Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004955.D
Acq On : 25 Mar 2019 11:49
Operator : JU/SJ
Sample : K1817-08DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-027-SW007-030719DL

Quant Time: Mar 26 01:30:45 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	3850	0.40	ng		-0.02
7) Naphthalene-d8	10.47	136	15084	0.40	ng		-0.03
13) Acenaphthene-d10	14.32	164	7555	0.40	ng		-0.02
19) Phenanthrene-d10	17.08	188	15943	0.40	ng		-0.01
27) Chrysene-d12	21.28	240	18497	0.40	ng		-0.01
34) Perylene-d12	23.53	264	19442	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	852	0.08	ng		0.00
5) Phenol-d6	6.87	99	1021	0.08	ng		0.00
8) Nitrobenzene-d5	8.86	82	789	0.08	ng		-0.01
11) 2-Methylnaphthalene-d10	12.07	152	1700	0.06	ng		-0.01
14) 2,4,6-Tribromophenol	15.84	330	330	0.06	ng		-0.01
15) 2-Fluorobiphenyl	12.94	172	2436	0.08	ng		-0.02
25) Fluoranthene-d10	19.12	212	3208	0.06	ng		-0.01
29) Terphenyl-d14	19.71	244	2513	0.07	ng		-0.01
Target Compounds							Qvalue
9) Naphthalene	10.52	128	6208	0.147	ng		99
12) 2-Methylnaphthalene	12.14	142	3888	0.124	ng		97
16) Acenaphthylene	14.04	152	5502	0.141	ng		98
17) Acenaphthene	14.39	154	10388	0.408	ng		99
18) Fluorene	15.38	166	12330	0.347	ng		97
23) Phenanthrene	17.12	178	189593	3.683	ng		99
24) Anthracene	17.21	178	40719	0.886	ng	#	91
26) Fluoranthene	19.15	202	225874	3.414	ng		98
28) Pyrene	19.51	202	186113	3.300	ng	#	94
30) Benzo(a)anthracene	21.26	228	124106	2.046	ng		98
31) Chrysene	21.32	228	95490m	1.495	ng		
32) Bis(2-ethylhexyl)phthalate	21.17	149	1634	0.067	ng	#	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	48086	0.520	ng		100
35) Benzo(b)fluoranthene	22.86	252	113194	1.609	ng	#	98
36) Benzo(k)fluoranthene	22.89	252	45232m	0.654	ng		
37) Benzo(a)pyrene	23.43	252	85452	1.324	ng		98
38) Dibenzo(a,h)anthracene	25.80	278	16059	0.215	ng	#	79
39) Benzo(g,h,i)perylene	26.49	276	40600	0.533	ng	#	95

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

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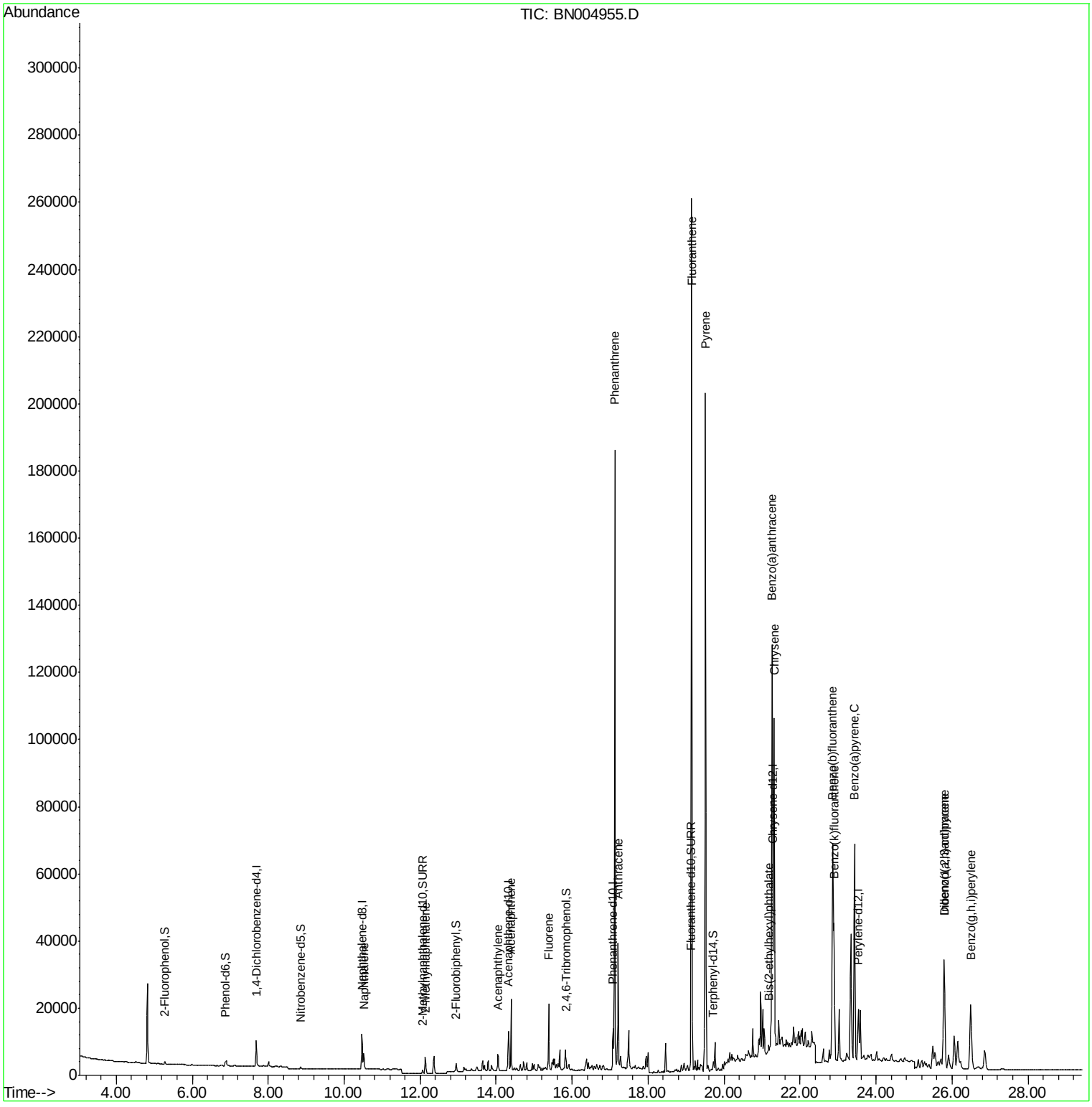
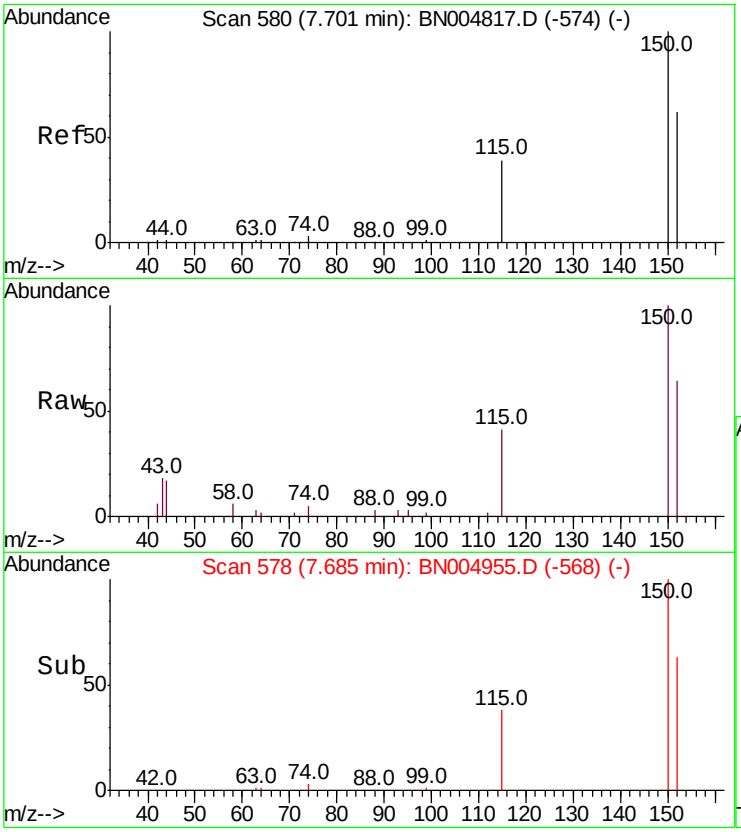


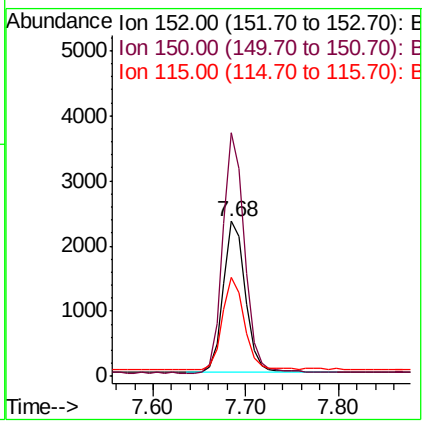


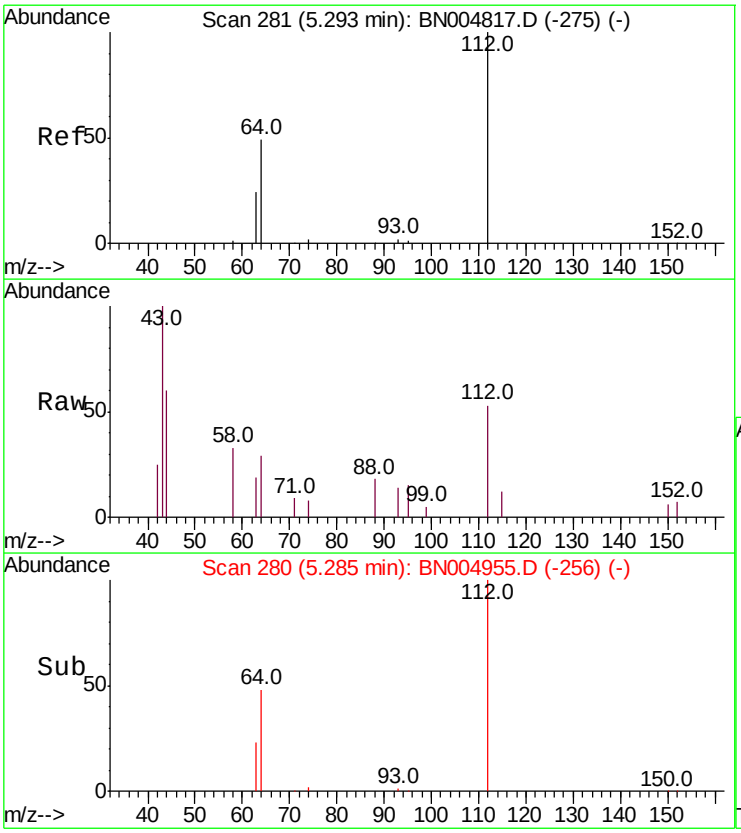
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:152 Resp: 3850

Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.4
115	63.9	52.6	79.0

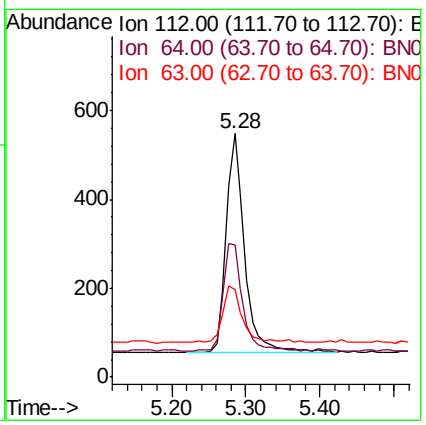


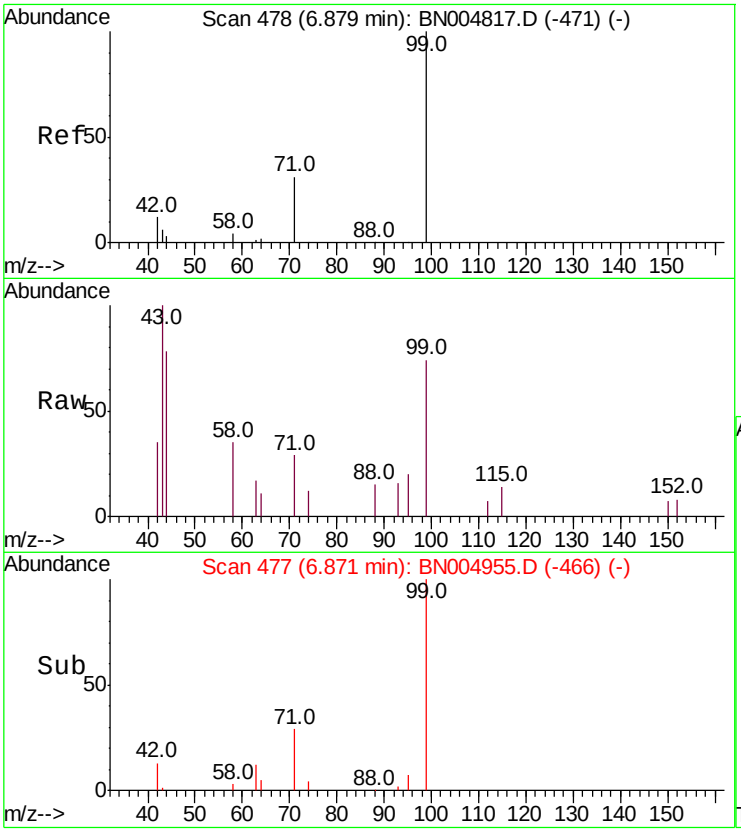


#4
2-Fluorophenol
Concen: 0.081 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:112 Resp: 852

Ion	Ratio	Lower	Upper
112	100		
64	52.0	40.0	60.0
63	31.6	20.2	30.2#



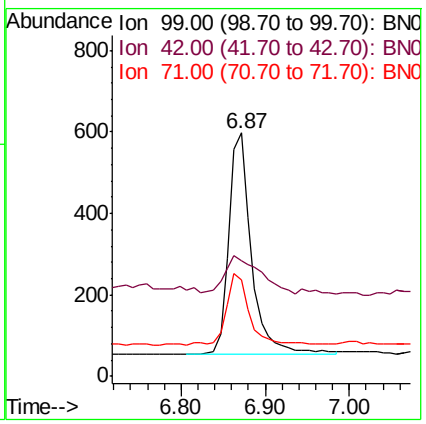


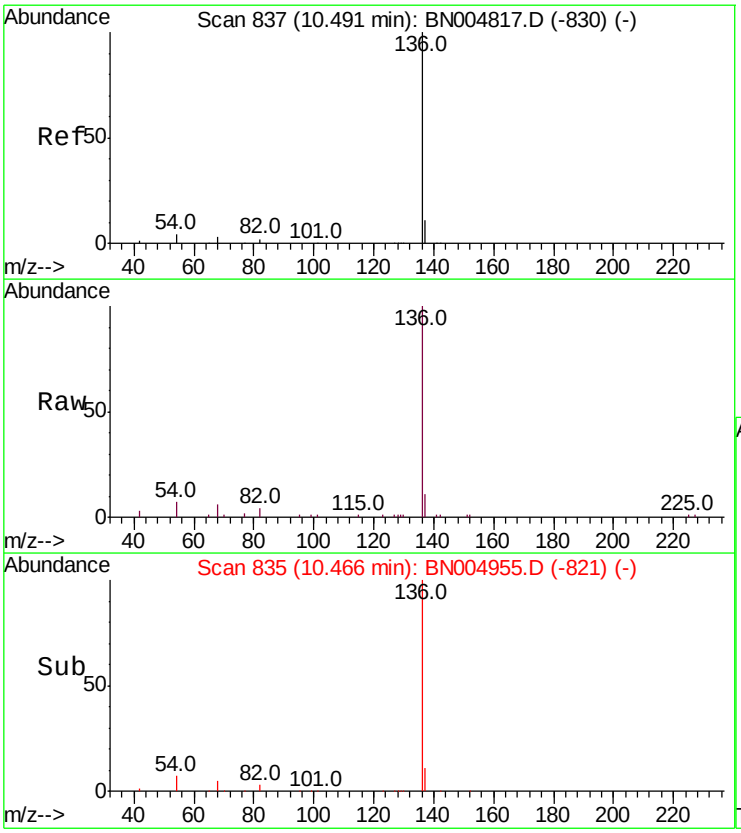
#5
Phenol-d6
Concen: 0.078 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion: 99 Resp: 1021

Ion	Ratio	Lower	Upper
99	100		
42	27.3	12.7	19.1#
71	31.4	26.6	40.0

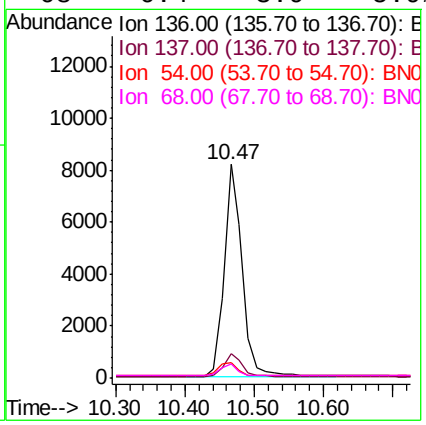


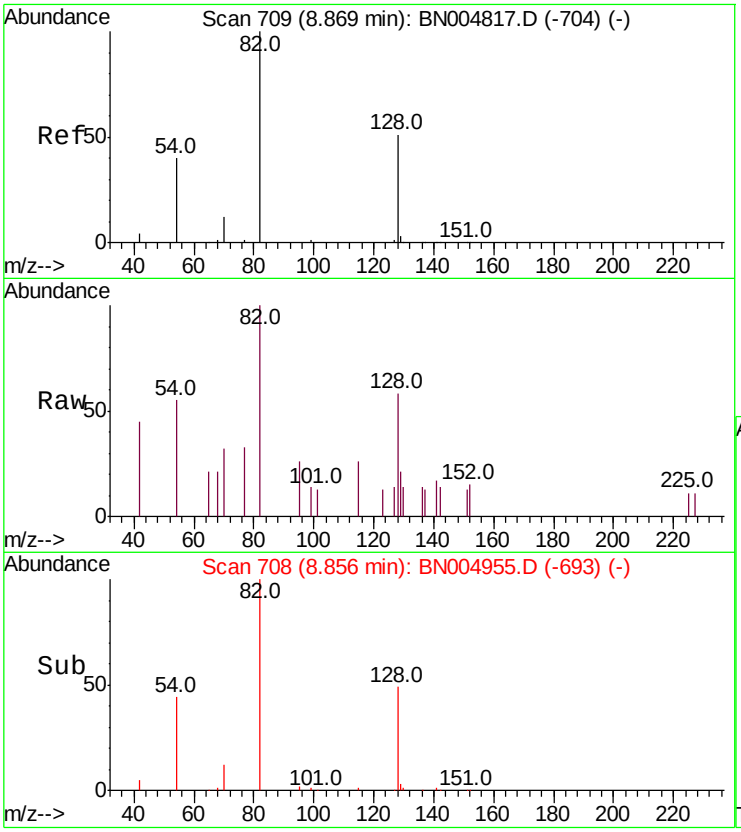


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.03 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:136 Resp: 15084

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	7.5	4.2	6.2#
68	6.4	3.9	5.9#



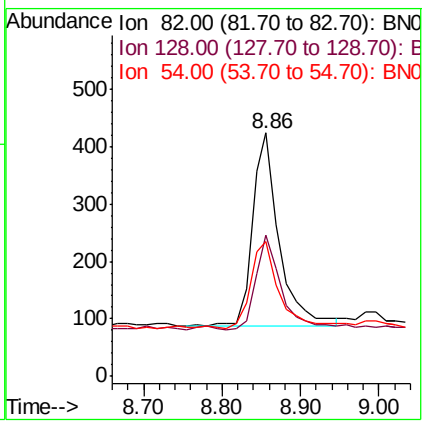


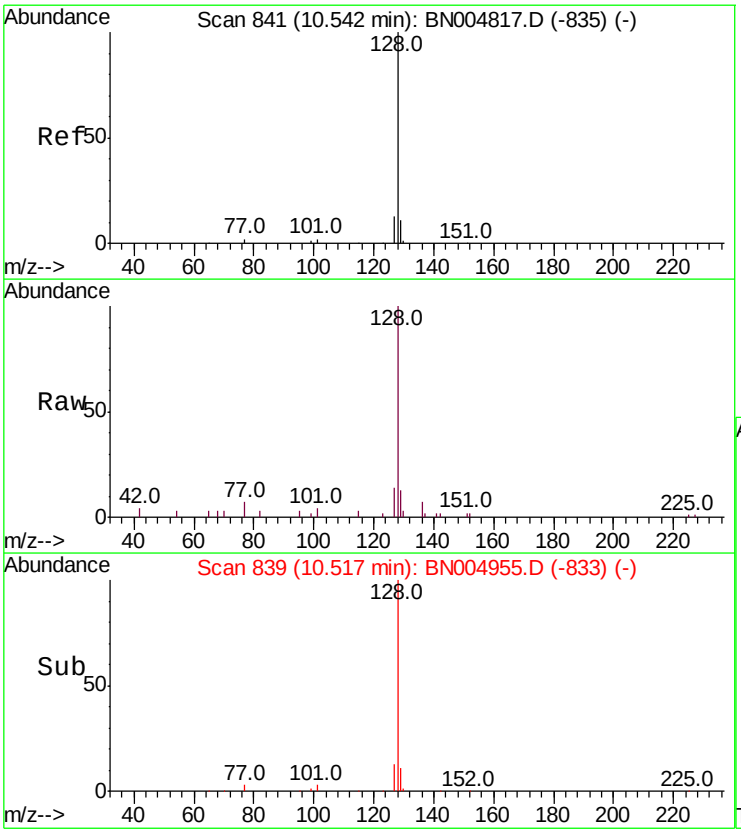
#8
Nitrobenzene-d5
Concen: 0.079 ng
RT: 8.86 min Scan# 708
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion: 82 Resp: 789

Ion	Ratio	Lower	Upper
82	100		
128	58.0	43.0	64.6
54	55.2	35.3	52.9#

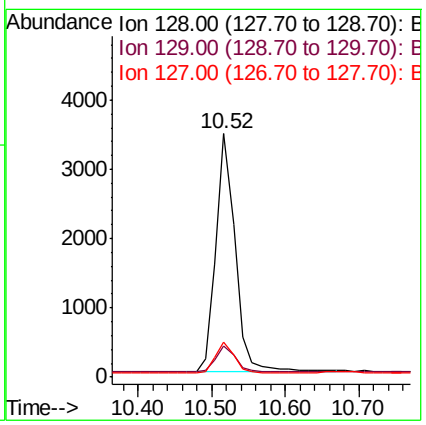


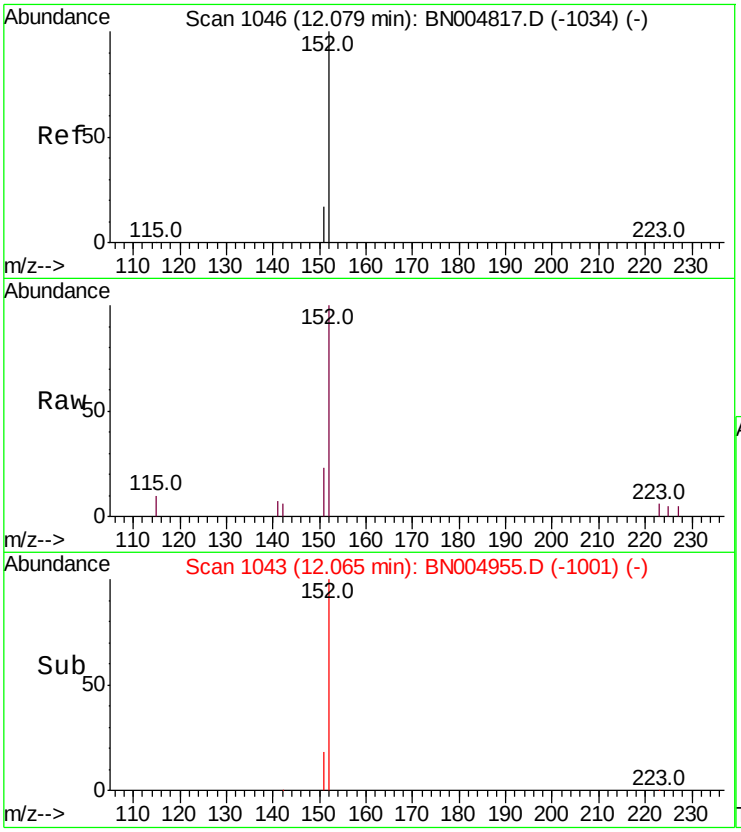


#9
Naphthalene
Concen: 0.147 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.03 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:128 Resp: 6208

Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.9	14.9
127	14.5	11.3	16.9



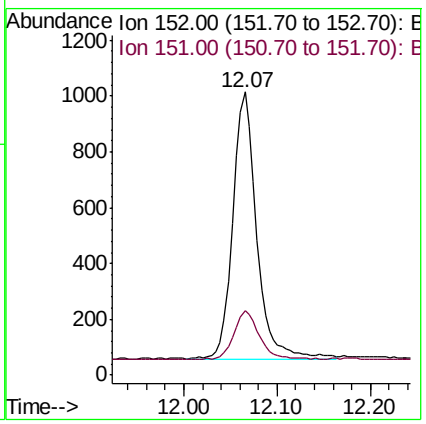


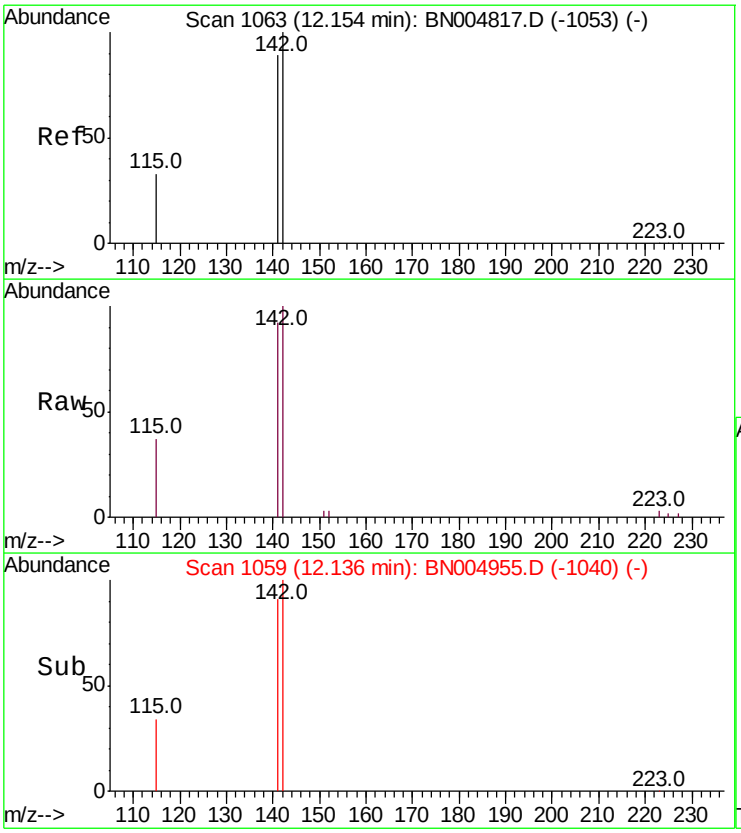
#11
2-Methylnaphthalene-d10
Concen: 0.065 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:152 Resp: 1700

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3

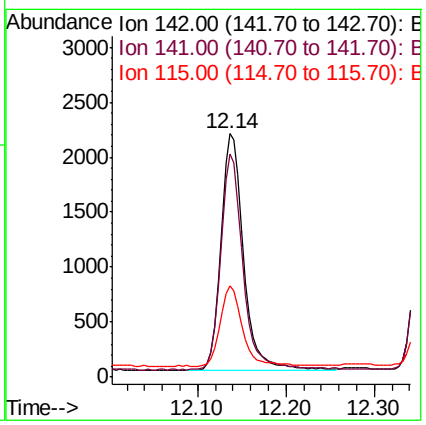


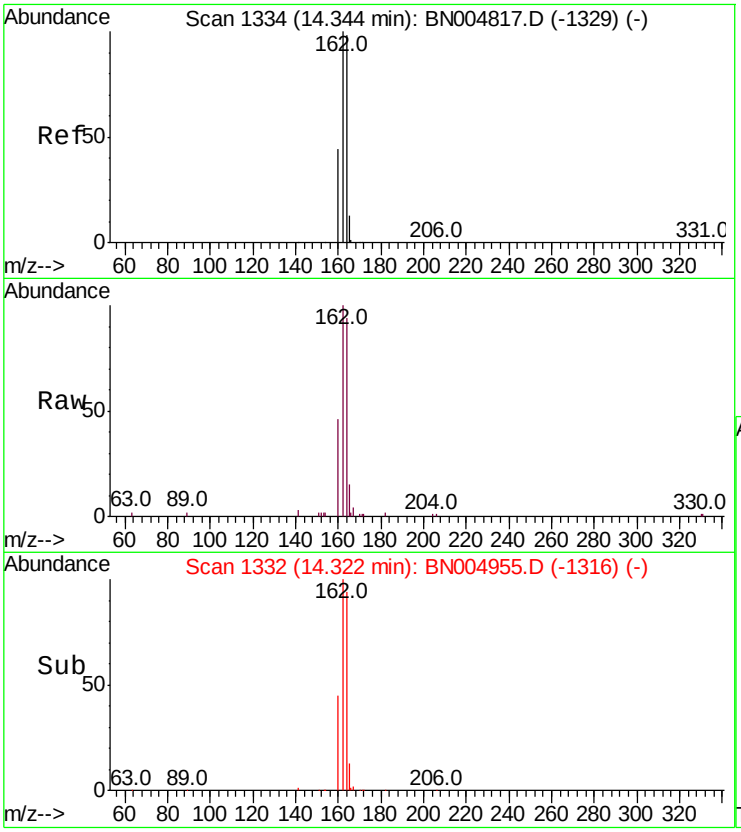


#12
2-Methylnaphthalene
Concen: 0.124 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:142 Resp: 3888

Ion	Ratio	Lower	Upper
142	100		
141	91.8	71.4	107.2
115	37.4	27.5	41.3



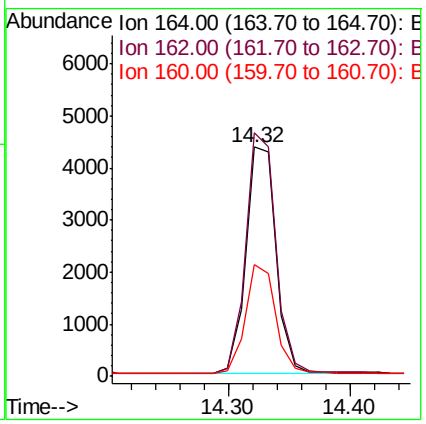


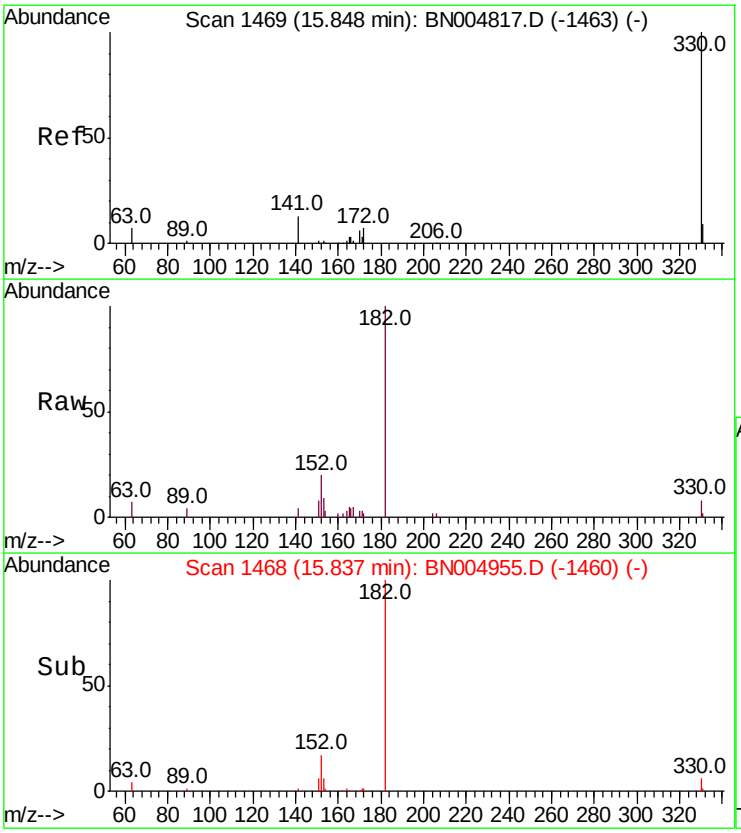
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:164 Resp: 7555

Ion	Ratio	Lower	Upper
164	100		
162	106.3	81.9	122.9
160	48.9	36.6	54.8

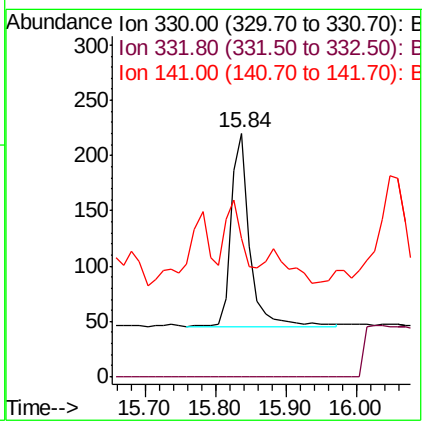


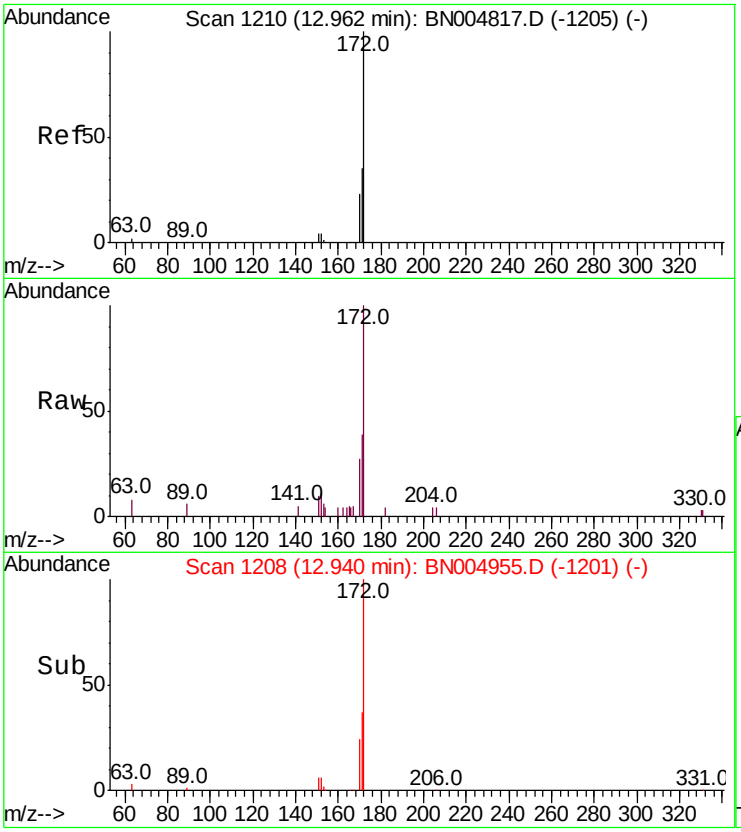


#14
2,4,6-Tribromophenol
Concen: 0.063 ng
RT: 15.84 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:330 Resp: 330

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.5	20.9	31.3#



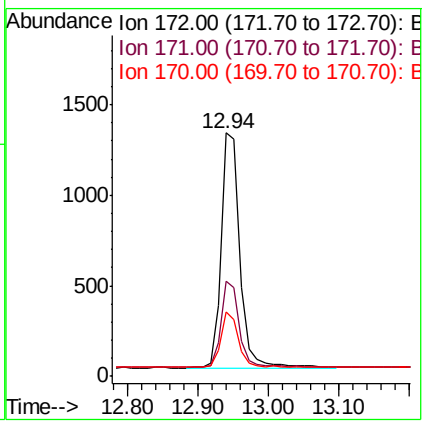


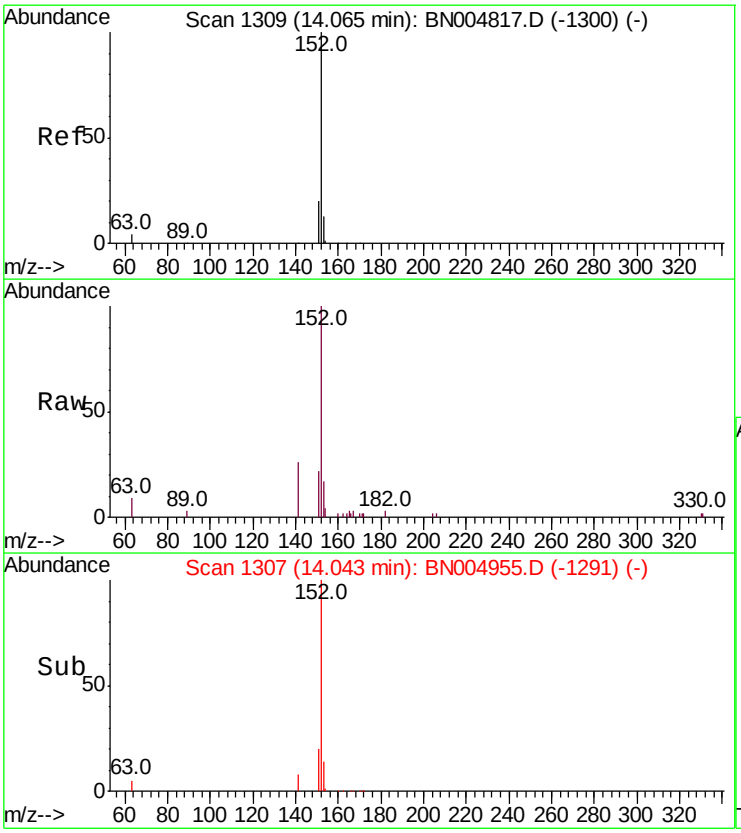
#15
2-Fluorobiphenyl
Concen: 0.078 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:172 Resp: 2436

Ion	Ratio	Lower	Upper
172	100		
171	39.1	28.7	43.1
170	26.7	18.7	28.1

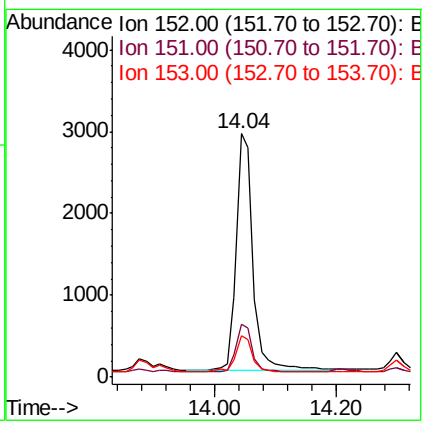


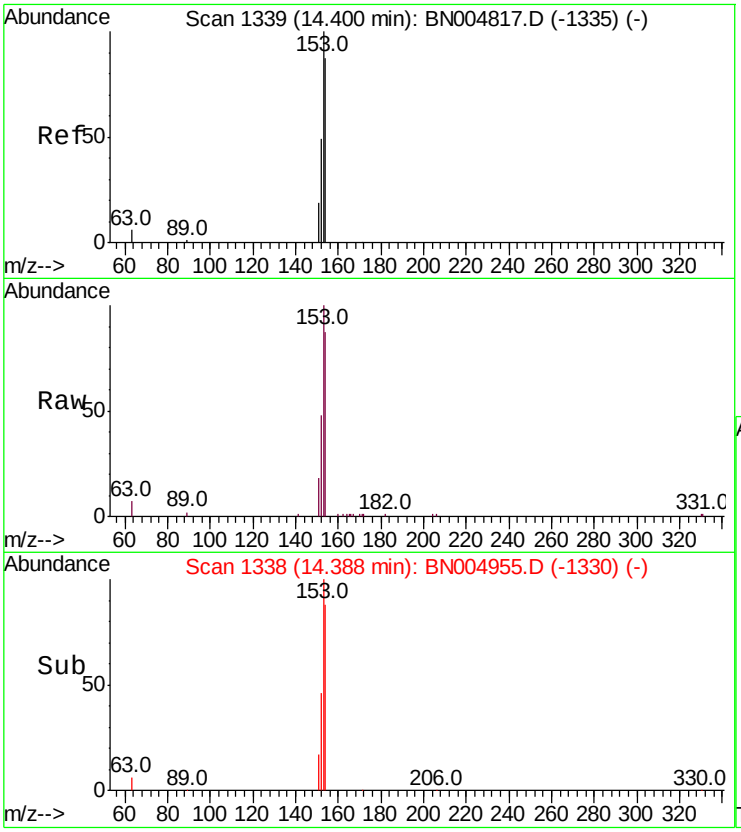


#16
Acenaphthylene
Concen: 0.141 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:152 Resp: 5502

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	14.7	10.5	15.7



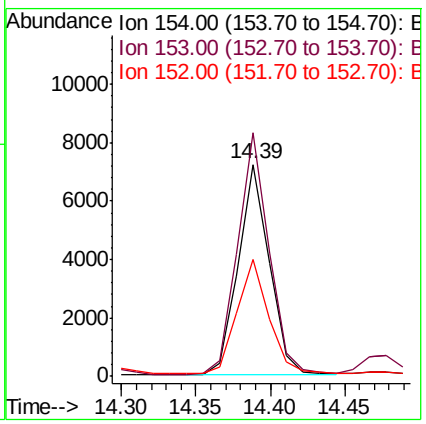


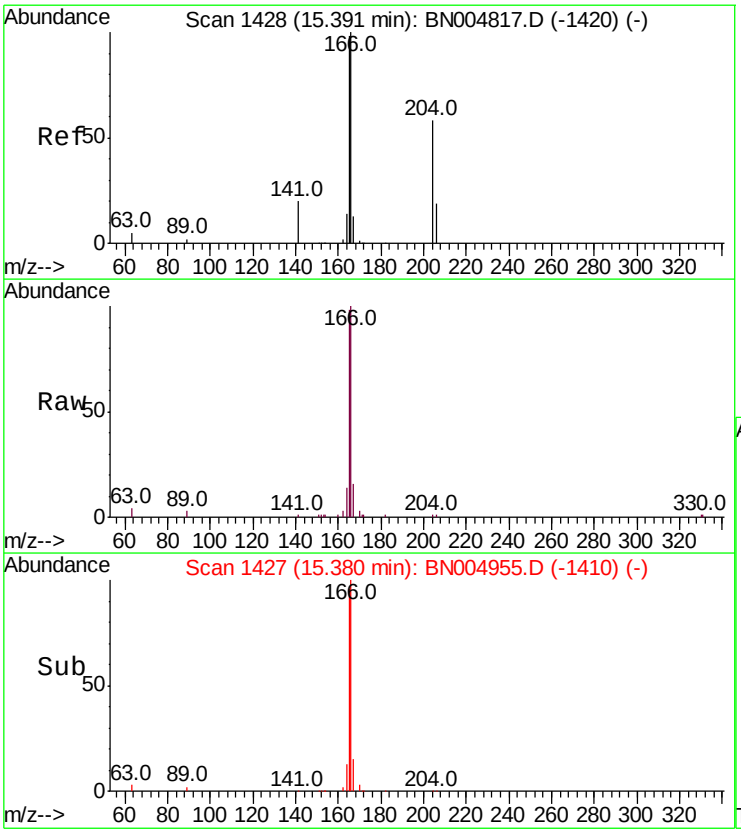
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:154 Resp: 10388

Ion	Ratio	Lower	Upper
154	100		
153	115.7	91.4	137.2
152	55.7	44.2	66.2

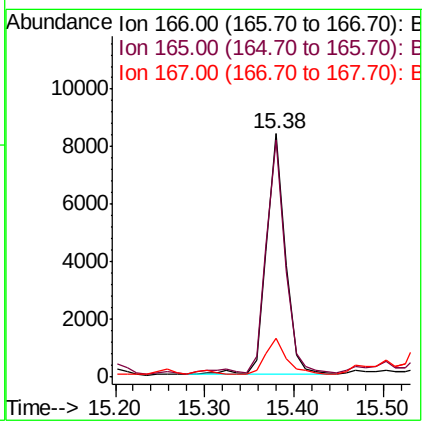


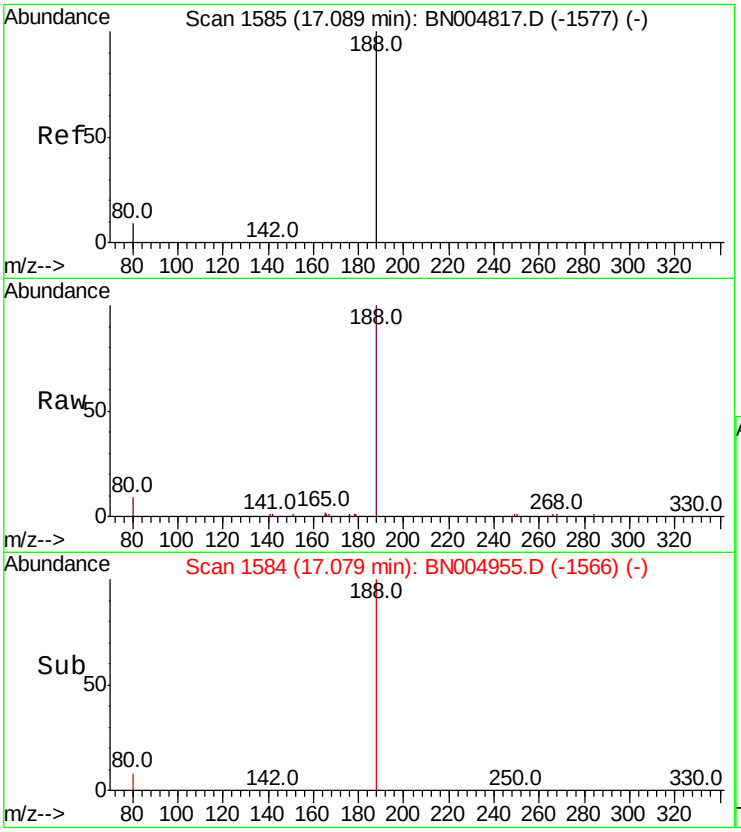


#18
Fluorene
Concen: 0.347 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:166 Resp: 12330

Ion	Ratio	Lower	Upper
166	100		
165	95.0	78.2	117.4
167	16.4	11.0	16.4



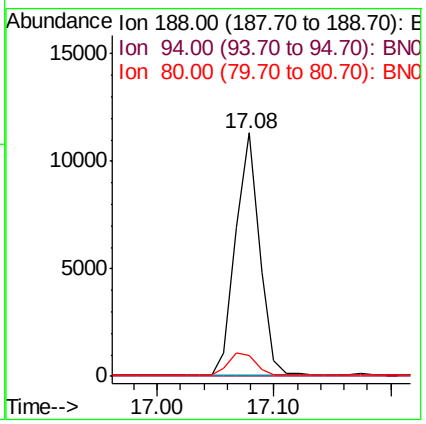


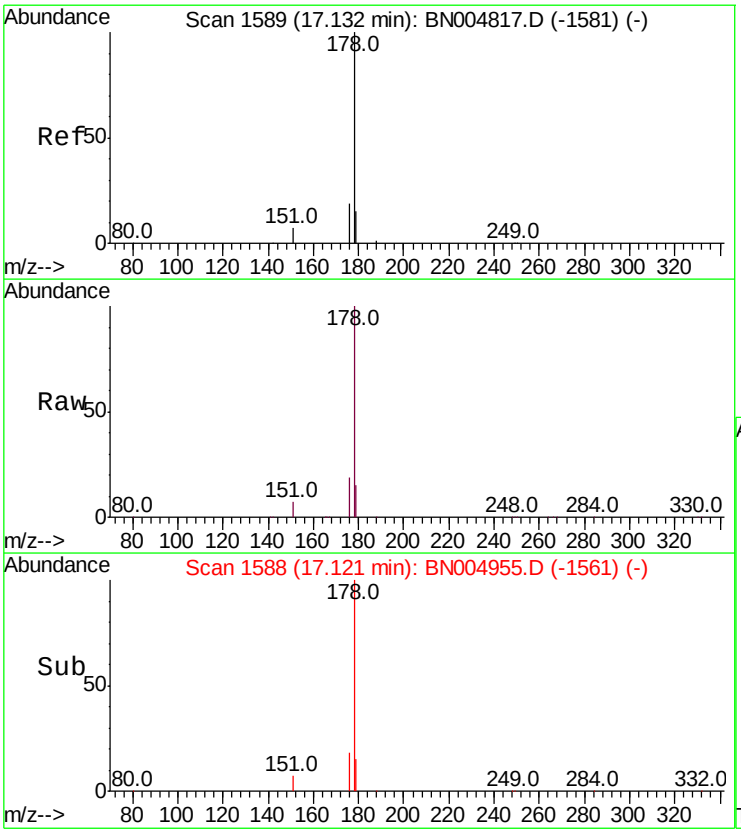
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:188 Resp: 15943

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.2

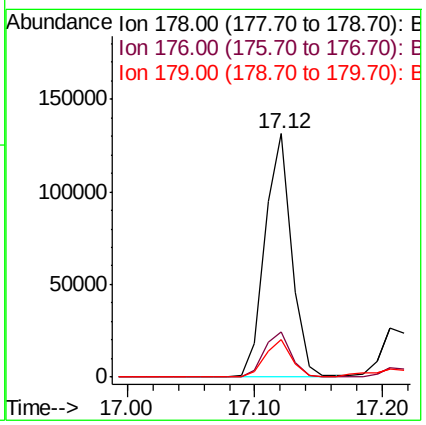


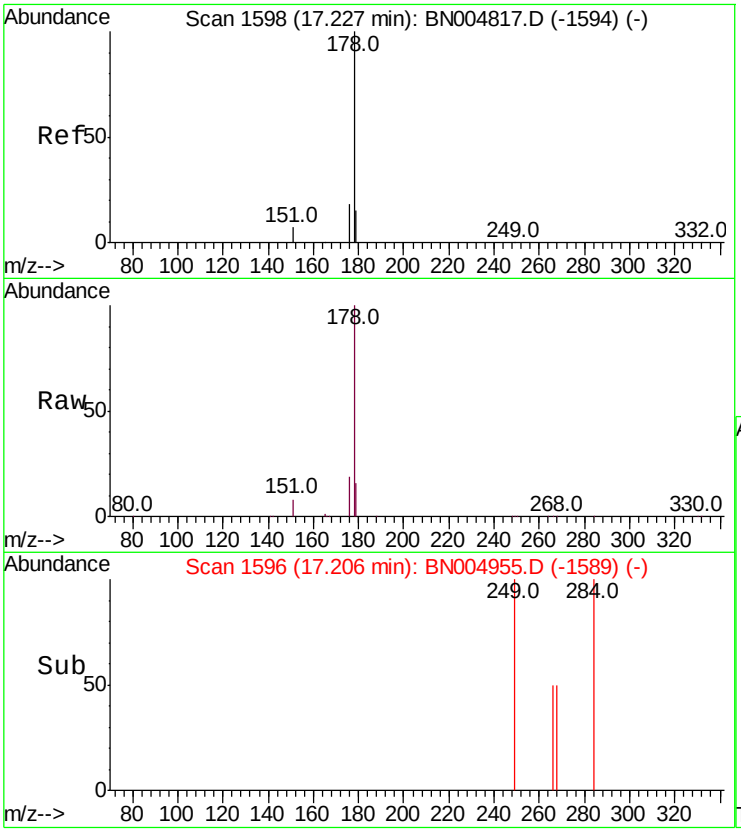


#23
Phenanthrene
Concen: 3.683 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:178 Resp: 189593

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.3	12.1	18.1



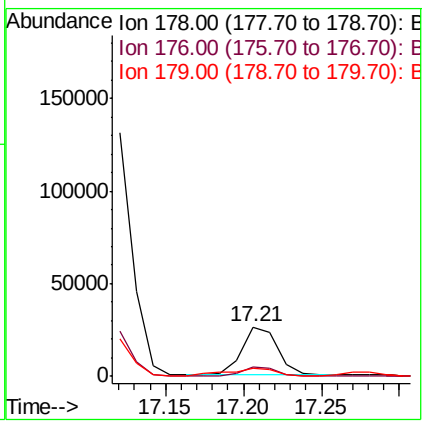


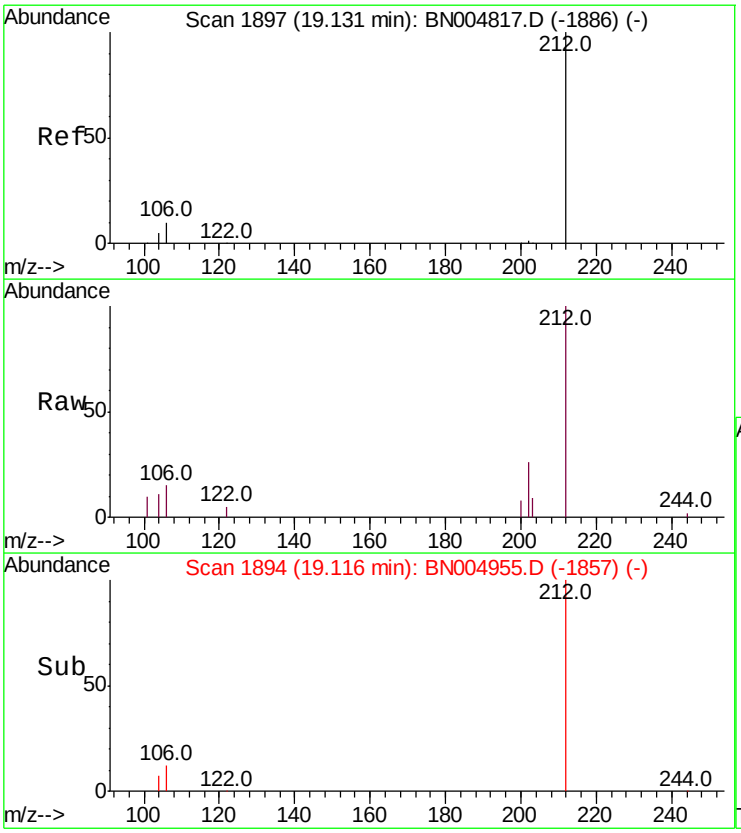
#24
Anthracene
Concen: 0.886 ng
RT: 17.21 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:178 Resp: 40719

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.5	21.7
179	22.0	12.2	18.4#

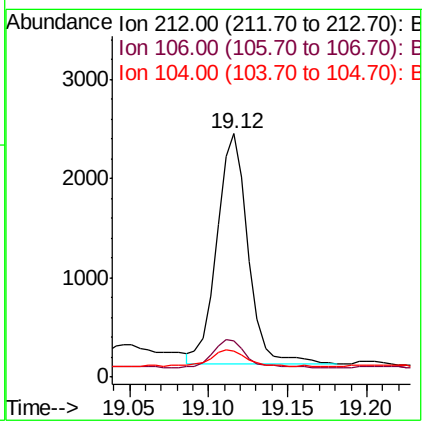


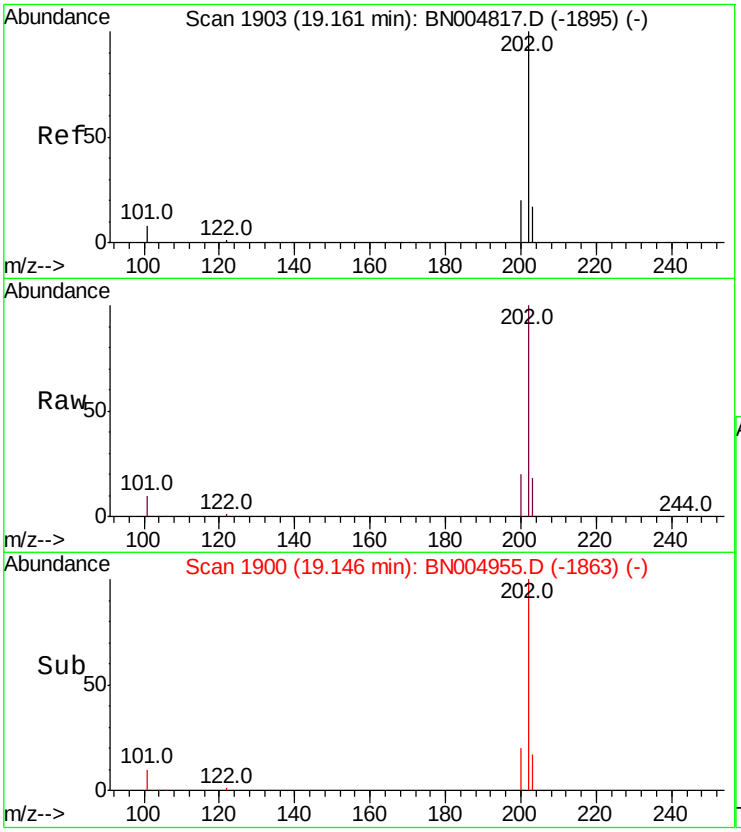


#25
Fluoranthene-d10
Concen: 0.060 ng
RT: 19.12 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:212 Resp: 3208

Ion	Ratio	Lower	Upper
212	100		
106	12.9	8.6	13.0
104	8.1	4.7	7.1#



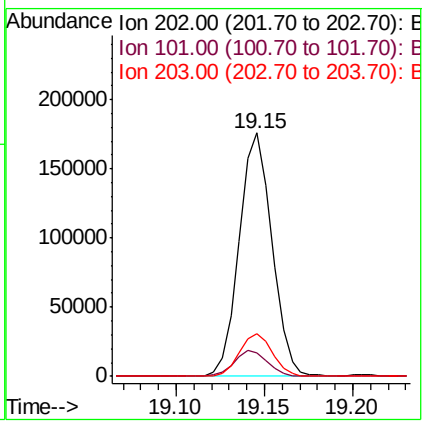


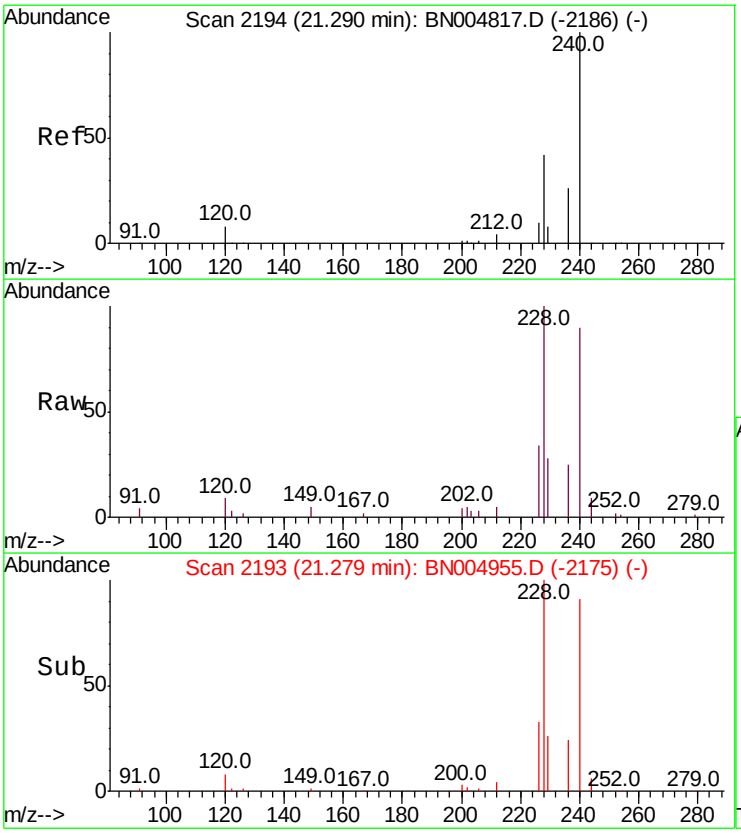
#26
Fluoranthene
Concen: 3.414 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:202 Resp: 225874

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.5	11.3
203	17.5	13.8	20.6

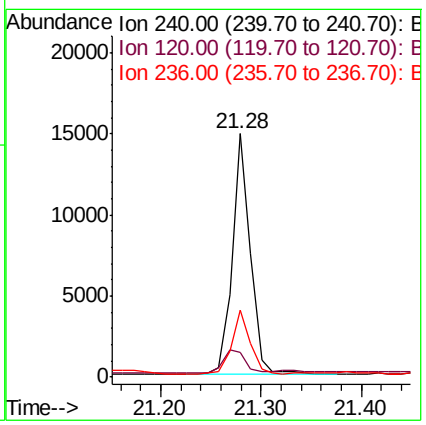


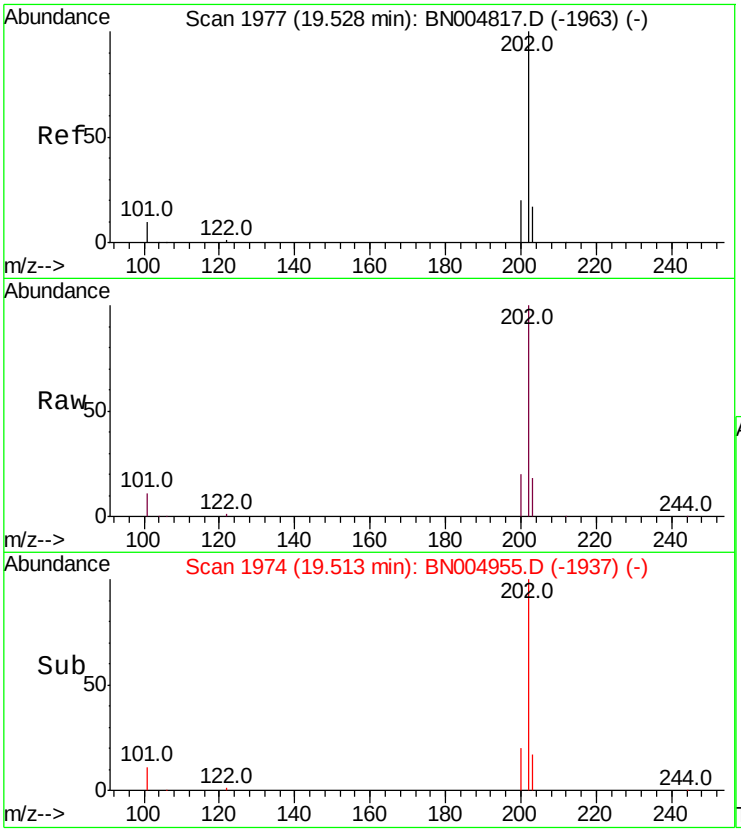


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:240 Resp: 18497

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.2	10.8
236	27.6	20.9	31.3



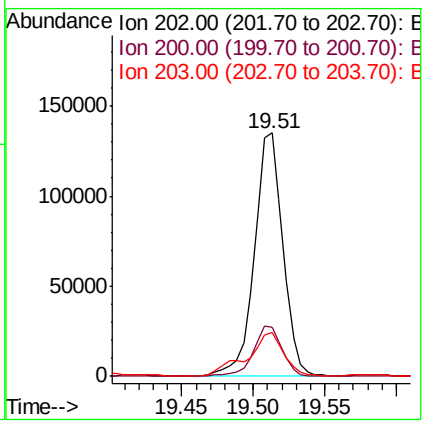


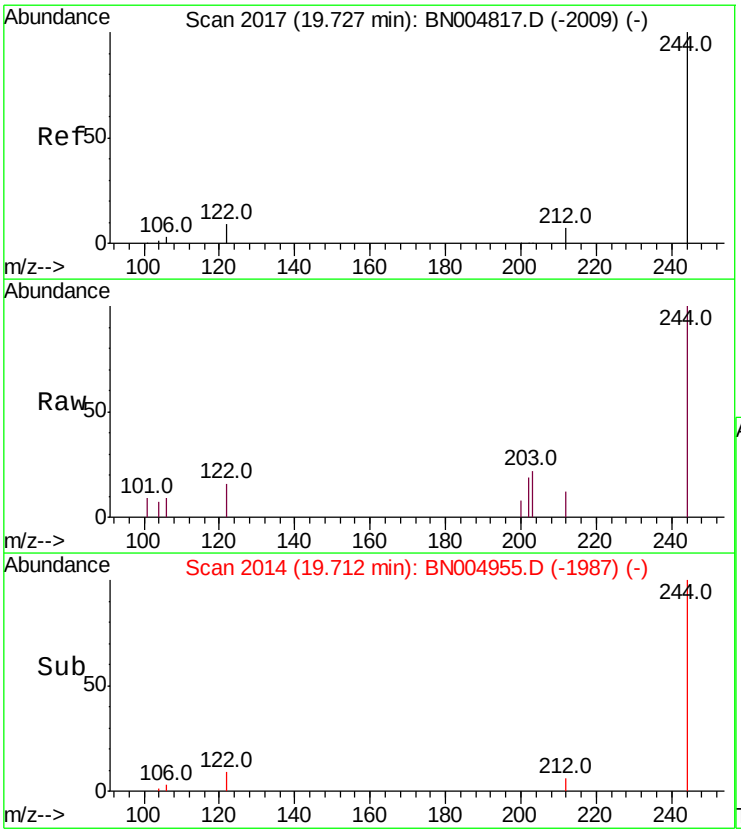
#28
Pyrene
Concen: 3.300 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:202 Resp: 186113

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	23.0	14.0	21.0#

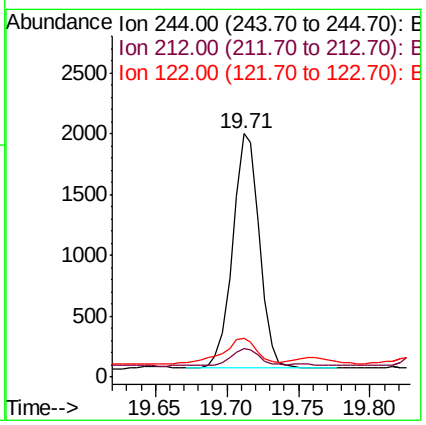


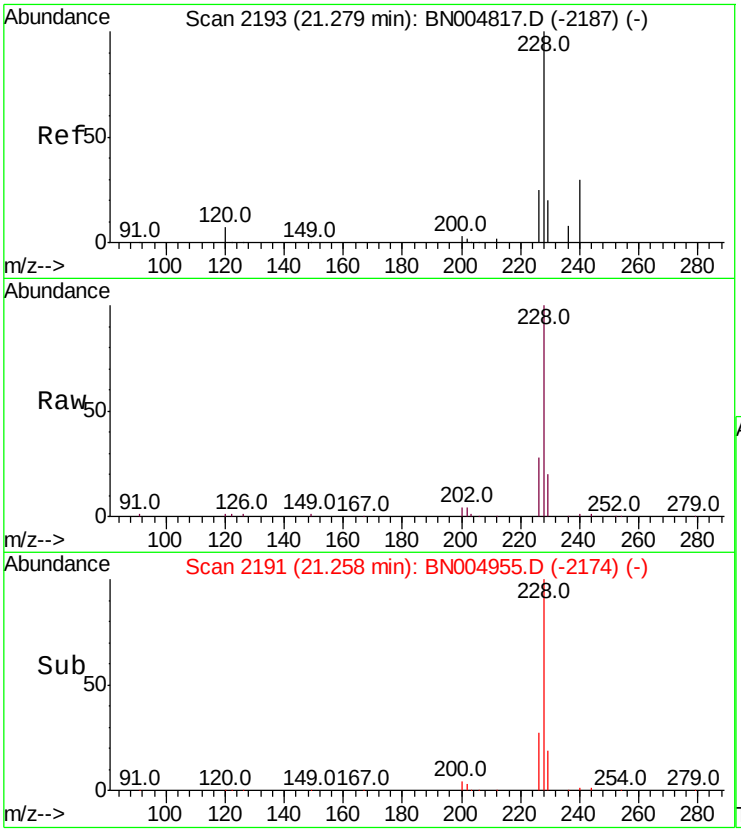


#29
Terphenyl-d14
Concen: 0.066 ng
RT: 19.71 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:244 Resp: 2513

Ion	Ratio	Lower	Upper
244	100		
212	11.7	5.8	8.6#
122	16.1	7.9	11.9#



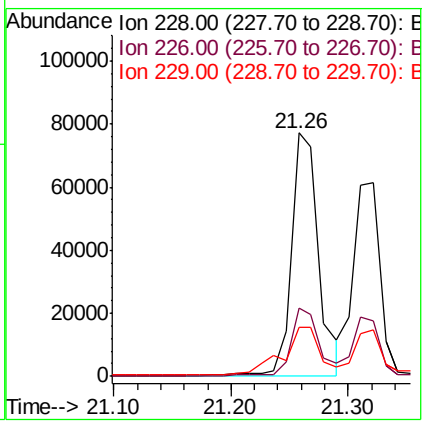


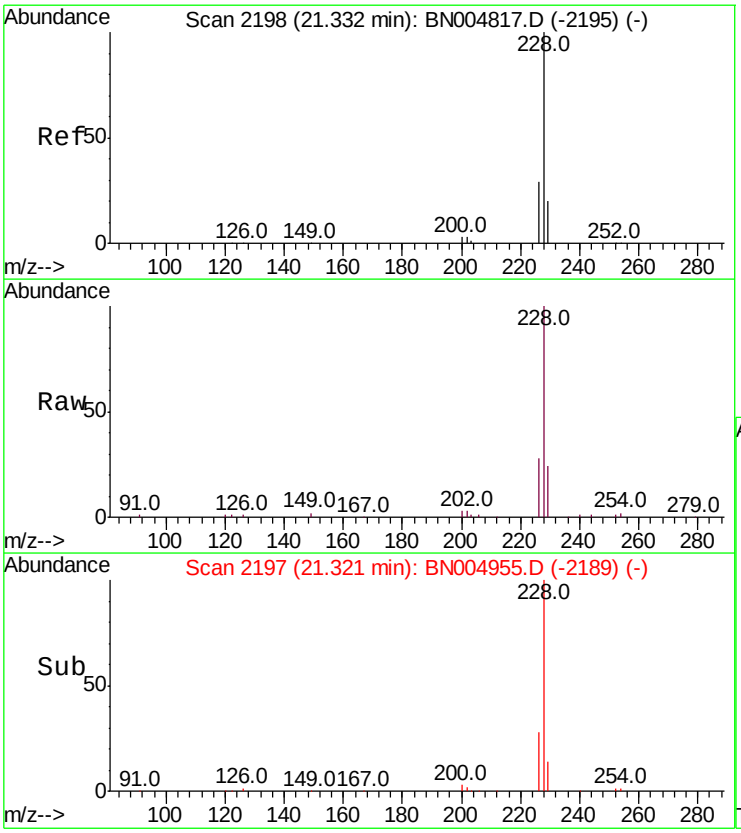
#30
Benzo(a)anthracene
Concen: 2.046 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:228 Resp: 124106

Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	31.0
229	20.1	16.2	24.4

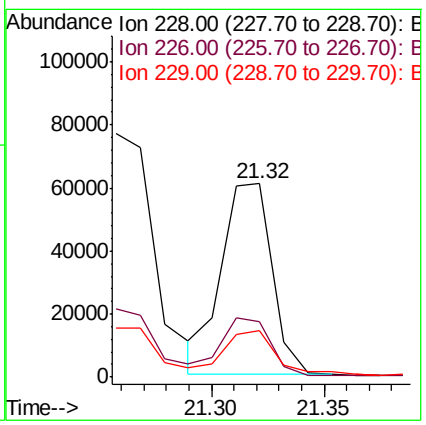


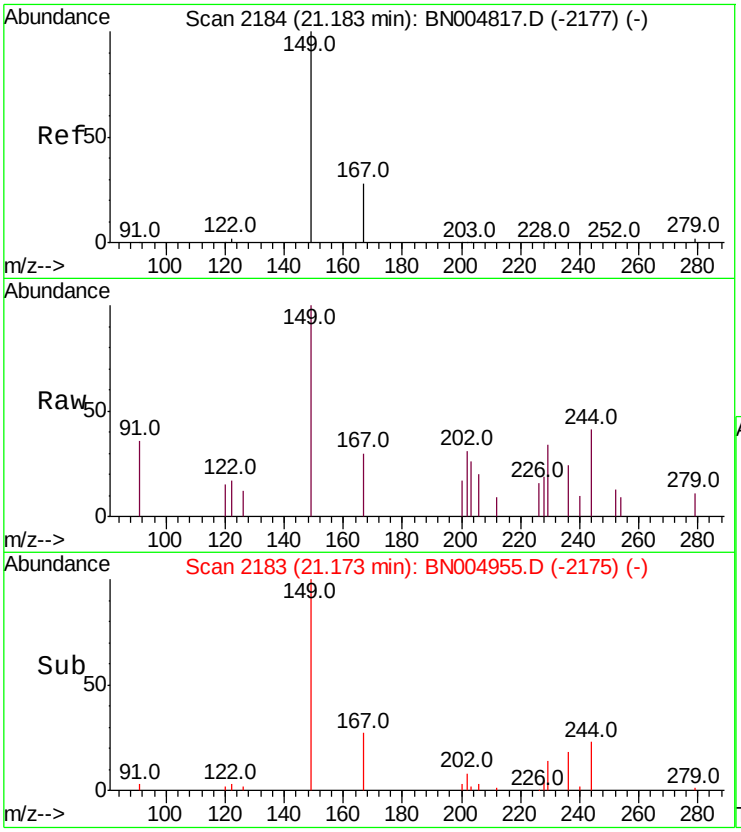


#31
Chrysene
Concen: 1.495 ng m
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:228 Resp: 95490

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.0	34.6
229	24.3	16.2	24.2#



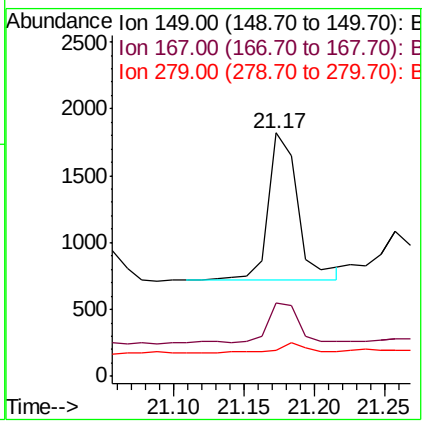


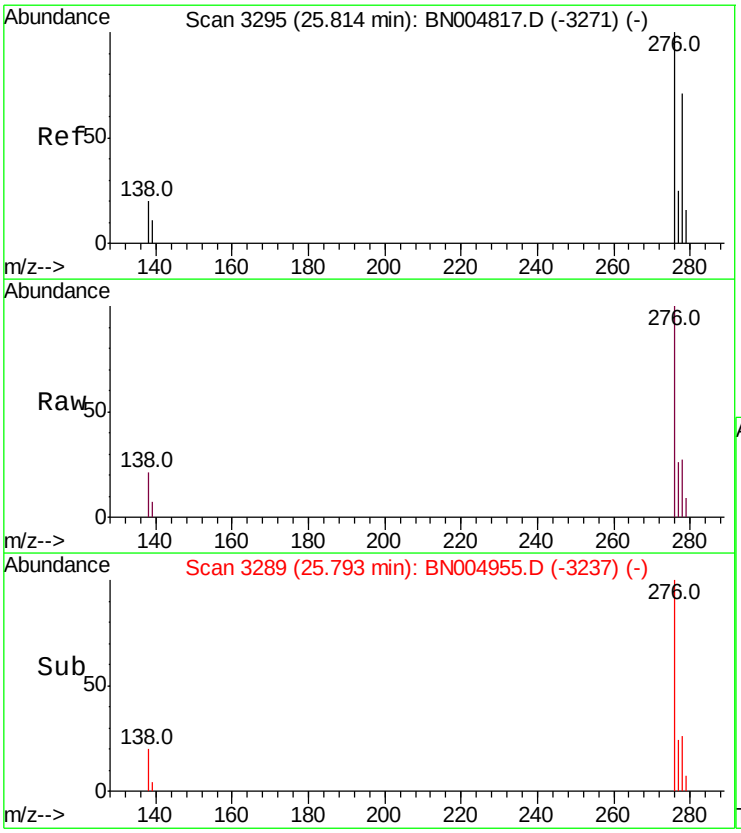
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.067 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:149 Resp: 1634

Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.0	34.4
279	6.9	4.6	6.8#

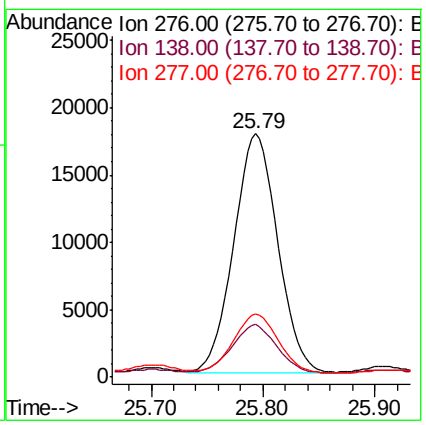


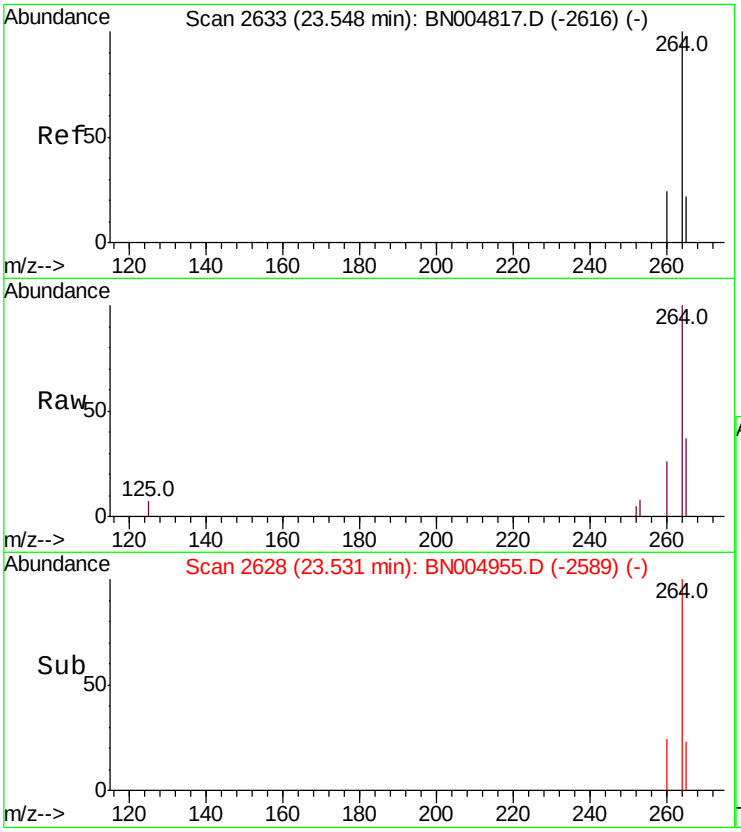


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.520 ng
RT: 25.79 min Scan# 3289
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:276 Resp: 48086

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.6	24.8
277	25.3	20.3	30.5



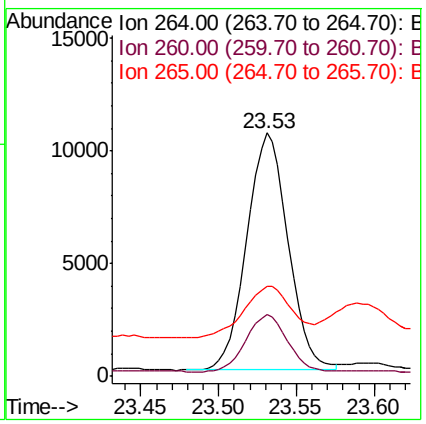


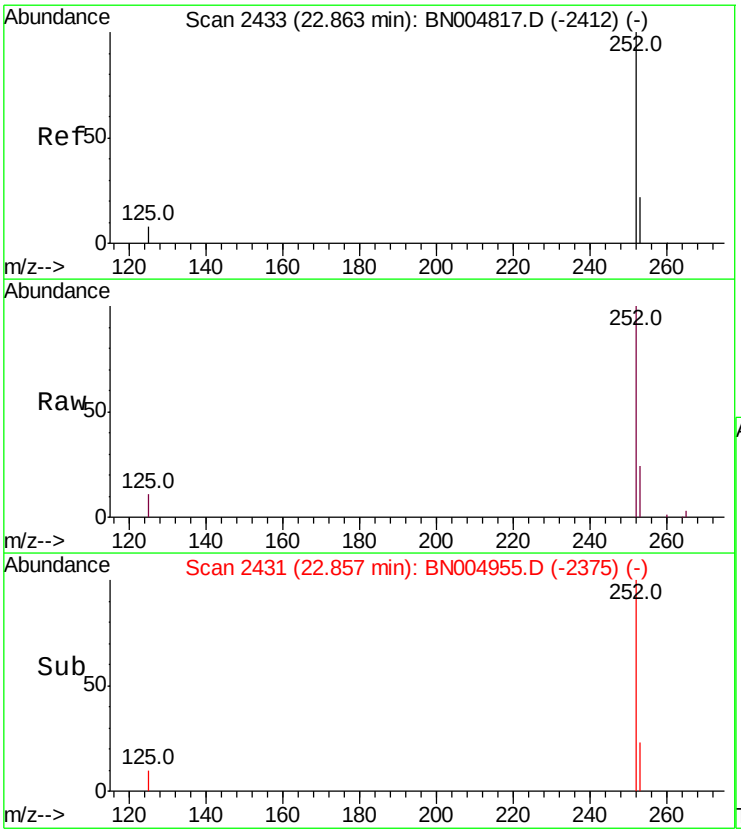
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:264 Resp: 19442

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	37.2	23.1	34.7#

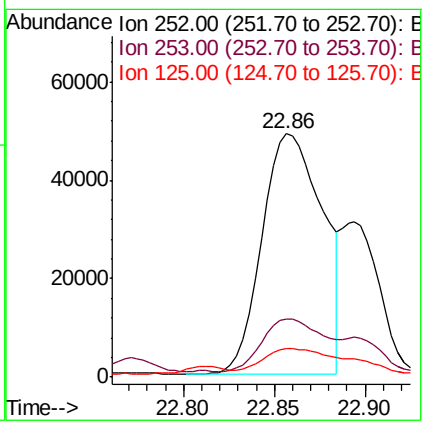


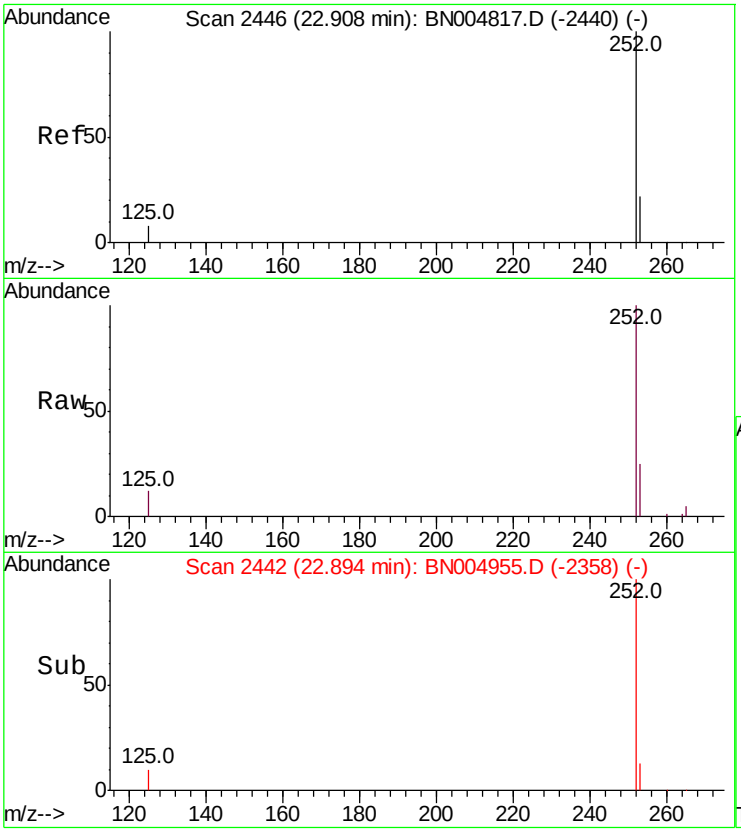


#35
Benzo(b)fluoranthene
Concen: 1.609 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:252 Resp: 113194

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.4
125	11.5	7.4	11.2#



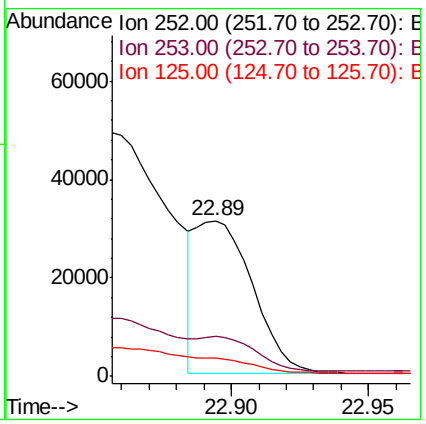


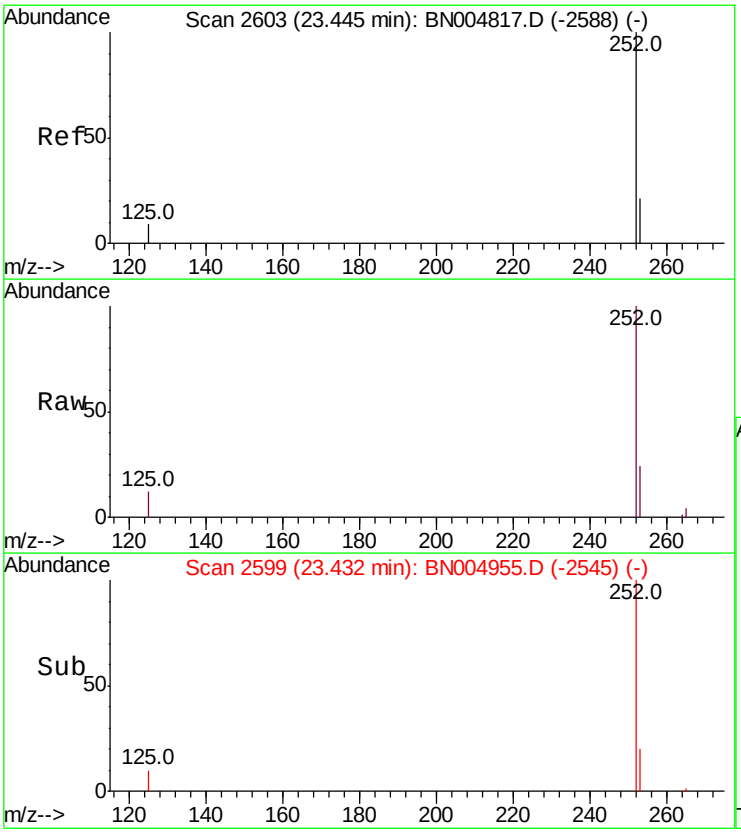
#36
Benzo(k)fluoranthene
Concen: 0.654 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:252 Resp: 45232

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.3	28.9
125	11.9	7.4	11.0#

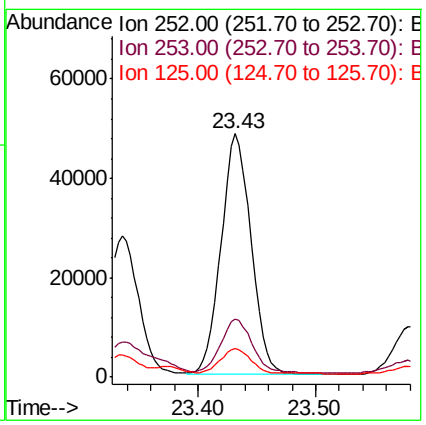


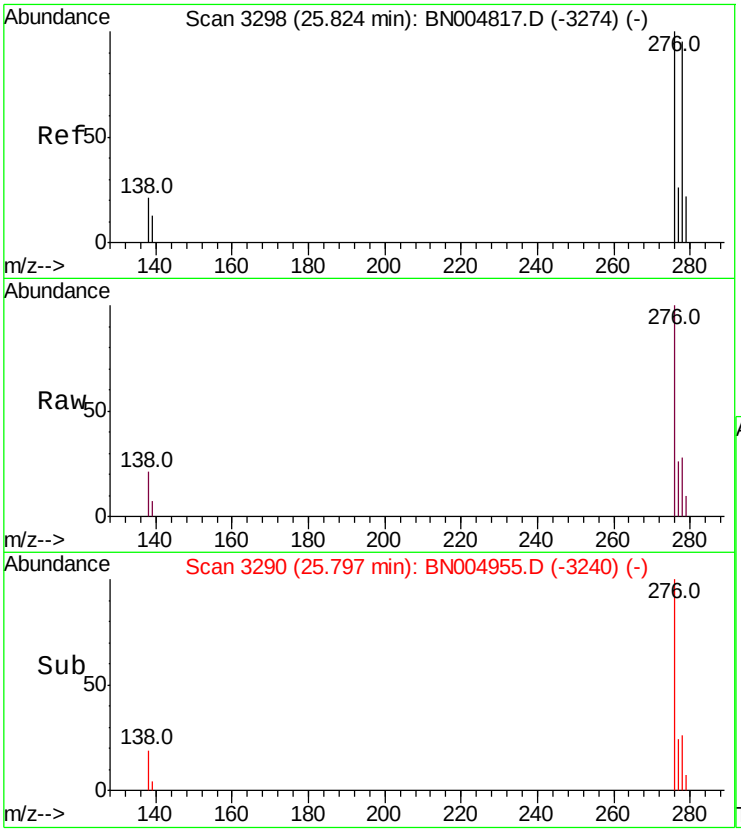


#37
Benzo(a)pyrene
Concen: 1.324 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:252 Resp: 85452

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.7	29.5
125	11.8	8.3	12.5



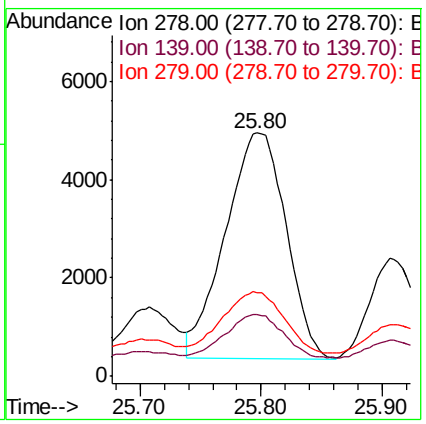


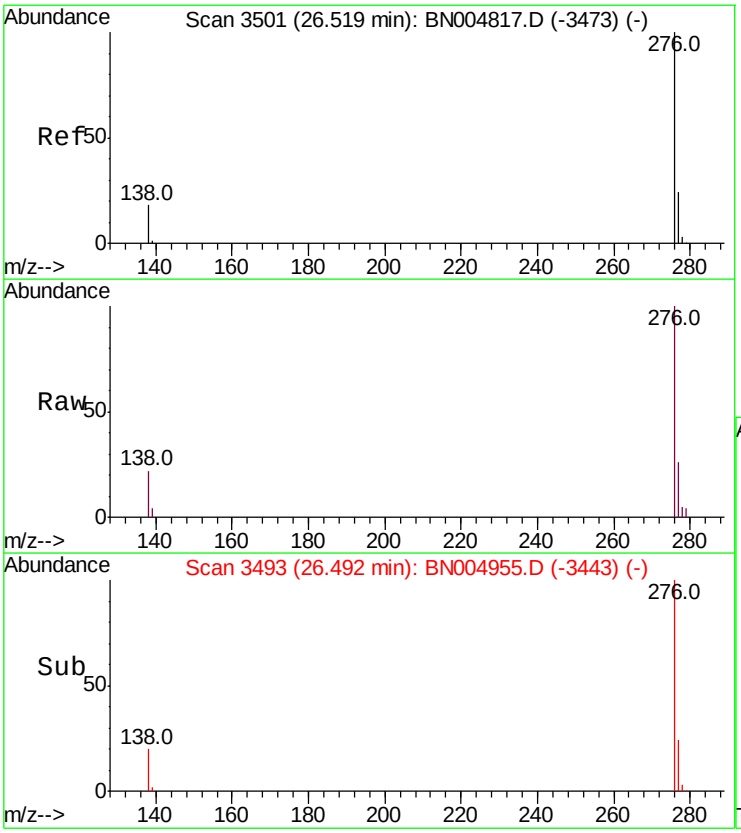
#38
Dibenzo(a,h)anthracene
Concen: 0.215 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tgt Ion:278 Resp: 16059

Ion	Ratio	Lower	Upper
278	100		
139	25.2	11.7	17.5#
279	34.3	19.9	29.9#





#39
Benzo(g,h,i)perylene
Concen: 0.533 ng
RT: 26.49 min Scan# 3493
Delta R.T. -0.03 min
Lab File: BN004955.D
Acq: 25 Mar 2019 11:49

Tgt Ion:276 Resp: 40600

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