Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004957.D
Acq On : 25 Mar 2019 13:00
Operator : JU/SJ
Sample : K1817-10DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-027-SW069-030719DL

Quant Time: Mar 26 01:38:22 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	3870	0.40	ng		-0.02
7) Naphthalene-d8	10.47	136	14953	0.40	ng		-0.03
13) Acenaphthene-d10	14.32	164	7510	0.40	ng		-0.02
19) Phenanthrene-d10	17.08	188	16140	0.40	ng		-0.01
27) Chrysene-d12	21.28	240	18996	0.40	ng		-0.01
34) Perylene-d12	23.53	264	20300	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	2241	0.21	ng		0.00
5) Phenol-d6	6.86	99	2716	0.21	ng		-0.02
8) Nitrobenzene-d5	8.84	82	2098	0.21	ng		-0.03
11) 2-Methylnaphthalene-d10	12.07	152	4304	0.16	ng		-0.01
14) 2,4,6-Tribromophenol	15.84	330	877	0.17	ng		-0.01
15) 2-Fluorobiphenyl	12.94	172	6020	0.19	ng		-0.02
25) Fluoranthene-d10	19.12	212	8023	0.15	ng		-0.02
29) Terphenyl-d14	19.71	244	5859	0.15	ng		-0.02
Target Compounds							Qvalue
9) Naphthalene	10.52	128	4850	0.116	ng		97
12) 2-Methylnaphthalene	12.14	142	3213	0.103	ng		98
16) Acenaphthylene	14.04	152	7164	0.185	ng		97
17) Acenaphthene	14.39	154	12188	0.481	ng		99
18) Fluorene	15.38	166	14657	0.414	ng		96
23) Phenanthrene	17.12	178	221086	4.242	ng		99
24) Anthracene	17.21	178	49378	1.061	ng	#	91
26) Fluoranthene	19.15	202	277946	4.150	ng		98
28) Pyrene	19.51	202	231171	3.991	ng	#	93
30) Benzo(a)anthracene	21.26	228	160952	2.584	ng		97
31) Chrysene	21.31	228	121464	1.851	ng		96
32) Bis(2-ethylhexyl)phthalate	21.17	149	1897	0.076	ng	#	96
33) Indeno(1,2,3-cd)pyrene	25.79	276	64425	0.679	ng		100
35) Benzo(b)fluoranthene	22.85	252	149903	2.041	ng	#	97
36) Benzo(k)fluoranthene	22.89	252	57714m	0.799	ng		
37) Benzo(a)pyrene	23.43	252	113161	1.680	ng		98
38) Dibenzo(a,h)anthracene	25.79	278	21352	0.274	ng	#	81
39) Benzo(g,h,i)perylene	26.49	276	55020	0.692	ng		96

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

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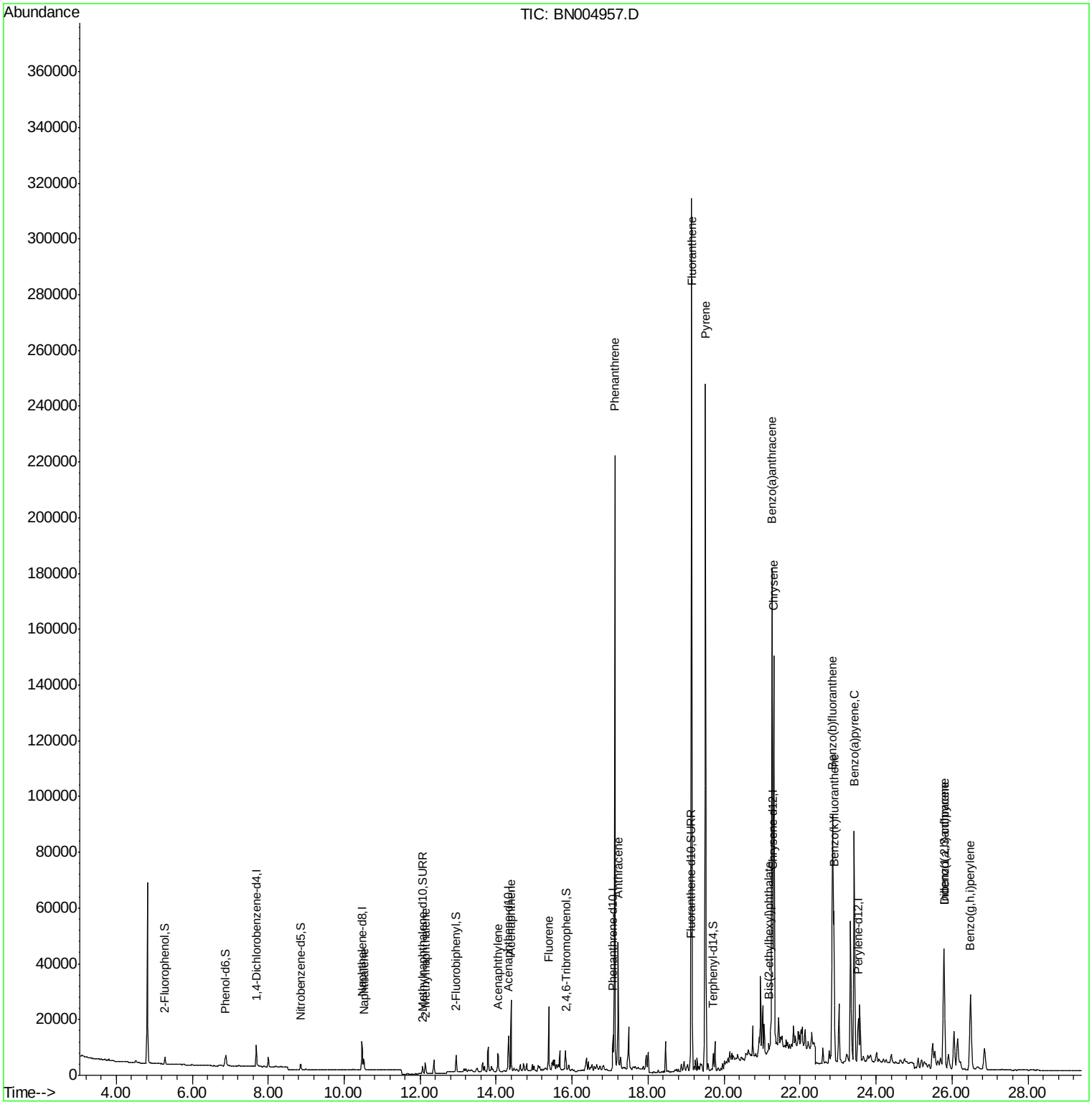
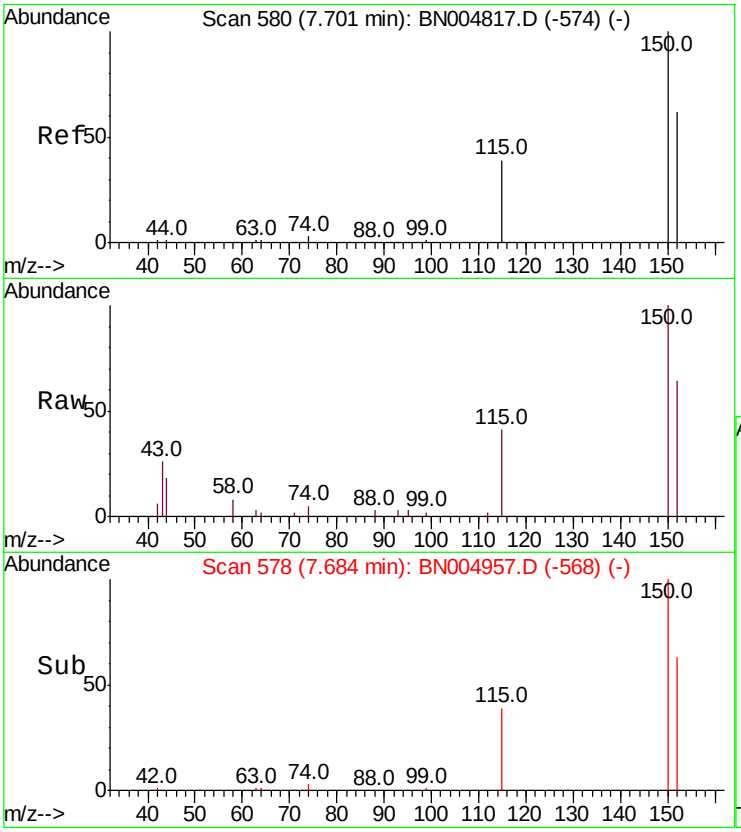


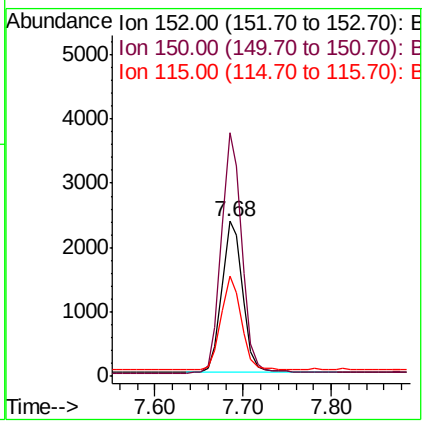


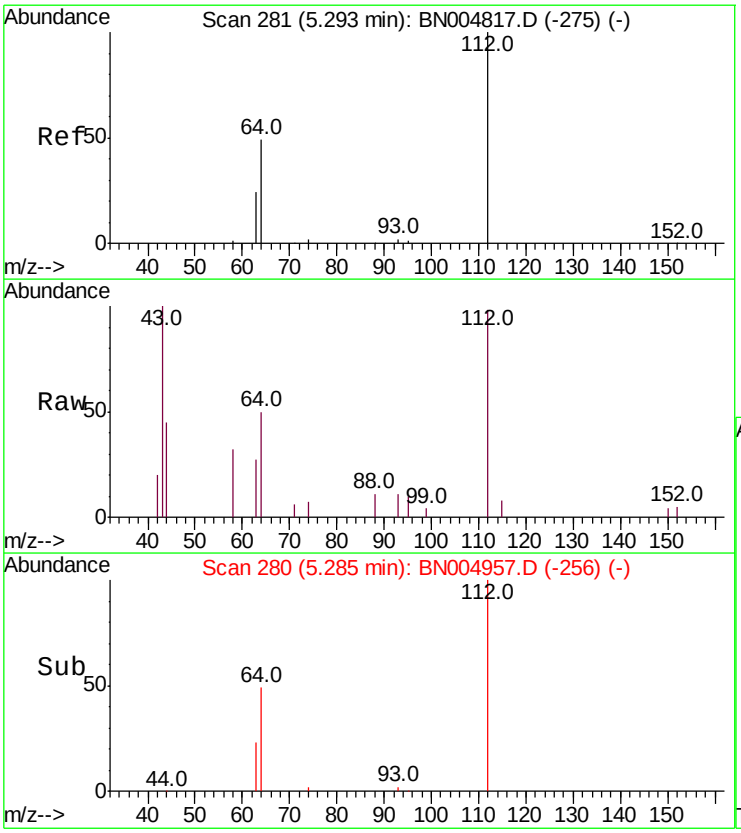
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:152 Resp: 3870

Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.4
115	64.7	52.6	79.0

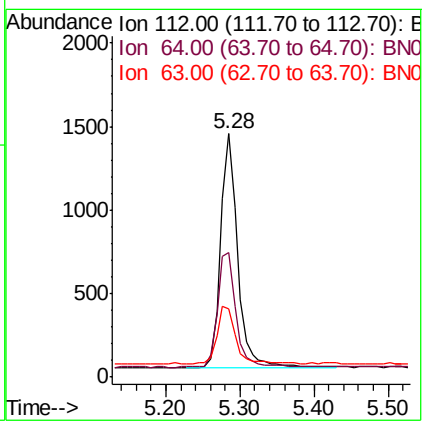


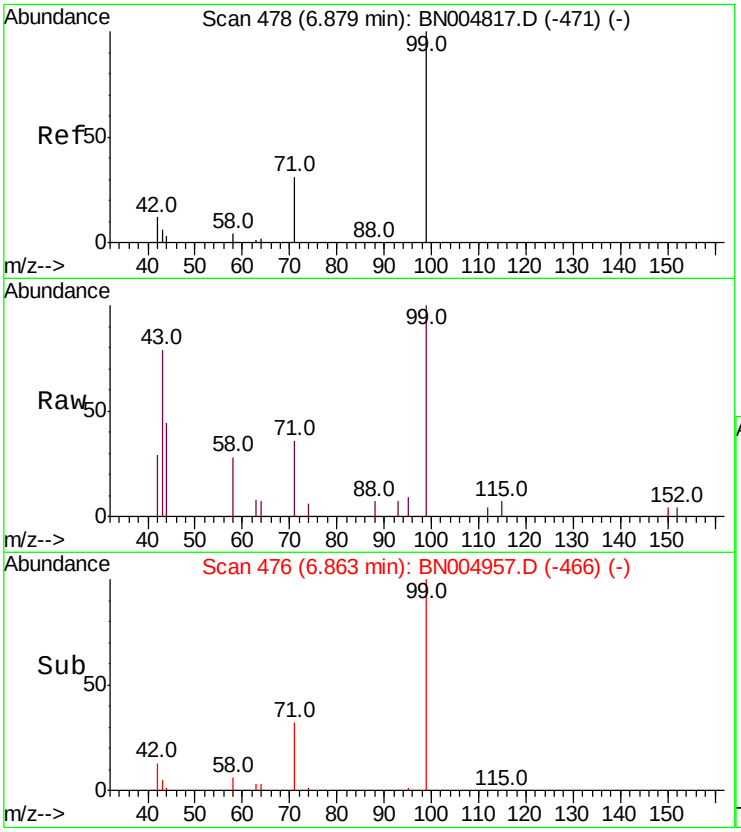


#4
2-Fluorophenol
Concen: 0.213 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:112 Resp: 2241

Ion	Ratio	Lower	Upper
112	100		
64	53.6	40.0	60.0
63	26.5	20.2	30.2



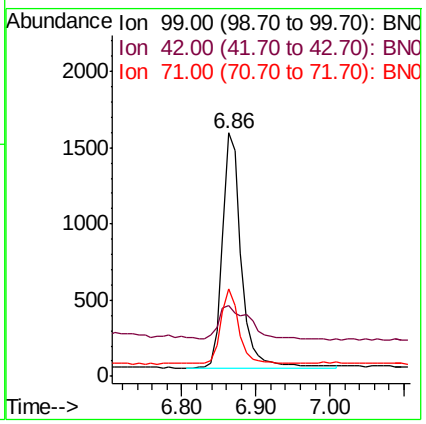


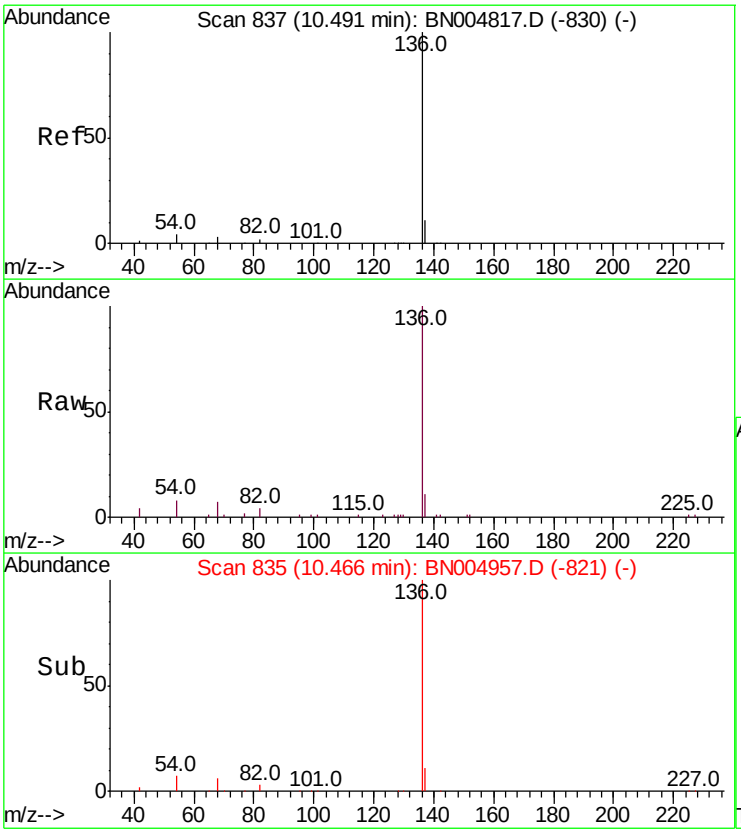
#5
Phenol-d6
Concen: 0.207 ng
RT: 6.86 min Scan# 476
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion: 99 Resp: 2716

Ion	Ratio	Lower	Upper
99	100		
42	23.1	12.7	19.1#
71	30.6	26.6	40.0

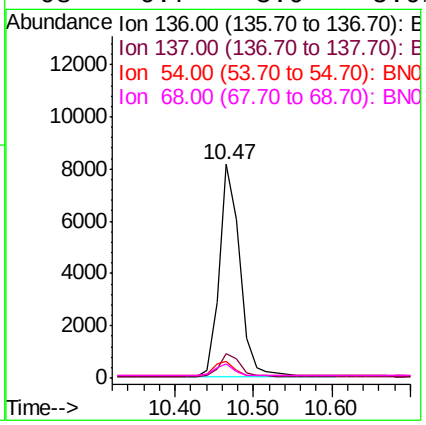


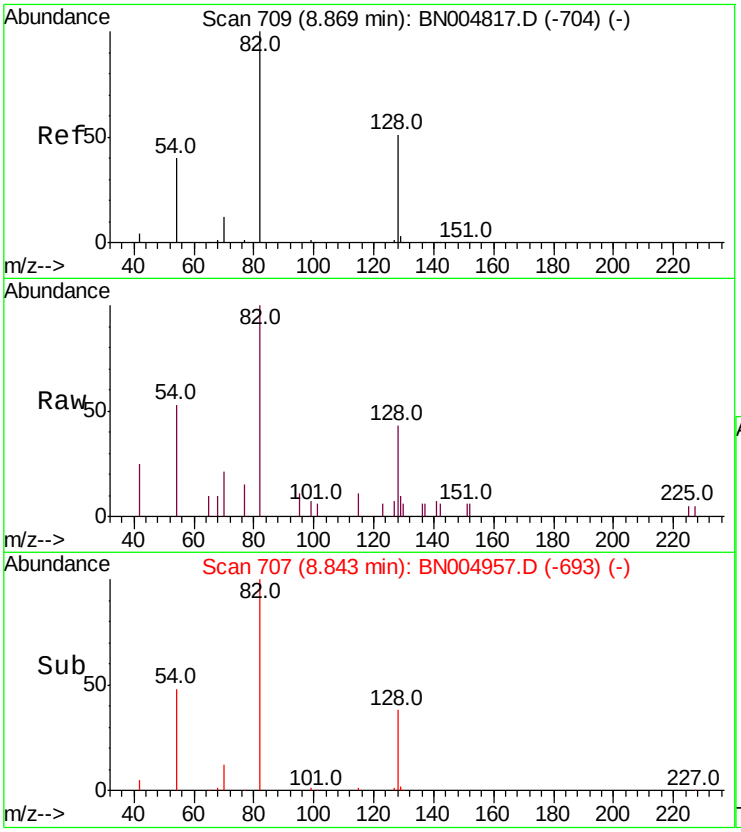


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.03 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:136 Resp: 14953

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	7.7	4.2	6.2#
68	6.7	3.9	5.9#



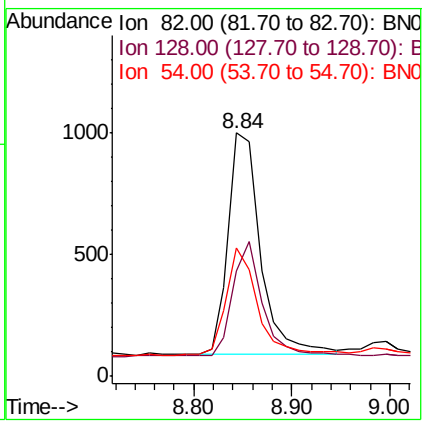


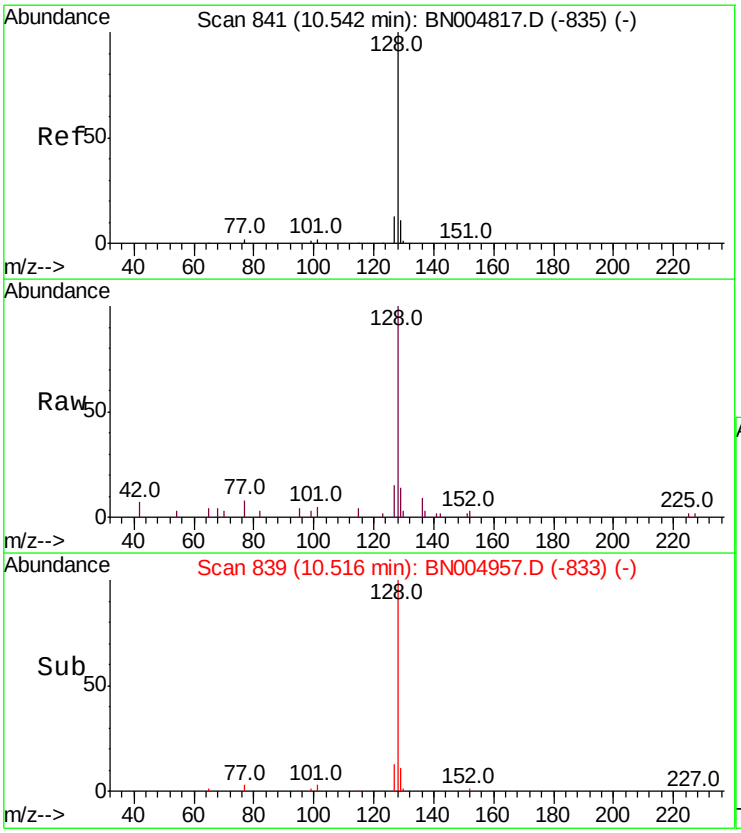
#8
Nitrobenzene-d5
Concen: 0.212 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion: 82 Resp: 2098

Ion	Ratio	Lower	Upper
82	100		
128	43.3	43.0	64.6
54	52.9	35.3	52.9

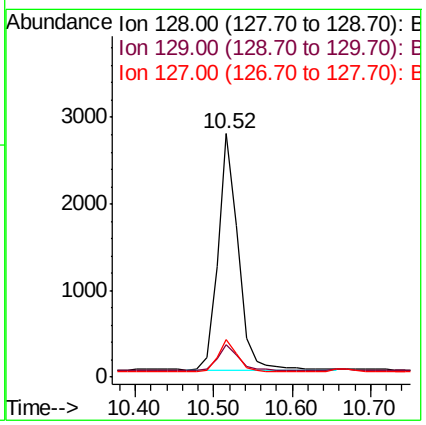


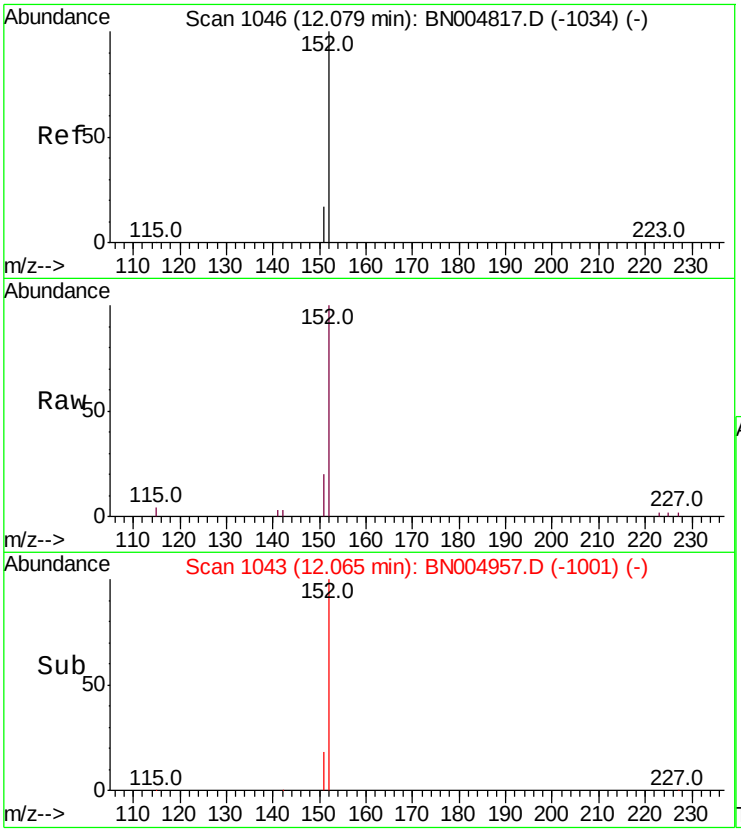


#9
Naphthalene
Concen: 0.116 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.03 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:128 Resp: 4850

Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.9	14.9
127	15.2	11.3	16.9



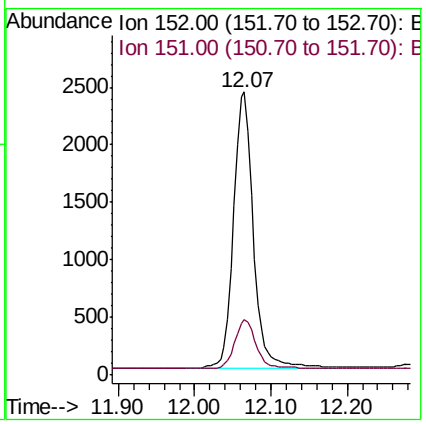


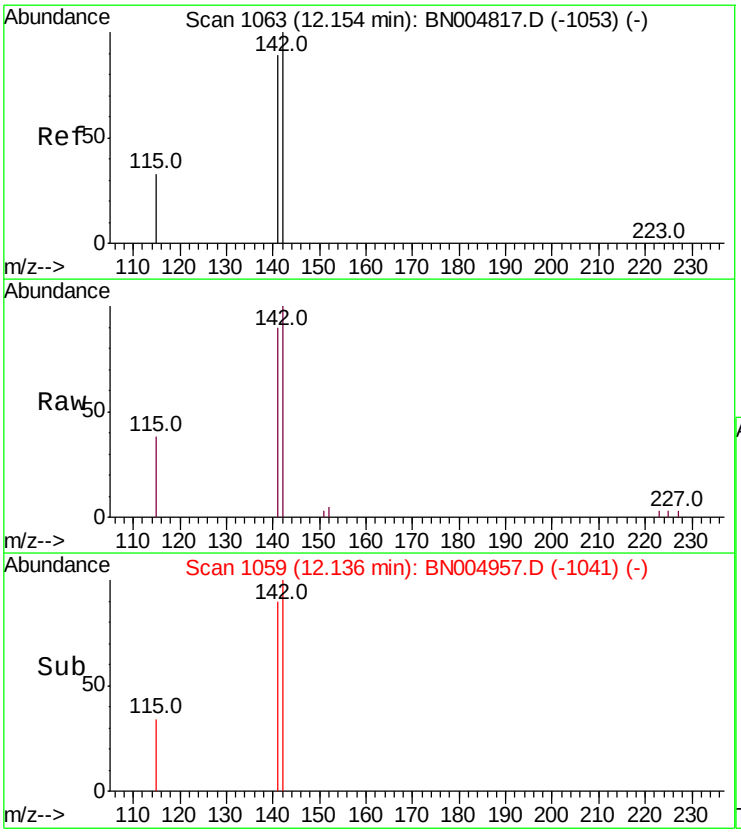
#11
2-Methylnaphthalene-d10
Concen: 0.165 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:152 Resp: 4304

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3

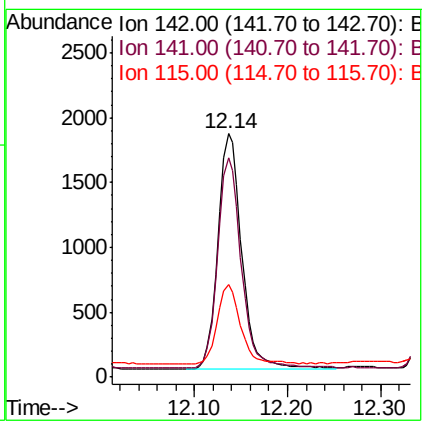


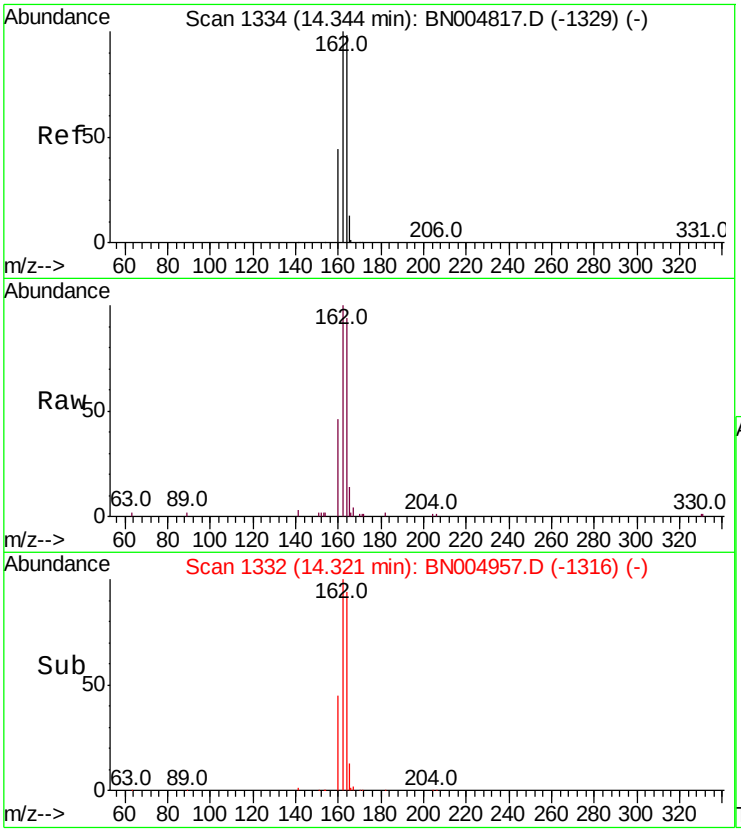


#12
2-Methylnaphthalene
Concen: 0.103 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:142 Resp: 3213

Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.4	107.2
115	37.8	27.5	41.3



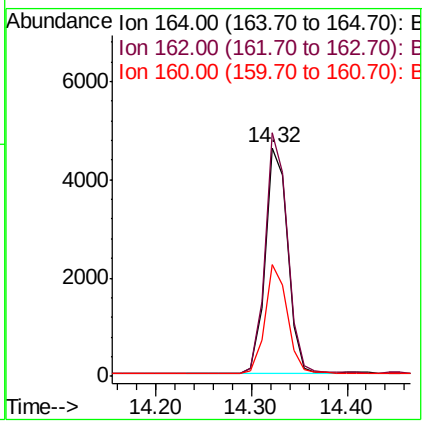


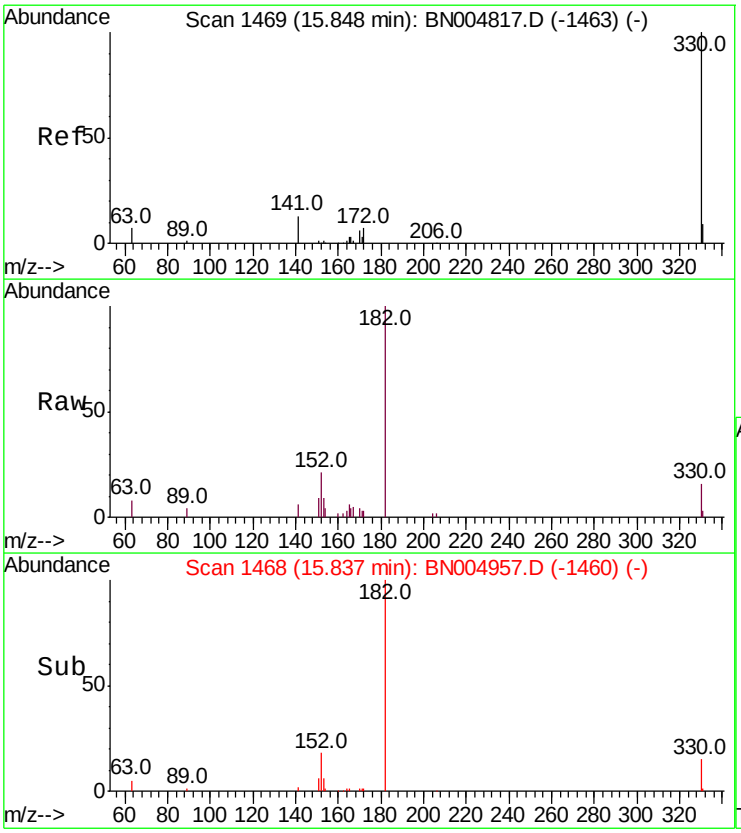
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:164 Resp: 7510

Ion	Ratio	Lower	Upper
164	100		
162	106.4	81.9	122.9
160	48.7	36.6	54.8

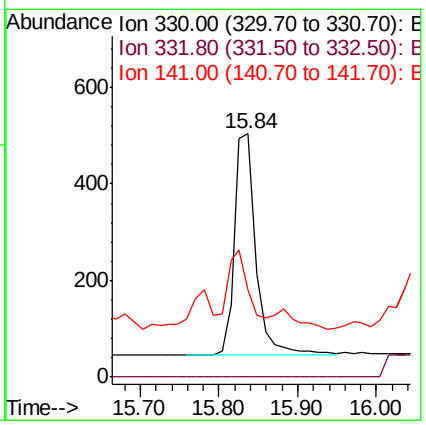


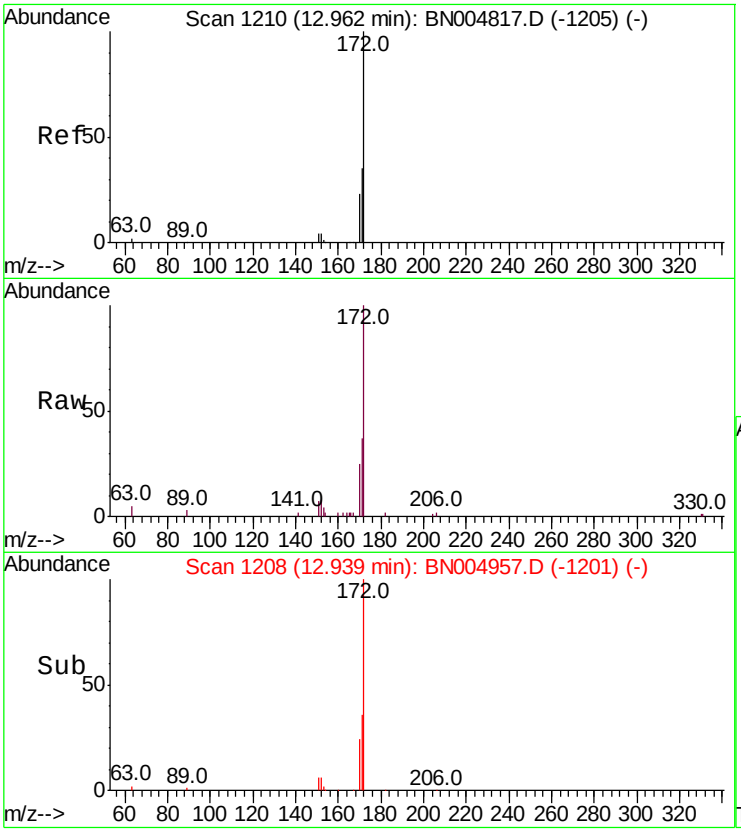


#14
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 15.84 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:330 Resp: 877

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.5	20.9	31.3#



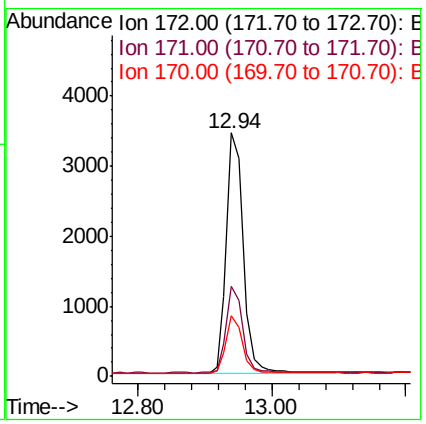


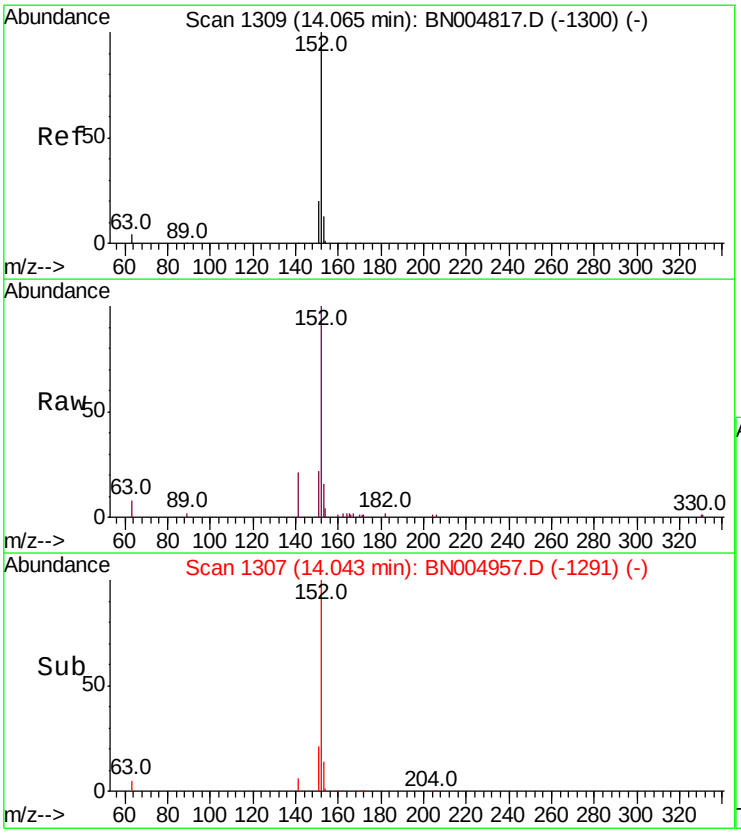
#15
2-Fluorobiphenyl
Concen: 0.194 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:172 Resp: 6020

Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.7	43.1
170	24.7	18.7	28.1

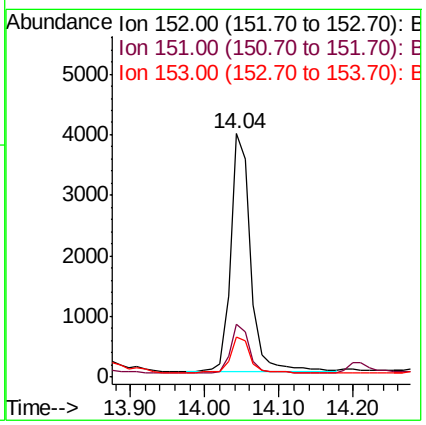


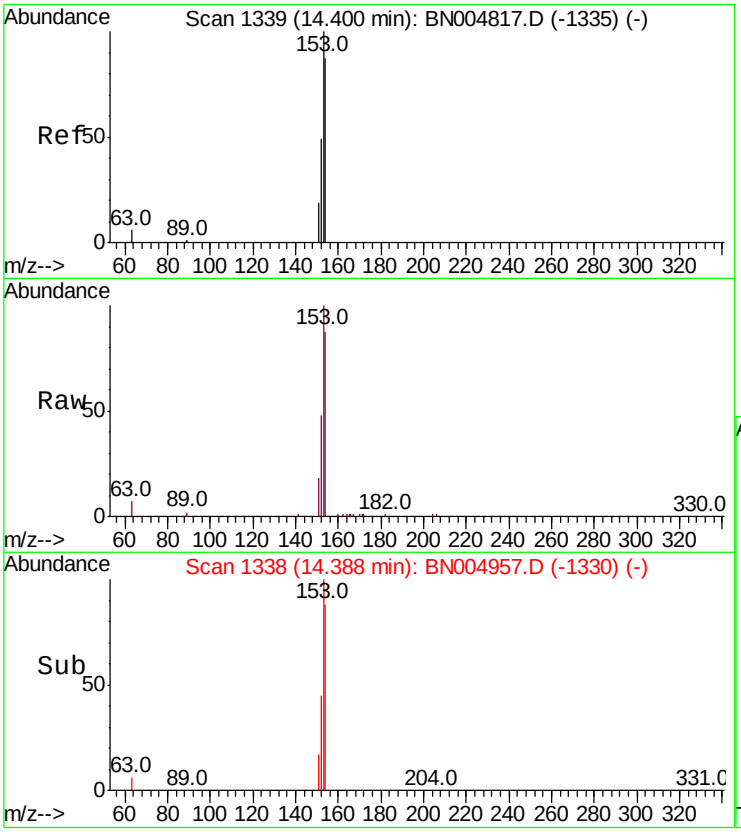


#16
Acenaphthylene
Concen: 0.185 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:152 Resp: 7164

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.1	24.1
153	15.3	10.5	15.7



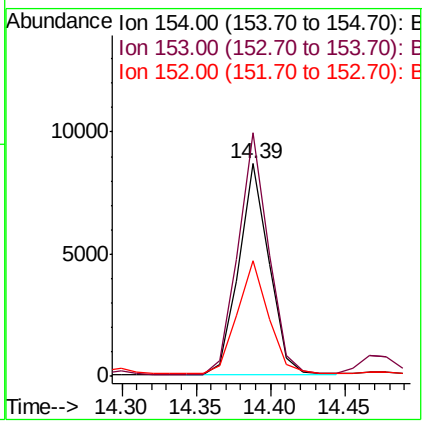


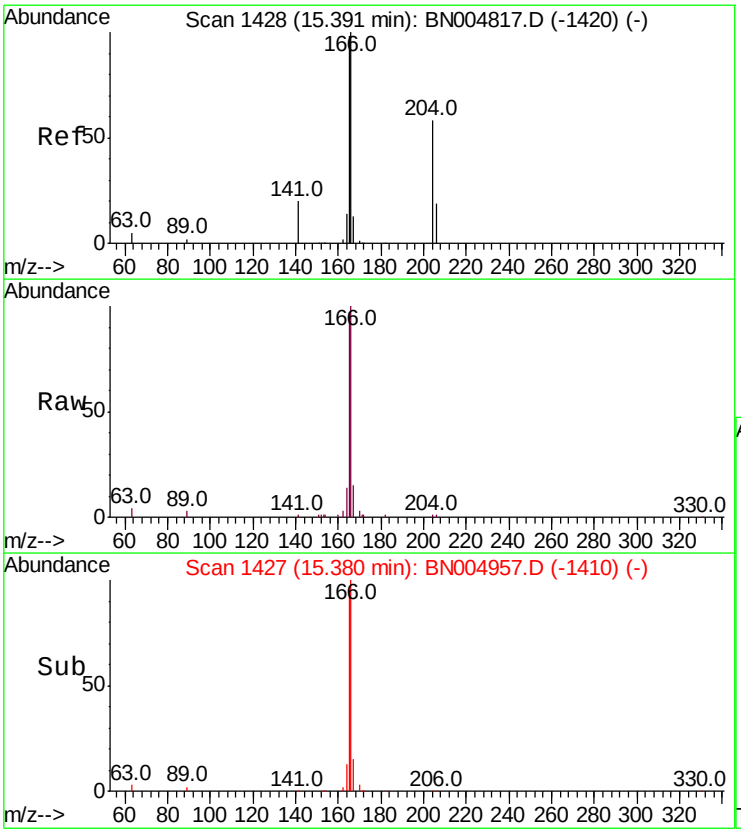
#17
Acenaphthene
Concen: 0.481 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:154 Resp: 12188

Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.4	137.2
152	55.5	44.2	66.2

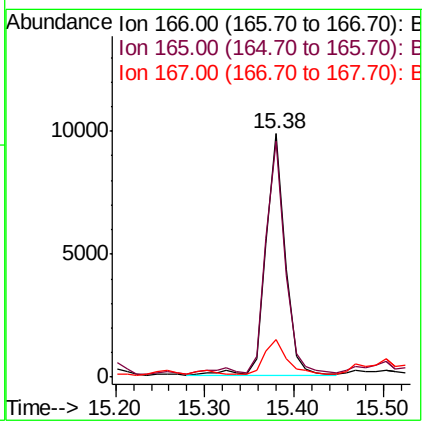


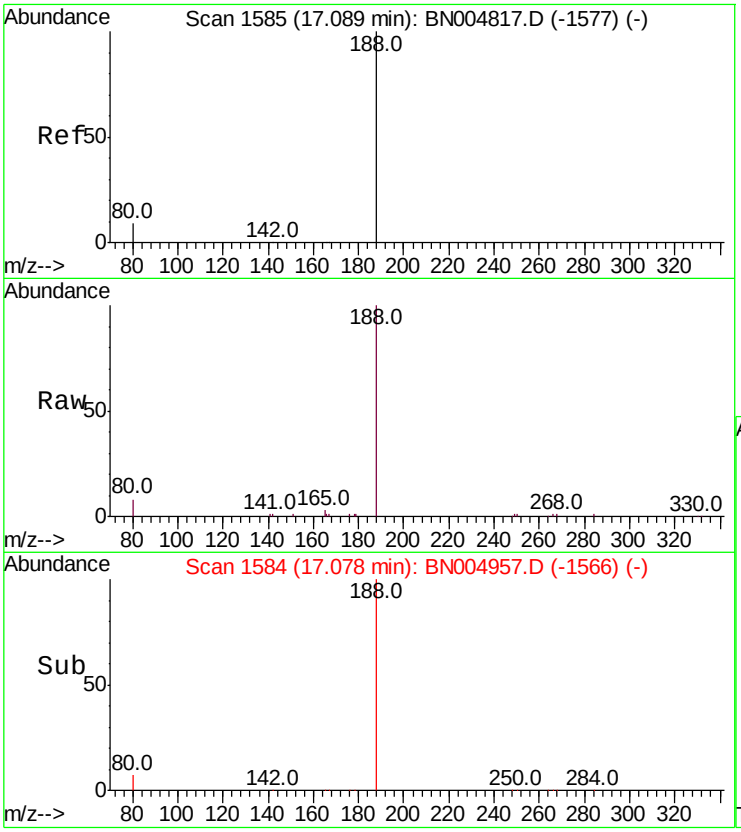


#18
Fluorene
Concen: 0.414 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:166 Resp: 14657

Ion	Ratio	Lower	Upper
166	100		
165	94.7	78.2	117.4
167	16.4	11.0	16.4



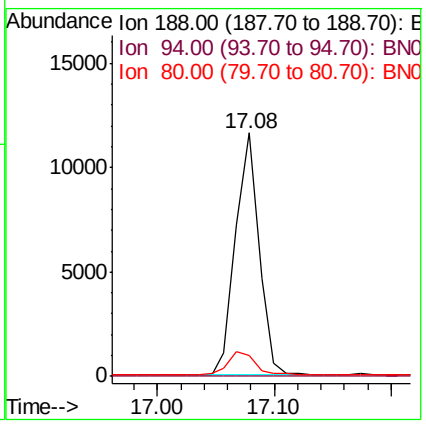


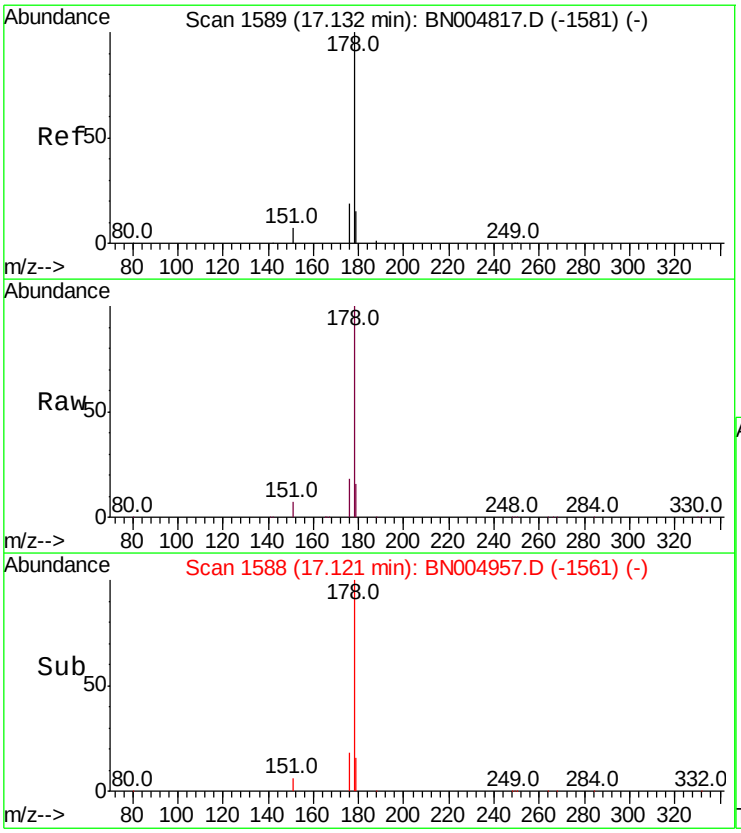
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:188 Resp: 16140

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.4	11.2

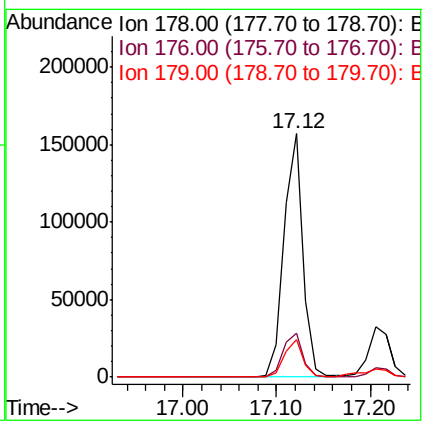


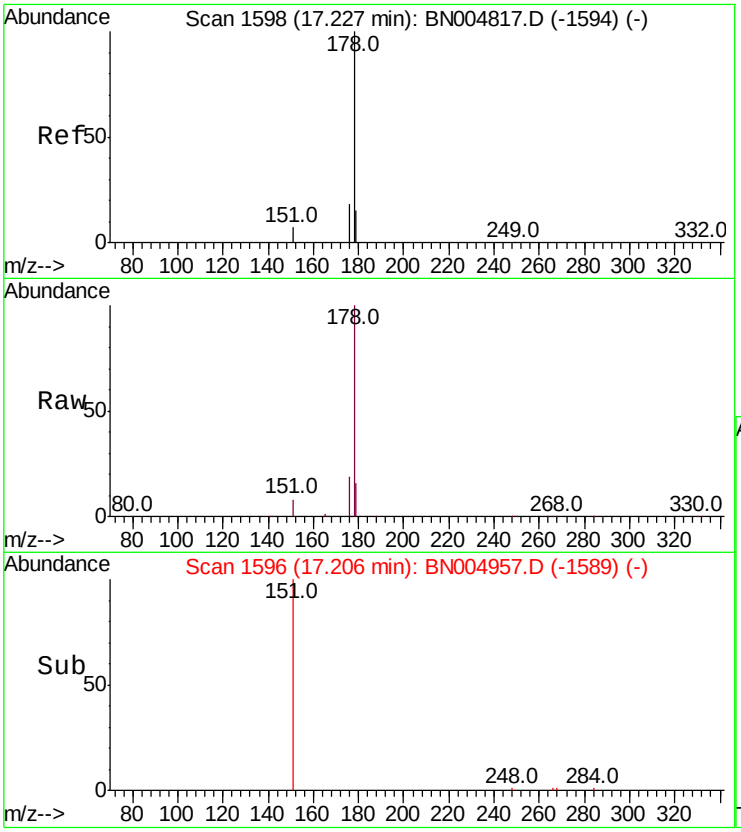


#23
Phenanthrene
Concen: 4.242 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:178 Resp: 221086

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.5	12.1	18.1



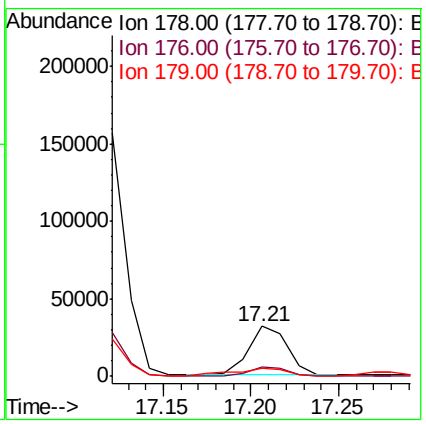


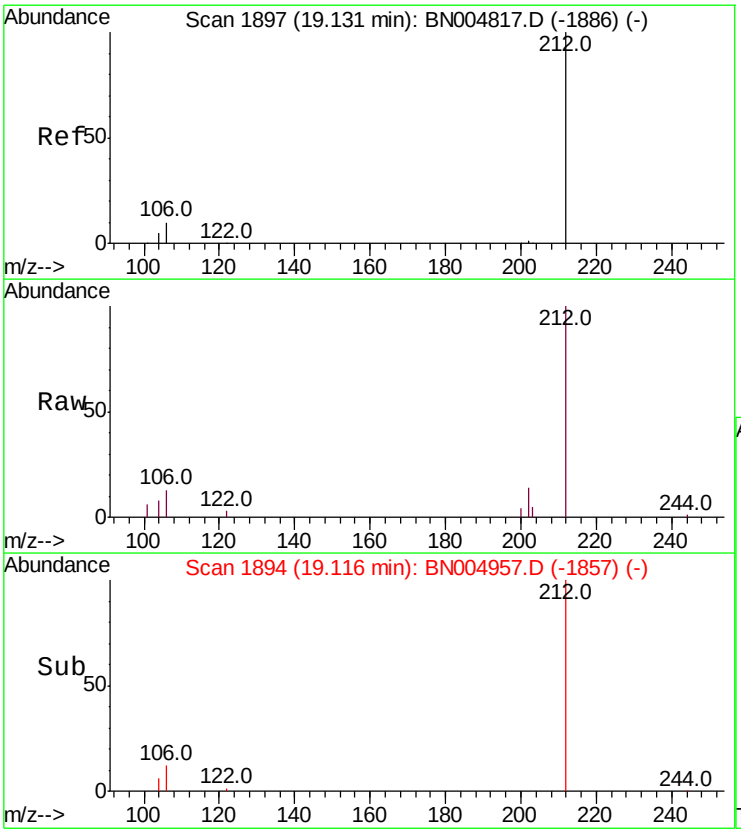
#24
Anthracene
Concen: 1.061 ng
RT: 17.21 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:178 Resp: 49378

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.5	21.7
179	22.1	12.2	18.4#

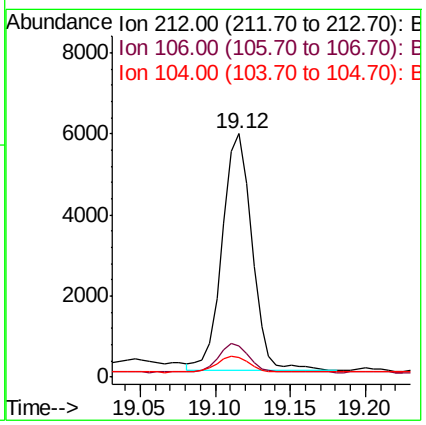


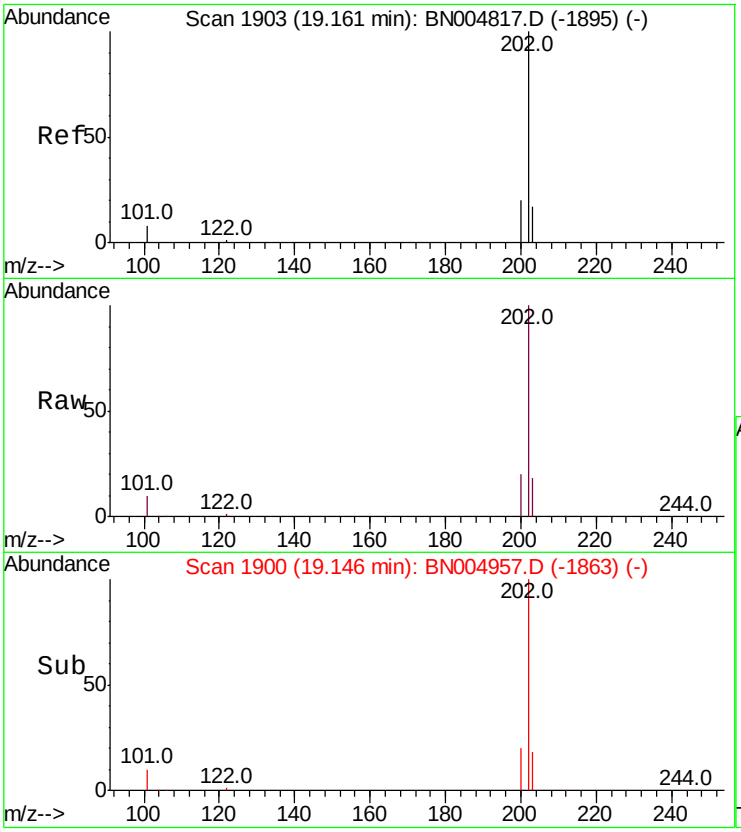


#25
Fluoranthene-d10
Concen: 0.148 ng
RT: 19.12 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:212 Resp: 8023

Ion	Ratio	Lower	Upper
212	100		
106	12.6	8.6	13.0
104	7.6	4.7	7.1#



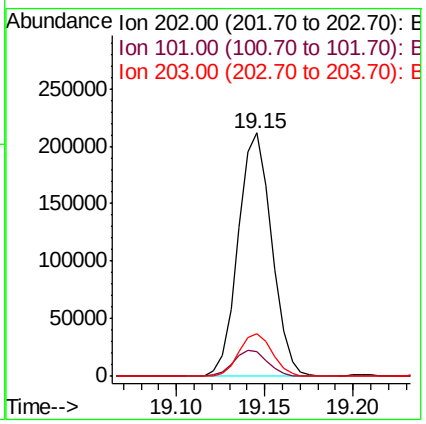


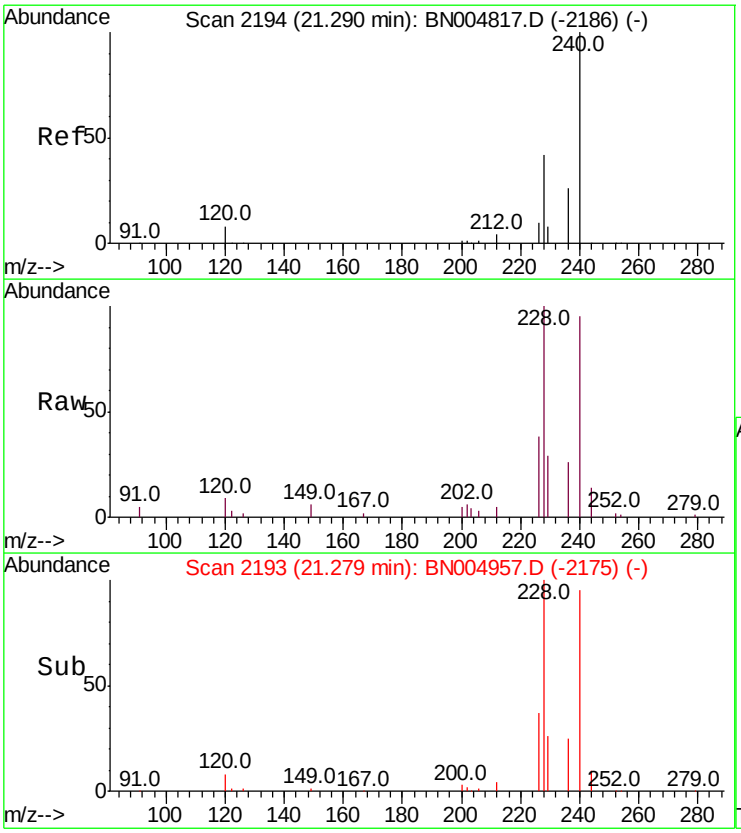
#26
Fluoranthene
Concen: 4.150 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:202 Resp: 277946

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.5	11.3
203	17.6	13.8	20.6

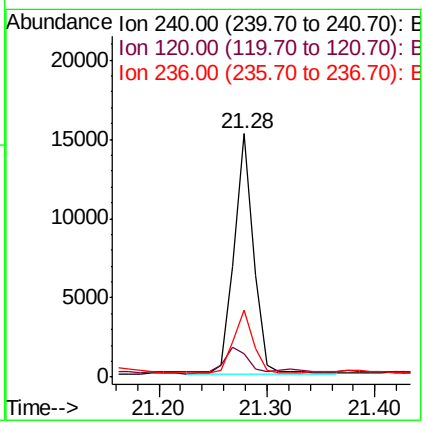


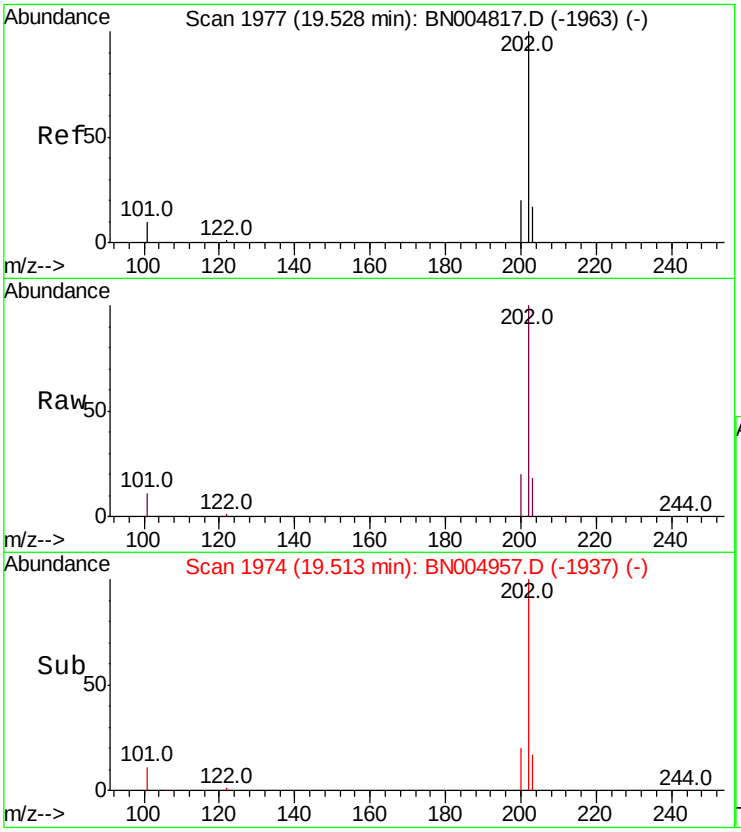


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:240 Resp: 18996

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.2	10.8
236	27.4	20.9	31.3



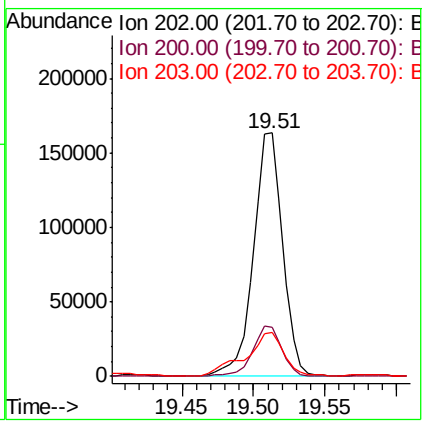


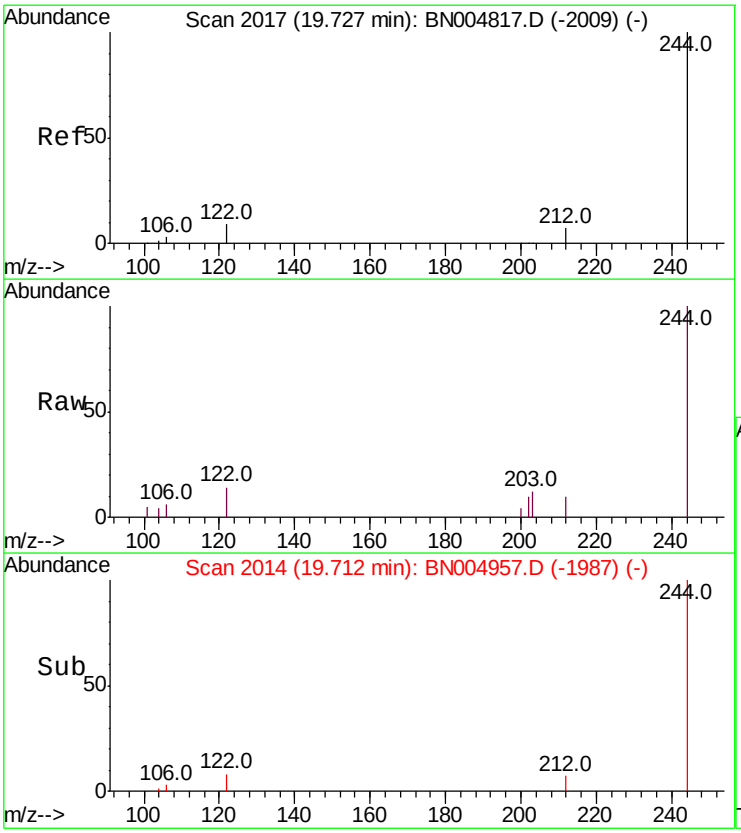
#28
Pyrene
Concen: 3.991 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:202 Resp: 231171

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	23.4	14.0	21.0#

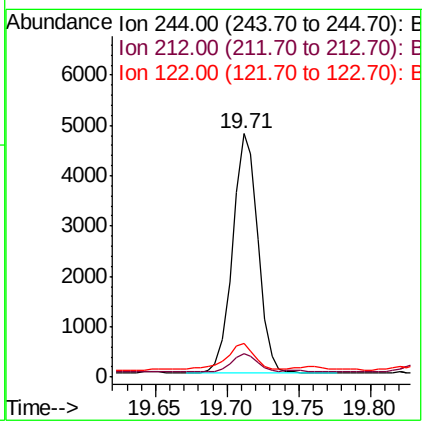


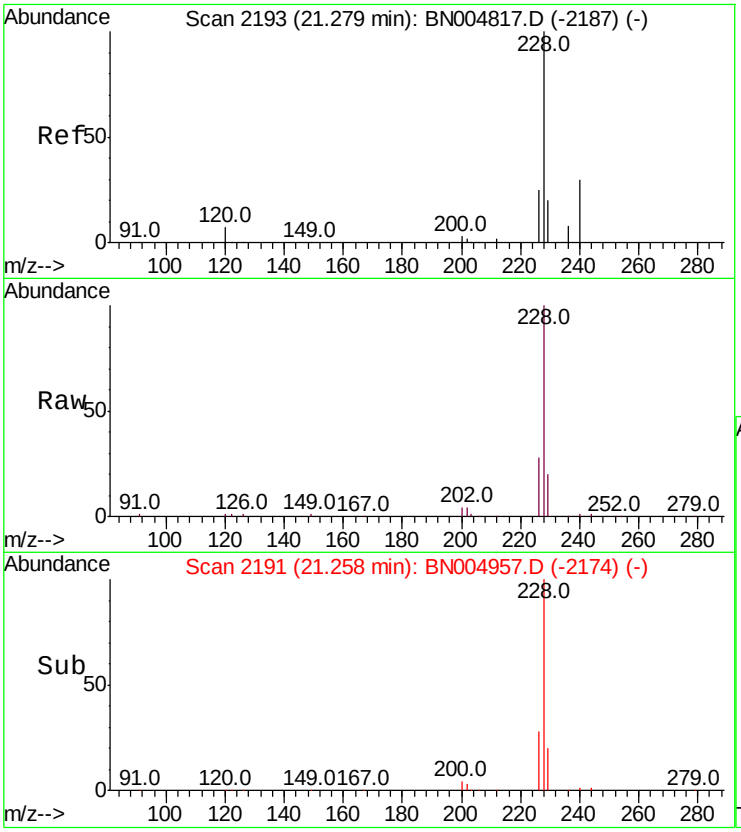


#29
Terphenyl-d14
Concen: 0.151 ng
RT: 19.71 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:244 Resp: 5859

Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.8	8.6#
122	13.8	7.9	11.9#



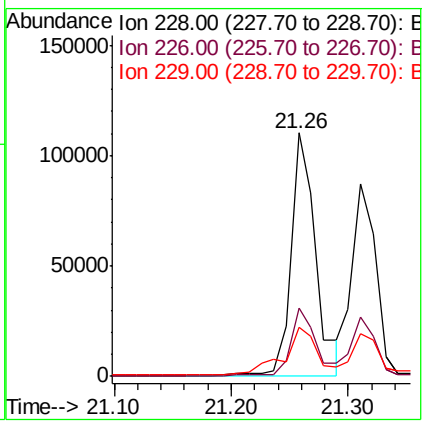


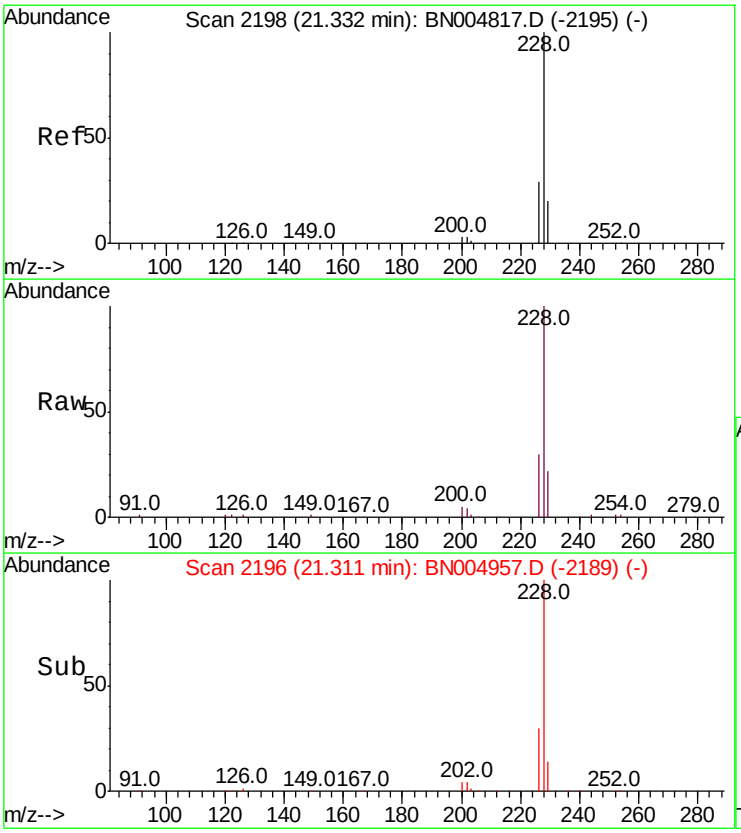
#30
Benzo(a)anthracene
Concen: 2.584 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:228 Resp: 160952

Ion	Ratio	Lower	Upper
228	100		
226	28.2	20.6	31.0
229	20.2	16.2	24.4

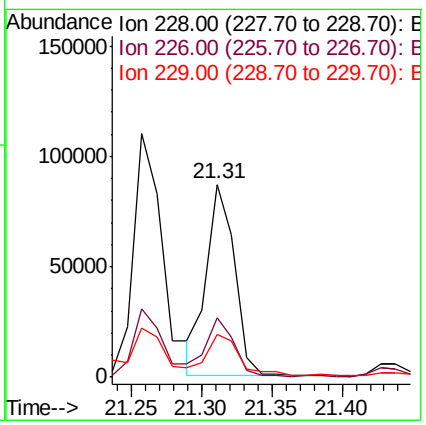


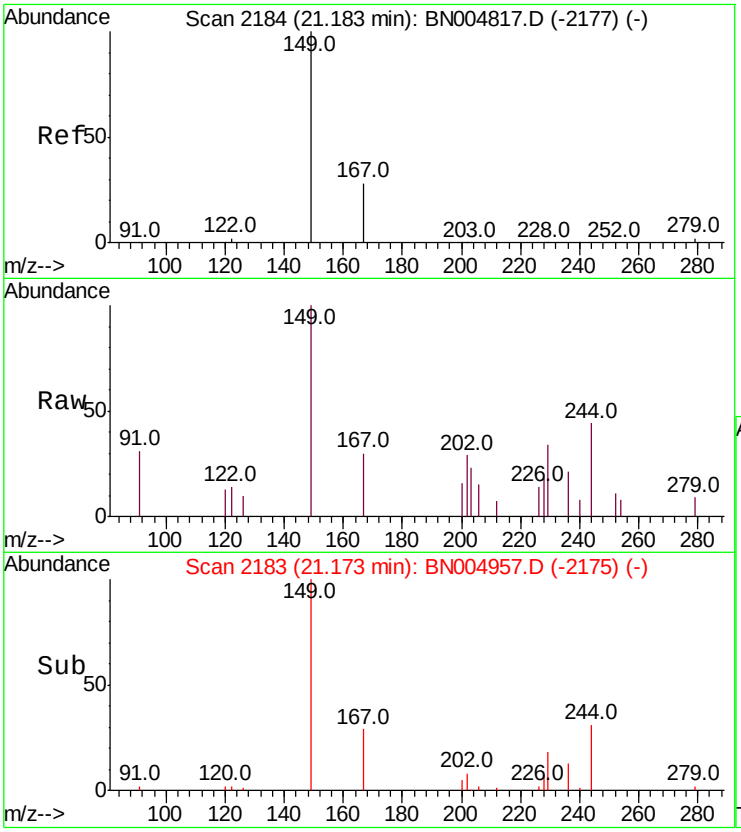


#31
Chrysene
Concen: 1.851 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:228 Resp: 121464

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.6
229	22.4	16.2	24.2



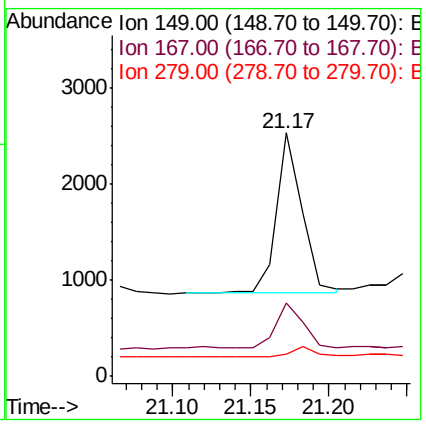


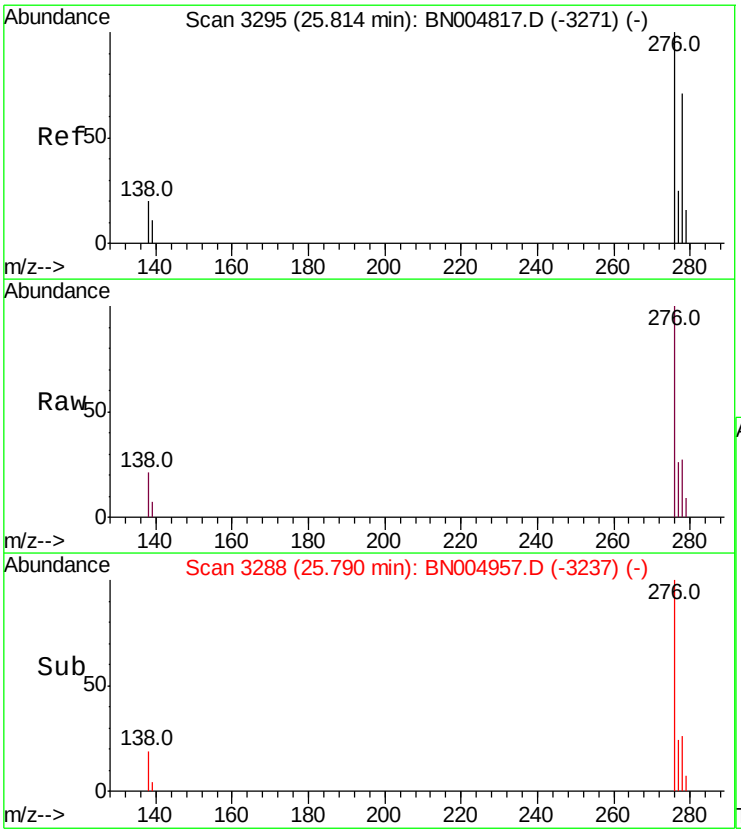
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:149 Resp: 1897

Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.0	34.4
279	8.6	4.6	6.8#

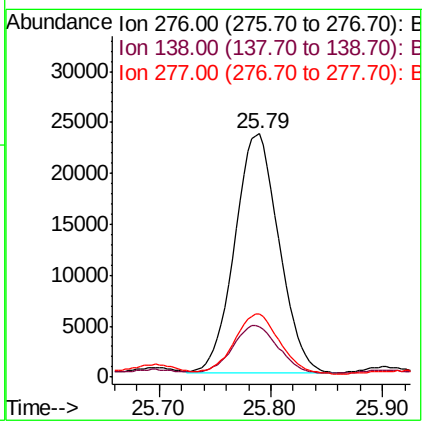


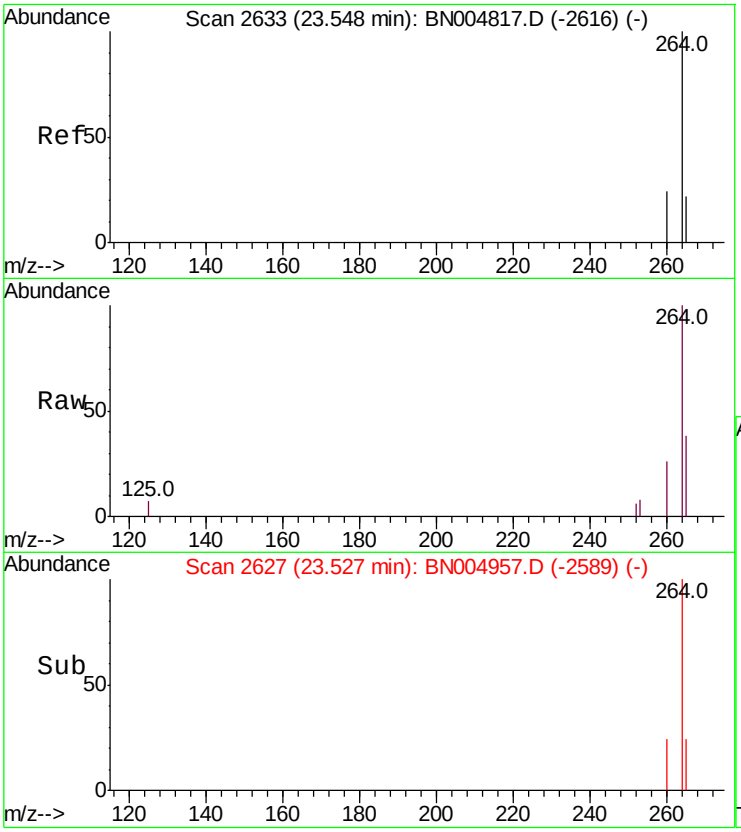


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.679 ng
RT: 25.79 min Scan# 3288
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:276 Resp: 64425

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.6	24.8
277	25.3	20.3	30.5



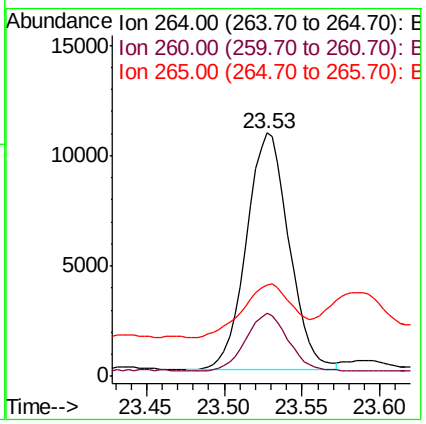


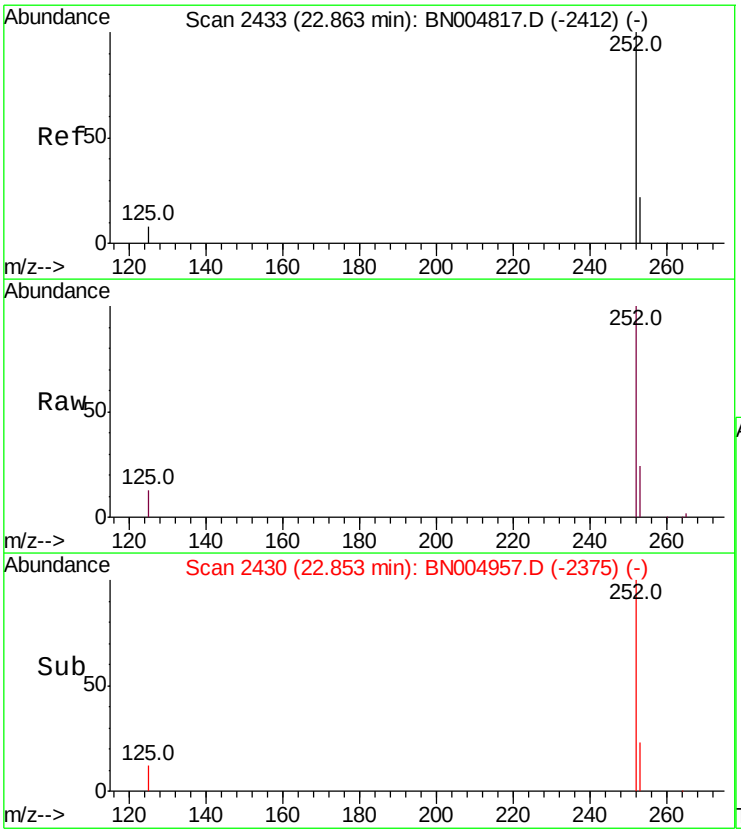
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:264 Resp: 20300

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.5	29.3
265	37.7	23.1	34.7#

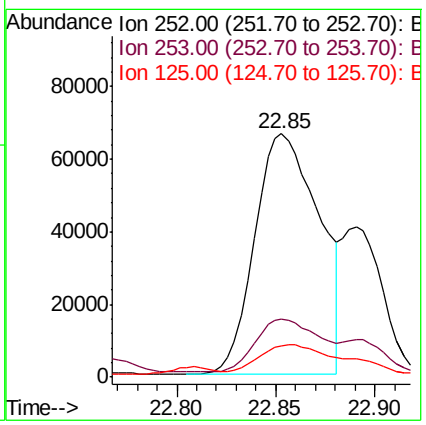


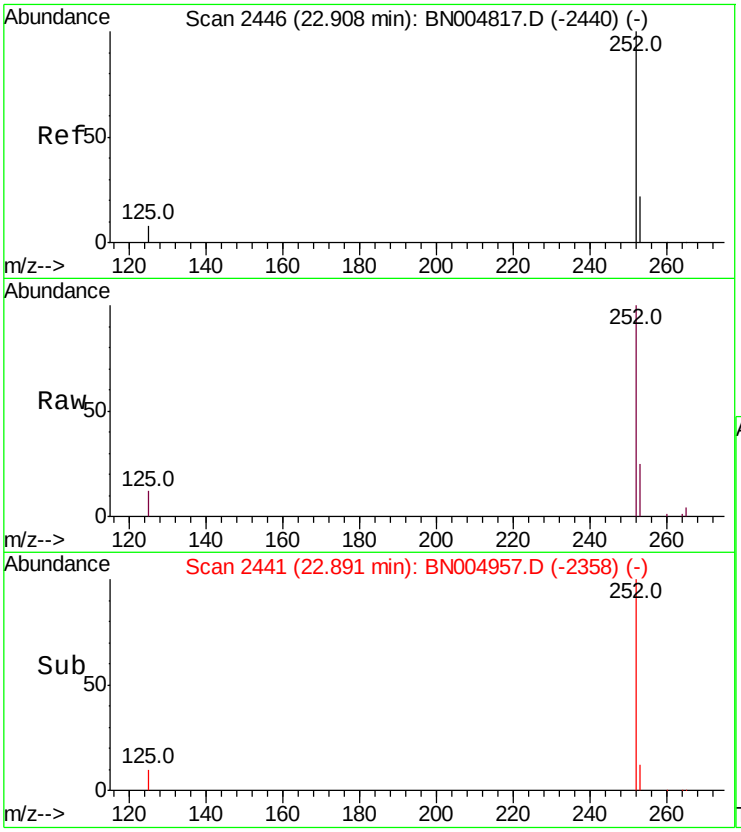


#35
Benzo(b)fluoranthene
Concen: 2.041 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:252 Resp: 149903

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.4
125	12.8	7.4	11.2#



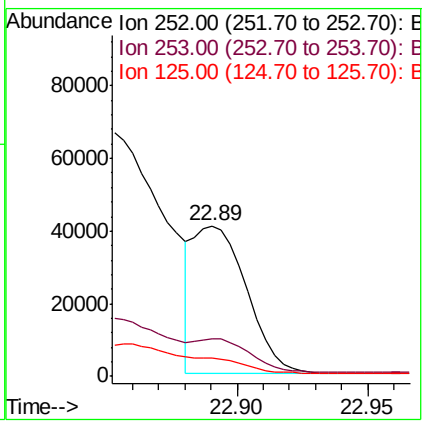


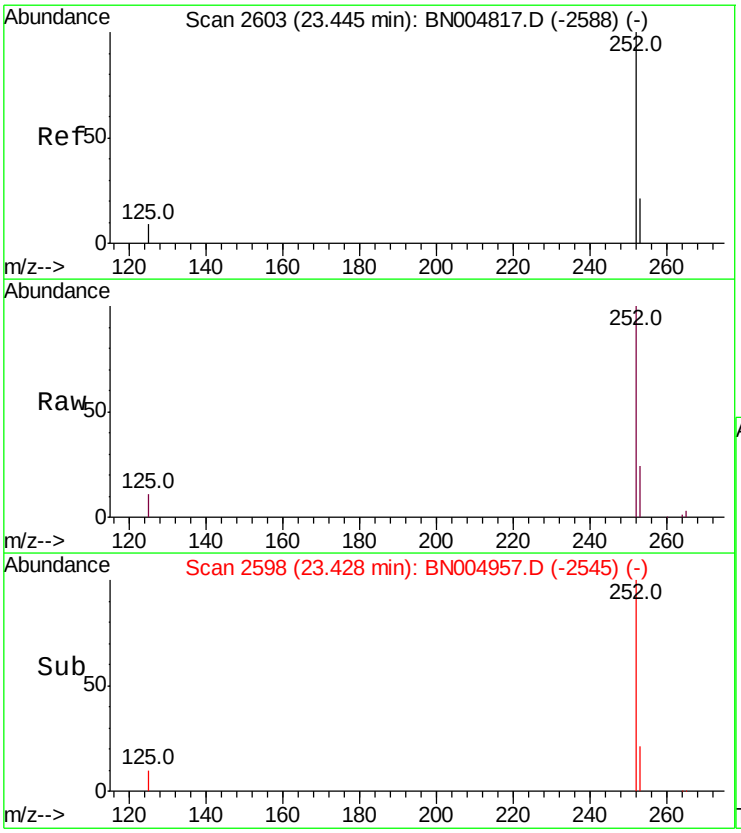
#36
Benzo(k)fluoranthene
Concen: 0.799 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:252 Resp: 57714

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.3	28.9
125	12.2	7.4	11.0#

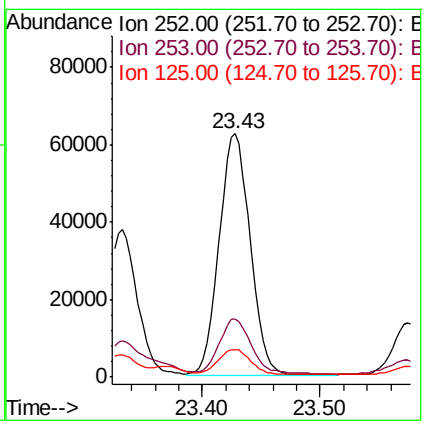


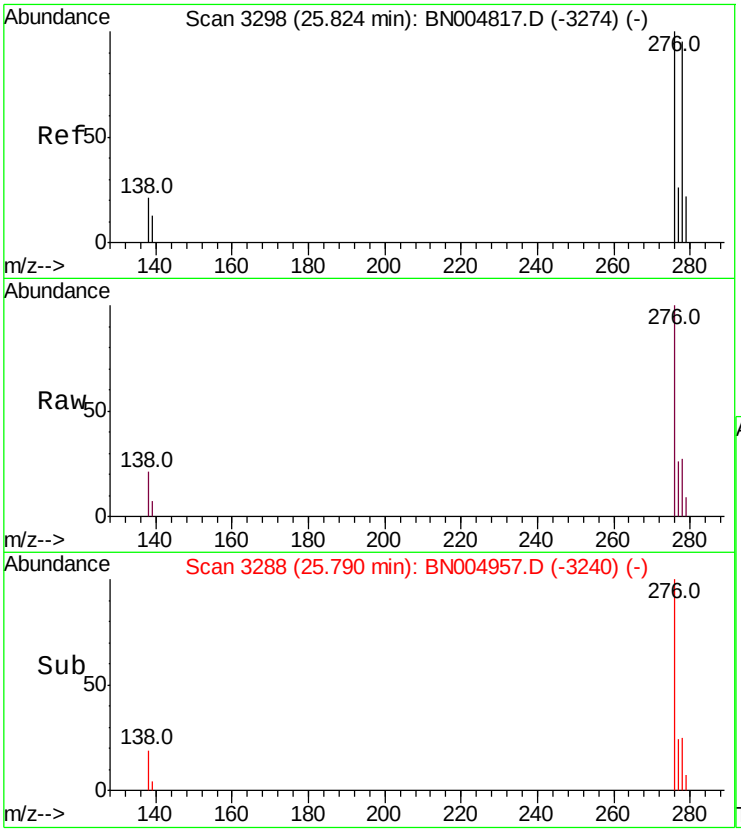


#37
Benzo(a)pyrene
Concen: 1.680 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:252 Resp: 113161

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.7	29.5
125	11.5	8.3	12.5



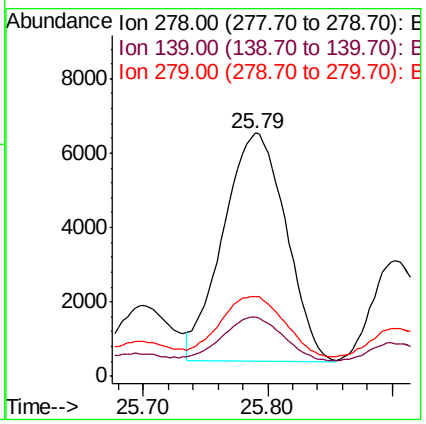


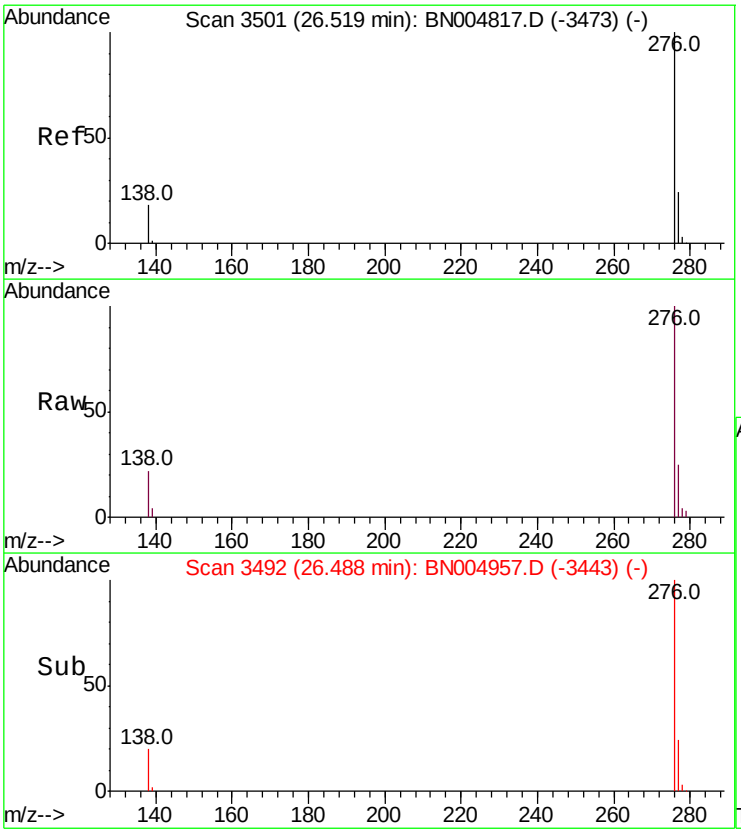
#38
Dibenzo(a,h)anthracene
Concen: 0.274 ng
RT: 25.79 min Scan# 3288
Delta R.T. -0.03 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719DL

Tgt Ion:278 Resp: 21352

Ion	Ratio	Lower	Upper
278	100		
139	24.3	11.7	17.5#
279	32.9	19.9	29.9#





#39
Benzo(g,h,i)perylene
Concen: 0.692 ng
RT: 26.49 min Scan# 3492
Delta R.T. -0.03 min
Lab File: BN004957.D
Acq: 25 Mar 2019 13:00

Tgt Ion:276 Resp: 55020

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.7	29.5
138	21.5	14.6	22.0