Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104421.D
Acq On : 10 Apr 2018 21:39
Operator : JU/SJ
Sample : J2270-01DL 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 11 00:56:57 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 10 12:04:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	124640	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	475279	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	179252	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	274547	20.00	ng	0.00
75) Chrysene-d12	13.98	240	257291	20.00	ng	0.00
86) Perylene-d12	15.44	264	186033	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	442297	54.26	ng	0.00
7) Phenol-d6	6.43	99	530160	52.93	ng	-0.01
23) Nitrobenzene-d5	7.37	82	308113	42.33	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	86798	46.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	447300	39.42	ng	0.00
78) Terphenyl-d14	12.92	244	347675	30.81	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.36	77	351	Below Cal	#	36
19) n-Nitroso-di-n-propylamine	7.37	70	39407	6.021	ng	# 73
25) Isophorone	7.37	82	308109	20.018	ng	# 64
31) Naphthalene	8.11	128	49690	2.100	ng	97
48) Acenaphthylene	9.70	152	45153	2.420	ng	99
49) Dimethylphthalate	9.56	163	58491	4.138	ng	99
50) 2,6-Dinitrotoluene	9.85	165	24453	9.349	ng	# 26
51) Acenaphthene	9.87	154	40592	3.565	ng	98
57) Fluorene	10.39	166	55445	4.801	ng	99
64) 4,6-Dinitro-2-methylphenol	10.63	198	107	7.415	ng	# 1
70) Phenanthrene	11.36	178	653898	42.768	ng	100
71) Anthracene	11.41	178	178850	11.508	ng	98
72) Carbazole	11.56	167	60091	3.957	ng	98
74) Fluoranthene	12.55	202	1133457	70.955	ng	100
76) Benzidine	12.65	184	823	Below Cal	#	21
77) Pyrene	12.79	202	1096024	57.470	ng	100
80) Benzo(a)anthracene	13.97	228	635417	41.339	ng	97
82) Chrysene	14.01	228	578559	36.645	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	36008	2.685	ng	98
87) Benzo(b)fluoranthene	15.03	252	760488	64.725	ng	96
88) Benzo(k)fluoranthene	15.03	252	760488	68.558	ng	99
89) Benzo(a)pyrene	15.39	252	360499	34.291	ng	98
90) Dibenzo(a,h)anthracene	16.90	278	51831	6.003	ng	96
91) Benzo(g,h,i)perylene	17.33	276	178103	21.291	ng	95

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 10 12:04:31 2018
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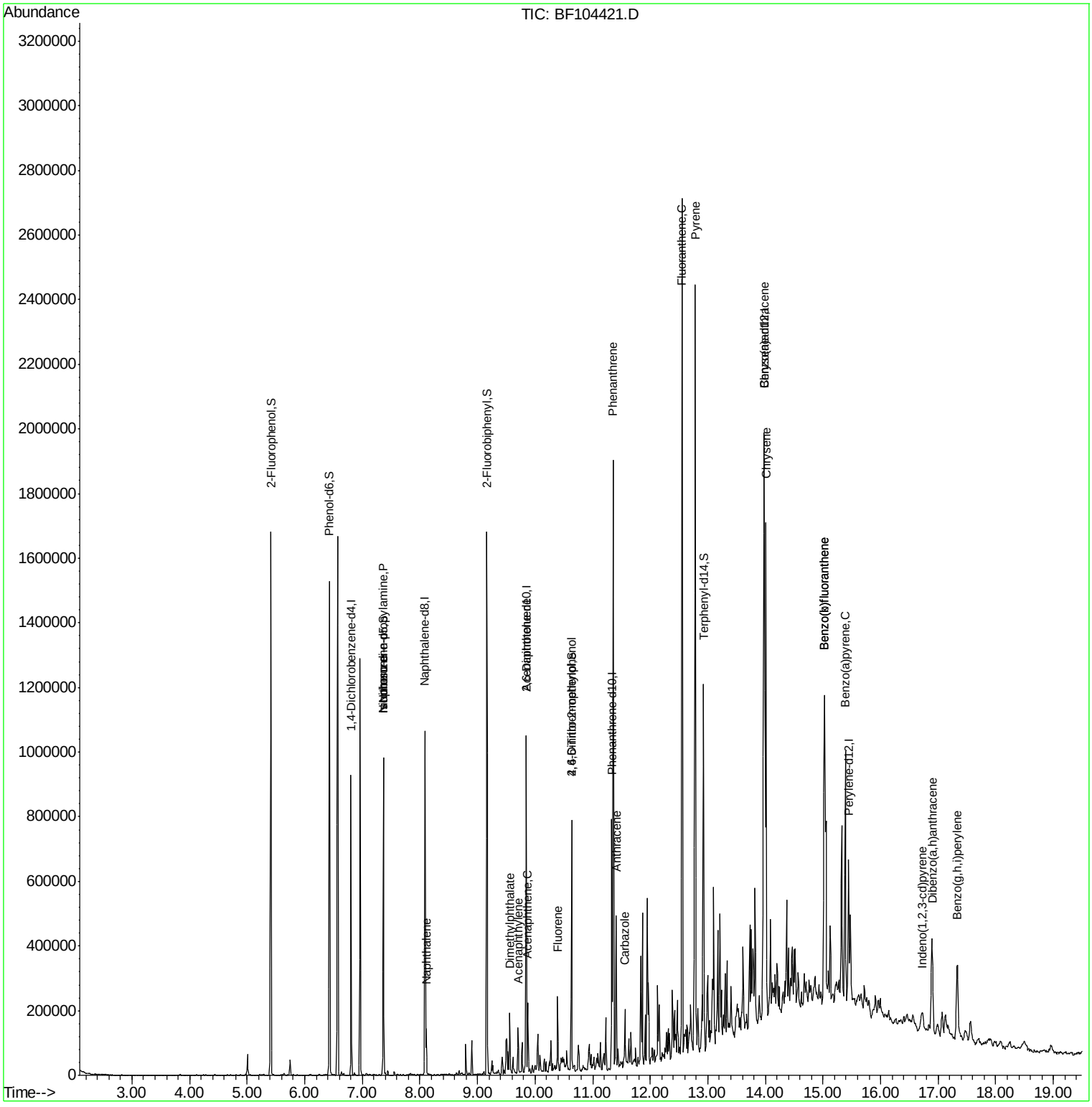
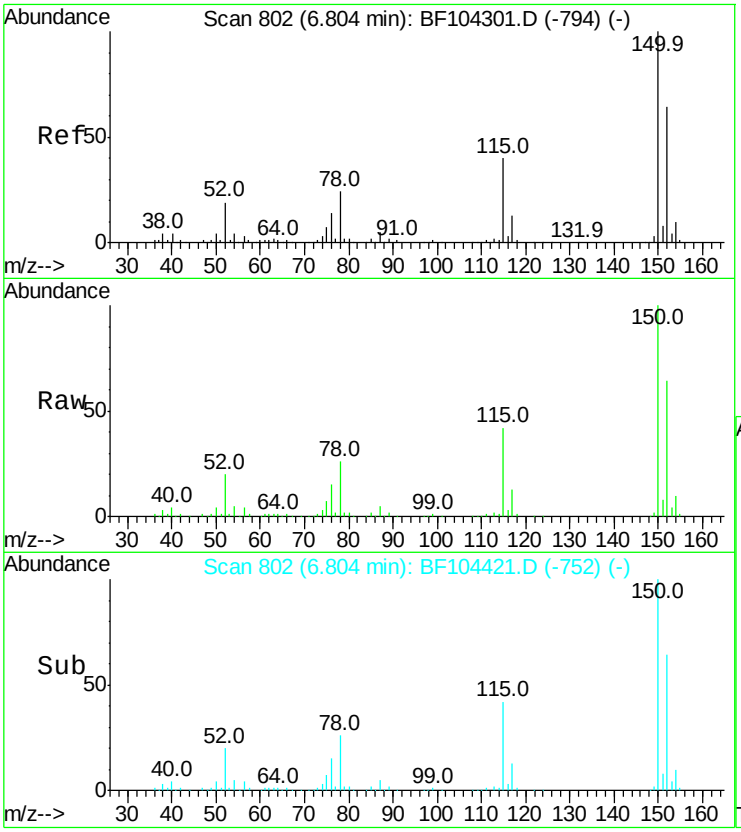


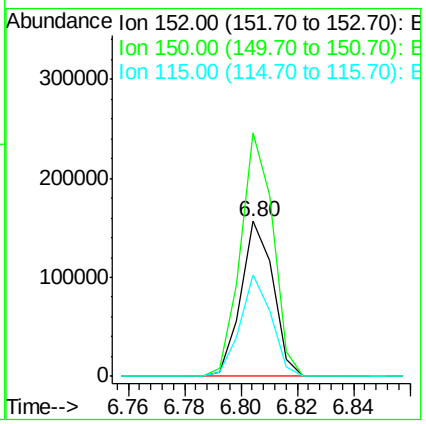


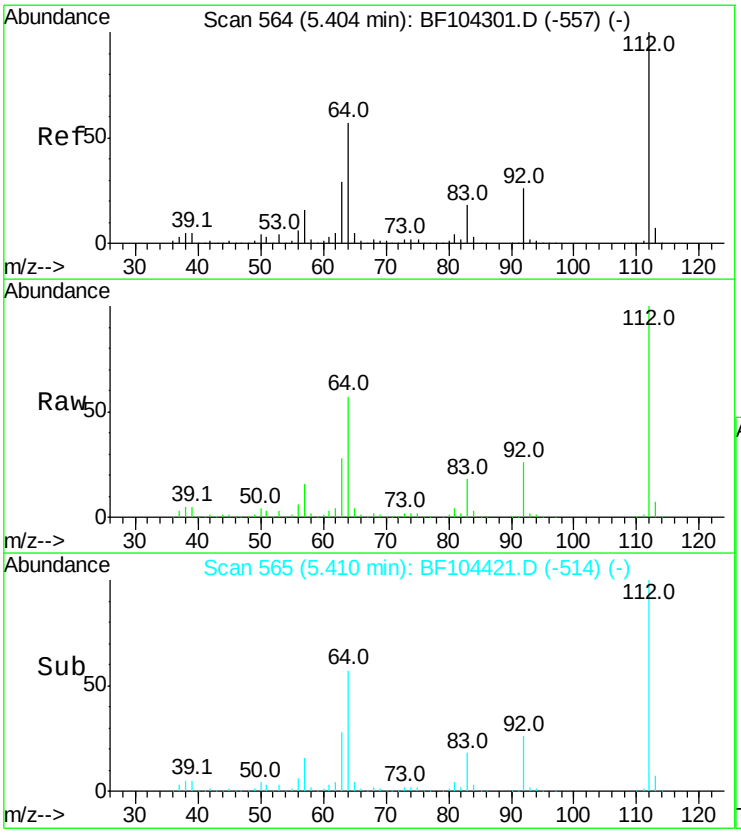
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 124640

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	65.6	50.1	75.1

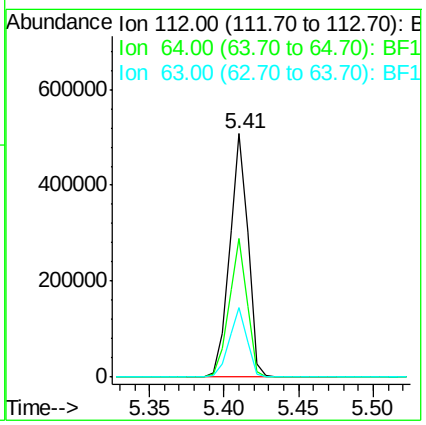


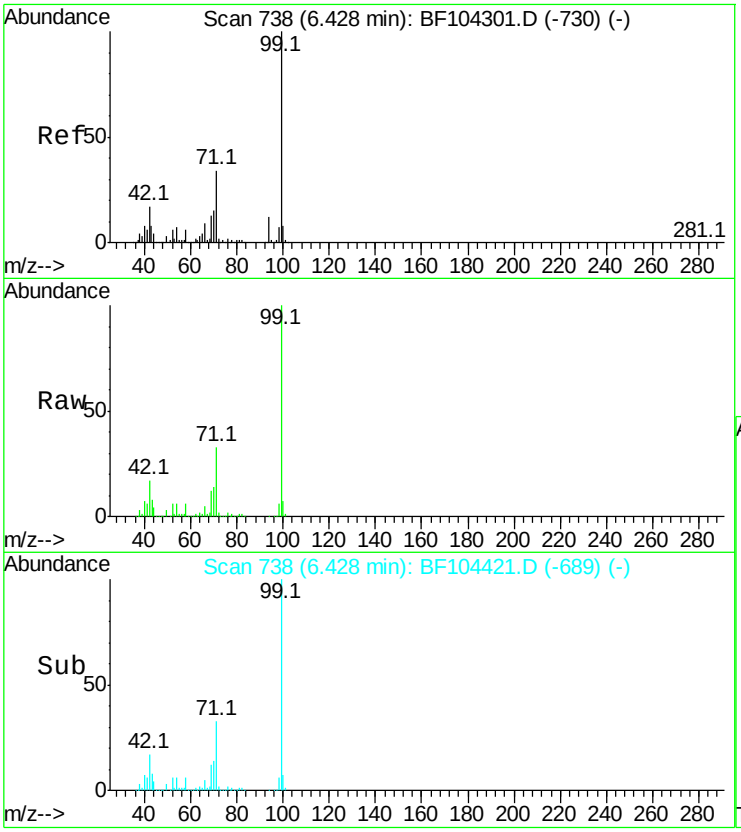


#5
2-Fluorophenol
Concen: 54.260 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:112 Resp: 442297

Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.4	23.7	35.5



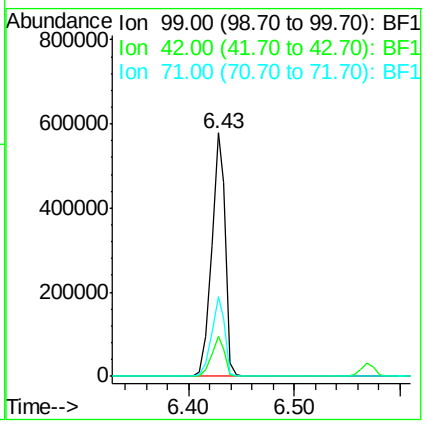


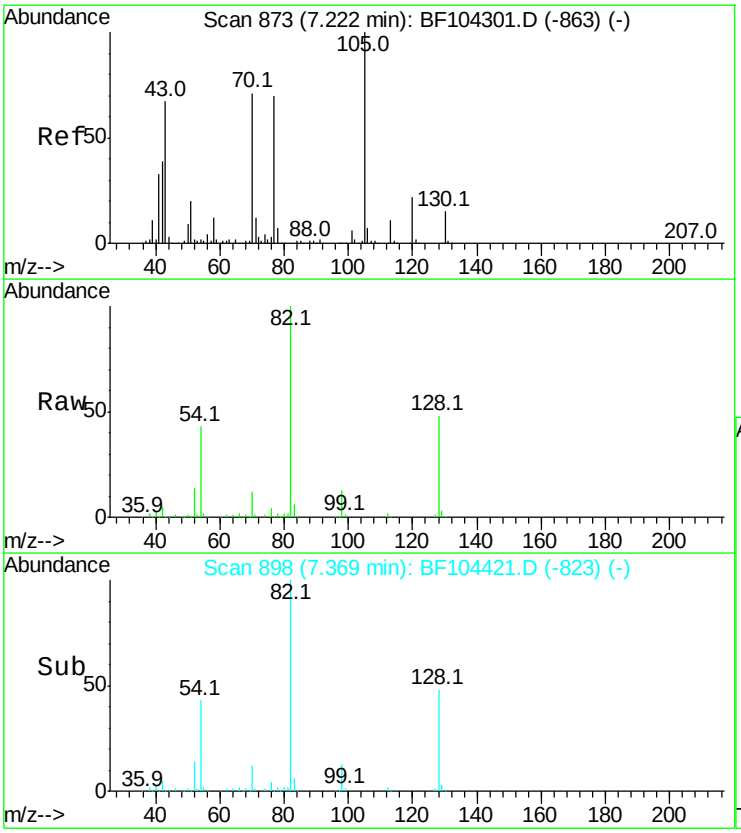
#7
Phenol-d6
Concen: 52.934 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 530160

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	32.6	25.4	38.0

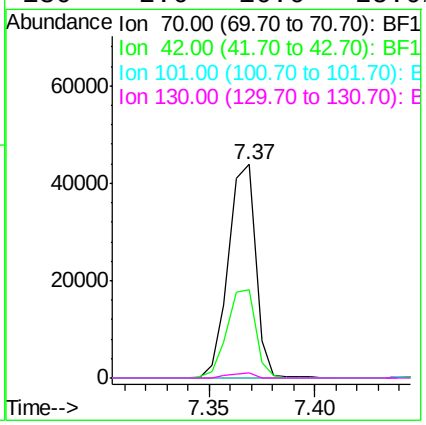


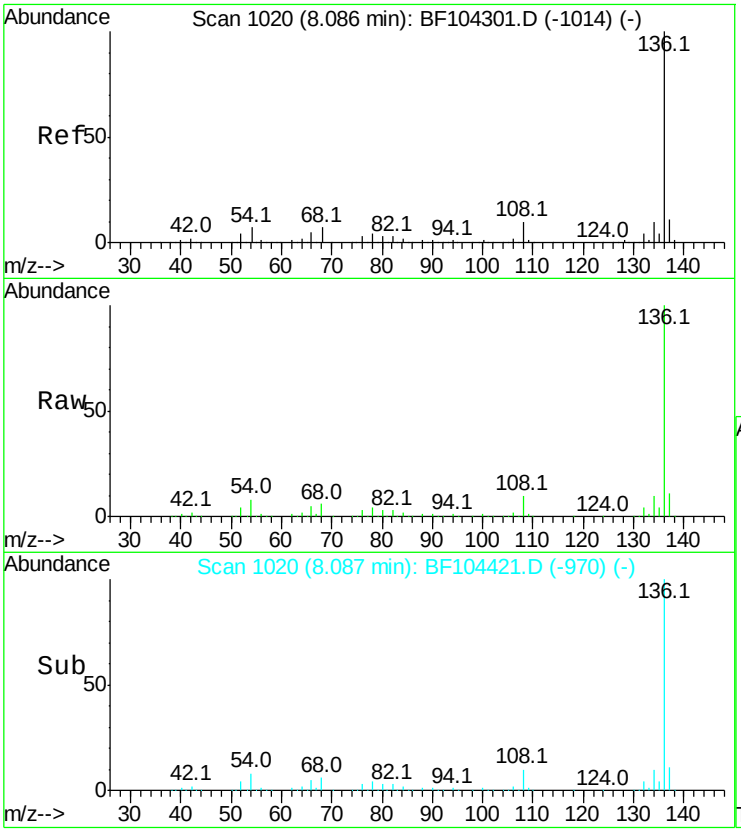


#19
n-Nitroso-di-n-propylamine
Concen: 6.021 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion: 70 Resp: 39407

Ion	Ratio	Lower	Upper
70	100		
42	41.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#



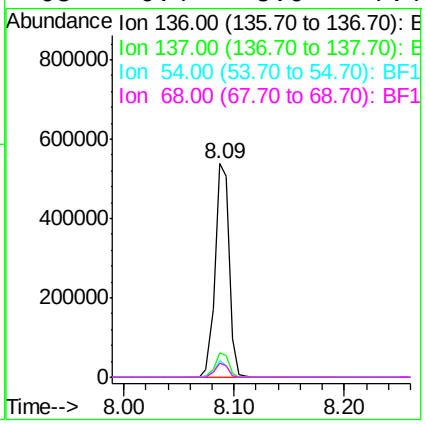


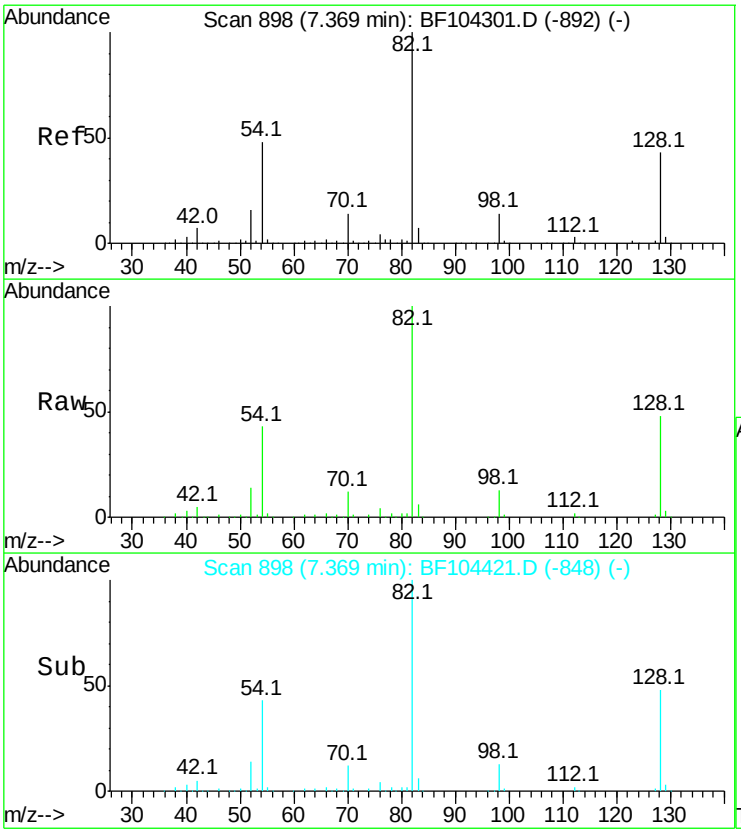
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 475279

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.7	6.6	9.8
68	6.4	5.0	7.4

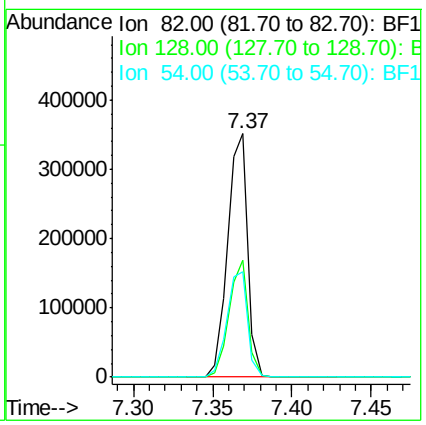


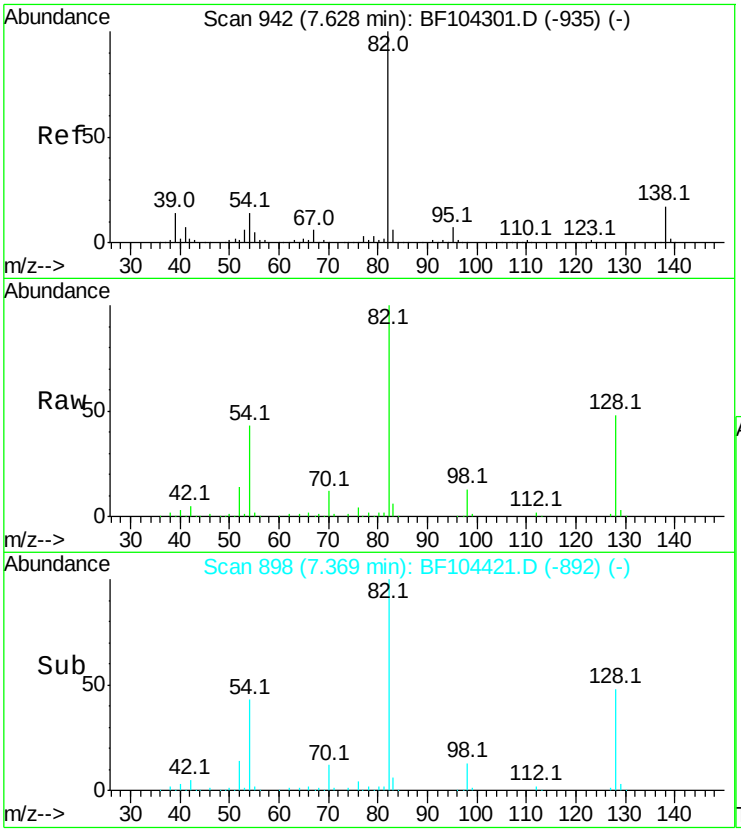


#23
Nitrobenzene-d5
Concen: 42.331 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion: 82 Resp: 308113

Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	43.2	41.4	62.2



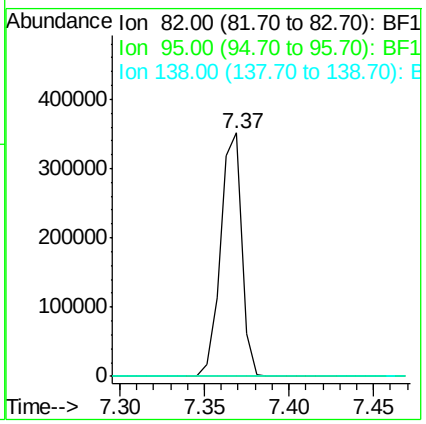


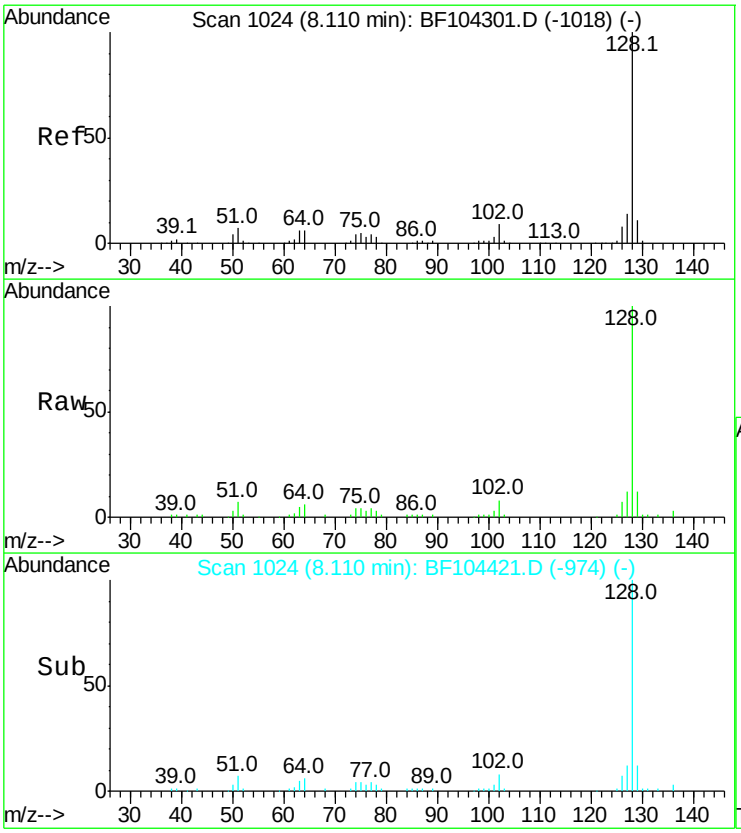
#25
Isophorone
Concen: 20.018 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 308109

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

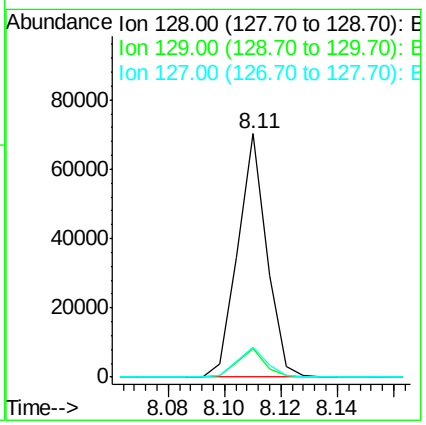


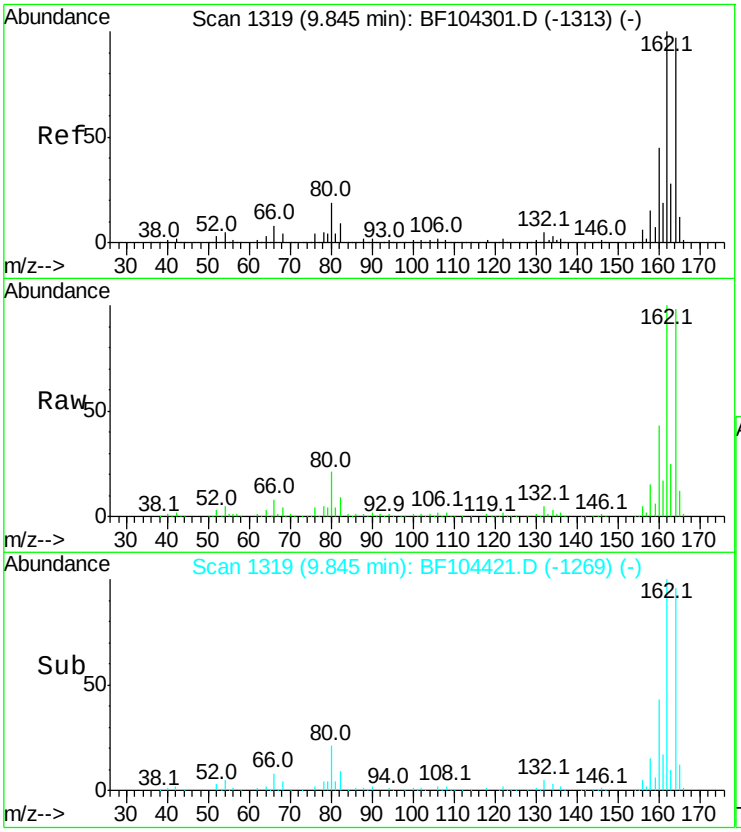


#31
Naphthalene
Concen: 2.100 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:128 Resp: 49690

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	12.3	10.9	16.3



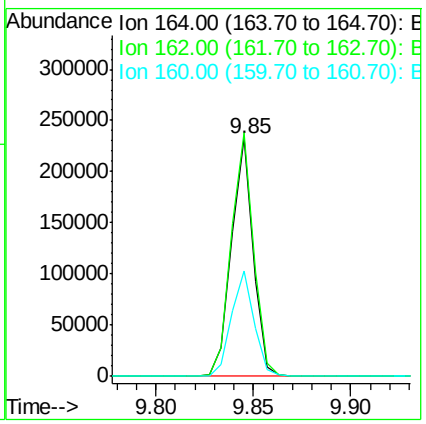


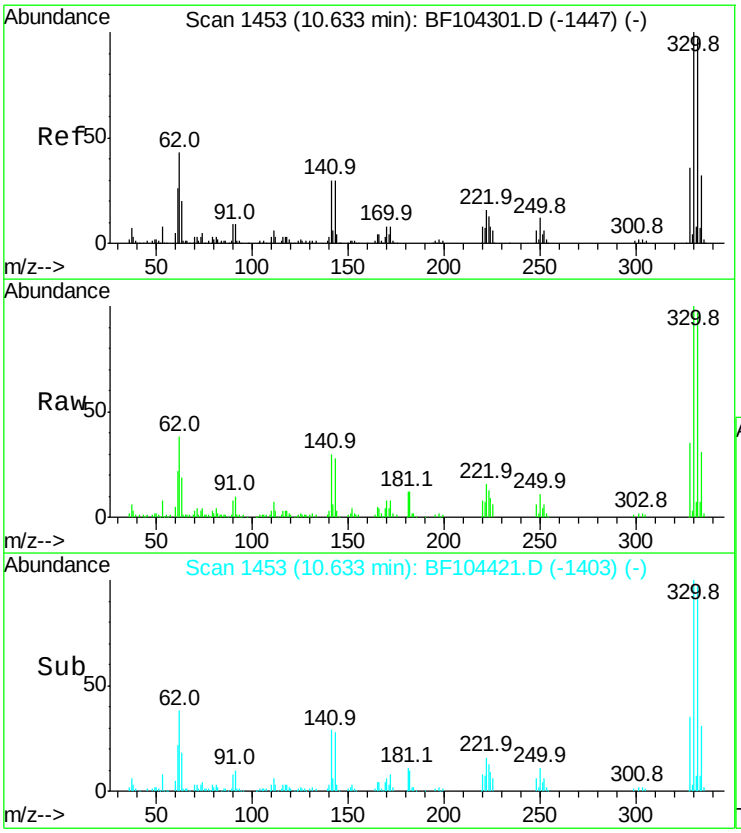
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 179252

Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	44.4	38.3	57.5

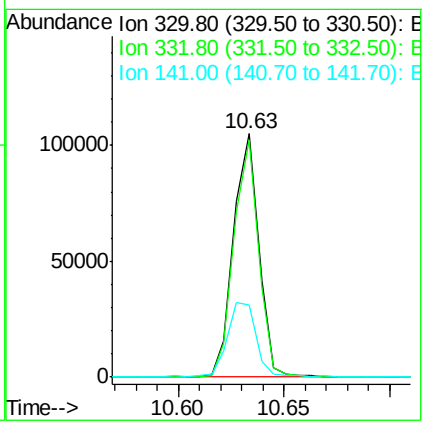


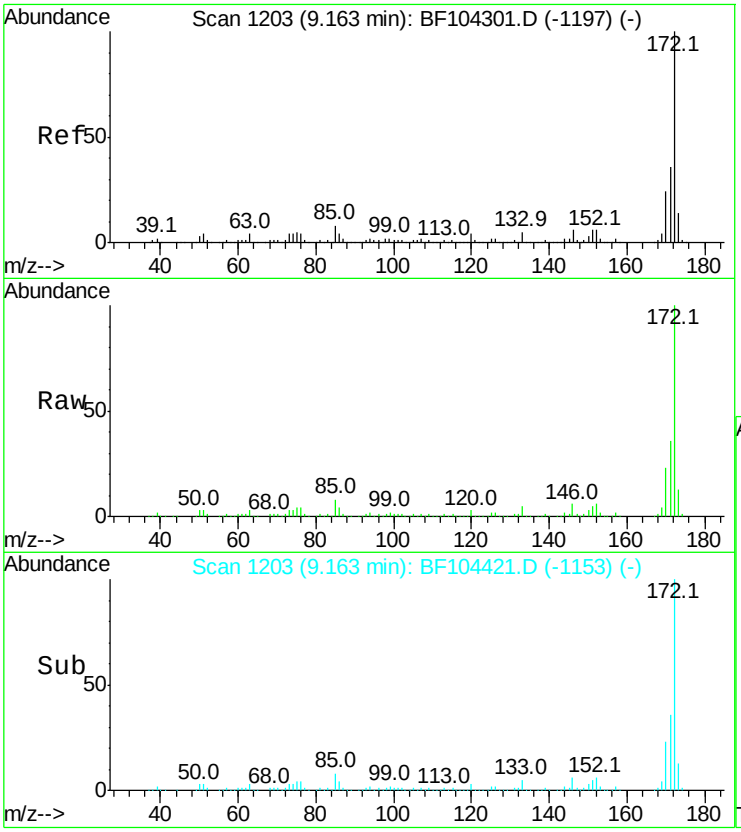


#41
2,4,6-Tribromophenol
Concen: 46.680 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:330 Resp: 86798

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	35.7	29.9	44.9



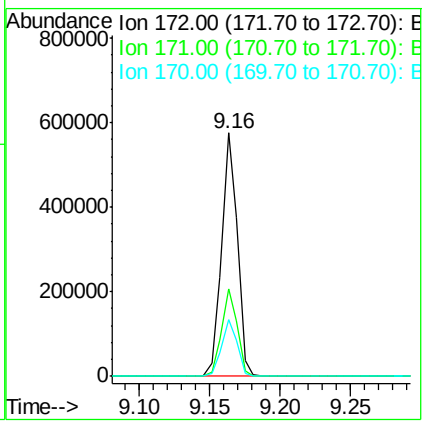


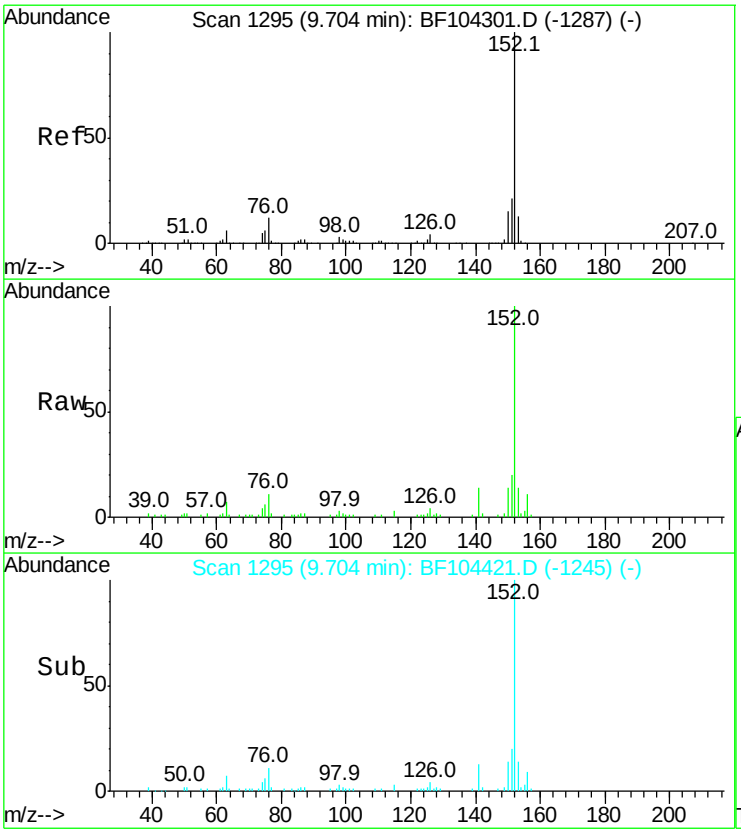
#44
2-Fluorobiphenyl
Concen: 39.421 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 447300

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.4	19.6	29.4

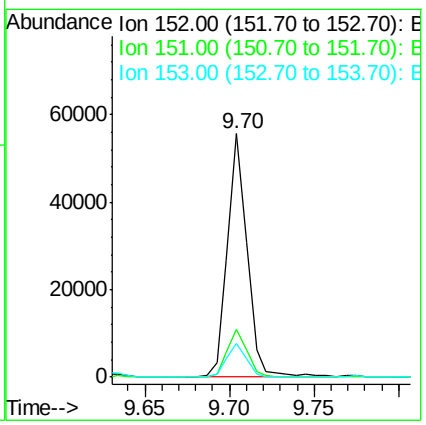


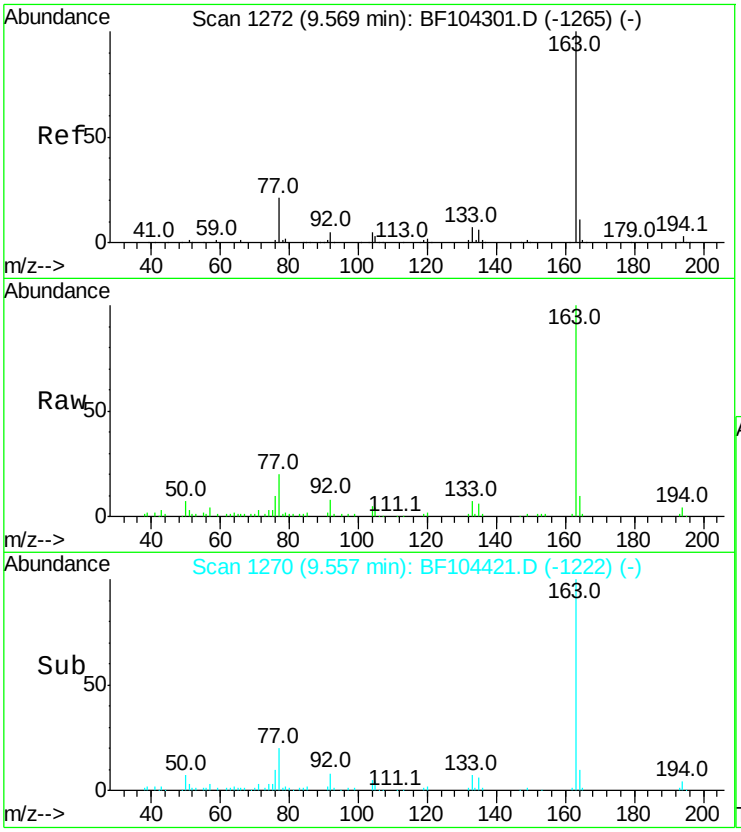


#48
Acenaphthylene
Concen: 2.420 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:152 Resp: 45153

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.6	10.7	16.1



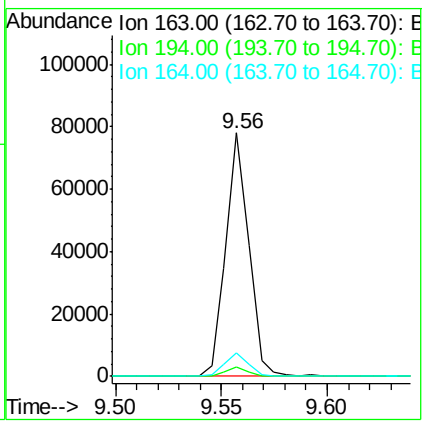


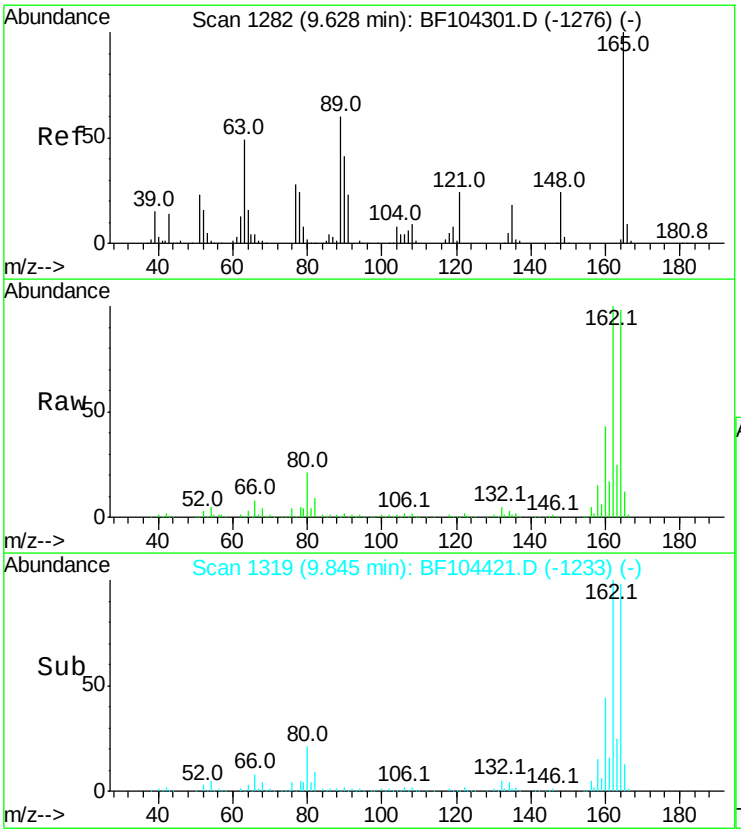
#49
Dimethylphthalate
Concen: 4.138 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 58491

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.8	8.2	12.2

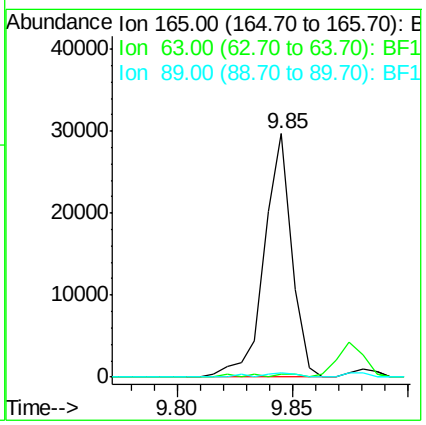


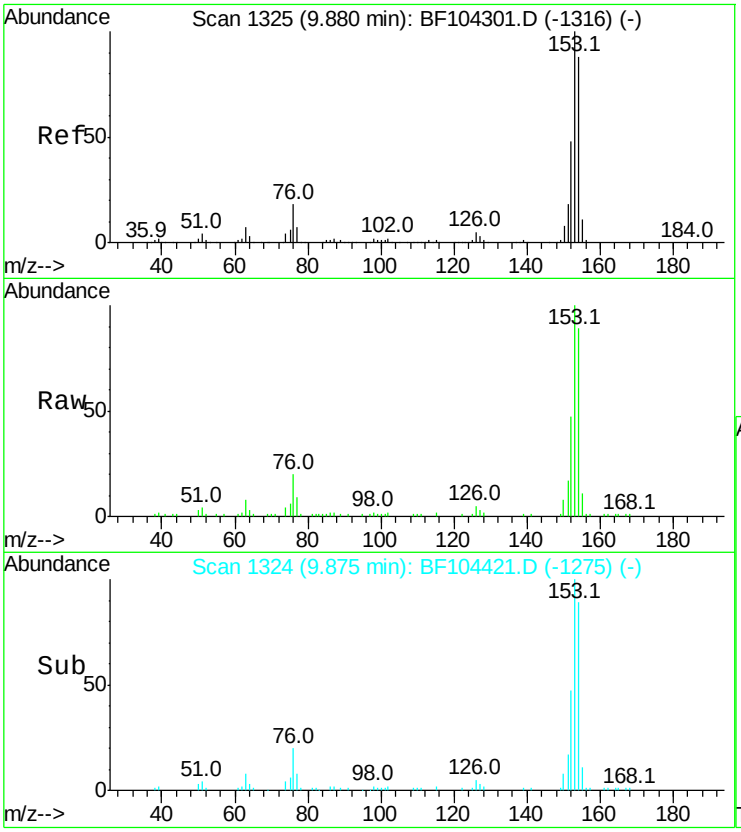


#50
2,6-Dinitrotoluene
Concen: 9.349 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:165 Resp: 24453

Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.7	44.0	66.0#



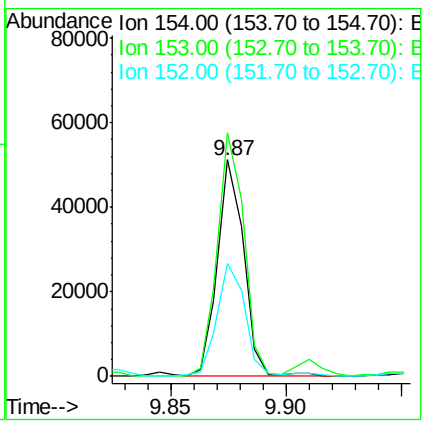


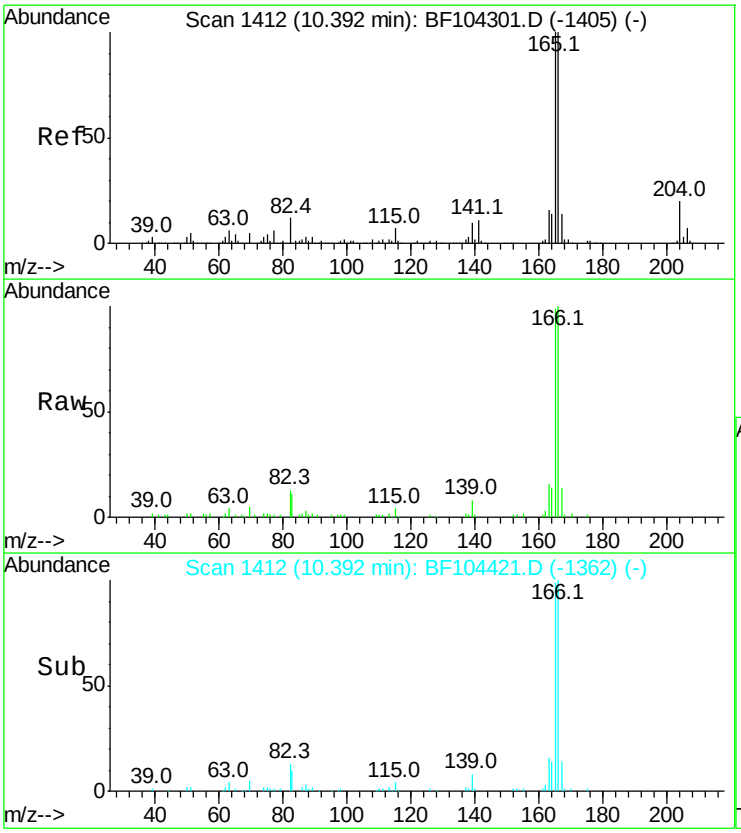
#51
Acenaphthene
Concen: 3.565 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 40592

Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.2	136.8
152	52.3	43.8	65.8

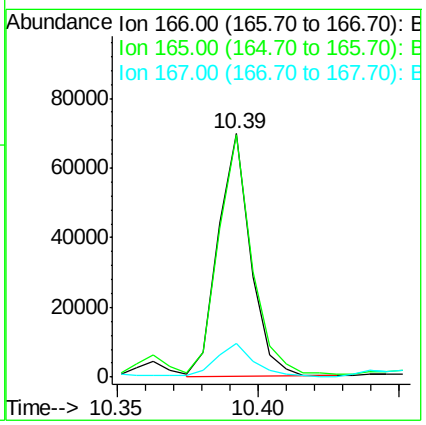


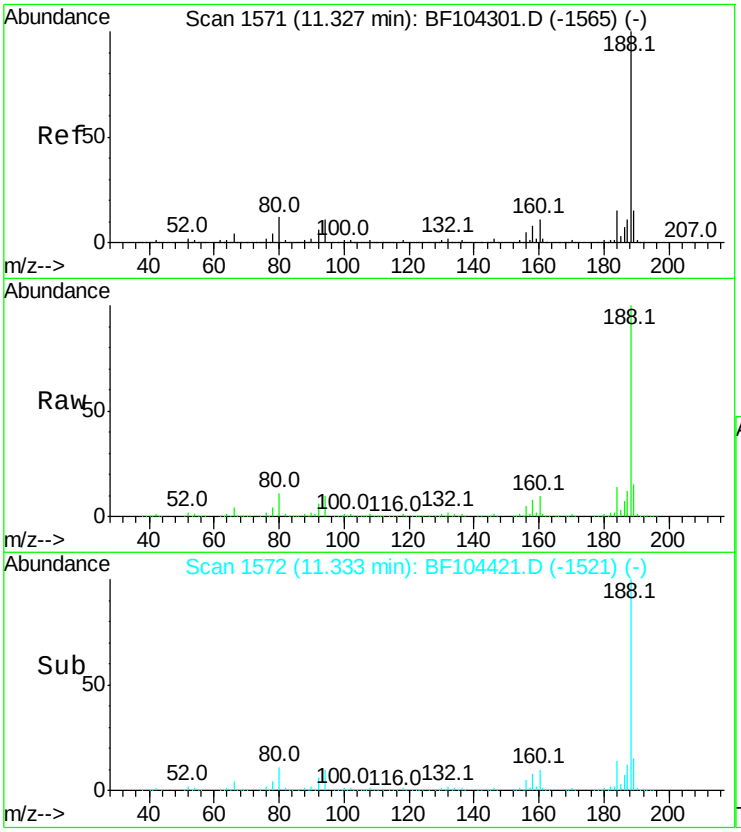


#57
Fluorene
Concen: 4.801 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:166 Resp: 55445

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	14.0	10.6	16.0



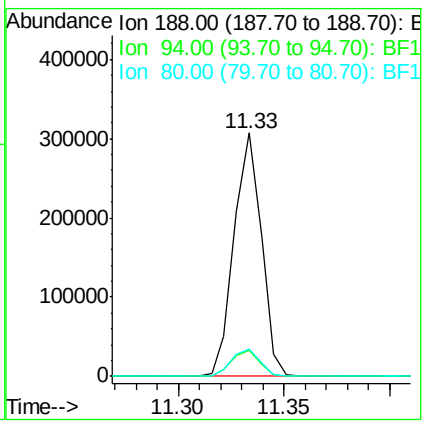


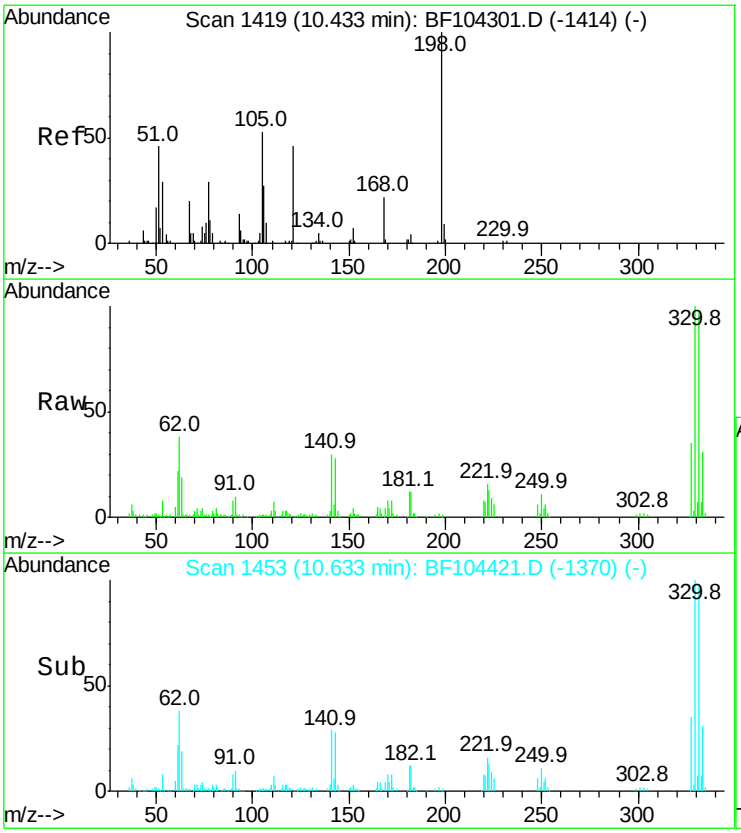
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 274547

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8

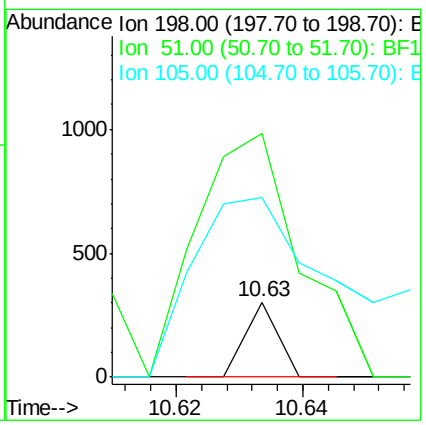


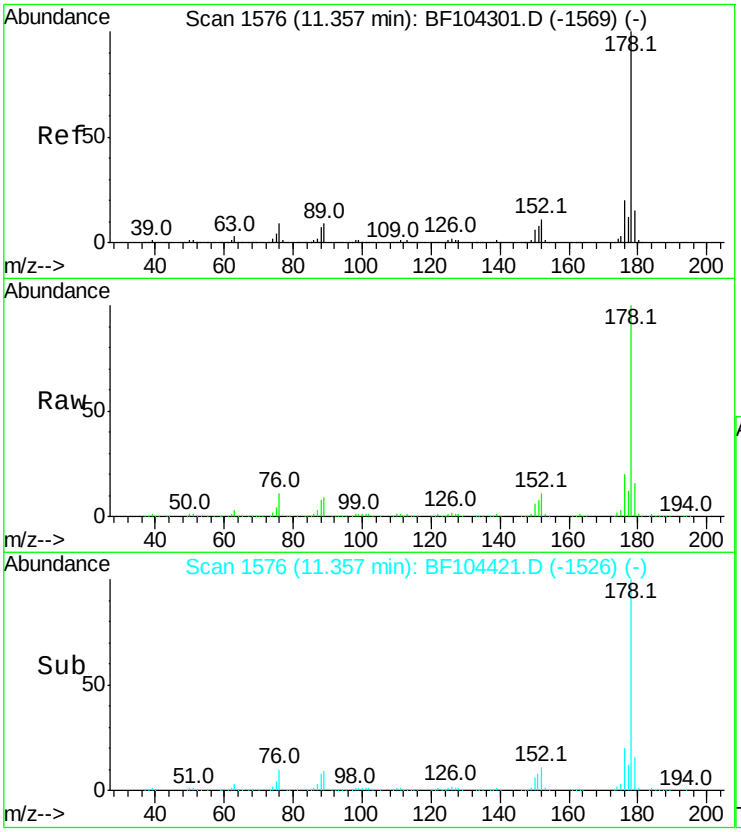


#64
4,6-Dinitro-2-methylphenol
Concen: 7.415 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.19 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:198 Resp: 107

Ion	Ratio	Lower	Upper
198	100		
51	325.5	37.7	77.7#
105	239.4	36.3	76.3#



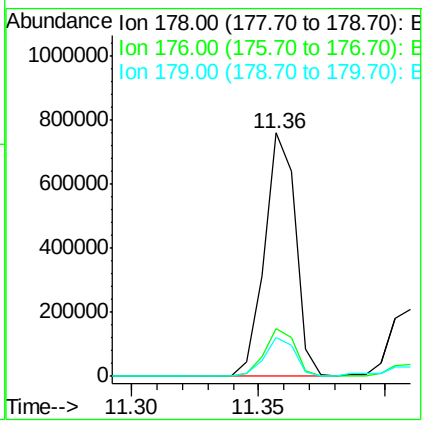


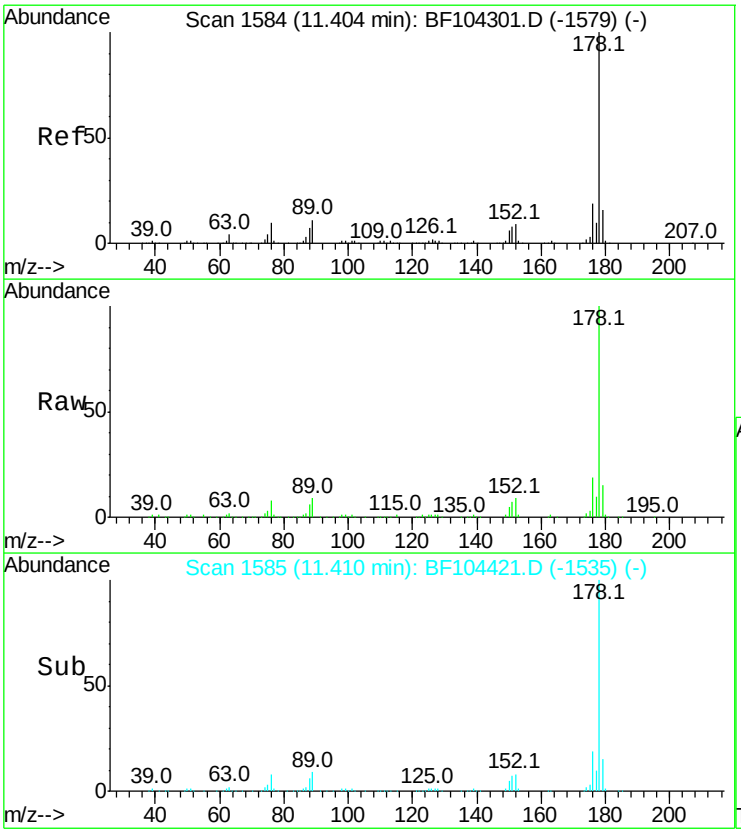
#70
Phenanthrene
Concen: 42.768 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 653898

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	13.0	19.6

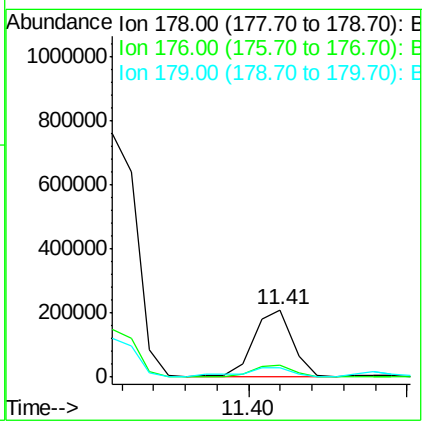


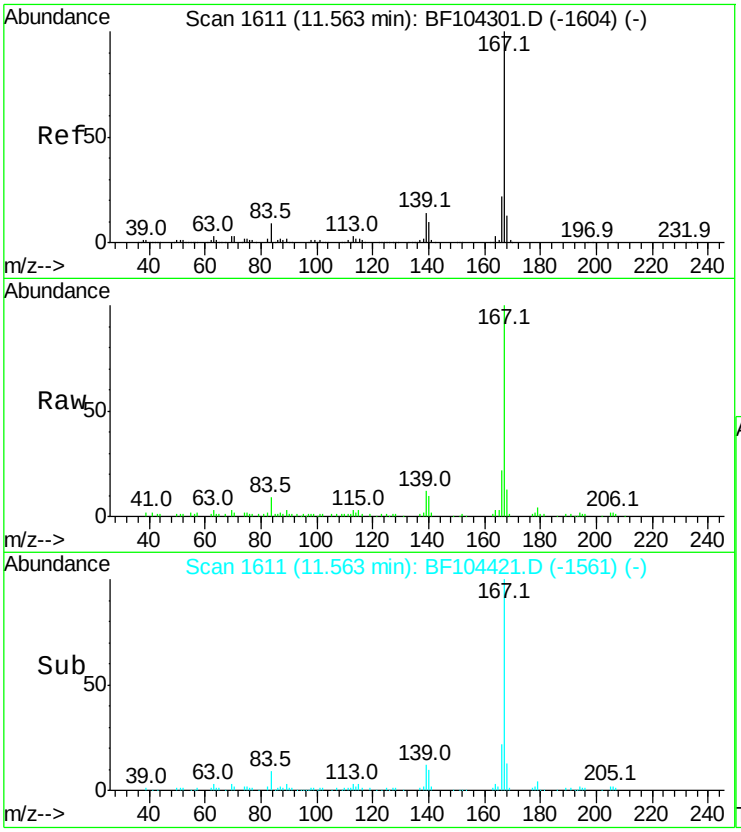


#71
Anthracene
Concen: 11.508 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:178 Resp: 178850

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	14.9	12.6	19.0



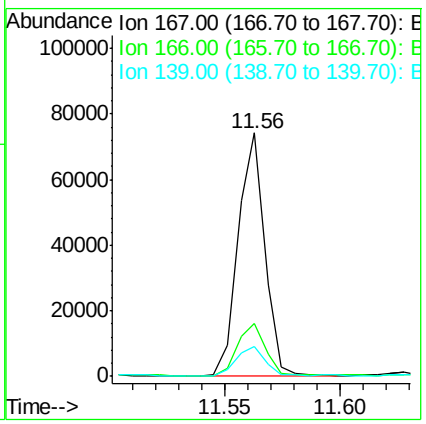


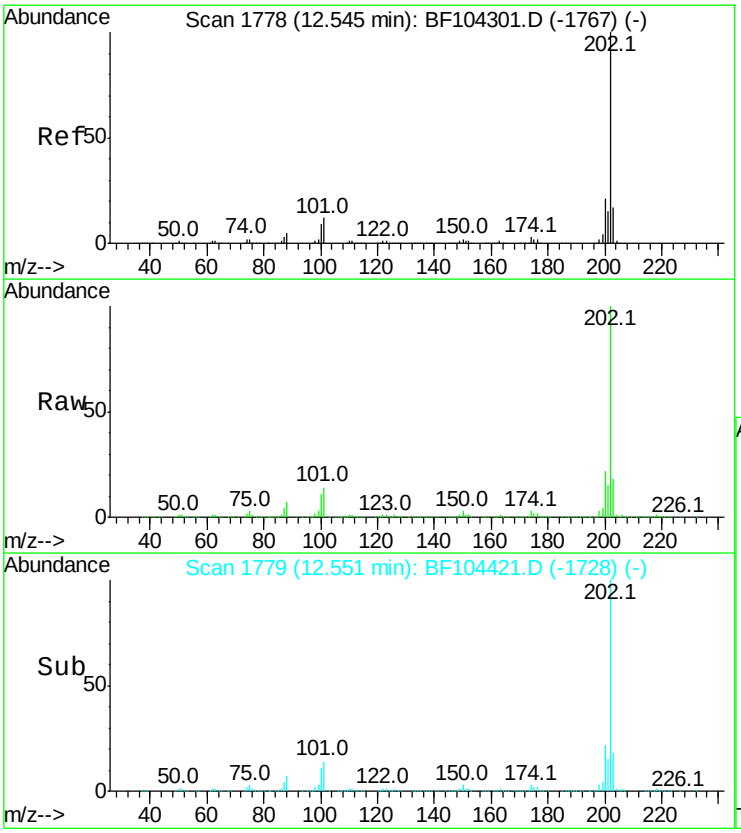
#72
Carbazole
Concen: 3.957 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 60091

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	12.3	10.9	16.3

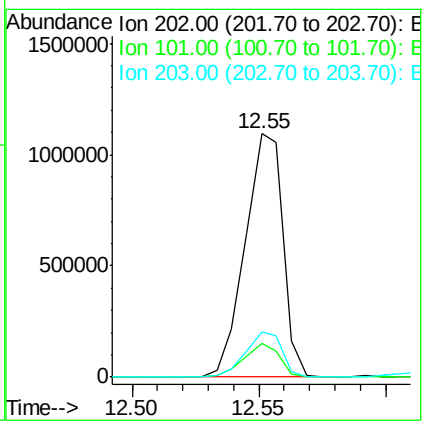


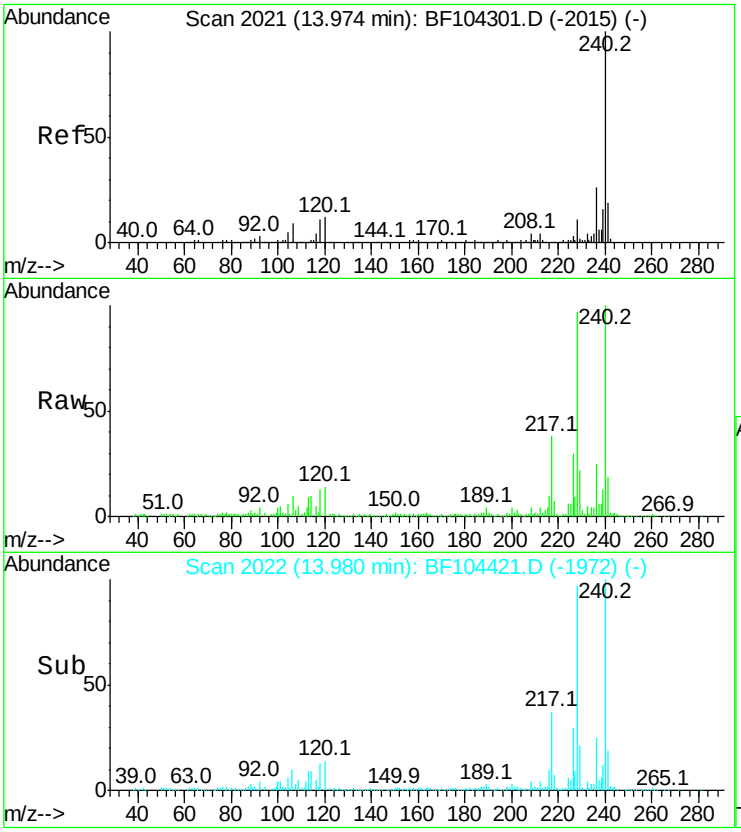


#74
Fluoranthene
Concen: 70.955 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:202 Resp: 1133457

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	18.3	0.0	38.1



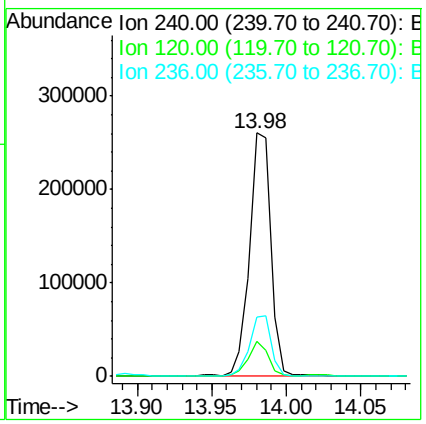


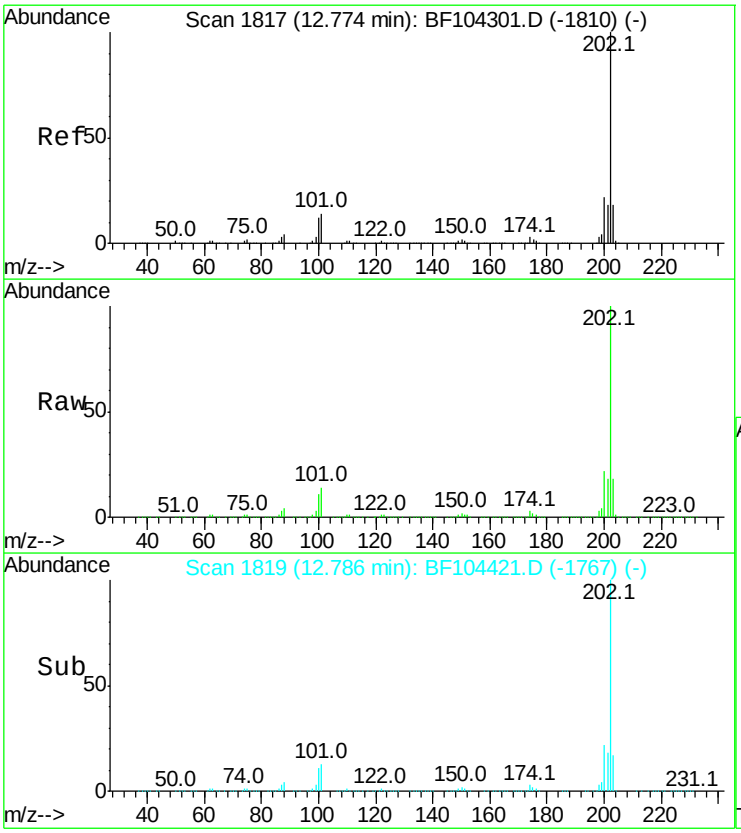
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 257291

Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	24.6	20.7	31.1

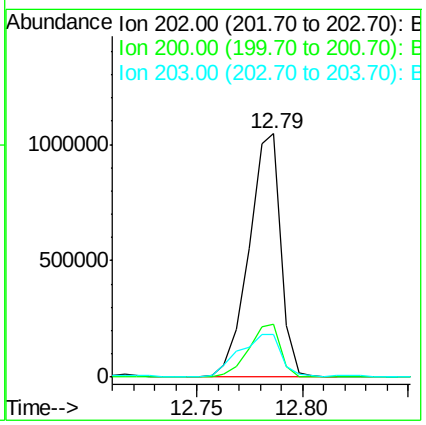


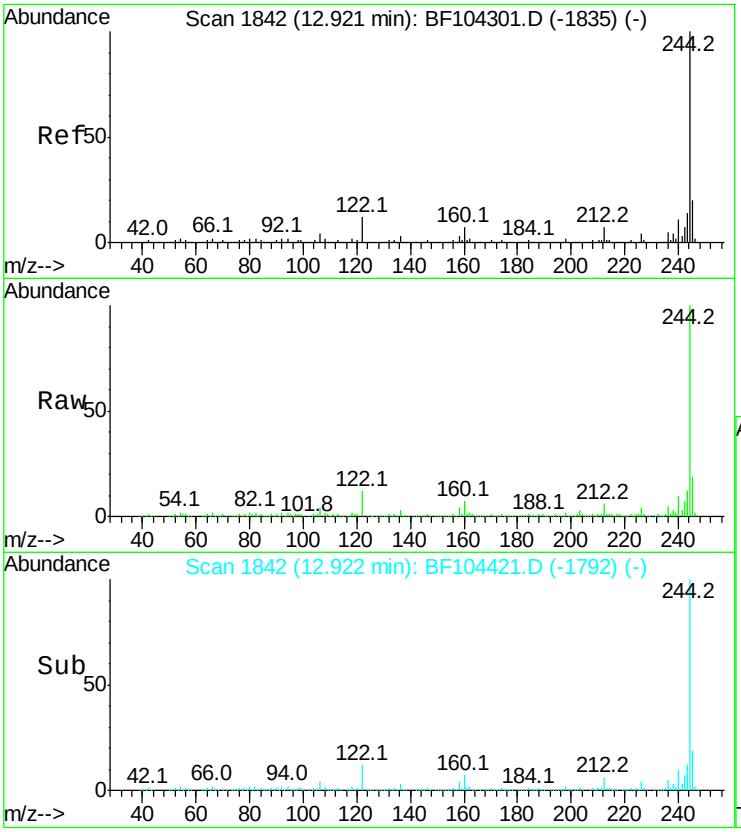


#77
Pyrene
Concen: 57.470 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:202 Resp: 1096024

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.7	14.3	21.5



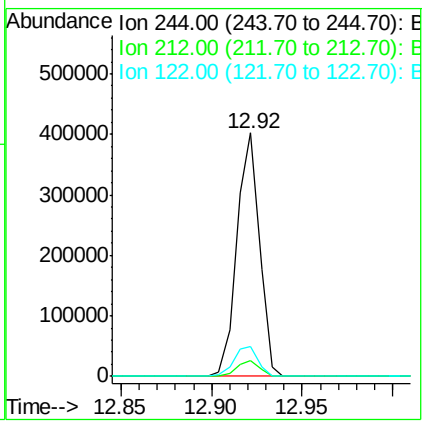


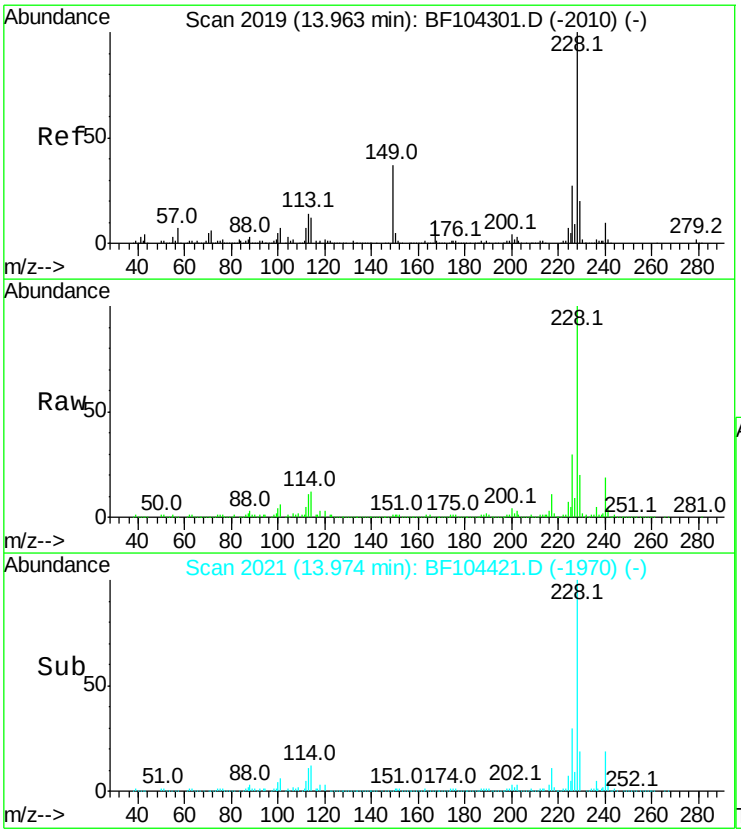
#78
Terphenyl-d14
Concen: 30.807 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 347675

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.1	11.0	16.4

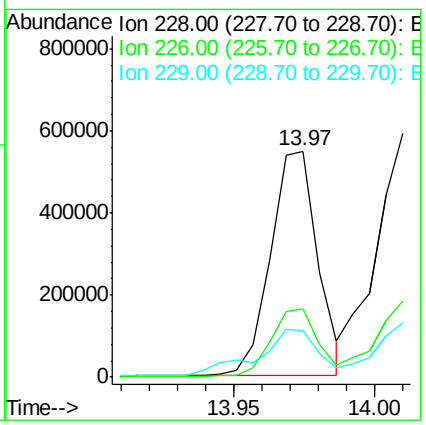


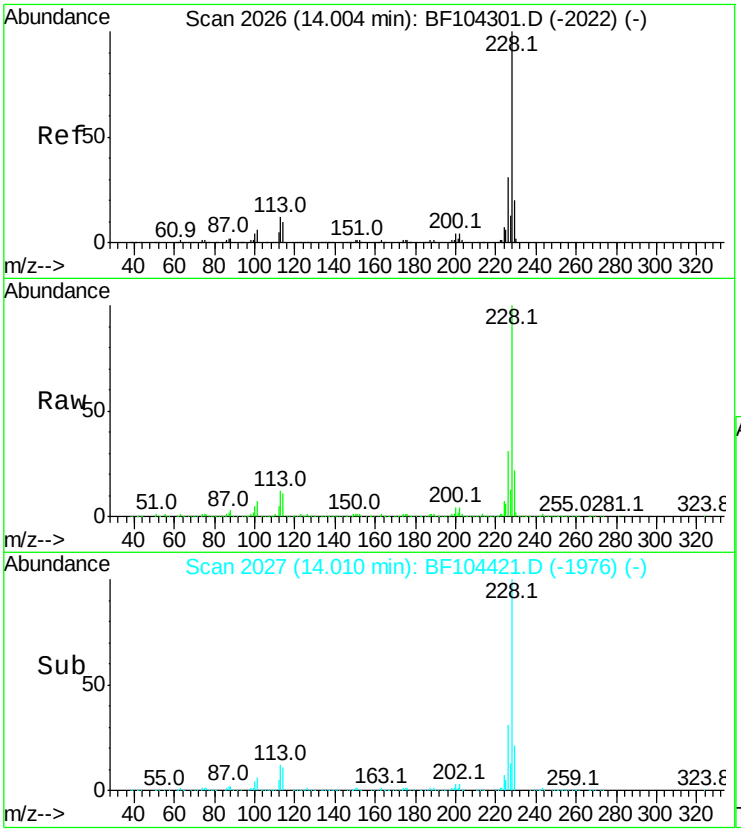


#80
Benzo(a)anthracene
Concen: 41.339 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:228 Resp: 635417

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.4	15.8	23.6



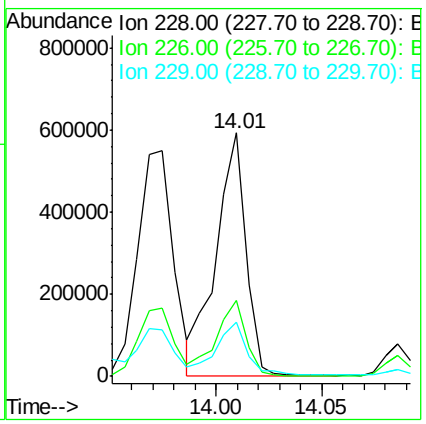


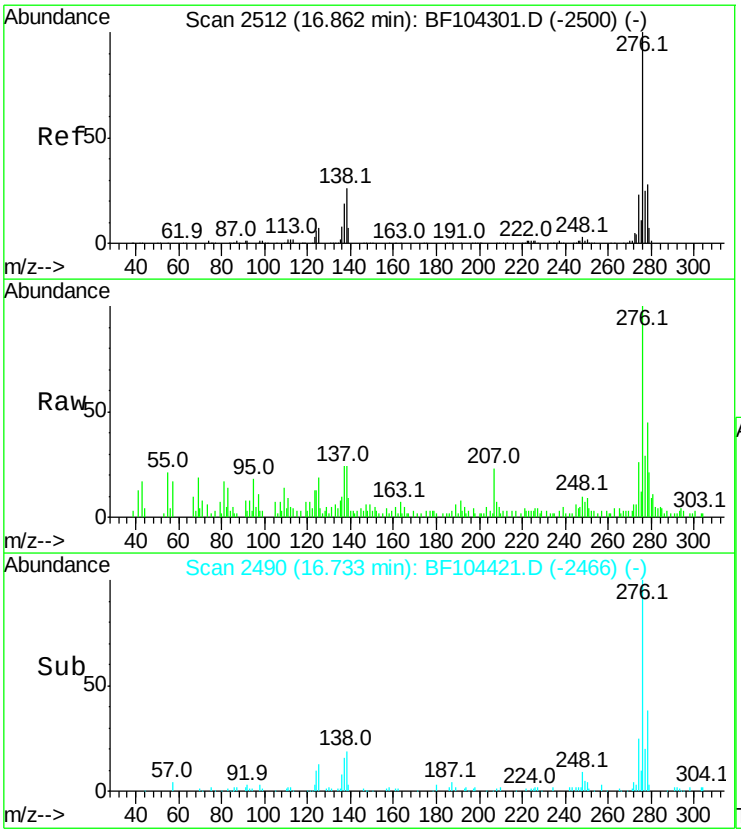
#82
Chrysene
Concen: 36.645 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 578559

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.2	16.2	24.4

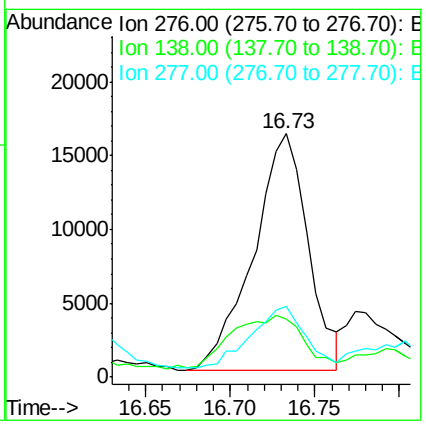


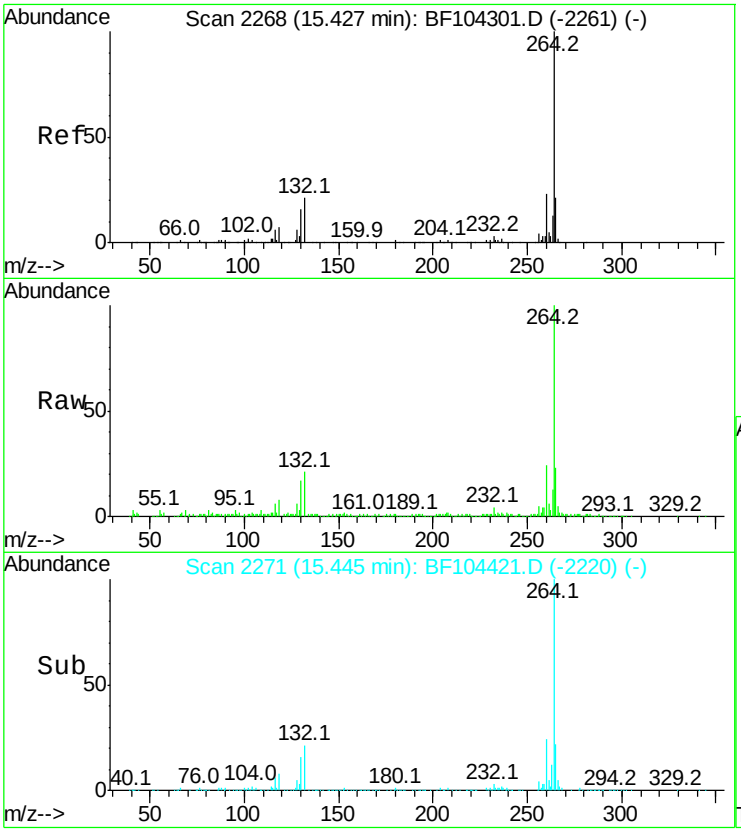


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.685 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.16 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:276 Resp: 36008

Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	25.6	20.1	30.1



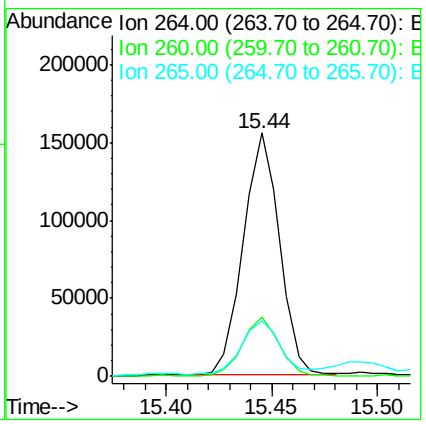


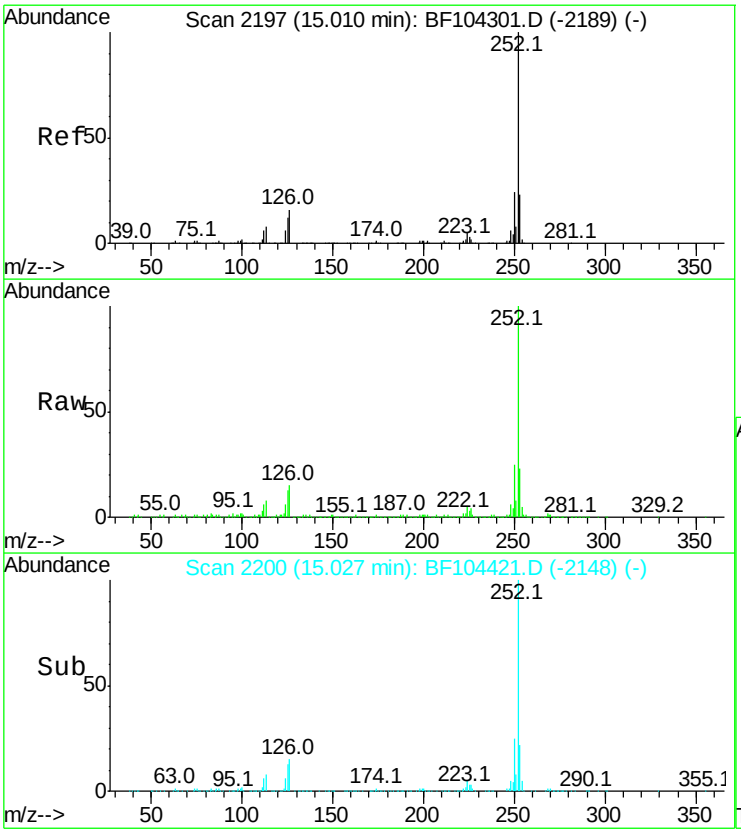
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 186033

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

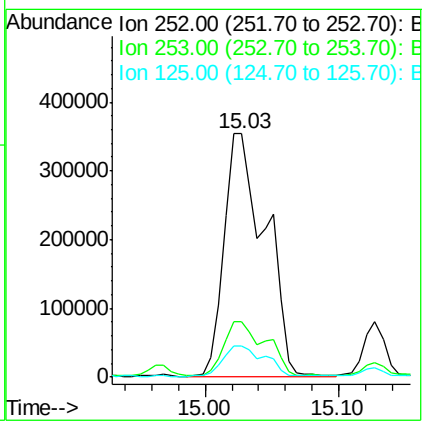


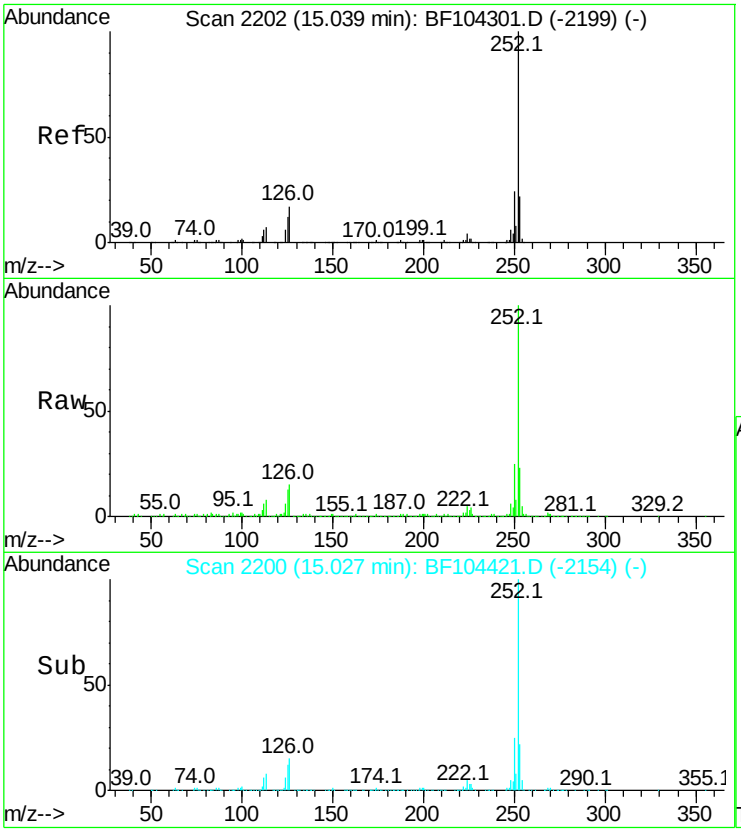


#87
Benzo(b)fluoranthene
Concen: 64.725 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:252 Resp: 760488

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.0	9.0	13.6



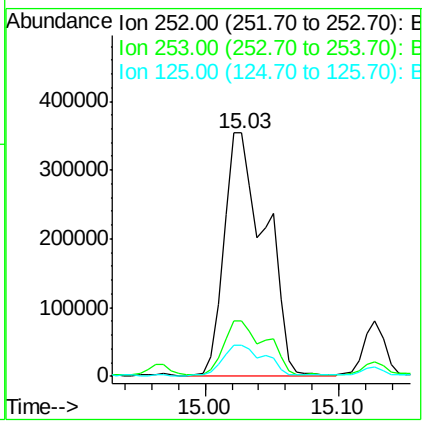


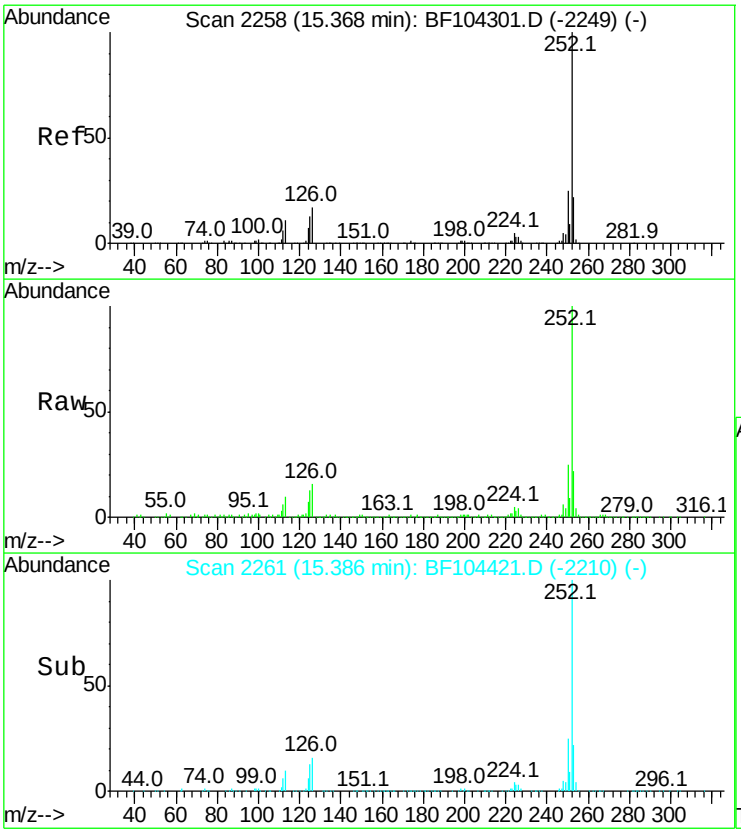
#88
Benzo(k)fluoranthene
Concen: 68.558 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 760488

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	13.0	10.2	15.2

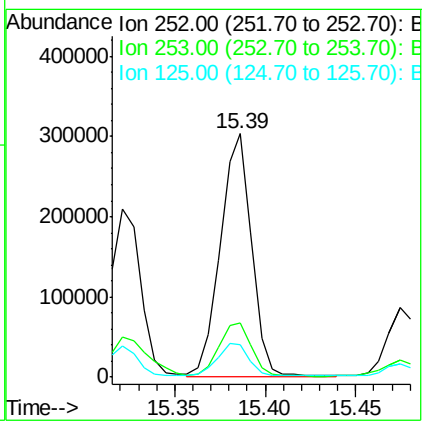


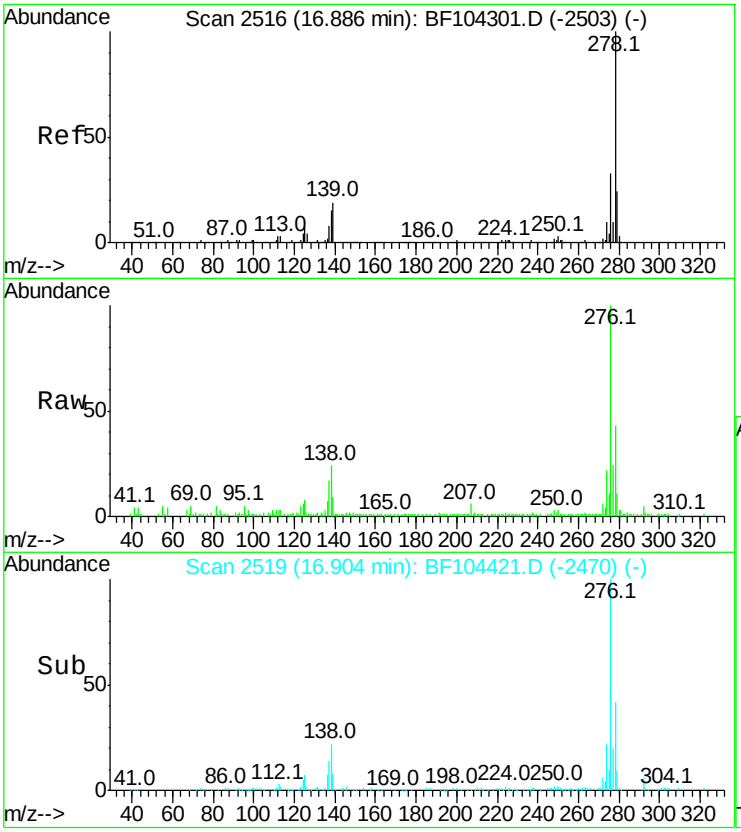


#89
Benzo(a)pyrene
Concen: 34.291 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:252 Resp: 360499

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	13.3	9.8	14.6



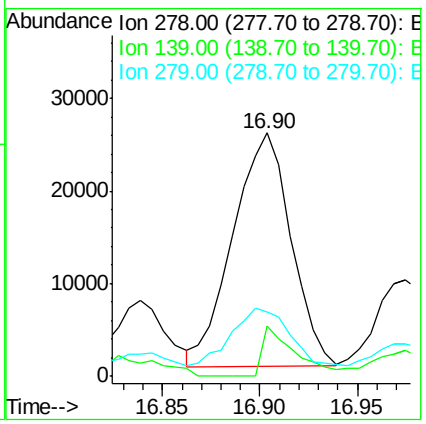


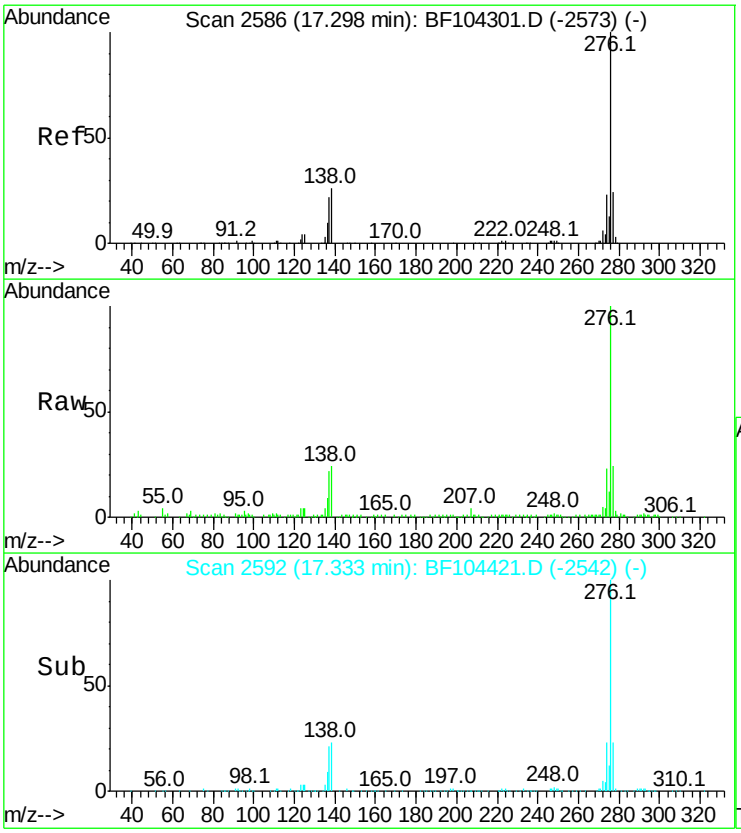
#90
Dibenzo(a,h)anthracene
Concen: 6.003 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 51831

Ion	Ratio	Lower	Upper
278	100		
139	20.7	15.9	23.9
279	26.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 21.291 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion:276 Resp: 178103

Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	24.1	21.8	32.8