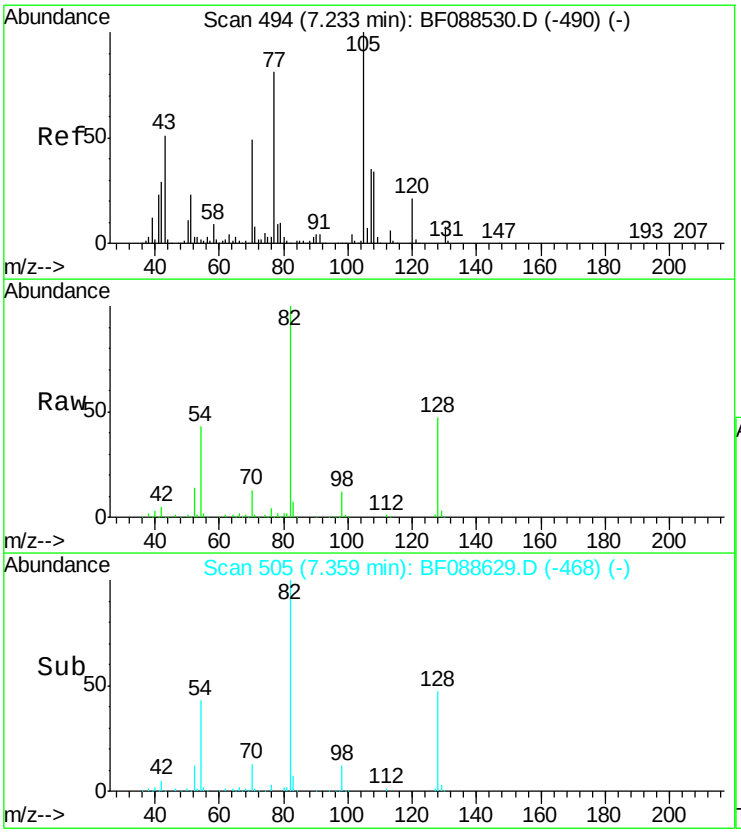
#7
Phenol-d6
Concen: 64.25 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion: 99 Resp: 614915

Ion	Ratio	Lower	Upper
99	100		
42	18.0	12.2	18.2
71	35.4	23.4	35.0#

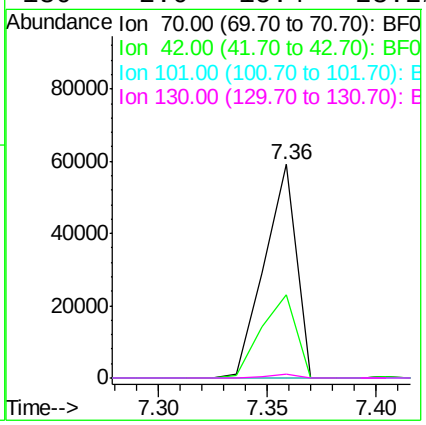


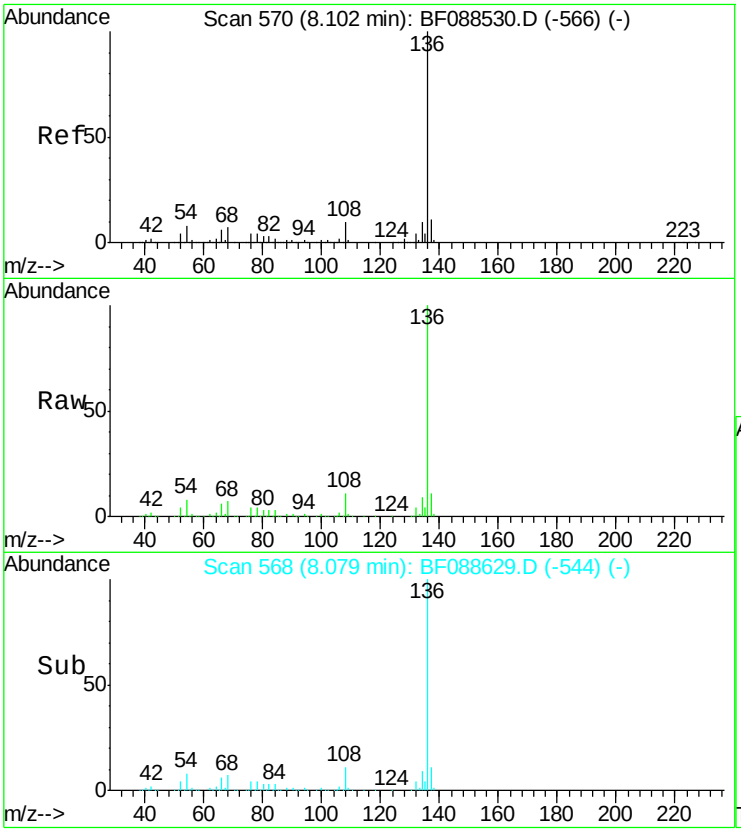


#19
n-Nitroso-di-n-propylamine
Concen: 9.55 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.13 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion: 70 Resp: 61390

Ion	Ratio	Lower	Upper
70	100		
42	39.2	49.6	74.4#
101	0.0	7.1	10.7#
130	2.0	15.4	23.2#



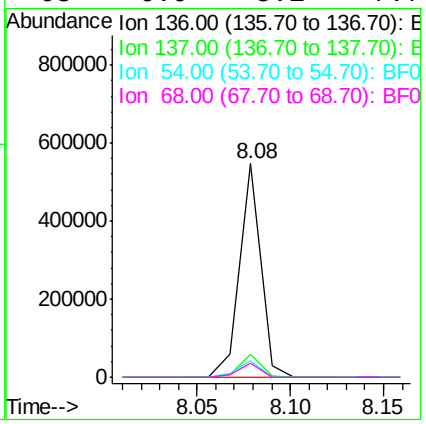


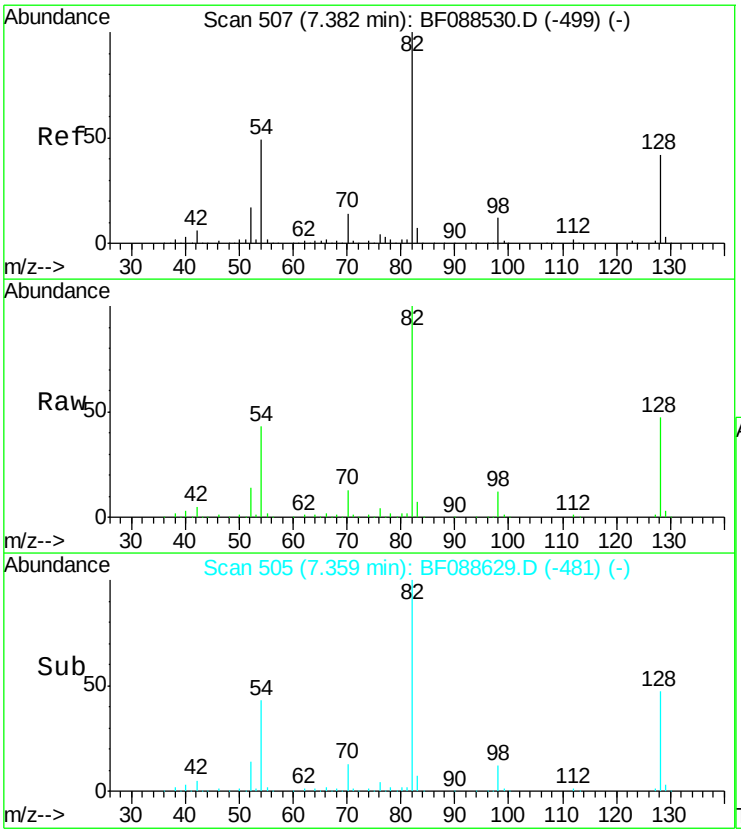
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:136 Resp: 436310

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.0	6.6	10.0
68	6.9	5.1	7.7

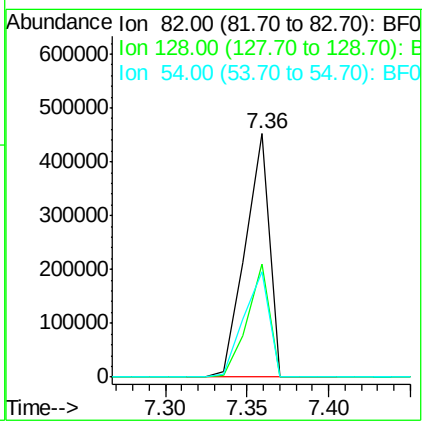


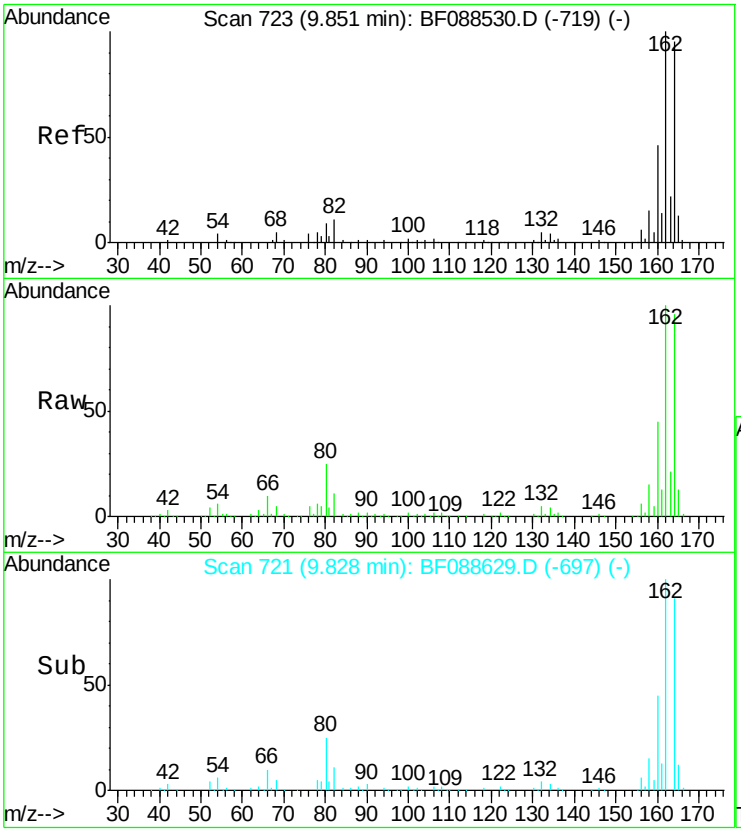


#23
Nitrobenzene-d5
Concen: 55.65 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion: 82 Resp: 463331

Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.9	53.9
54	43.3	40.9	61.3



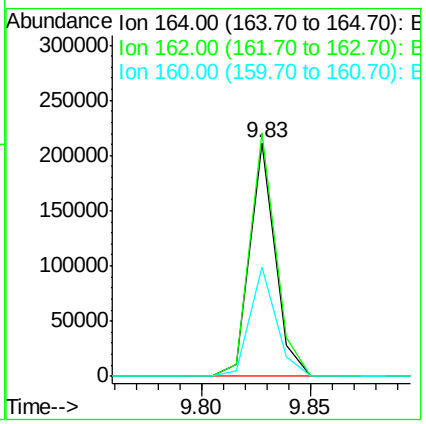


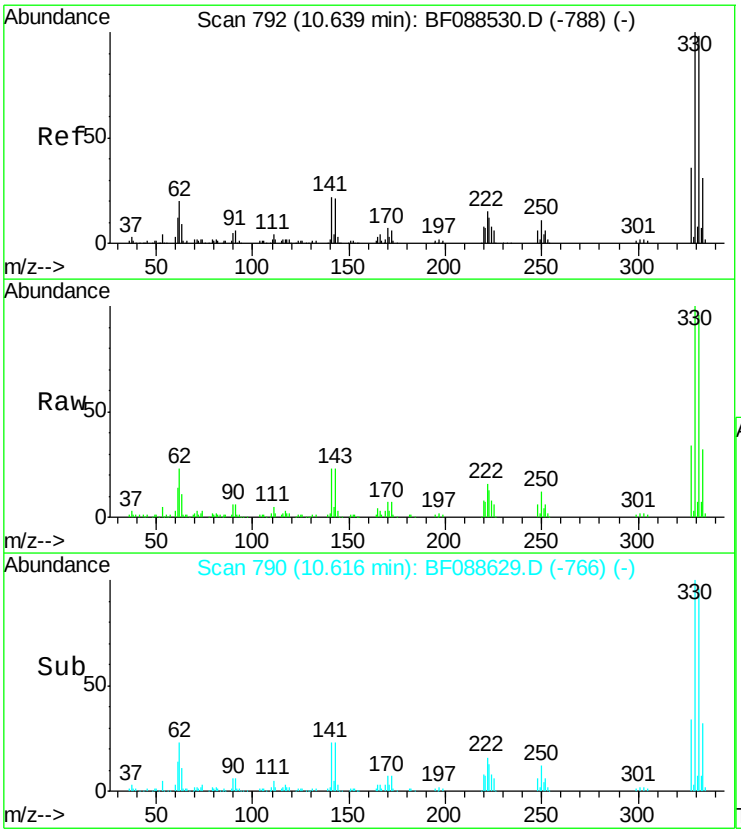
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:164 Resp: 172177

Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.4	128.2
160	46.4	39.5	59.3

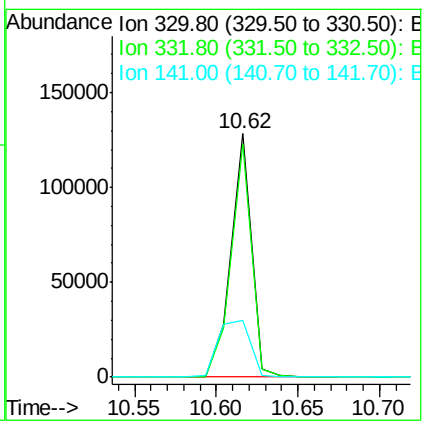


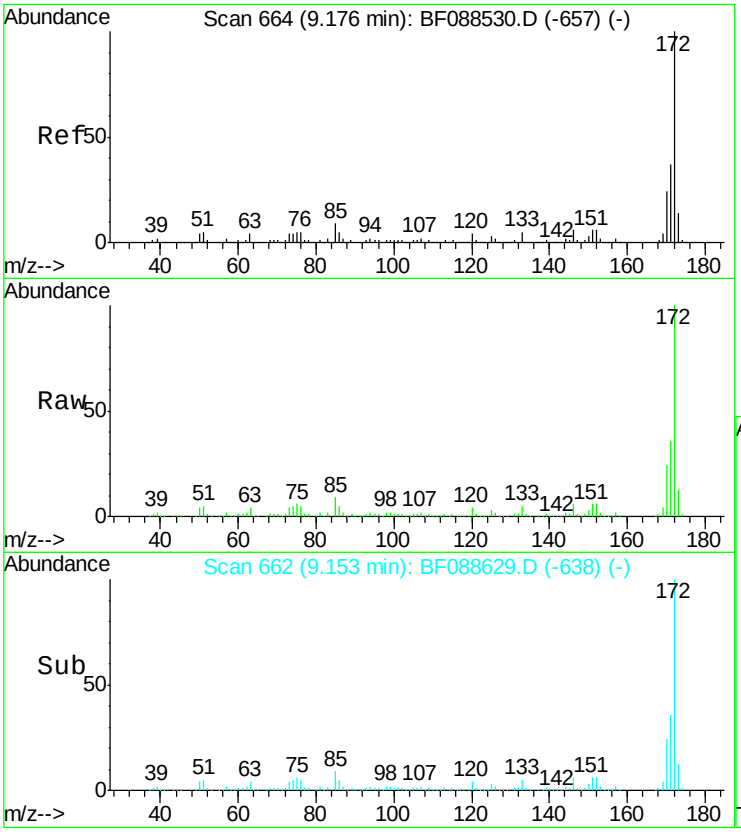


#41
2,4,6-Tribromophenol
Concen: 69.33 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:330 Resp: 110845

Ion	Ratio	Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	37.1	0.0	0.0#



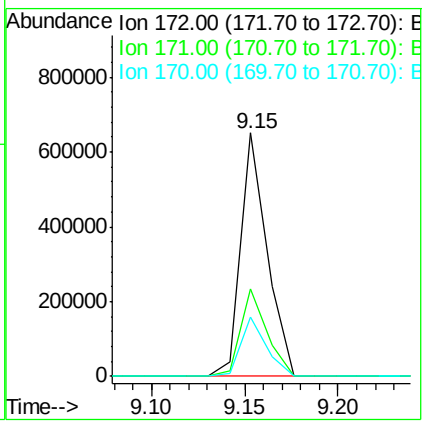


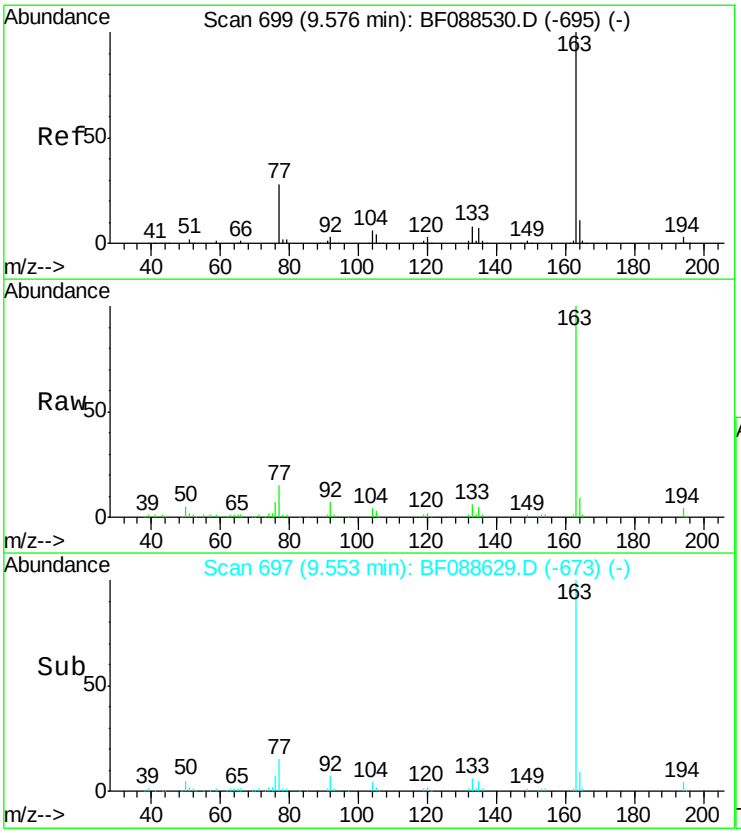
#44
2-Fluorobiphenyl
Concen: 58.59 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:172 Resp: 638617

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.2	19.2	28.8

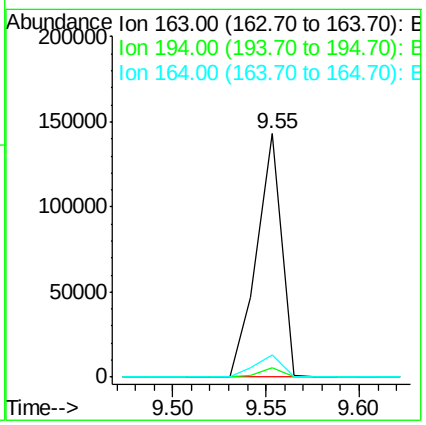


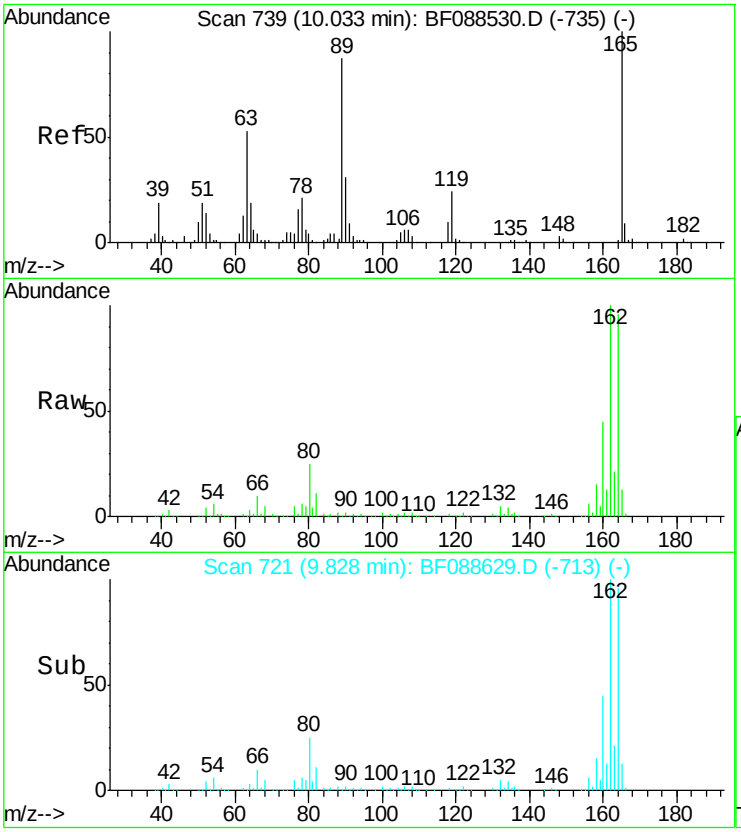


#49
Dimethylphthalate
Concen: 10.68 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:163 Resp: 131040

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	9.4	8.3	12.5



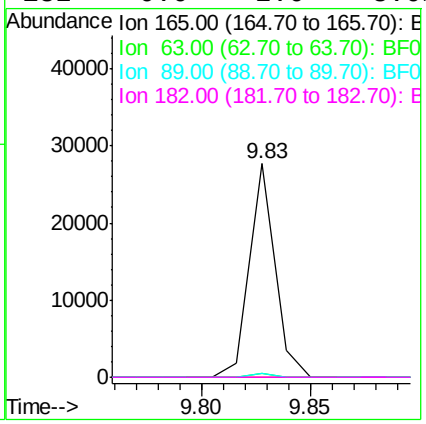


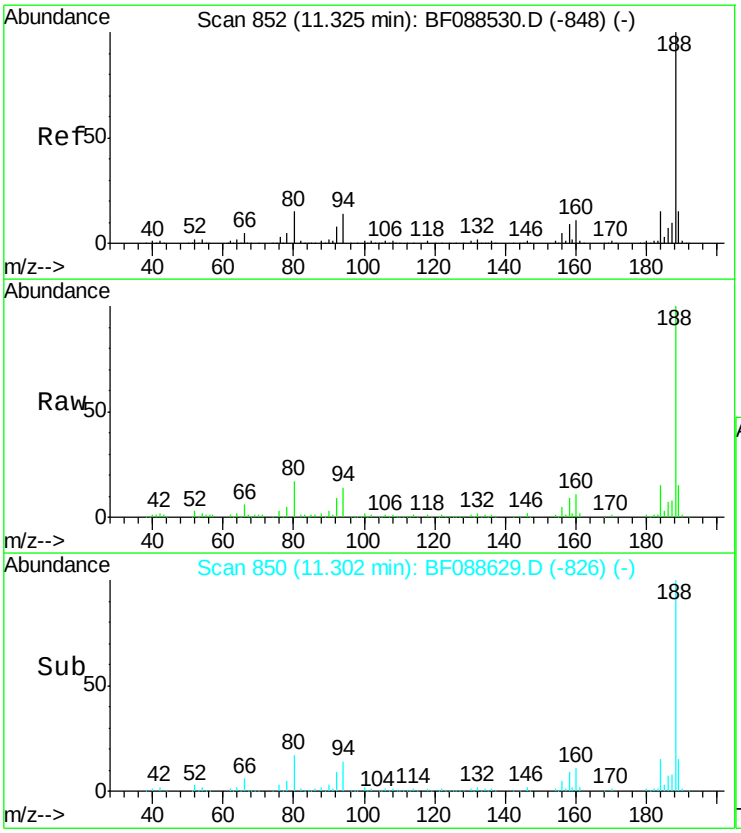
#56
2,4-Dinitrotoluene
Concen: 6.35 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.21 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:165 Resp: 22556

Ion	Ratio	Lower	Upper
165	100		
63	1.6	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#

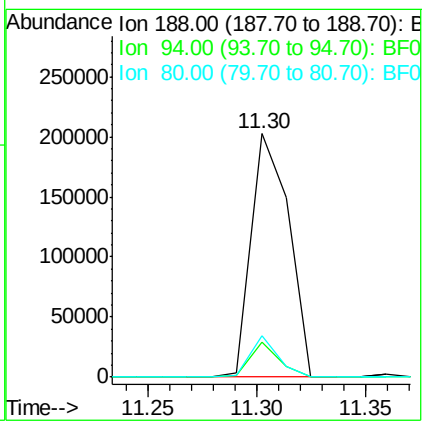


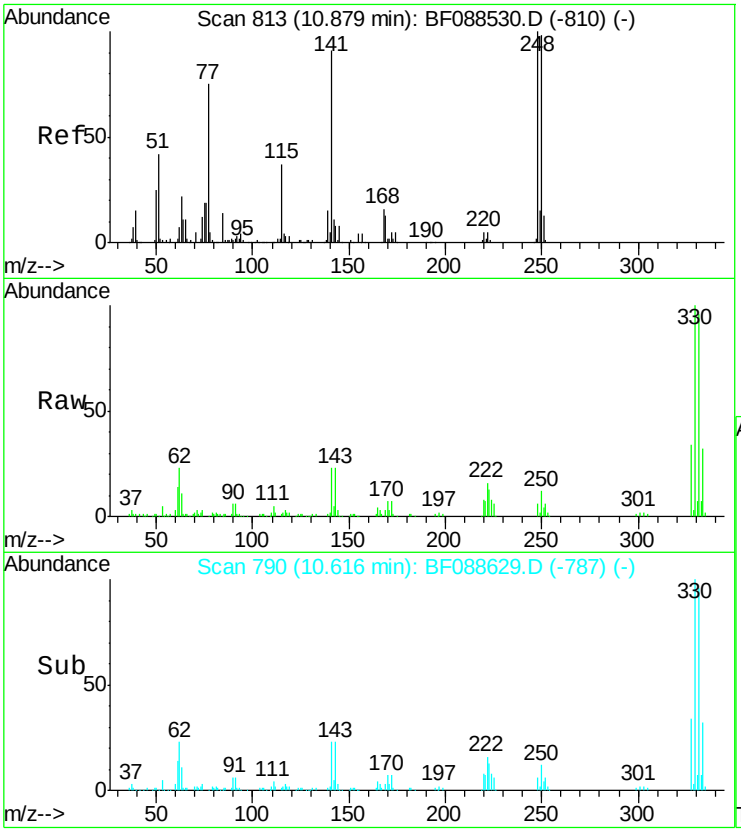


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:188 Resp: 244653

Ion	Ratio	Lower	Upper
188	100		
94	14.5	9.0	13.6#
80	17.0	10.0	15.0#



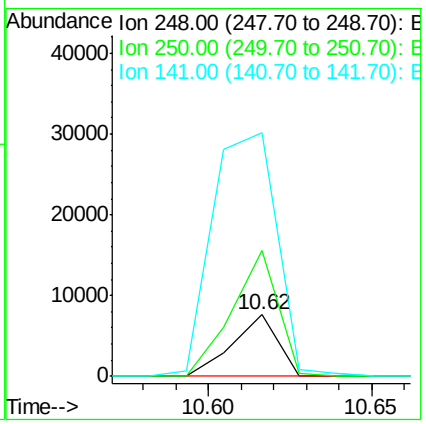


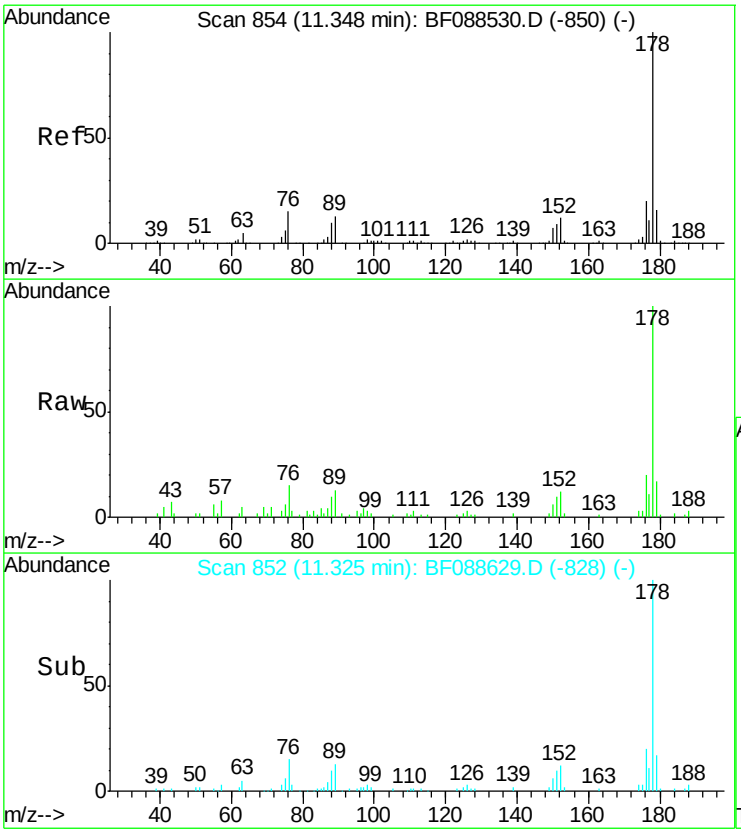
#66
4-Bromophenyl-phenylether
Concen: 2.92 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.26 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:248 Resp: 7207

Ion	Ratio	Lower	Upper
248	100		
250	204.3	77.1	115.7#
141	395.4	50.6	76.0#

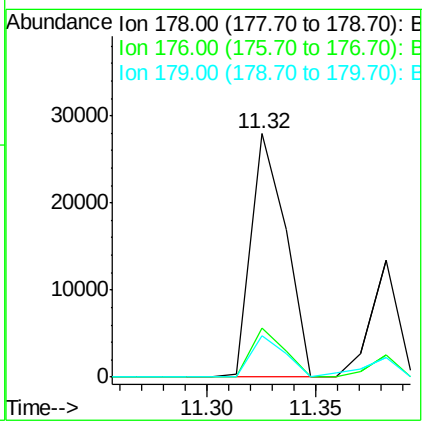


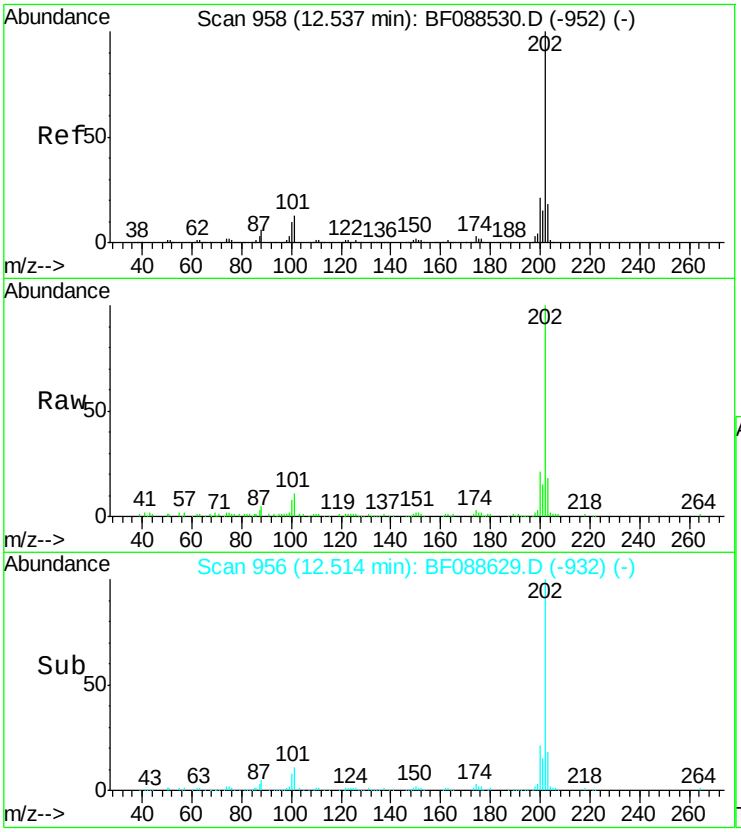


#70
Phenanthrene
Concen: 2.32 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:178 Resp: 31037

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	16.7	13.0	19.4



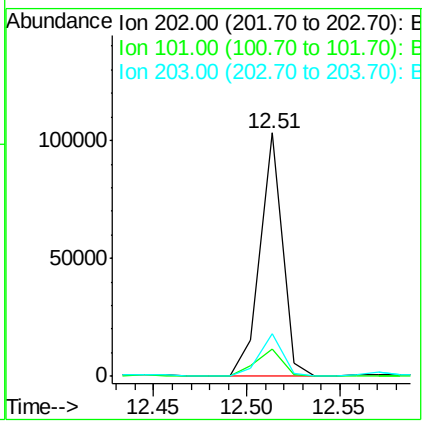


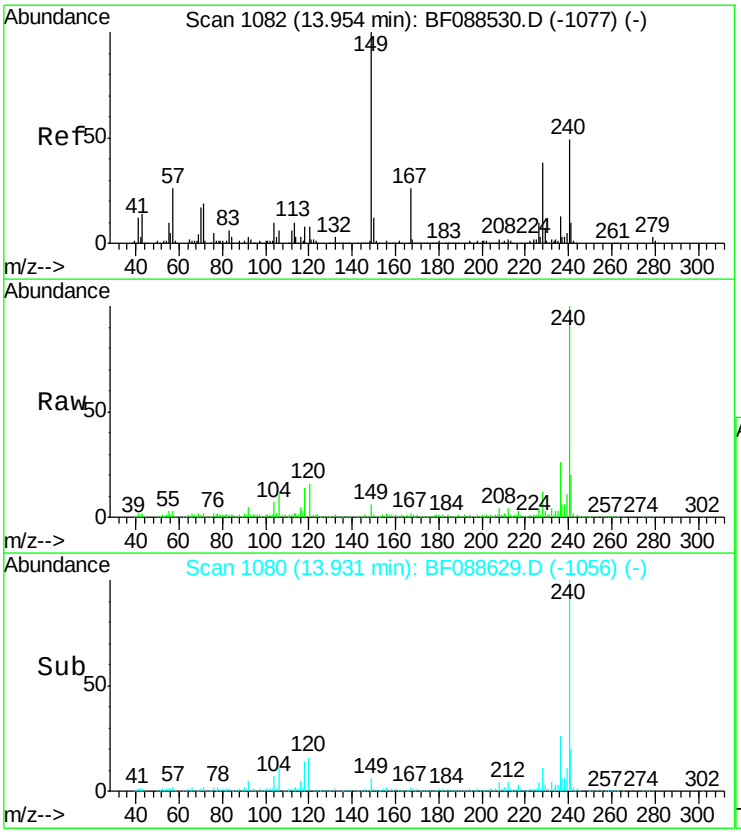
#74
Fluoranthene
Concen: 6.22 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:202 Resp: 84322

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.1
203	17.7	0.0	38.1

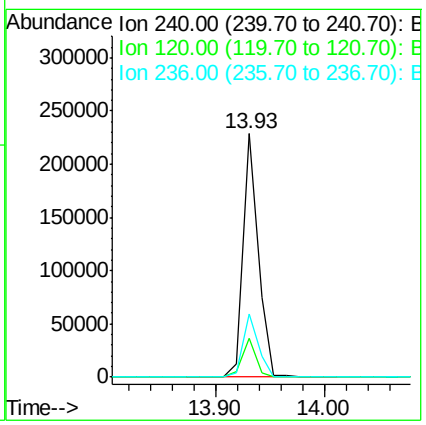


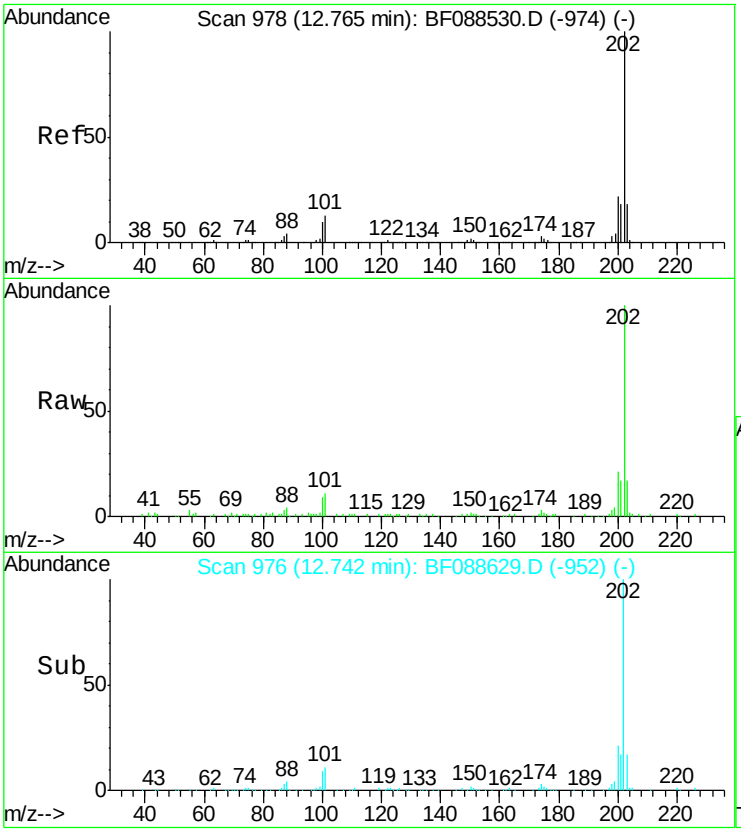


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:240 Resp: 221029

Ion	Ratio	Lower	Upper
240	100		
120	15.8	6.8	10.2#
236	25.7	20.2	30.2



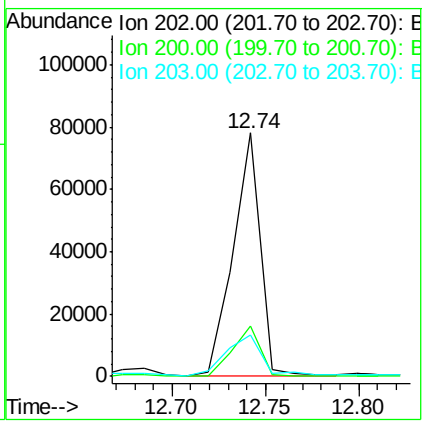


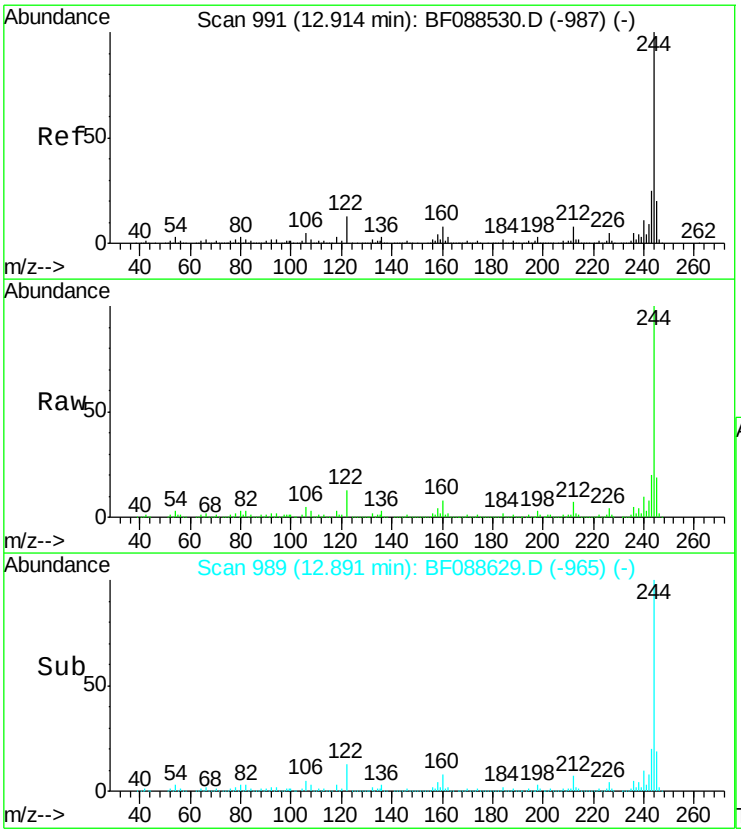
#77
Pyrene
Concen: 4.28 ng
RT: 12.74 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:202 Resp: 80261

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.1	14.5	21.7

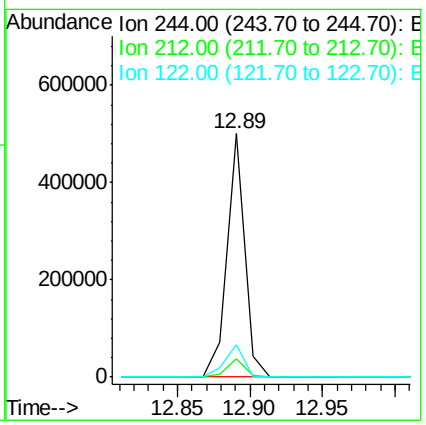


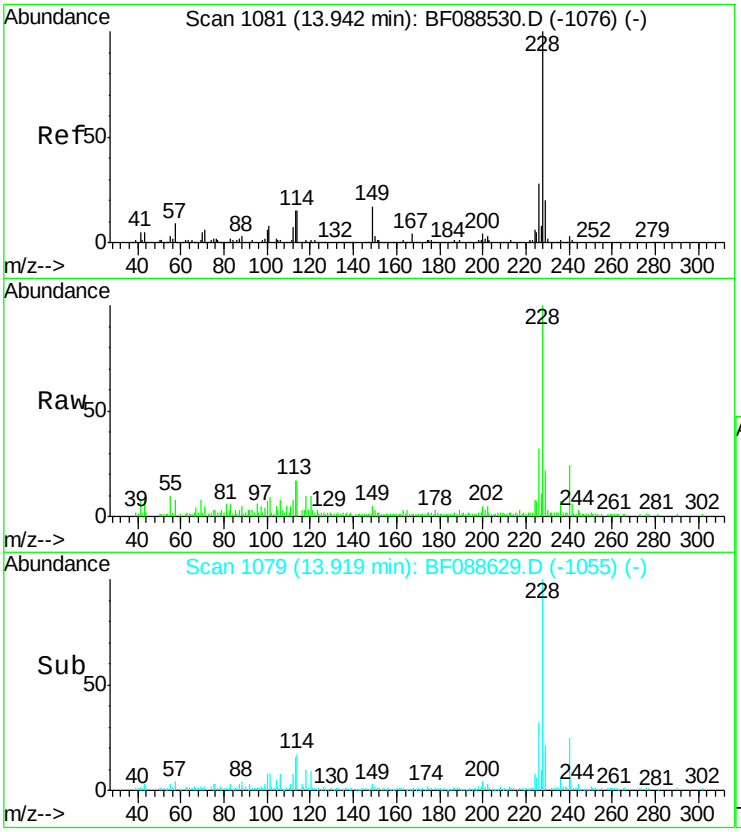


#78
Terphenyl-d14
Concen: 42.54 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:244 Resp: 422142

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.4	11.2	16.8



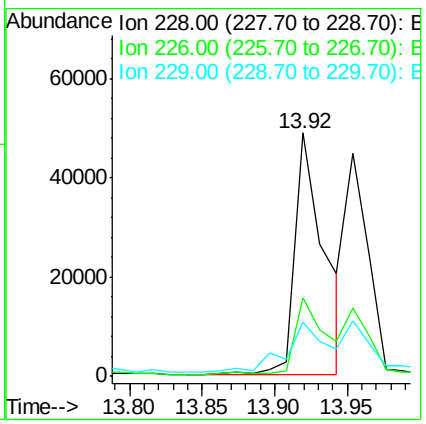


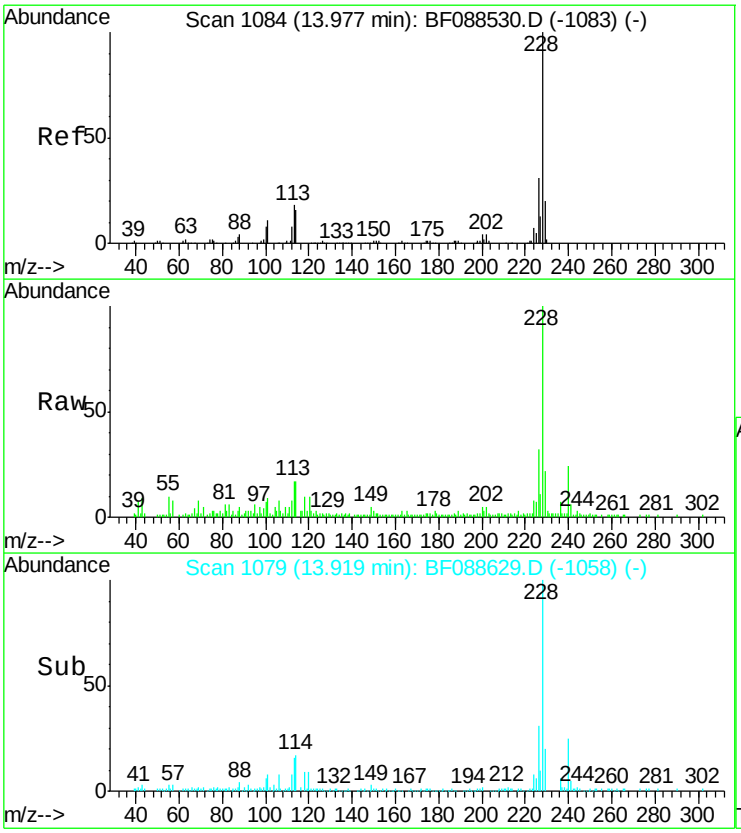
#80
Benzo(a)anthracene
Concen: 4.80 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:228 Resp: 68354

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.3	33.5
229	22.5	16.0	24.0

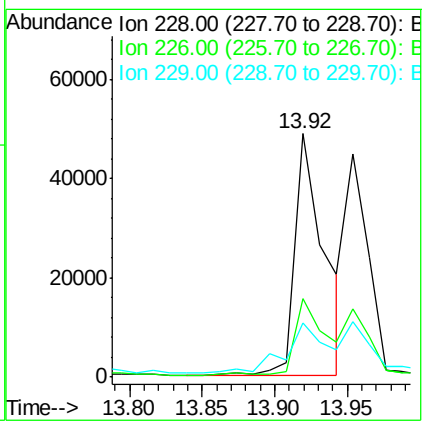


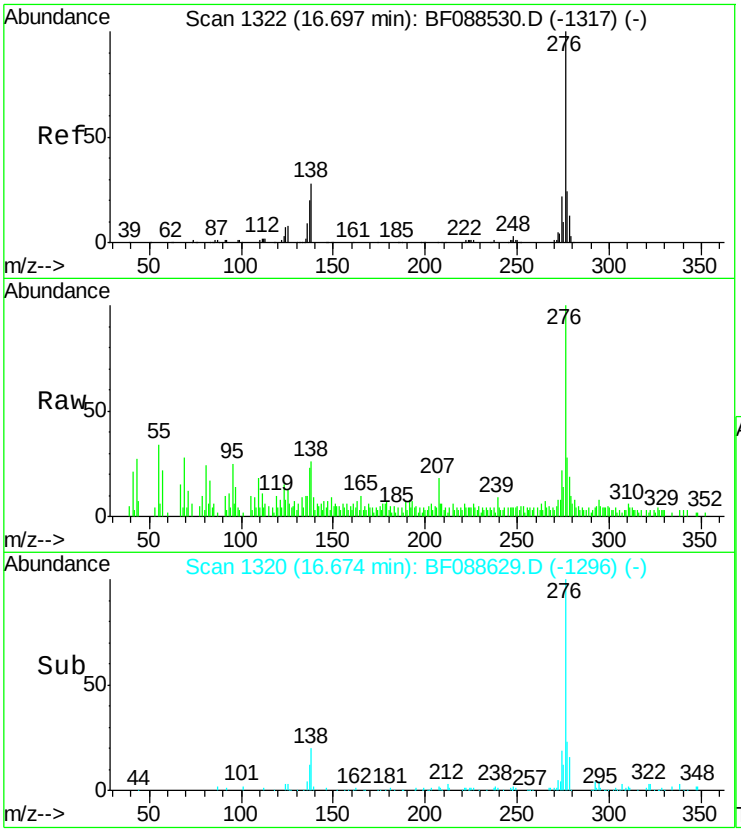


#82
Chrysene
Concen: 4.85 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.06 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:228 Resp: 68354

Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.4	38.2
229	22.5	16.3	24.5



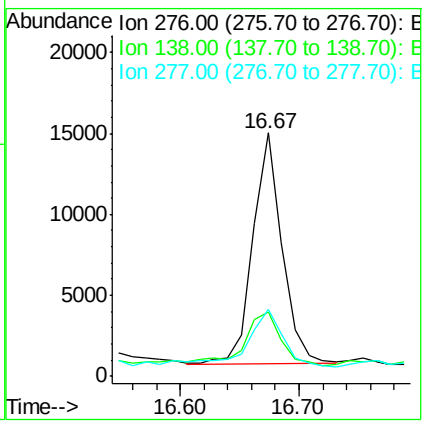


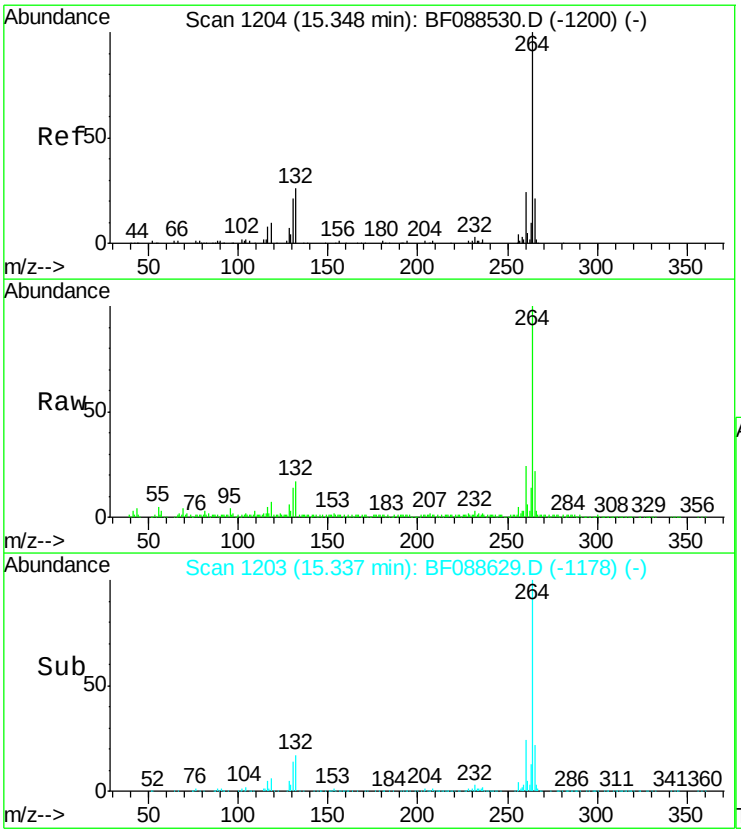
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.27 ng
RT: 16.67 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:276 Resp: 24576

Ion	Ratio	Lower	Upper
276	100		
138	31.2	0.0	0.0#
277	32.7	0.0	0.0#

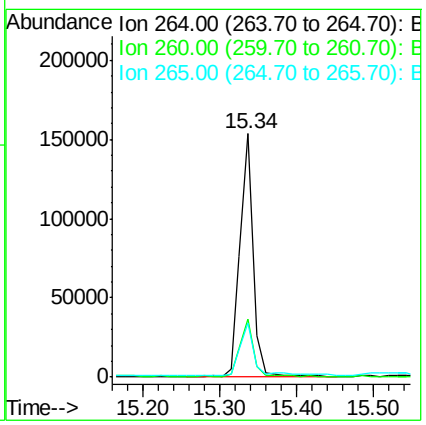


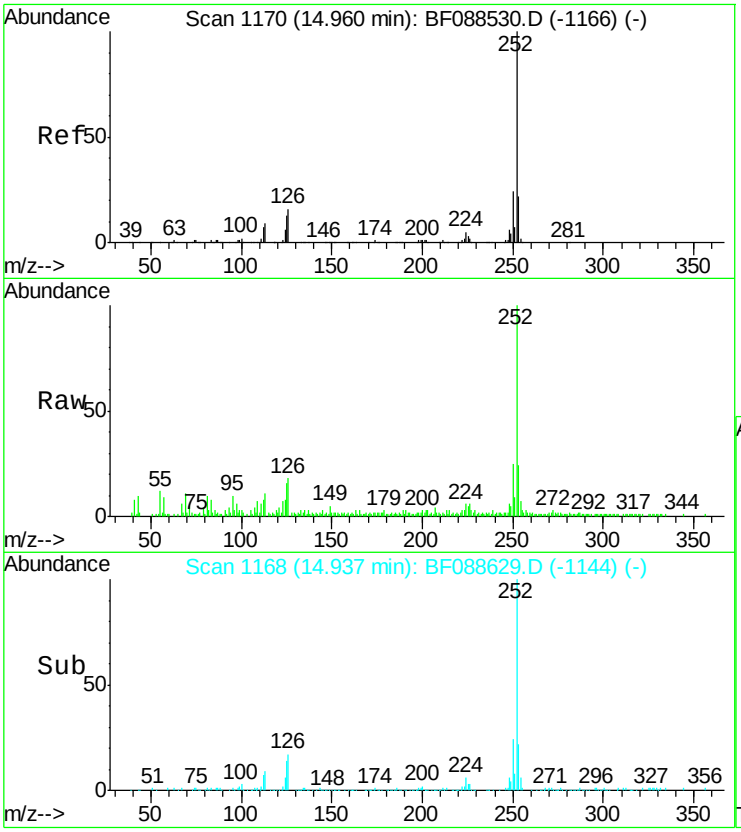


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:264 Resp: 182615

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	16.9	25.3



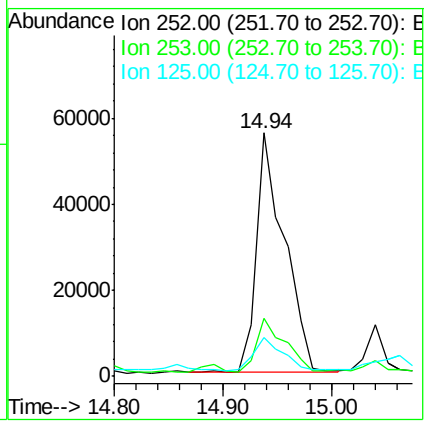


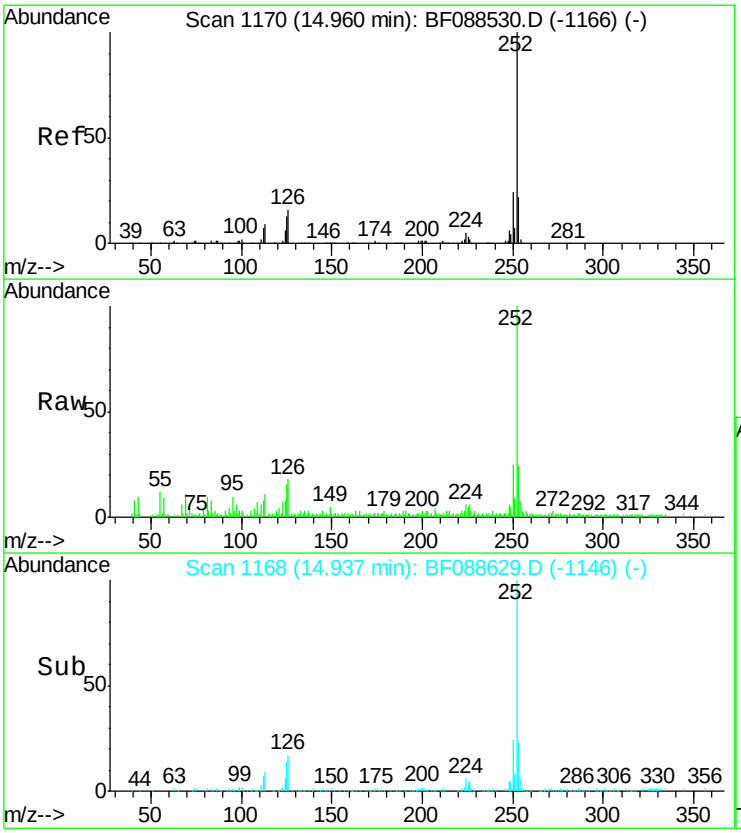
#87
Benzo(b)fluoranthene
Concen: 8.78 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:252 Resp: 100604

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	16.0	7.1	10.7#

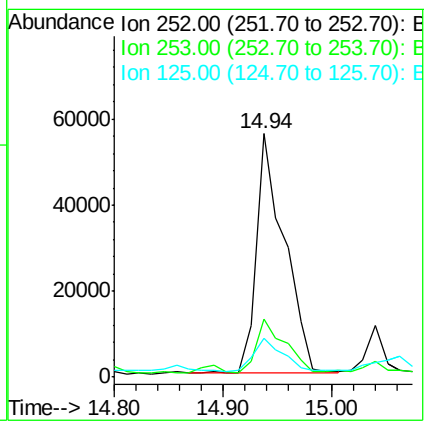


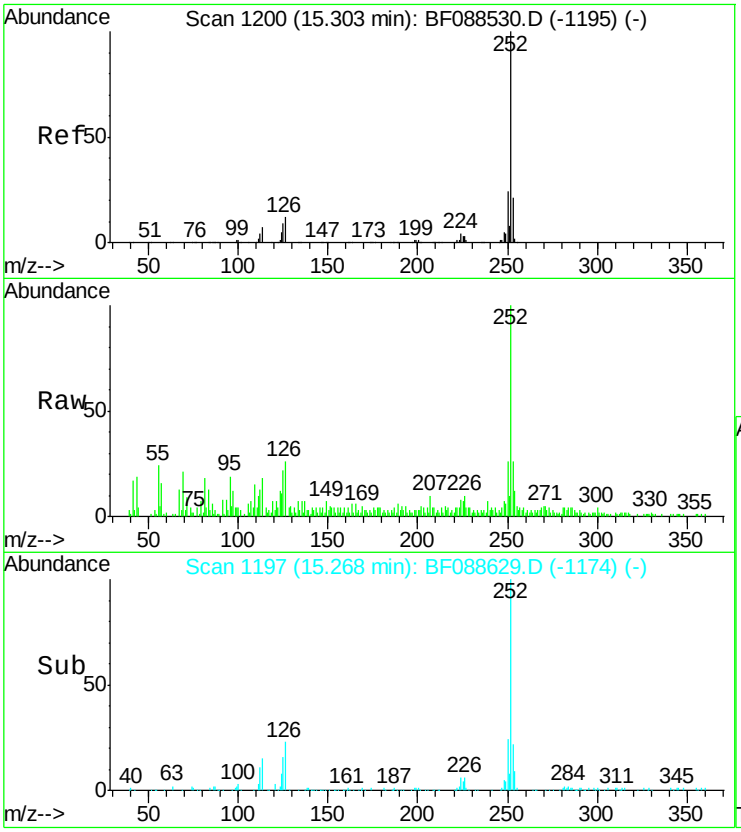


#88
Benzo(k)fluoranthene
Concen: 10.09 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:252 Resp: 100604

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	16.0	11.2	16.8



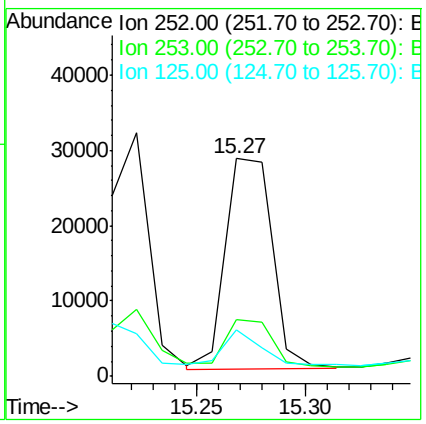


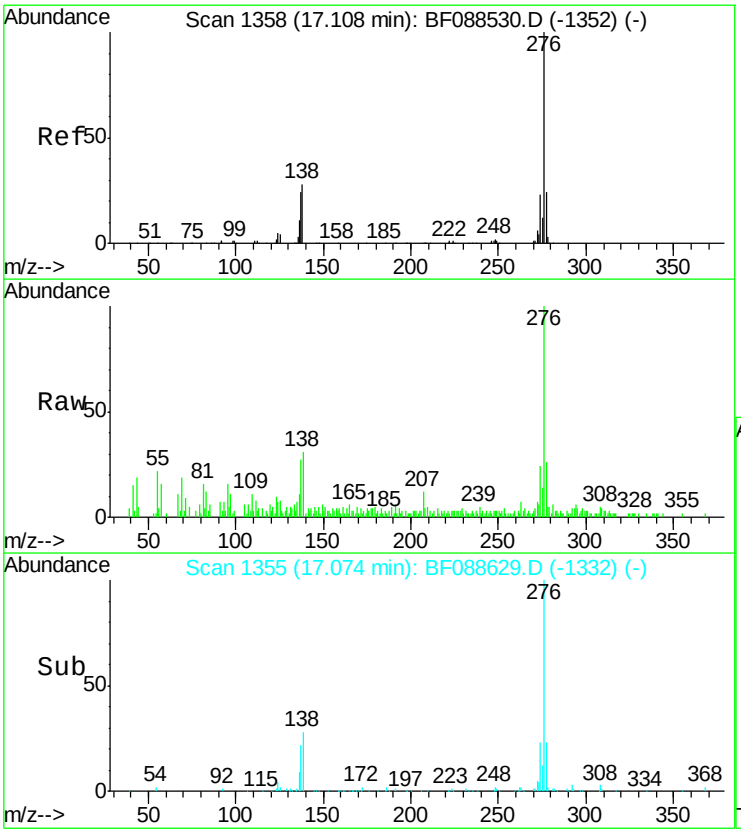
#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:252 Resp: 41969

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	21.6	12.5	18.7#





#91
Benzo(g,h,i)perylene
Concen: 4.43 ng
RT: 17.07 min Scan# 1355
Delta R.T. -0.03 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:276 Resp: 37170

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.9	28.3
138	31.0	21.4	32.2