Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083581.D
Acq On : 8 Dec 2015 4:43
Operator : UM/IZ
Sample : G4584-01DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-10(0-6)DL

Quant Time: Dec 08 06:34:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	161023	20.00	ng		-0.05
21) Naphthalene-d8	7.63	136	596942	20.00	ng		-0.05
38) Acenaphthene-d10	10.42	164	259271	20.00	ng		-0.05
63) Phenanthrene-d10	12.82	188	406783	20.00	ng		-0.03
75) Chrysene-d12	17.03	240	363035	20.00	ng		-0.02
86) Perylene-d12	18.66	264	293199	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.00	112	250885	23.64	ng		-0.03
7) Phenol-d6	5.29	99	333087	22.78	ng		-0.03
23) Nitrobenzene-d5	6.54	82	206348	16.16	ng		-0.06
41) 2,4,6-Tribromophenol	11.71	330	45044	18.83	ng		-0.05
44) 2-Fluorobiphenyl	9.37	172	323273	16.91	ng		-0.06
78) Terphenyl-d14	15.44	244	245226	15.03	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	7.65	128	1276793	40.18	ng		99
32) Benzoic acid	7.65	122	2722	3.13	ng	#	1
33) 4-Chloroaniline	7.65	127	164523	13.24	ng	#	27
37) 2-Methylnaphthalene	8.76	142	334829	17.04	ng		98
45) 1,1'-Biphenyl	9.52	154	164599	7.14	ng		98
48) Acenaphthylene	10.19	152	927080	32.61	ng		100
51) Acenaphthene	10.46	154	151972	9.29	ng		97
54) Dibenzofuran	10.76	168	52449	2.31	ng		98
55) 4-Nitrophenol	10.76	139	21886	8.39	ng	#	16
57) Fluorene	11.30	166	396379	20.10	ng		97
70) Phenanthrene	12.87	178	2655626	112.16	ng		99
71) Anthracene	12.93	178	719844	29.81	ng		100
74) Fluoranthene	14.79	202	1889394	80.51	ng		97
77) Pyrene	15.15	202	2664518	98.11	ng		99
80) Benzo(a)anthracene	17.06	228	896694	42.22	ng		97
81) 3,3'-Dichlorobenzidine	17.08	252	20331	2.99	ng	#	10
82) Chrysene	17.06	228	896694	42.38	ng		98
85) Indeno(1,2,3-cd)pyrene	19.91	276	426985	23.54	ng	#	100
87) Benzo(b)fluoranthene	18.28	252	1089199	66.15	ng		98
88) Benzo(k)fluoranthene	18.28	252	1089199	64.57	ng		96
89) Benzo(a)pyrene	18.60	252	881808	55.06	ng		97
91) Benzo(g,h,i)perylene	20.26	276	502490	32.36	ng		96

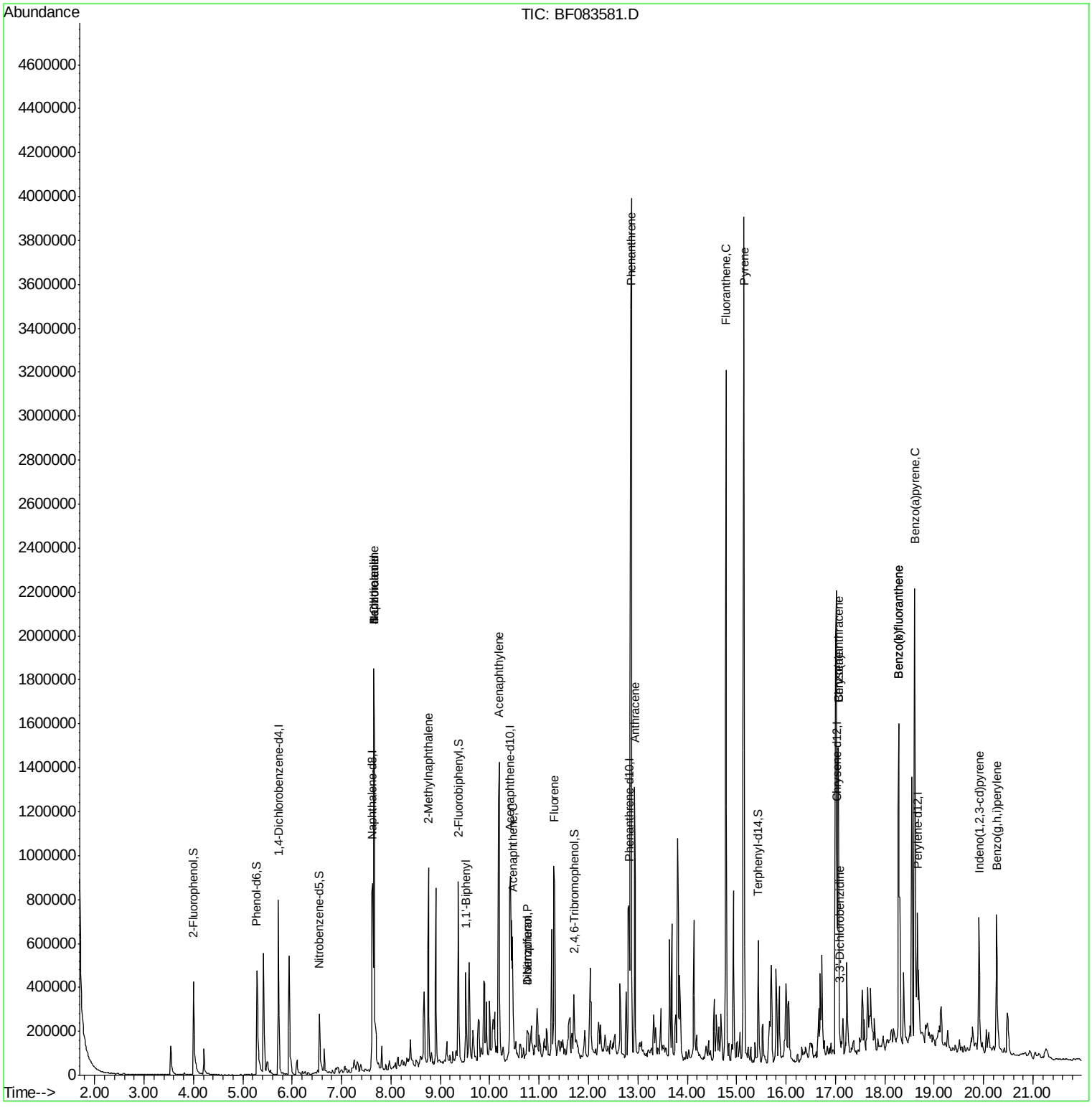
(#) = qualifier out of range (m) = manual integration (+) = signals summed

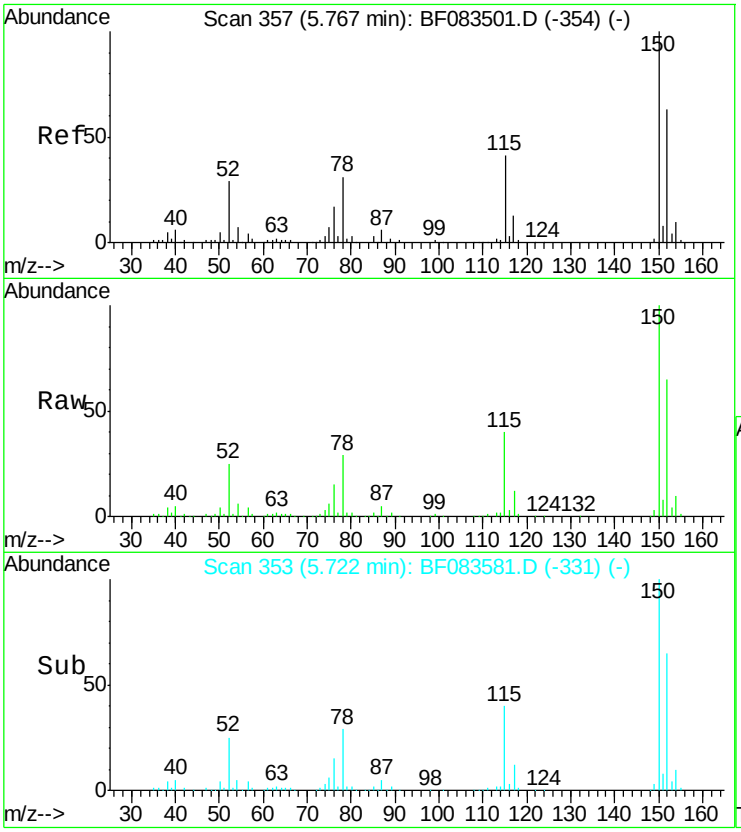
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083581.D
Acq On : 8 Dec 2015 4:43
Operator : UM/IZ
Sample : G4584-01DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Quant Time: Dec 08 06:34:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration



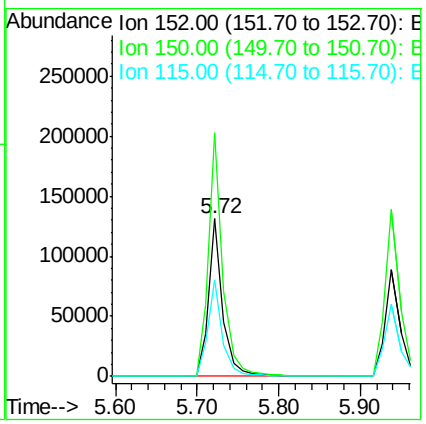


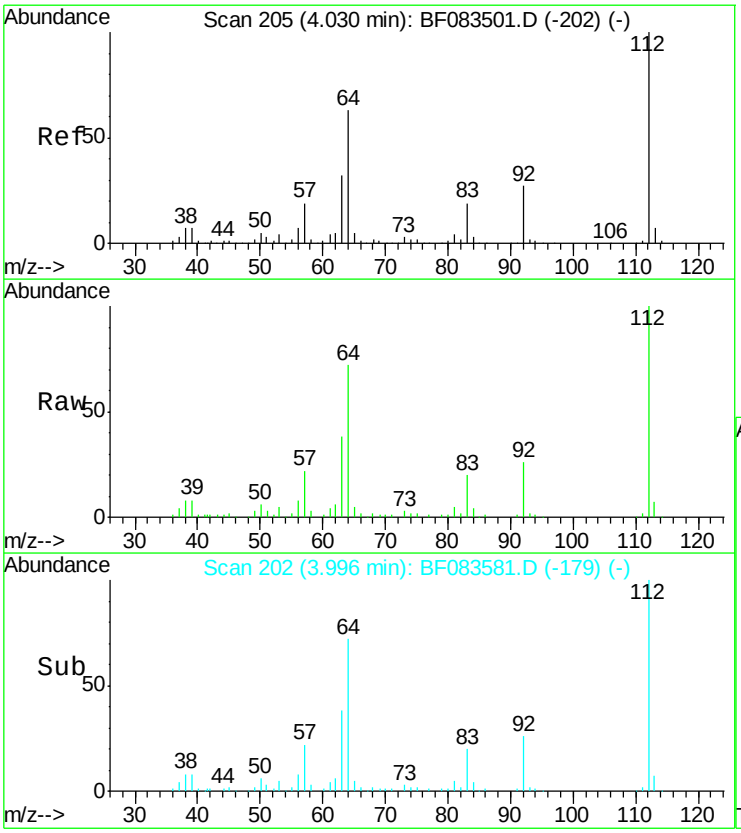
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.72 min Scan# 353
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:152 Resp: 161023

Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.5	189.7
115	61.0	52.3	78.5

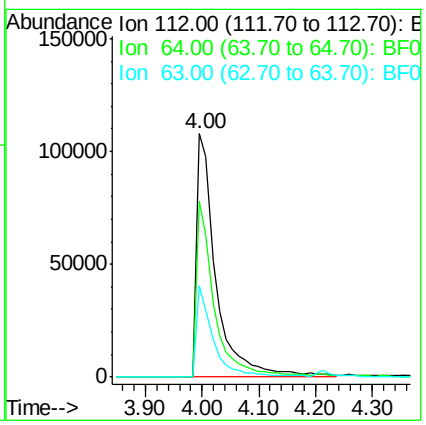


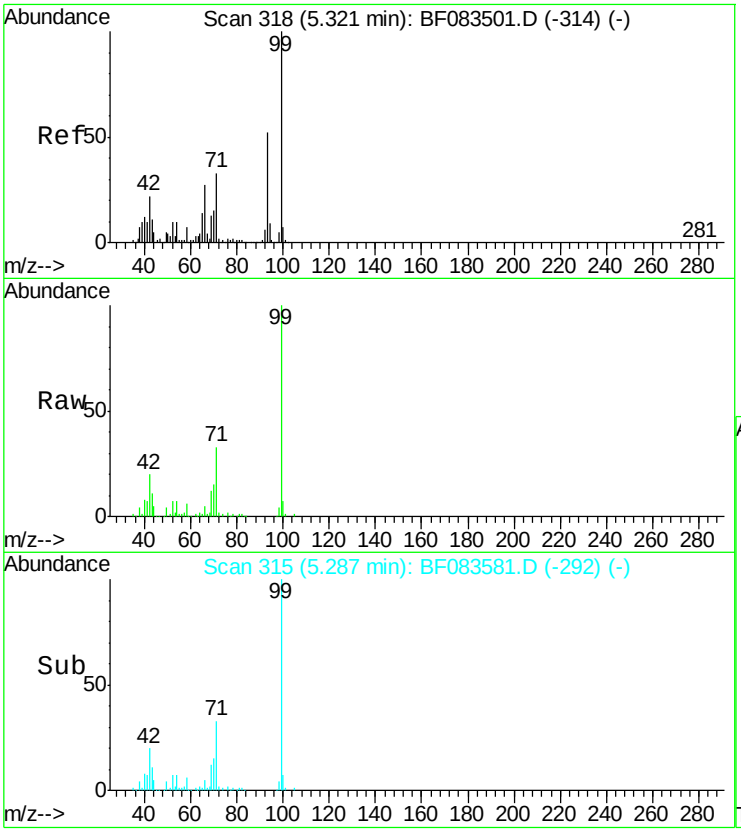


#5
2-Fluorophenol
Concen: 23.64 ng
RT: 4.00 min Scan# 202
Delta R.T. -0.03 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:112 Resp: 250885

Ion	Ratio	Lower	Upper
112	100		
64	72.0	50.5	75.7
63	37.7	25.8	38.6



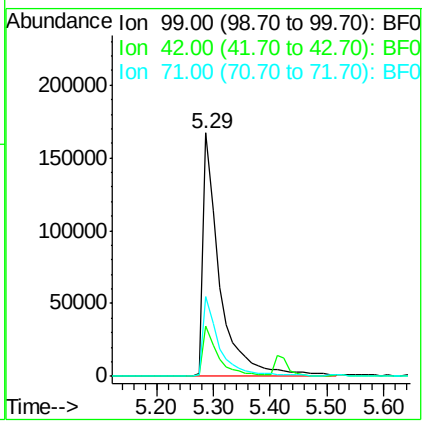


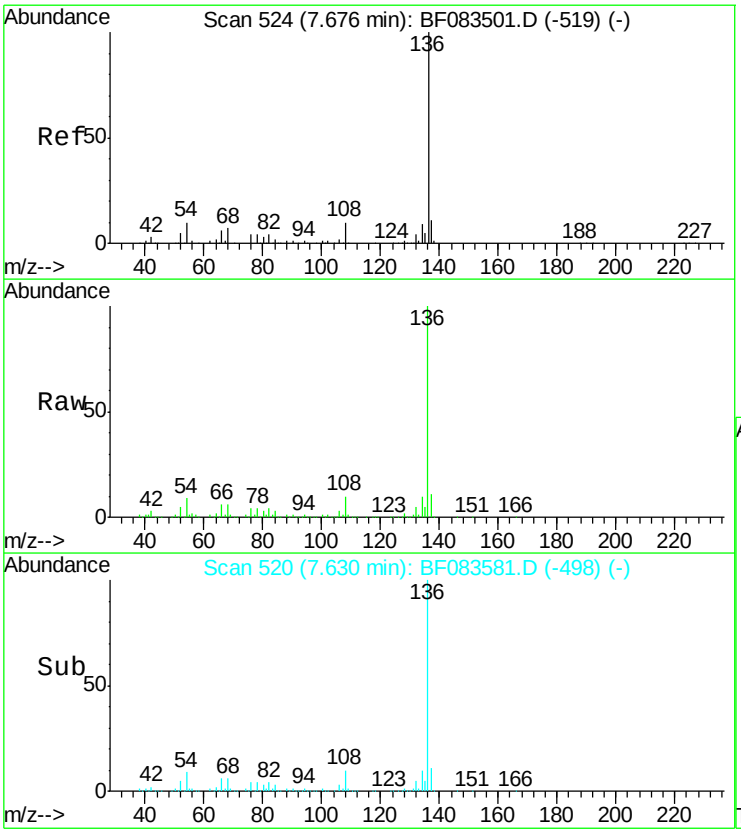
#7
Phenol-d6
Concen: 22.78 ng
RT: 5.29 min Scan# 315
Delta R.T. -0.03 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion: 99 Resp: 333087

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.3	25.9
71	32.7	26.6	40.0

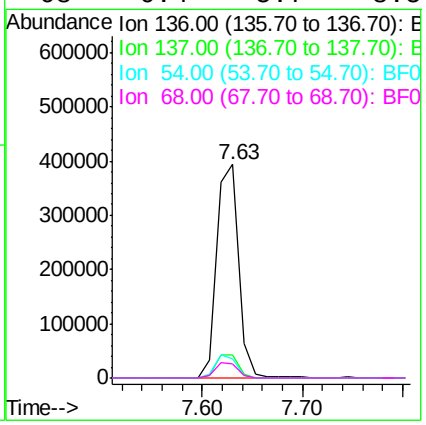


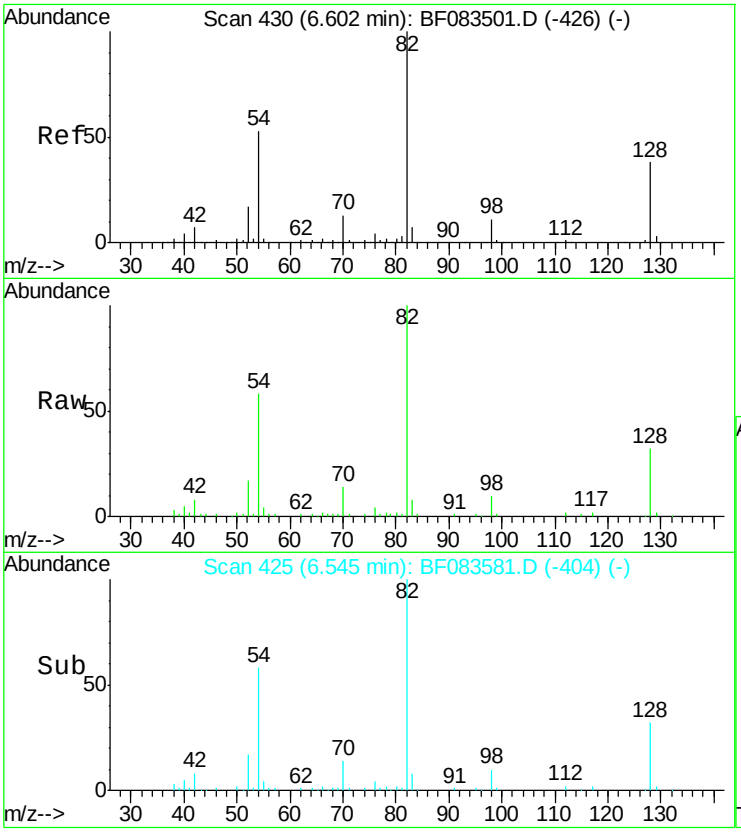


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:136 Resp: 596942

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.1	7.8	11.6
68	6.4	5.7	8.5



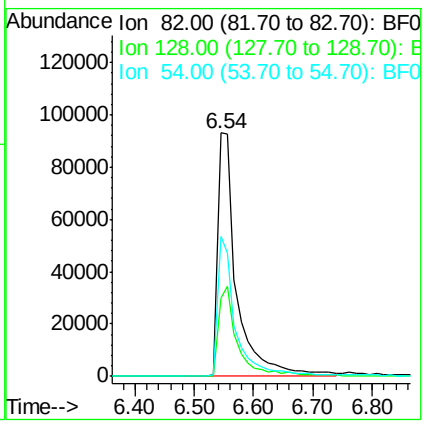


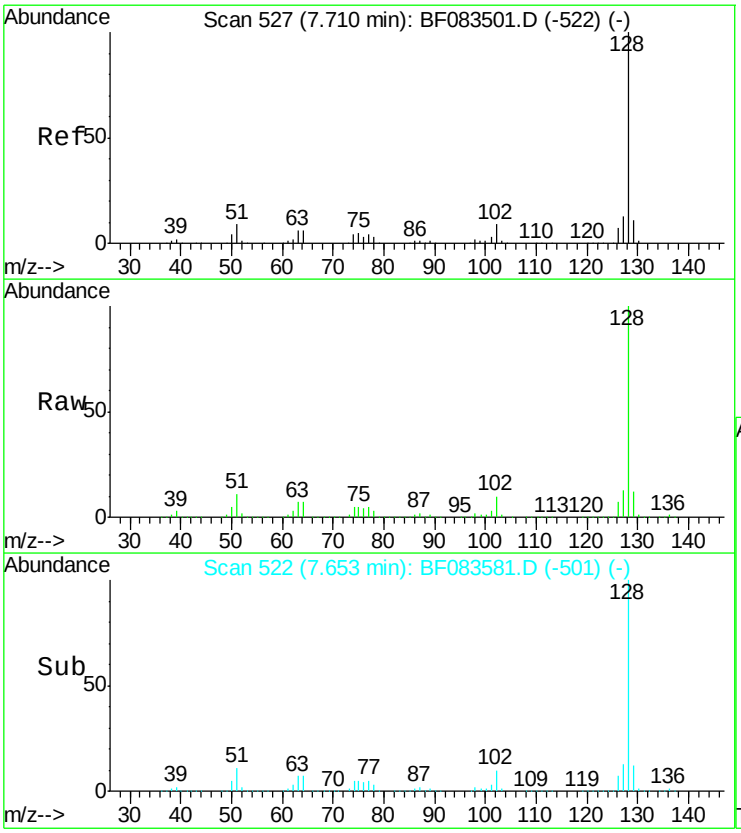
#23
Nitrobenzene-d5
Concen: 16.16 ng
RT: 6.54 min Scan# 425
Delta R.T. -0.06 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion: 82 Resp: 206348

Ion	Ratio	Lower	Upper
82	100		
128	32.2	30.7	46.1
54	57.6	42.5	63.7

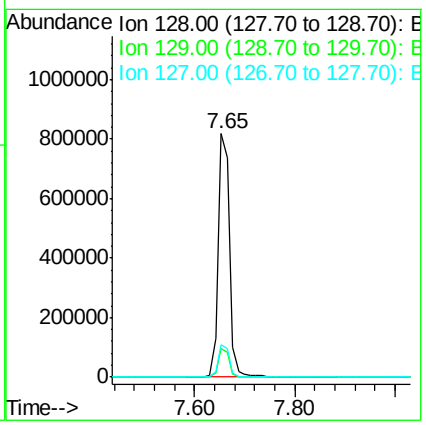


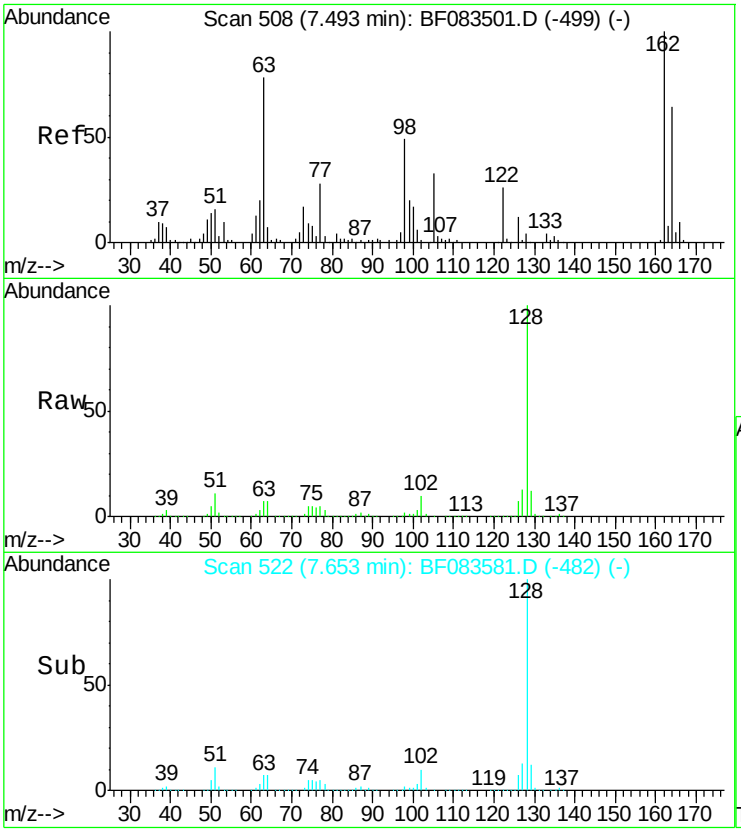


#31
Naphthalene
Concen: 40.18 ng
RT: 7.65 min Scan# 522
Delta R.T. -0.06 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:128 Resp: 1276793

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.1	10.6	16.0



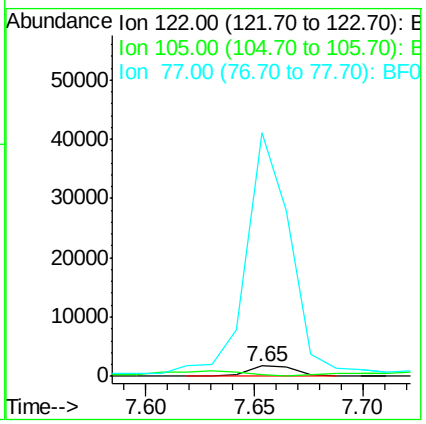


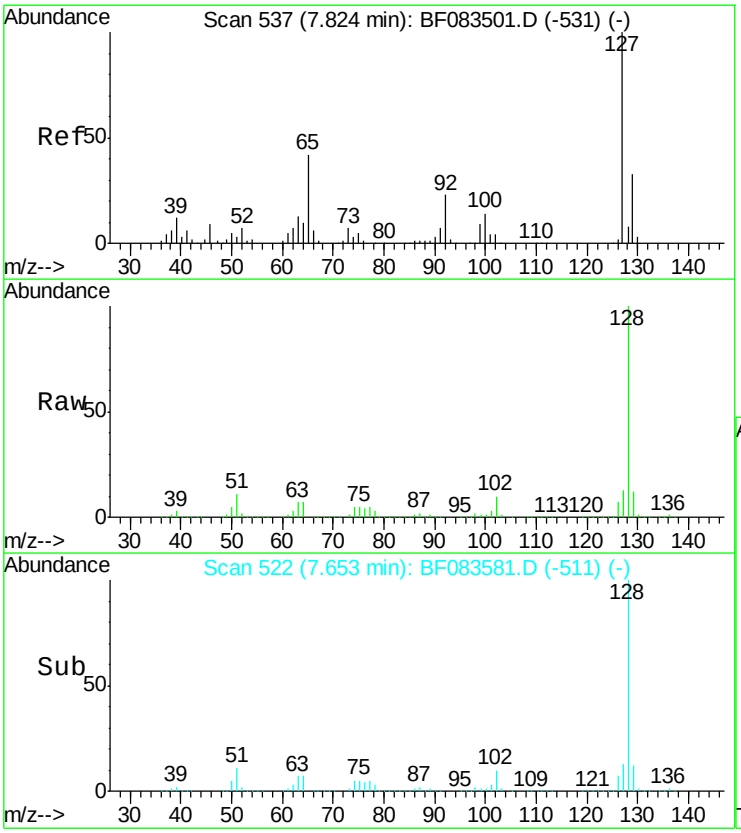
#32
Benzoic acid
Concen: 3.13 ng
RT: 7.65 min Scan# 522
Delta R.T. 0.16 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:122 Resp: 2722

Ion	Ratio	Lower	Upper
122	100		
105	17.6	105.6	145.6#
77	2381.0	86.8	126.8#

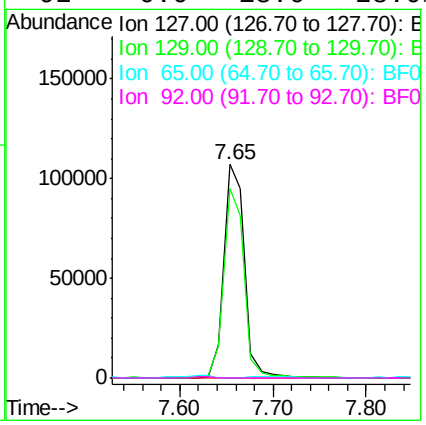


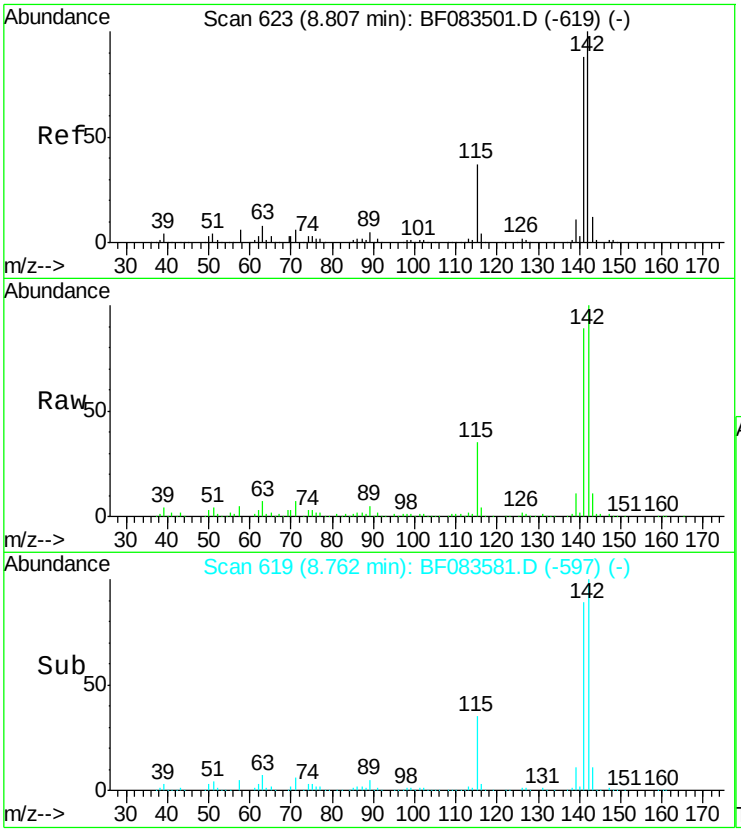


#33
4-Chloroaniline
Concen: 13.24 ng
RT: 7.65 min Scan# 522
Delta R.T. -0.17 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:127 Resp: 164523

Ion	Ratio	Lower	Upper
127	100		
129	88.7	26.1	39.1#
65	0.0	33.5	50.3#
92	0.0	18.6	28.0#



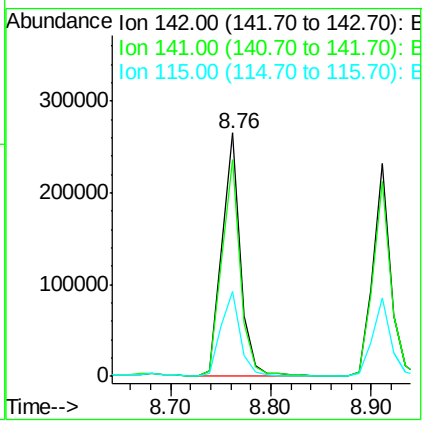


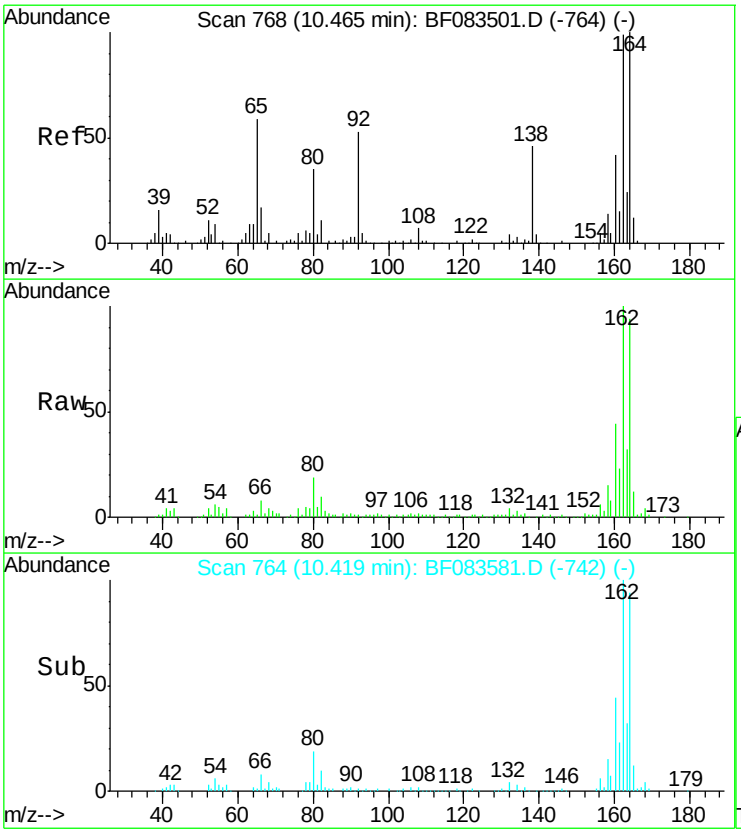
#37
2-Methylnaphthalene
Concen: 17.04 ng
RT: 8.76 min Scan# 619
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:142 Resp: 334829

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	35.0	29.2	43.8

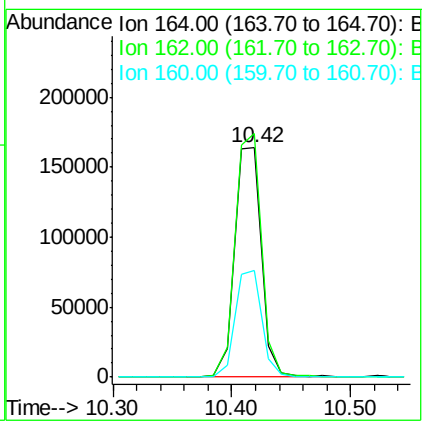


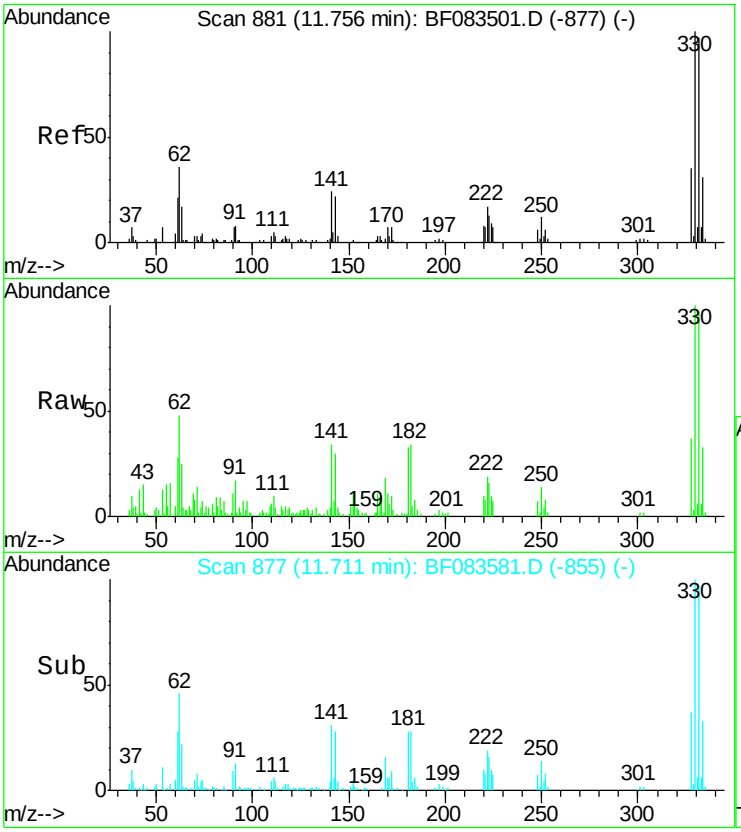


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:164 Resp: 259271

Ion	Ratio	Lower	Upper
164	100		
162	106.3	78.8	118.2
160	46.4	33.4	50.2



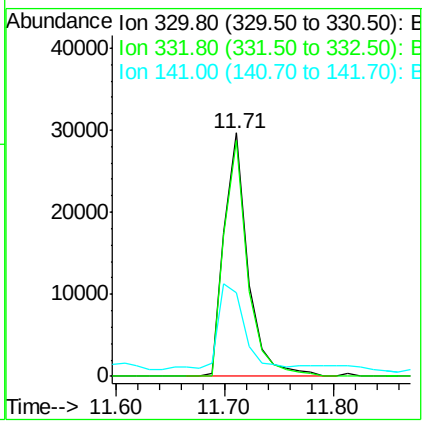


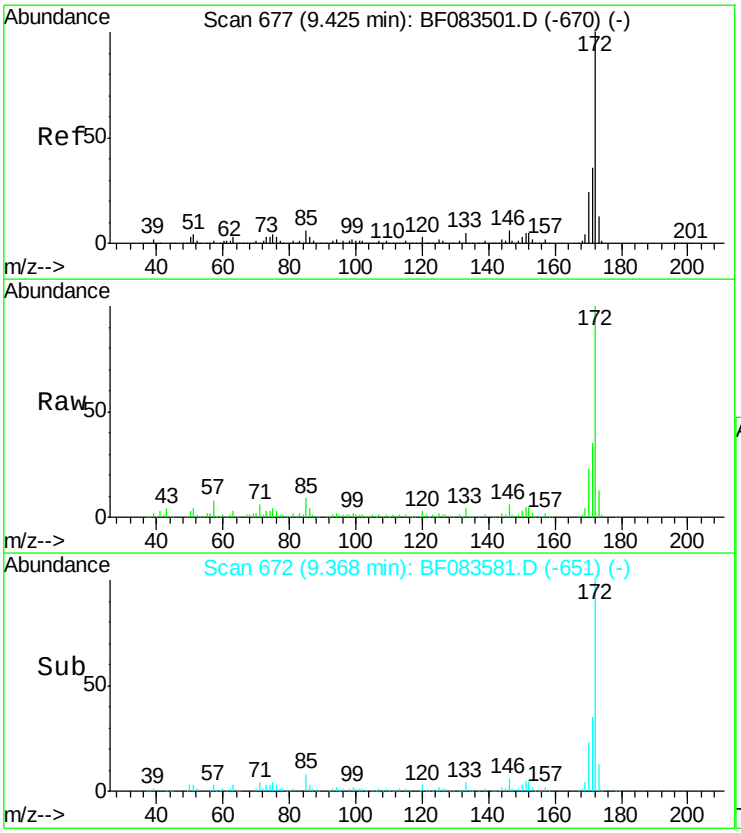
#41
2,4,6-Tribromophenol
Concen: 18.83 ng
RT: 11.71 min Scan# 877
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:330 Resp: 45044

Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	39.7	0.0	0.0#

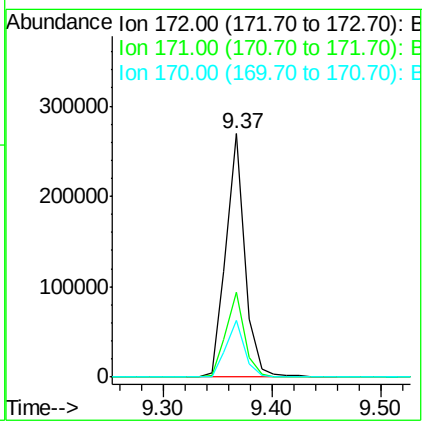


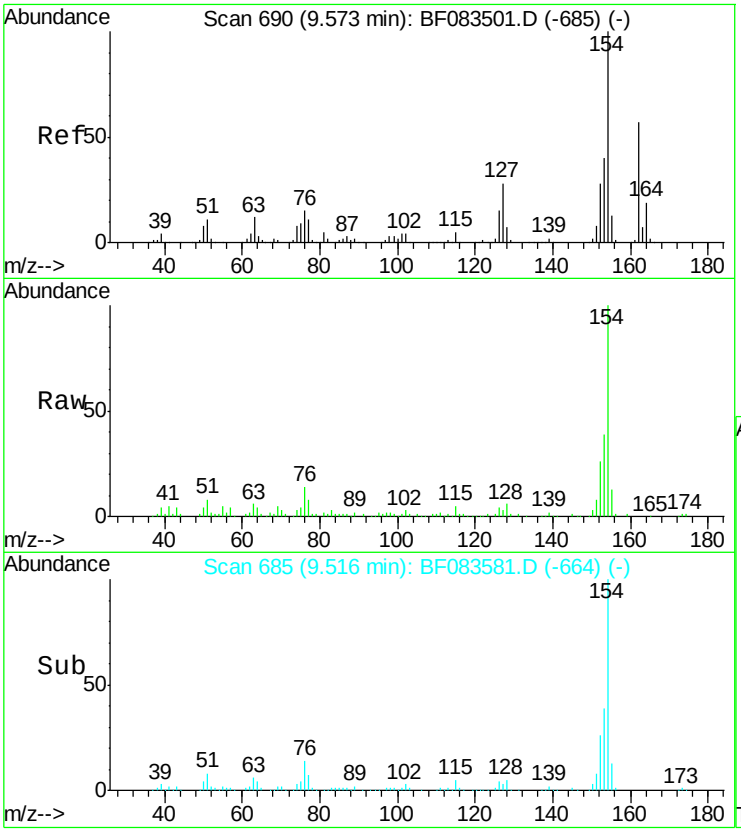


#44
2-Fluorobiphenyl
Concen: 16.91 ng
RT: 9.37 min Scan# 672
Delta R.T. -0.06 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:172 Resp: 323273

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.5	19.4	29.0



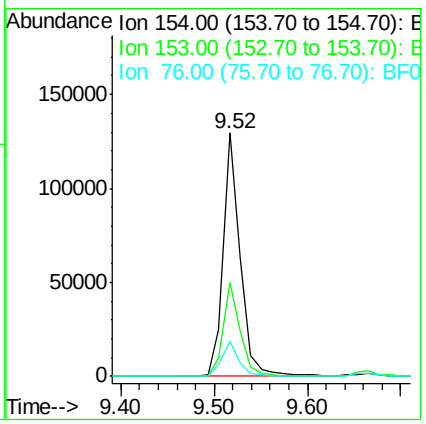


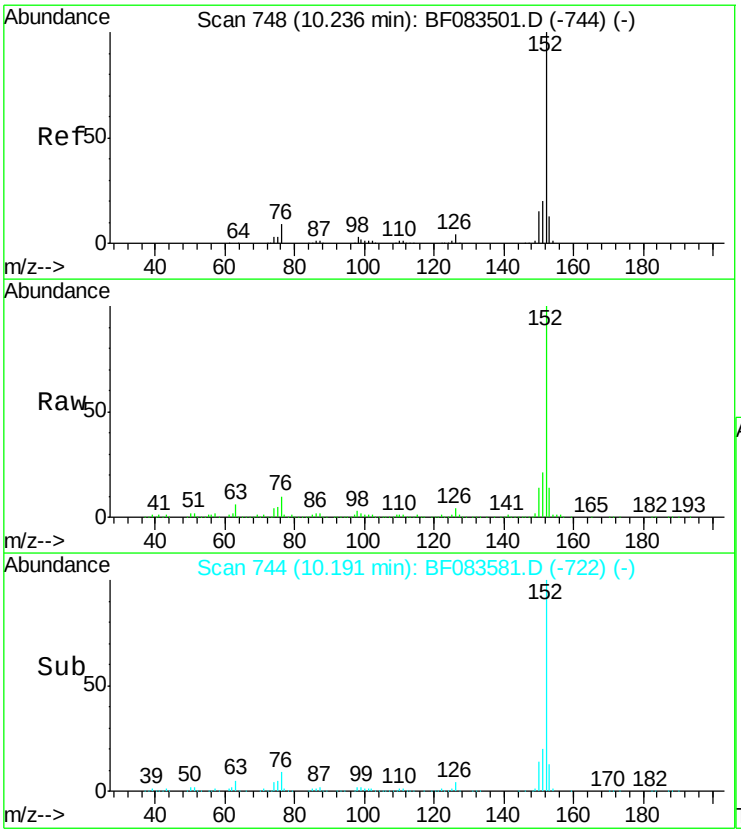
#45
1,1'-Biphenyl
Concen: 7.14 ng
RT: 9.52 min Scan# 685
Delta R.T. -0.06 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:154 Resp: 164599

Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.2	60.2
76	14.2	0.0	34.8

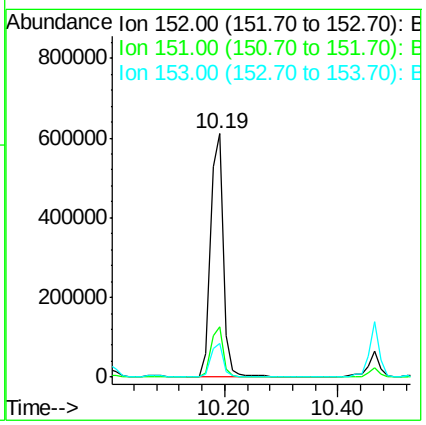


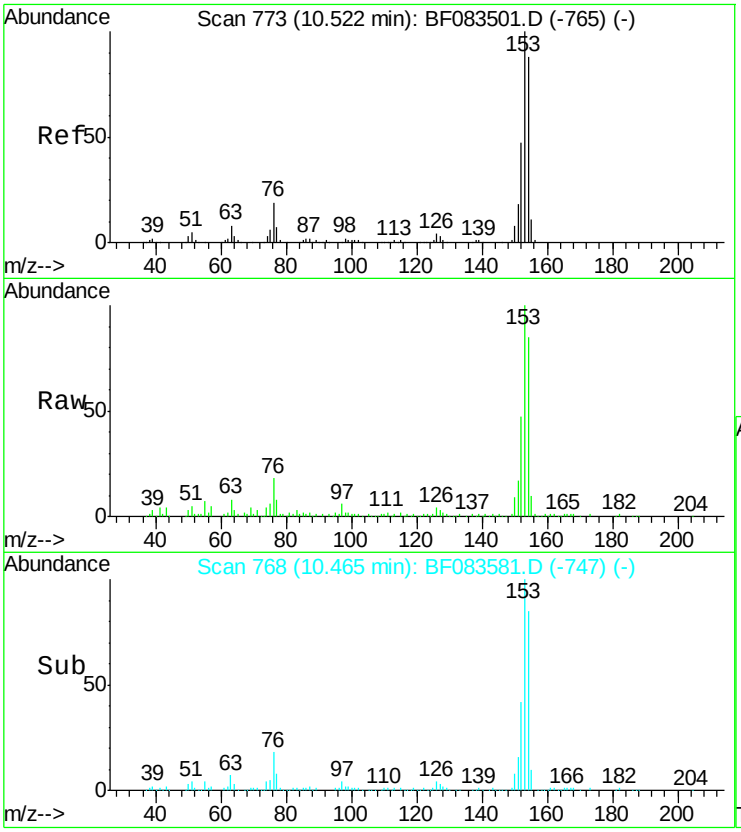


#48
Acenaphthylene
Concen: 32.61 ng
RT: 10.19 min Scan# 744
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:152 Resp: 927080

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.6	10.8	16.2



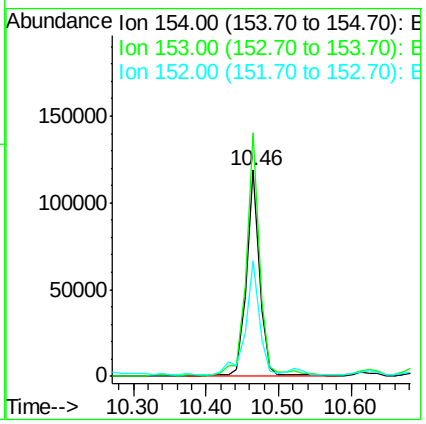


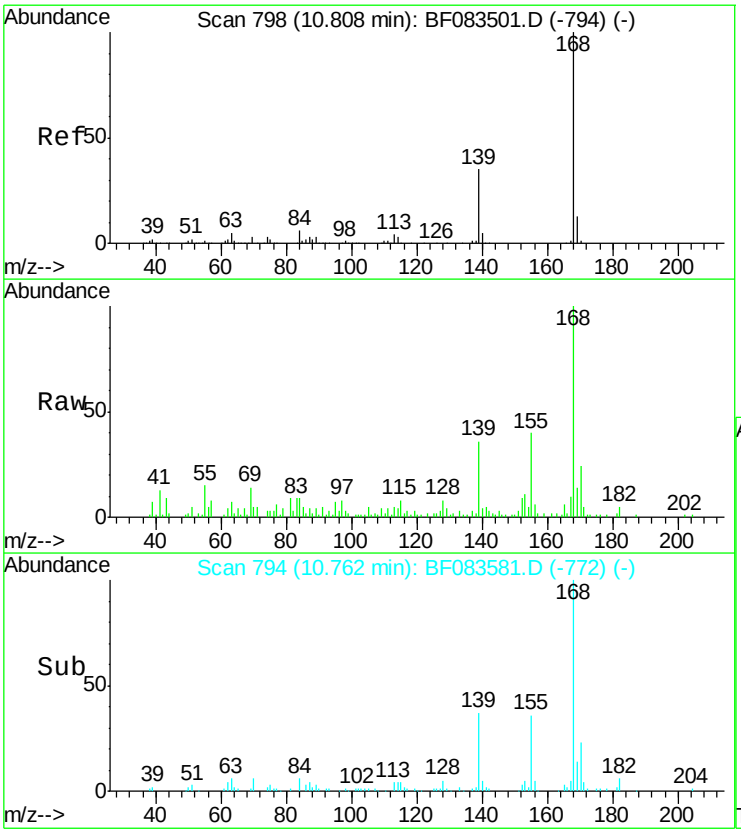
#51
Acenaphthene
Concen: 9.29 ng
RT: 10.46 min Scan# 768
Delta R.T. -0.06 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:154 Resp: 151972

Ion	Ratio	Lower	Upper
154	100		
153	118.0	91.4	137.0
152	56.0	43.4	65.2

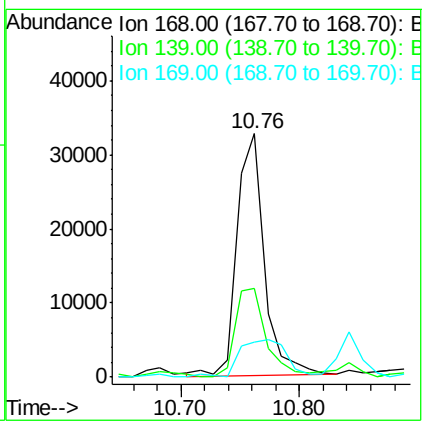


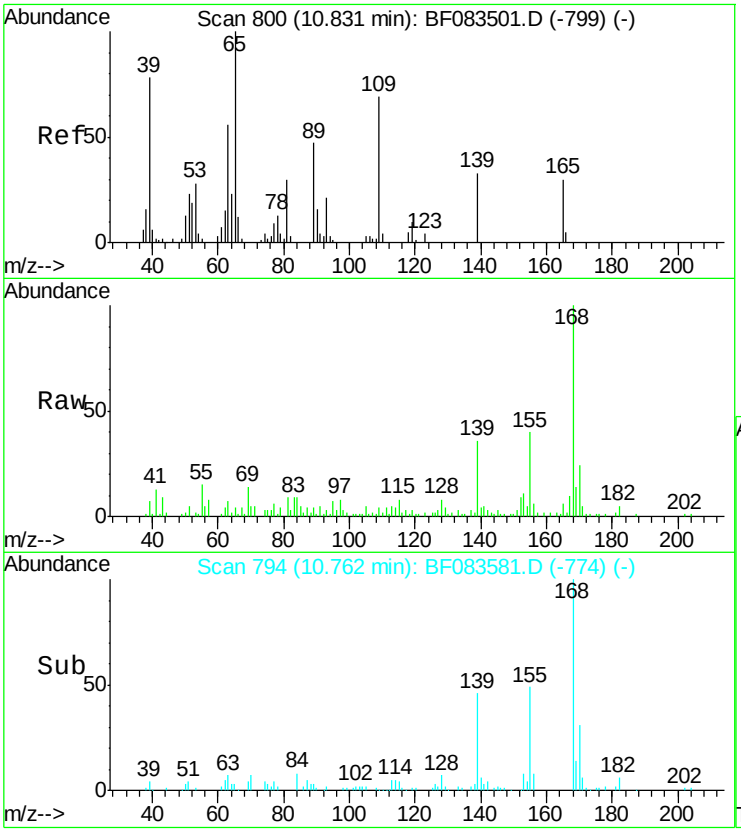


#54
Dibenzofuran
Concen: 2.31 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:168 Resp: 52449

Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.0	42.0
169	14.1	10.8	16.2



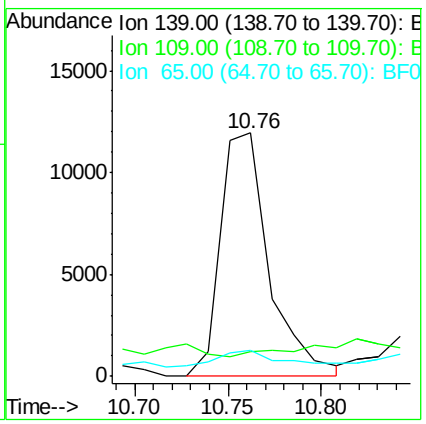


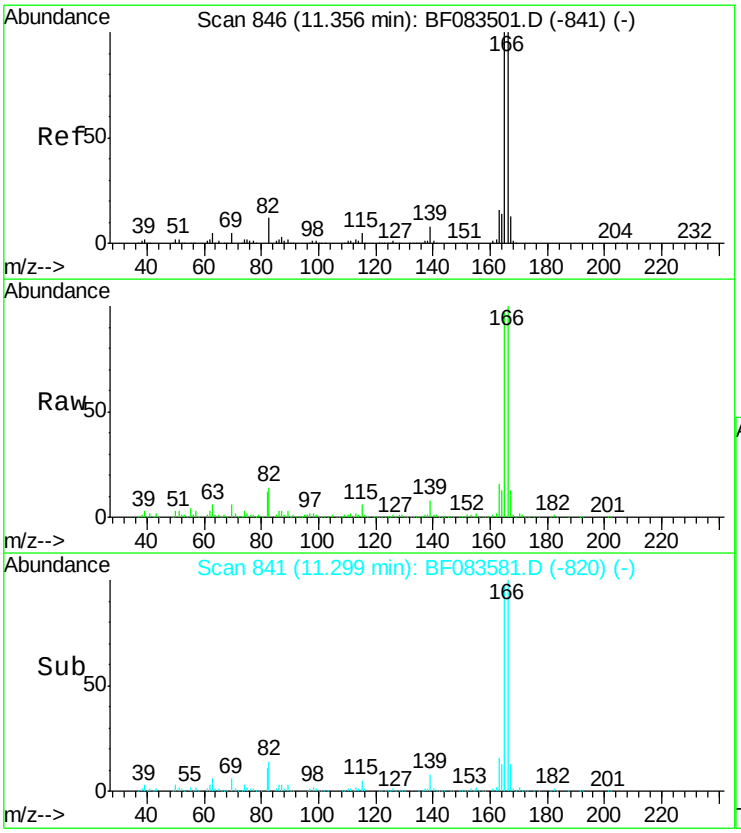
#55
4-Nitrophenol
Concen: 8.39 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:139 Resp: 21886

Ion	Ratio	Lower	Upper
139	100		
109	10.4	42.0	82.0#
65	10.8	89.2	129.2#

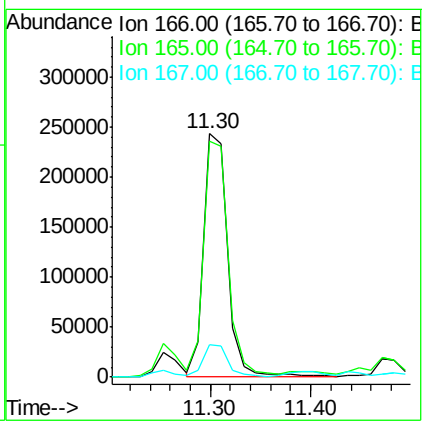


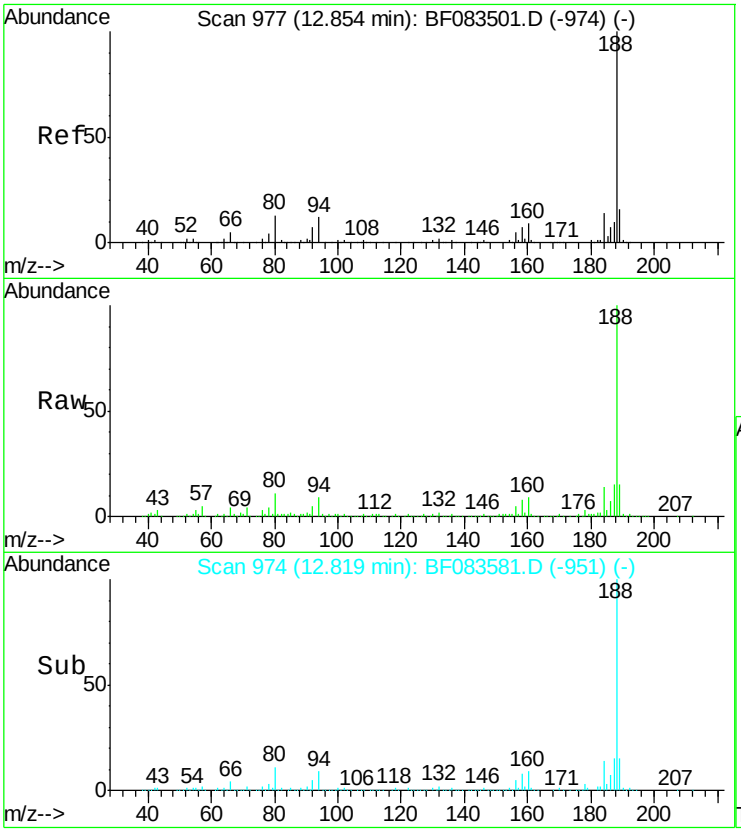


#57
Fluorene
Concen: 20.10 ng
RT: 11.30 min Scan# 841
Delta R.T. -0.06 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:166 Resp: 396379

Ion	Ratio	Lower	Upper
166	100		
165	97.2	80.0	120.0
167	13.4	10.6	16.0



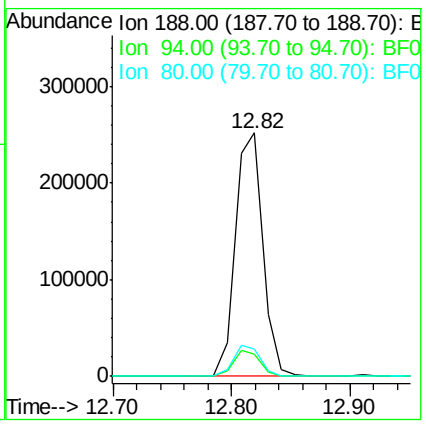


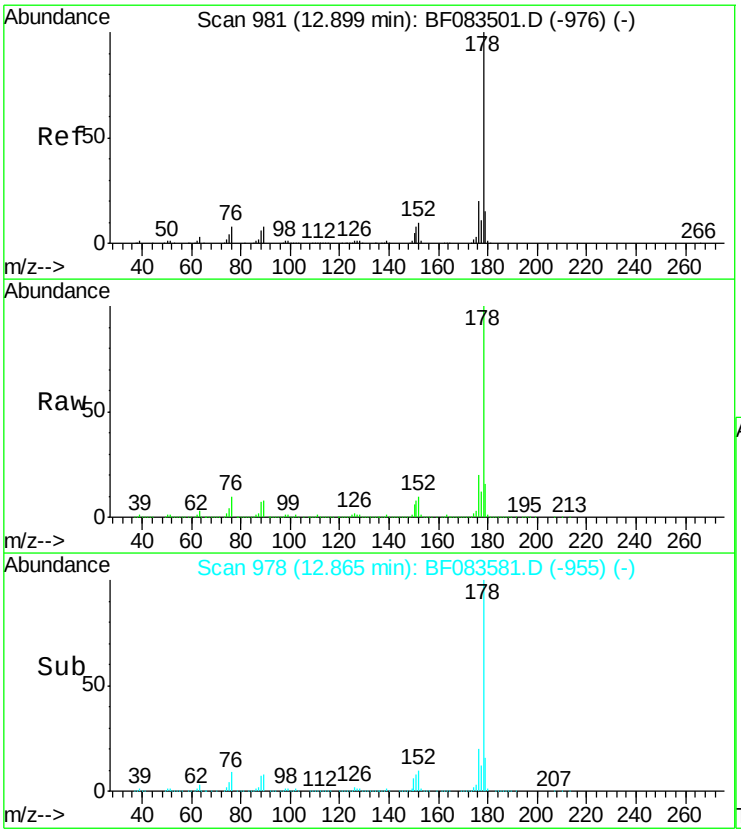
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion:188 Resp: 406783

Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.4	14.2#
80	11.0	10.6	16.0





#70
Phenanthrene
Concen: 112.16 ng
RT: 12.87 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF083581.D
Acq: 8 Dec 2015 4:43

Tgt Ion:178 Resp: 2655626

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.7	23.5
179	15.7	12.2	18.4