Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089503.D
Acq On : 1 Aug 2016 9:42
Operator : UM/SJ
Sample : H4307-01DL 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 01 13:55:32 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	29965	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	116038	20.00	ng	-0.05
38) Acenaphthene-d10	9.53	164	46382	20.00	ng	-0.05
63) Phenanthrene-d10	11.00	188	87528	20.00	ng	-0.05
75) Chrysene-d12	13.62	240	77704	20.00	ng	-0.05
86) Perylene-d12	14.95	264	59181	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	11639	6.20	ng	-0.03
7) Phenol-d6	6.17	99	17913	7.22	ng	-0.03
23) Nitrobenzene-d5	7.07	82	16373	8.33	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	2250	5.86	ng	-0.05
44) 2-Fluorobiphenyl	8.86	172	19134	6.05	ng	-0.06
78) Terphenyl-d14	12.58	244	17014	5.12	ng	-0.05
Target Compounds						Qvalue
2) 1,4-Dioxane	1.67	88	70064	86.49	ng	# 26
18) Hexachloroethane	6.99	117	7534	8.02	ng	# 1
19) n-Nitroso-di-n-propylamine	6.92	70	5171	3.46	ng	# 76
22) Acetophenone	6.90	105	12472	4.51	ng	# 33
25) Isophorone	7.30	82	10241	2.59	ng	# 1
31) Naphthalene	7.80	128	82443	14.35	ng	# 95
35) Caprolactam	8.23	113	13230	30.19	ng	# 1
37) 2-Methylnaphthalene	8.50	142	136423	39.40	ng	99
47) 2-Nitroaniline	9.12	65	2991	3.41	ng	# 39
51) Acenaphthene	9.56	154	8812	3.23	ng	# 80
53) 2,4-Dinitrophenol	9.83	184	1767	13.21	ng	# 84
54) Dibenzofuran	9.74	168	9241	2.49	ng	# 1
55) 4-Nitrophenol	9.74	139	6393	22.01	ng	# 57
56) 2,4-Dinitrotoluene	9.74	165	4089	4.28	ng	# 63
57) Fluorene	10.07	166	18897	5.82	ng	# 74
64) 4,6-Dinitro-2-methylphenol	10.27	198	239	4.75	ng	# 1
65) n-Nitrosodiphenylamine	10.19	169	35794	13.11	ng	# 44
68) Atrazine	10.73	200	3078	3.67	ng	# 72
70) Phenanthrene	11.03	178	49178	10.89	ng	# 94
71) Anthracene	11.03	178	49178	9.80	ng	# 94

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

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Misc :
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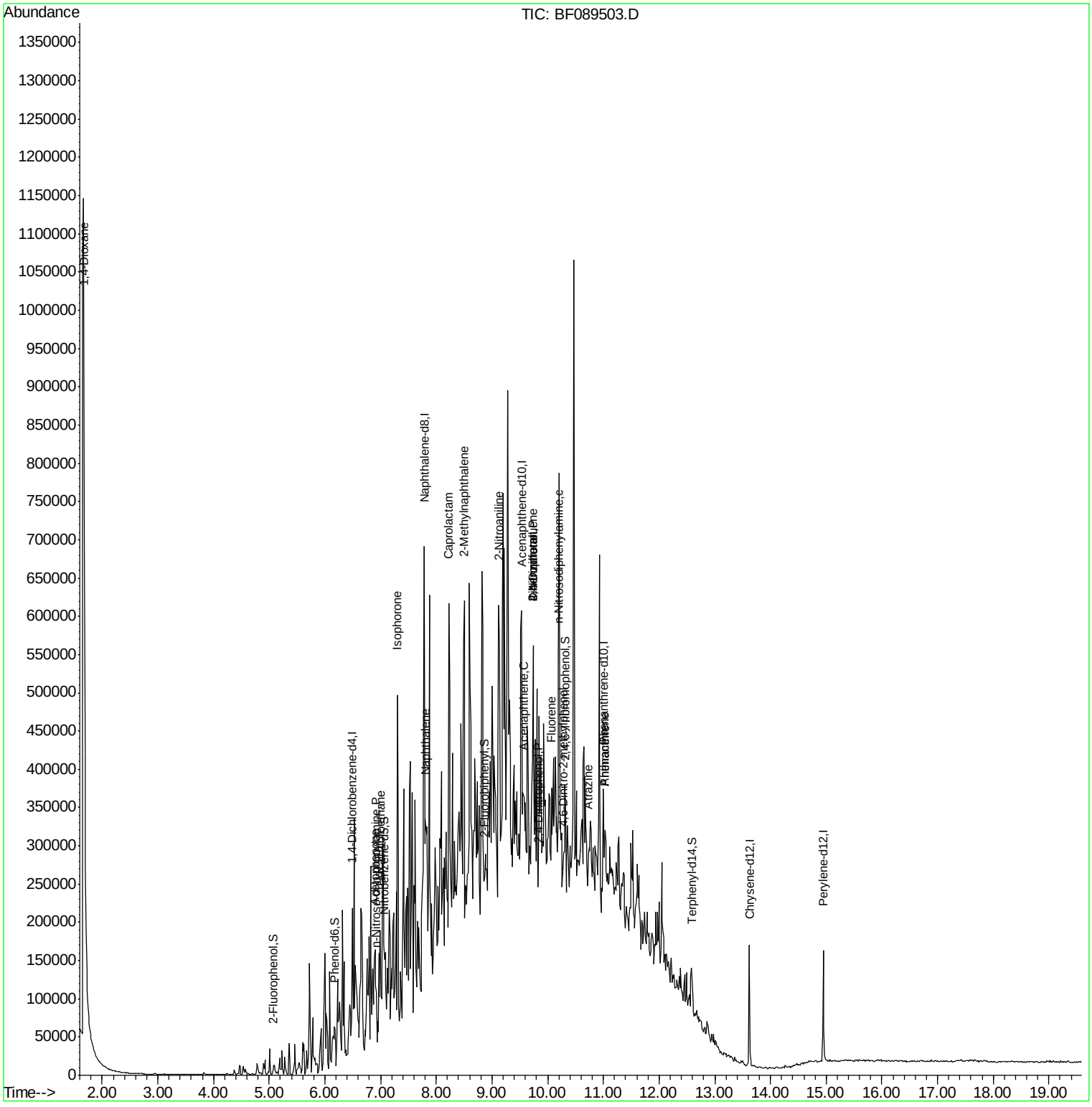
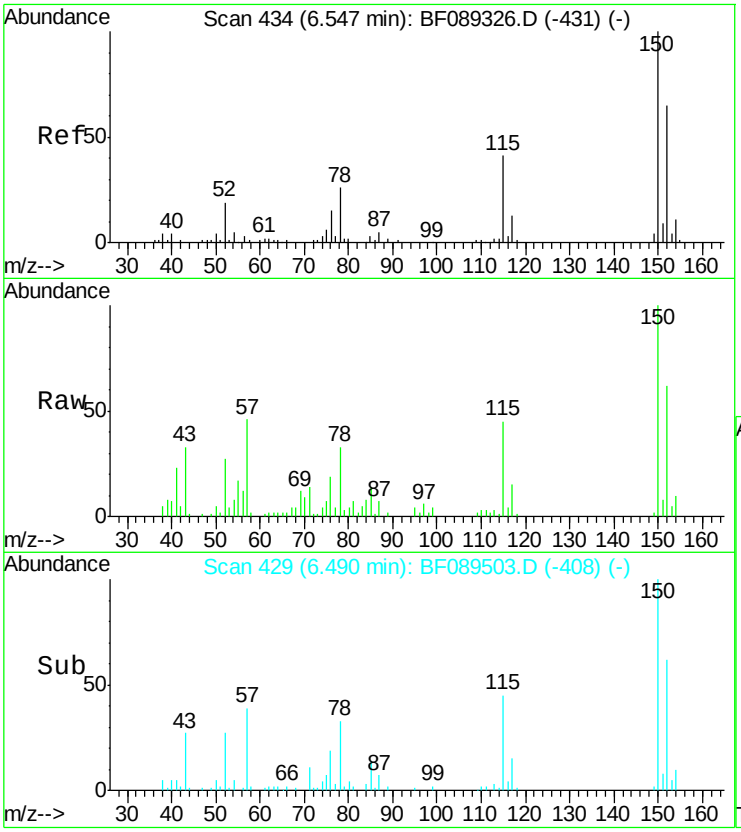


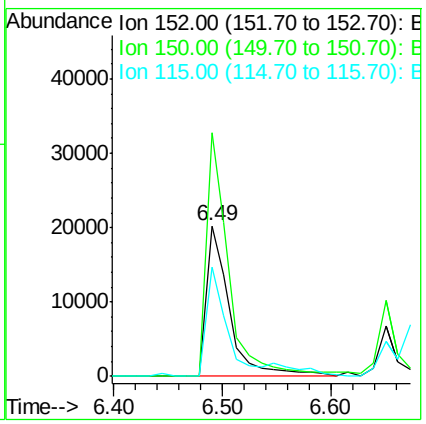


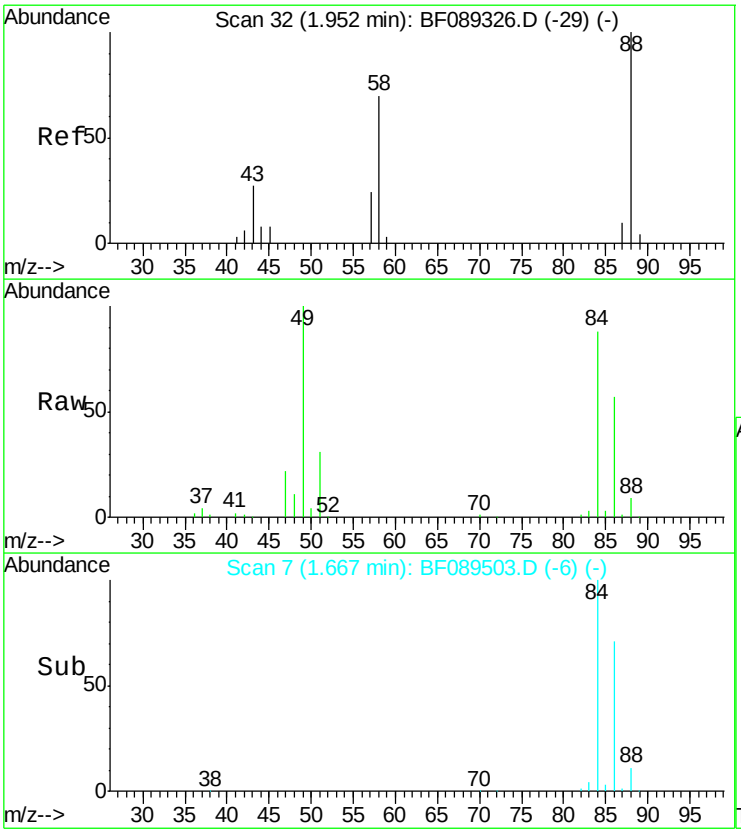
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.06 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 29965

Ion	Ratio	Lower	Upper
152	100		
150	161.8	129.5	194.3
115	73.0	51.4	77.2

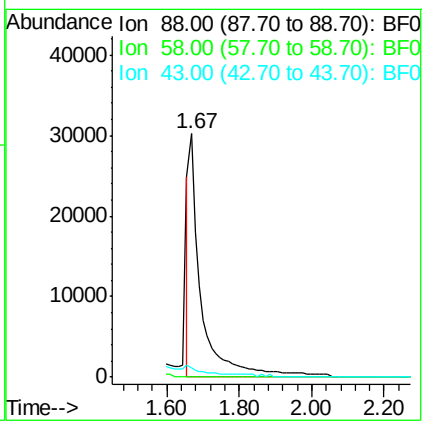


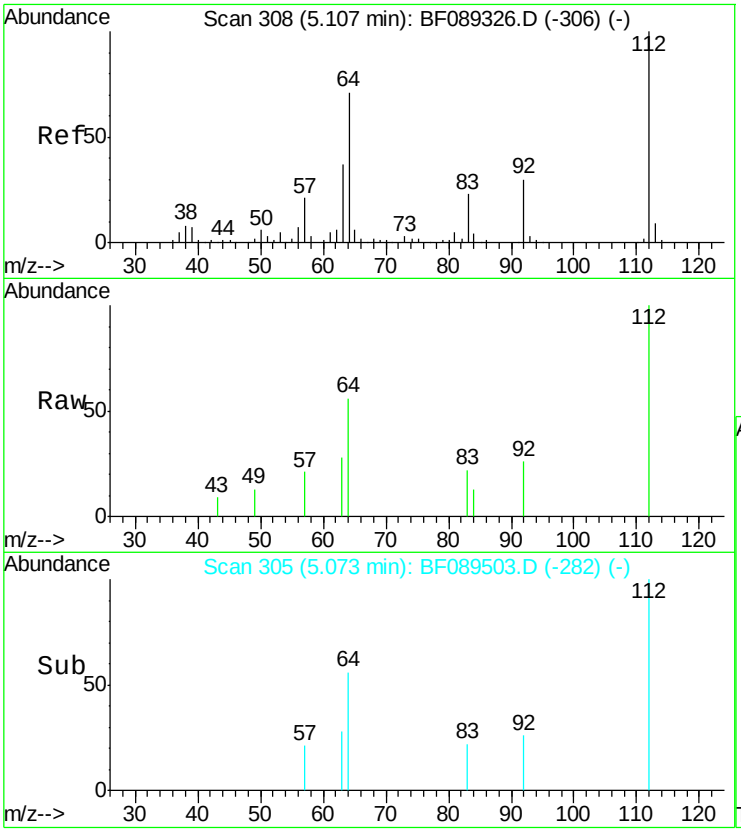


#2
1,4-Dioxane
Concen: 86.49 ng
RT: 1.67 min Scan# 7
Delta R.T. -0.29 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion: 88 Resp: 70064

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.2	79.8#
43	0.0	20.6	31.0#



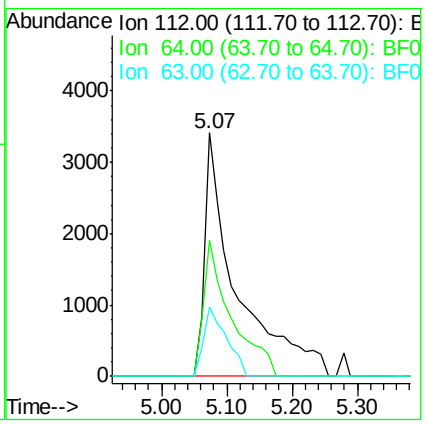


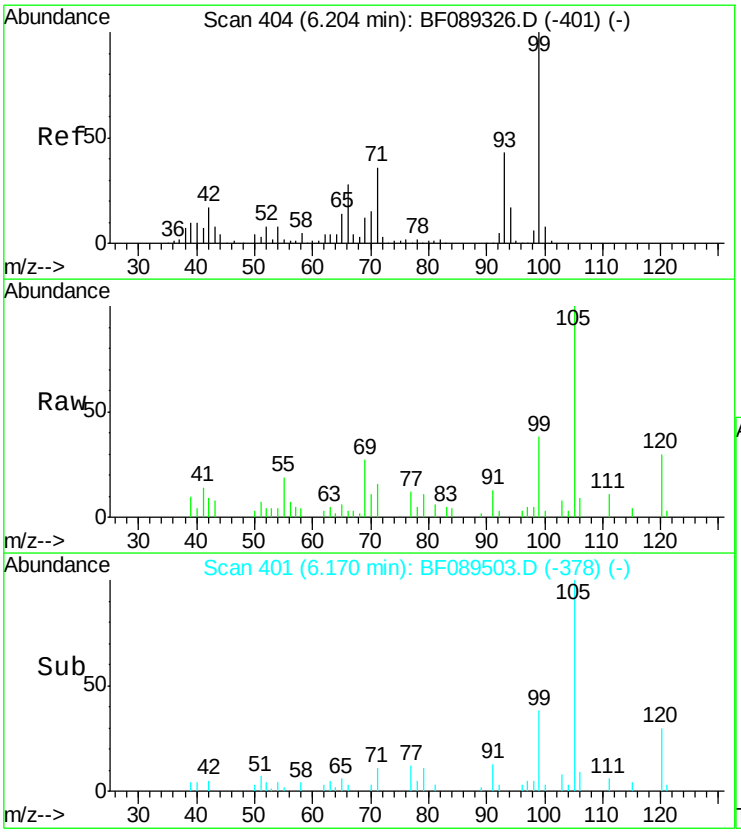
#5
2-Fluorophenol
Concen: 6.20 ng
RT: 5.07 min Scan# 305
Delta R.T. -0.03 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 11639

Ion	Ratio	Lower	Upper
112	100		
64	55.7	55.0	82.6
63	28.4	29.4	44.2#

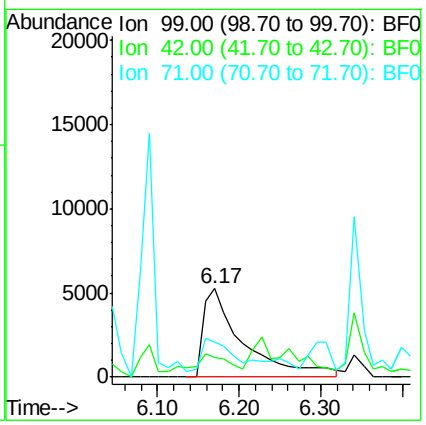


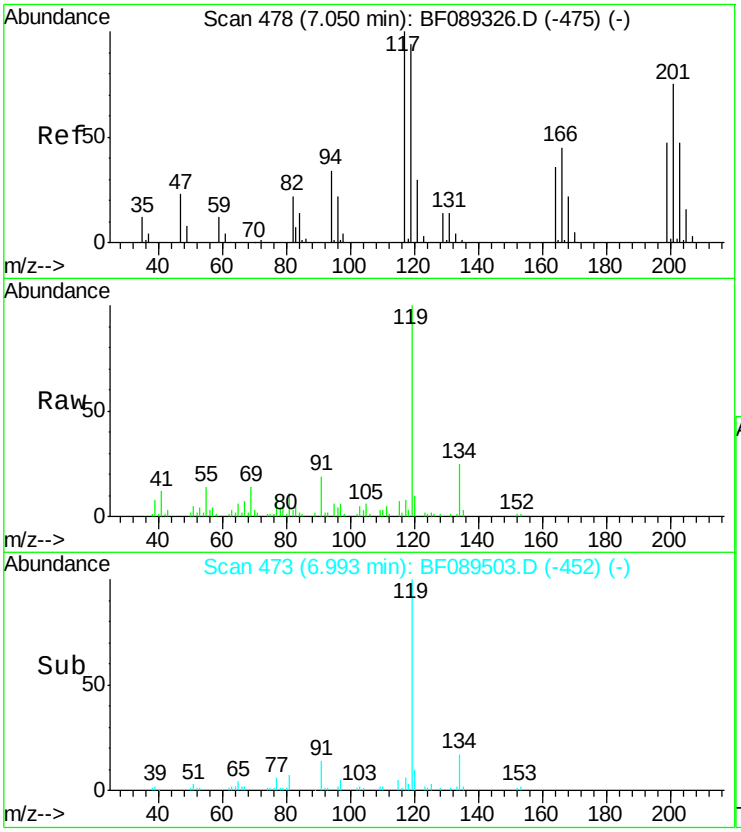


#7
Phenol-d6
Concen: 7.22 ng
RT: 6.17 min Scan# 401
Delta R.T. -0.03 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion: 99 Resp: 17913

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.6	20.4#
71	40.3	29.4	44.2



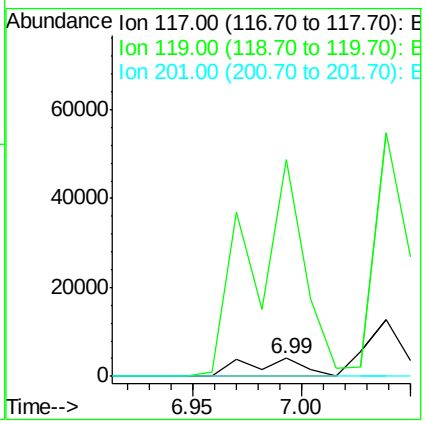


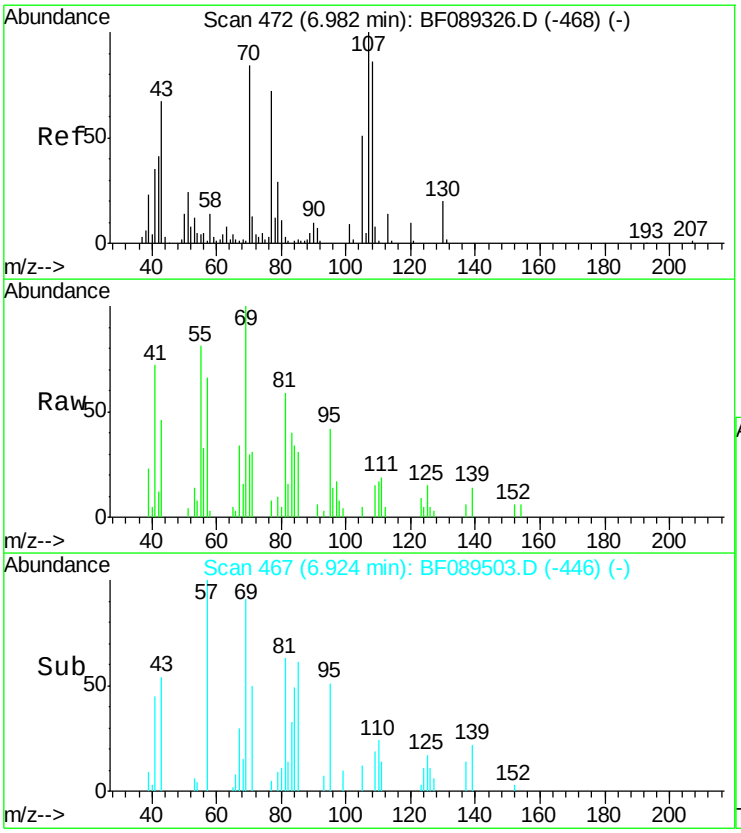
#18
Hexachloroethane
Concen: 8.02 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.06 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 7534

Ion	Ratio	Lower	Upper
117	100		
119	1212.4	76.0	114.0#
201	0.0	60.0	90.0#

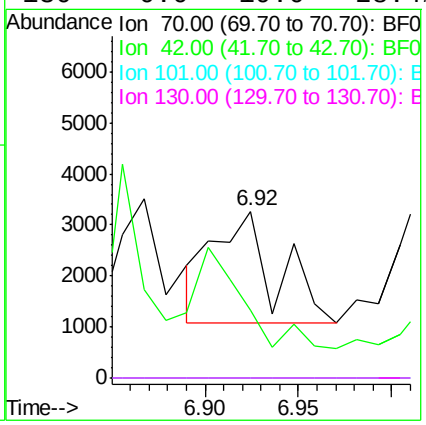


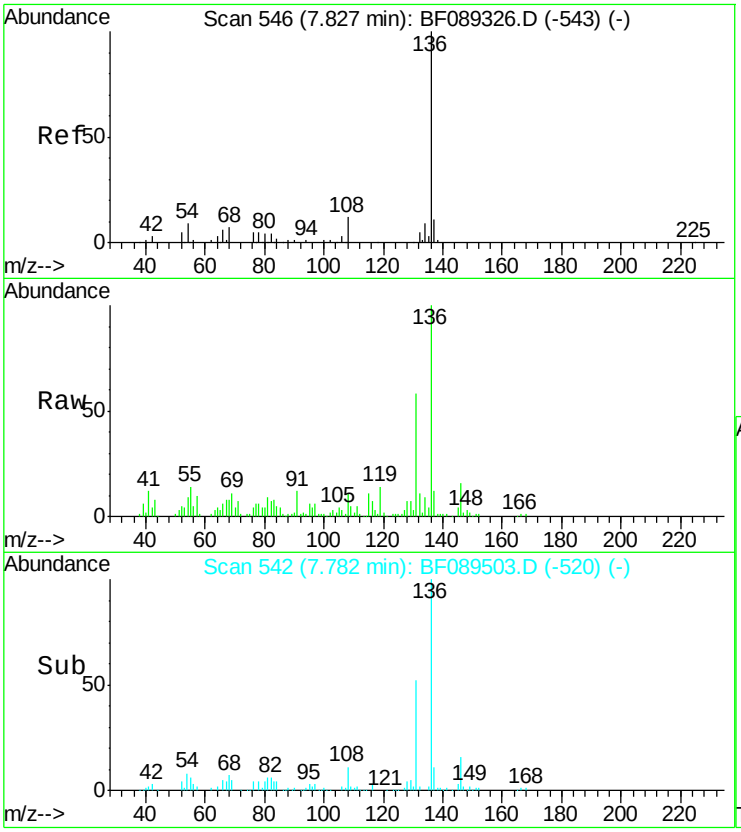


#19
n-Nitroso-di-n-propylamine
Concen: 3.46 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.06 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion: 70 Resp: 5171

Ion	Ratio	Lower	Upper
70	100		
42	40.6	38.6	57.8
101	0.0	8.3	12.5#
130	0.0	19.0	28.4#



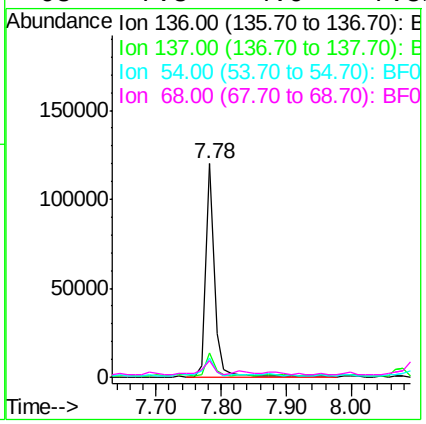


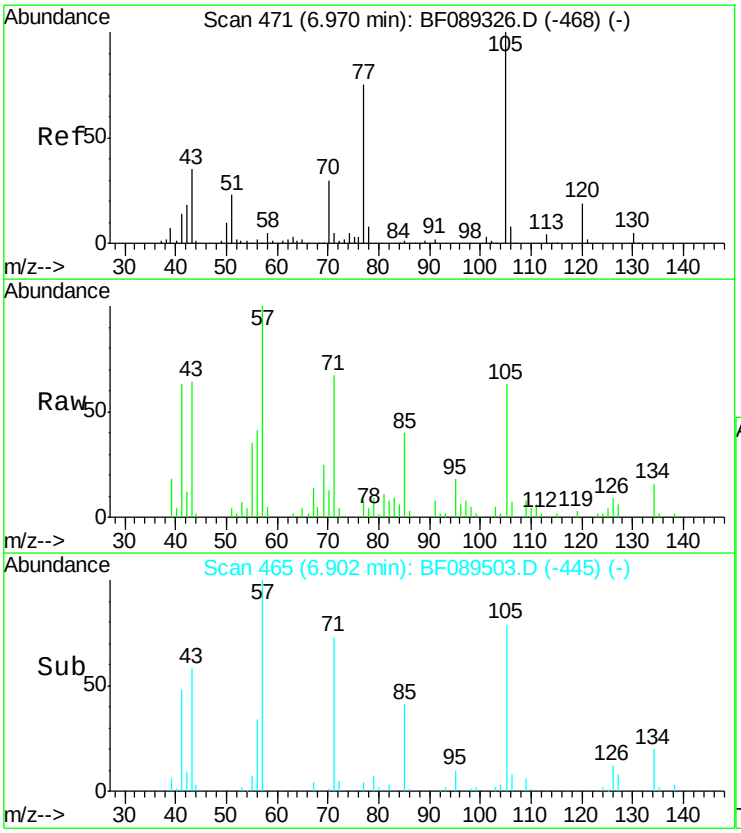
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 116038

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	9.1	7.0	10.4
68	7.8	4.9	7.3#

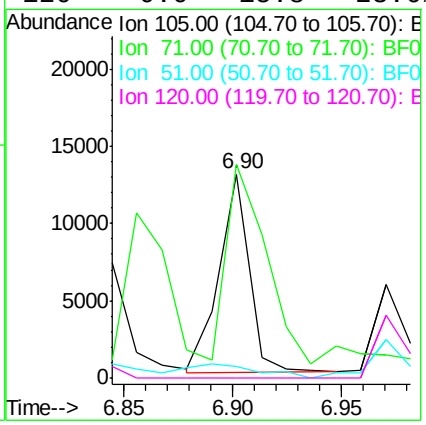


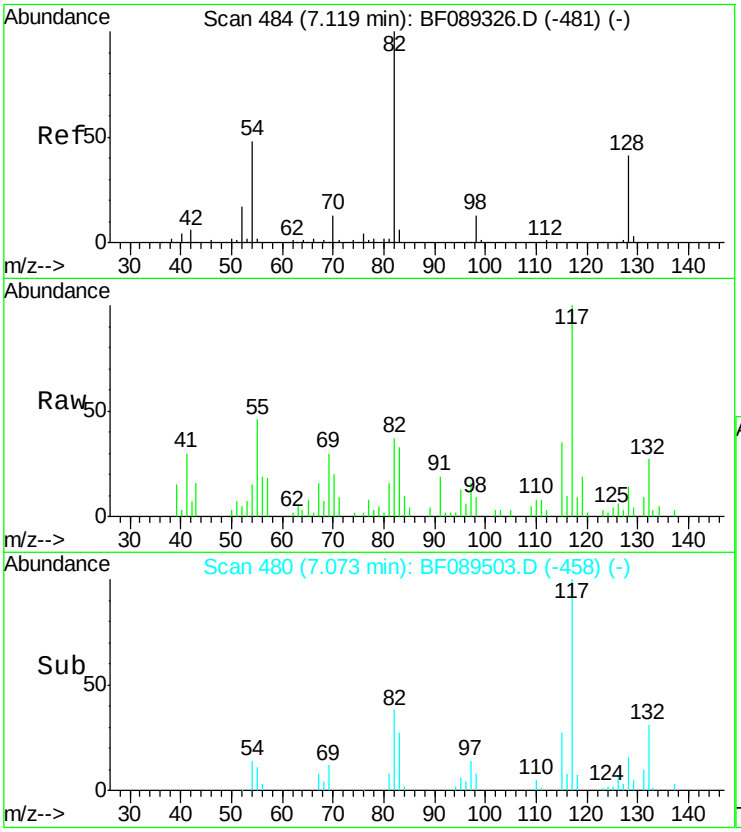


#22
Acetophenone
Concen: 4.51 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.07 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:105 Resp: 12472

Ion	Ratio	Lower	Upper
105	100		
71	104.9	4.2	6.2#
51	5.9	18.7	28.1#
120	0.0	15.8	23.6#



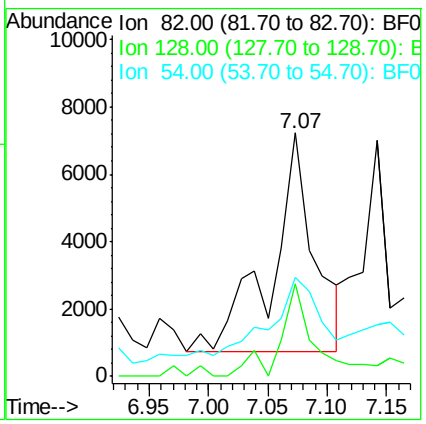


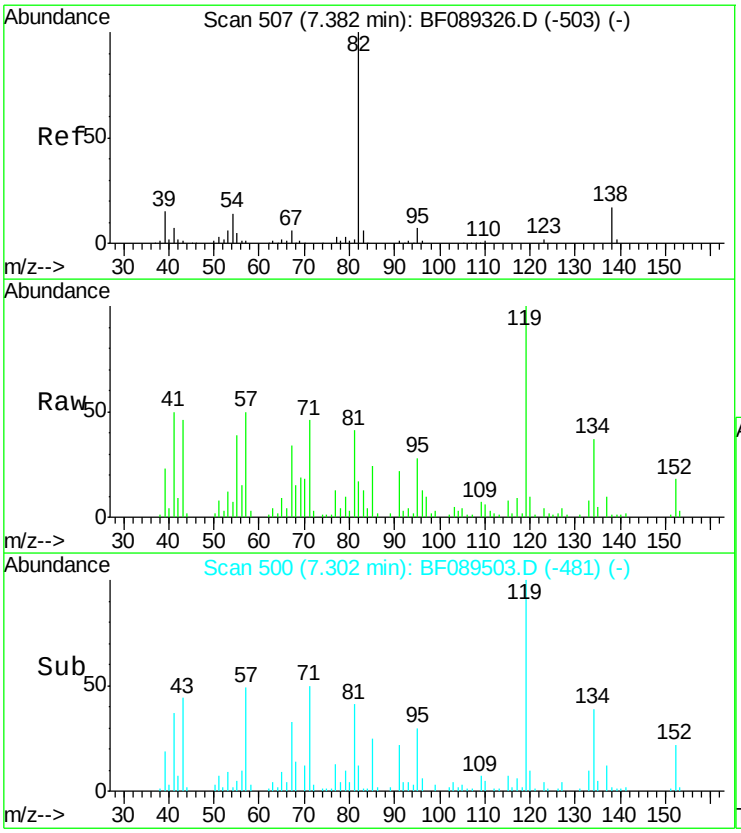
#23
Nitrobenzene-d5
Concen: 8.33 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 16373

Ion	Ratio	Lower	Upper
82	100		
128	37.8	32.5	48.7
54	40.5	38.8	58.2

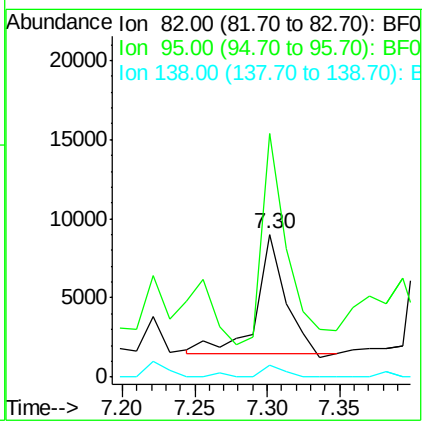


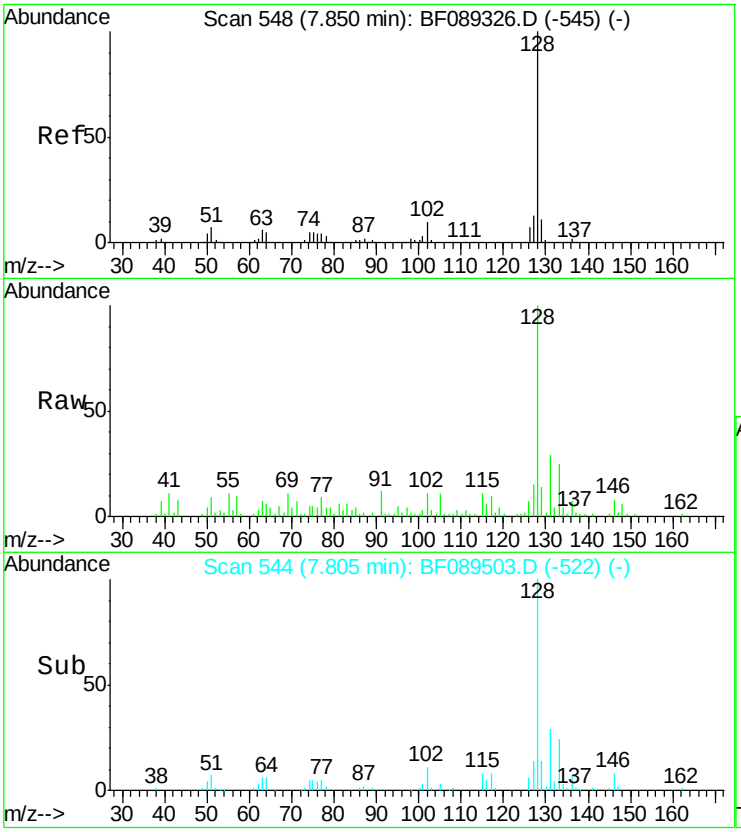


#25
Isophorone
Concen: 2.59 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.08 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion: 82 Resp: 10241

Ion	Ratio	Lower	Upper
82	100		
95	170.2	6.0	9.0#
138	8.2	13.3	19.9#



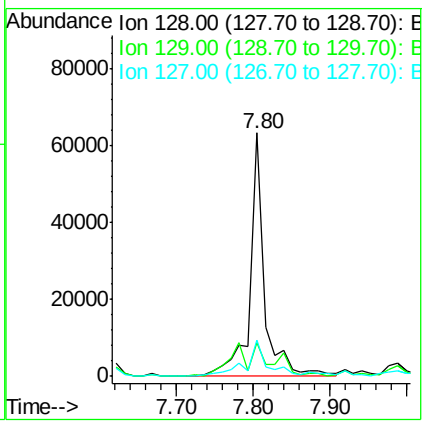


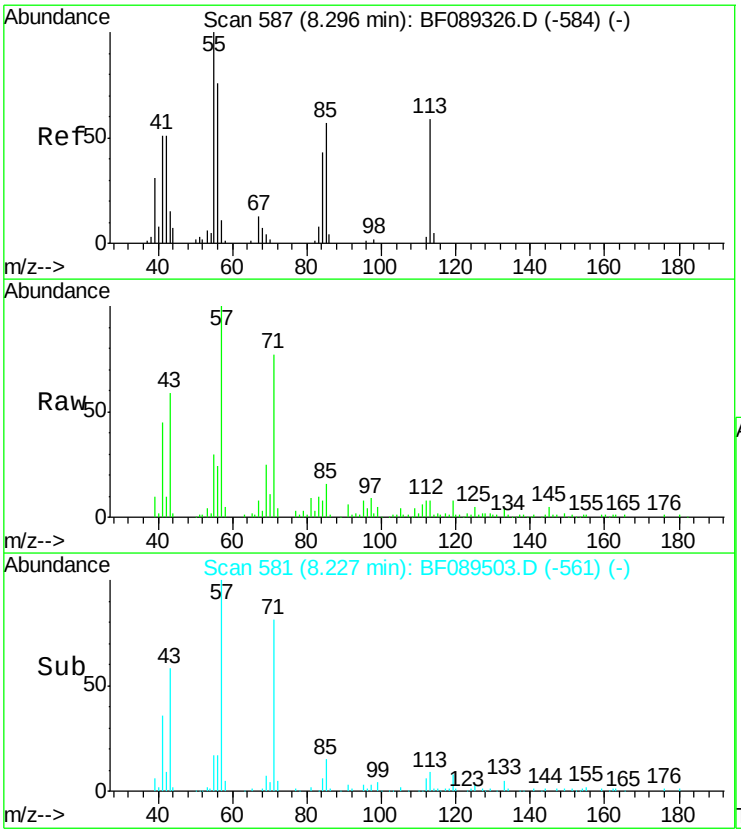
#31
Naphthalene
Concen: 14.35 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 82443

Ion	Ratio	Lower	Upper
128	100		
129	13.9	8.8	13.2#
127	14.7	10.8	16.2

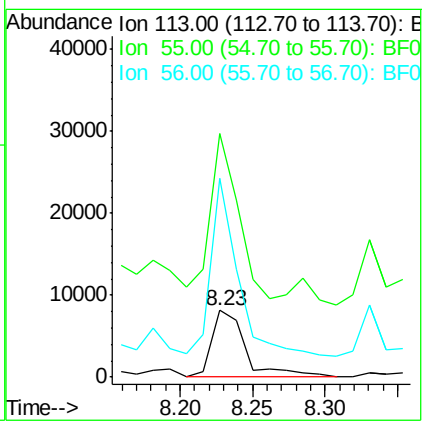


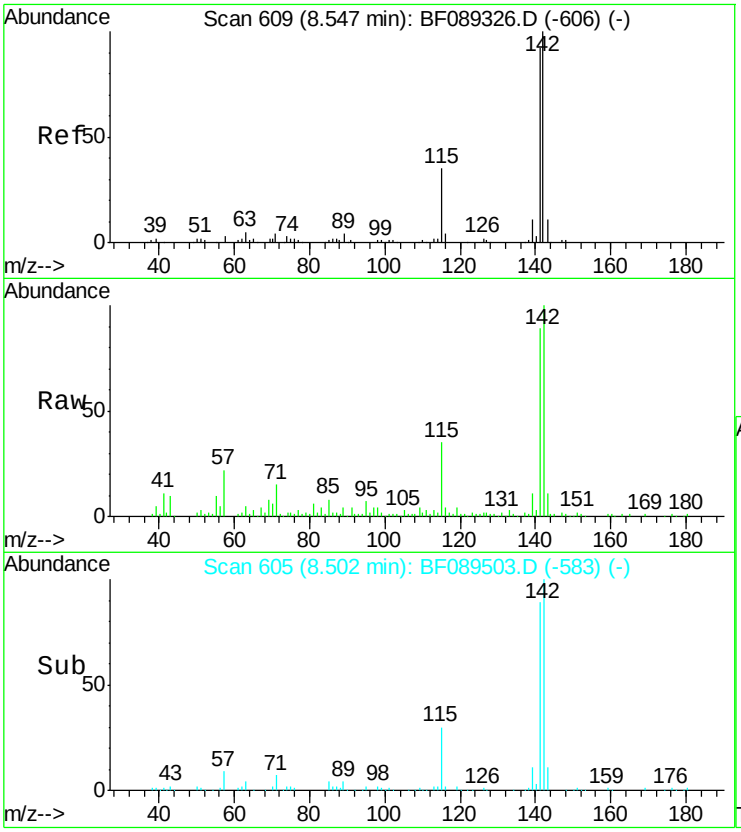


#35
Caprolactam
Concen: 30.19 ng
RT: 8.23 min Scan# 581
Delta R.T. -0.07 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:113 Resp: 13230

Ion	Ratio	Lower	Upper
113	100		
55	364.4	142.3	182.3#
56	297.2	105.8	145.8#



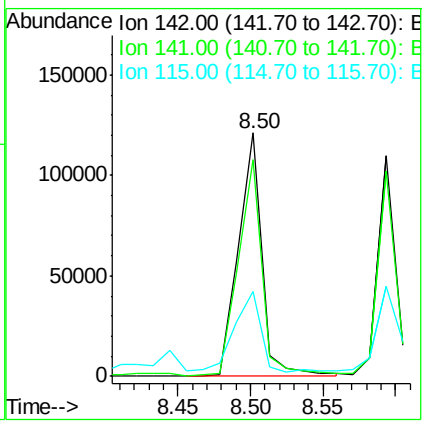


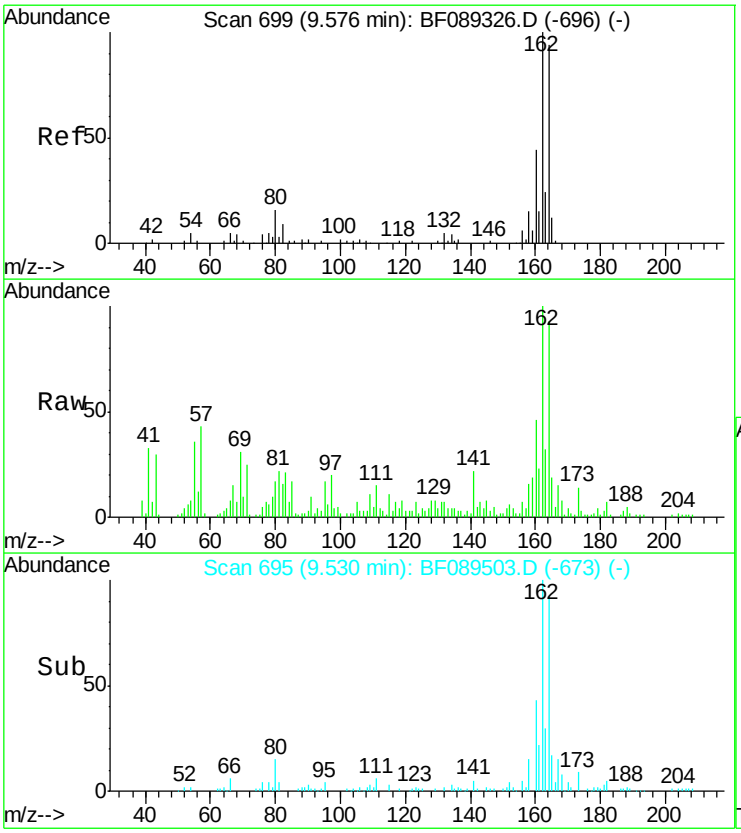
#37
2-Methylnaphthalene
Concen: 39.40 ng
RT: 8.50 min Scan# 605
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 136423

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.9	106.3
115	35.1	27.6	41.4

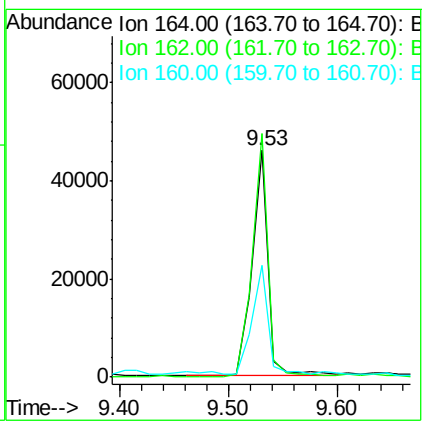


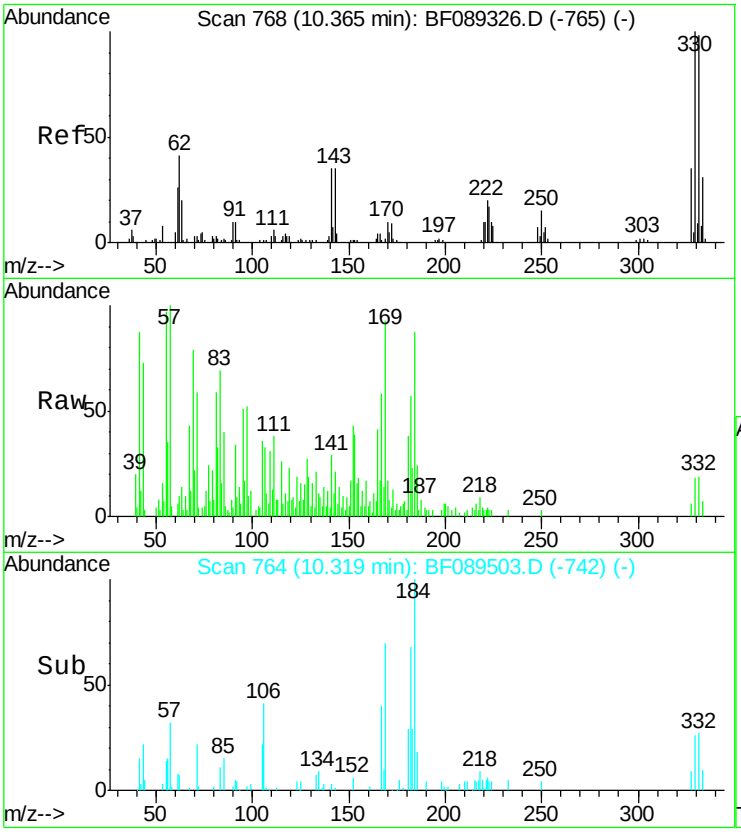


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:164 Resp: 46382

Ion	Ratio	Lower	Upper
164	100		
162	107.4	83.7	125.5
160	49.0	37.8	56.6



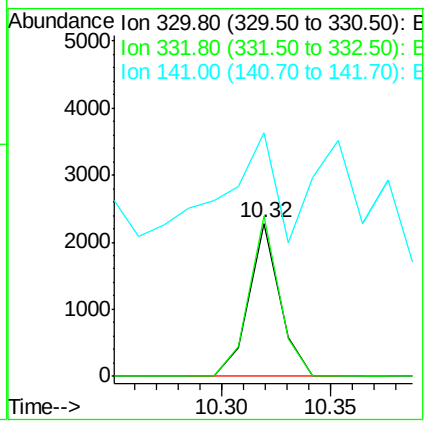


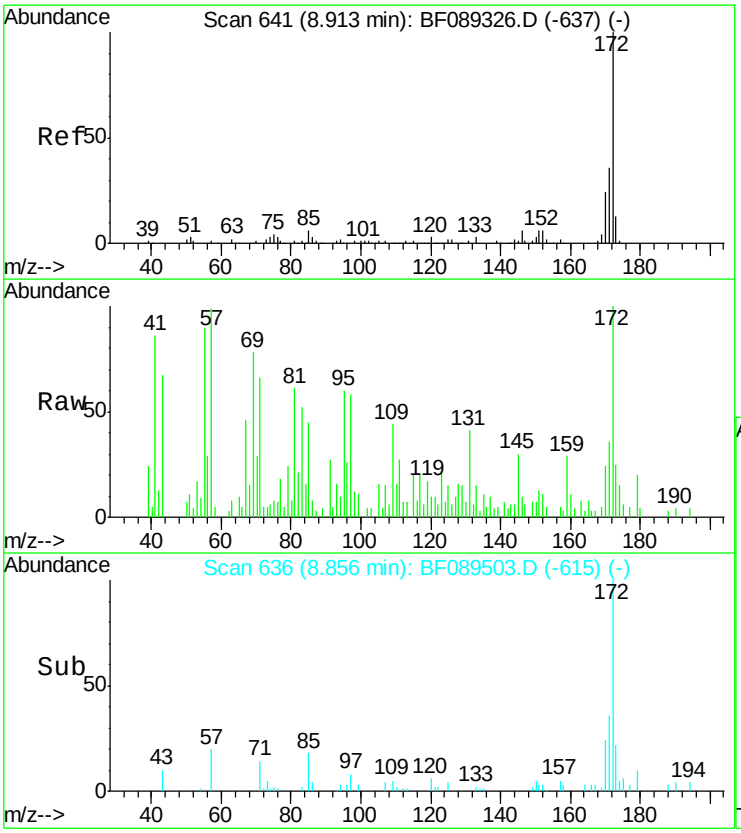
#41
2,4,6-Tribromophenol
Concen: 5.86 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 2250

Ion	Ratio	Lower	Upper
330	100		
332	104.1	76.8	115.2
141	119.2	37.3	55.9#

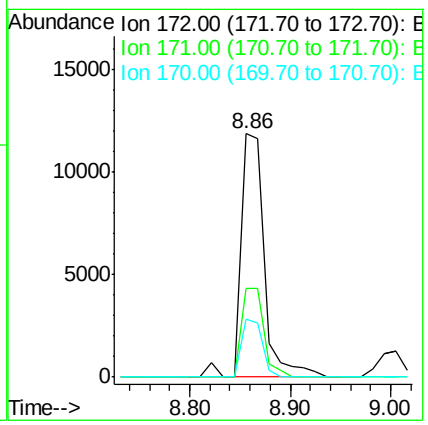


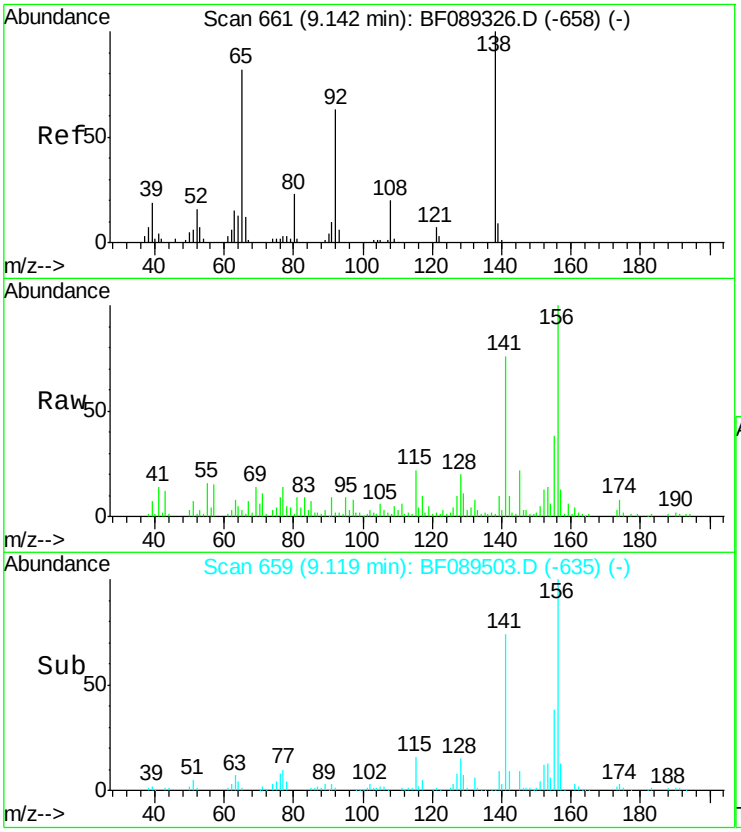


#44
2-Fluorobiphenyl
Concen: 6.05 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.06 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:172 Resp: 19134

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	23.6	19.2	28.8



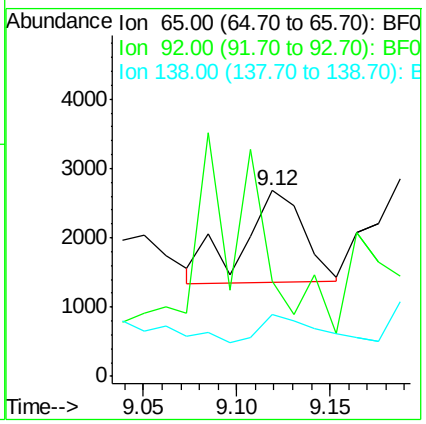


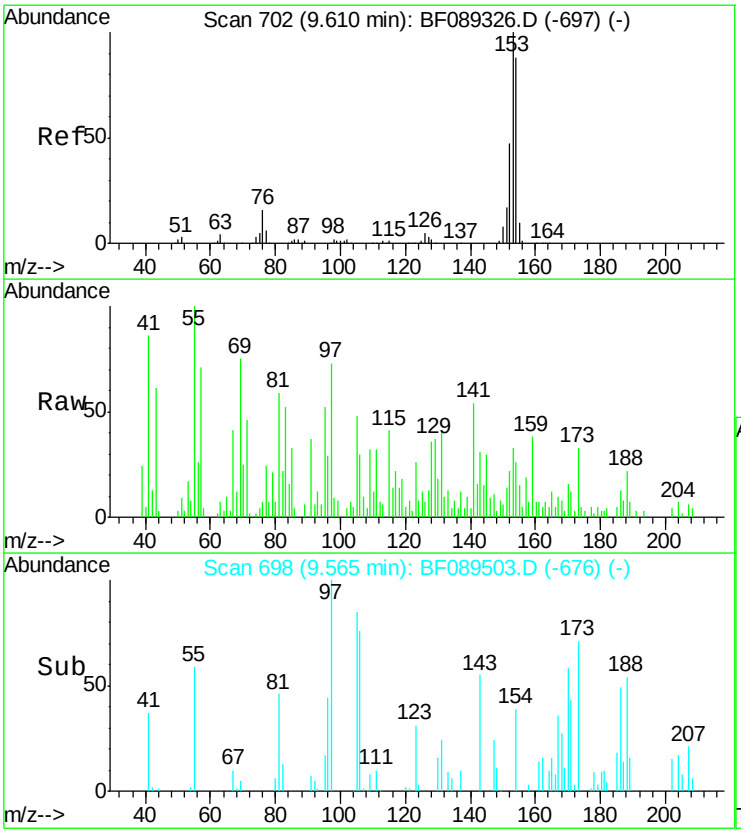
#47
2-Nitroaniline
Concen: 3.41 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 65 Resp: 2991

Ion	Ratio	Lower	Upper
65	100		
92	51.5	61.0	91.4#
138	33.1	99.1	148.7#

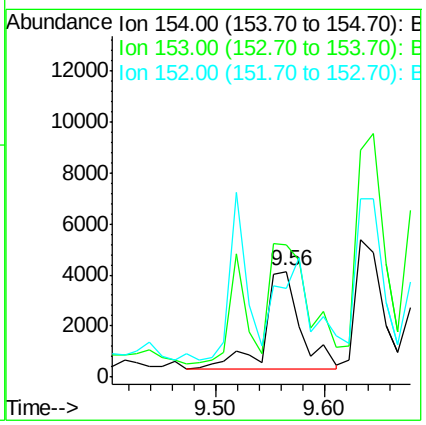


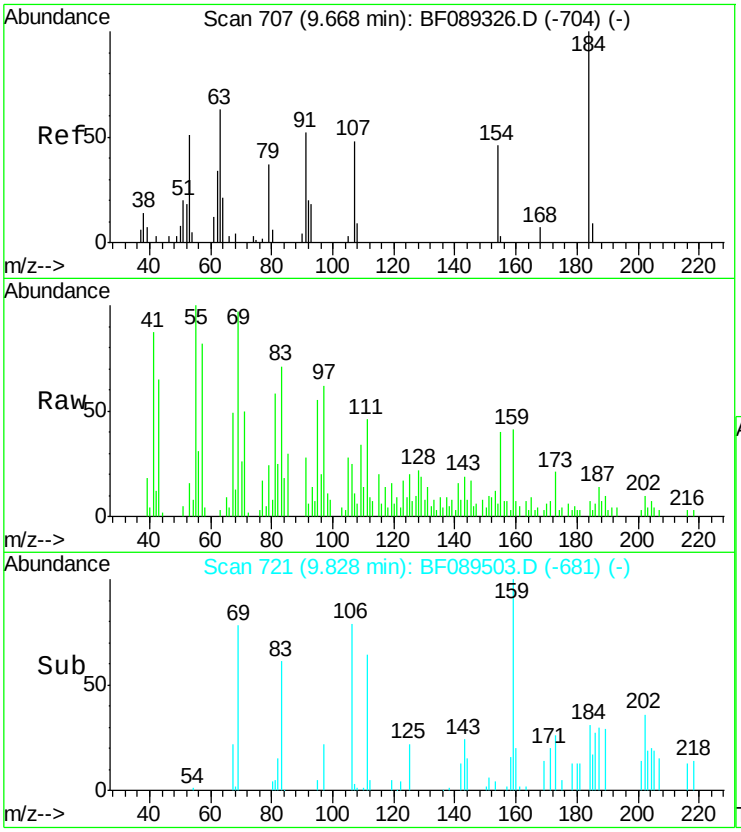


#51
Acenaphthene
Concen: 3.23 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:154 Resp: 8812

Ion	Ratio	Lower	Upper
154	100		
153	125.3	91.4	137.2
152	84.2	43.8	65.6#



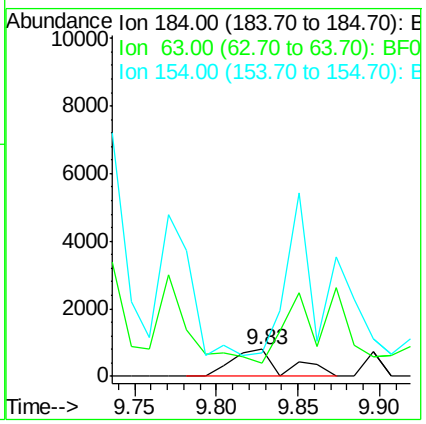


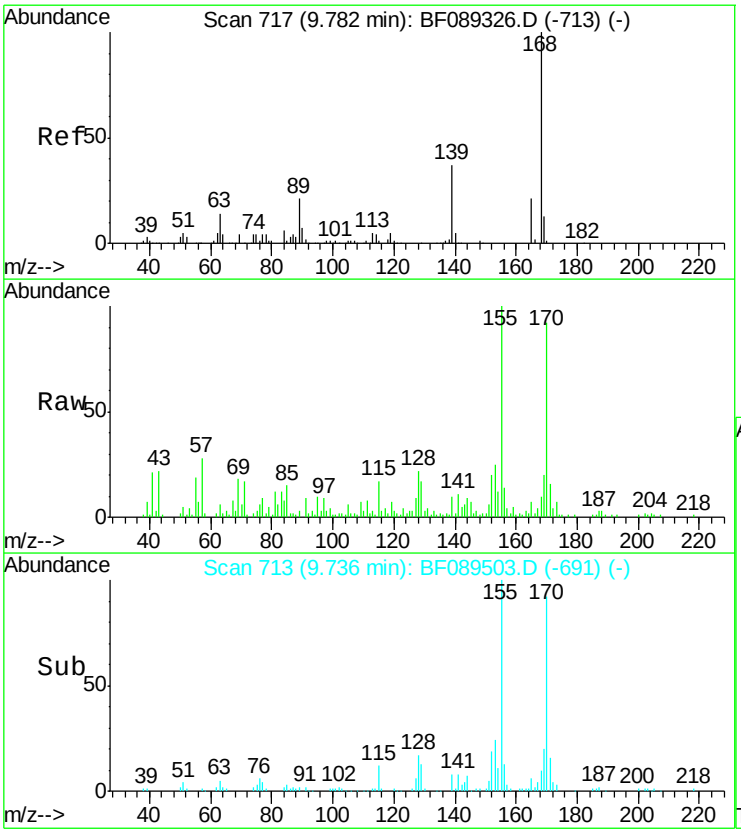
#53
2,4-Dinitrophenol
Concen: 13.21 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.16 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 1767

Ion	Ratio	Lower	Upper
184	100		
63	48.8	60.6	90.8#
154	89.0	69.8	104.8

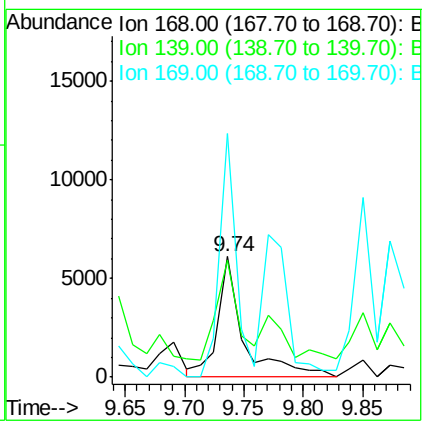


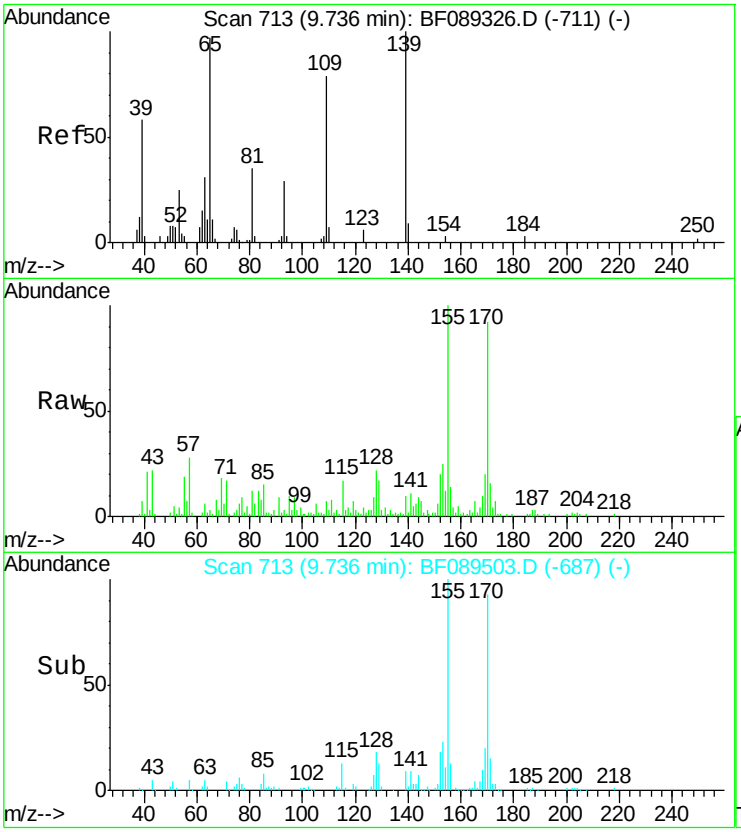


#54
Dibenzofuran
Concen: 2.49 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:168 Resp: 9241

Ion	Ratio	Lower	Upper
168	100		
139	97.6	33.7	50.5#
169	202.1	10.7	16.1#



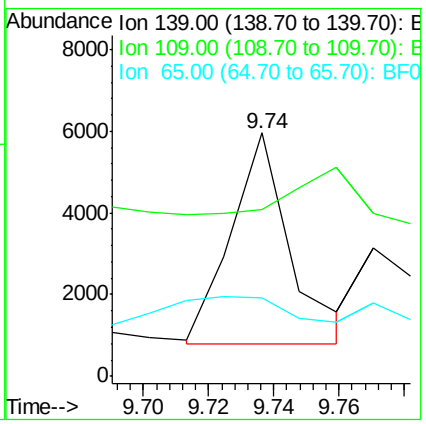


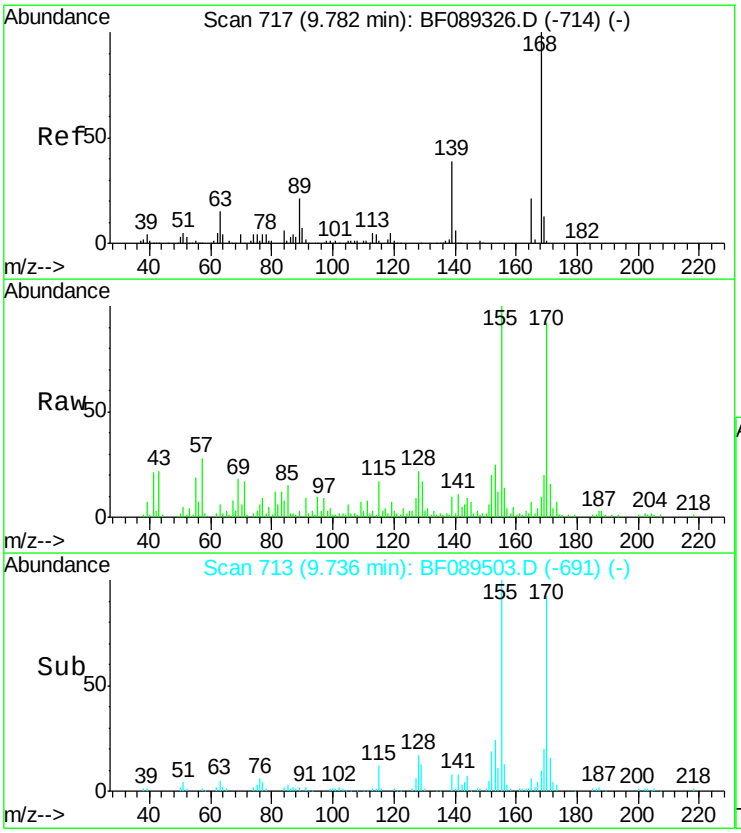
#55
4-Nitrophenol
Concen: 22.01 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 6393

Ion	Ratio	Lower	Upper
139	100		
109	68.7	57.8	97.8
65	32.5	81.7	121.7#

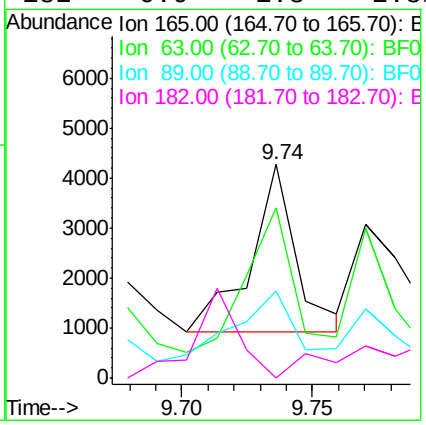


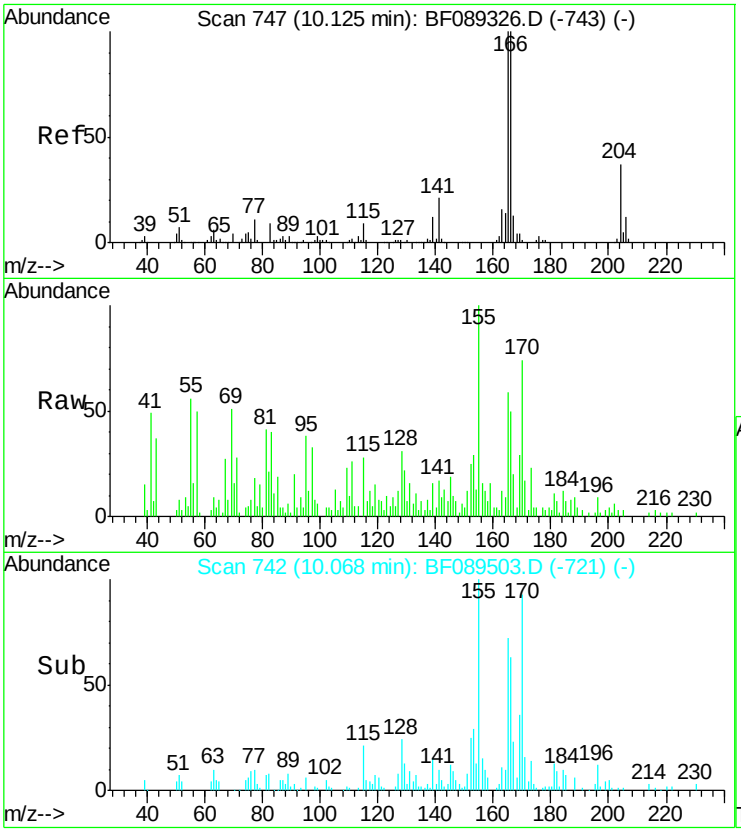


#56
2,4-Dinitrotoluene
Concen: 4.28 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:165 Resp: 4089

Ion	Ratio	Lower	Upper
165	100		
63	79.6	58.2	87.2
89	40.7	79.1	118.7#
182	0.0	1.8	2.8#



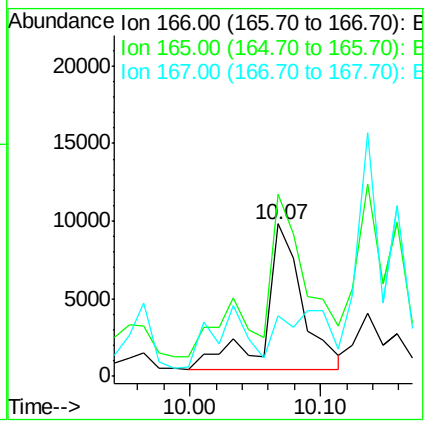


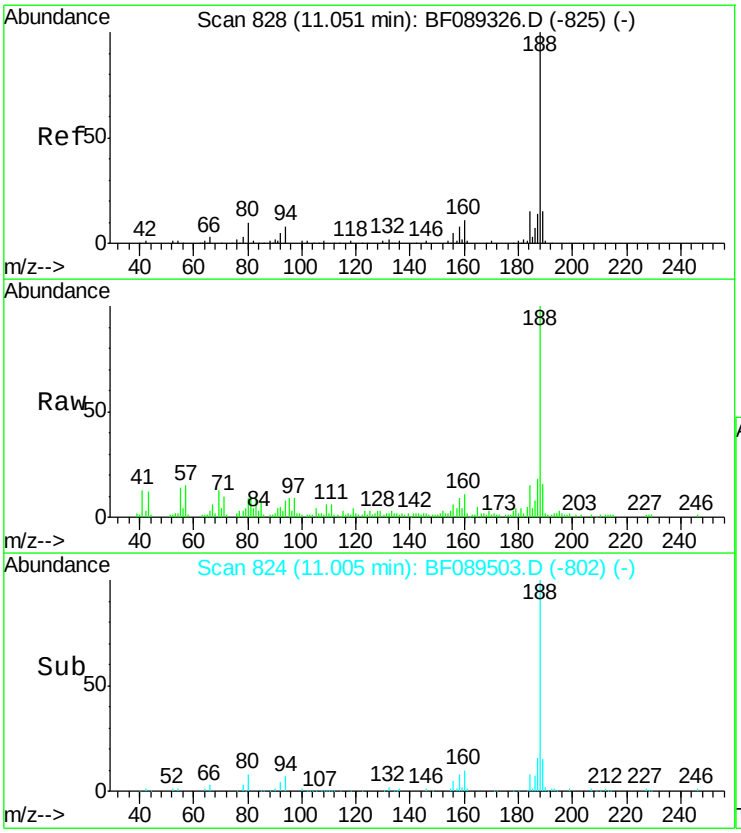
#57
Fluorene
Concen: 5.82 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.06 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 18897

Ion	Ratio	Lower	Upper
166	100		
165	119.1	79.0	118.4#
167	39.4	10.2	15.2#

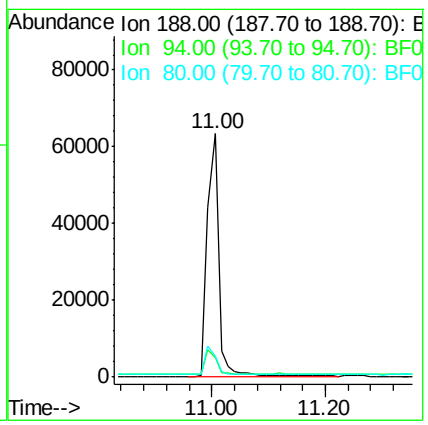


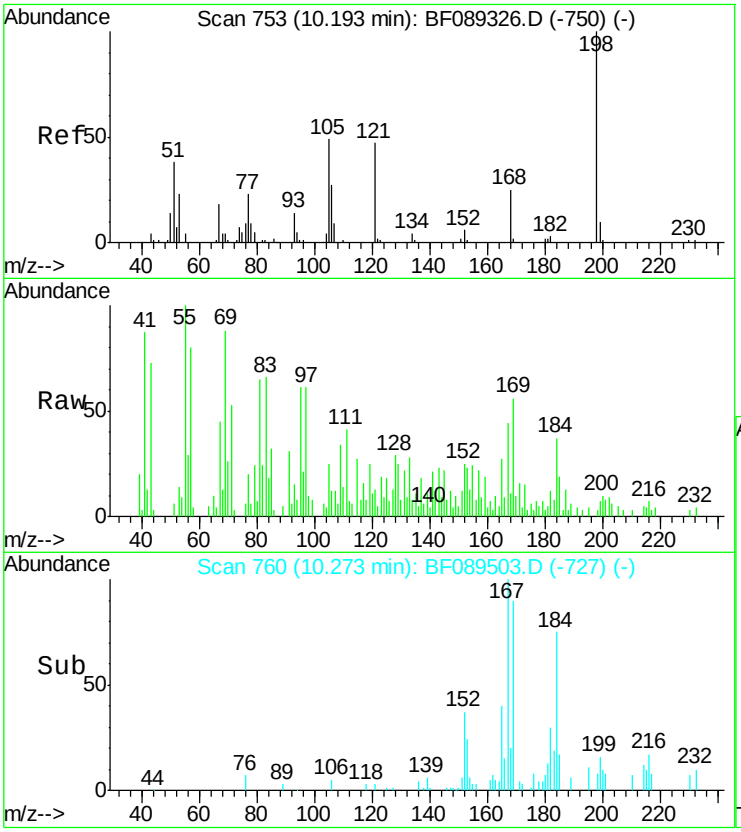


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:188 Resp: 87528

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.5	9.7
80	8.8	7.2	10.8



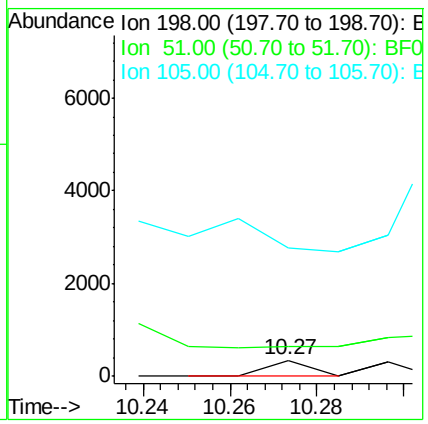


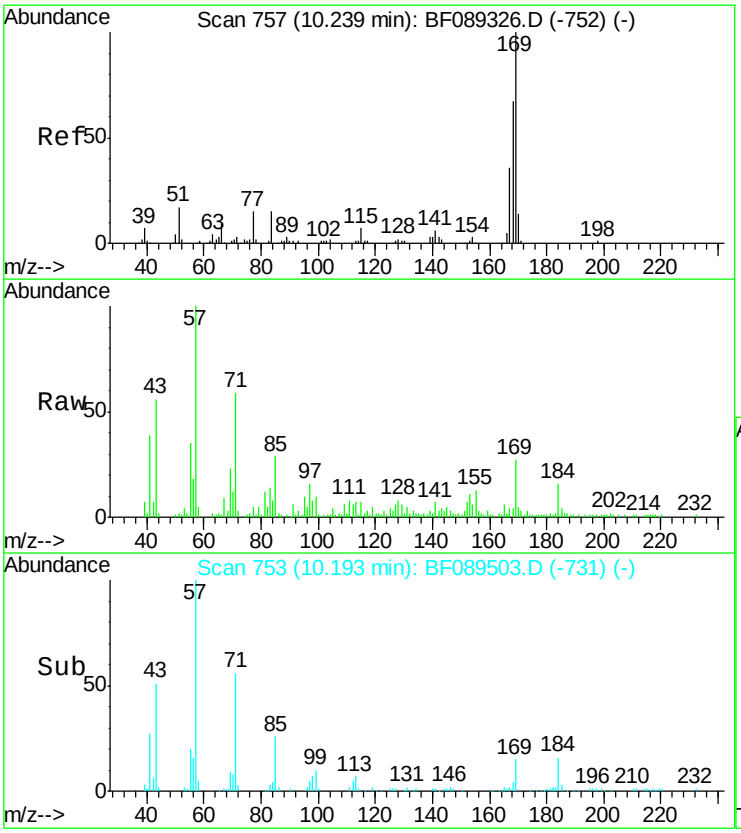
#64
4,6-Dinitro-2-methylphenol
Concen: 4.75 ng
RT: 10.27 min Scan# 760
Delta R.T. 0.08 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 239

Ion	Ratio	Lower	Upper
198	100		
51	188.8	23.0	63.0#
105	796.3	28.3	68.3#

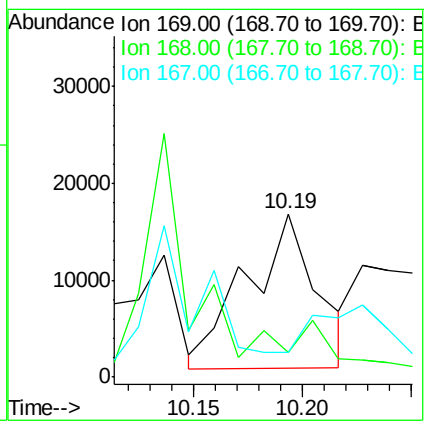


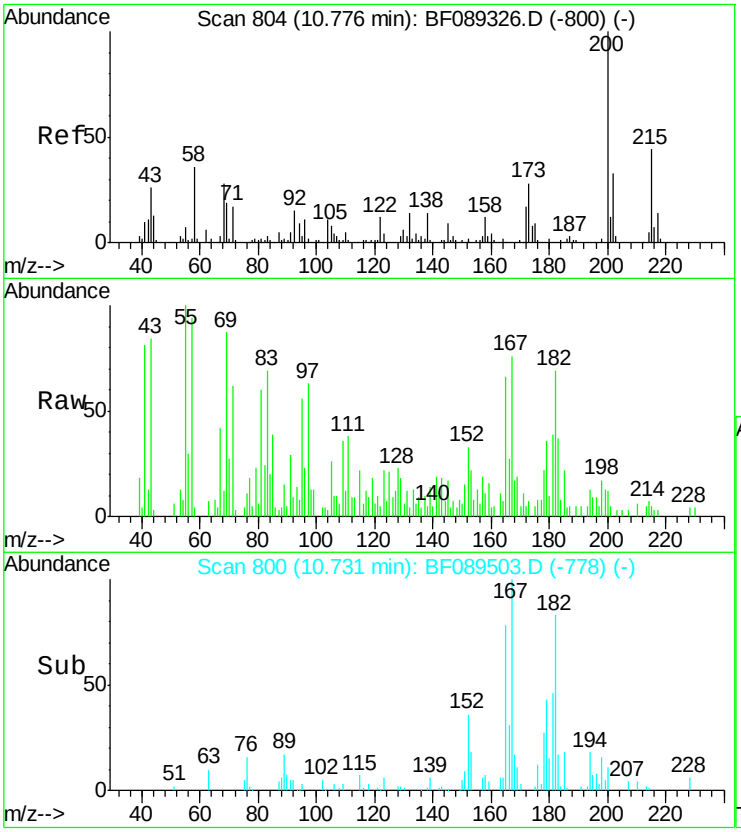


#65
n-Nitrosodiphenylamine
Concen: 13.11 ng
RT: 10.19 min Scan# 753
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:169 Resp: 35794

Ion	Ratio	Lower	Upper
169	100		
168	15.4	55.4	83.0#
167	14.8	29.7	44.5#



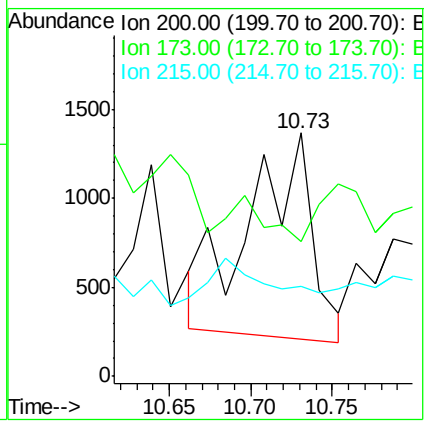


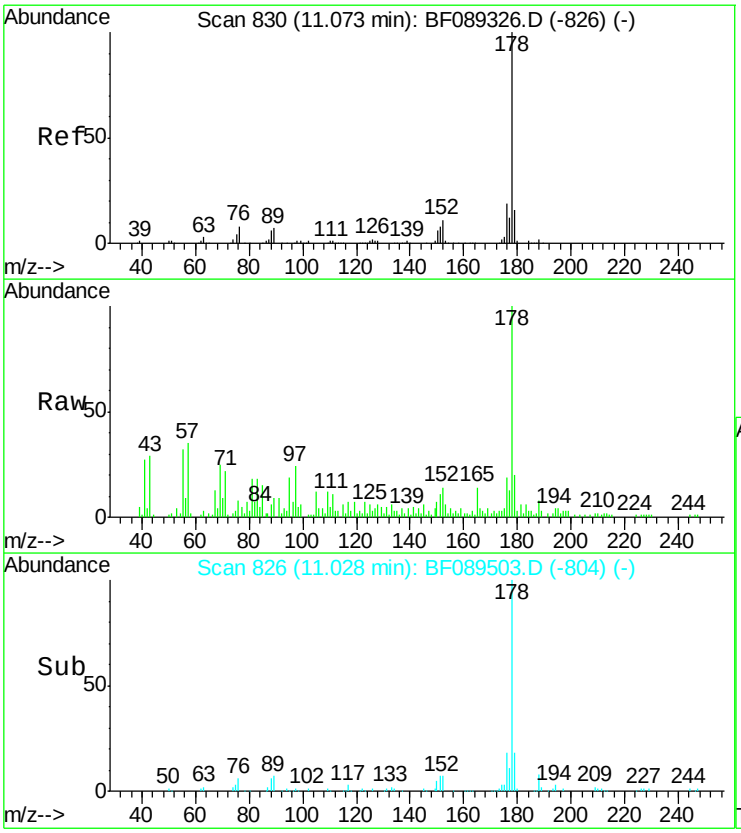
#68
Atrazine
Concen: 3.67 ng
RT: 10.73 min Scan# 800
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:200 Resp: 3078

Ion	Ratio	Lower	Upper
200	100		
173	55.5	6.0	46.0#
215	37.0	24.3	64.3

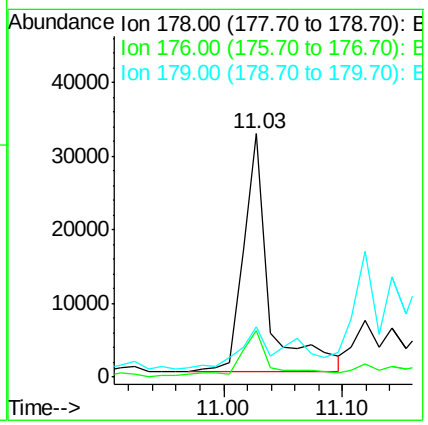


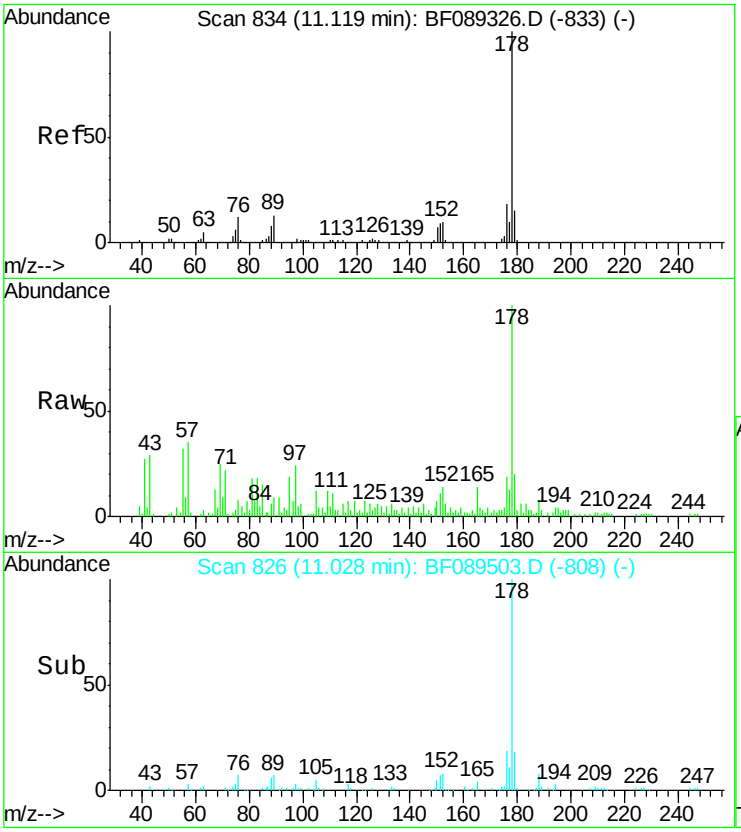


#70
Phenanthrene
Concen: 10.89 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:178 Resp: 49178

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	20.5	12.3	18.5#



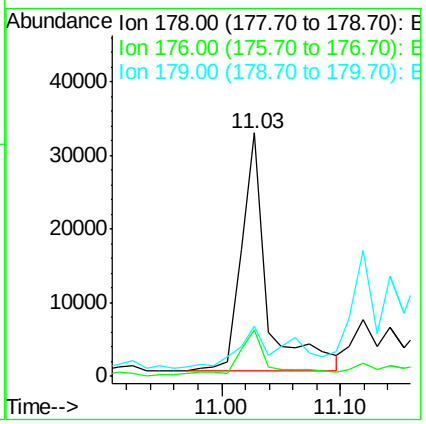


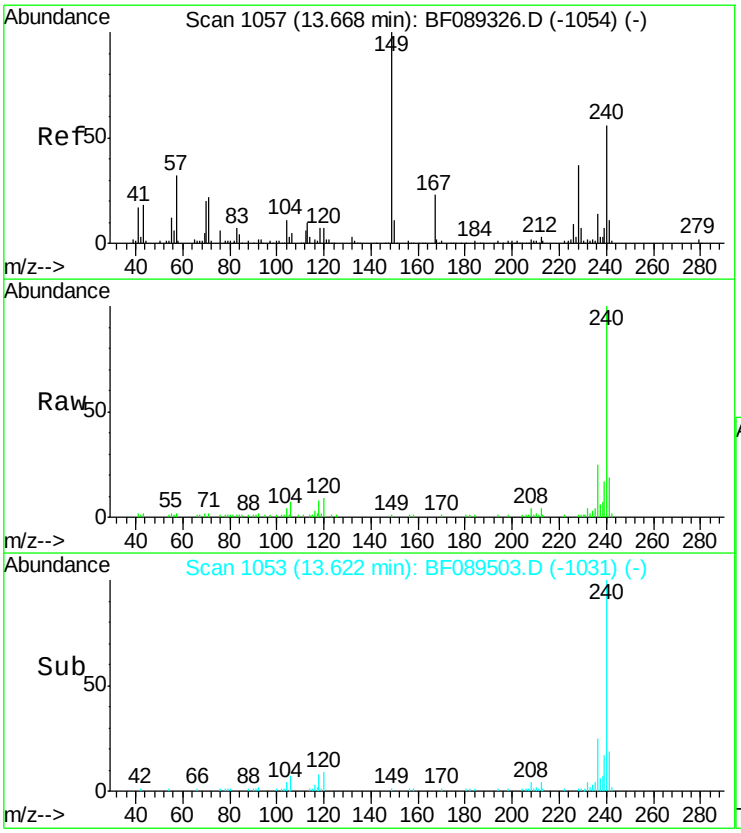
#71
Anthracene
Concen: 9.80 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.09 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 49178

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	20.5	12.6	18.8#

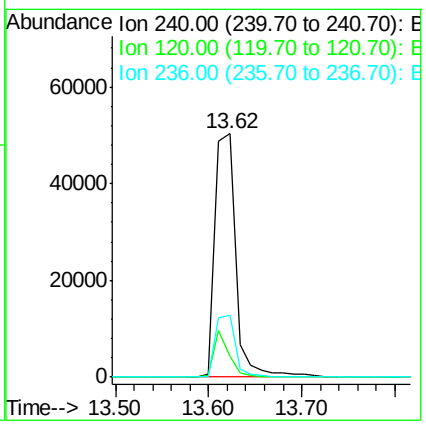


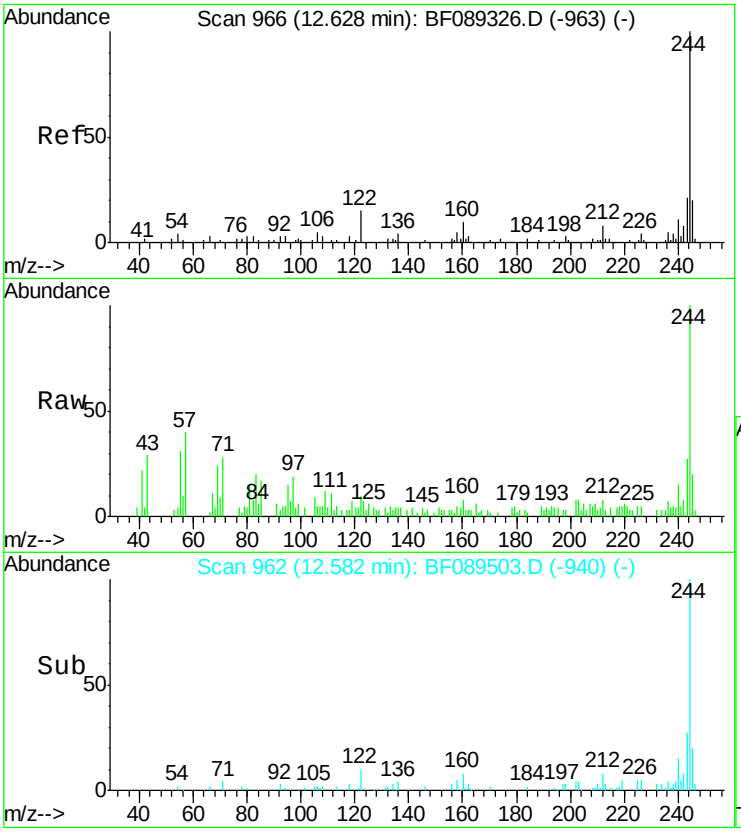


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:240 Resp: 77704

Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.1	13.7#
236	25.3	20.6	30.8



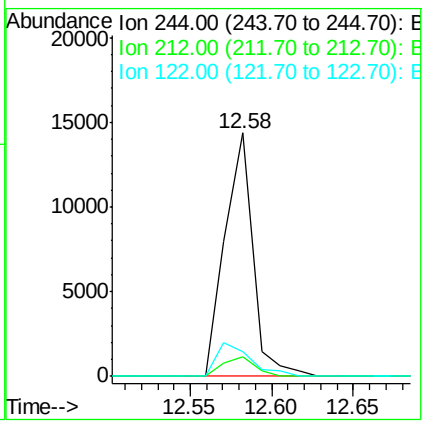


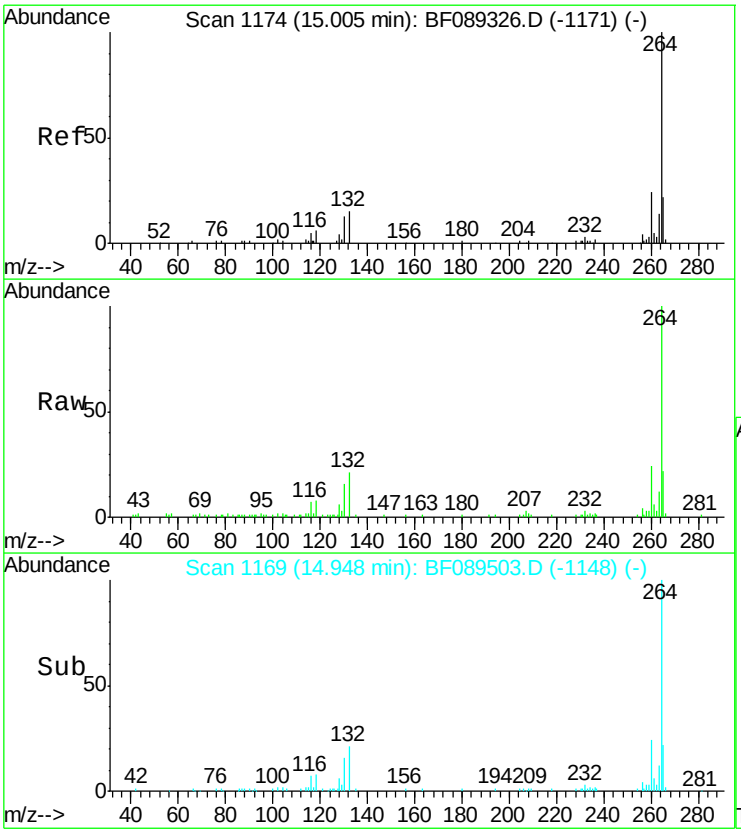
#78
Terphenyl-d14
Concen: 5.12 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 17014

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	10.3	11.4	17.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:264 Resp: 59181

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.6	17.5	26.3