Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087201.D
Acq On : 19 May 2016 22:04
Operator : UM/SJ
Sample : H3156-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-001-160517

Quant Time: May 20 02:35:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	138096	20.00	ng		-0.03
21) Naphthalene-d8	7.85	136	566703	20.00	ng		-0.05
38) Acenaphthene-d10	9.60	164	271116	20.00	ng		-0.05
63) Phenanthrene-d10	11.07	188	444741	20.00	ng		-0.05
75) Chrysene-d12	13.70	240	308668	20.00	ng		-0.06
86) Perylene-d12	15.05	264	288384	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.15	112	941303	114.57	ng		-0.05
7) Phenol-d6	6.24	99	1420024	128.87	ng		-0.05
23) Nitrobenzene-d5	7.14	82	866748	76.23	ng		-0.05
41) 2,4,6-Tribromophenol	10.39	330	309271	103.23	ng		-0.06
44) 2-Fluorobiphenyl	8.94	172	1312207	80.16	ng		-0.05
78) Terphenyl-d14	12.66	244	954581	69.96	ng		-0.05
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.14	70	124705	14.89	ng	#	75
25) Isophorone	7.14	82	706501	33.94	ng	#	68
49) Dimethylphthalate	9.34	163	283668	13.72	ng		99
55) 4-Nitrophenol	9.82	139	632	Below Cal		#	14
56) 2,4-Dinitrotoluene	9.60	165	34689	6.03	ng	#	16
66) 4-Bromophenyl-phenylether	10.39	248	17556	3.84	ng	#	1
70) Phenanthrene	11.10	178	102076	4.23	ng		98
74) Fluoranthene	12.28	202	273266	11.31	ng		91
76) Benzidine	12.66	184	16134	2.35	ng	#	95
77) Pyrene	12.50	202	229118	10.27	ng		97
80) Benzo(a)anthracene	13.69	228	90374	5.06	ng		99
82) Chrysene	13.73	228	95284	5.52	ng		99
85) Indeno(1,2,3-cd)pyrene	16.29	276	78920	5.21	ng	#	89
87) Benzo(b)fluoranthene	14.70	252	210821	11.02	ng	#	97
88) Benzo(k)fluoranthene	14.70	252	210821	14.80	ng		99
89) Benzo(a)pyrene	15.01	252	96226	6.02	ng		97
91) Benzo(g,h,i)perylene	16.64	276	74052	5.45	ng		94

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

Quantitation Report (Not Reviewed)

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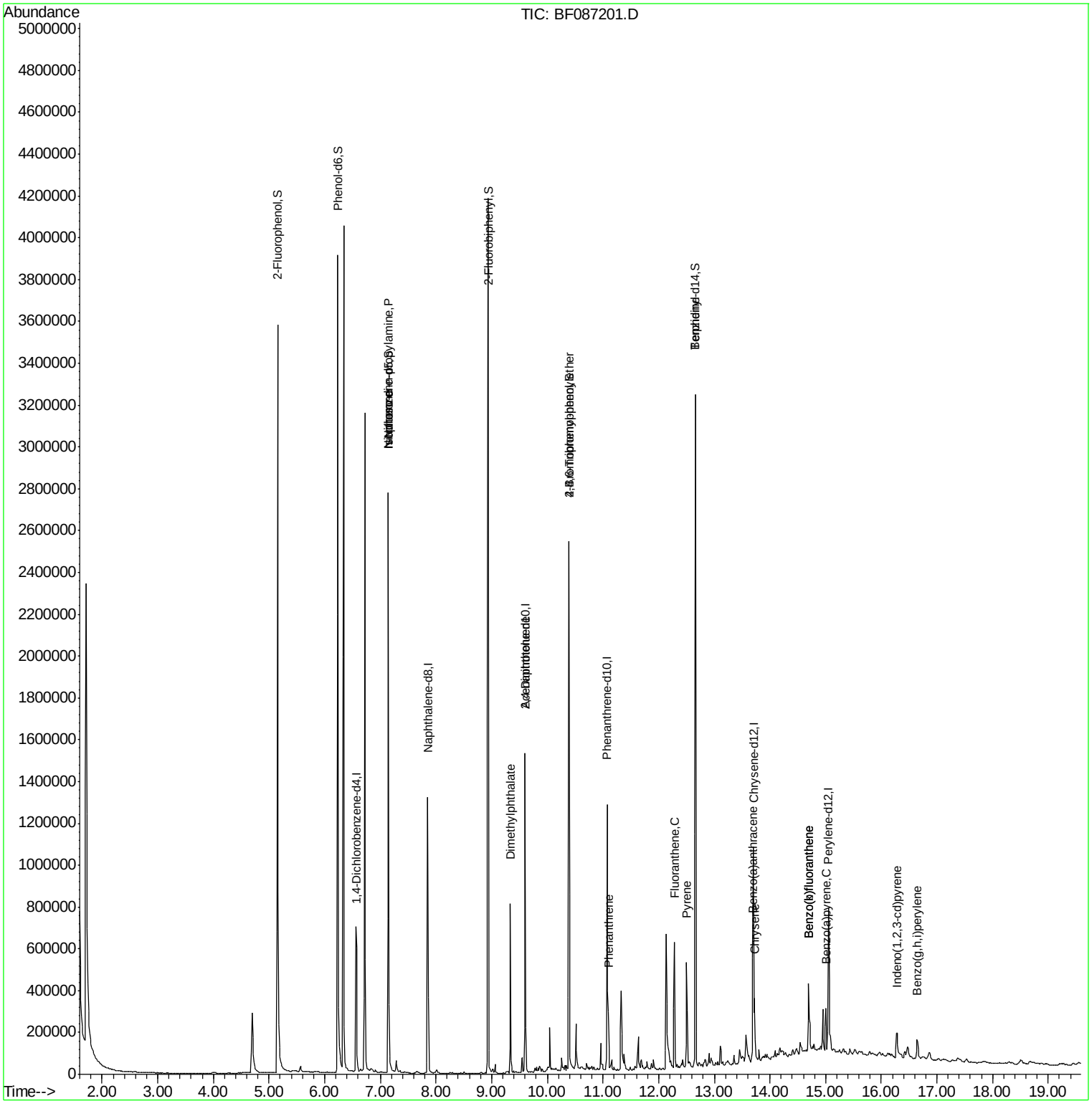
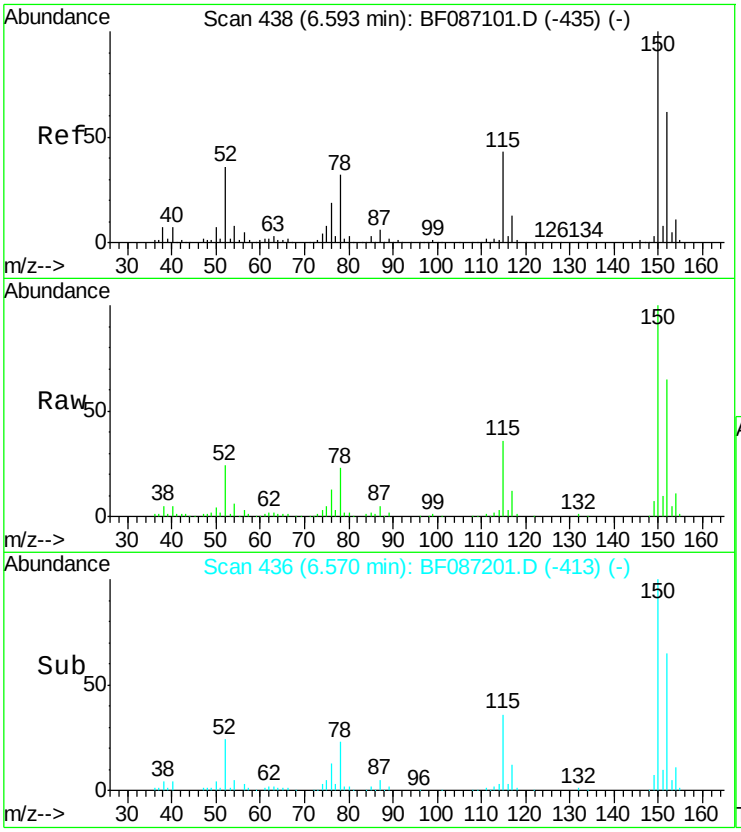


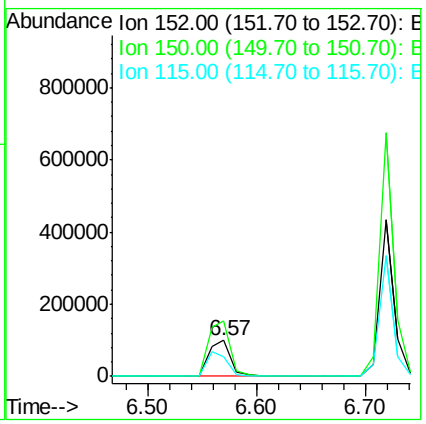


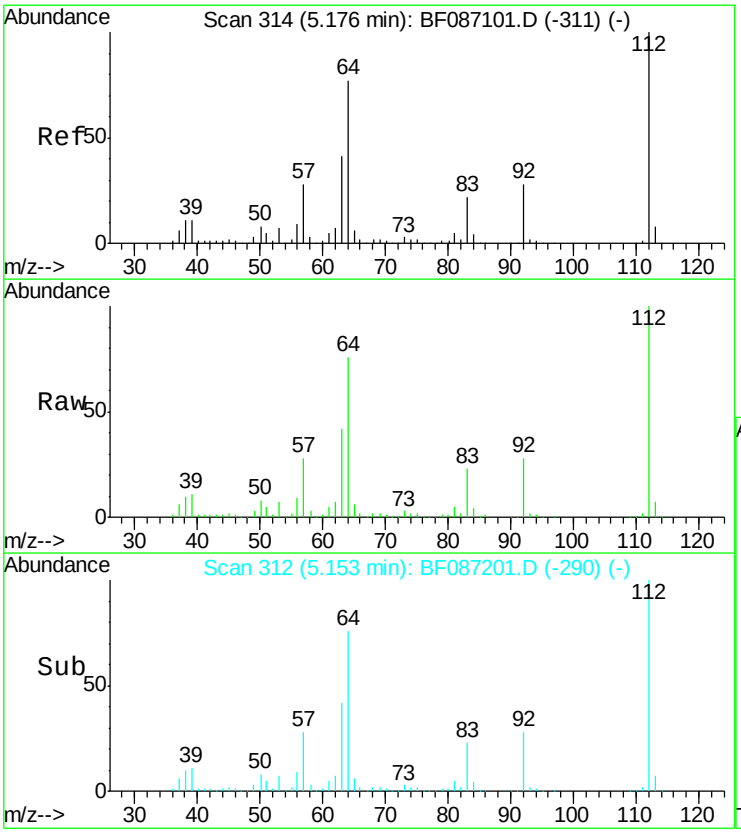
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:152 Resp: 138096

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.8	188.6
115	55.7	51.5	77.3

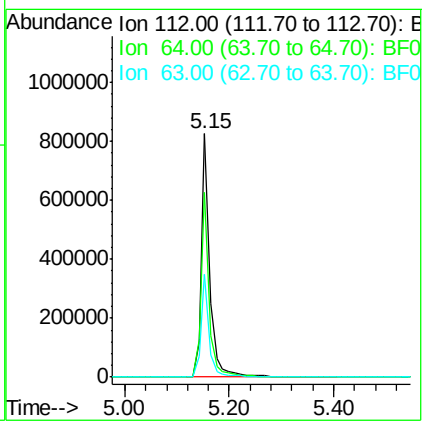


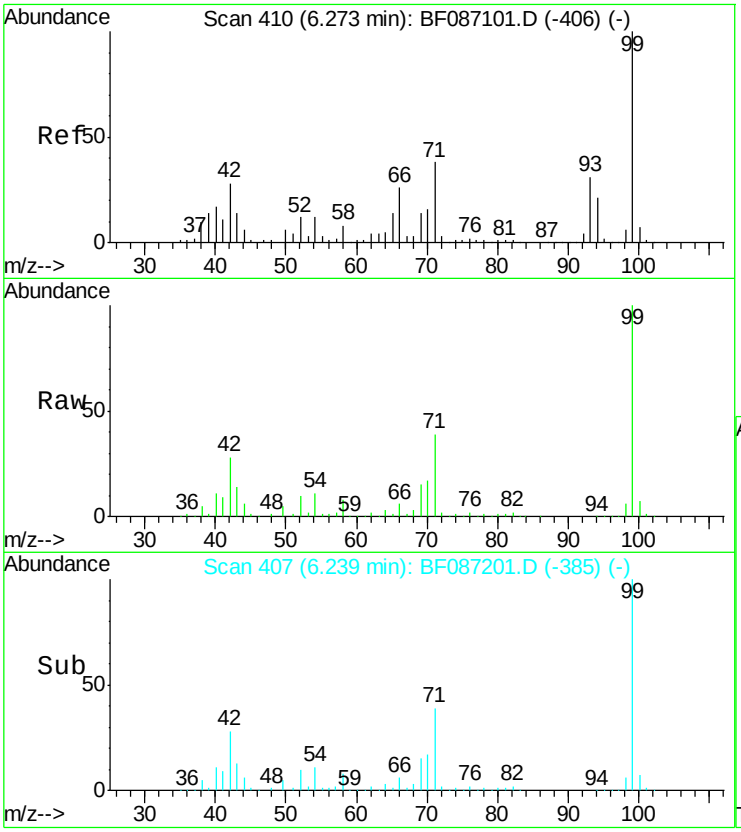


#5
2-Fluorophenol
Concen: 114.57 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:112 Resp: 941303

Ion	Ratio	Lower	Upper
112	100		
64	76.1	52.1	78.1
63	42.1	25.7	38.5#



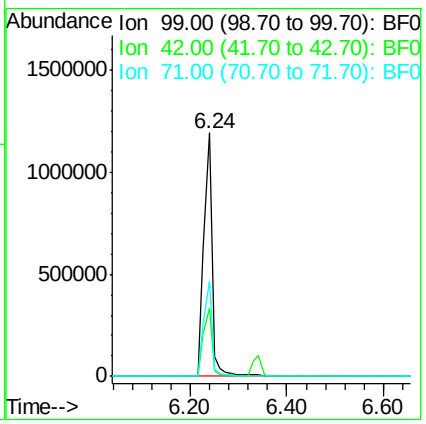


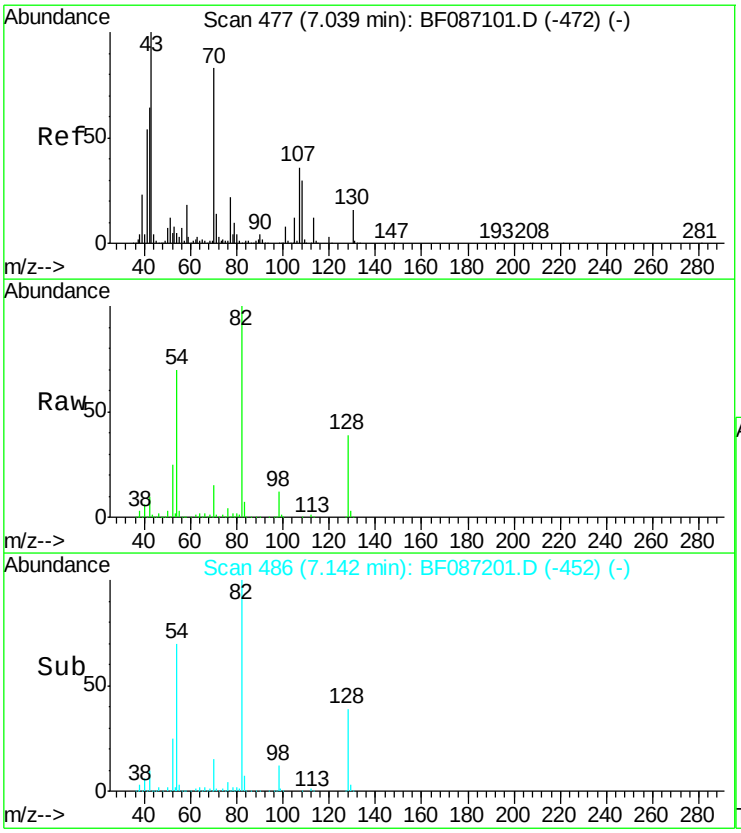
#7
Phenol-d6
Concen: 128.87 ng
RT: 6.24 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion: 99 Resp: 1420024

Ion	Ratio	Lower	Upper
99	100		
42	27.9	13.6	20.4#
71	39.2	24.6	36.8#

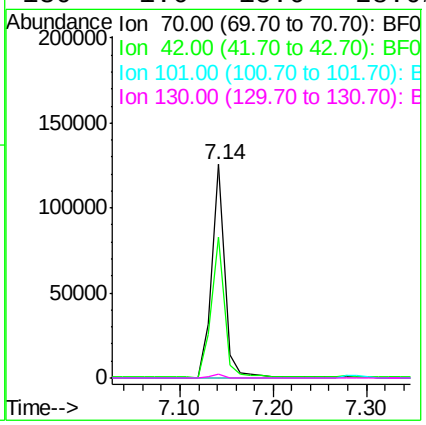


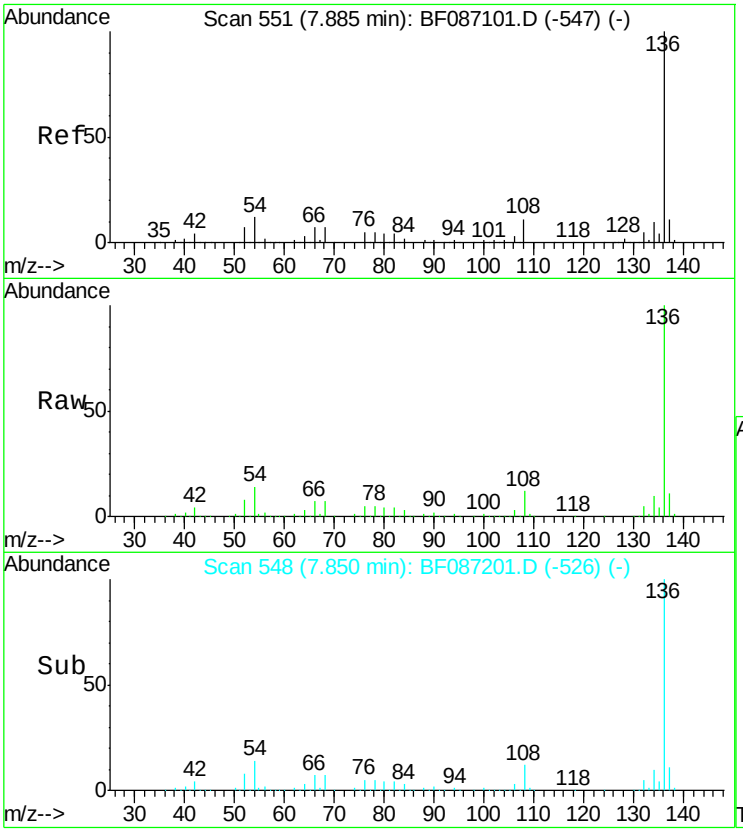


#19
n-Nitroso-di-n-propylamine
Concen: 14.89 ng
RT: 7.14 min Scan# 486
Delta R.T. 0.09 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion: 70 Resp: 124705

Ion	Ratio	Lower	Upper
70	100		
42	65.8	43.1	64.7#
101	0.0	8.1	12.1#
130	1.6	18.6	28.0#



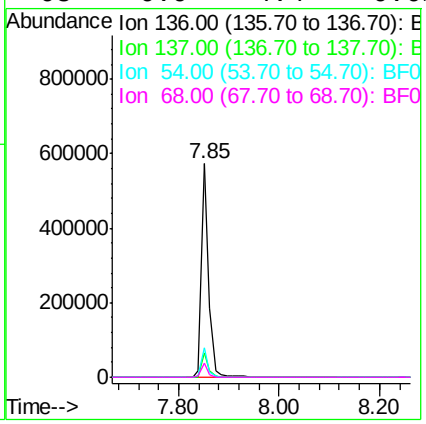


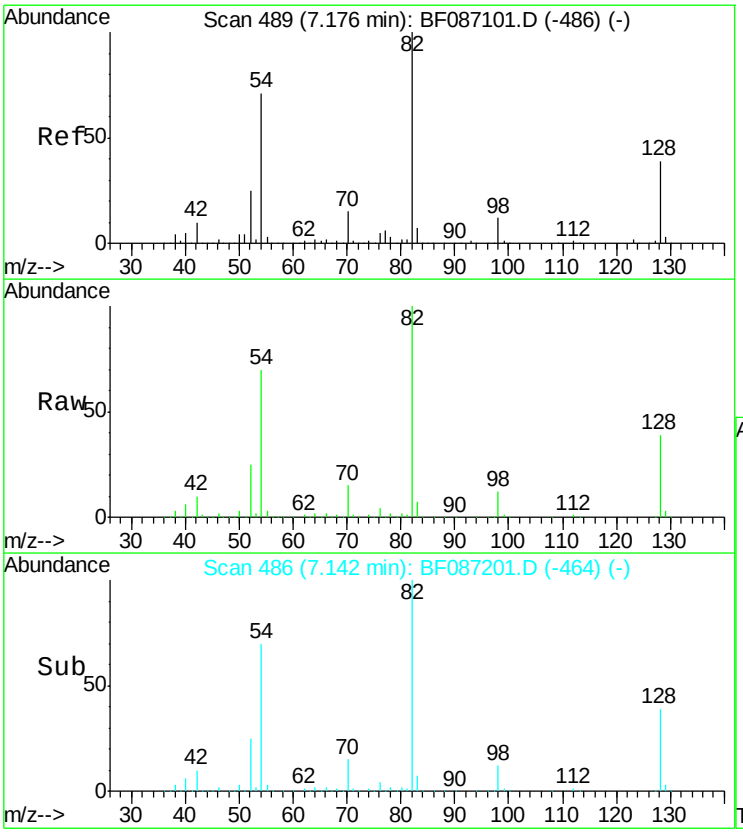
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:136 Resp: 566703

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.7	5.0	7.4#
68	6.9	4.4	6.6#

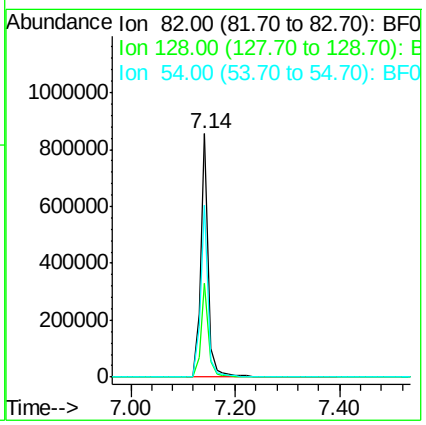


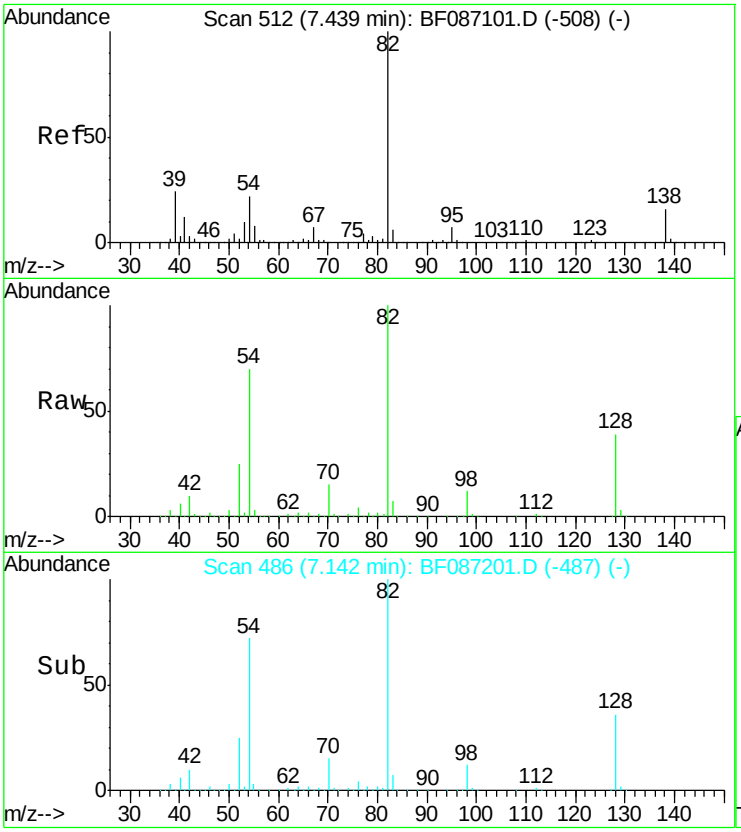


#23
Nitrobenzene-d5
Concen: 76.23 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion: 82 Resp: 866748

Ion	Ratio	Lower	Upper
82	100		
128	38.7	40.6	61.0#
54	70.4	38.1	57.1#



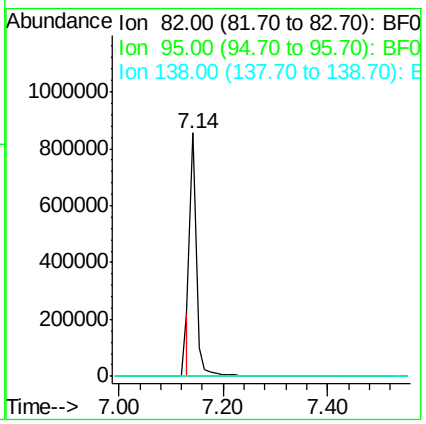


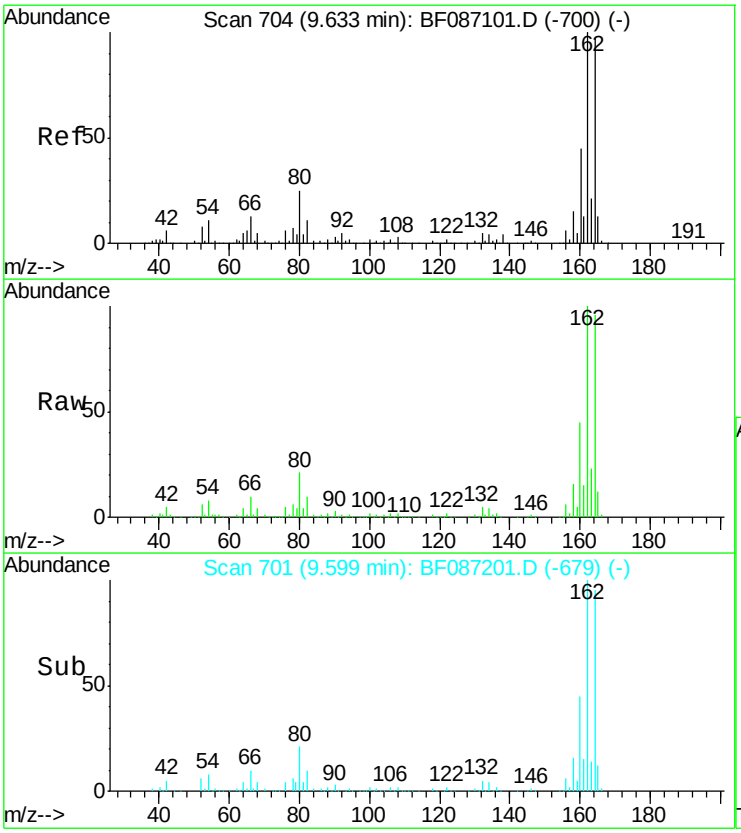
#25
Isophorone
Concen: 33.94 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.31 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion: 82 Resp: 706501

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

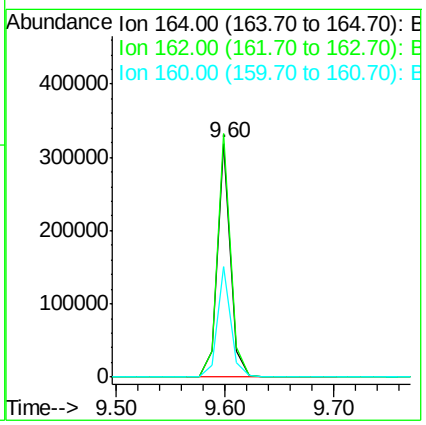


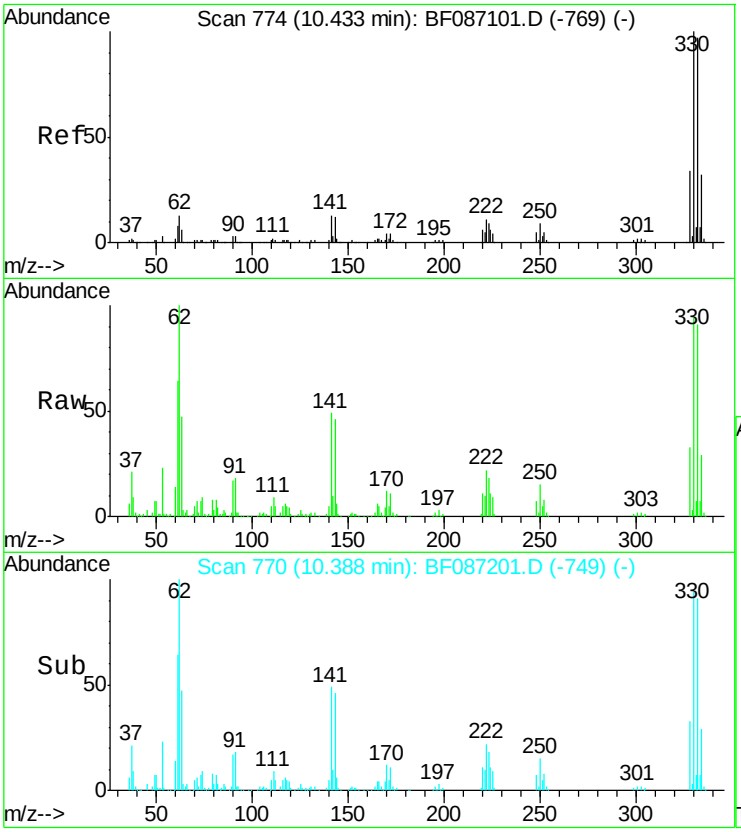


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:164 Resp: 271116

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.8	124.2
160	47.2	36.9	55.3



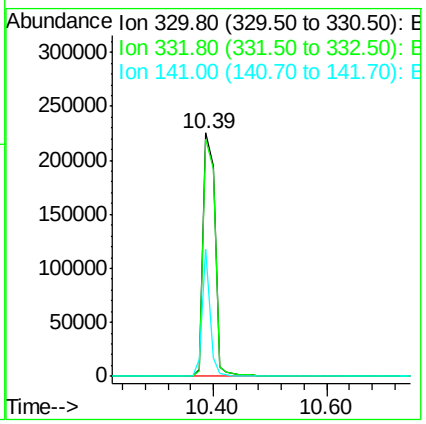


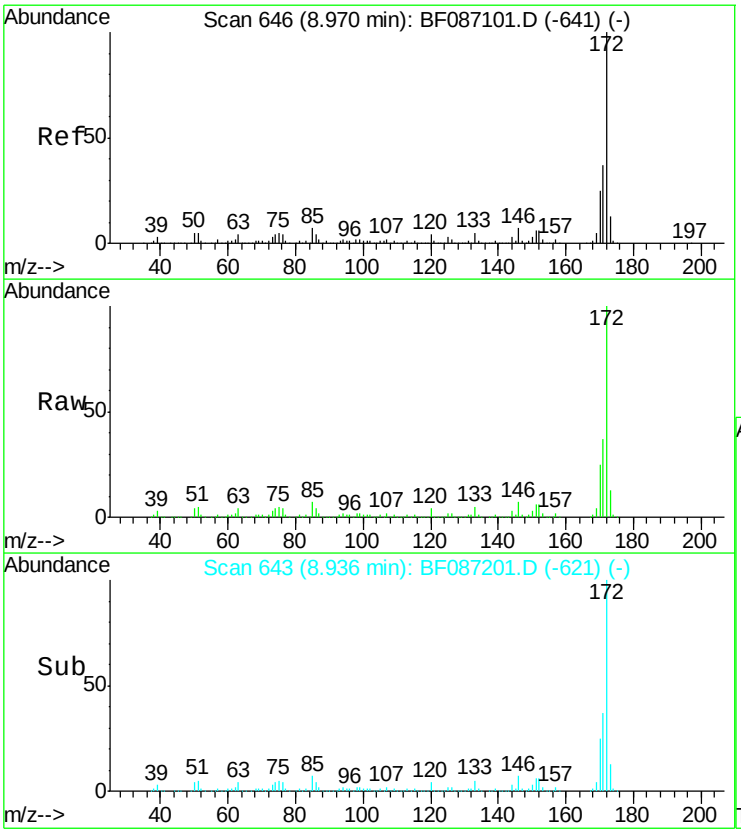
#41
2,4,6-Tribromophenol
Concen: 103.23 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:330 Resp: 309271

Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.0	118.4
141	35.0	31.2	46.8

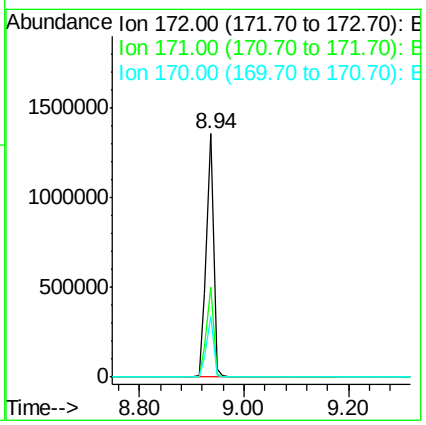


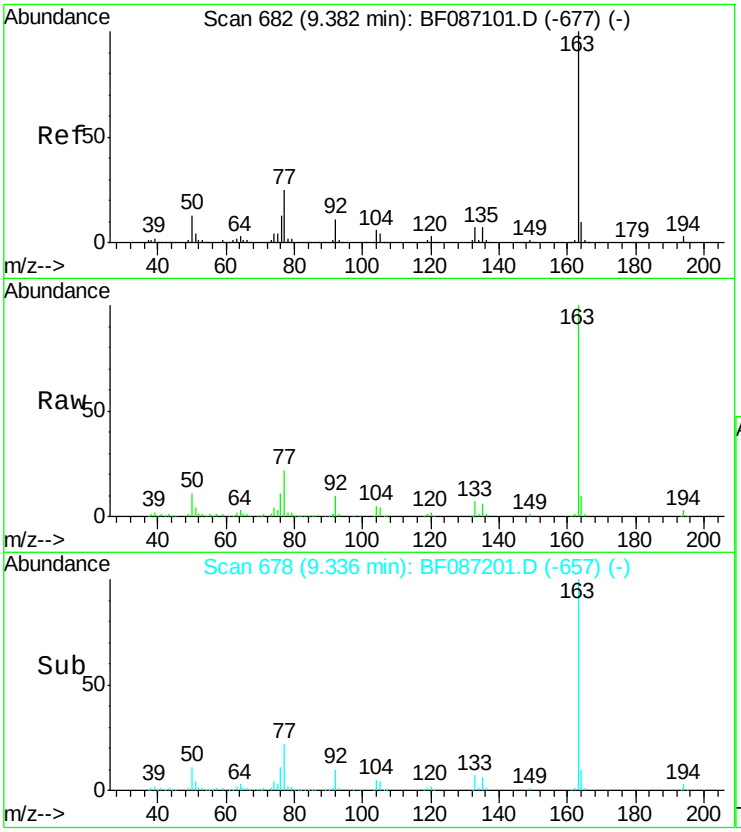


#44
2-Fluorobiphenyl
Concen: 80.16 ng
RT: 8.94 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:172 Resp: 1312207

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	24.6	19.8	29.8



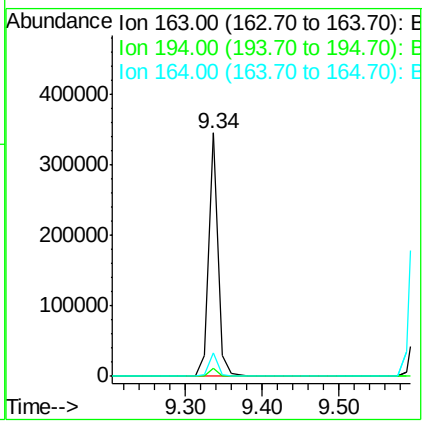


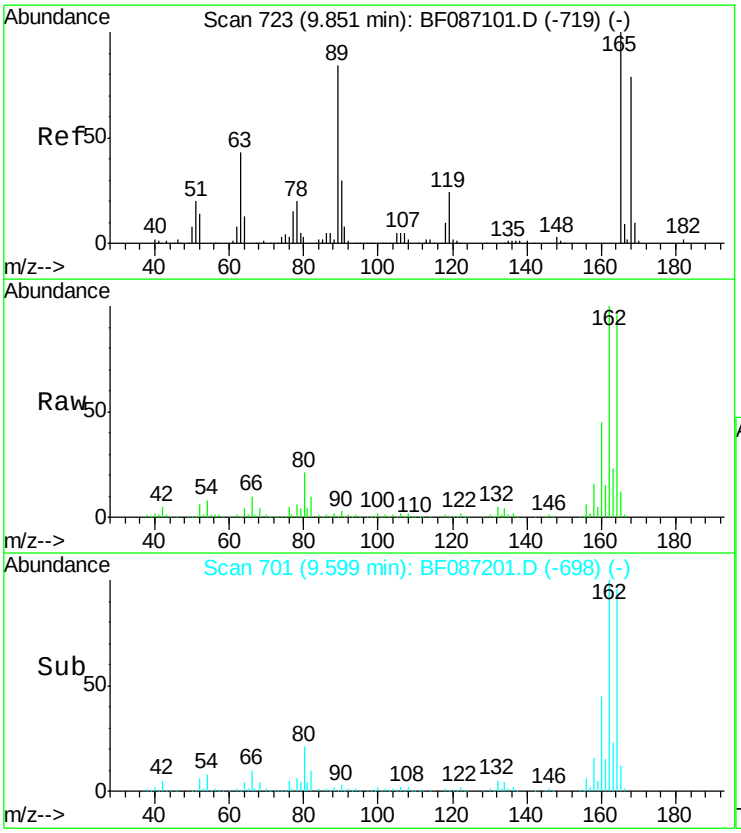
#49
Dimethylphthalate
Concen: 13.72 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:163 Resp: 283668

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.9	8.2	12.4

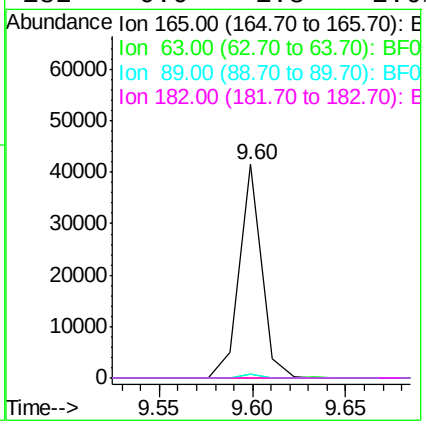


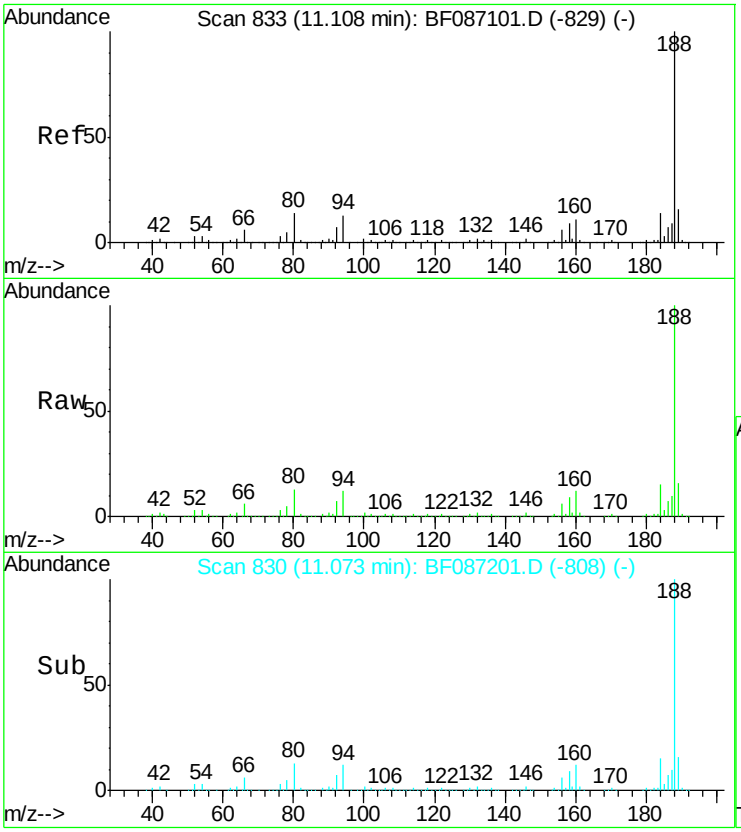


#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.26 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:165 Resp: 34689

Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.3	66.5#
89	2.0	70.0	105.0#
182	0.0	1.8	2.6#



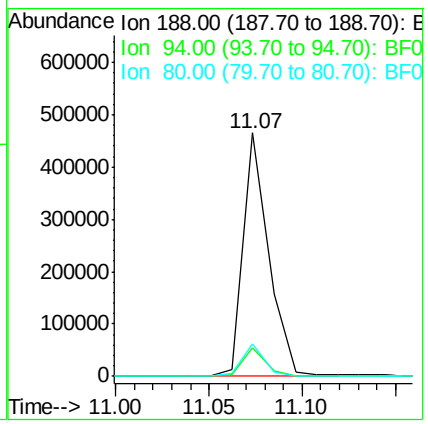


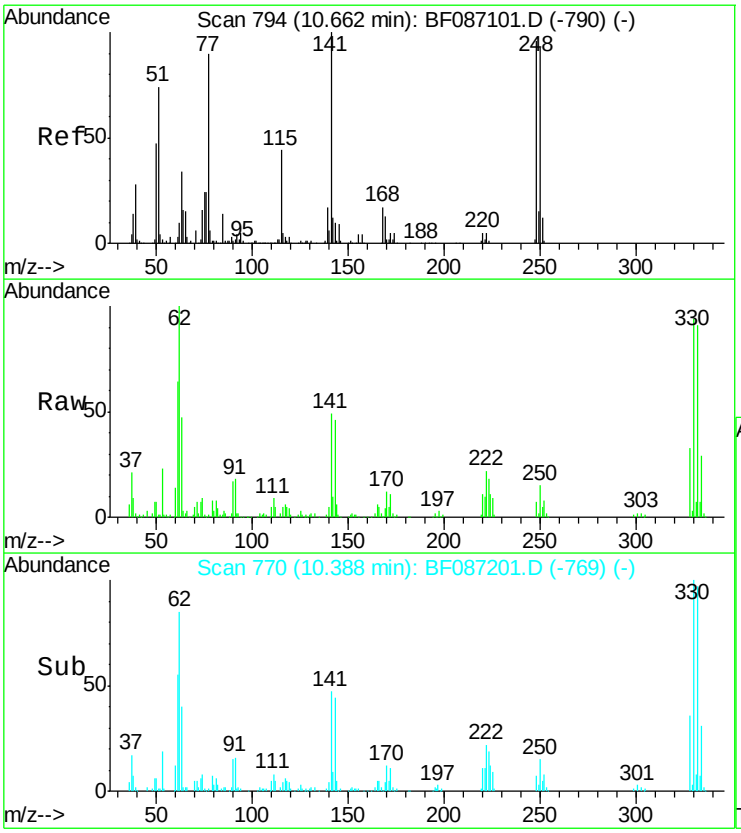
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:188 Resp: 444741

Ion	Ratio	Lower	Upper
188	100		
94	11.9	6.8	10.2#
80	13.4	7.1	10.7#

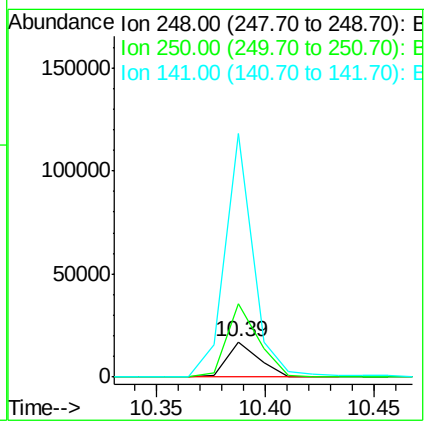


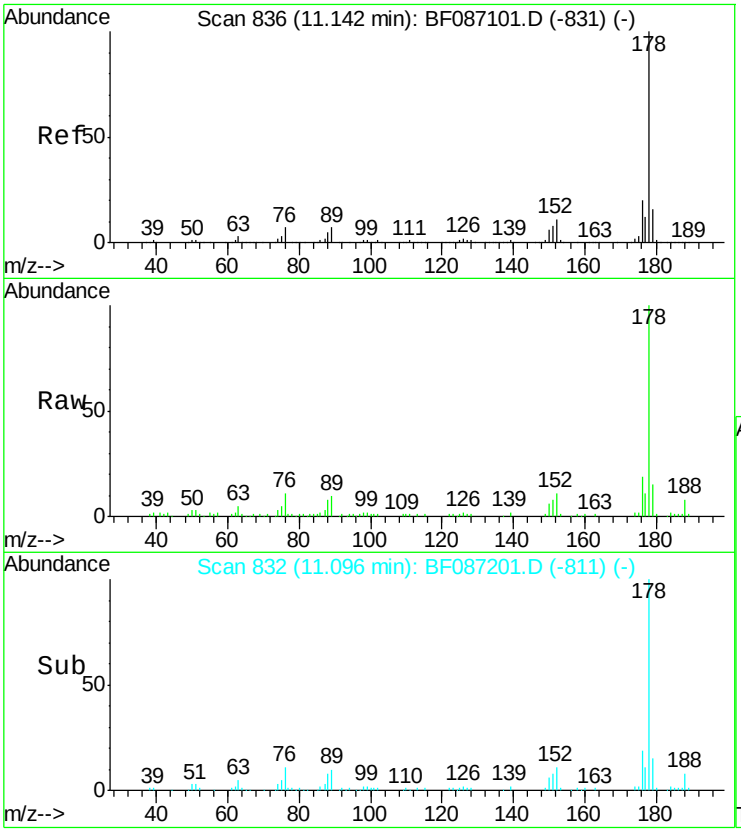


#66
4-Bromophenyl-phenylether
Concen: 3.84 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.29 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:248 Resp: 17556

Ion	Ratio	Lower	Upper
248	100		
250	206.2	78.6	117.8#
141	688.1	76.0	114.0#



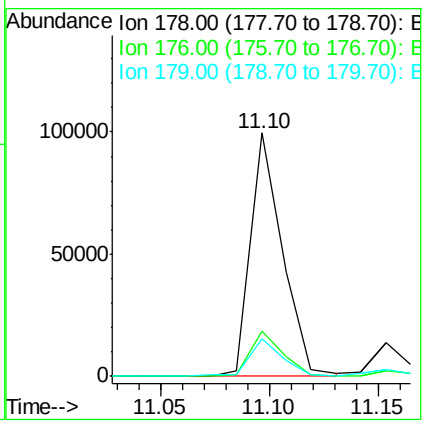


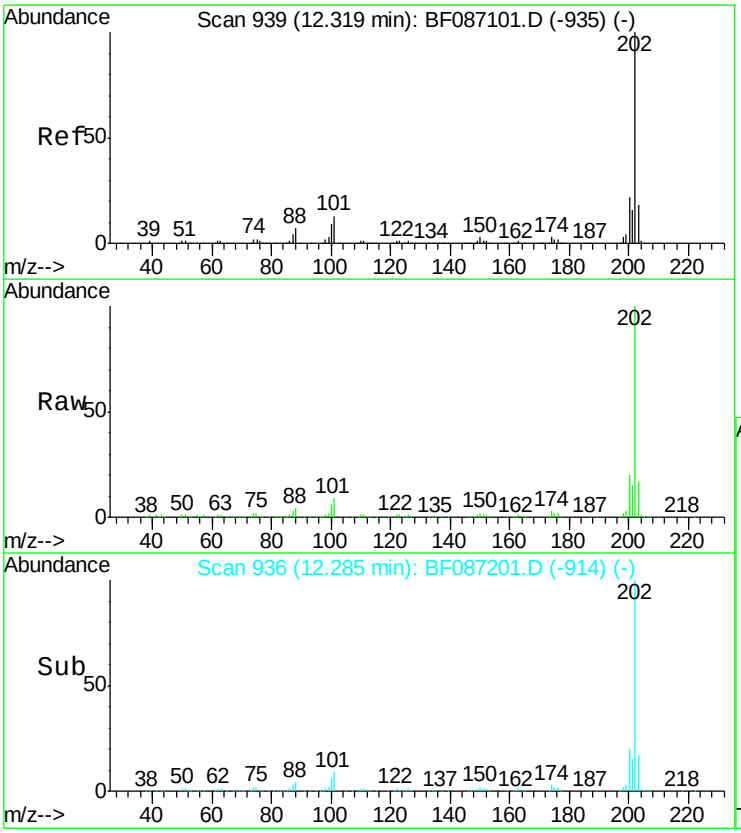
#70
Phenanthrene
Concen: 4.23 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:178 Resp: 102076

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.0	24.0
179	15.2	12.6	18.8

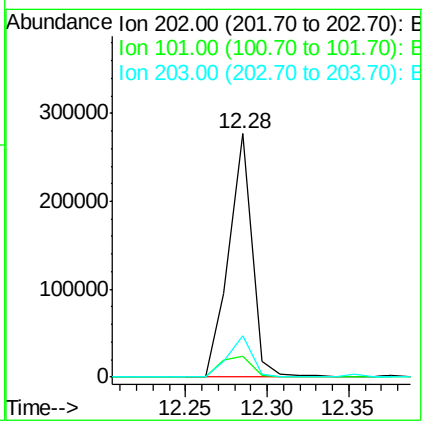


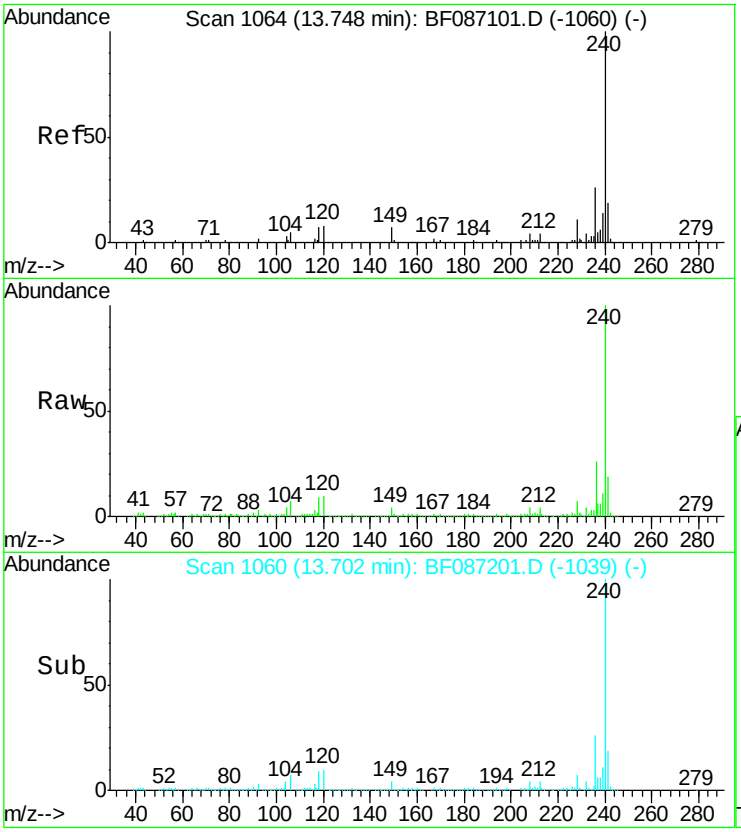


#74
Fluoranthene
Concen: 11.31 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:202 Resp: 273266

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	35.4
203	17.0	0.0	38.1



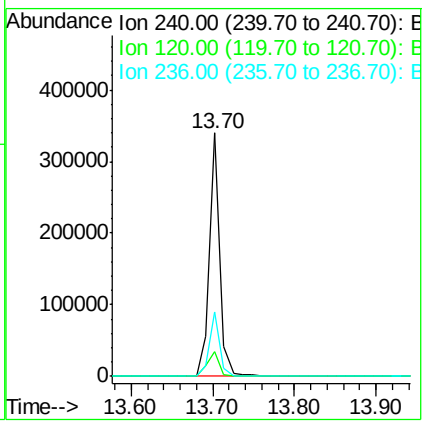


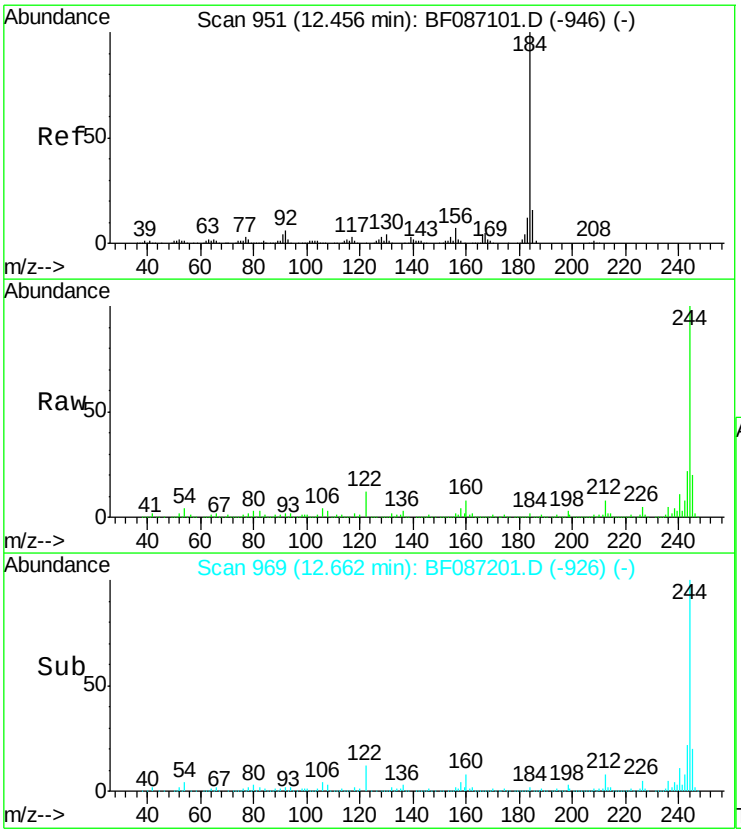
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:240 Resp: 308668

Ion	Ratio	Lower	Upper
240	100		
120	10.3	11.2	16.8#
236	26.5	21.2	31.8

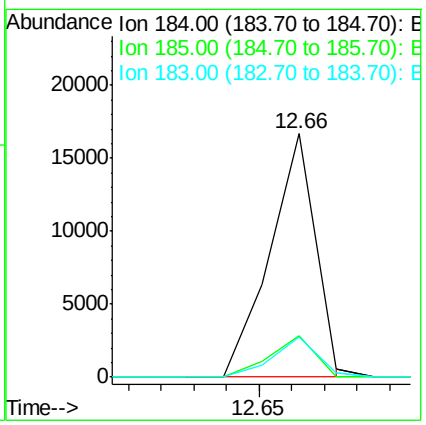


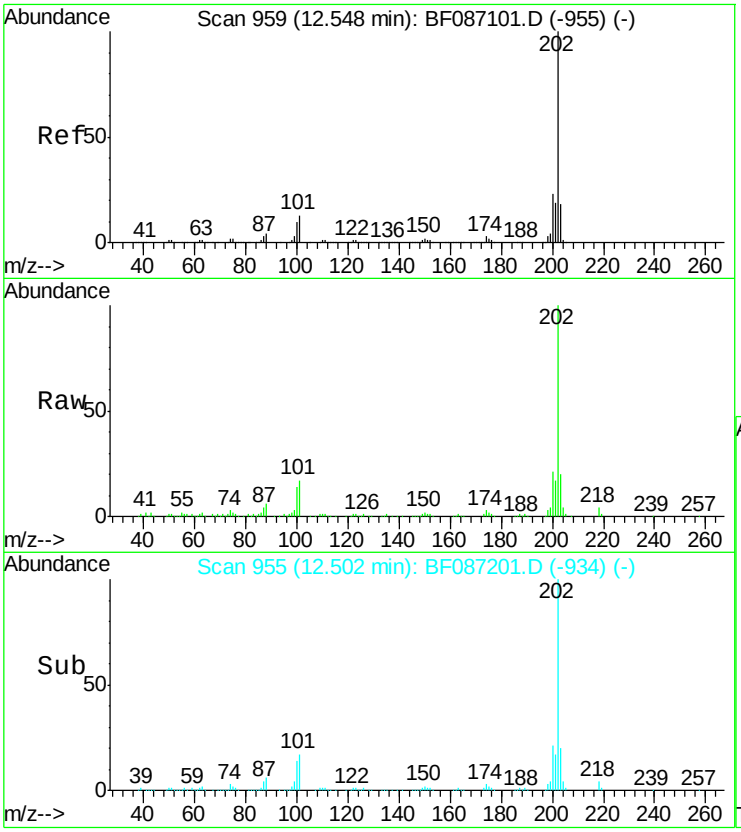


#76
Benzidine
Concen: 2.35 ng
RT: 12.66 min Scan# 969
Delta R.T. 0.20 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:184 Resp: 16134

Ion	Ratio	Lower	Upper
184	100		
185	17.2	13.6	20.4
183	16.6	9.8	14.6#



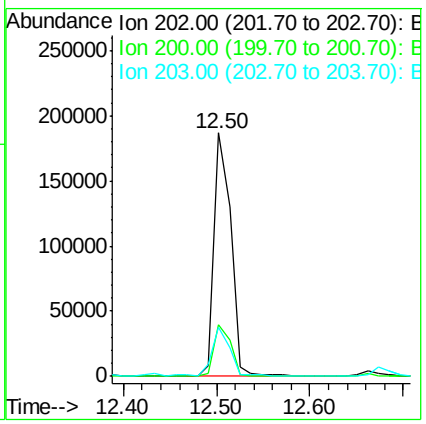


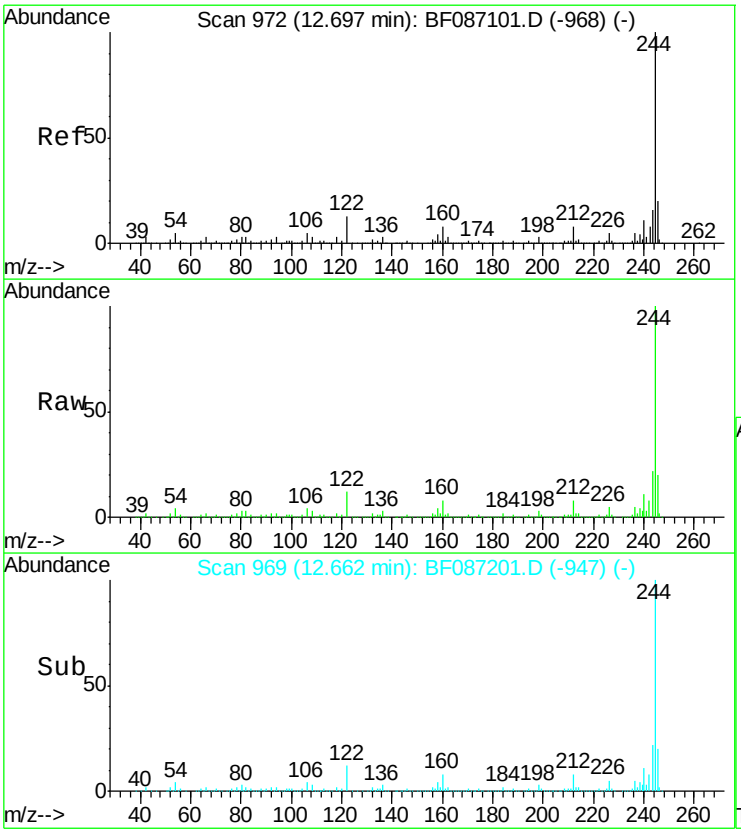
#77
Pyrene
Concen: 10.27 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:202 Resp: 229118

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	19.9	14.2	21.4

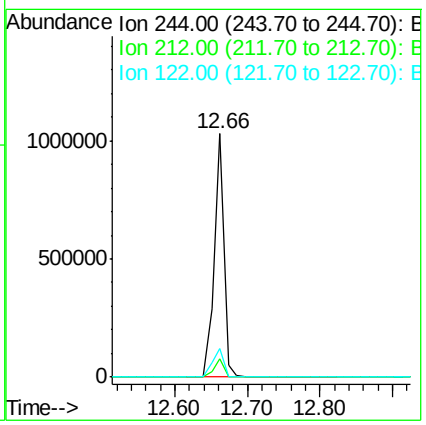


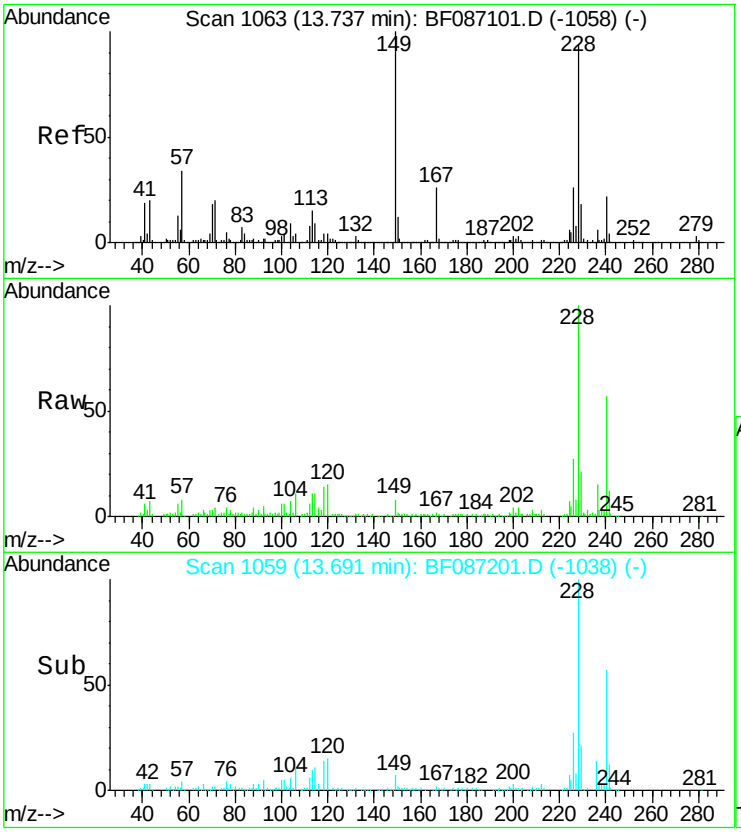


#78
Terphenyl-d14
Concen: 69.96 ng
RT: 12.66 min Scan# 969
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:244 Resp: 954581

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	11.6	12.0	18.0#



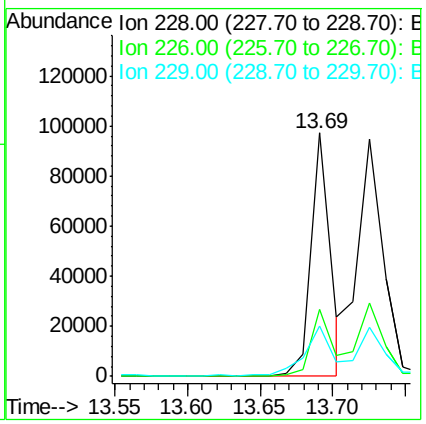


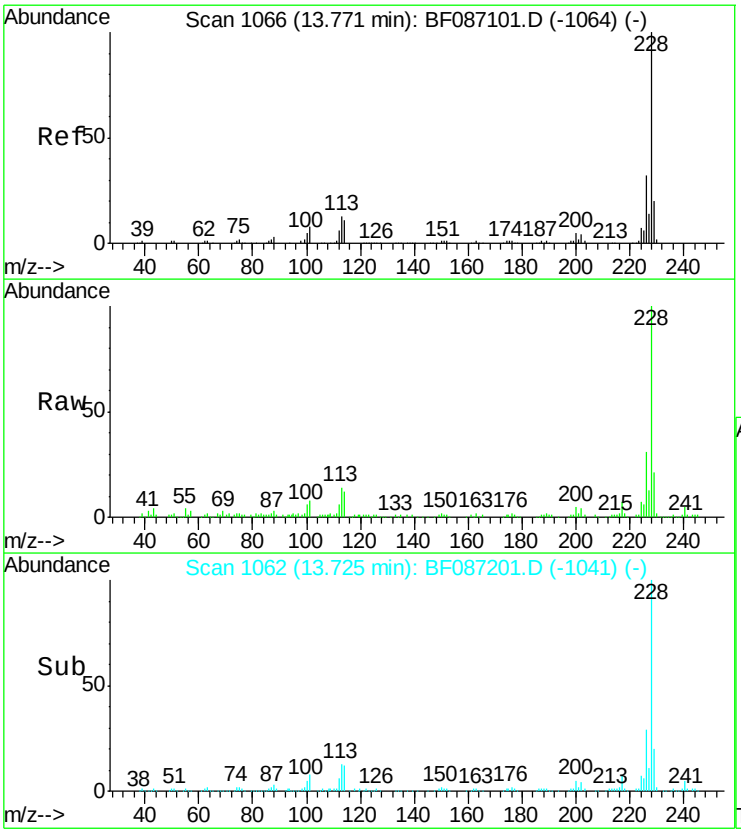
#80
Benzo(a)anthracene
Concen: 5.06 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:228 Resp: 90374

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.5	33.7
229	20.9	16.6	25.0

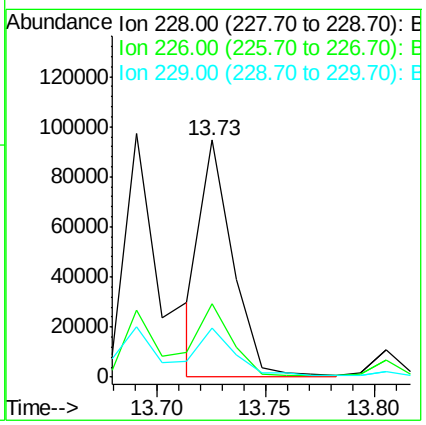


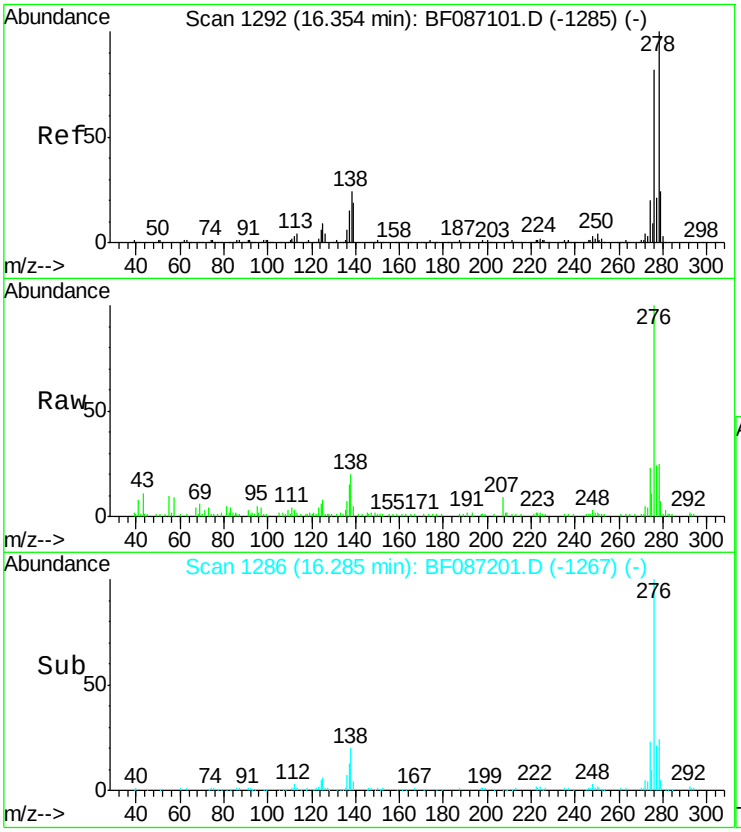


#82
Chrysene
Concen: 5.52 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:228 Resp: 95284

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	20.6	15.8	23.8



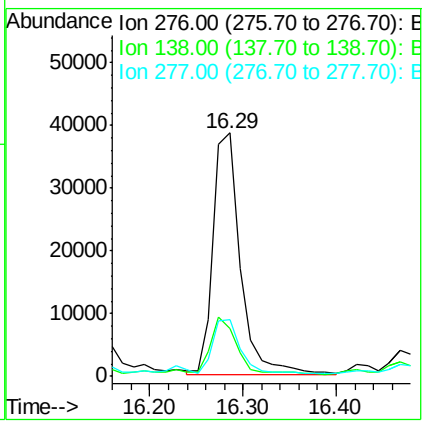


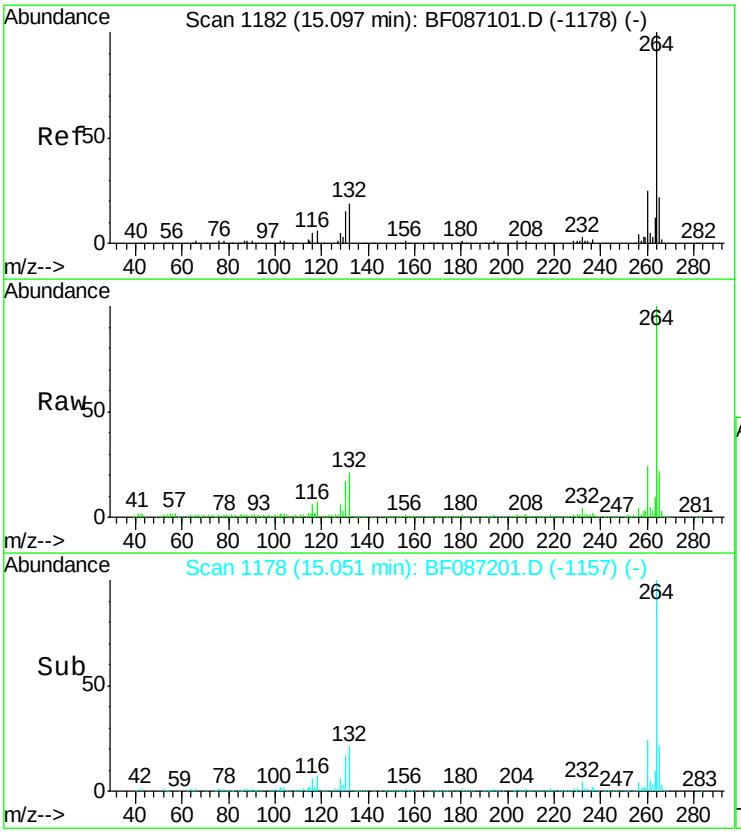
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.21 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:276 Resp: 78920

Ion	Ratio	Lower	Upper
276	100		
138	24.4	25.6	38.4#
277	22.0	20.5	30.7

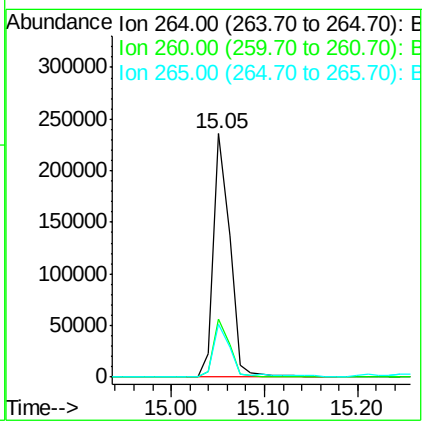


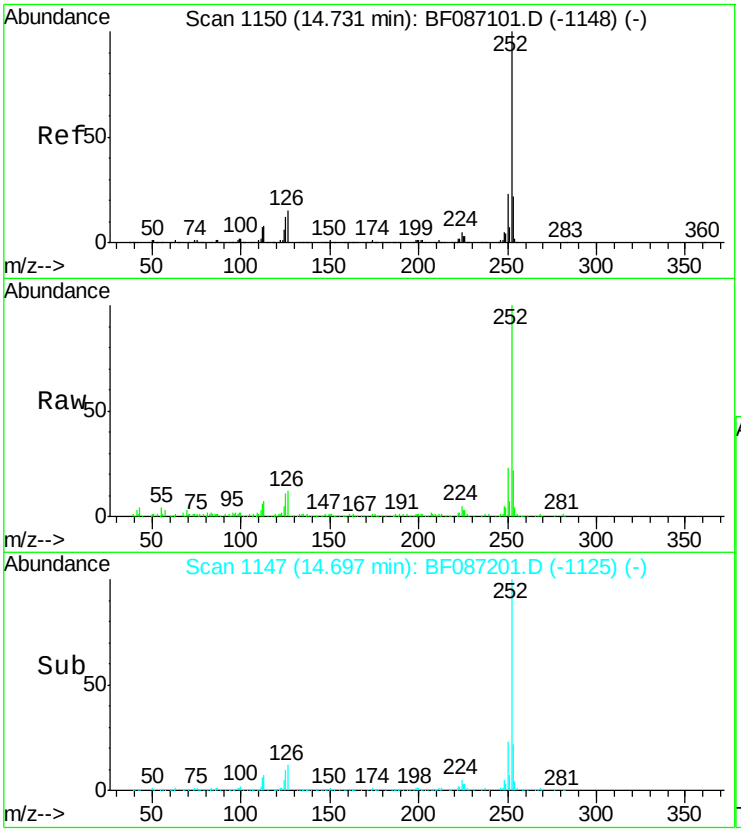


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:264 Resp: 288384

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.8	17.3	25.9



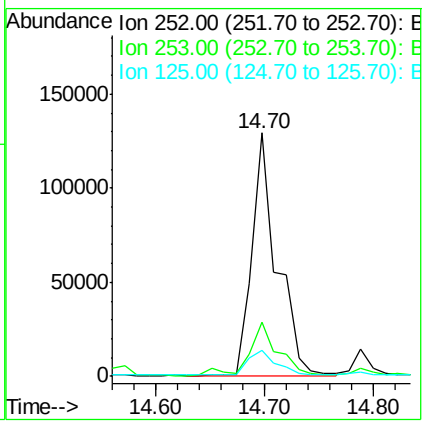


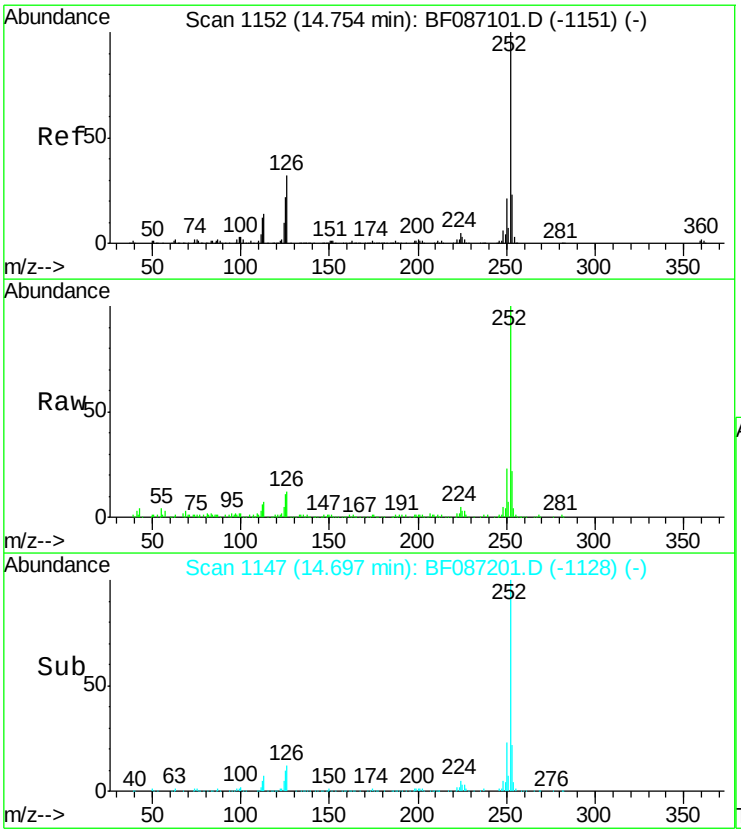
#87
Benzo(b)fluoranthene
Concen: 11.02 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:252 Resp: 210821

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	10.9	11.4	17.0#

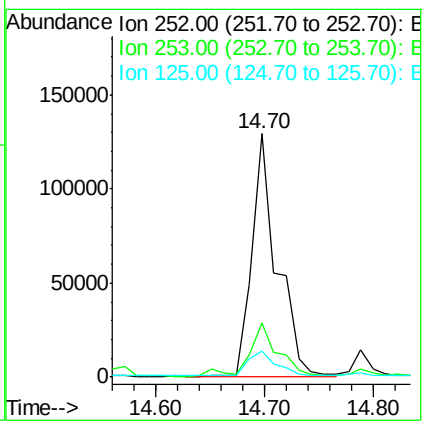


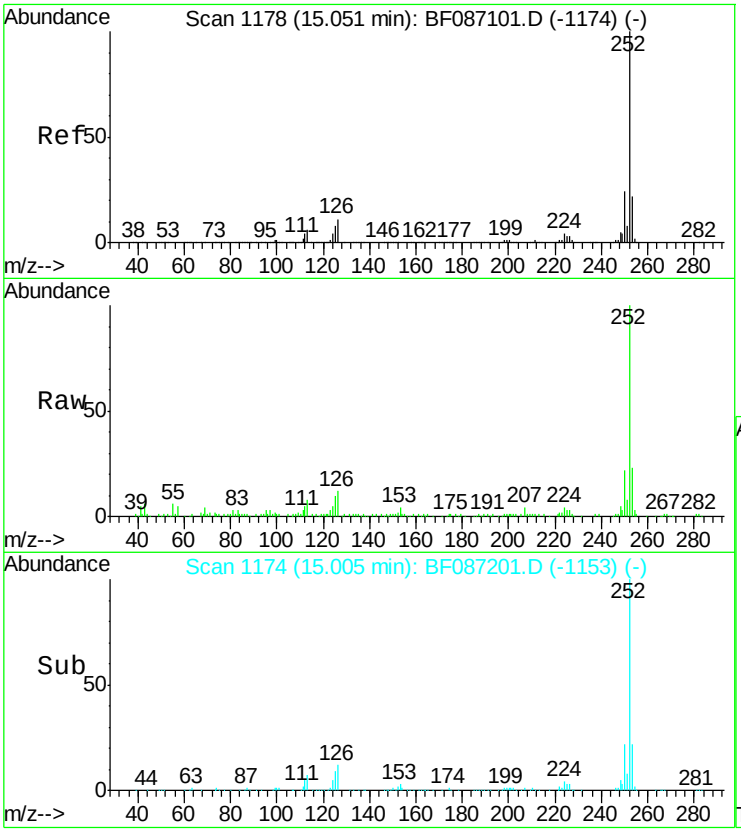


#88
Benzo(k)fluoranthene
Concen: 14.80 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:252 Resp: 210821

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	10.9	9.1	13.7



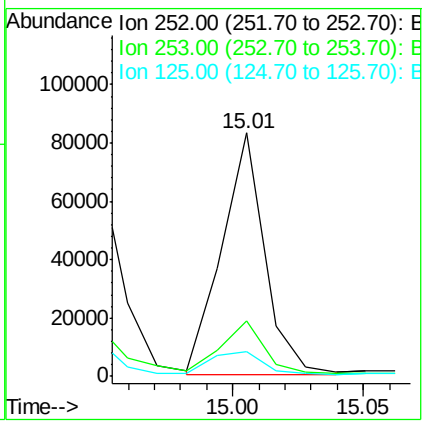


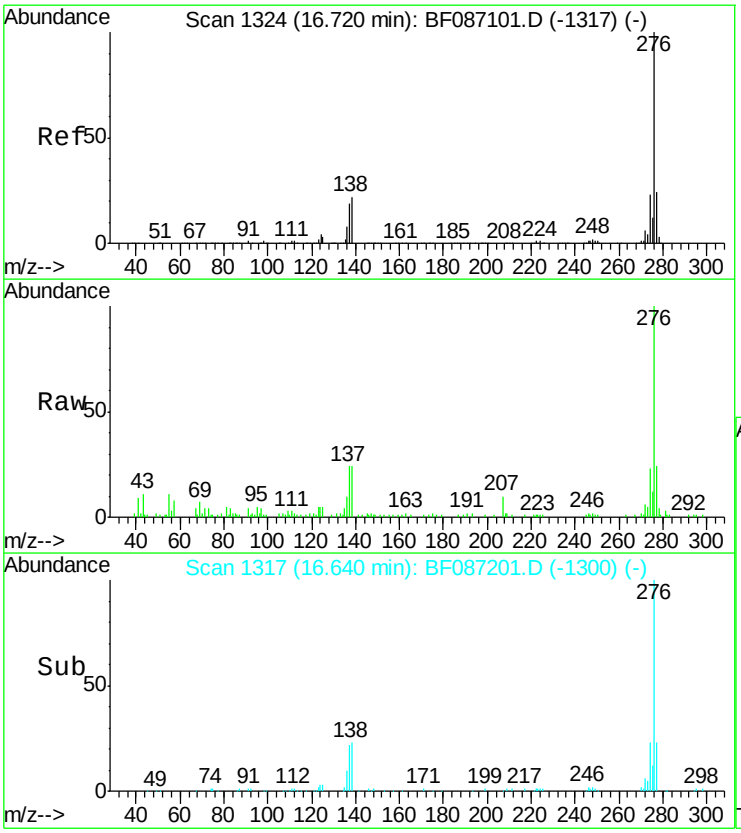
#89
Benzo(a)pyrene
Concen: 6.02 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:252 Resp: 96226

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.0	9.0	13.6





#91
Benzo(g,h,i)perylene
Concen: 5.45 ng
RT: 16.64 min Scan# 1317
Delta R.T. -0.10 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:276 Resp: 74052

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	24.2	23.6	35.4