Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104559.D
Acq On : 17 Apr 2018 3:05
Operator : JU/SJ
Sample : J2360-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAA-WS-004

Quant Time: Apr 17 03:37:46 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 16 12:15:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	169236	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	680730	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	275427	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	406769	20.00	ng		0.00
75) Chrysene-d12	13.99	240	324565	20.00	ng		0.00
86) Perylene-d12	15.45	264	242379	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	1019976	92.16	ng		0.01
7) Phenol-d6	6.45	99	1251314	92.02	ng		0.00
23) Nitrobenzene-d5	7.37	82	784699	75.27	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	229244	80.24	ng		0.00
44) 2-Fluorobiphenyl	9.17	172	1276060	73.19	ng		0.00
78) Terphenyl-d14	12.93	244	925752	65.03	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.46	94	47599	3.299	ng		92
19) n-Nitroso-di-n-propylamine	7.37	70	102708	11.558	ng	#	73
25) Isophorone	7.37	82	784688	35.595	ng	#	64
49) Dimethylphthalate	9.56	163	188838	8.694	ng		100
56) 2,4-Dinitrotoluene	9.85	165	35126	6.663	ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.65	198	329	7.488	ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	14308	3.307	ng	#	1
76) Benzidine	12.93	184	11792	Below Cal		#	93

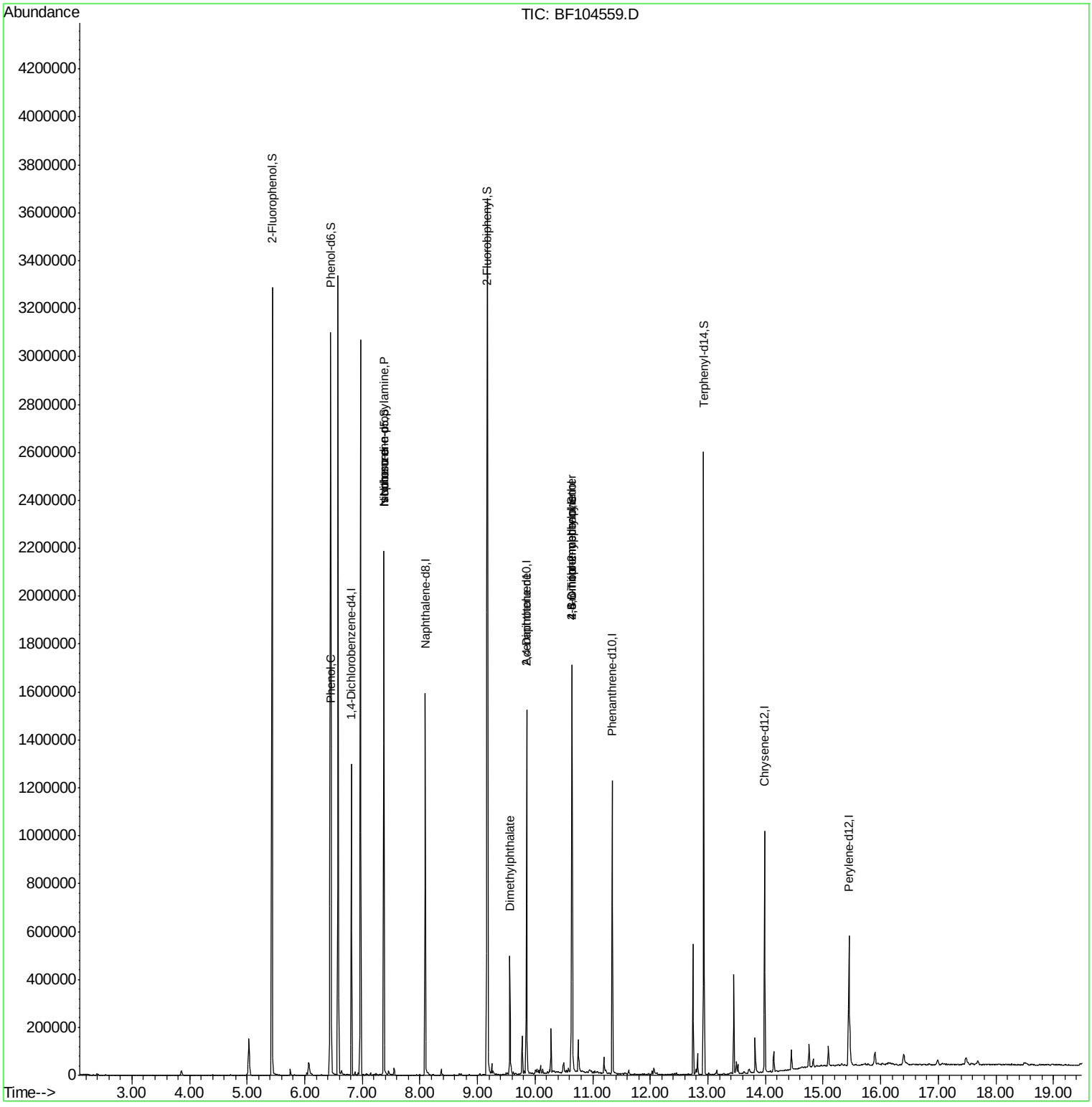
(#) = qualifier out of range (m) = manual integration (+) = signals summed

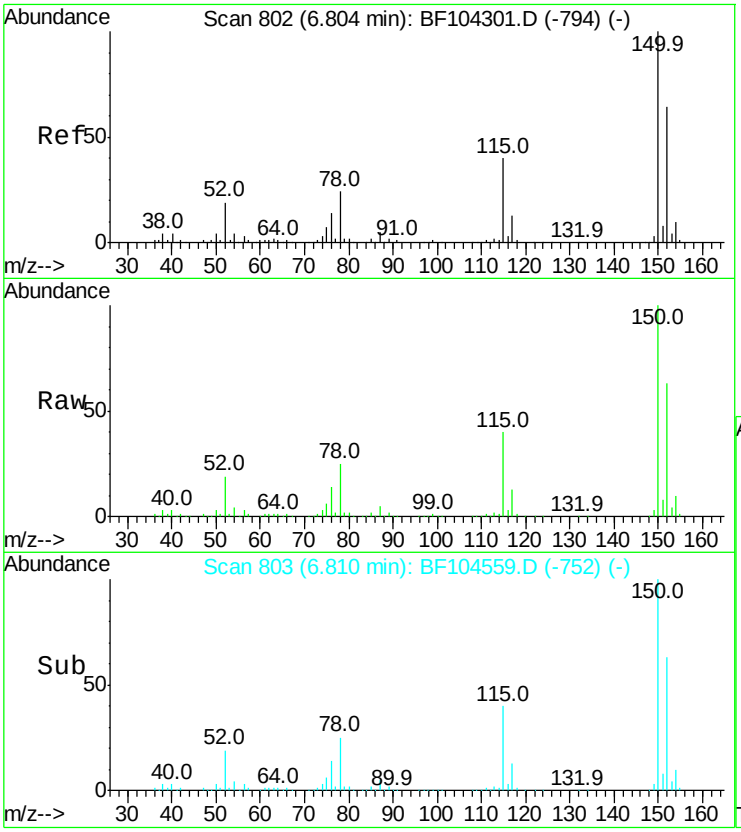
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104559.D
Acq On : 17 Apr 2018 3:05
Operator : JU/SJ
Sample : J2360-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Quant Time: Apr 17 03:37:46 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 16 12:15:25 2018
Response via : Initial Calibration



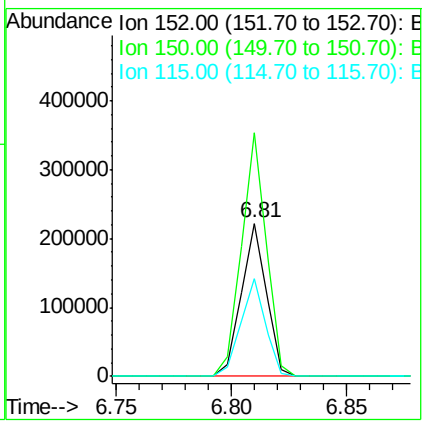


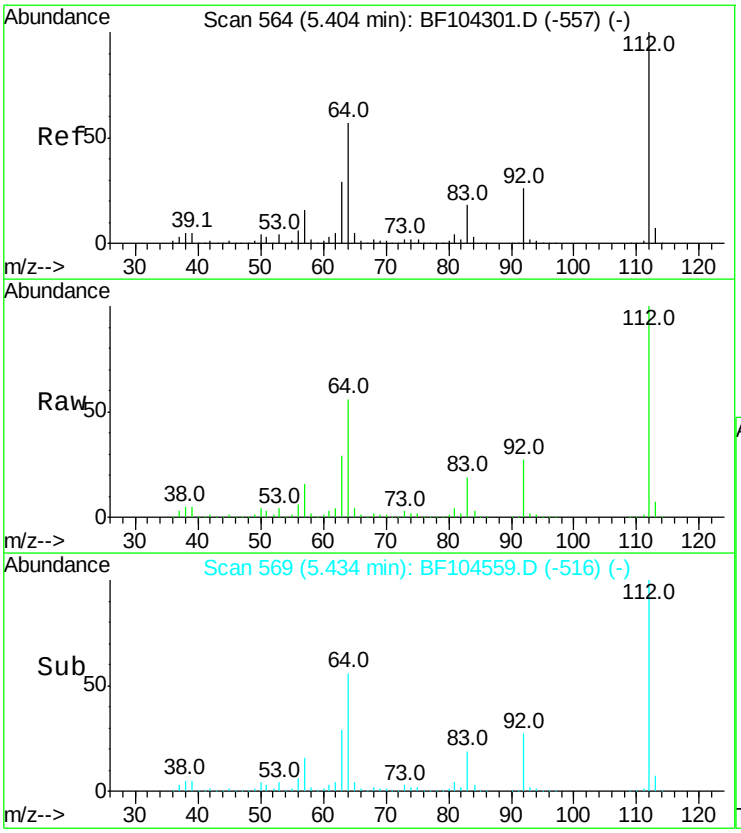
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:152 Resp: 169236

Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	63.5	50.1	75.1

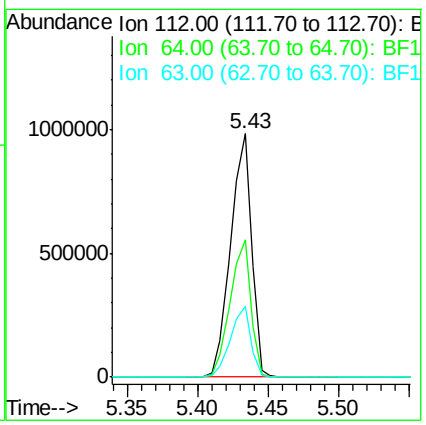


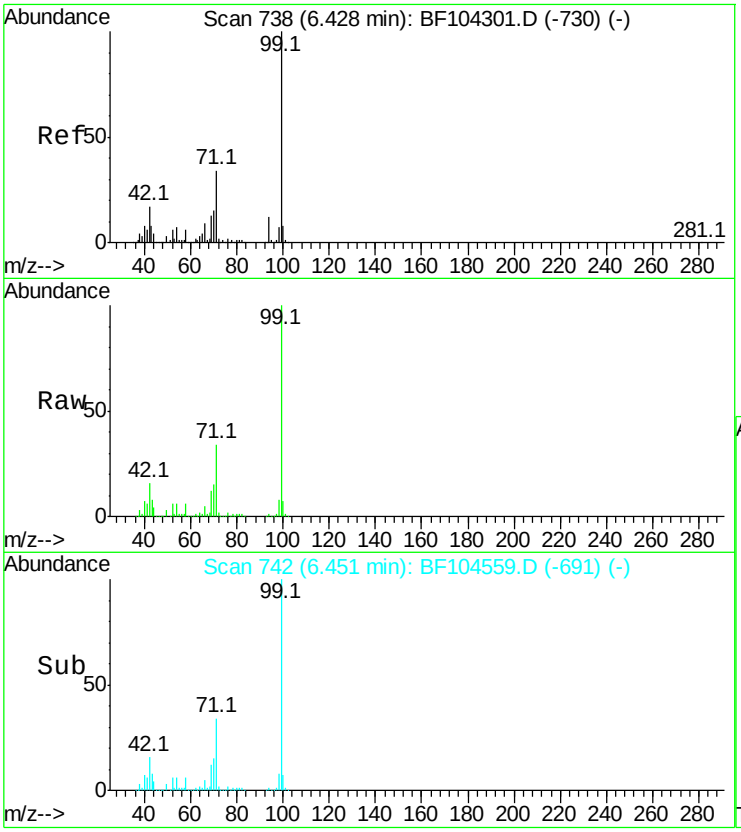


#5
2-Fluorophenol
Concen: 92.155 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:112 Resp: 1019976

Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.9	23.7	35.5



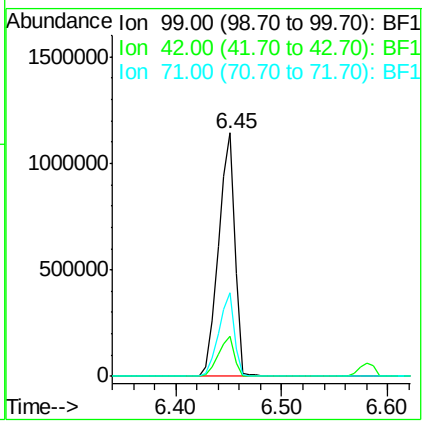


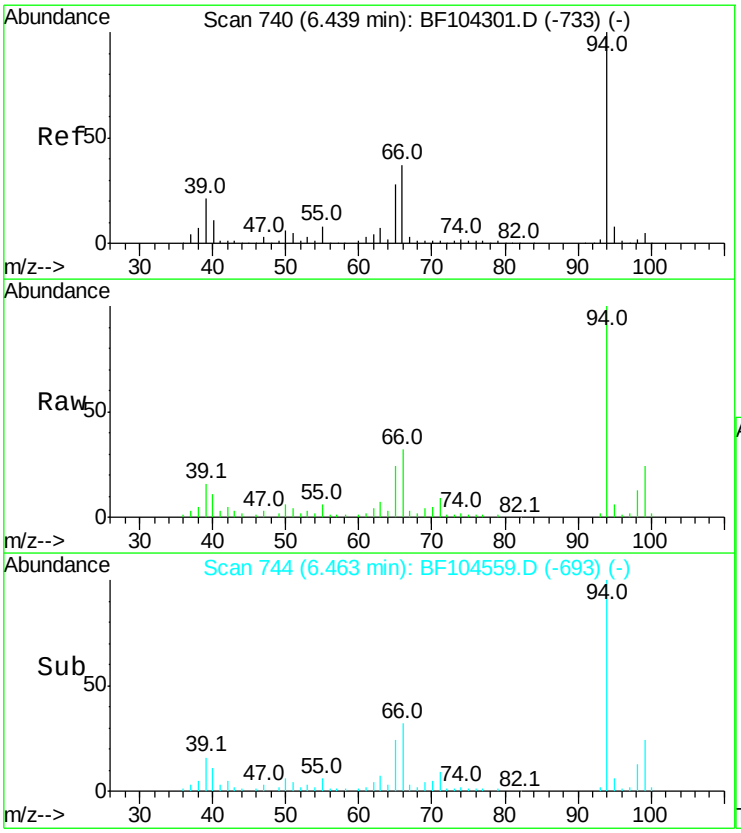
#7
Phenol-d6
Concen: 92.015 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion: 99 Resp: 1251314

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	34.3	25.4	38.0

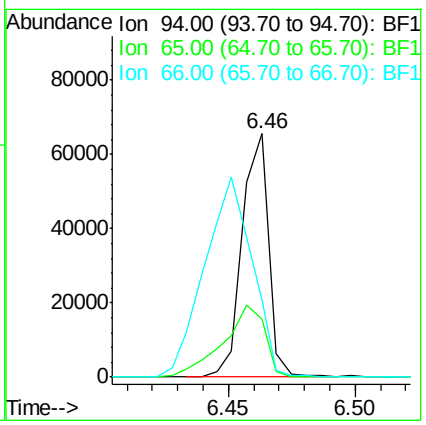


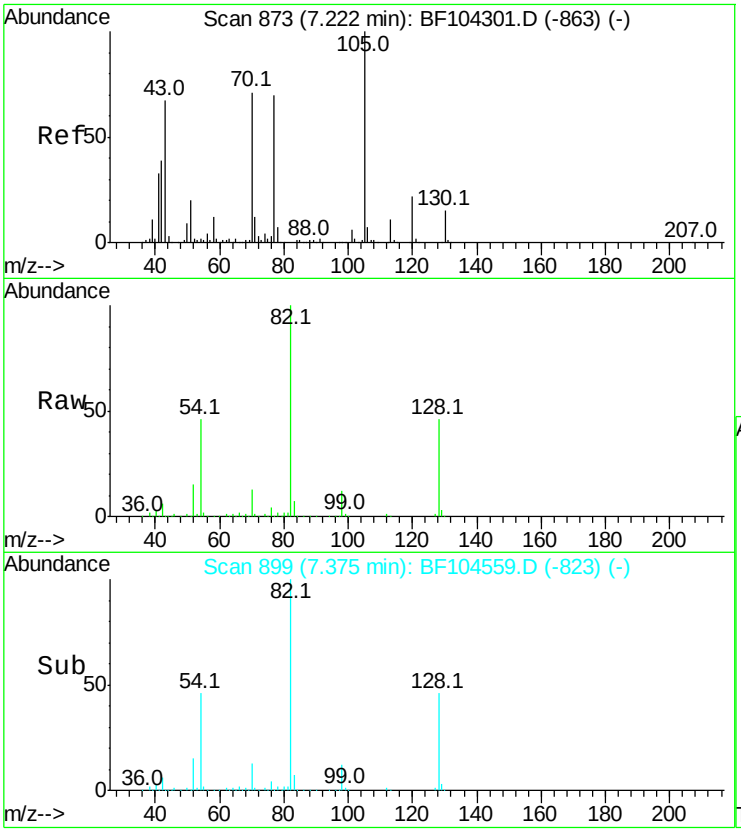


#10
Phenol
Concen: 3.299 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion: 94 Resp: 47599

Ion	Ratio	Lower	Upper
94	100		
65	23.8	7.9	47.9
66	31.9	16.2	56.2



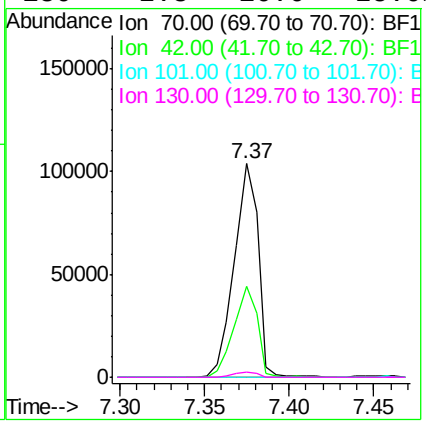


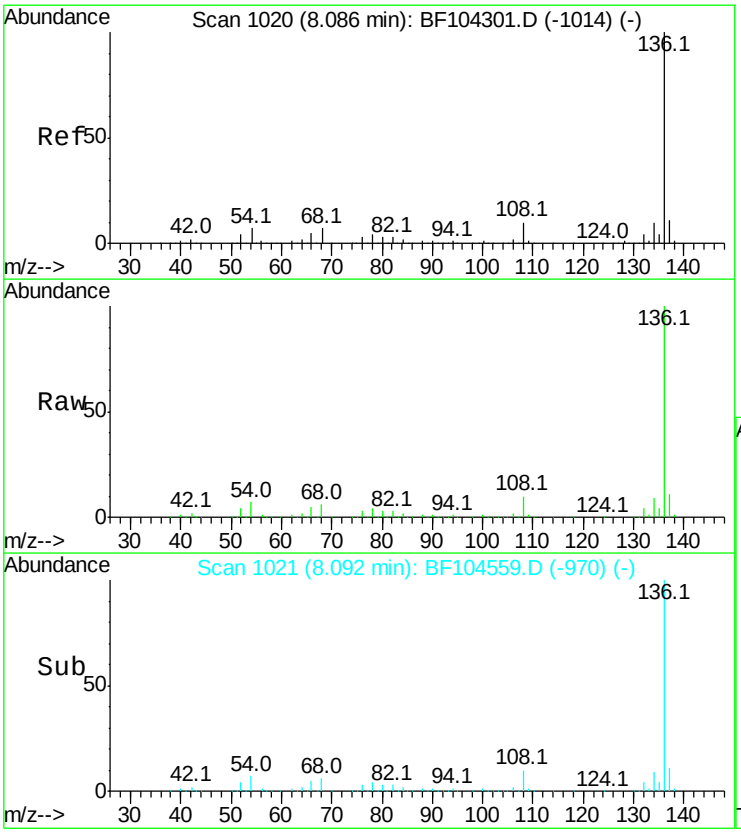
#19
n-Nitroso-di-n-propylamine
Concen: 11.558 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion: 70 Resp: 102708

Ion	Ratio	Lower	Upper
70	100		
42	42.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

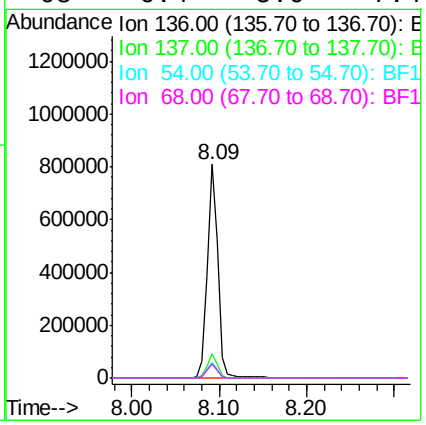


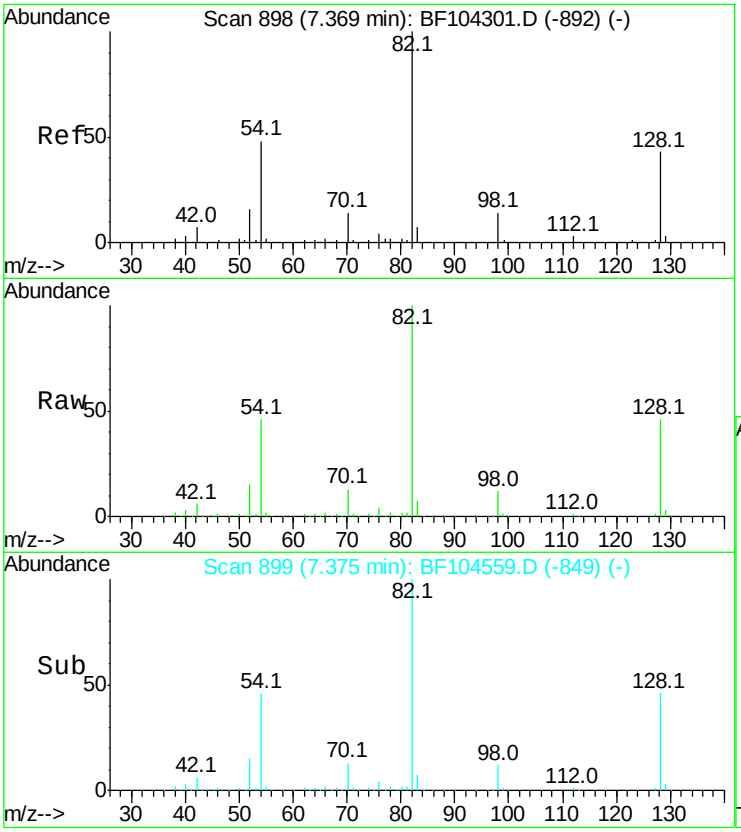


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:136 Resp: 680730

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.1	6.6	9.8
68	6.4	5.0	7.4



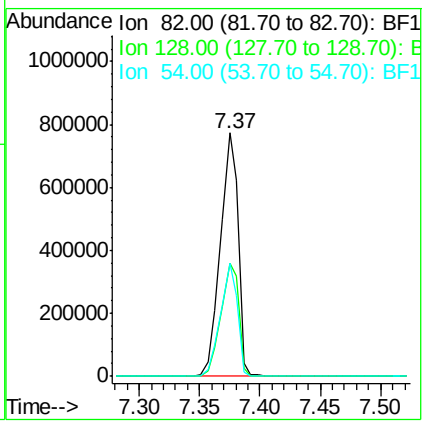


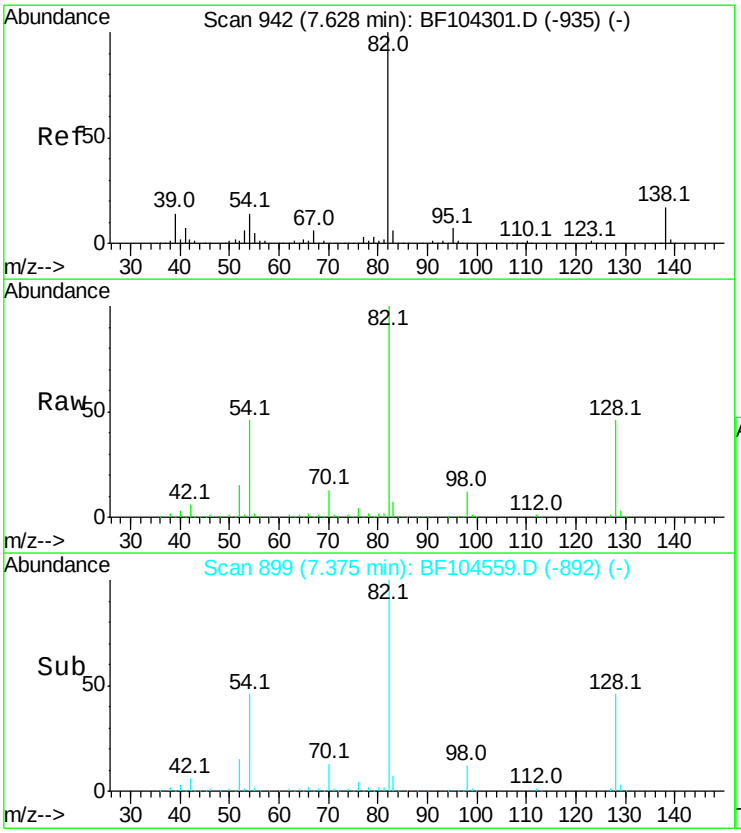
#23
Nitrobenzene-d5
Concen: 75.271 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion: 82 Resp: 784699

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	46.2	41.4	62.2

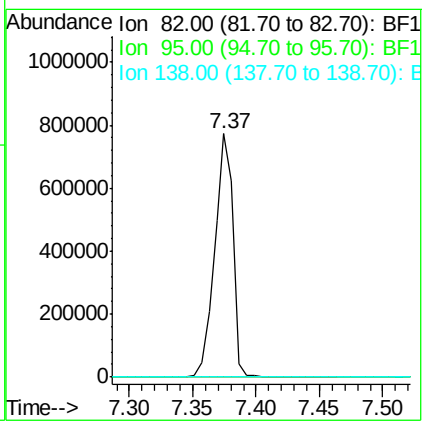


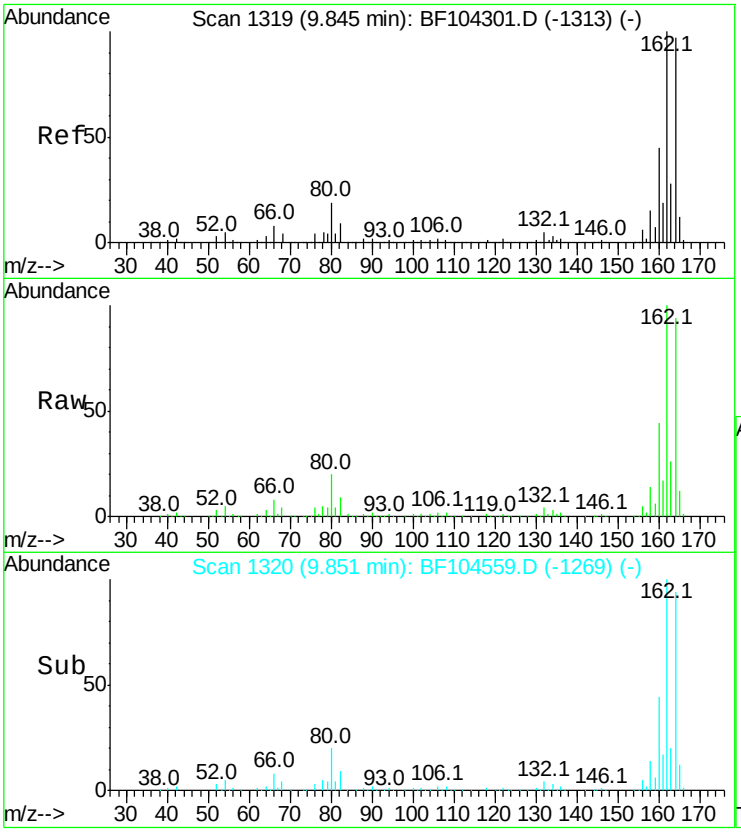


#25
Isophorone
Concen: 35.595 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion: 82 Resp: 784688

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



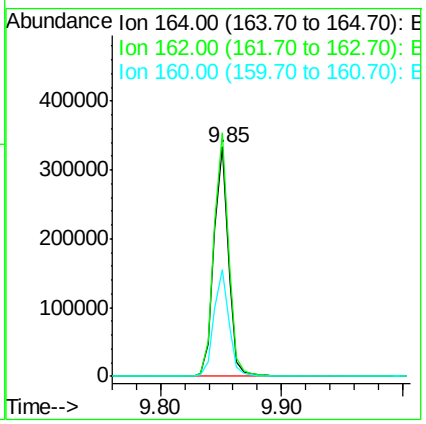


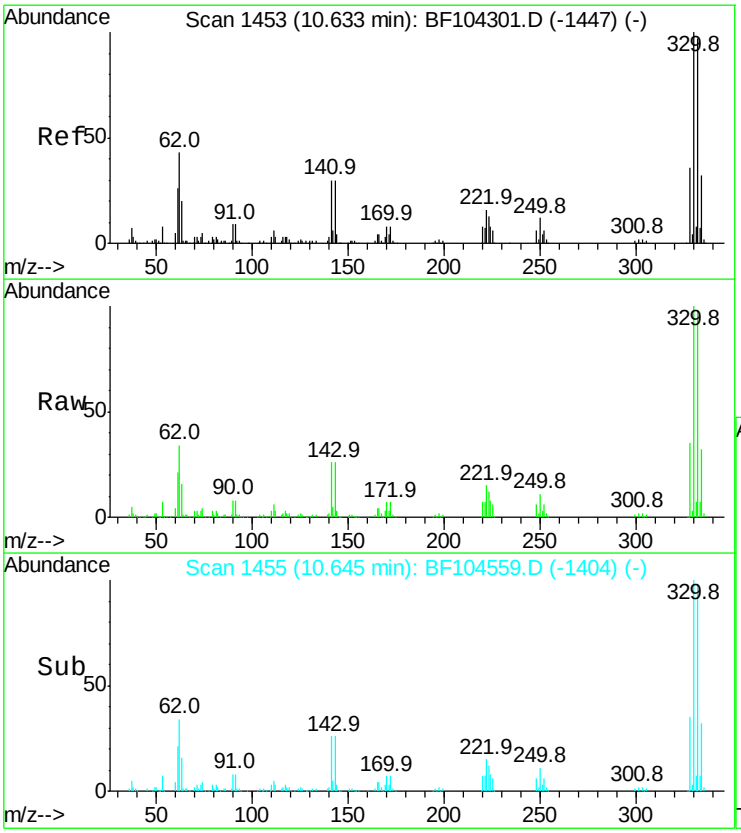
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:164 Resp: 275427

Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	46.6	38.3	57.5

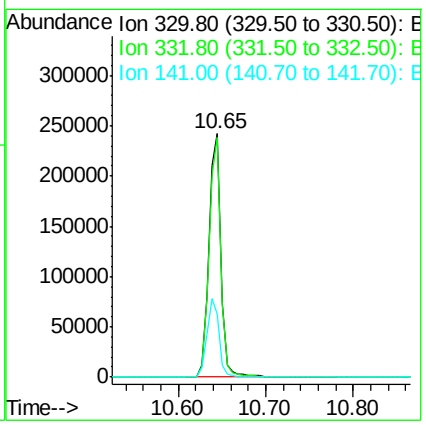


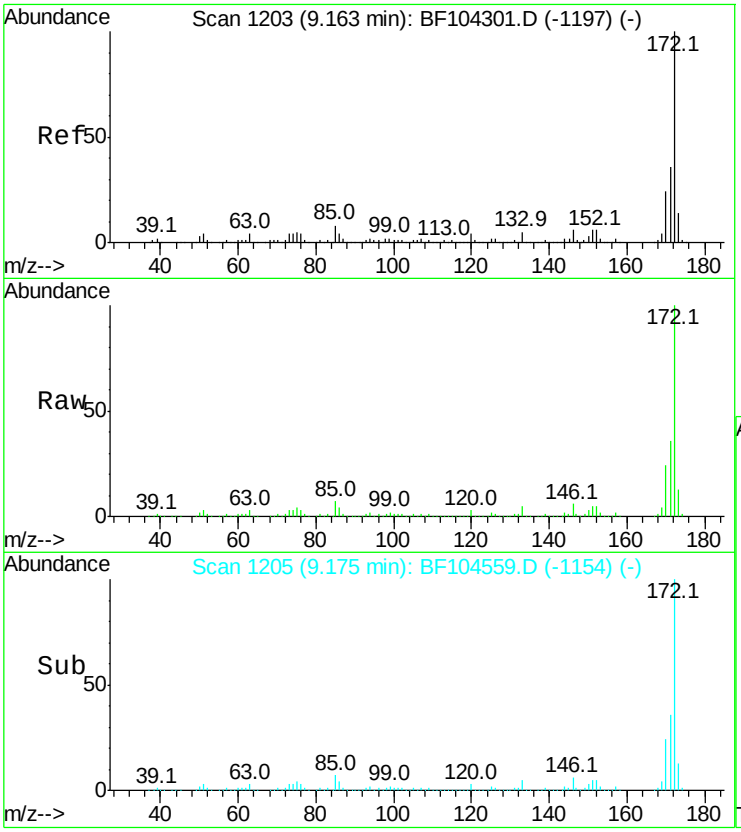


#41
2,4,6-Tribromophenol
Concen: 80.237 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:330 Resp: 229244

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	32.7	29.9	44.9



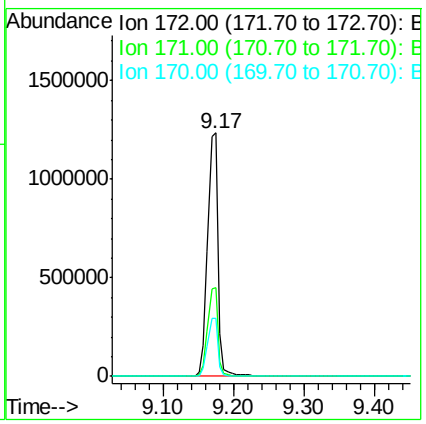


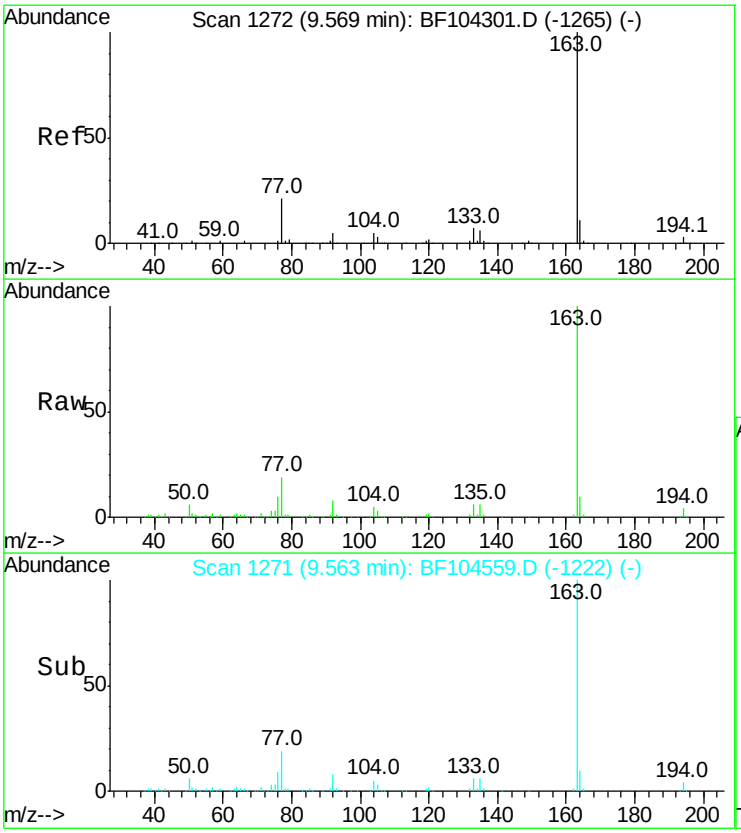
#44
2-Fluorobiphenyl
Concen: 73.190 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:172 Resp: 1276060

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4

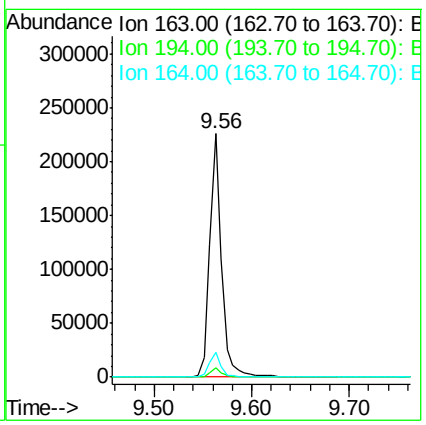


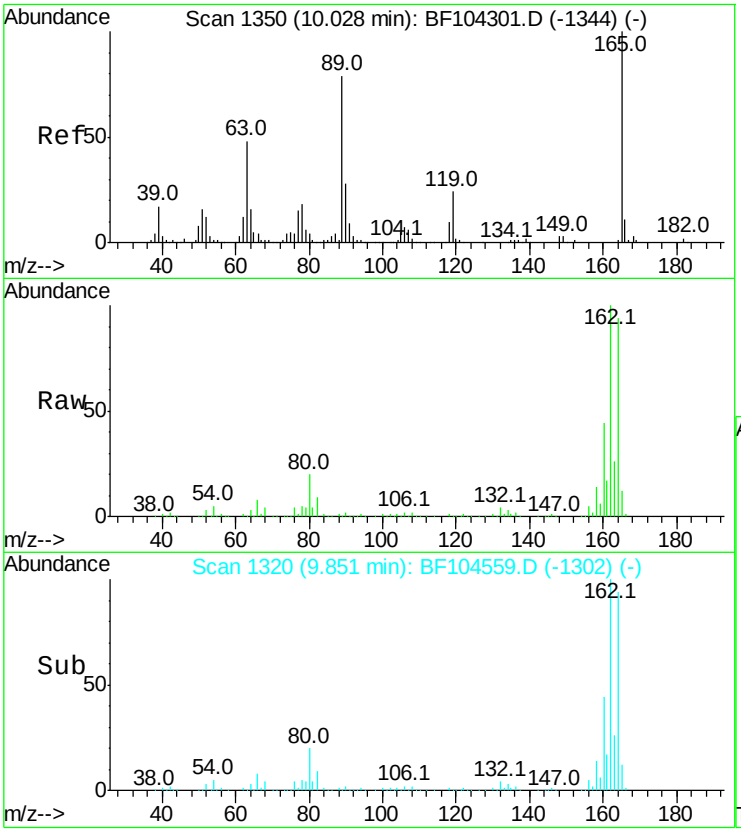


#49
Dimethylphthalate
Concen: 8.694 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:163 Resp: 188838

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.1	8.2	12.2



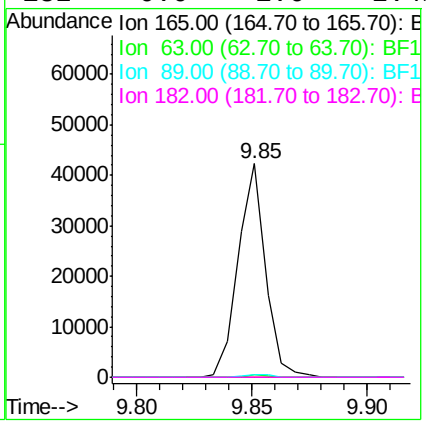


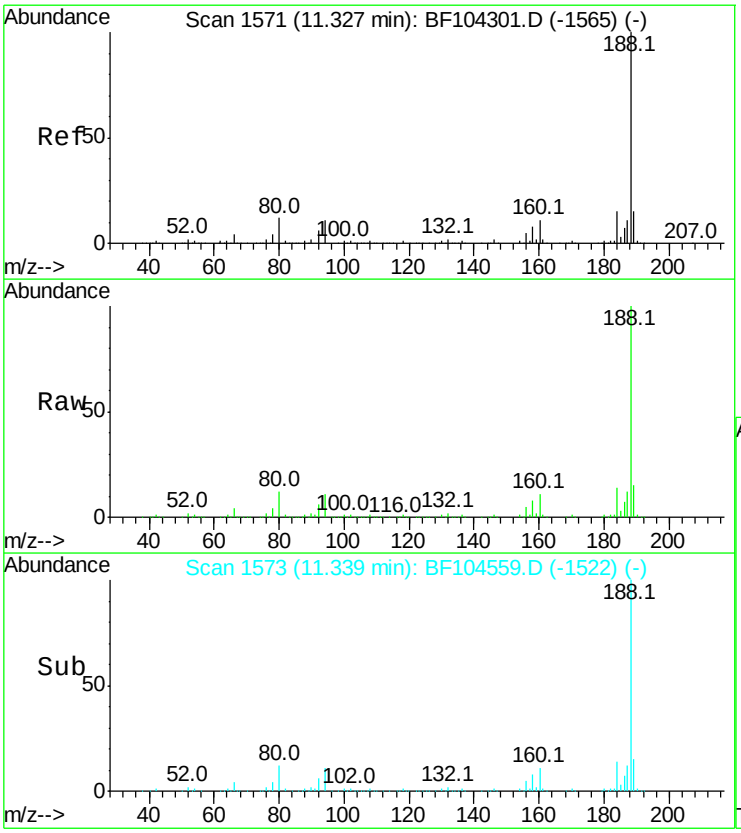
#56
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:165 Resp: 35126

Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

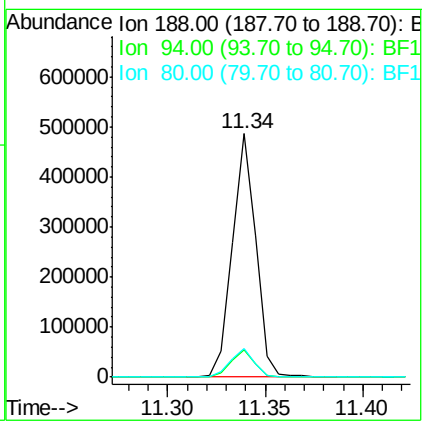


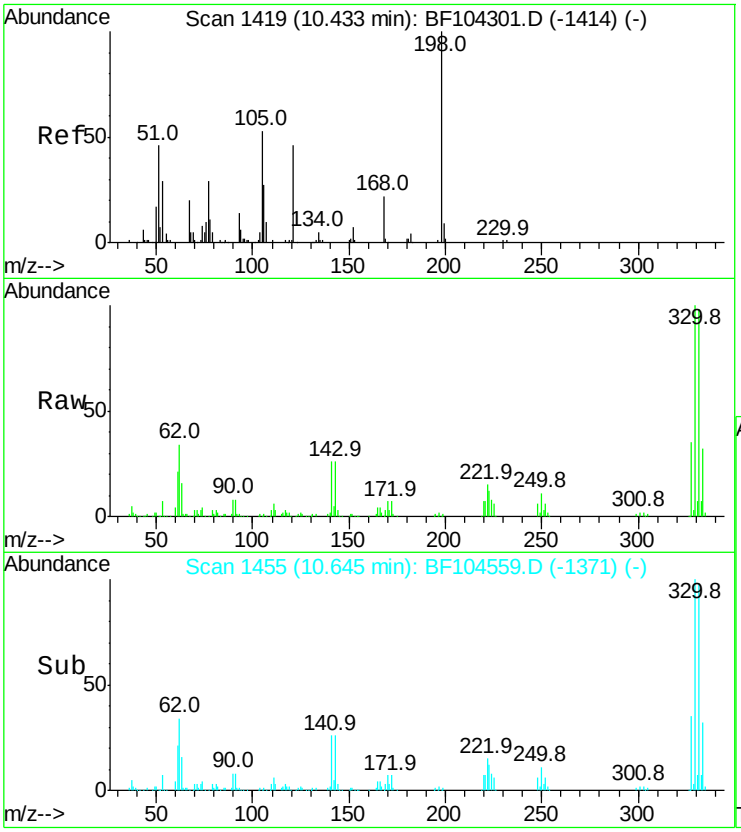


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:188 Resp: 406769

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.7	9.2	13.8



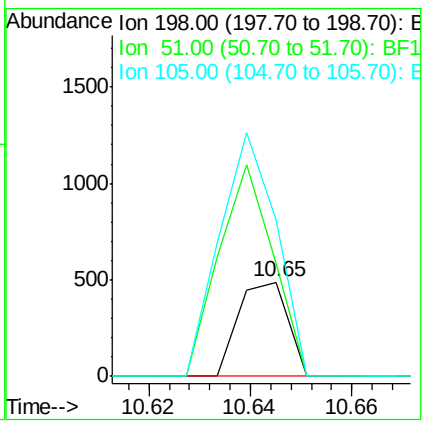


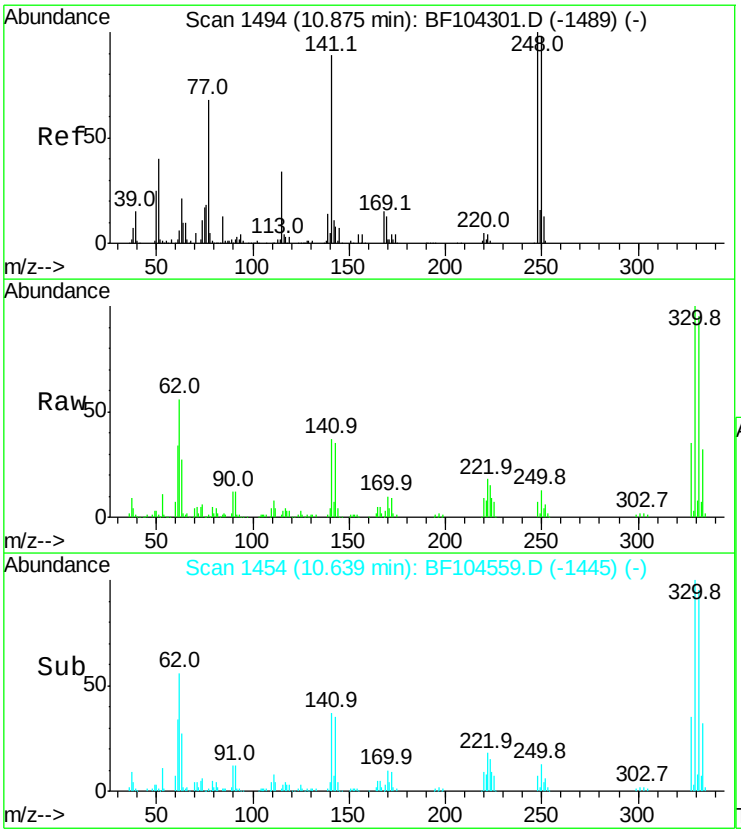
#64
4,6-Dinitro-2-methylphenol
Concen: 7.488 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.19 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:198 Resp: 329

Ion	Ratio	Lower	Upper
198	100		
51	119.7	37.7	77.7#
105	166.3	36.3	76.3#

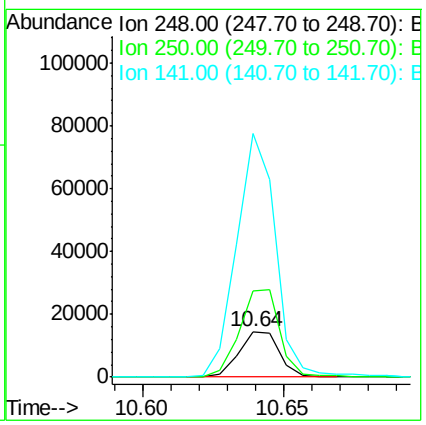


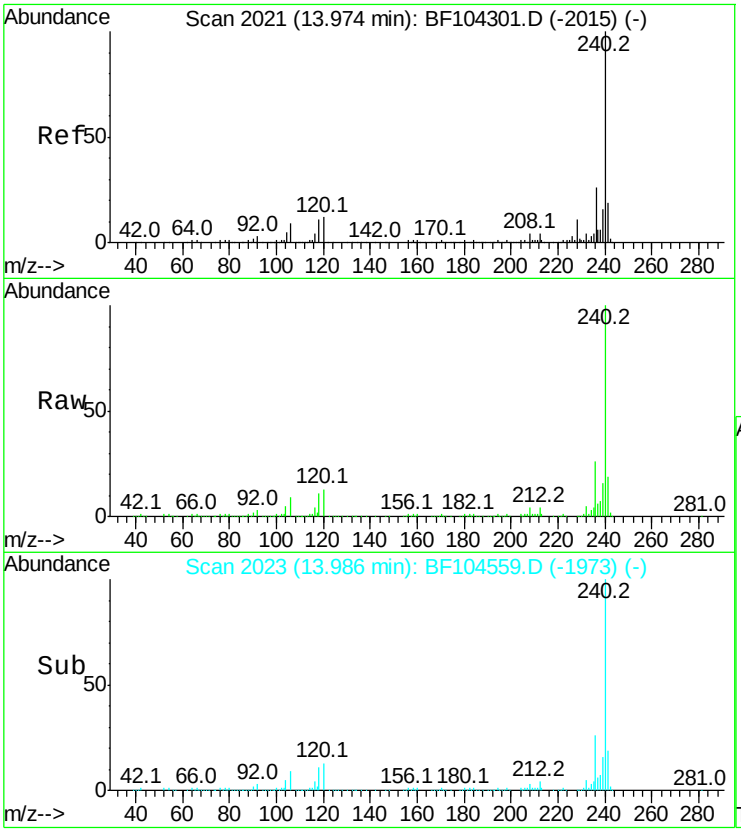


#66
4-Bromophenyl-phenylether
Concen: 3.307 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:248 Resp: 14308

Ion	Ratio	Lower	Upper
248	100		
250	189.8	76.9	115.3#
141	535.0	74.4	111.6#



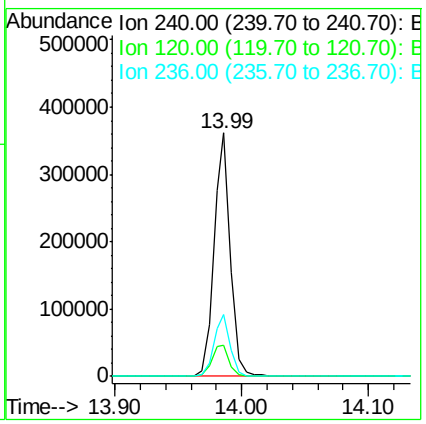


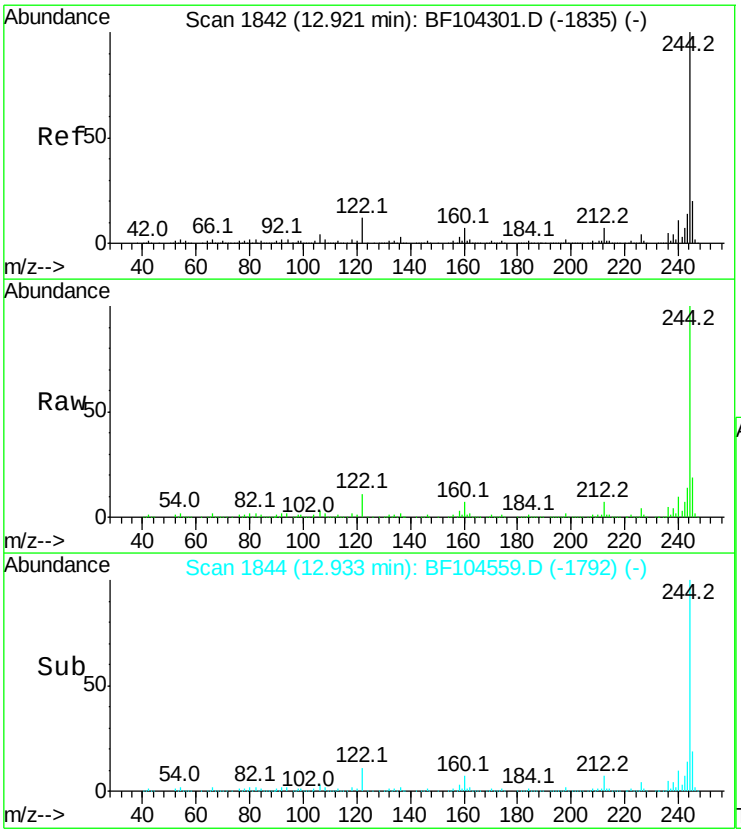
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:240 Resp: 324565

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	25.6	20.7	31.1

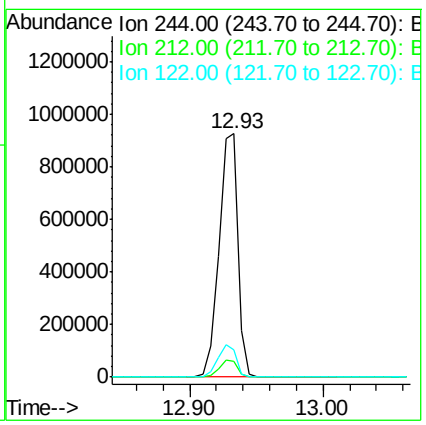


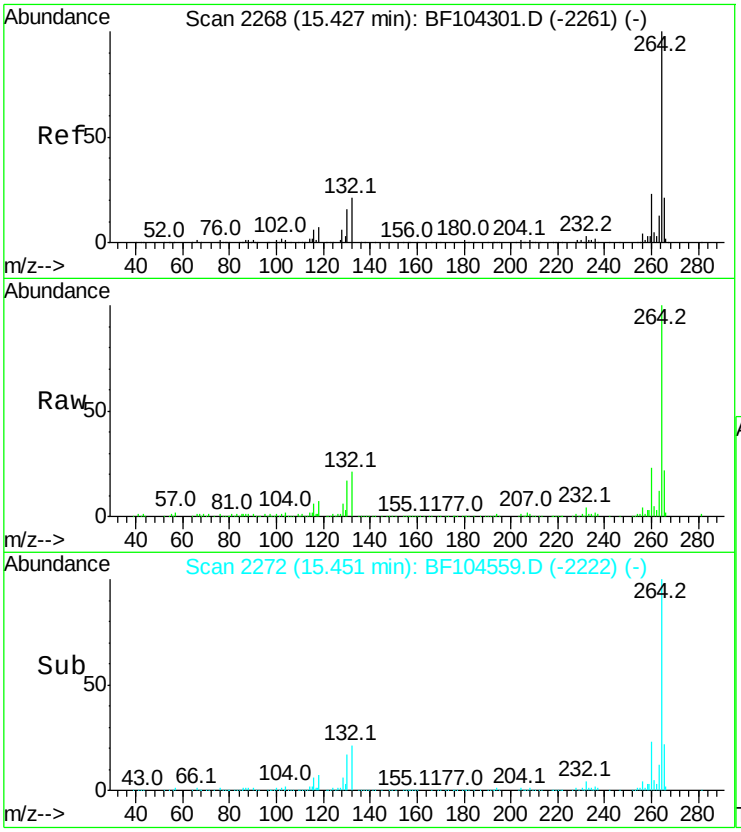


#78
Terphenyl-d14
Concen: 65.027 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:244 Resp: 925752

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tgt Ion:264 Resp: 242379

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.5	26.3