Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091562.D
Acq On : 13 Dec 2016 19:02
Operator : UM/SJ
Sample : H5961-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW26S-GW

Quant Time: Dec 14 01:08:48 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	312610	20.00	ng		0.00
21) Naphthalene-d8	8.11	136	957768	20.00	ng		0.01
38) Acenaphthene-d10	9.86	164	554088	20.00	ng		0.00
63) Phenanthrene-d10	11.33	188	571914	20.00	ng		0.00
75) Chrysene-d12	13.96	240	624292	20.00	ng		0.00
86) Perylene-d12	15.38	264	669195	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	892742	48.11	ng		0.01
7) Phenol-d6	6.46	99	739787	31.98	ng		0.01
23) Nitrobenzene-d5	7.38	82	1288393	75.08	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	426971	92.78	ng		0.01
44) 2-Fluorobiphenyl	9.18	172	2242611	69.93	ng		0.00
78) Terphenyl-d14	12.92	244	1239532	45.05	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.40	88	108740	11.10	ng	#	85
3) Pyridine	3.12	79	183631	7.04	ng		89
6) Aniline	6.48	93	295482	9.74	ng		95
10) Phenol	6.48	94	424670	15.70	ng		87
17) 2-Methylphenol	7.08	107	254216	14.67	ng	#	77
20) 3+4-Methylphenols	7.24	107	1088696	59.16	ng		89
27) 2,4-Dimethylphenol	7.78	122	1091957	77.69	ng		94
31) Naphthalene	8.16	128	17018843	381.91	ng	#	89
37) 2-Methylnaphthalene	8.82	142	1343584	46.58	ng		97
45) 1,1'-Biphenyl	9.28	154	1634597	40.73	ng		98
48) Acenaphthylene	9.71	152	188663	3.98	ng	#	68
49) Dimethylphthalate	9.58	163	215426	6.14	ng		99
51) Acenaphthene	9.89	154	2988535	90.83	ng		98
54) Dibenzofuran	10.06	168	3171073	77.89	ng		98
57) Fluorene	10.41	166	2286591	82.79	ng		99
70) Phenanthrene	11.37	178	3333020	117.68	ng		97
71) Anthracene	11.41	178	570430	18.67	ng		99
72) Carbazole	11.57	167	1627364	60.78	ng		99
74) Fluoranthene	12.57	202	381794	12.87	ng		99
77) Pyrene	12.77	202	265548	5.36	ng		98

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

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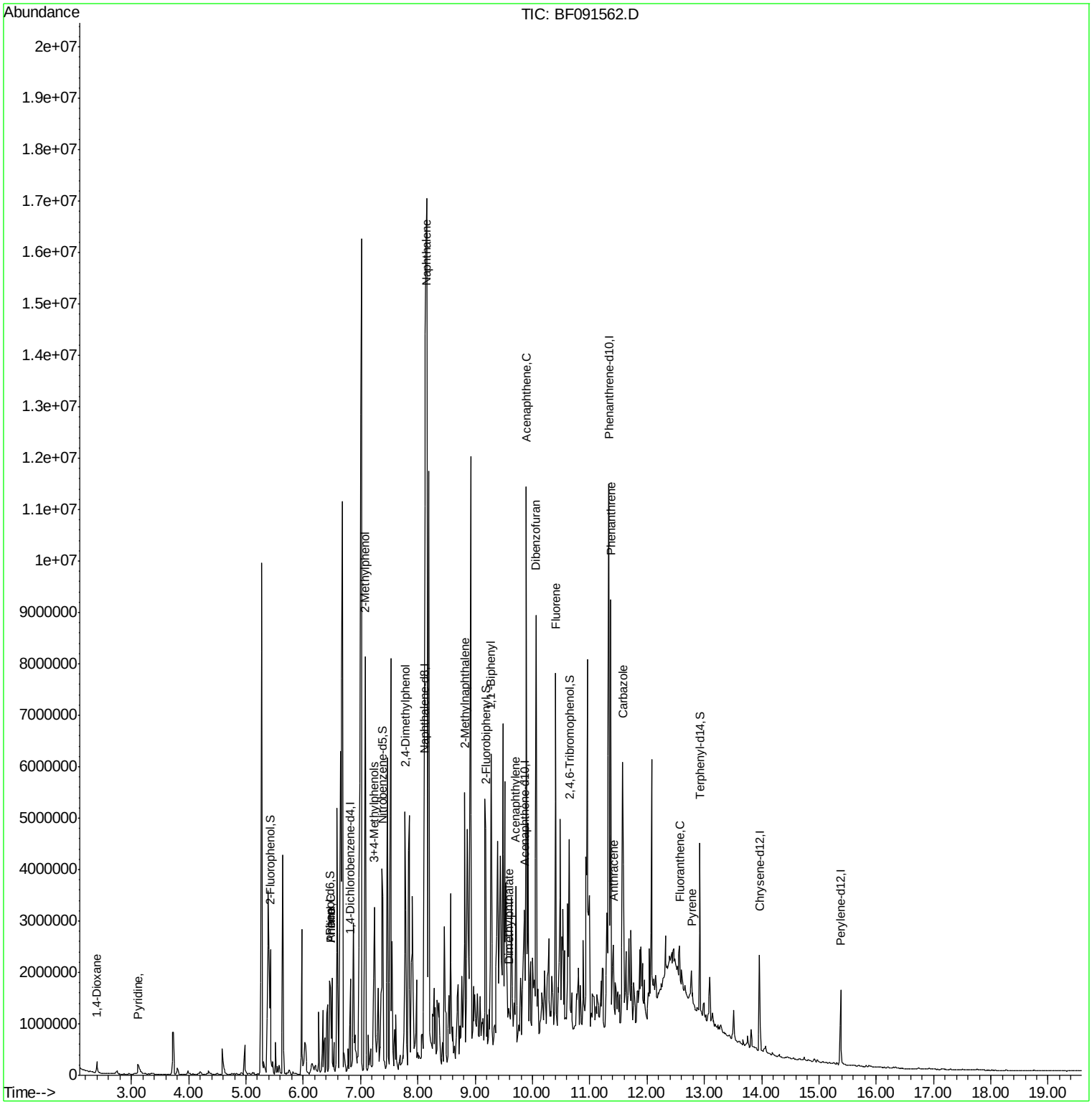
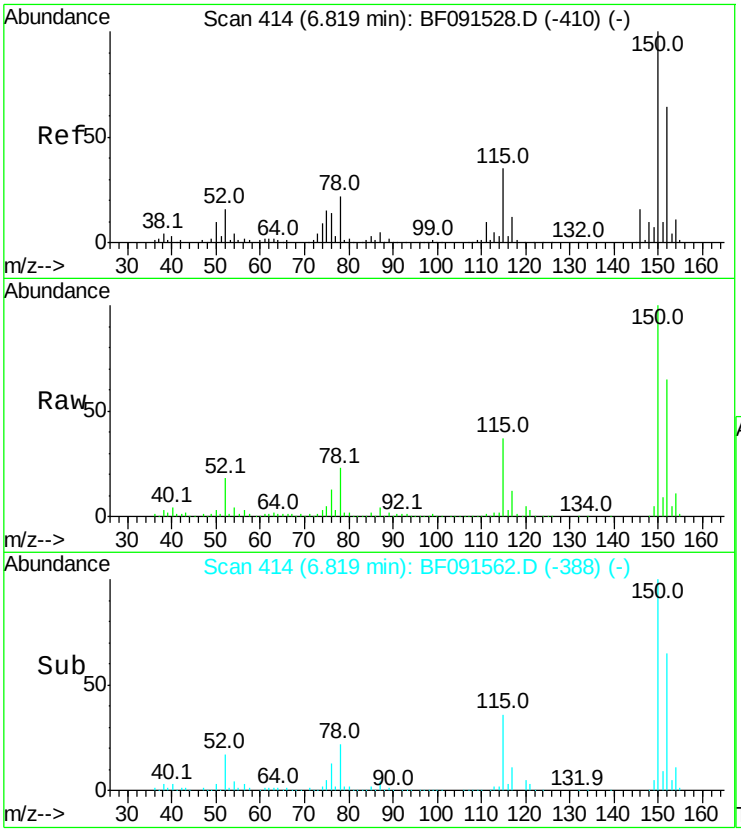


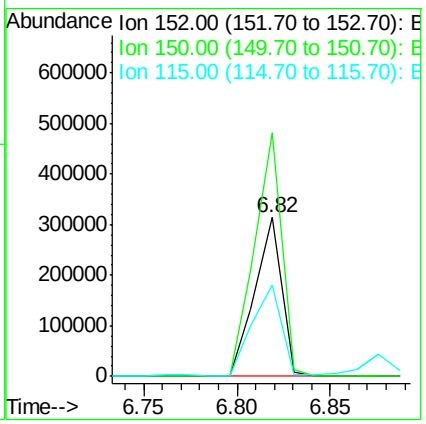


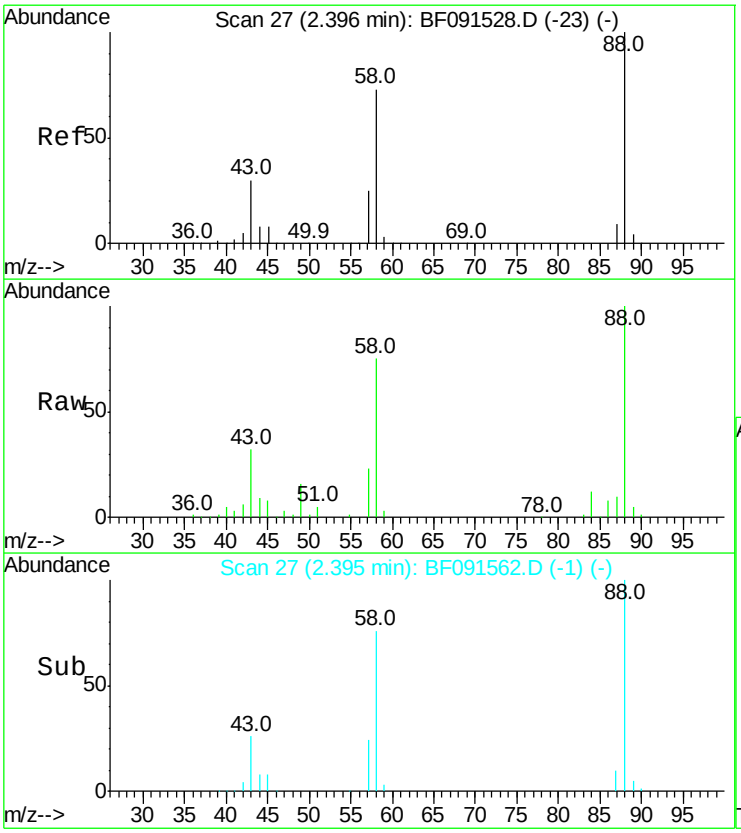
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:152 Resp: 312610

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.5	183.7
115	57.2	51.8	77.8

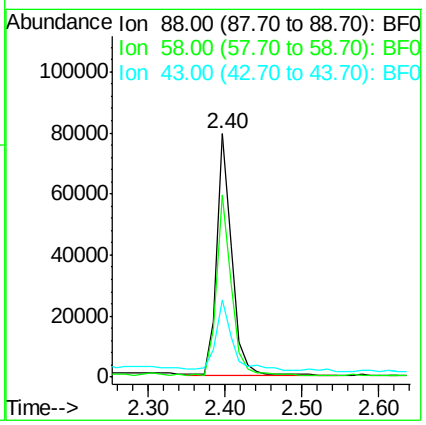


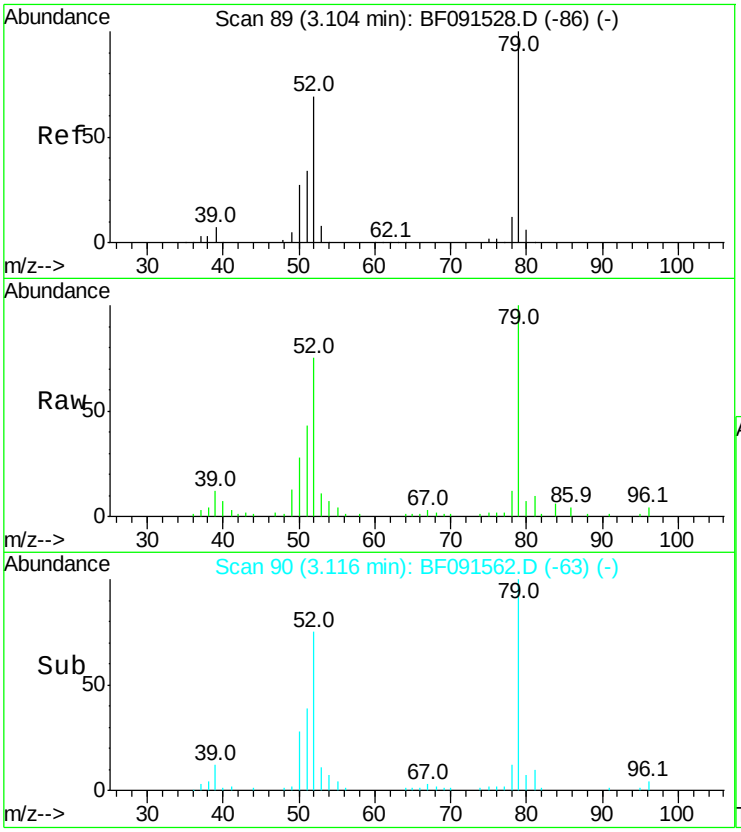


#2
1,4-Dioxane
Concen: 11.10 ng
RT: 2.40 min Scan# 27
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion: 88 Resp: 108740

Ion	Ratio	Lower	Upper
88	100		
58	73.1	70.3	105.5
43	30.4	31.3	46.9#



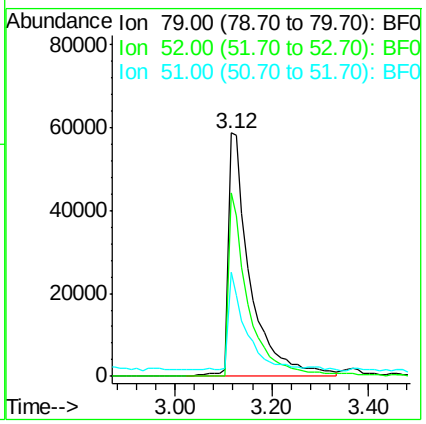


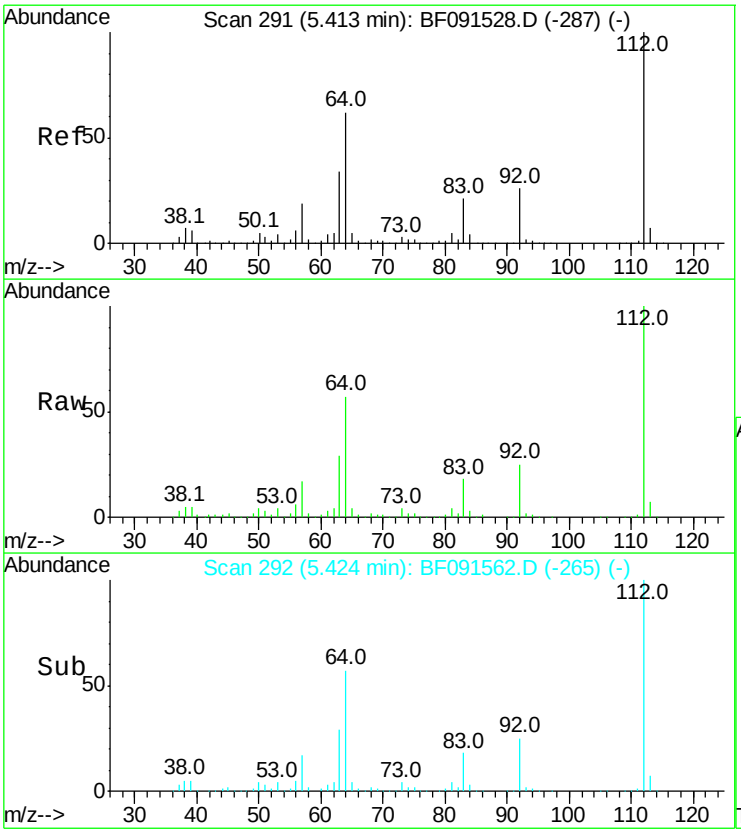
#3
Pyridine
Concen: 7.04 ng
RT: 3.12 min Scan# 90
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion: 79 Resp: 183631

Ion	Ratio	Lower	Upper
79	100		
52	75.2	71.0	106.4
51	42.6	37.0	55.4

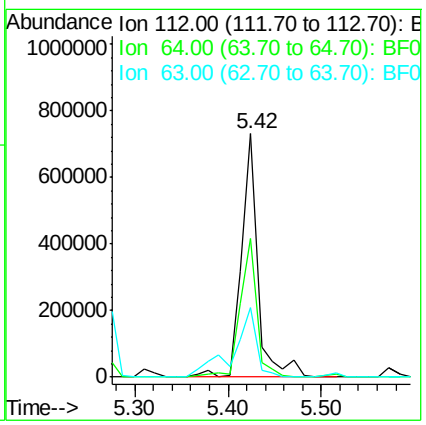


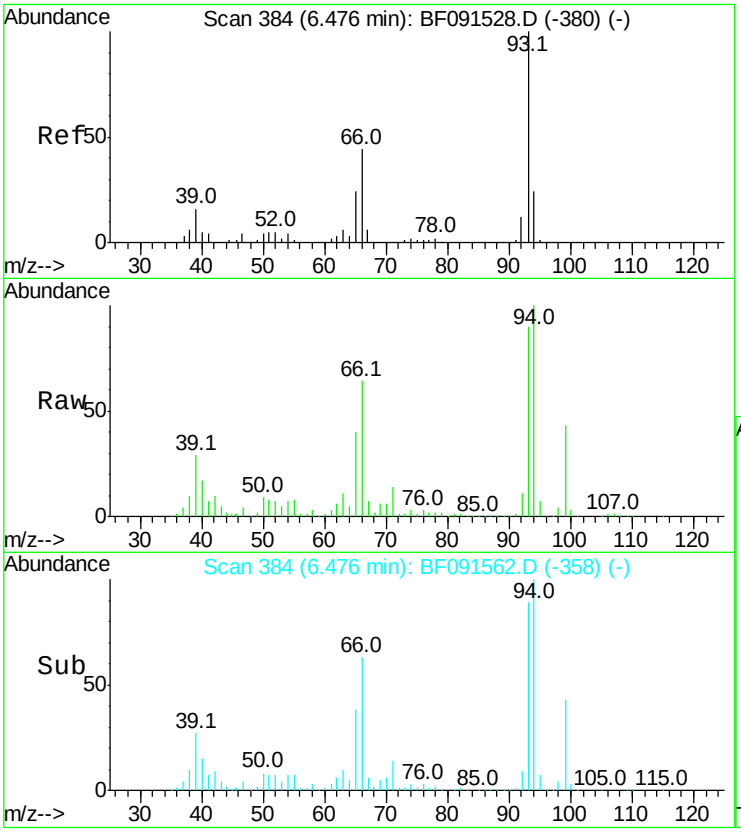


#5
2-Fluorophenol
Concen: 48.11 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:112 Resp: 892742

Ion	Ratio	Lower	Upper
112	100		
64	56.7	61.5	92.3#
63	28.7	33.3	49.9#



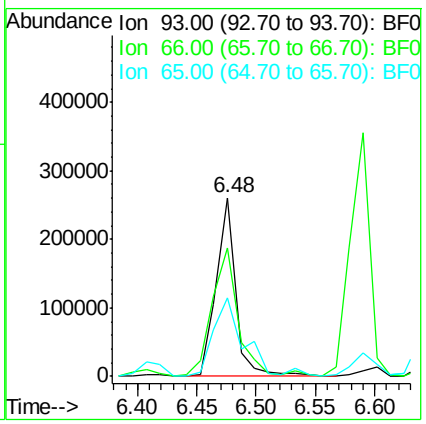


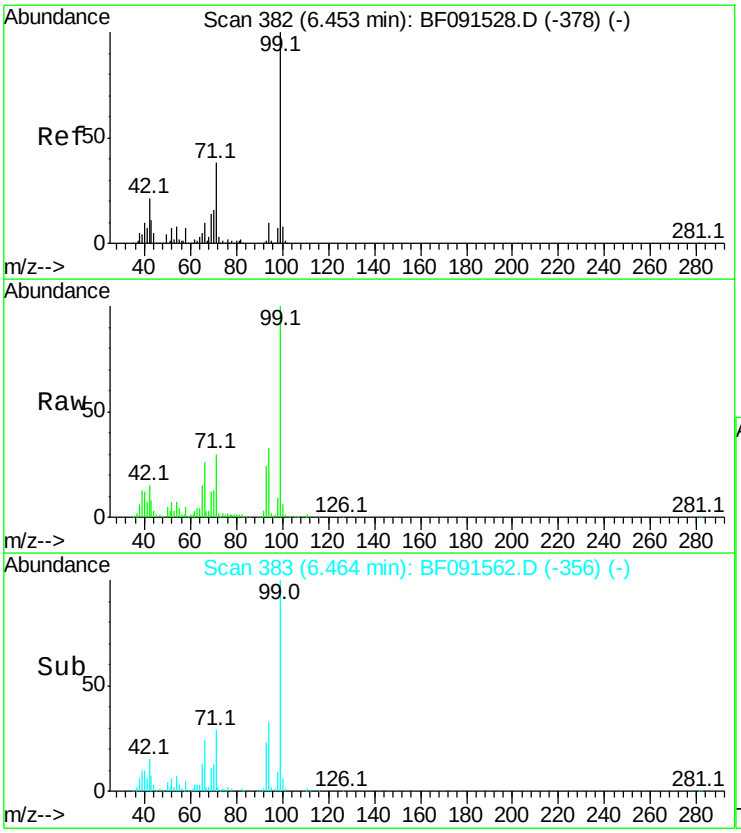
#6
Aniline
Concen: 9.74 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion: 93 Resp: 295482

Ion	Ratio	Lower	Upper
93	100		
66	71.5	55.8	83.6
65	44.1	29.9	44.9

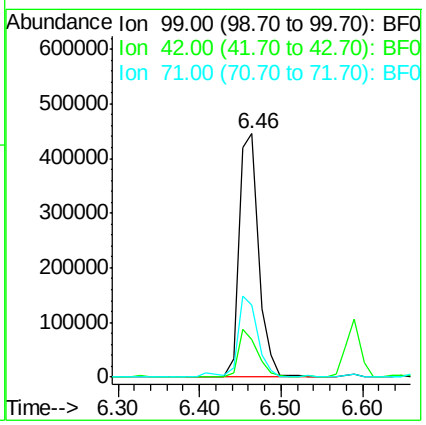


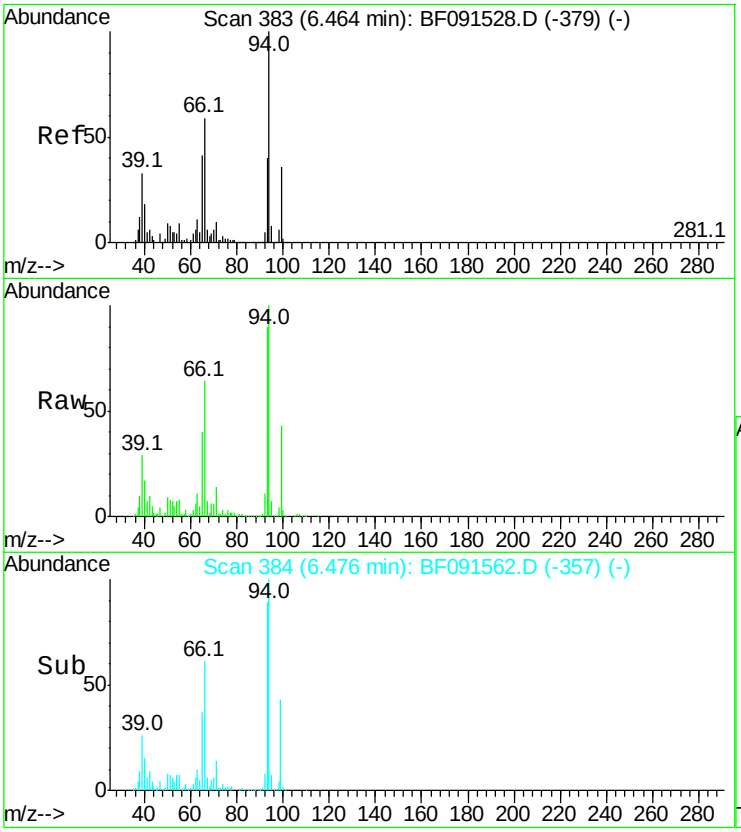


#7
Phenol-d6
Concen: 31.98 ng
RT: 6.46 min Scan# 383
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion: 99 Resp: 739787

Ion	Ratio	Lower	Upper
99	100		
42	15.3	20.6	31.0#
71	29.5	29.9	44.9#



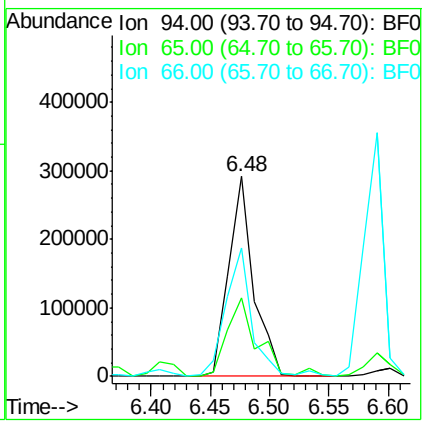


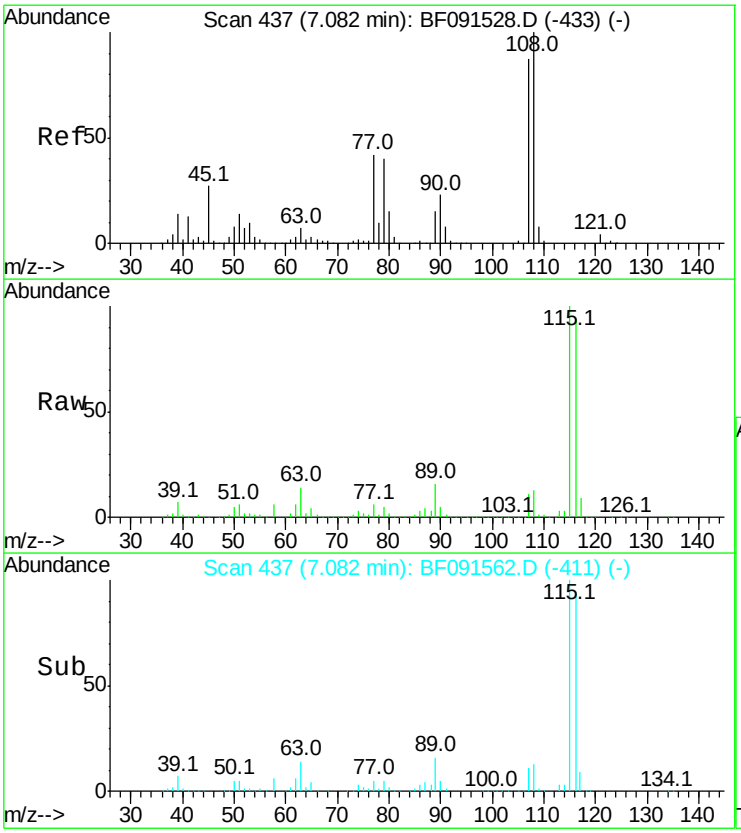
#10
Phenol
Concen: 15.70 ng
RT: 6.48 min Scan# 384
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion: 94 Resp: 424670

Ion	Ratio	Lower	Upper
94	100		
65	39.5	16.9	56.9
66	64.1	30.6	70.6

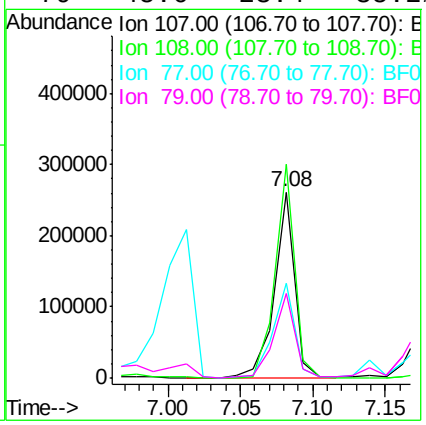


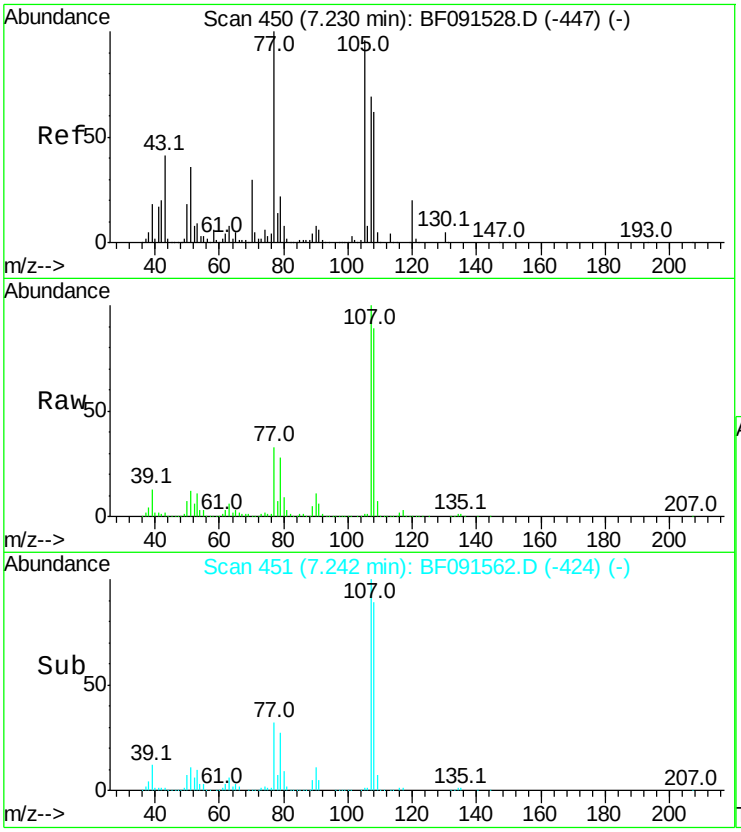


#17
2-Methylphenol
Concen: 14.67 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:107 Resp: 254216

Ion	Ratio	Lower	Upper
107	100		
108	114.8	67.7	101.5#
77	50.7	40.7	61.1
79	45.6	23.4	35.2#



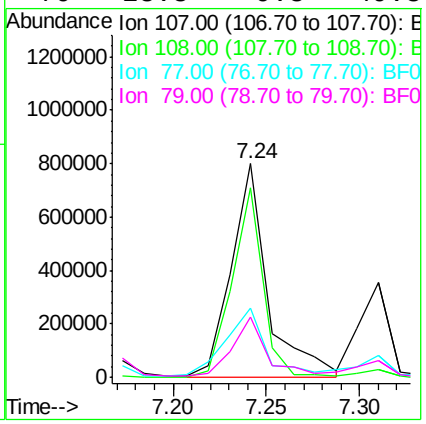


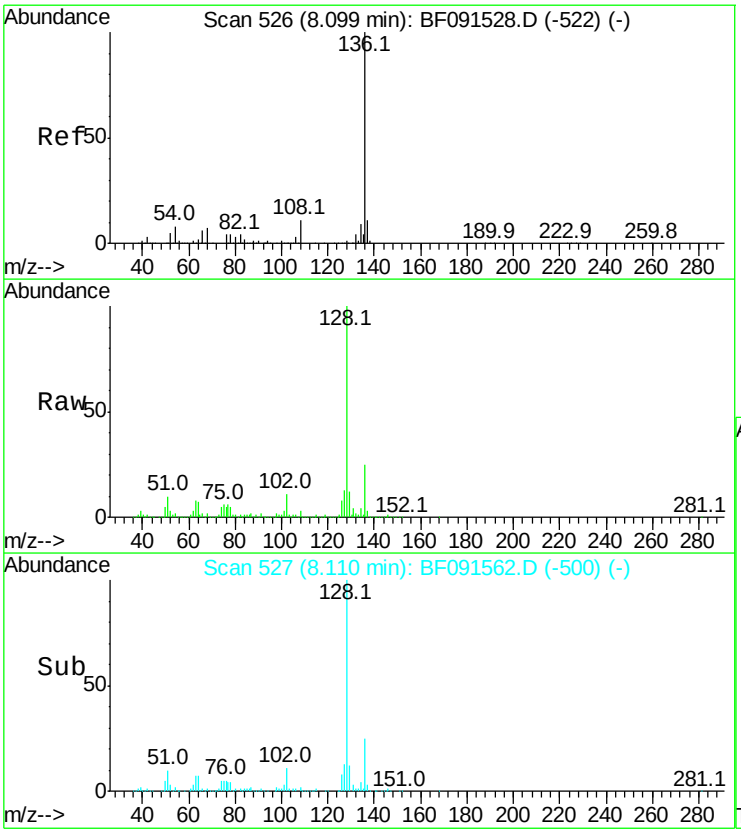
#20
3+4-Methylphenols
Concen: 59.16 ng
RT: 7.24 min Scan# 451
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:107 Resp: 1088696

Ion	Ratio	Lower	Upper
107	100		
108	88.8	64.6	104.6
77	32.6	30.9	70.9
79	28.3	9.3	49.3

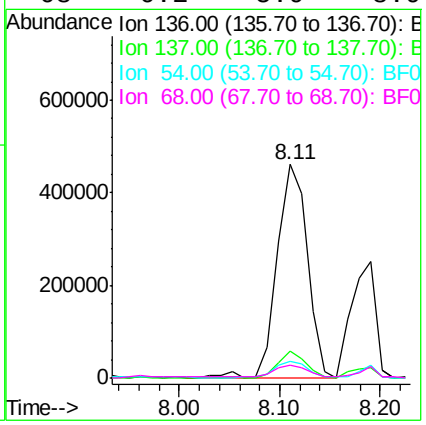


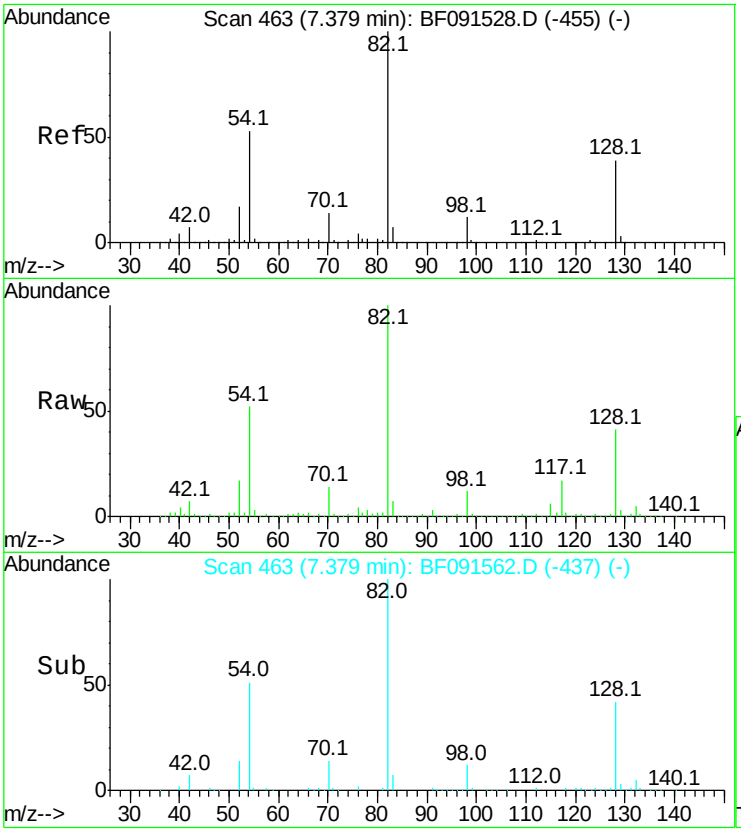


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:136 Resp: 957768

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.1	13.7
54	7.8	9.1	13.7#
68	6.2	5.9	8.9



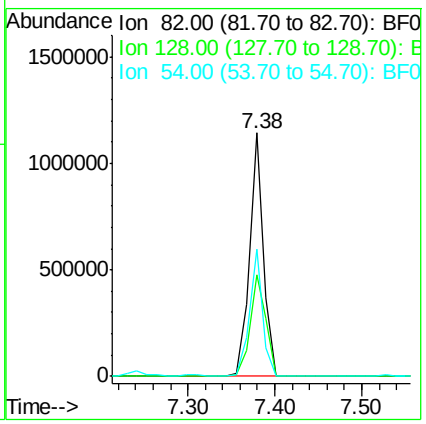


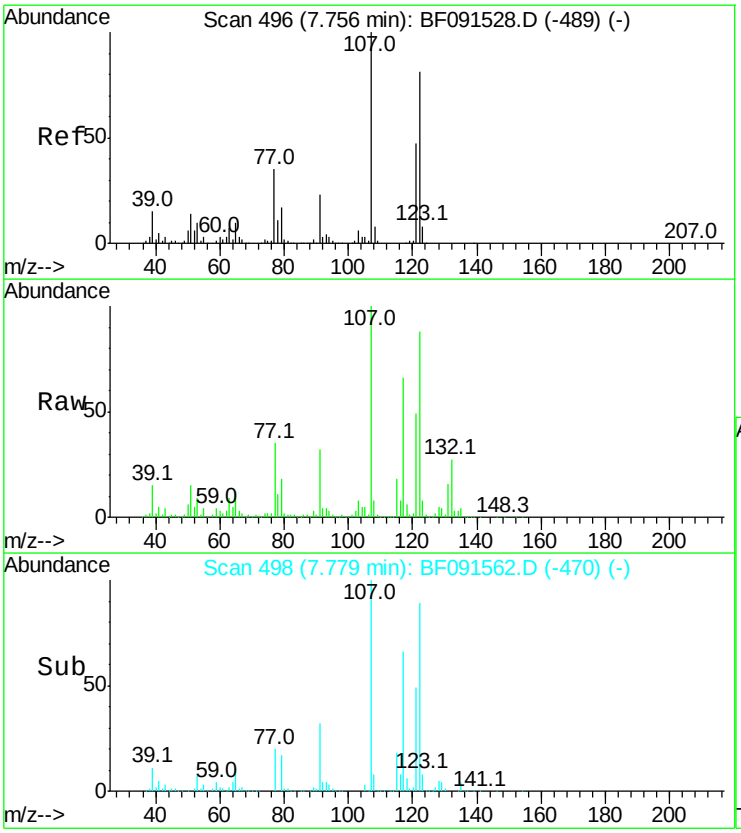
#23
Nitrobenzene-d5
Concen: 75.08 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion: 82 Resp: 1288393

Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.8	47.6
54	52.0	49.1	73.7

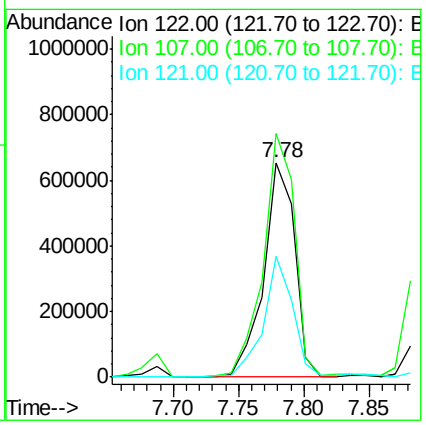


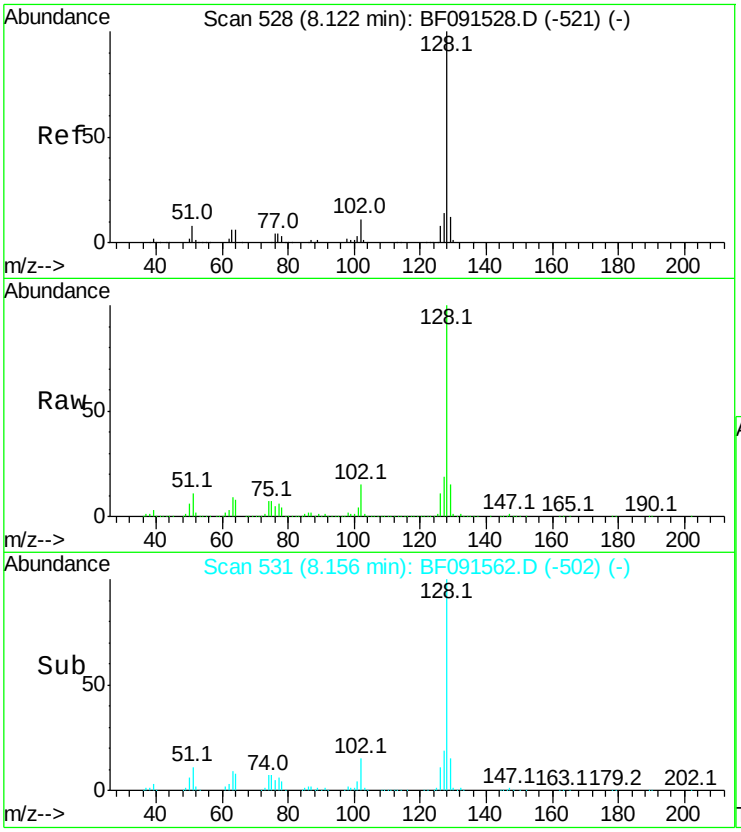


#27
2,4-Dimethylphenol
Concen: 77.69 ng
RT: 7.78 min Scan# 498
Delta R.T. 0.02 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:122 Resp: 1091957

Ion	Ratio	Lower	Upper
122	100		
107	113.4	96.8	145.2
121	56.1	47.7	71.5



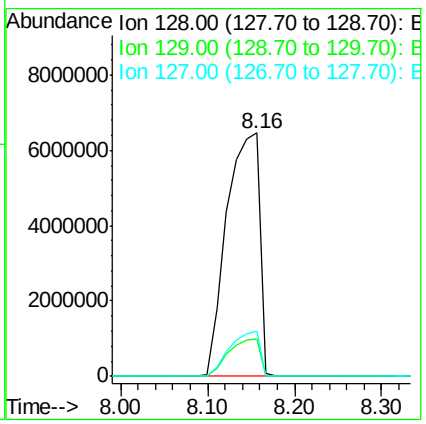


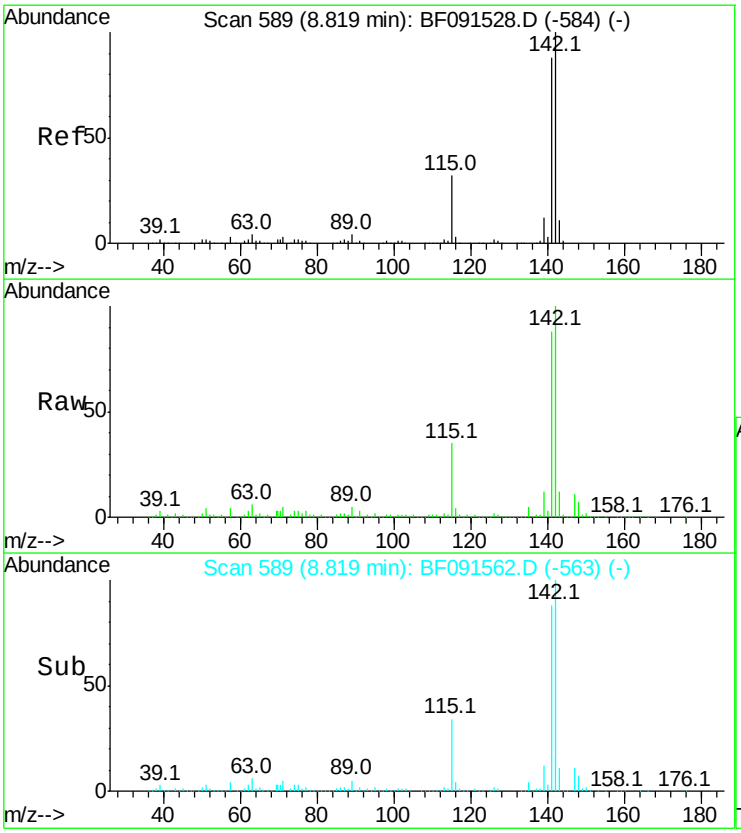
#31
Naphthalene
Concen: 381.91 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.03 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:128 Resp:17018843

Ion	Ratio	Lower	Upper
128	100		
129	15.4	9.1	13.7#
127	18.6	11.0	16.4#

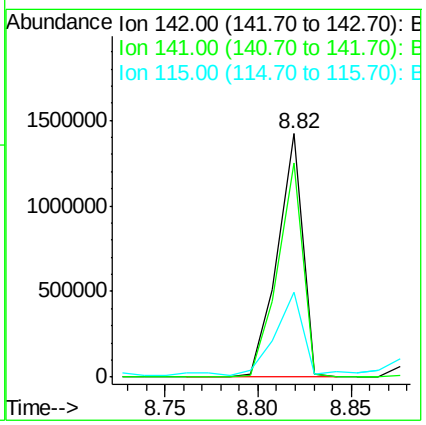


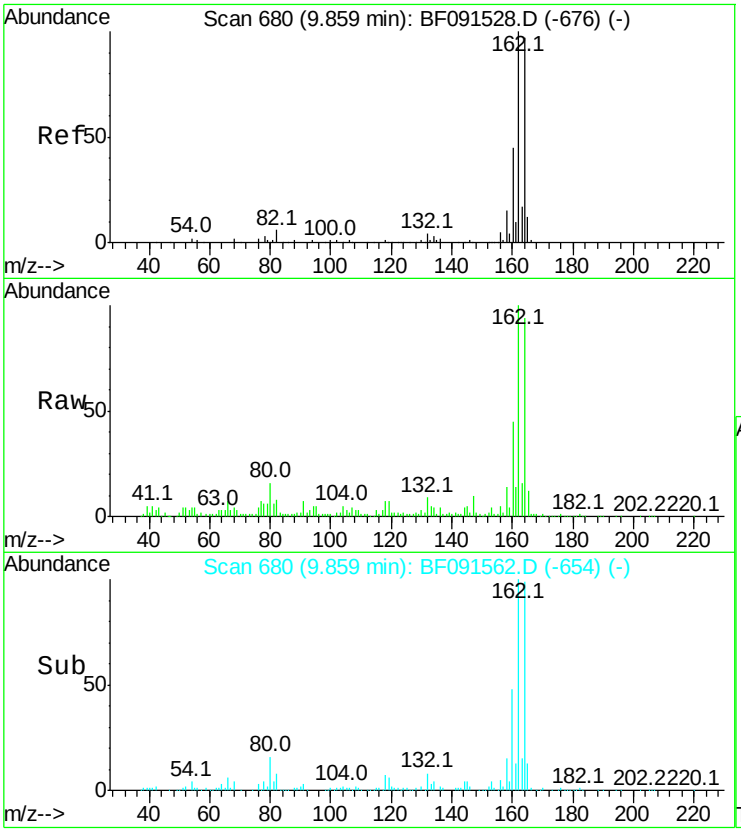


#37
2-Methylnaphthalene
Concen: 46.58 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:142 Resp: 1343584

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.7	107.5
115	34.7	25.0	37.6



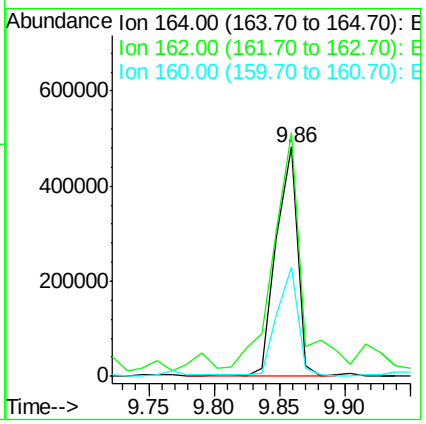


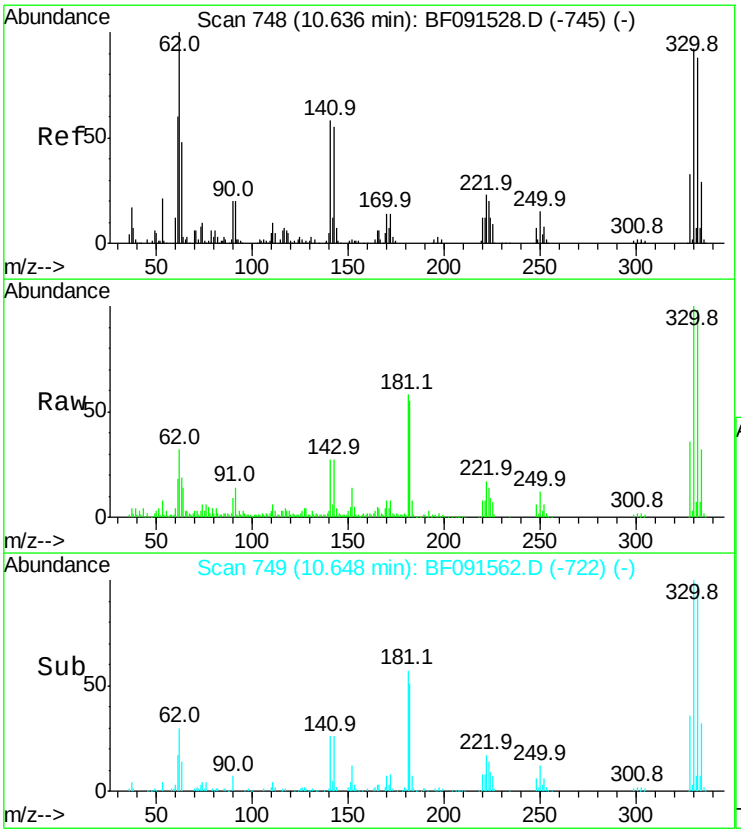
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:164 Resp: 554088

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.6	124.0
160	47.6	36.7	55.1

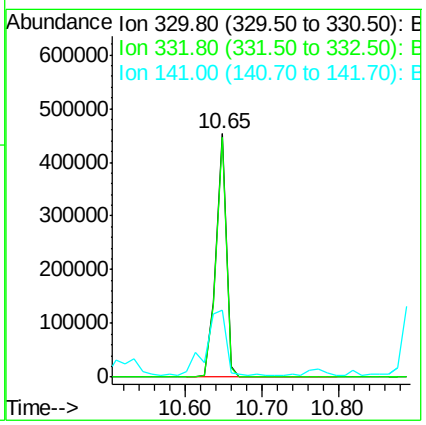


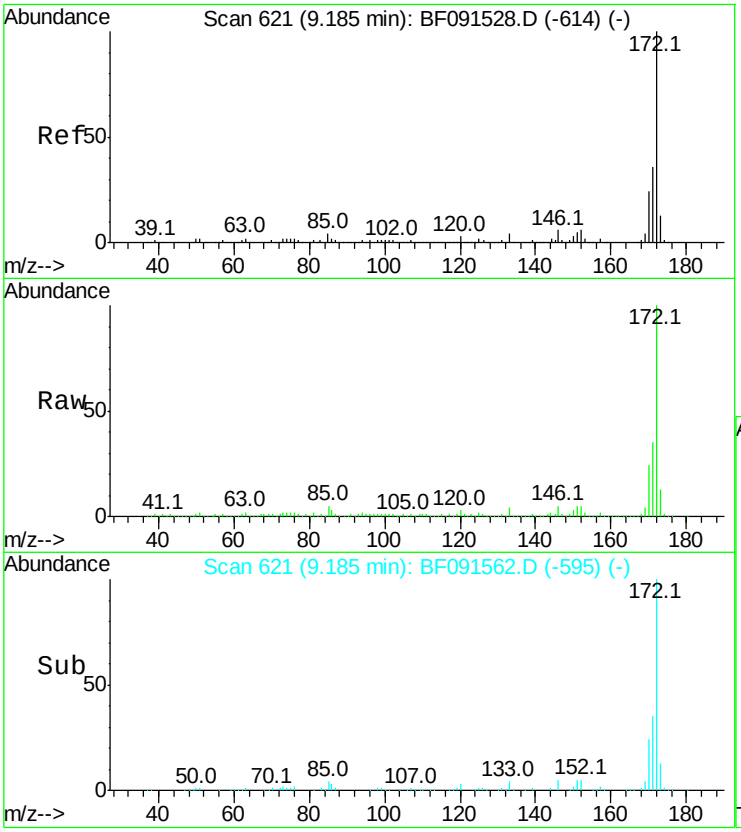


#41
2,4,6-Tribromophenol
Concen: 92.78 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:330 Resp: 426971

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.2	114.4
141	51.8	33.6	50.4#



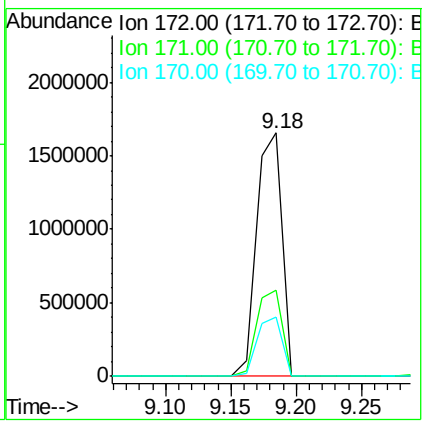


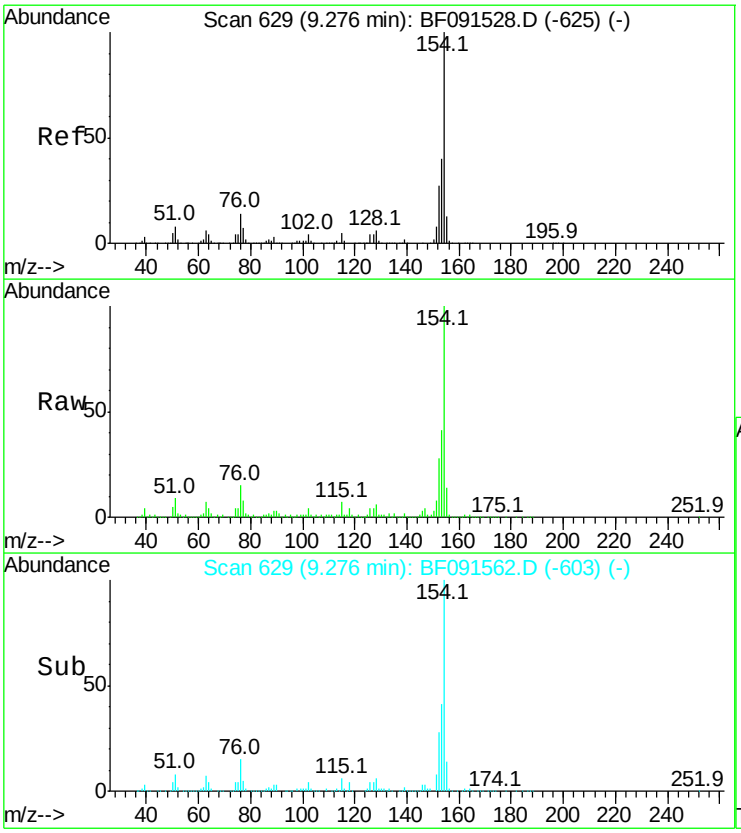
#44
2-Fluorobiphenyl
Concen: 69.93 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:172 Resp: 2242611

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	24.1	19.7	29.5

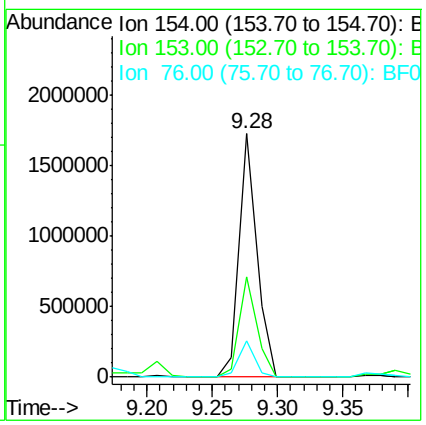


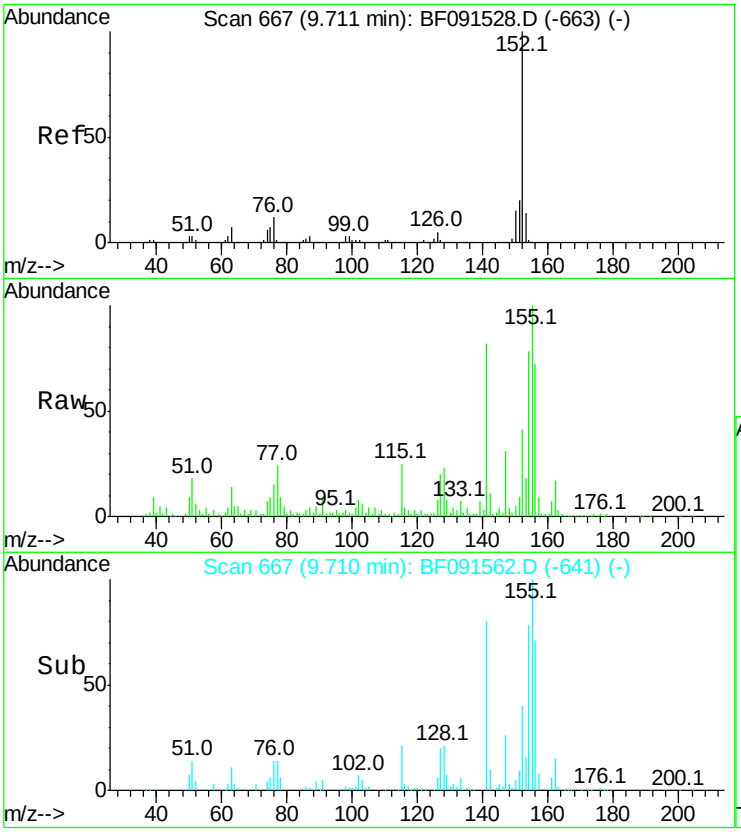


#45
1,1'-Biphenyl
Concen: 40.73 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:154 Resp: 1634597

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.6	60.6
76	14.9	0.0	36.6



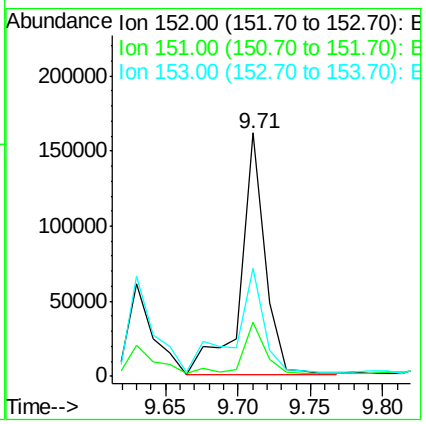


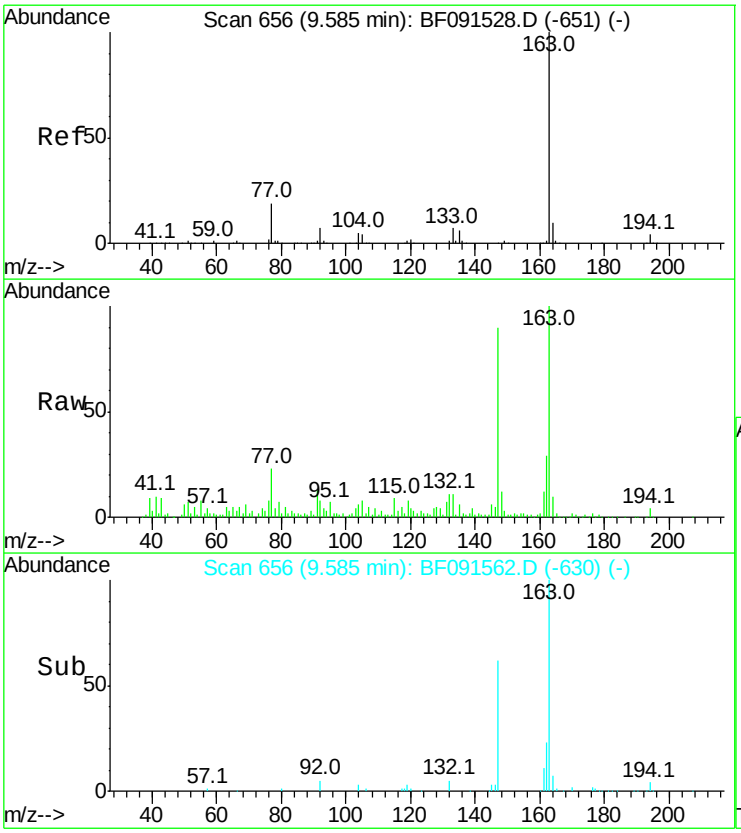
#48
Acenaphthylene
Concen: 3.98 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:152 Resp: 188663

Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.6	24.8
153	44.2	10.7	16.1#

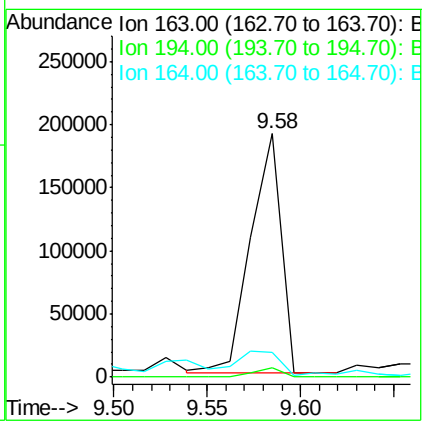


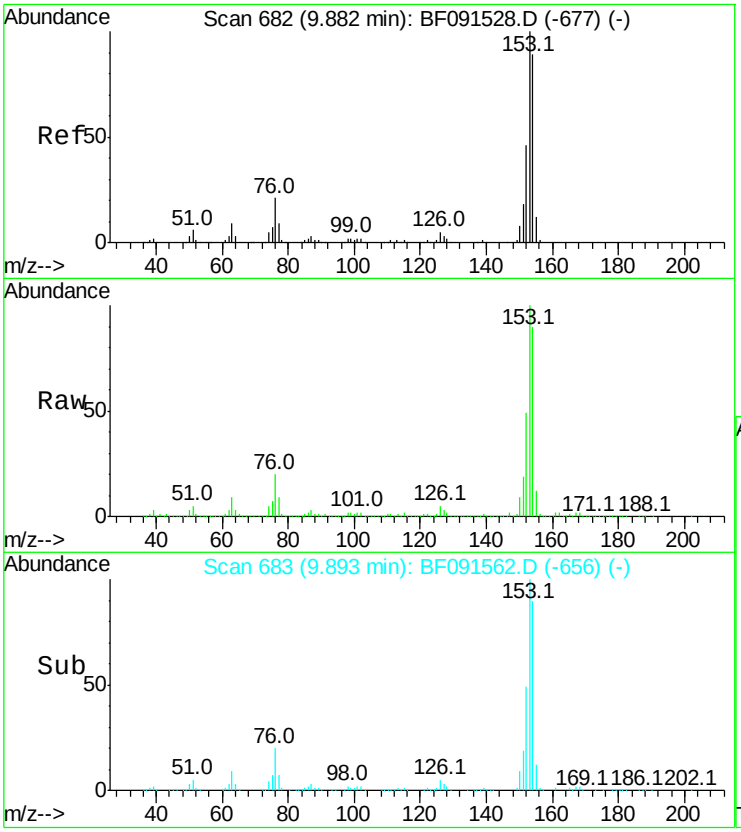


#49
Dimethylphthalate
Concen: 6.14 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:163 Resp: 215426

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.2	7.8	11.8



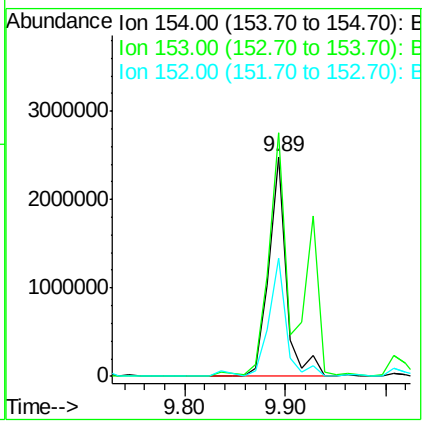


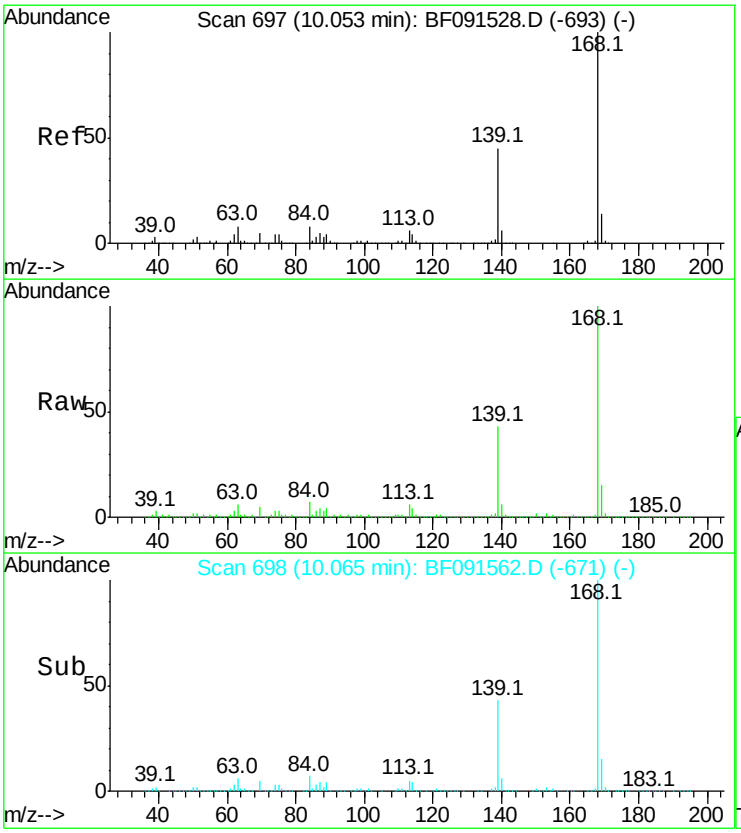
#51
Acenaphthene
Concen: 90.83 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:154 Resp: 2988535

Ion	Ratio	Lower	Upper
154	100		
153	110.8	91.0	136.6
152	54.1	44.2	66.2

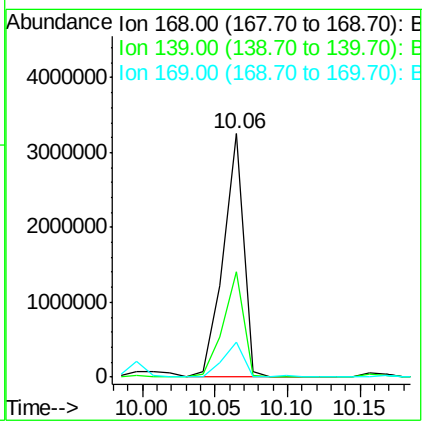


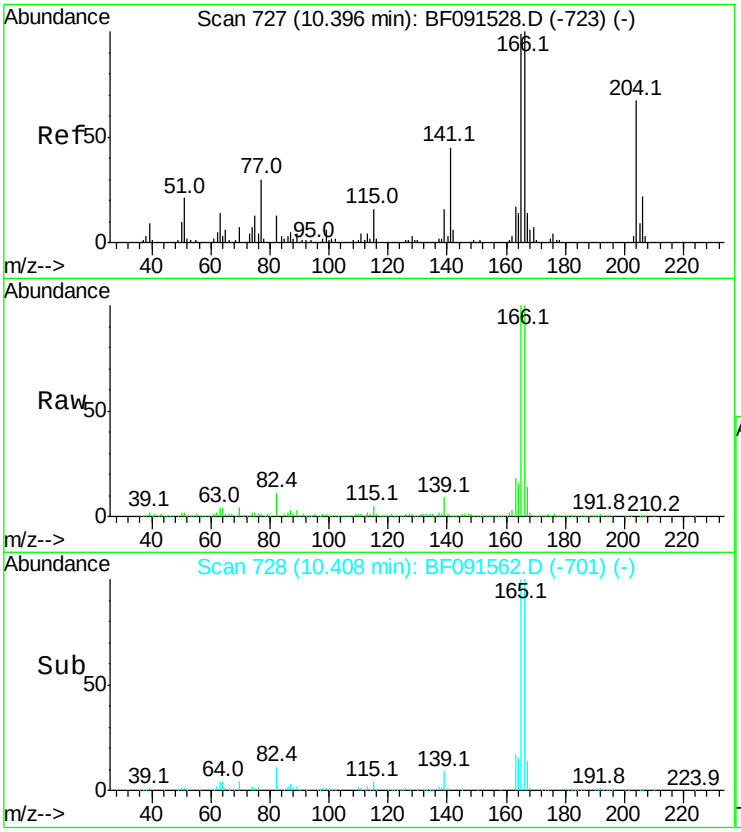


#54
Dibenzofuran
Concen: 77.89 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:168 Resp: 3171073

Ion	Ratio	Lower	Upper
168	100		
139	43.5	33.4	50.2
169	14.5	11.1	16.7



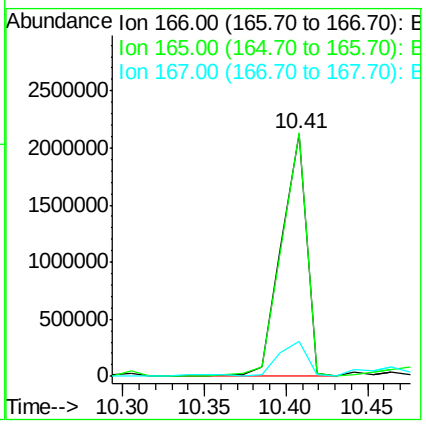


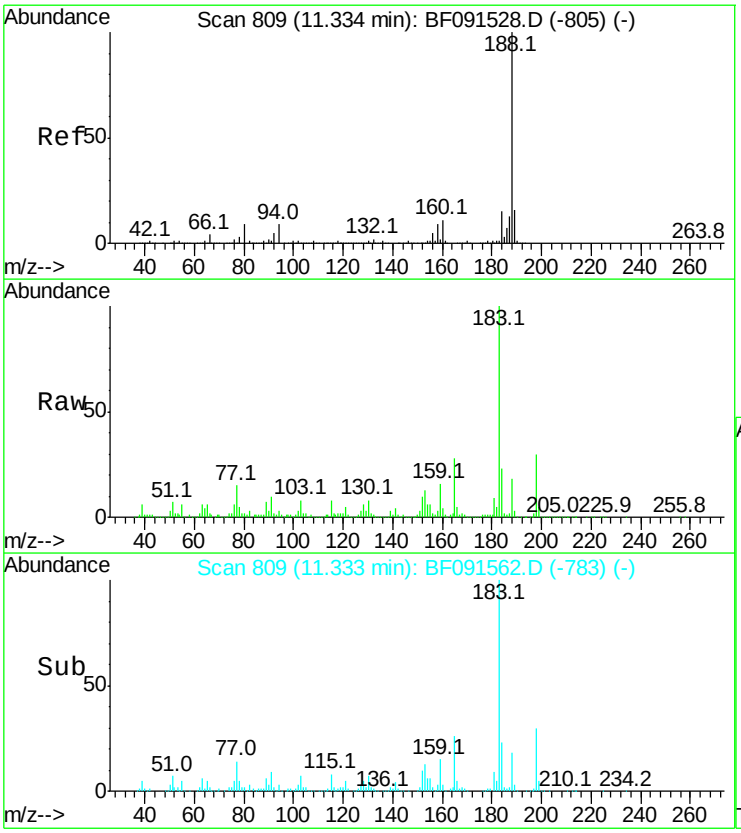
#57
Fluorene
Concen: 82.79 ng
RT: 10.41 min Scan# 728
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:166 Resp: 2286591

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.0	120.0
167	14.4	10.8	16.2

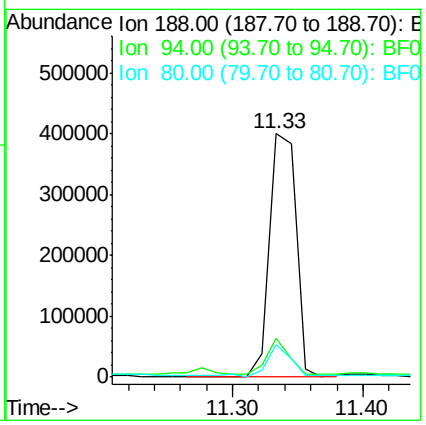


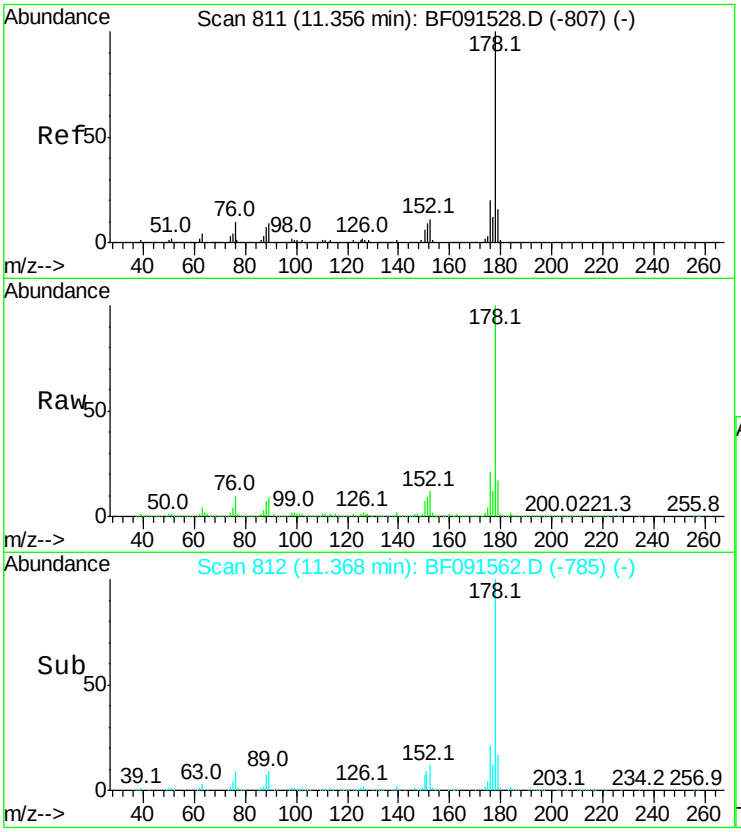


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:188 Resp: 571914

Ion	Ratio	Lower	Upper
188	100		
94	15.9	9.2	13.8#
80	13.2	10.5	15.7



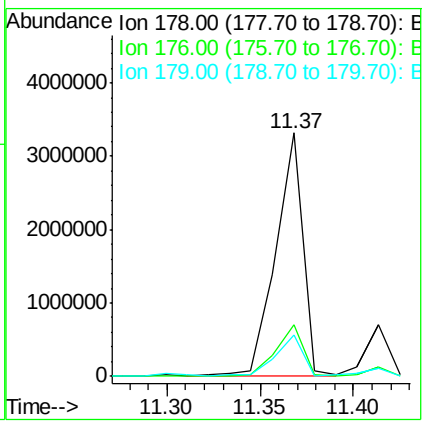


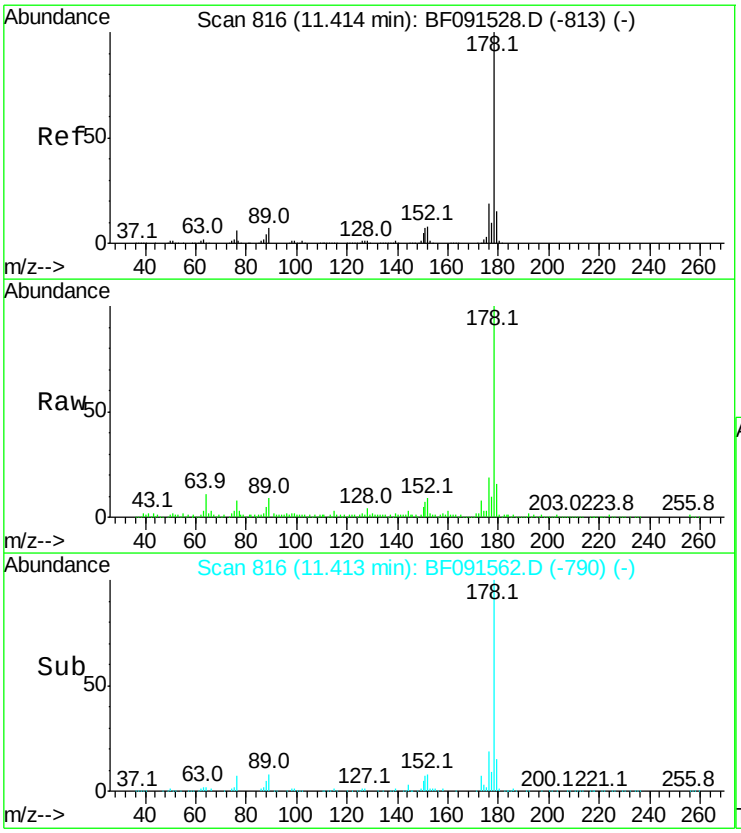
#70
Phenanthrene
Concen: 117.68 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:178 Resp: 3333020

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.9	23.9
179	16.8	12.6	18.8

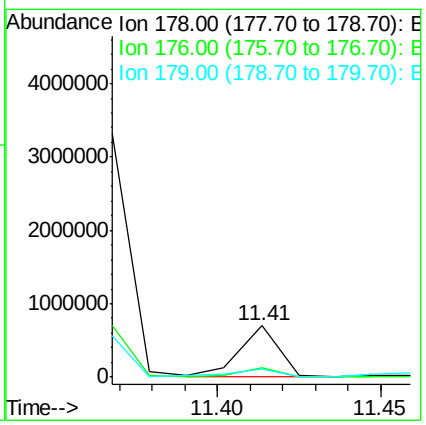


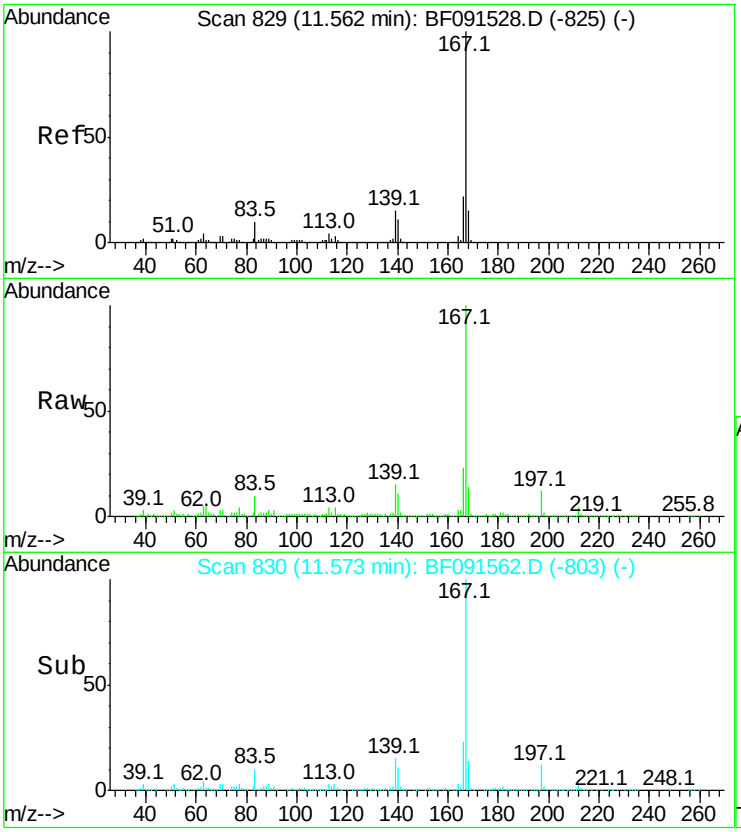


#71
Anthracene
Concen: 18.67 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:178 Resp: 570430

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.8	12.7	19.1



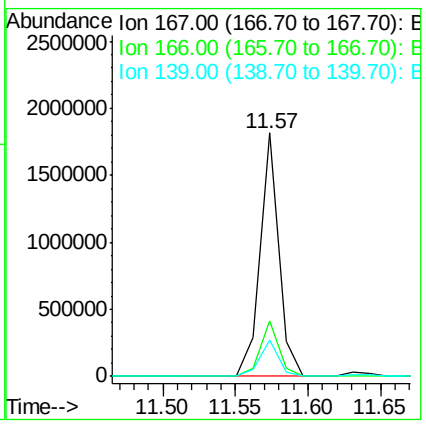


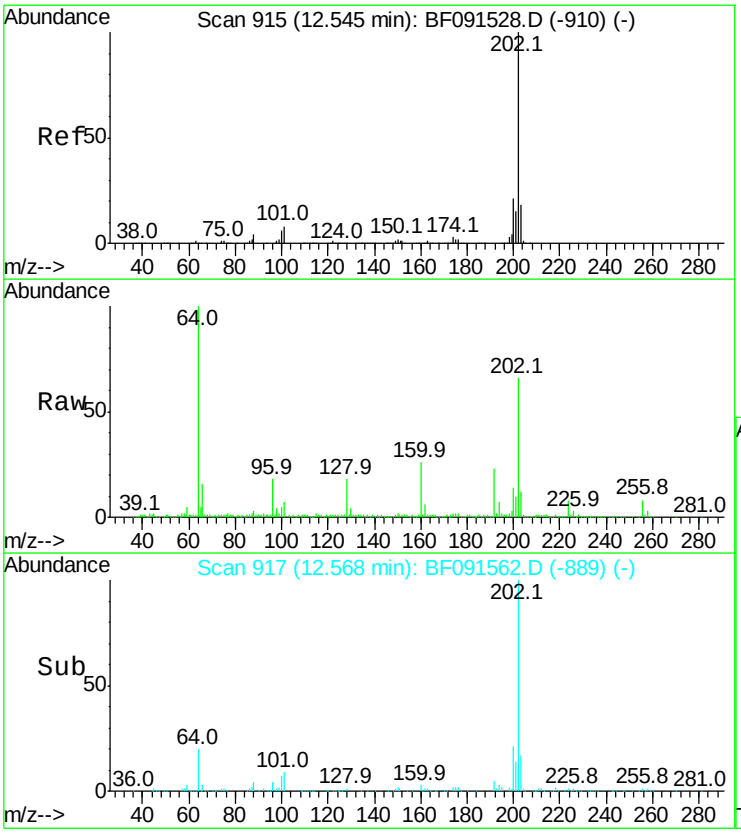
#72
Carbazole
Concen: 60.78 ng
RT: 11.57 min Scan# 830
Delta R.T. 0.01 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:167 Resp: 1627364

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.1	27.1
139	14.8	11.5	17.3

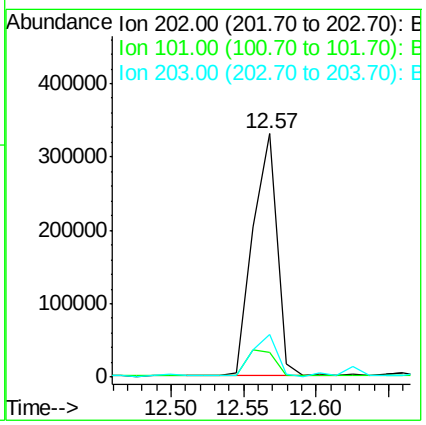


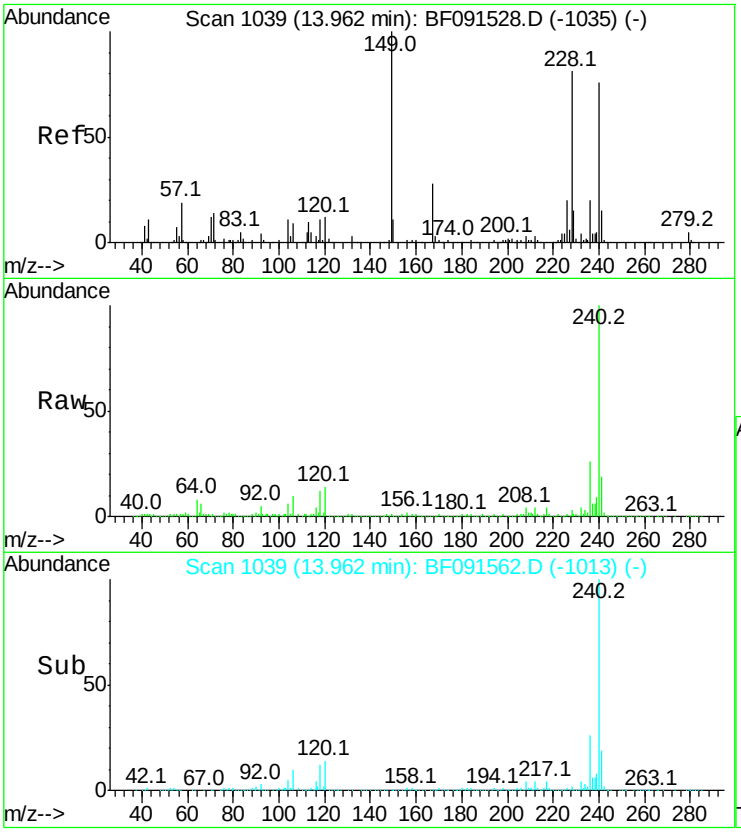


#74
Fluoranthene
Concen: 12.87 ng
RT: 12.57 min Scan# 917
Delta R.T. 0.02 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:202 Resp: 381794

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.5
203	17.8	0.0	37.8



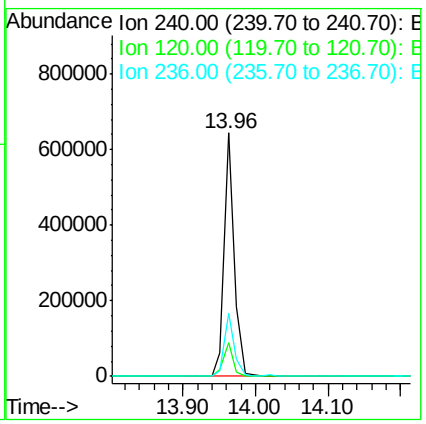


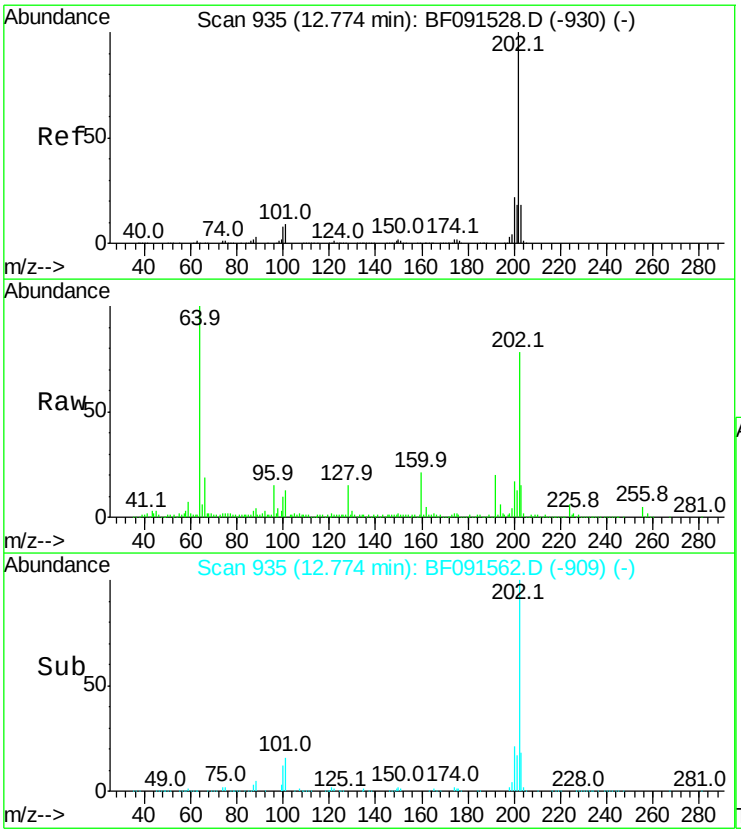
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:240 Resp: 624292

Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.1	18.1
236	26.1	21.0	31.6

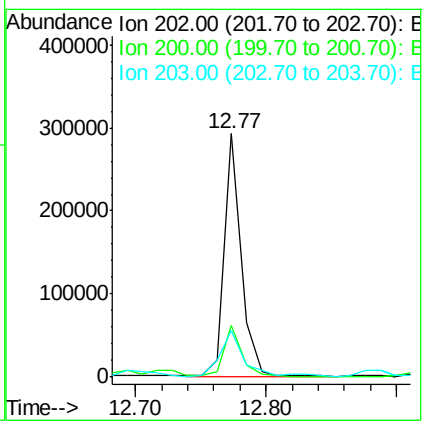


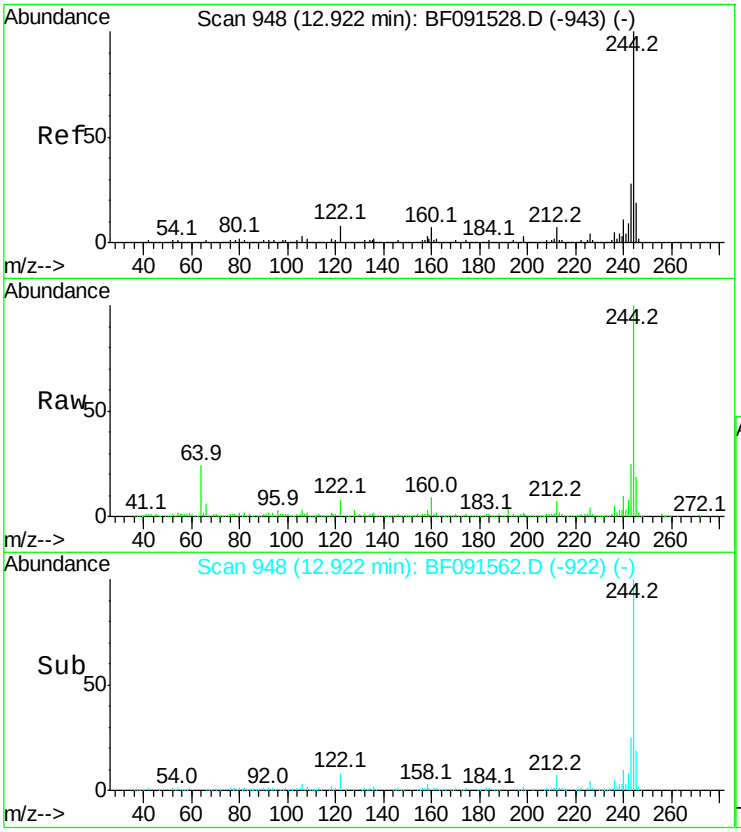


#77
Pyrene
Concen: 5.36 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:202 Resp: 265548

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.9	14.0	21.0



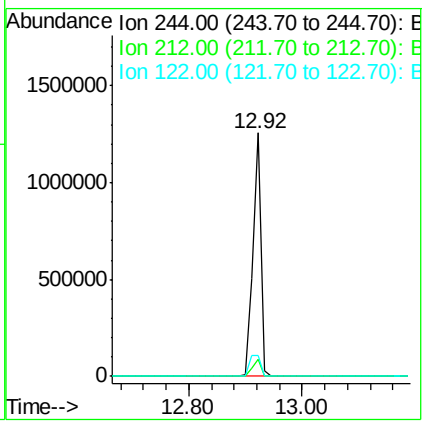


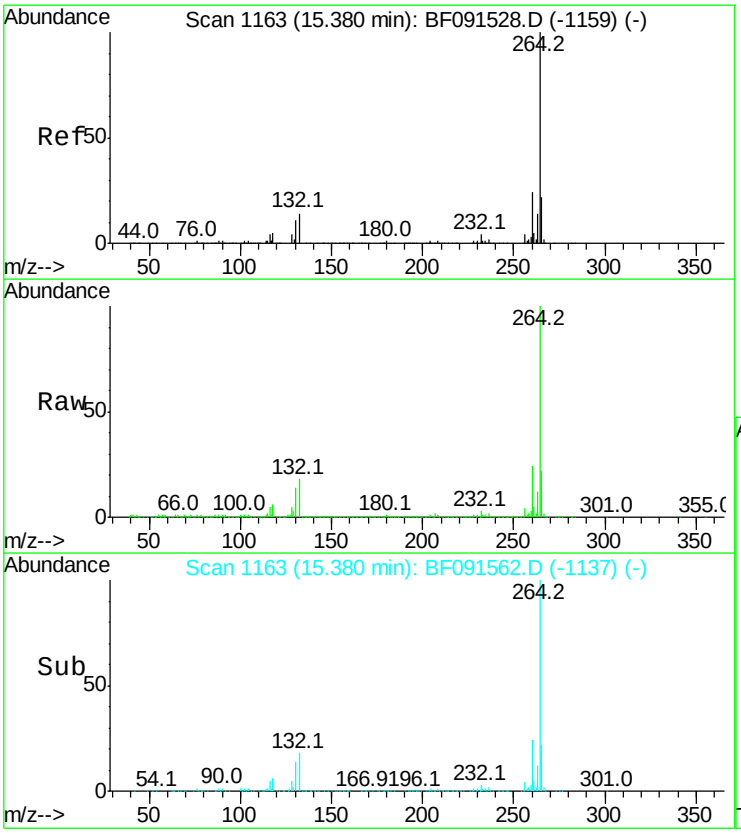
#78
Terphenyl-d14
Concen: 45.05 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion:244 Resp: 1239532

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.5	9.7
122	8.5	9.5	14.3#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091562.D
Acq: 13 Dec 2016 19:02

Tgt Ion:264 Resp: 669195

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.6	17.0	25.6