Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
Data File : BN004937.D
Acq On : 24 Mar 2019 14:04
Operator : JU/SJ
Sample : K2015-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-026-SW040-031919

Quant Time: Mar 25 03:48:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3229	0.40	ng		-0.02
7) Naphthalene-d8	10.47	136	12187	0.40	ng		-0.03
13) Acenaphthene-d10	14.32	164	6370	0.40	ng		-0.02
19) Phenanthrene-d10	17.08	188	12397	0.40	ng		-0.01
27) Chrysene-d12	21.28	240	14925	0.40	ng		-0.01
34) Perylene-d12	23.54	264	13954	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	4460	0.51	ng		-0.02
5) Phenol-d6	6.86	99	5487	0.50	ng		-0.02
8) Nitrobenzene-d5	8.84	82	4313	0.54	ng		-0.03
11) 2-Methylnaphthalene-d10	12.06	152	8924	0.42	ng		-0.02
14) 2,4,6-Tribromophenol	15.83	330	2607	0.59	ng		-0.02
15) 2-Fluorobiphenyl	12.94	172	12552	0.48	ng		-0.02
25) Fluoranthene-d10	19.11	212	15975	0.38	ng		-0.02
29) Terphenyl-d14	19.71	244	16260	0.53	ng		-0.02
Target Compounds							Qvalue
9) Naphthalene	10.52	128	3038	0.089	ng	#	90
12) 2-Methylnaphthalene	12.13	142	2691	0.106	ng	#	94
16) Acenaphthylene	14.04	152	12019	0.366	ng		98
17) Acenaphthene	14.39	154	735	0.034	ng		93
18) Fluorene	15.38	166	2399	0.080	ng	#	75
22) Pentachlorophenol	16.74	266	180	0.099	ng	#	79
23) Phenanthrene	17.12	178	35444	0.885	ng		96
24) Anthracene	17.21	178	13398	0.375	ng		97
26) Fluoranthene	19.14	202	49101	0.954	ng	#	95
28) Pyrene	19.51	202	51703	1.136	ng	#	92
30) Benzo(a)anthracene	21.26	228	27611	0.564	ng	#	38
31) Chrysene	21.31	228	27018	0.524	ng	#	45
33) Indeno(1,2,3-cd)pyrene	25.80	276	45470	0.610	ng		98
37) Benzo(a)pyrene	23.43	252	26088	0.563	ng	#	1
39) Benzo(g,h,i)perylene	26.50	276	155009	2.837	ng	#	93

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

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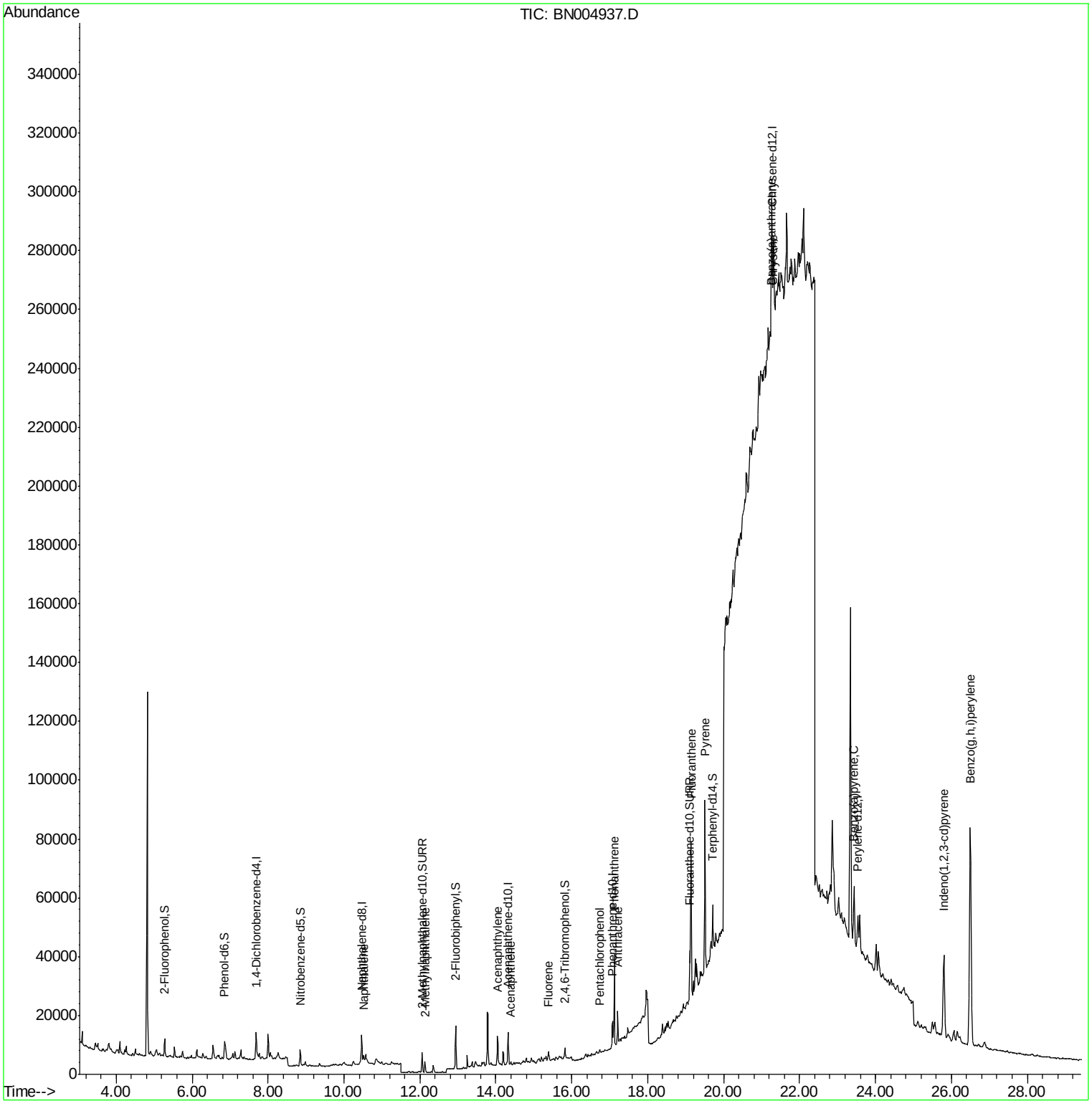
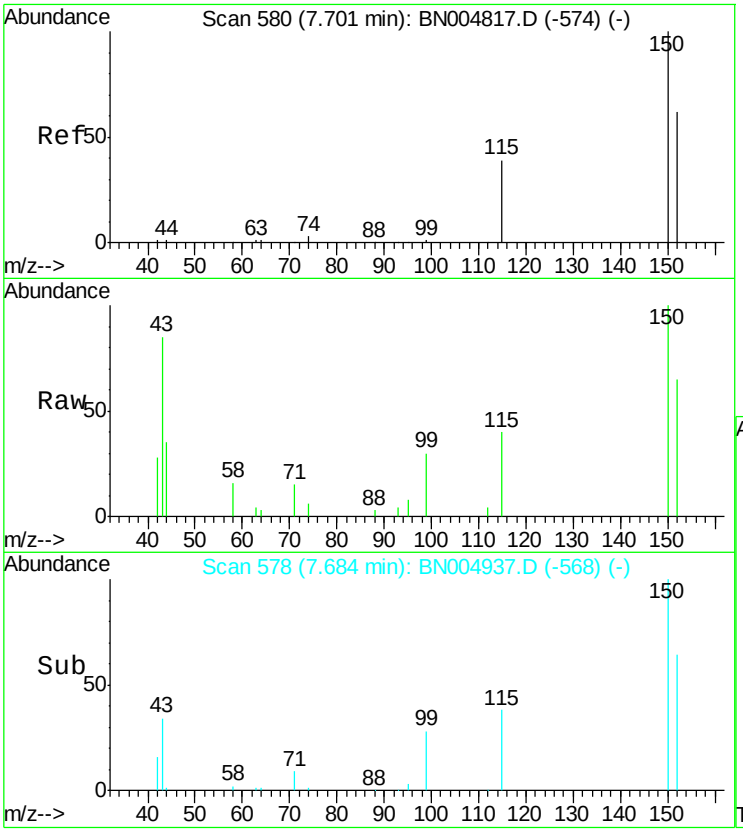


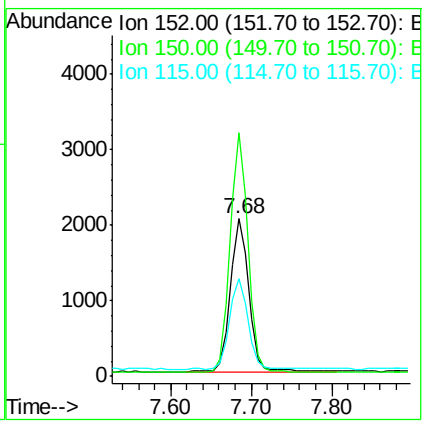


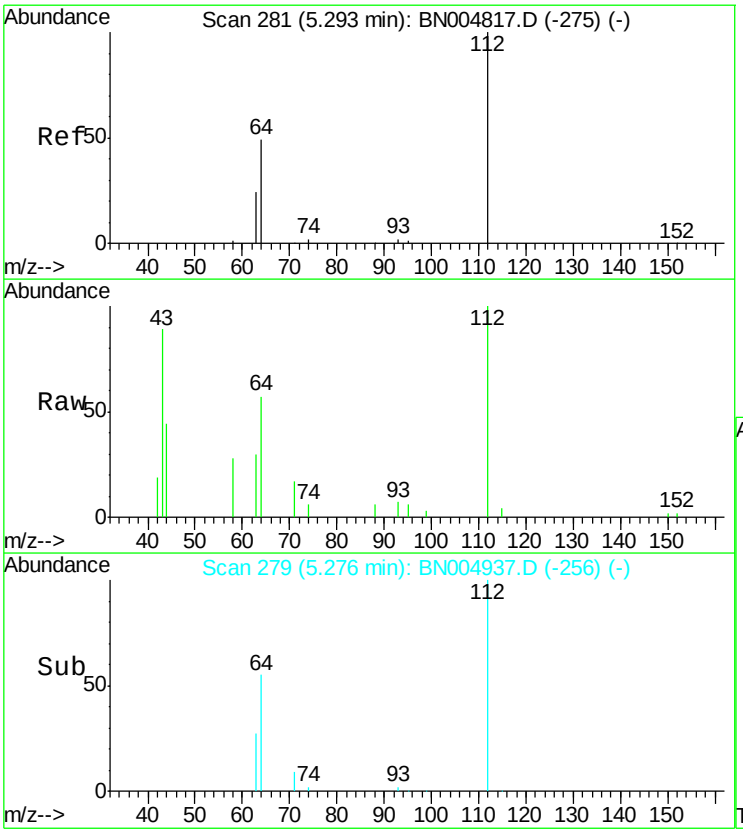
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:152 Resp: 3229

Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.4
115	62.3	52.6	79.0

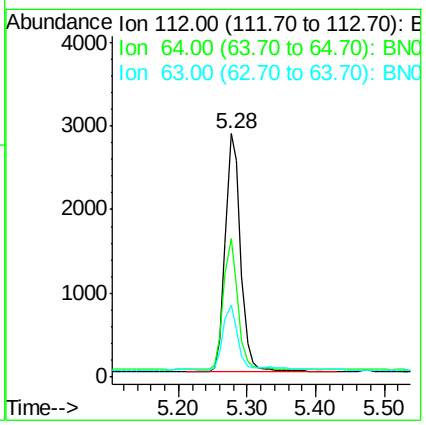


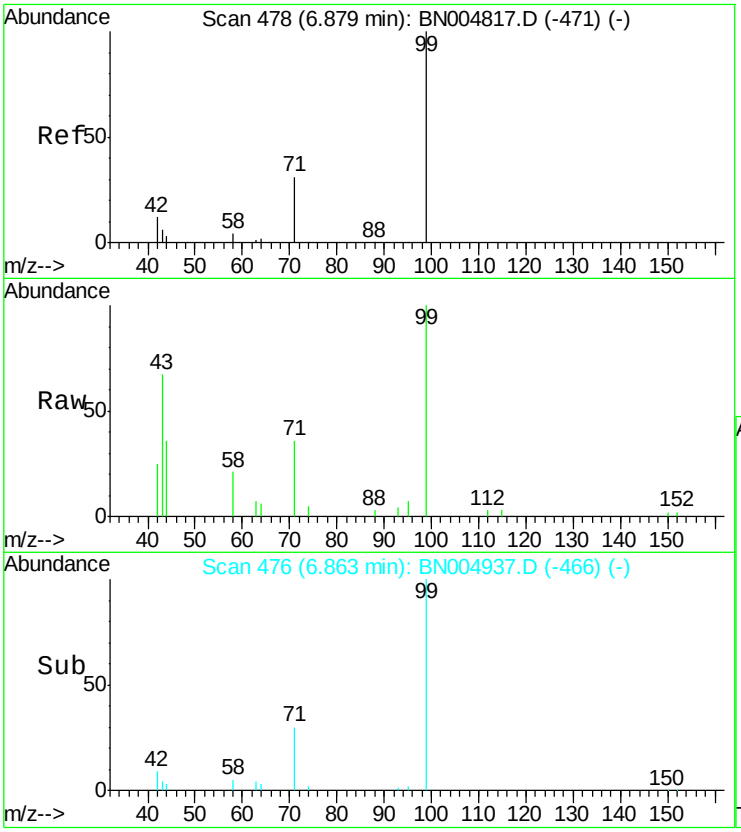


#4
2-Fluorophenol
Concen: 0.508 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:112 Resp: 4460

Ion	Ratio	Lower	Upper
112	100		
64	51.2	40.0	60.0
63	25.8	20.2	30.2



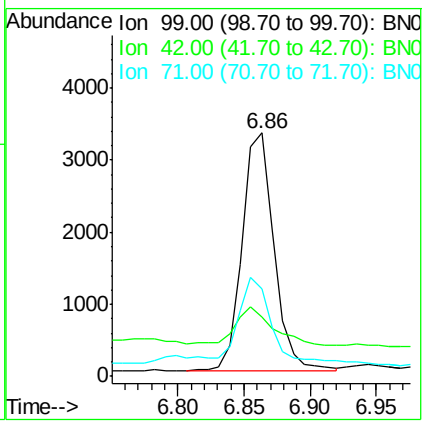


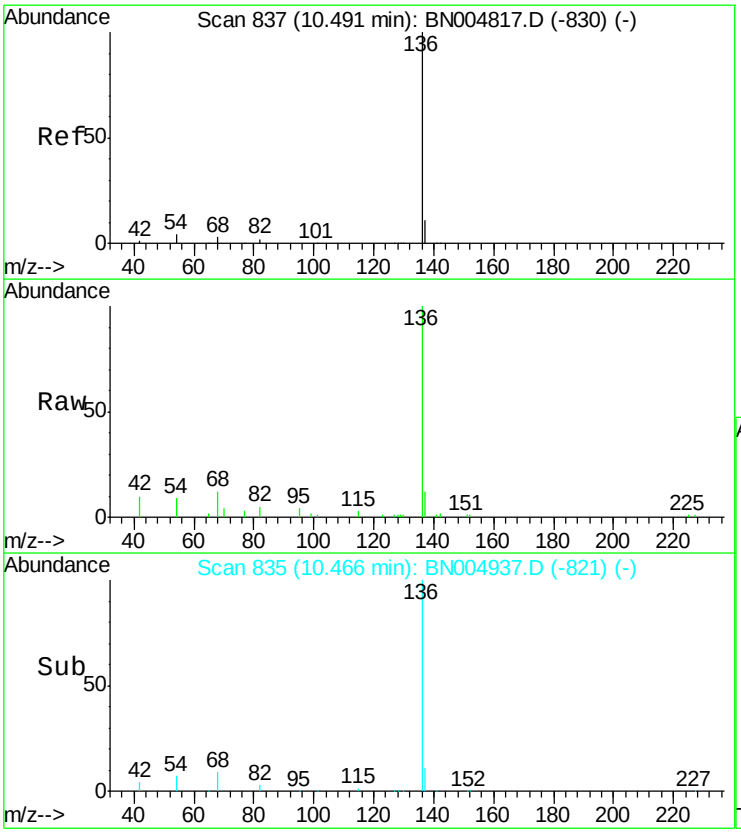
#5
Phenol-d6
Concen: 0.502 ng
RT: 6.86 min Scan# 476
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion: 99 Resp: 5487

Ion	Ratio	Lower	Upper
99	100		
42	18.9	12.7	19.1
71	40.1	26.6	40.0#

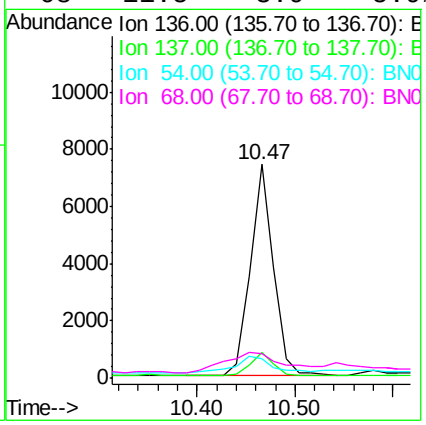


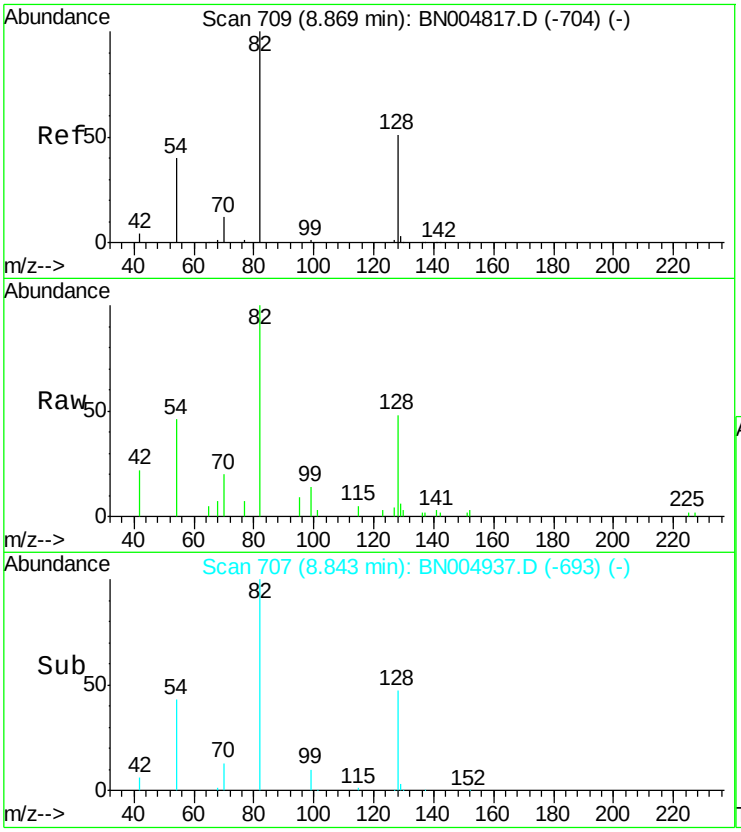


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.03 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:136 Resp: 12187

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	8.9	4.2	6.2#
68	11.5	3.9	5.9#



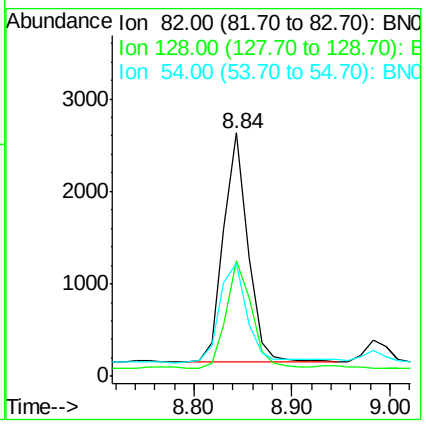


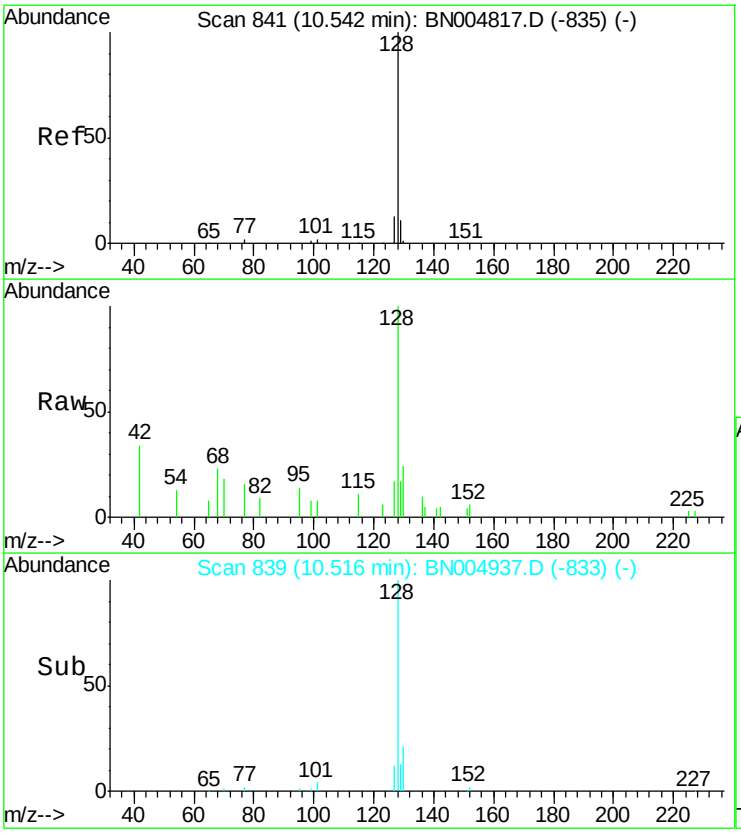
#8
Nitrobenzene-d5
Concen: 0.535 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion: 82 Resp: 4313

Ion	Ratio	Lower	Upper
82	100		
128	47.5	43.0	64.6
54	46.2	35.3	52.9

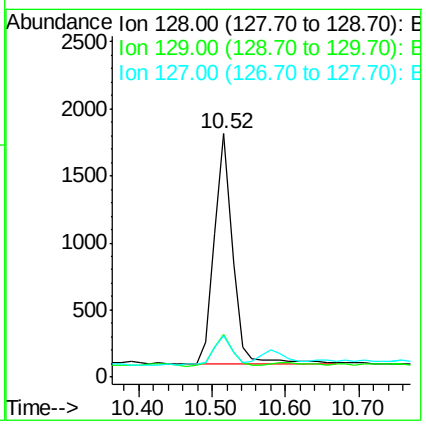


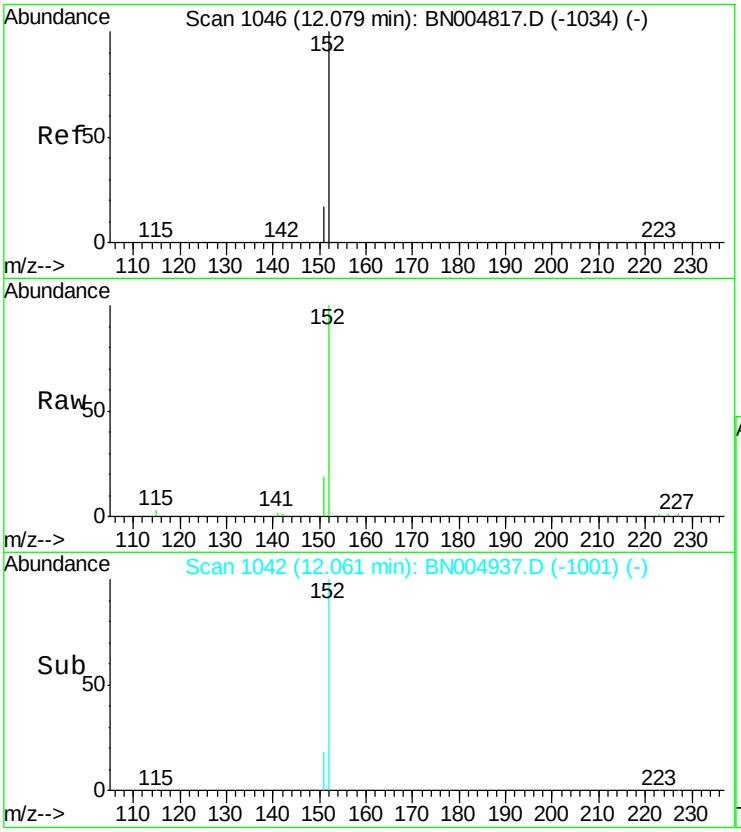


#9
Naphthalene
Concen: 0.089 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.03 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:128 Resp: 3038

Ion	Ratio	Lower	Upper
128	100		
129	17.5	9.9	14.9#
127	16.9	11.3	16.9



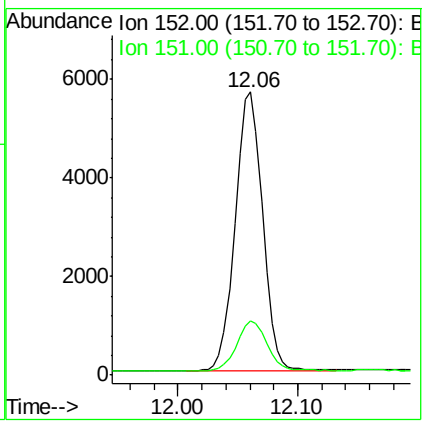


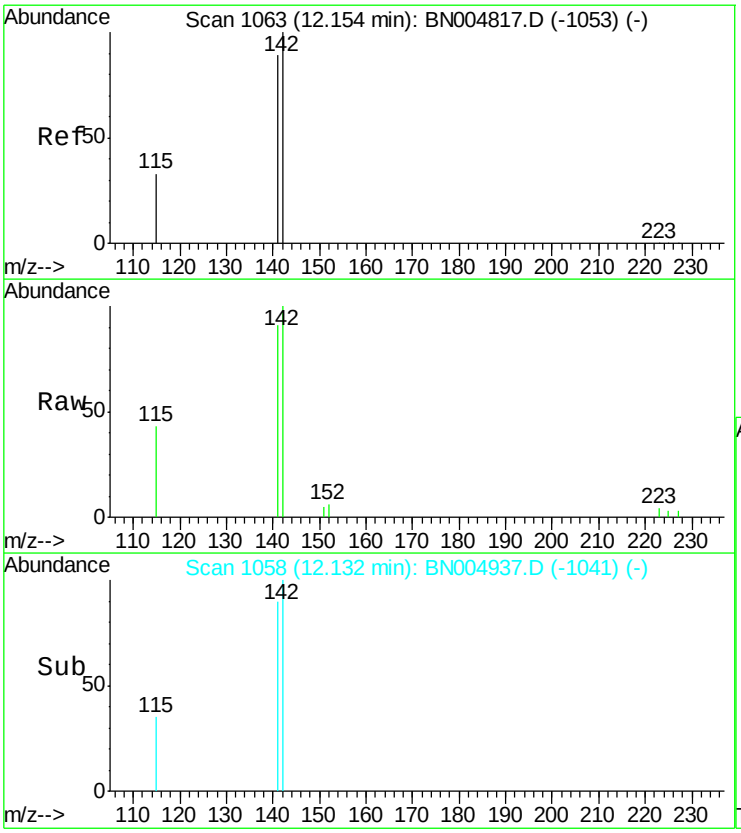
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:152 Resp: 8924

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

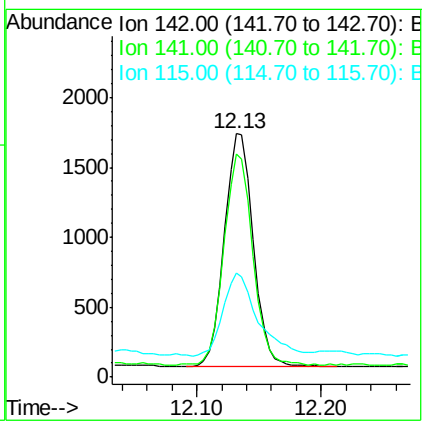


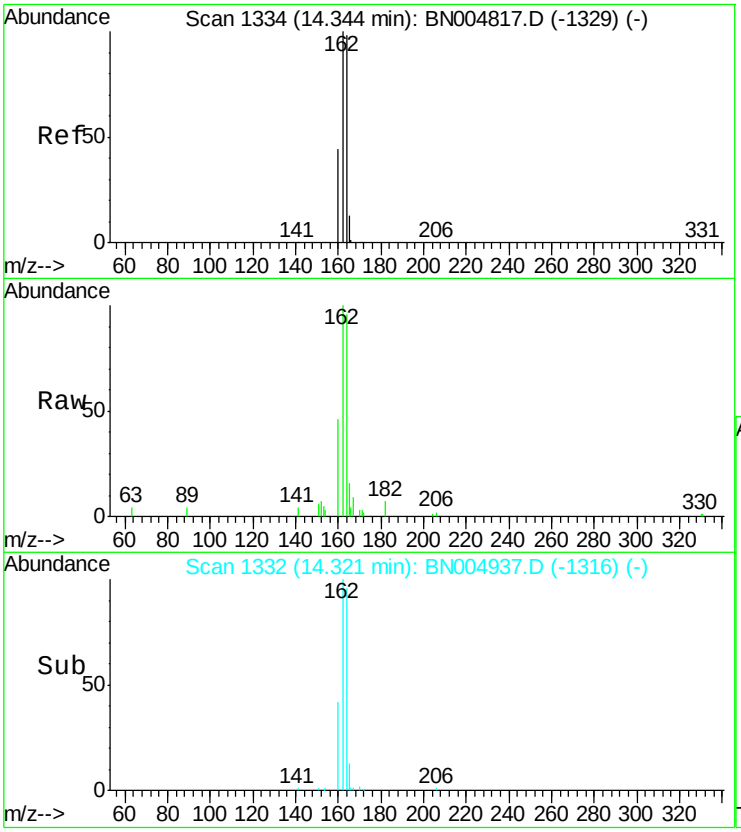


#12
2-Methylnaphthalene
Concen: 0.106 ng
RT: 12.13 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:142 Resp: 2691

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.4	107.2
115	42.8	27.5	41.3#



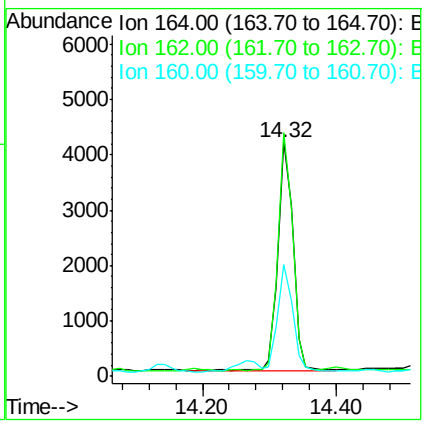


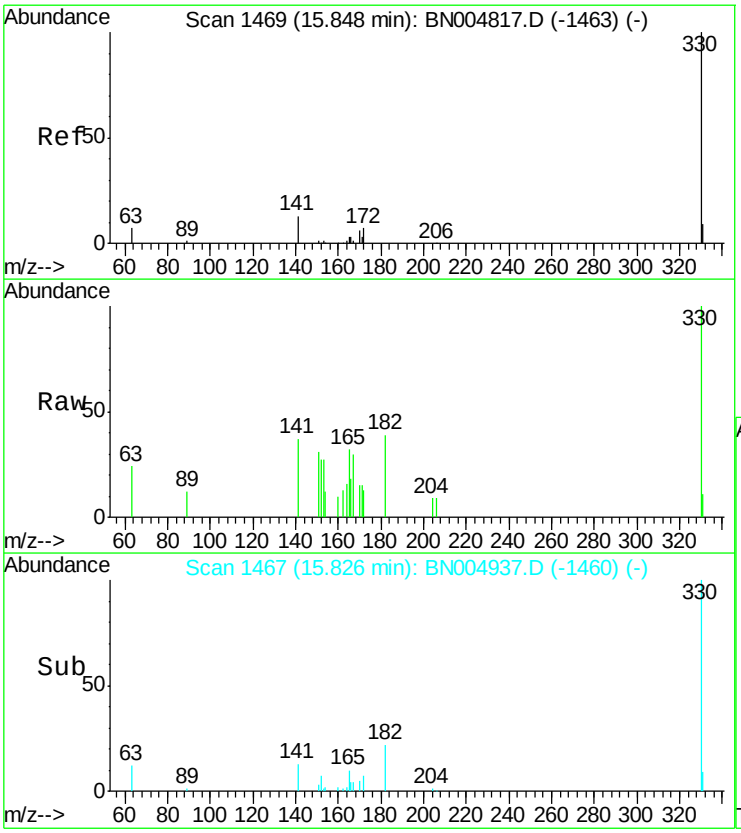
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:164 Resp: 6370

Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.9	122.9
160	47.7	36.6	54.8

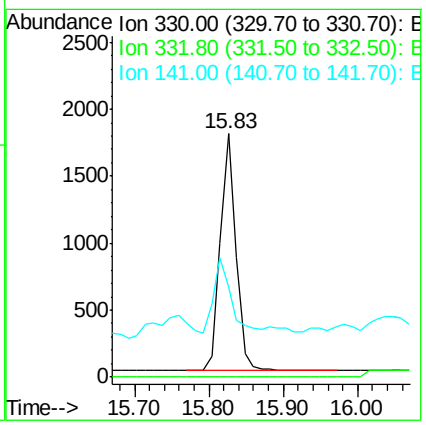


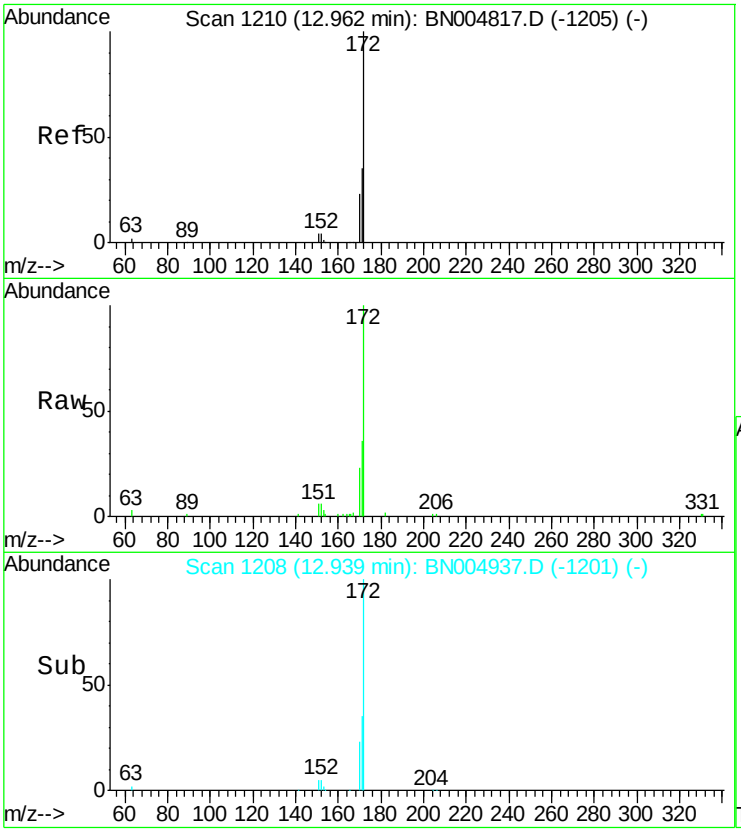


#14
2,4,6-Tribromophenol
Concen: 0.593 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:330 Resp: 2607

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.3	20.9	31.3#



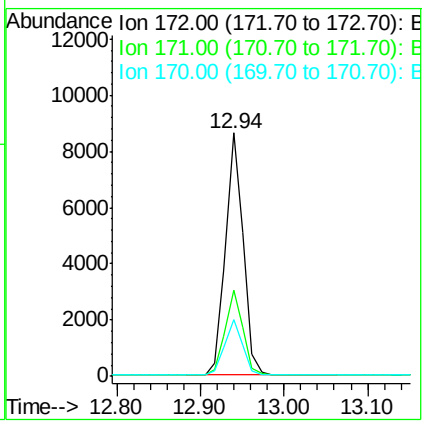


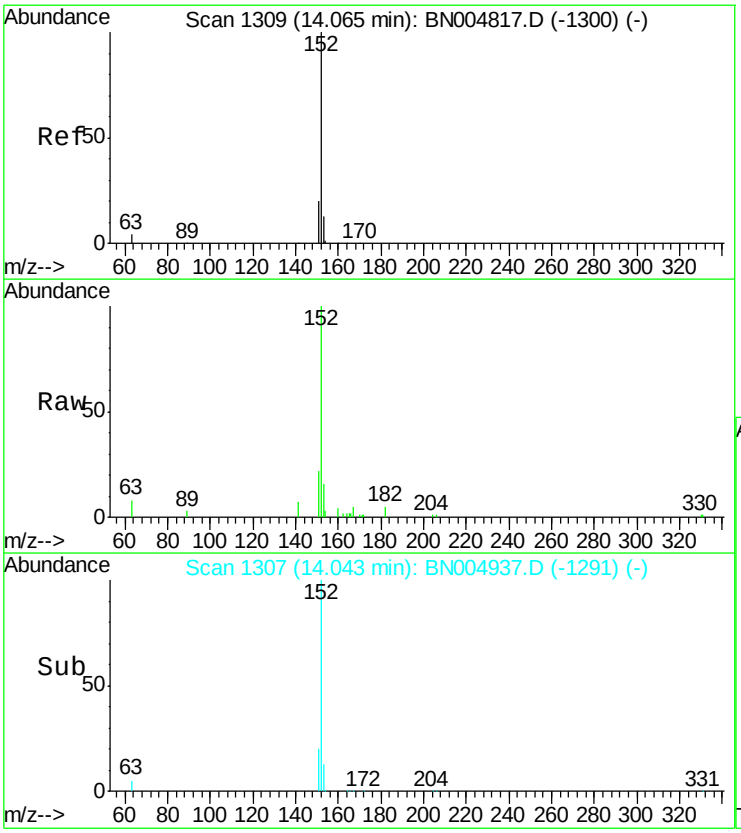
#15
2-Fluorobiphenyl
Concen: 0.477 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:172 Resp: 12552

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.2	18.7	28.1

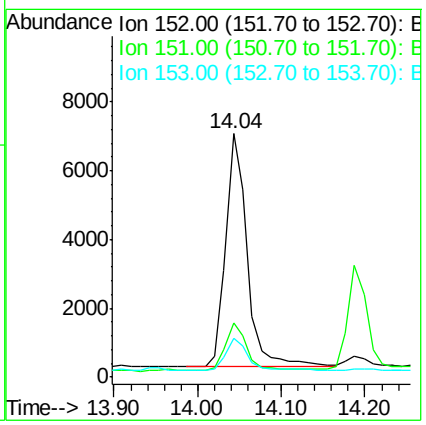


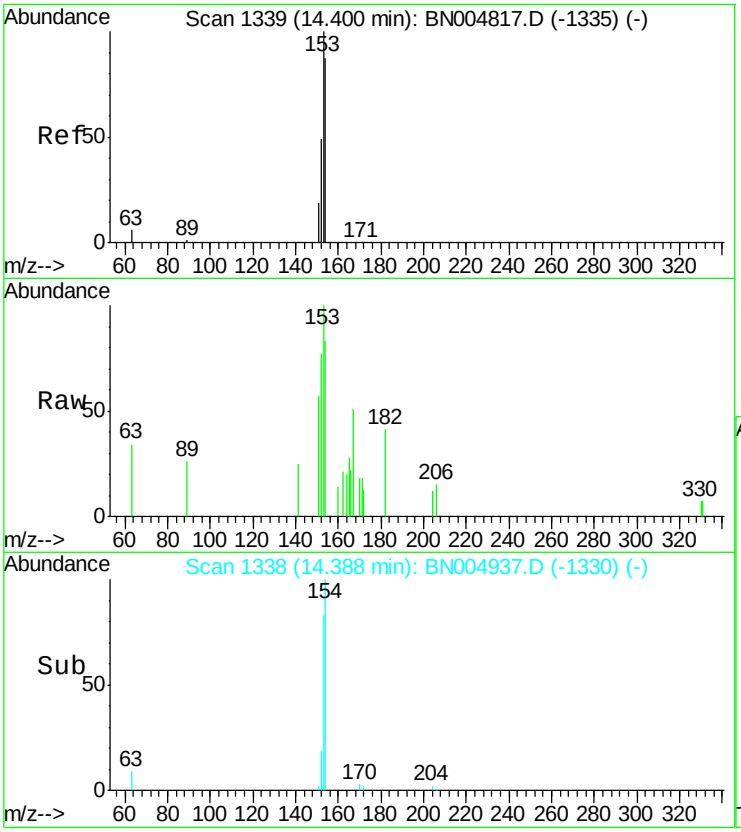


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:152 Resp: 12019

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.1	24.1
153	14.2	10.5	15.7



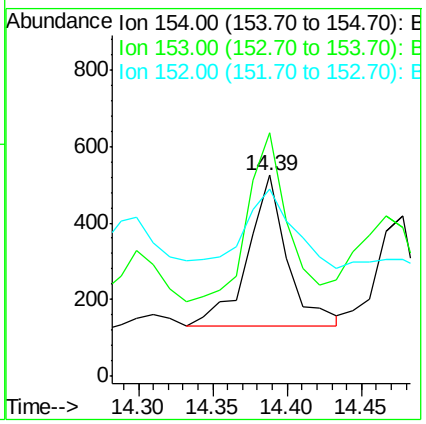


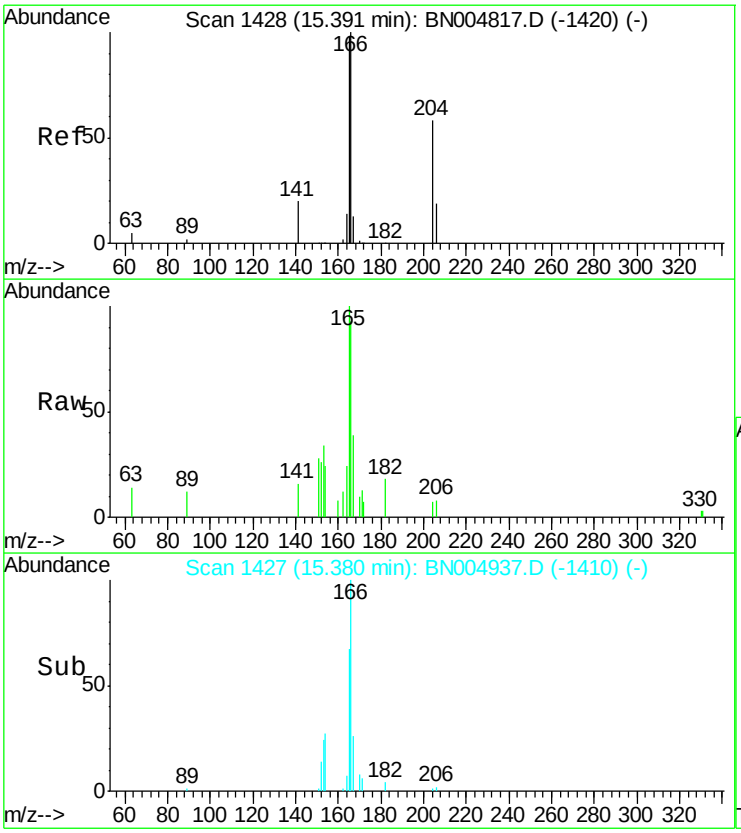
#17
Acenaphthene
Concen: 0.034 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:154 Resp: 735

Ion	Ratio	Lower	Upper
154	100		
153	109.7	91.4	137.2
152	63.3	44.2	66.2

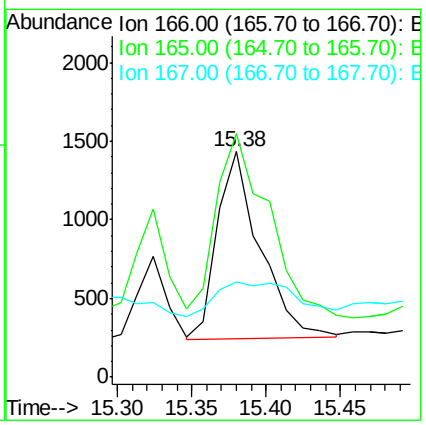


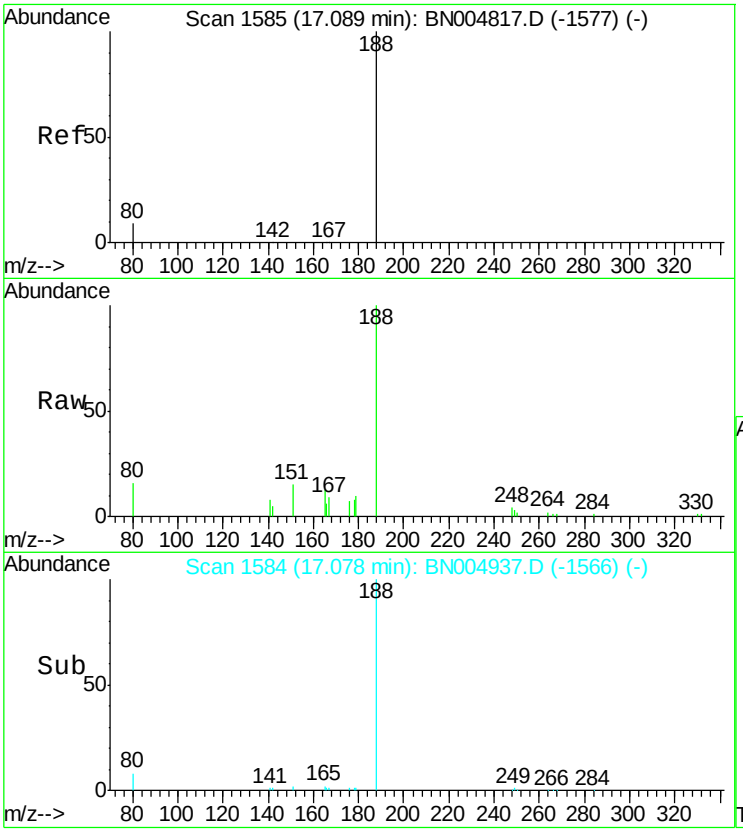


#18
Fluorene
Concen: 0.080 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:166 Resp: 2399

Ion	Ratio	Lower	Upper
166	100		
165	119.3	78.2	117.4#
167	33.8	11.0	16.4#



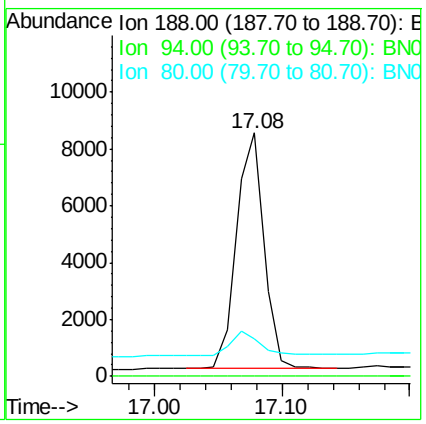


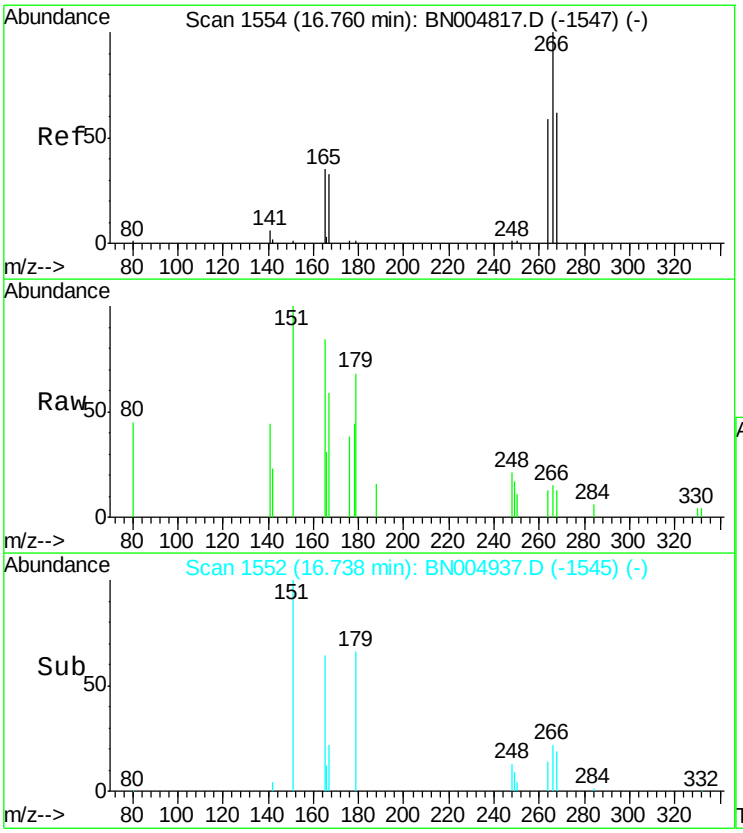
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:188 Resp: 12397

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.7	7.4	11.2#

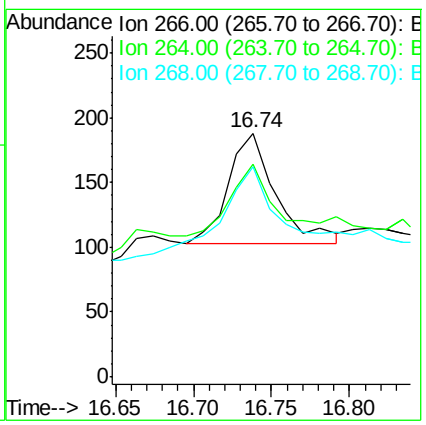


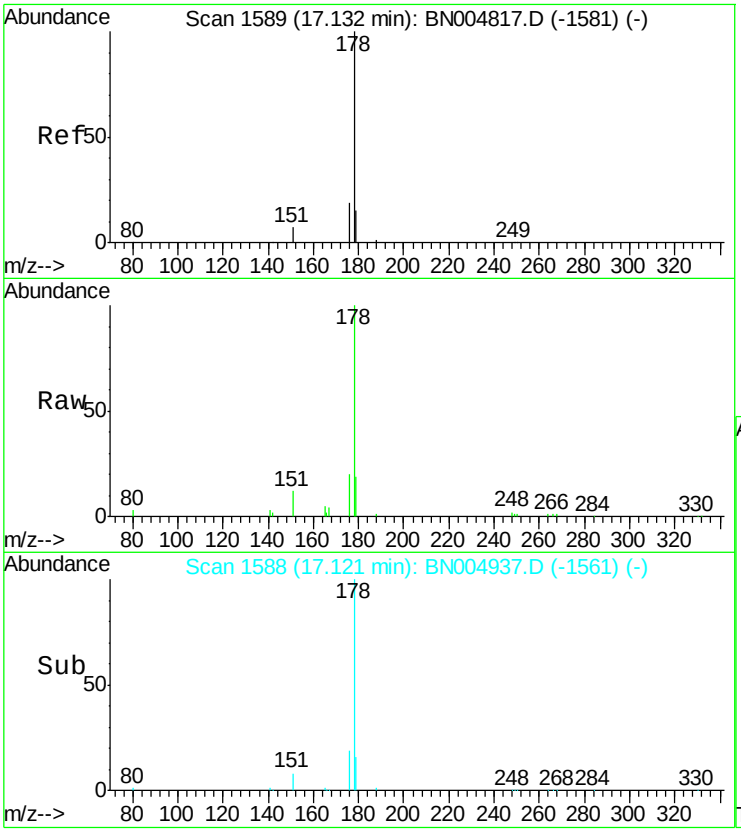


#22
Pentachlorophenol
Concen: 0.099 ng
RT: 16.74 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:266 Resp: 180

Ion	Ratio	Lower	Upper
266	100		
264	87.2	53.1	79.7#
268	86.2	57.7	86.5



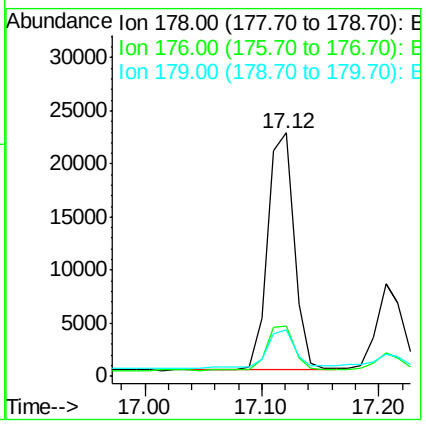


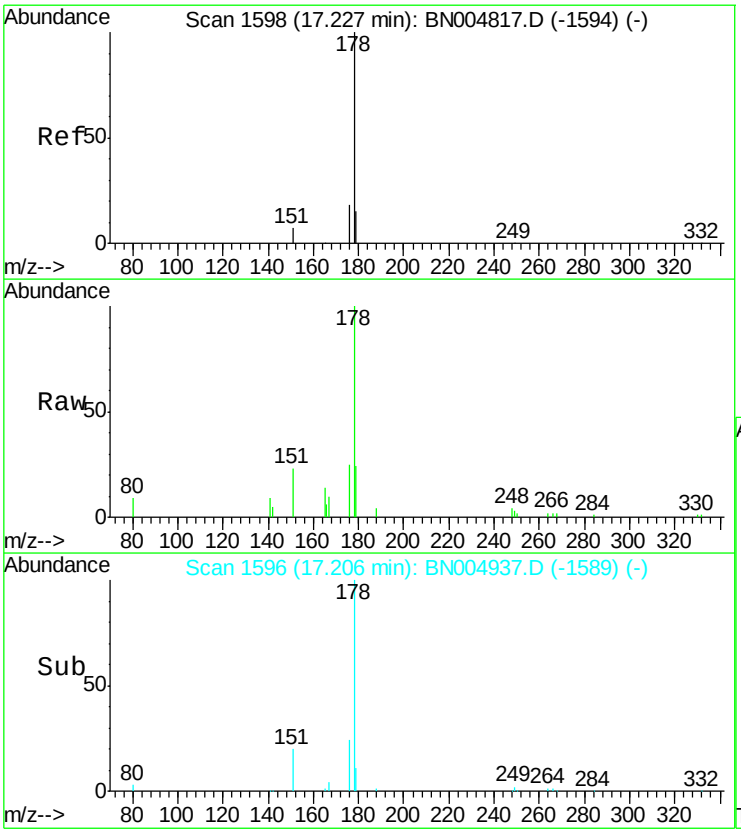
#23
Phenanthrene
Concen: 0.885 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:178 Resp: 35444

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	18.0	12.1	18.1

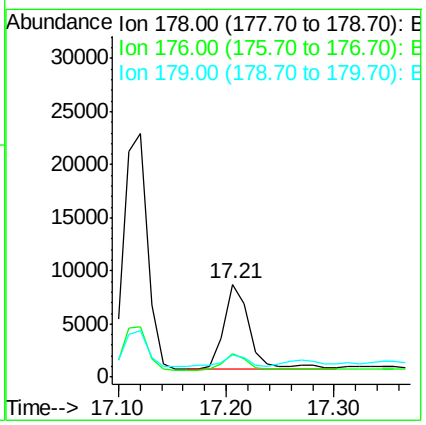


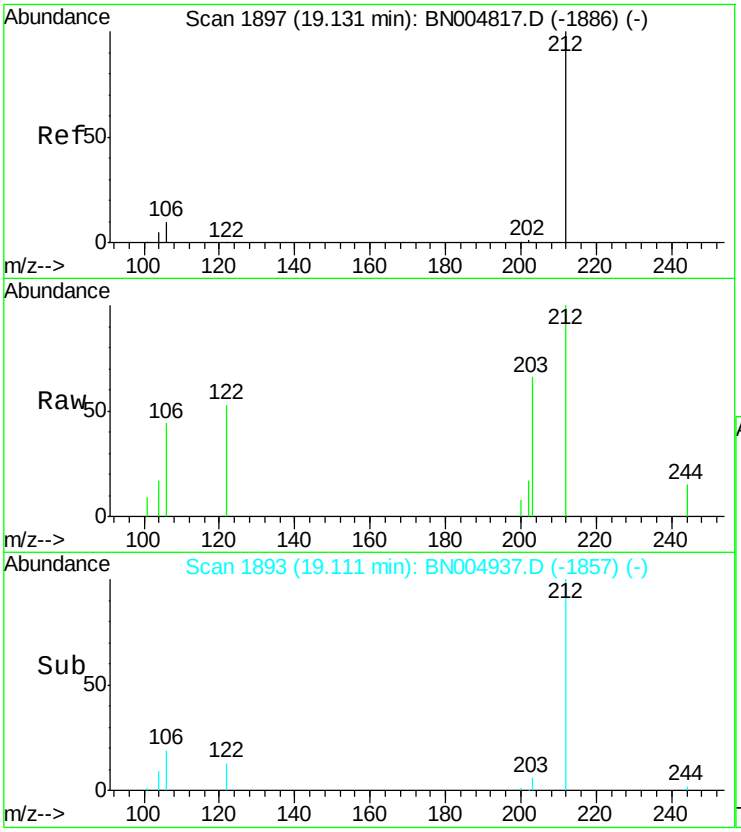


#24
Anthracene
Concen: 0.375 ng
RT: 17.21 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:178 Resp: 13398

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.5	21.7
179	13.4	12.2	18.4



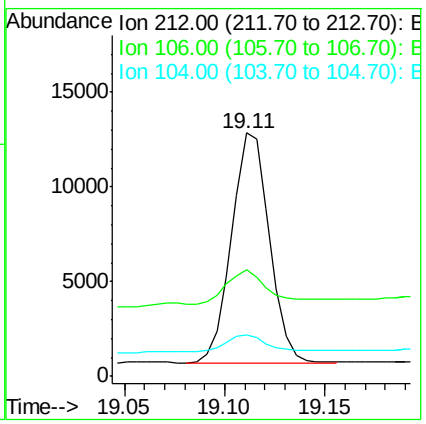


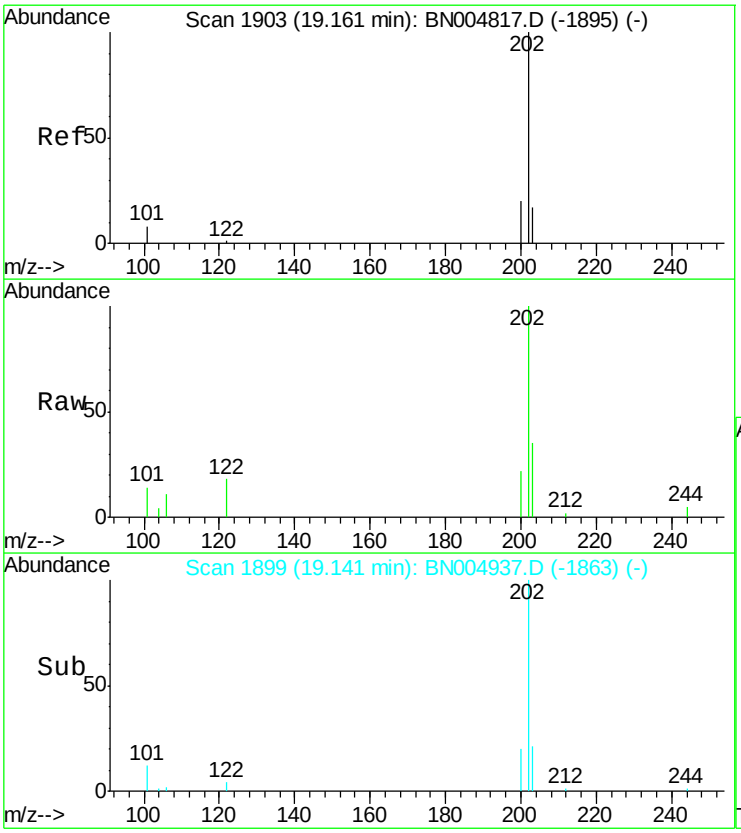
#25
Fluoranthene-d10
Concen: 0.385 ng
RT: 19.11 min Scan# 1893
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:212 Resp: 15975

Ion	Ratio	Lower	Upper
212	100		
106	15.5	8.6	13.0#
104	7.9	4.7	7.1#

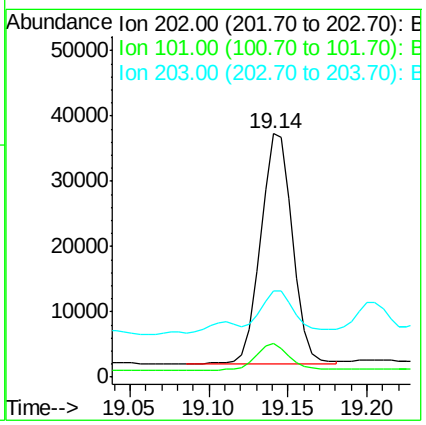


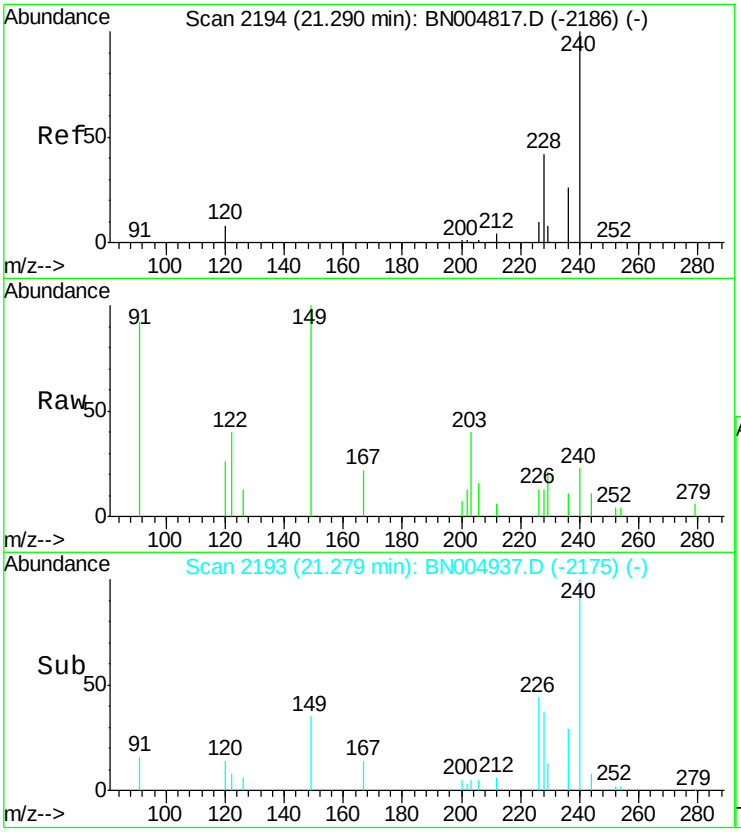


#26
Fluoranthene
Concen: 0.954 ng
RT: 19.14 min Scan# 1899
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:202 Resp: 49101

Ion	Ratio	Lower	Upper
202	100		
101	13.5	7.5	11.3#
203	16.5	13.8	20.6



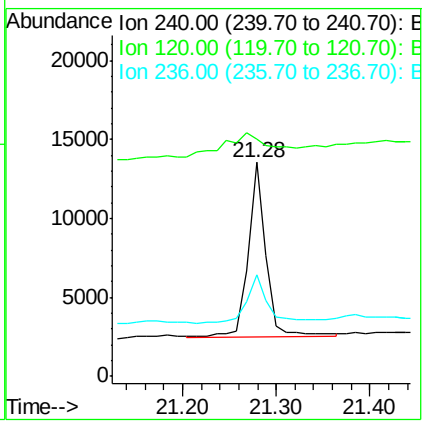


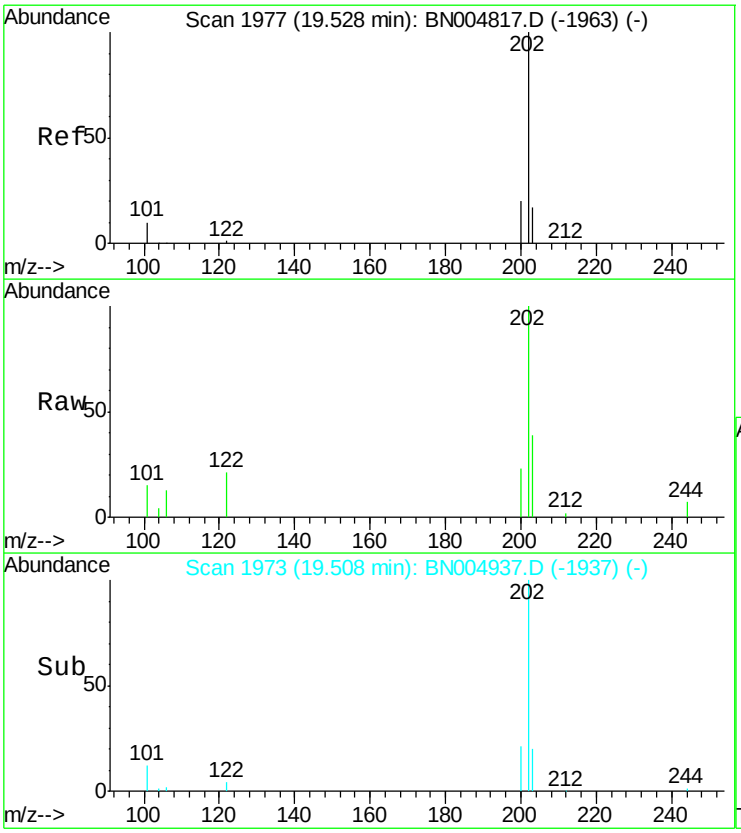
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:240 Resp: 14925

Ion	Ratio	Lower	Upper
240	100		
120	110.9	7.2	10.8#
236	47.5	20.9	31.3#

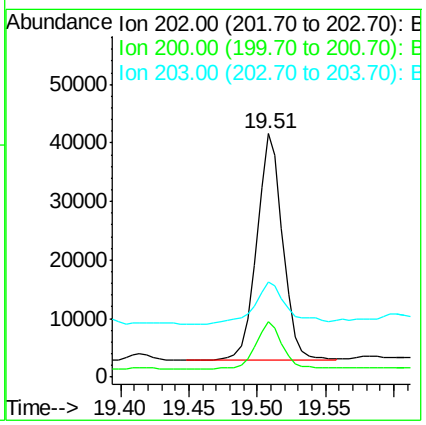


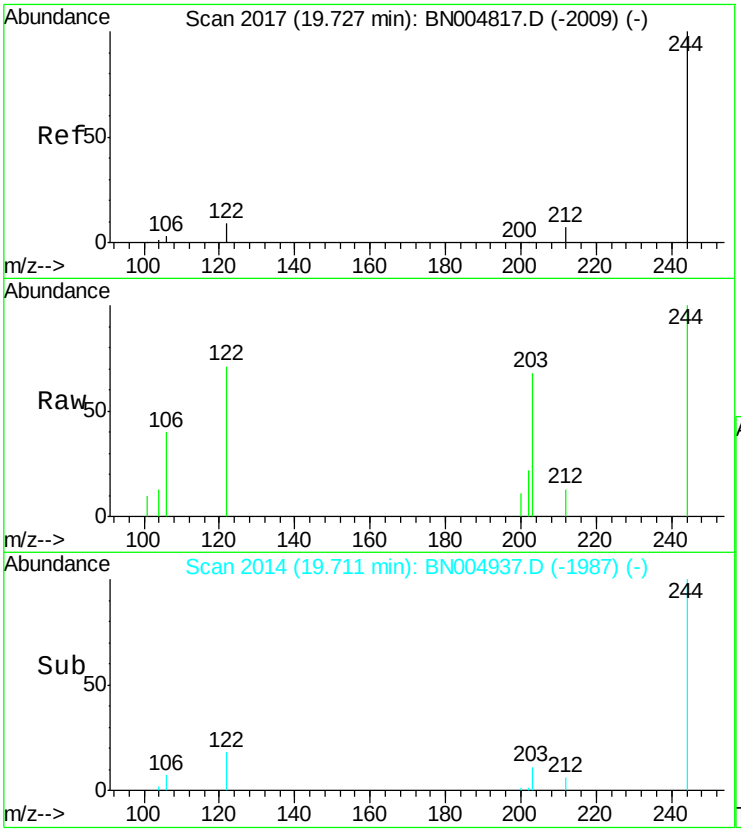


#28
Pyrene
Concen: 1.136 ng
RT: 19.51 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:202 Resp: 51703

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.3	24.5
203	23.7	14.0	21.0#



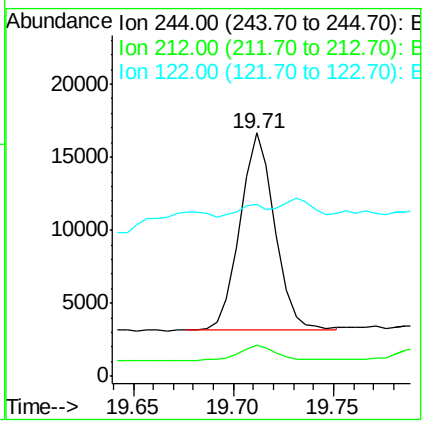


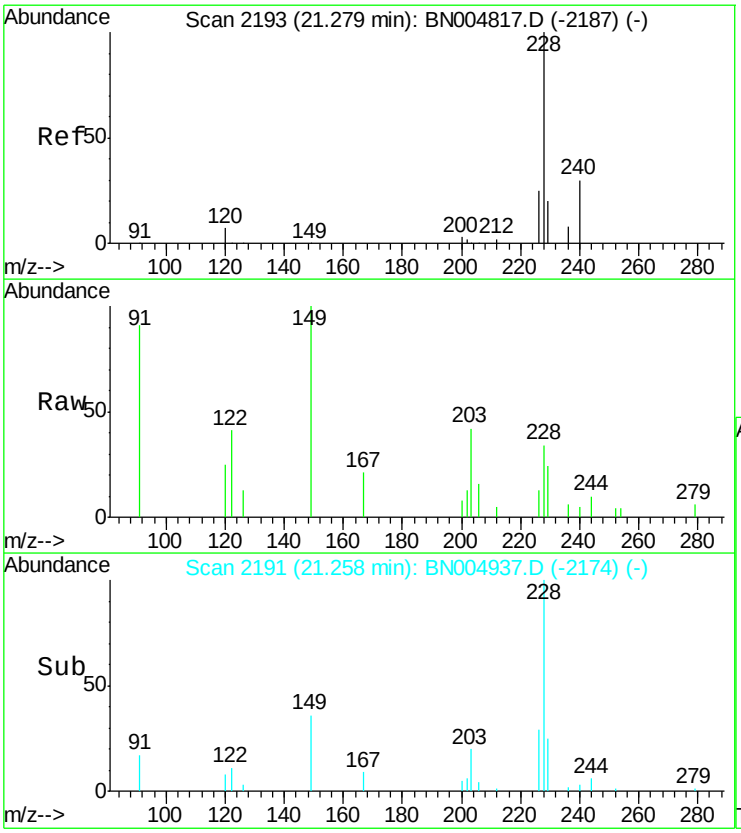
#29
Terphenyl-d14
Concen: 0.532 ng
RT: 19.71 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:244 Resp: 16260

Ion	Ratio	Lower	Upper
244	100		
212	12.8	5.8	8.6#
122	70.7	7.9	11.9#

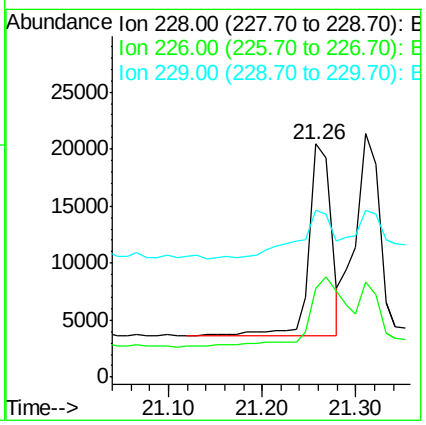


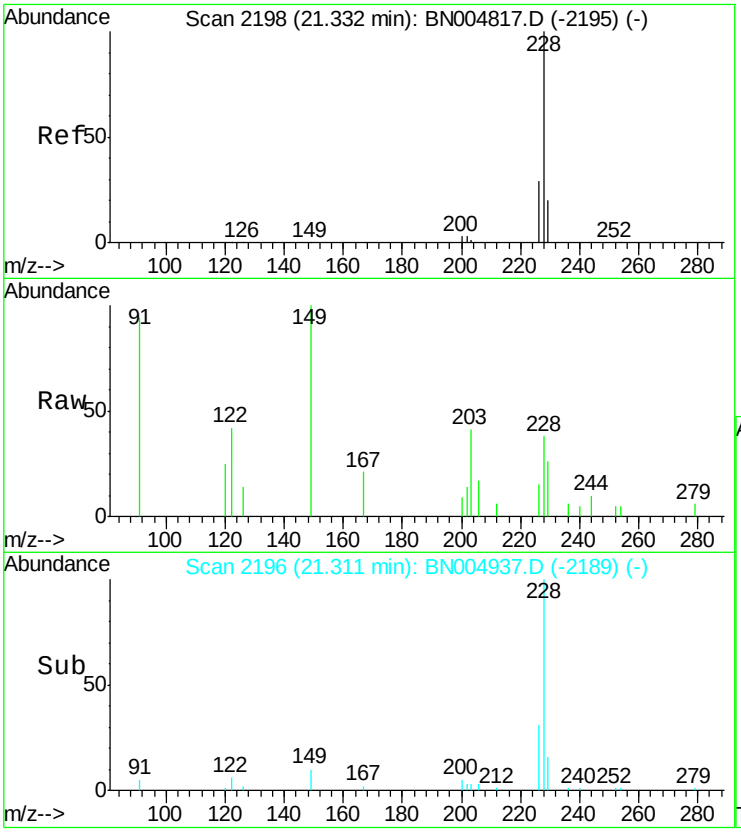


#30
Benzo(a)anthracene
Concen: 0.564 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:228 Resp: 27611

Ion	Ratio	Lower	Upper
228	100		
226	37.8	20.6	31.0#
229	71.6	16.2	24.4#



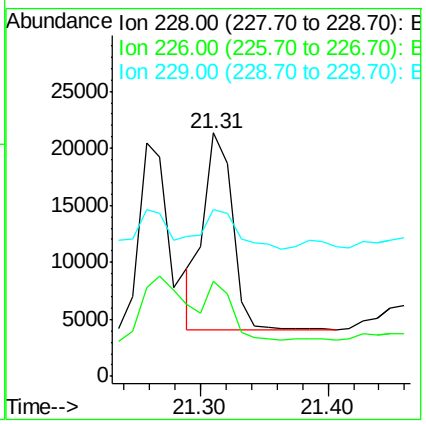


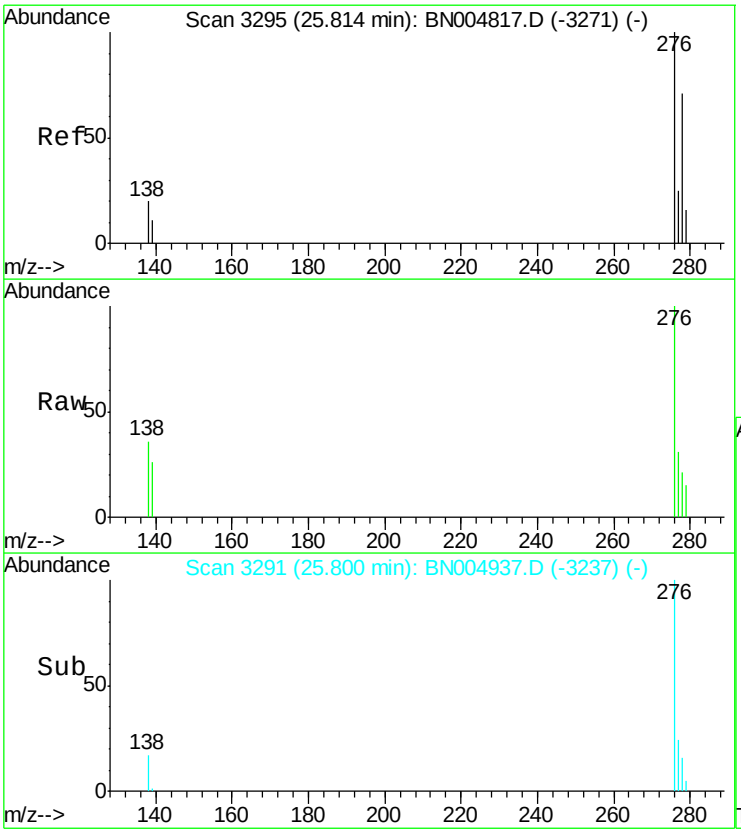
#31
Chrysene
Concen: 0.524 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:228 Resp: 27018

Ion	Ratio	Lower	Upper
228	100		
226	39.1	23.0	34.6#
229	68.4	16.2	24.2#

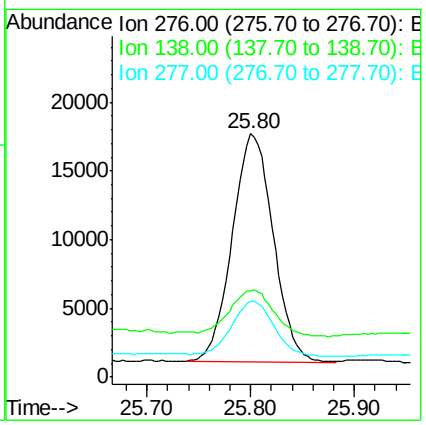


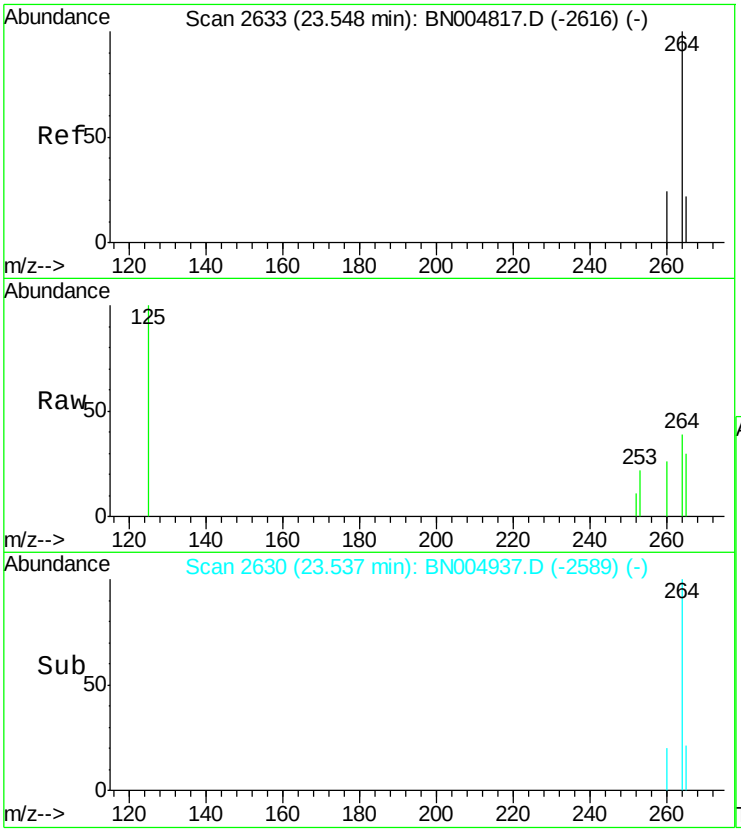


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.610 ng
RT: 25.80 min Scan# 3291
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:276 Resp: 45470

Ion	Ratio	Lower	Upper
276	100		
138	22.3	16.6	24.8
277	25.1	20.3	30.5



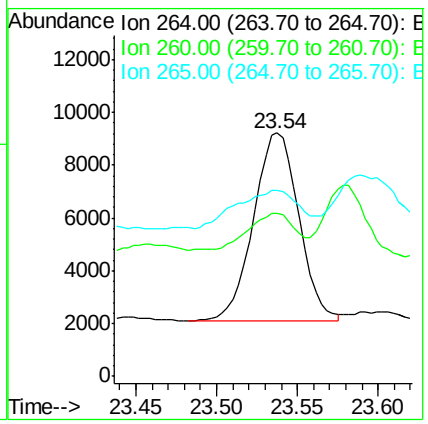


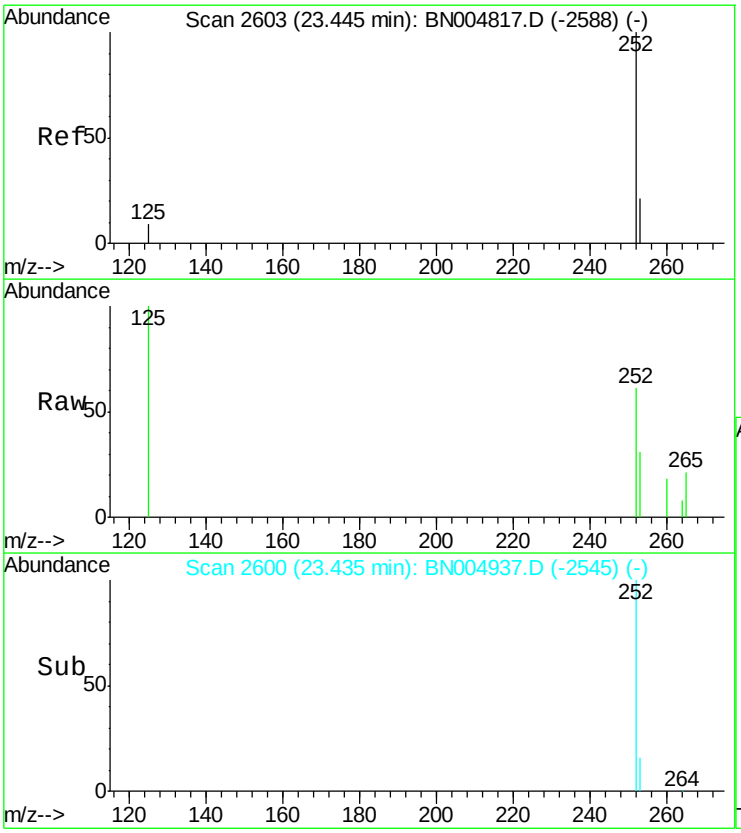
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2630
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:264 Resp: 13954

Ion	Ratio	Lower	Upper
264	100		
260	66.9	19.5	29.3#
265	76.3	23.1	34.7#

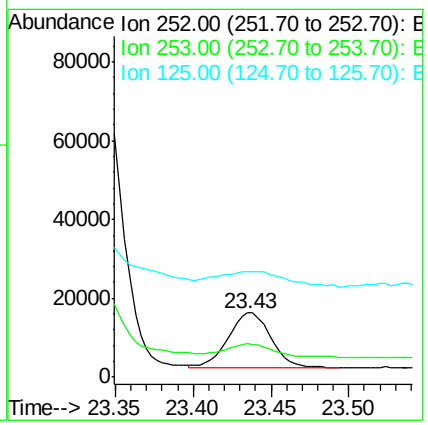


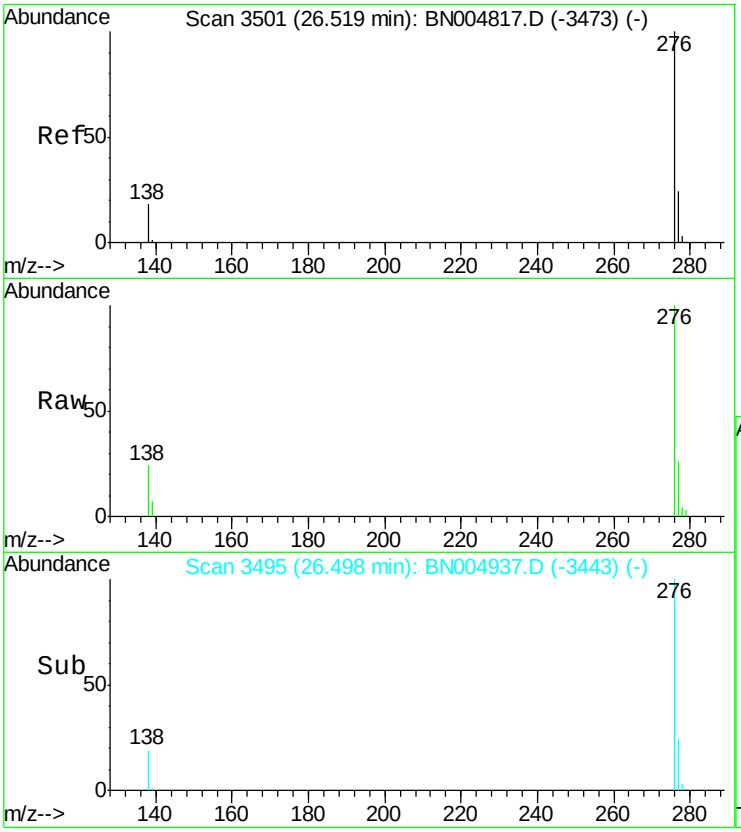


#37
Benzo(a)pyrene
Concen: 0.563 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Tgt Ion:252 Resp: 26088

Ion	Ratio	Lower	Upper
252	100		
253	51.6	19.7	29.5#
125	164.4	8.3	12.5#





#39
Benzo(g,h,i)perylene
Concen: 2.837 ng
RT: 26.50 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BN004937.D
Acq: 24 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW040-031919

Tgt Ion:276 Resp: 155009

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.7	29.5
138	24.0	14.6	22.0#