Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
Data File : BN008027.D
Acq On : 05 Oct 2019 15:52
Operator : JU
Sample : K5078-19MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-024-SW134-092519MS

Quant Time: Oct 07 06:41:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

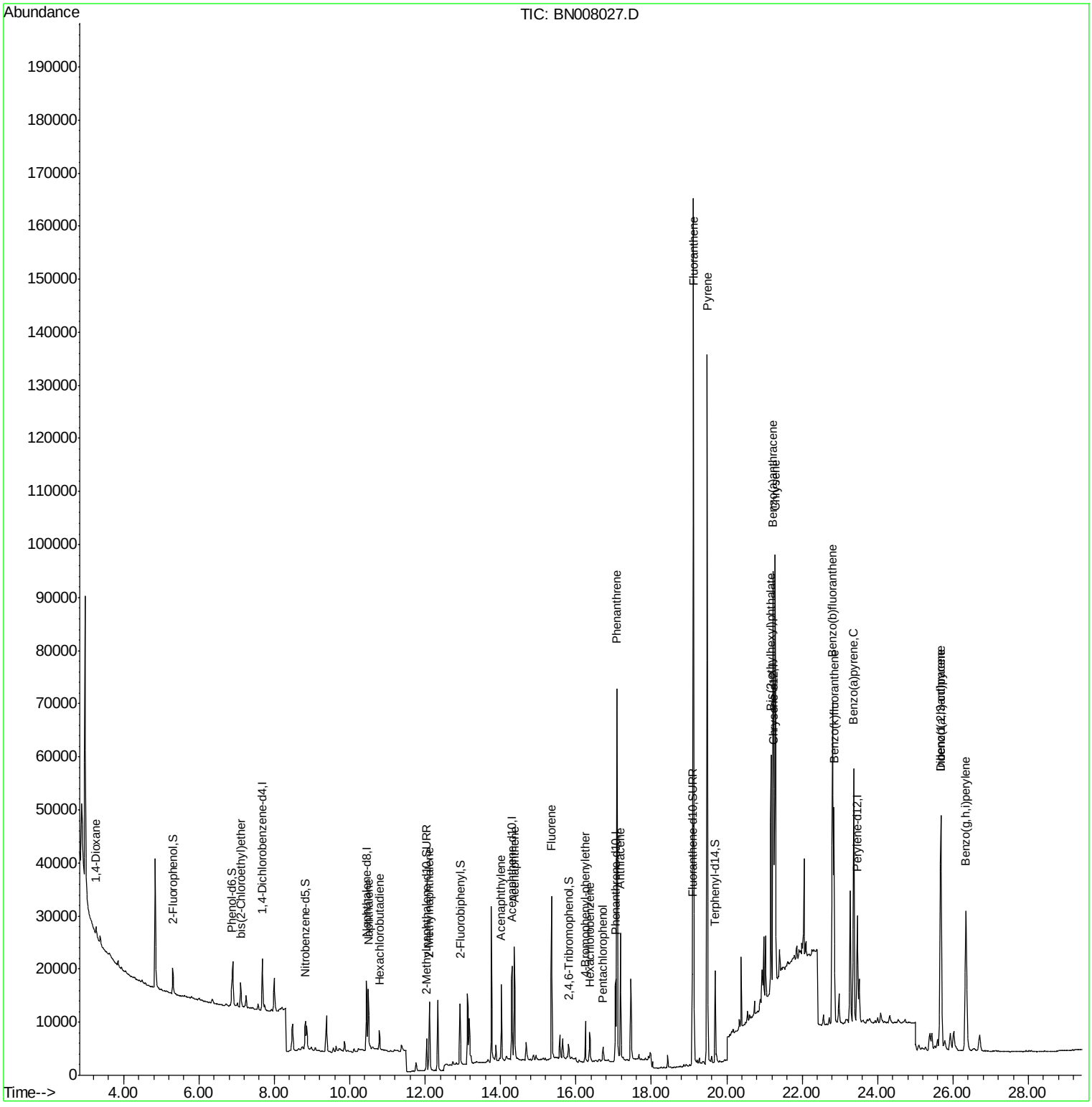
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	4686	0.40	ng		-0.02
7) Naphthalene-d8	10.44	136	18345	0.40	ng		-0.03
13) Acenaphthene-d10	14.31	164	11615	0.40	ng		-0.02
19) Phenanthrene-d10	17.06	188	23259	0.40	ng		-0.01
27) Chrysene-d12	21.25	240	23995	0.40	ng		-0.02
34) Perylene-d12	23.46	264	26342	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	4165	0.26	ng		0.00
5) Phenol-d6	6.87	99	5265	0.26	ng		0.00
8) Nitrobenzene-d5	8.82	82	4890	0.30	ng		-0.01
11) 2-Methylnaphthalene-d10	12.04	152	9343	0.30	ng		-0.02
14) 2,4,6-Tribromophenol	15.80	330	1798	0.28	ng		-0.02
15) 2-Fluorobiphenyl	12.93	172	11878	0.25	ng		-0.02
25) Fluoranthene-d10	19.09	212	21063	0.27	ng		-0.02
29) Terphenyl-d14	19.69	244	17819	0.30	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	1113	0.213	ng	#	32
6) bis(2-Chloroethyl)ether	7.11	93	4252	0.320	ng		90
9) Naphthalene	10.49	128	14849	0.288	ng		97
10) Hexachlorobutadiene	10.79	225	3086	0.285	ng	#	100
12) 2-Methylnaphthalene	12.12	142	10023	0.288	ng		99
16) Acenaphthylene	14.02	152	17276	0.280	ng		99
17) Acenaphthene	14.36	154	10965	0.276	ng		96
18) Fluorene	15.36	166	15147	0.298	ng		99
20) 4-Bromophenyl-phenylether	16.25	248	3987	0.282	ng	#	91
21) Hexachlorobenzene	16.37	284	4302	0.279	ng		98
22) Pentachlorophenol	16.72	266	1682	0.296	ng		94
23) Phenanthrene	17.09	178	81379	1.123	ng		100
24) Anthracene	17.18	178	25379	0.388	ng		99
26) Fluoranthene	19.12	202	146359	1.625	ng		99
28) Pyrene	19.48	202	122162	1.493	ng		97
30) Benzo(a)anthracene	21.23	228	67079	0.759	ng		99
31) Chrysene	21.28	228	74333	0.863	ng		97
32) Bis(2-ethylhexyl)phthalate	21.18	149	34622	0.762	ng		100
33) Indeno(1,2,3-cd)pyrene	25.67	276	60166	0.558	ng		97
35) Benzo(b)fluoranthene	22.80	252	90480	0.989	ng	#	94
36) Benzo(k)fluoranthene	22.84	252	49691	0.549	ng	#	92
37) Benzo(a)pyrene	23.37	252	66214	0.770	ng	#	92
38) Dibenzo(a,h)anthracene	25.68	278	30430	0.346	ng	#	85
39) Benzo(g,h,i)perylene	26.34	276	55851	0.642	ng		96

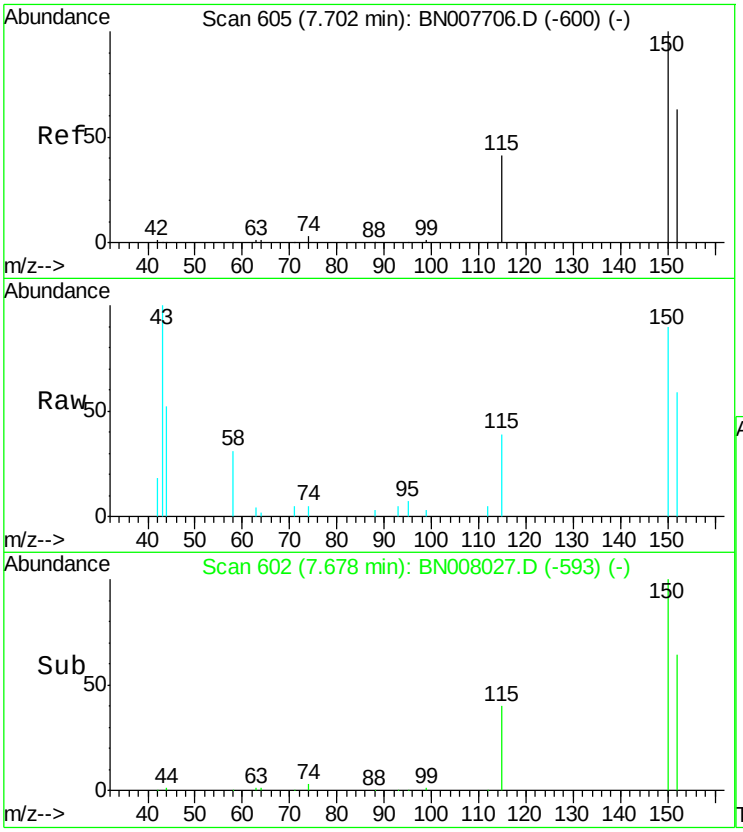
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
Data File : BN008027.D
Acq On : 05 Oct 2019 15:52
Operator : JU
Sample : K5078-19MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Quant Time: Oct 07 06:41:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration



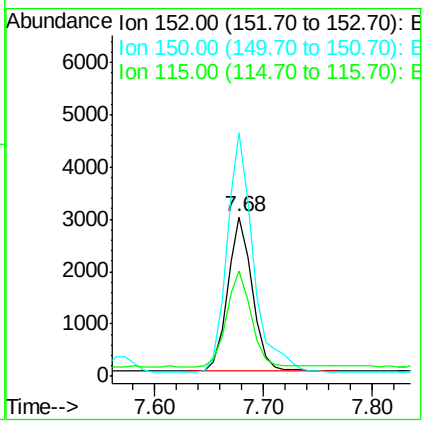


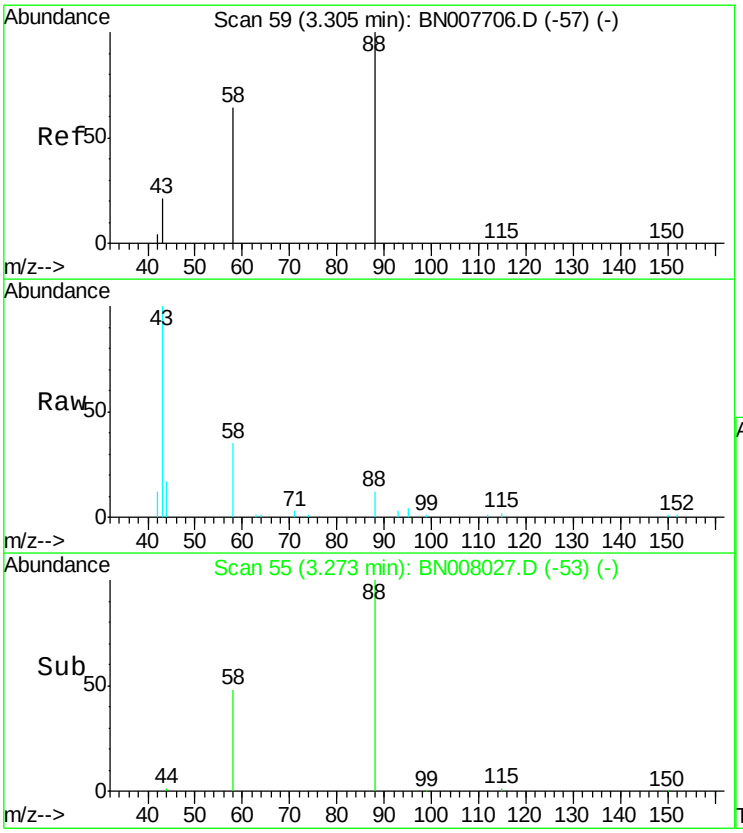
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:152 Resp: 4686

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.6	188.4
115	65.9	53.3	79.9

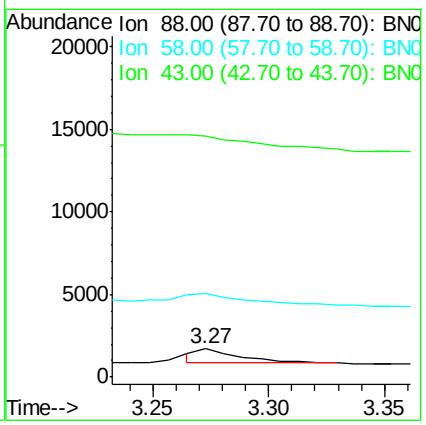


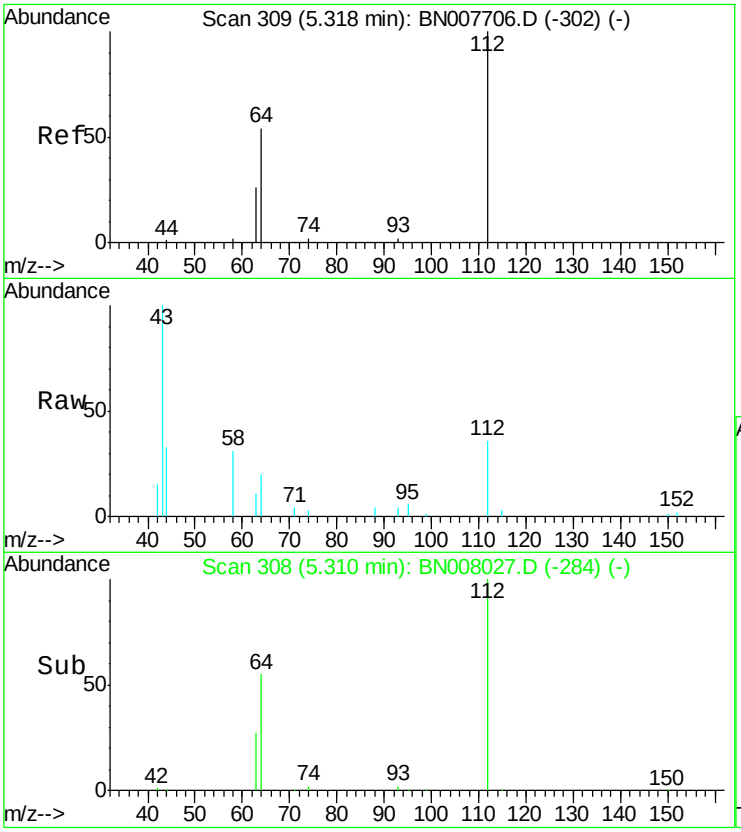


#2
1,4-Dioxane
Concen: 0.213 ng
RT: 3.27 min Scan# 55
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion: 88 Resp: 1113

Ion	Ratio	Lower	Upper
88	100		
58	0.0	44.6	66.8#
43	0.0	14.4	21.6#



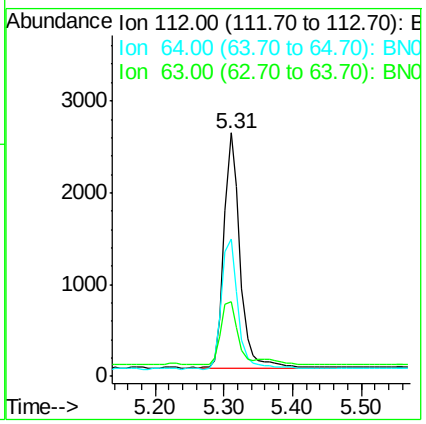


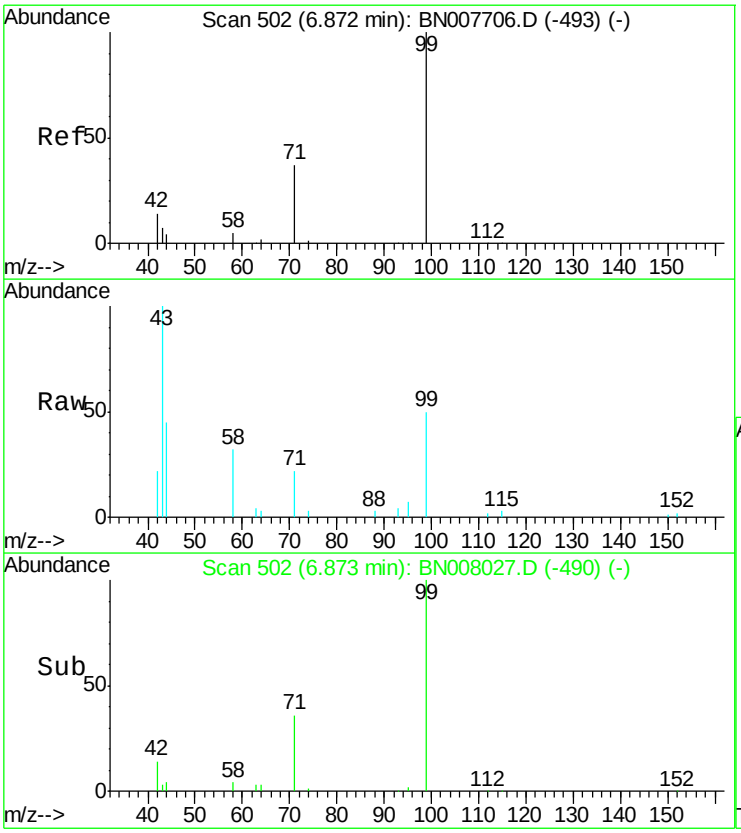
#4
2-Fluorophenol
Concen: 0.258 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:112 Resp: 4165

Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	70.0
63	27.8	23.1	34.7

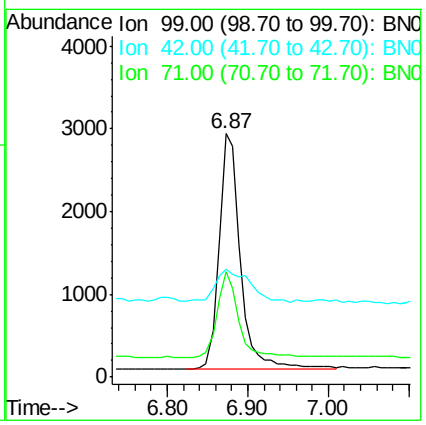


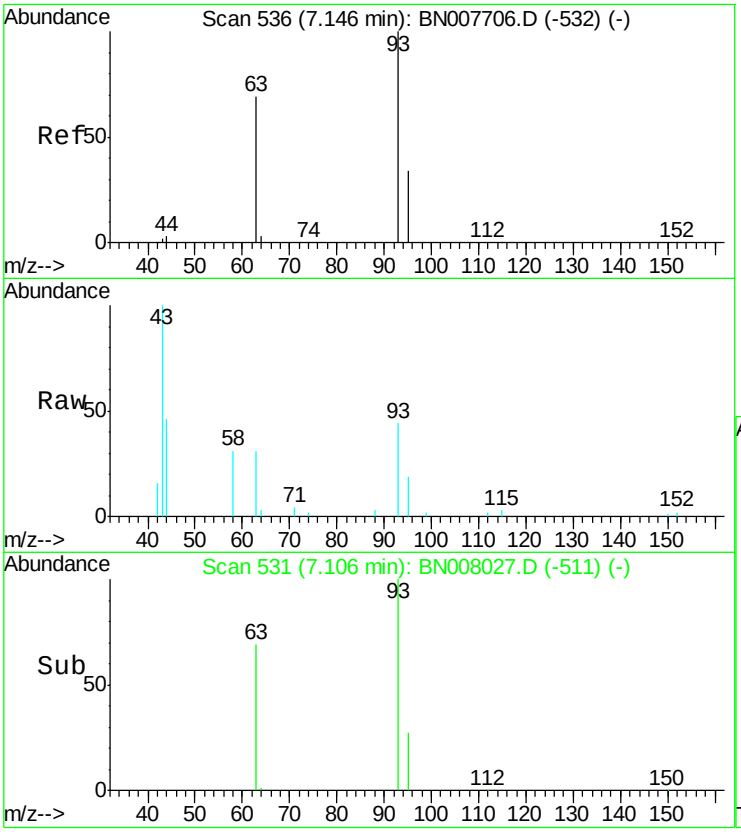


#5
Phenol-d6
Concen: 0.260 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion: 99 Resp: 5265

Ion	Ratio	Lower	Upper
99	100		
42	22.7	12.8	19.2#
71	36.0	27.6	41.4



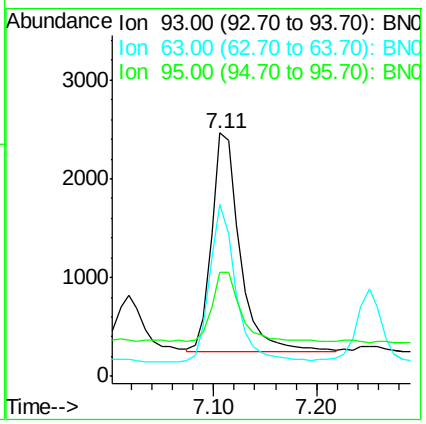


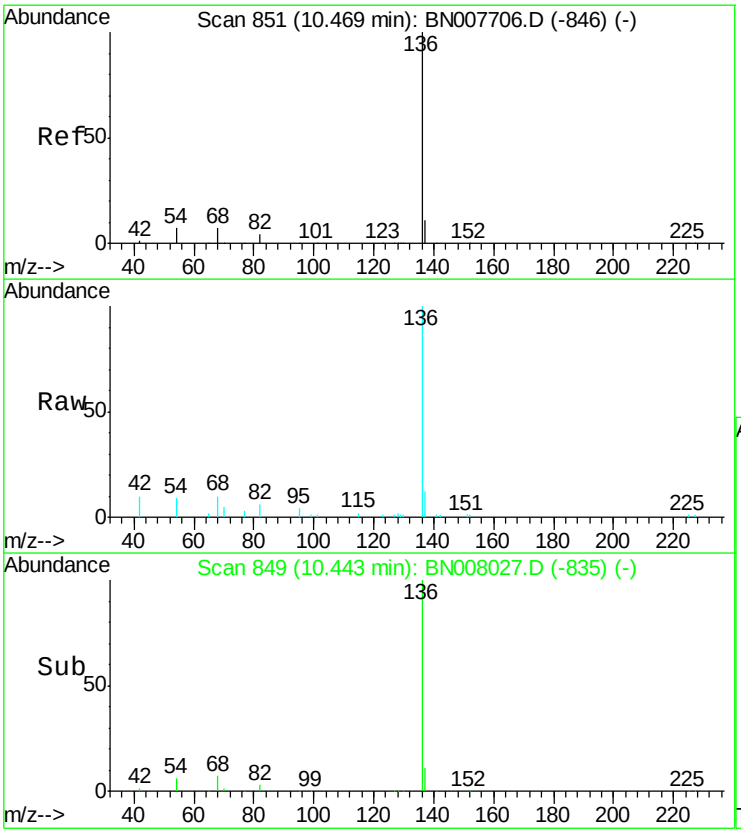
#6
bis(2-Chloroethyl)ether
Concen: 0.320 ng
RT: 7.11 min Scan# 531
Delta R.T. -0.04 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion: 93 Resp: 4252

Ion	Ratio	Lower	Upper
93	100		
63	66.3	59.3	88.9
95	32.2	31.4	47.0

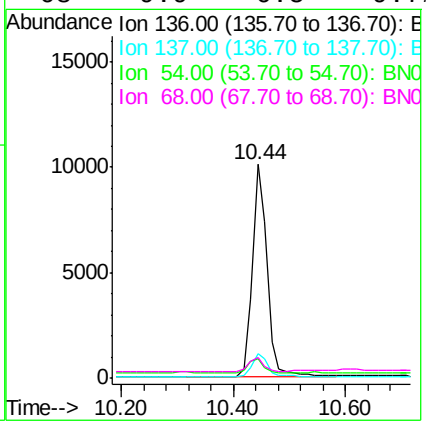


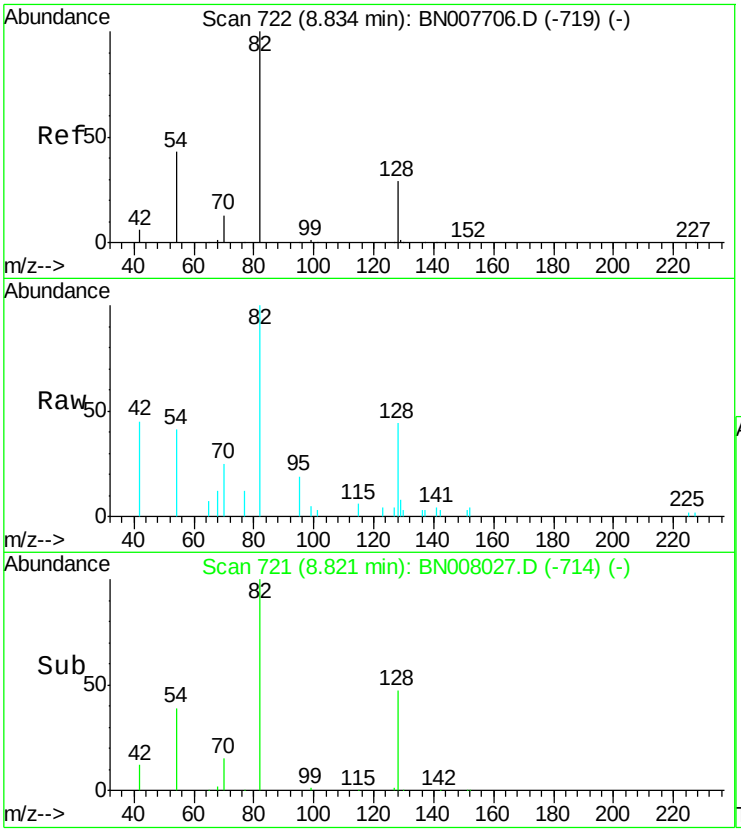


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 849
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:136 Resp: 18345

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	8.8	5.8	8.8#
68	9.9	6.5	9.7#



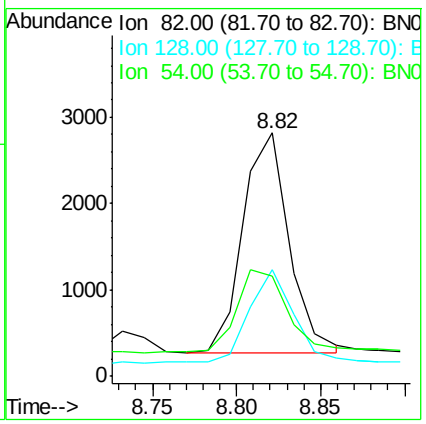


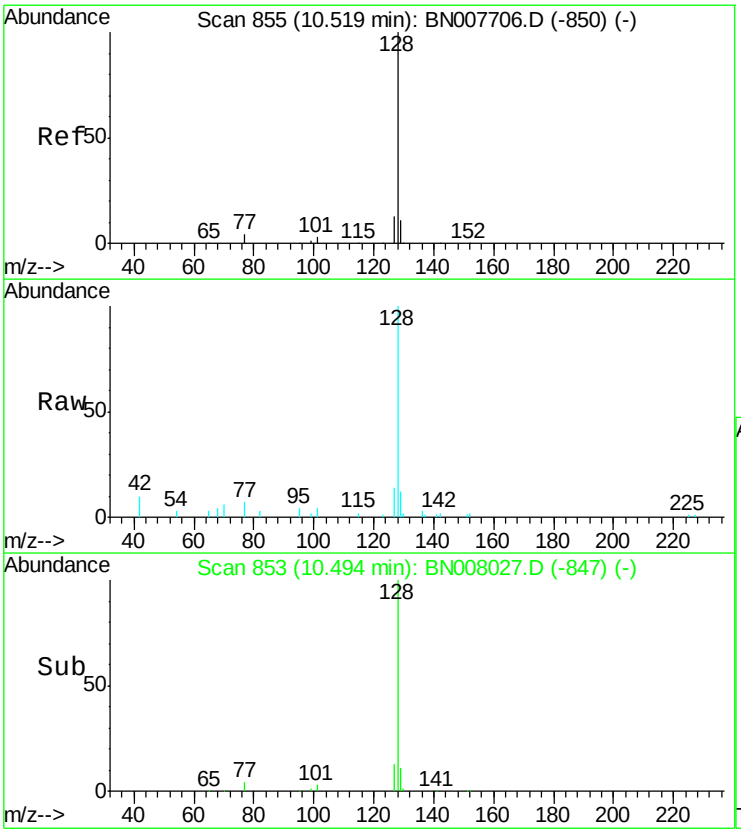
#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 8.82 min Scan# 721
Delta R.T. -0.01 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion: 82 Resp: 4890

Ion	Ratio	Lower	Upper
82	100		
128	43.7	24.5	36.7#
54	41.3	35.2	52.8

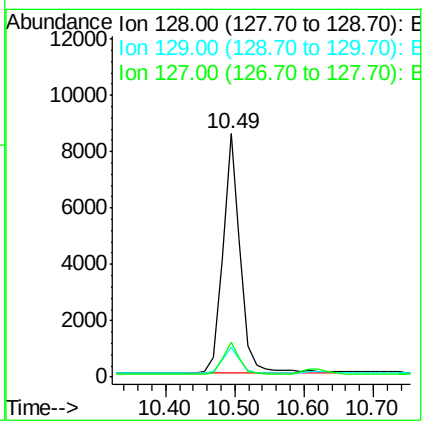


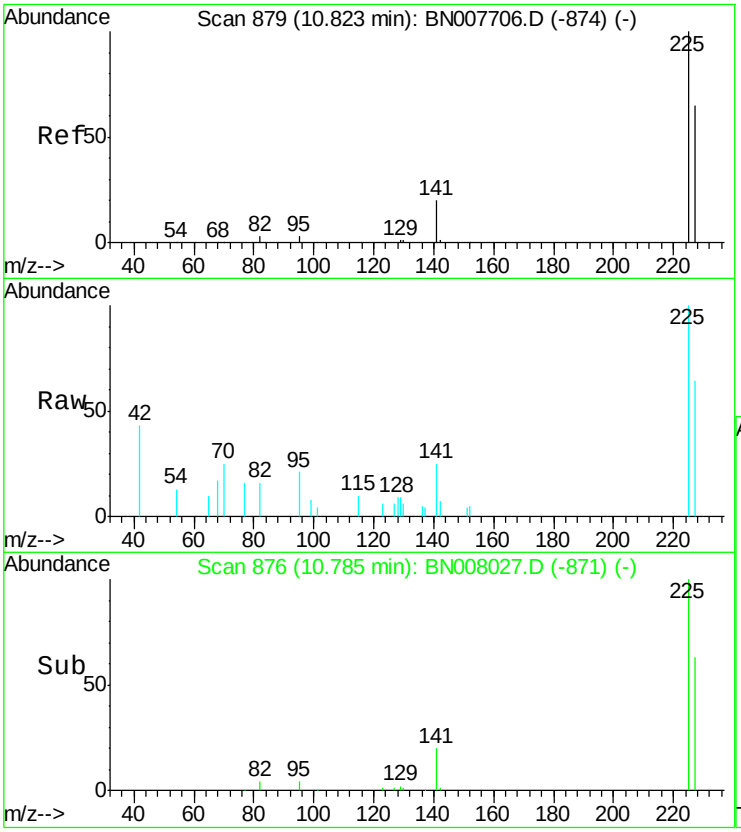


#9
Naphthalene
Concen: 0.288 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:128 Resp: 14849

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.1	13.7
127	14.2	10.6	15.8



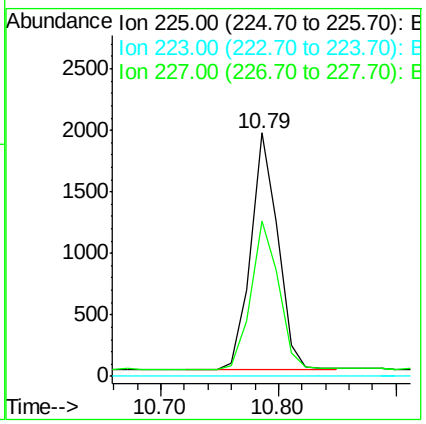


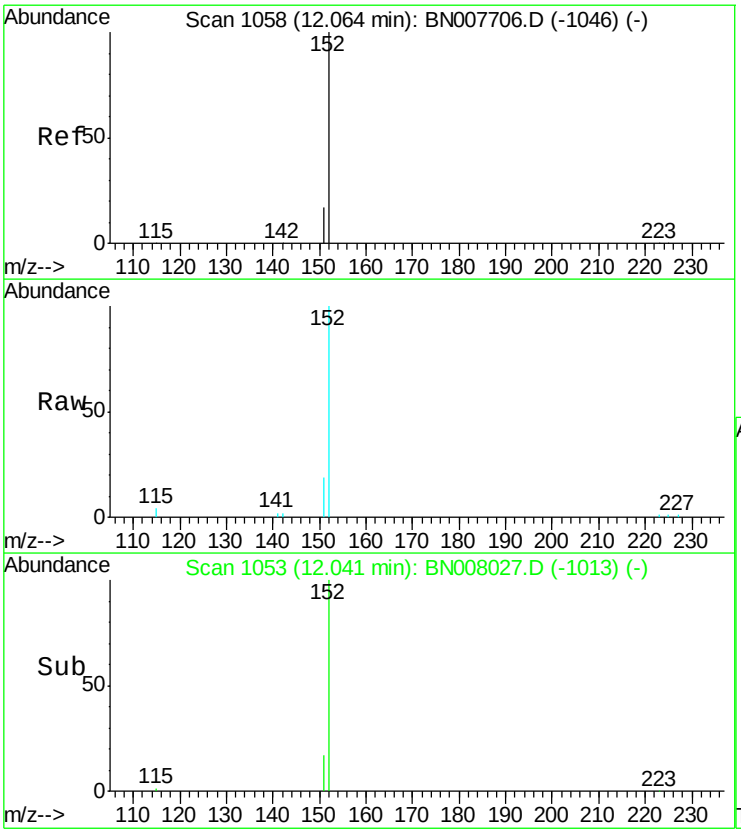
#10
Hexachlorobutadiene
Concen: 0.285 ng
RT: 10.79 min Scan# 876
Delta R.T. -0.04 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:225 Resp: 3086

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.2	76.8

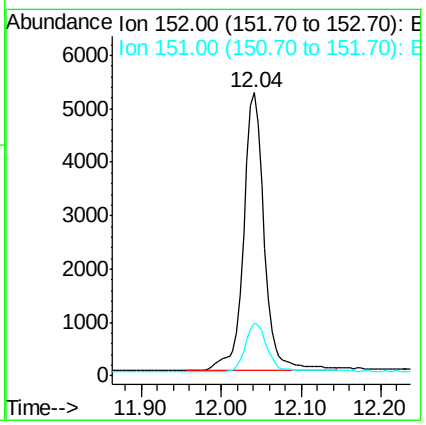


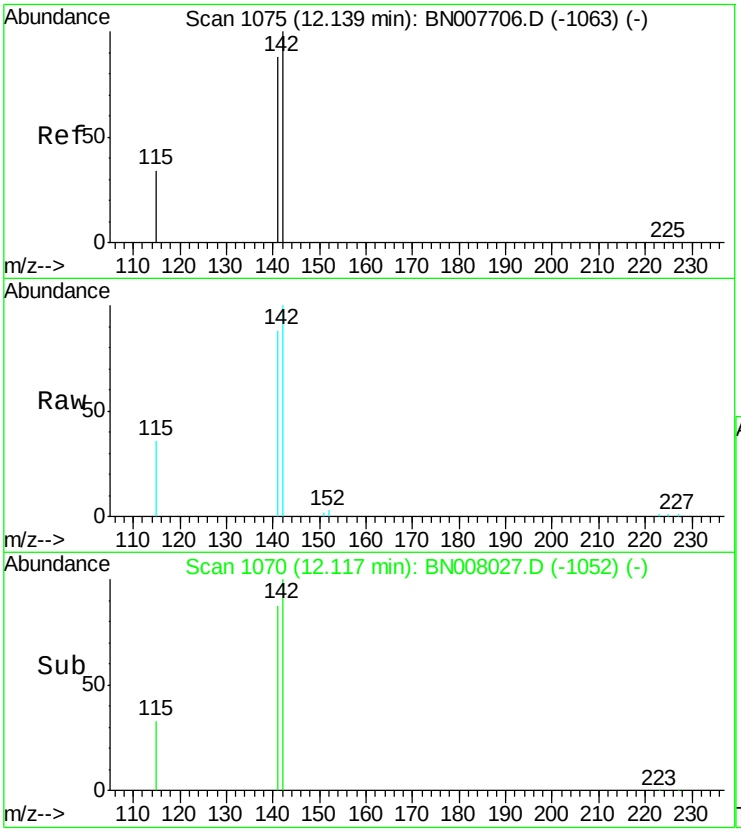


#11
2-Methylnaphthalene-d10
Concen: 0.302 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:152 Resp: 9343

Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.4	23.2



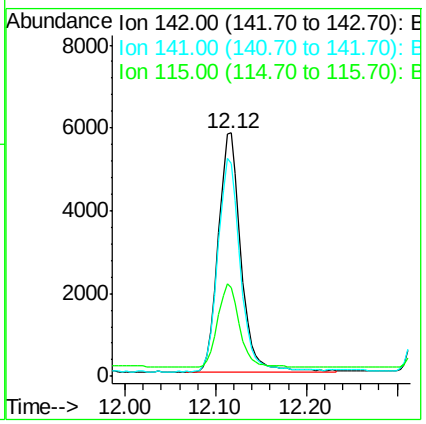


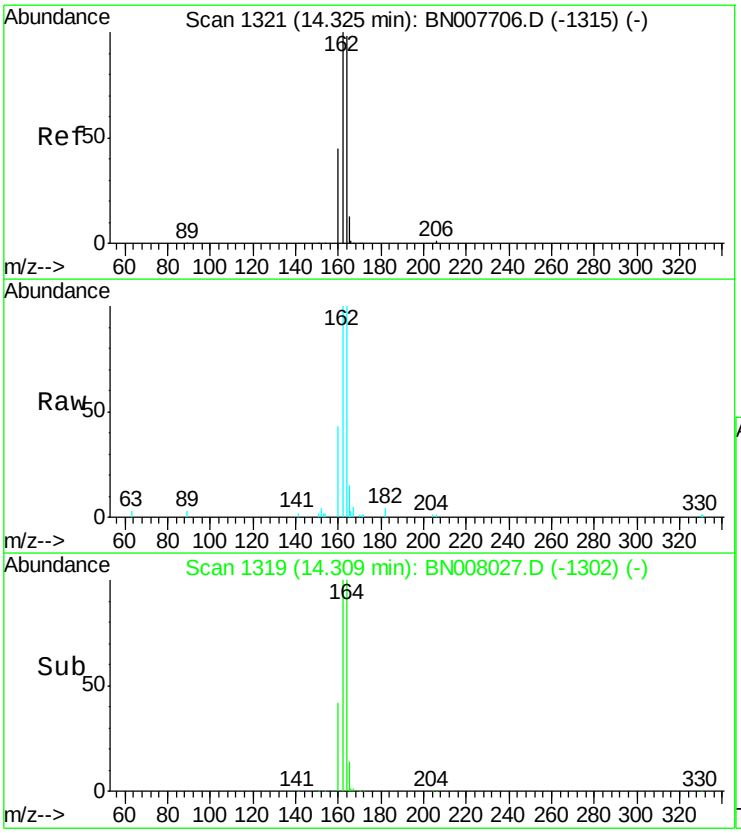
#12
2-Methylnaphthalene
Concen: 0.288 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:142 Resp: 10023

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.6	106.0
115	36.3	28.3	42.5

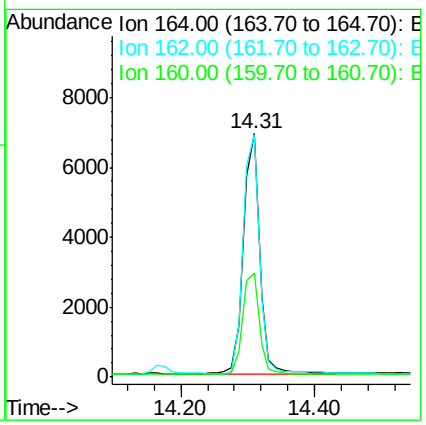


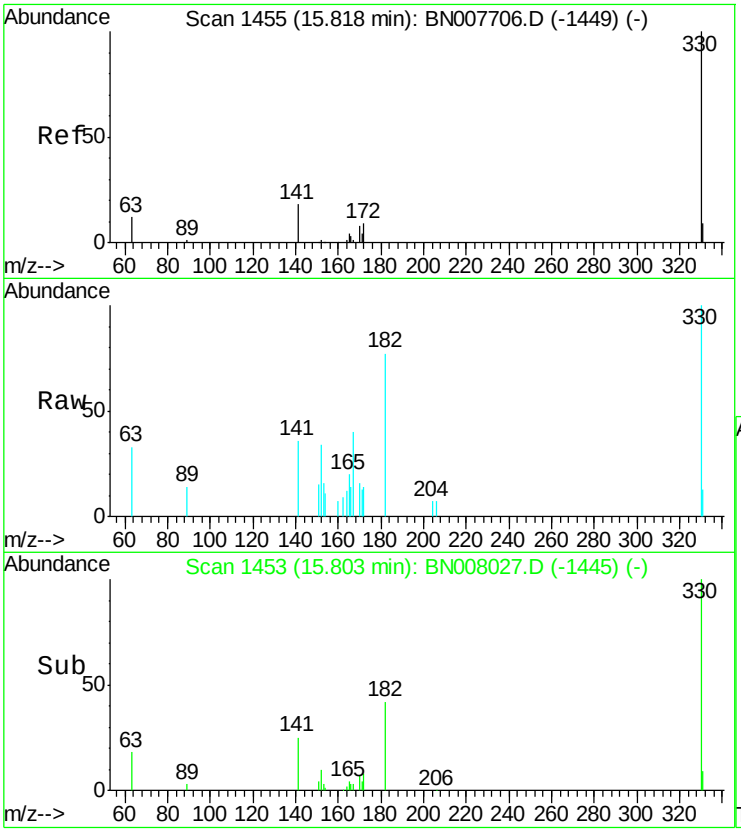


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:164 Resp: 11615

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.7	122.5
160	42.9	37.0	55.4



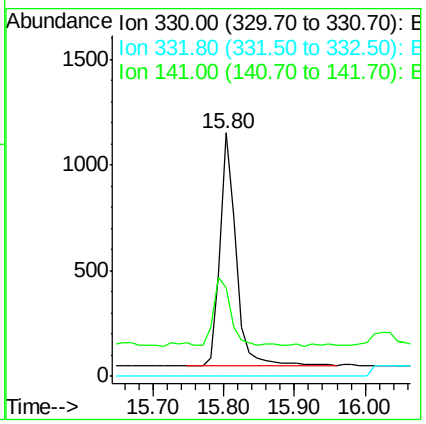


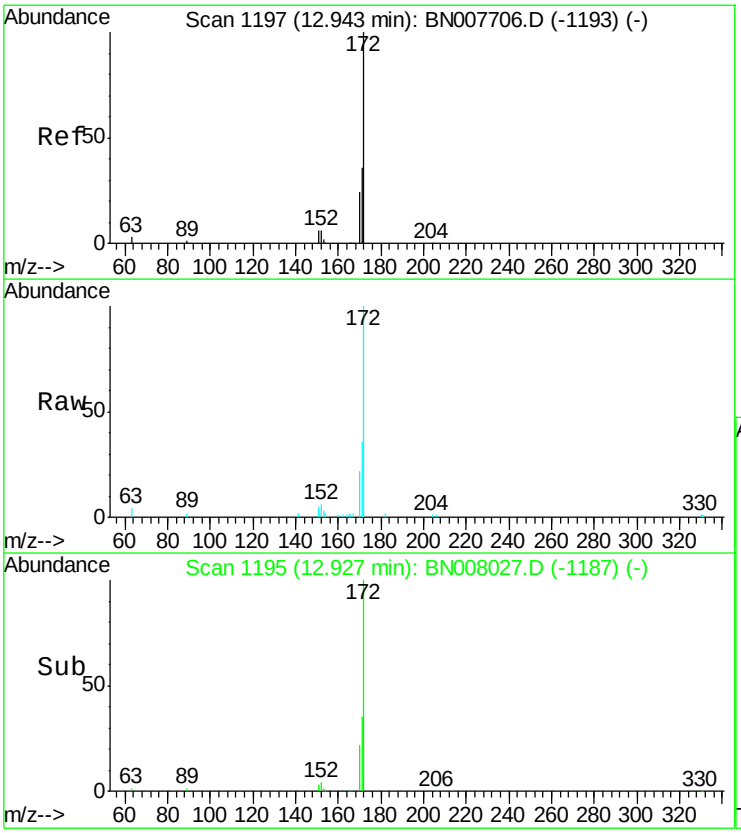
#14
2,4,6-Tribromophenol
Concen: 0.284 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:330 Resp: 1798

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	28.7	43.1

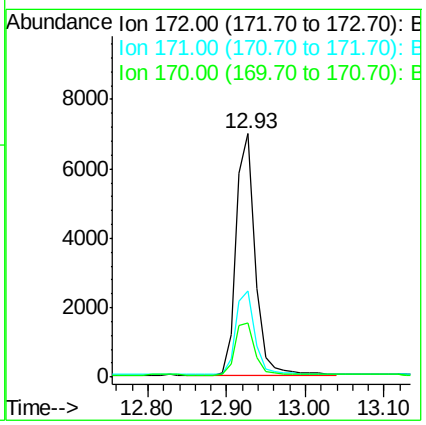


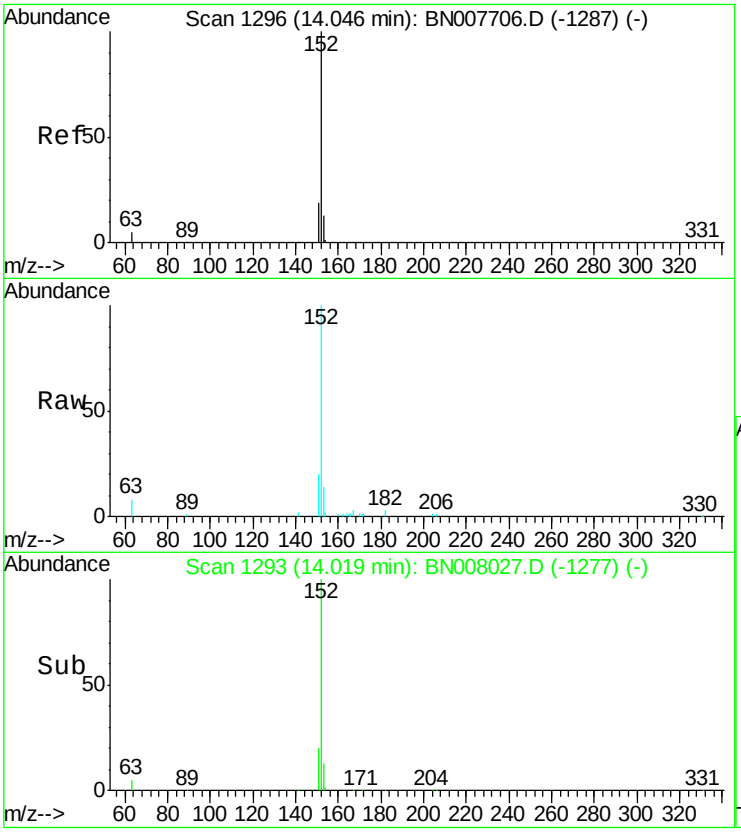


#15
2-Fluorobiphenyl
Concen: 0.248 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:172 Resp: 11878

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	22.4	19.5	29.3



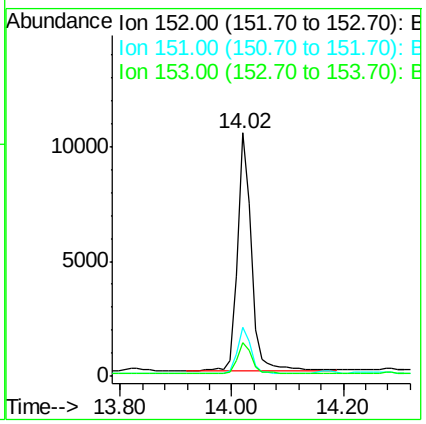


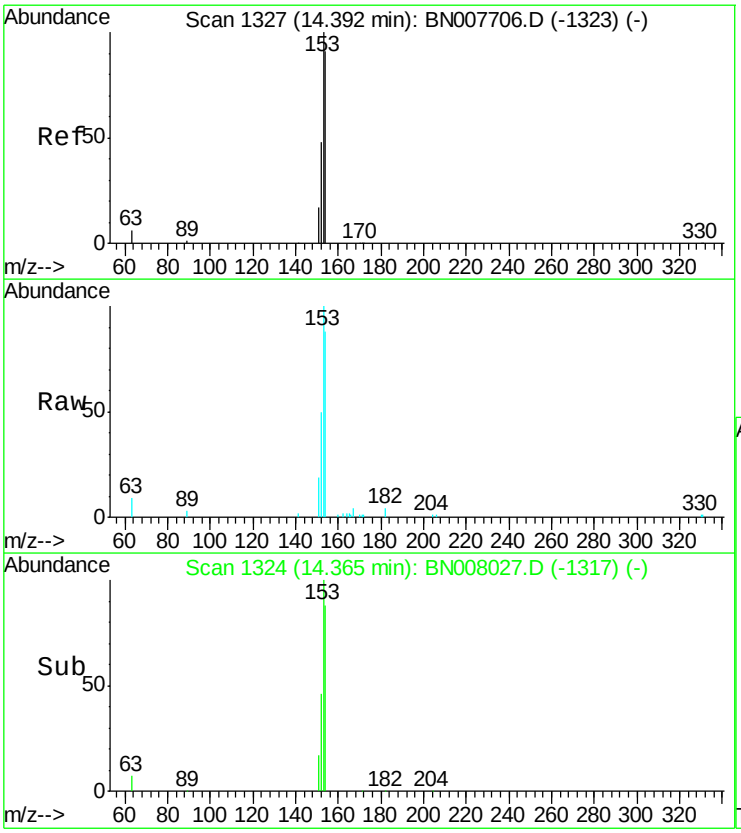
#16
Acenaphthylene
Concen: 0.280 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:152 Resp: 17276

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	12.9	10.4	15.6

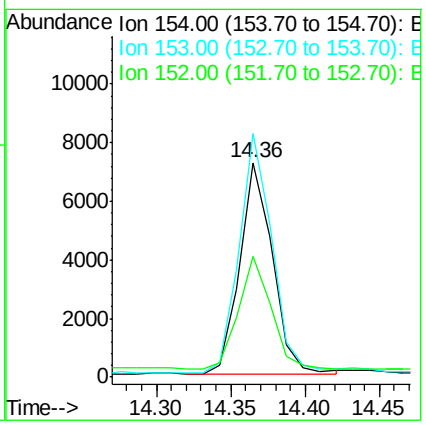


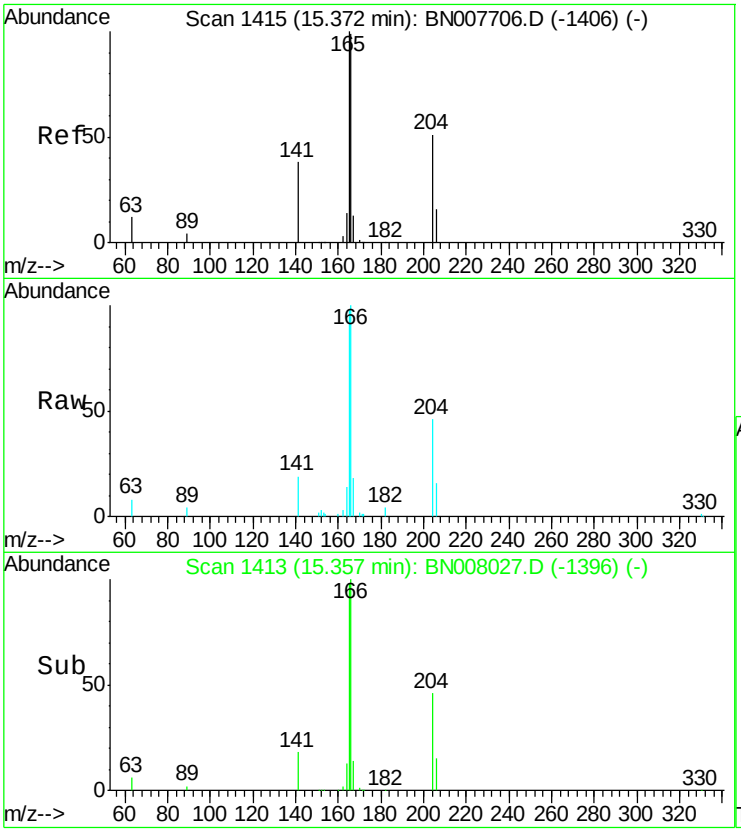


#17
Acenaphthene
Concen: 0.276 ng
RT: 14.36 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:154 Resp: 10965

Ion	Ratio	Lower	Upper
154	100		
153	114.3	87.0	130.4
152	54.8	42.7	64.1



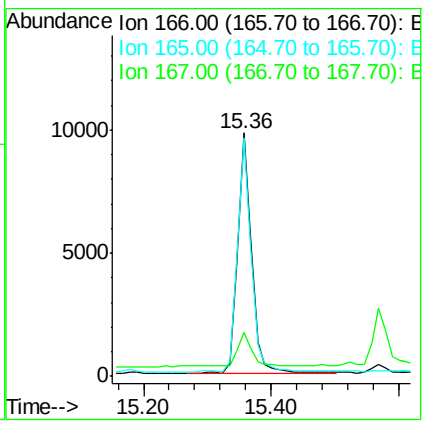


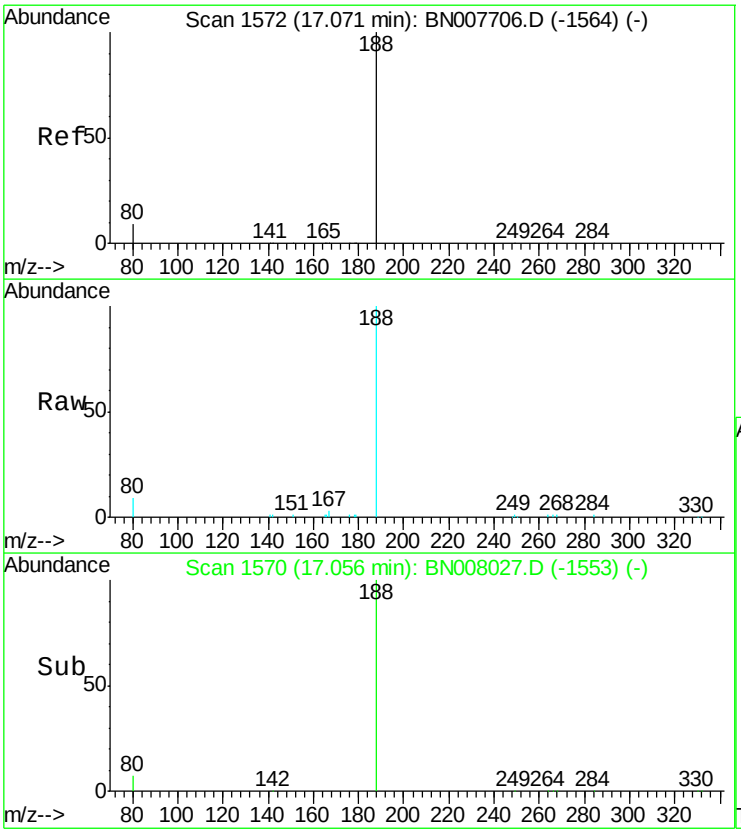
#18
Fluorene
Concen: 0.298 ng
RT: 15.36 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:166 Resp: 15147

Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.0	117.0
167	13.6	10.9	16.3

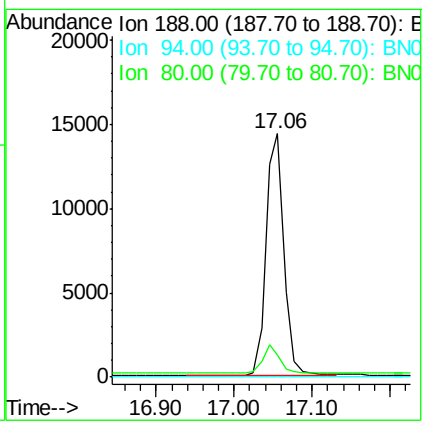


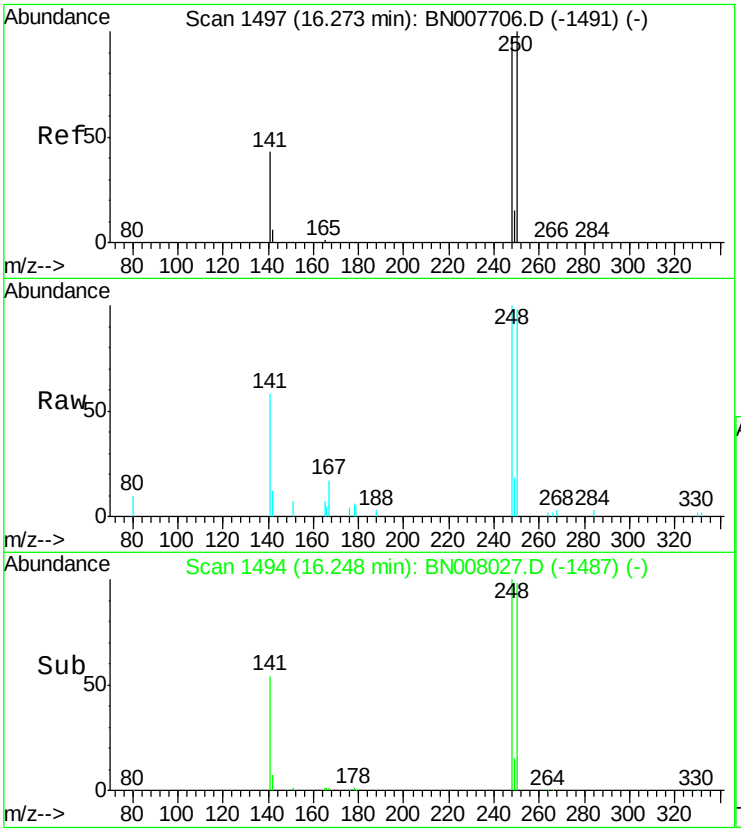


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:188 Resp: 23259

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.4	11.2



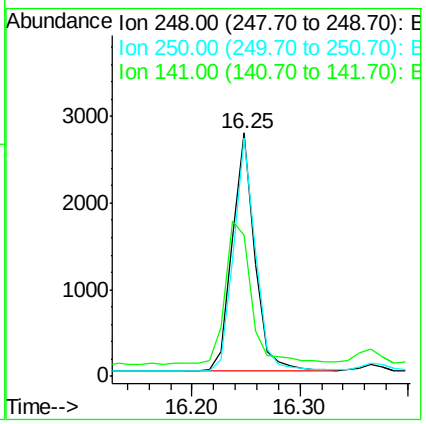


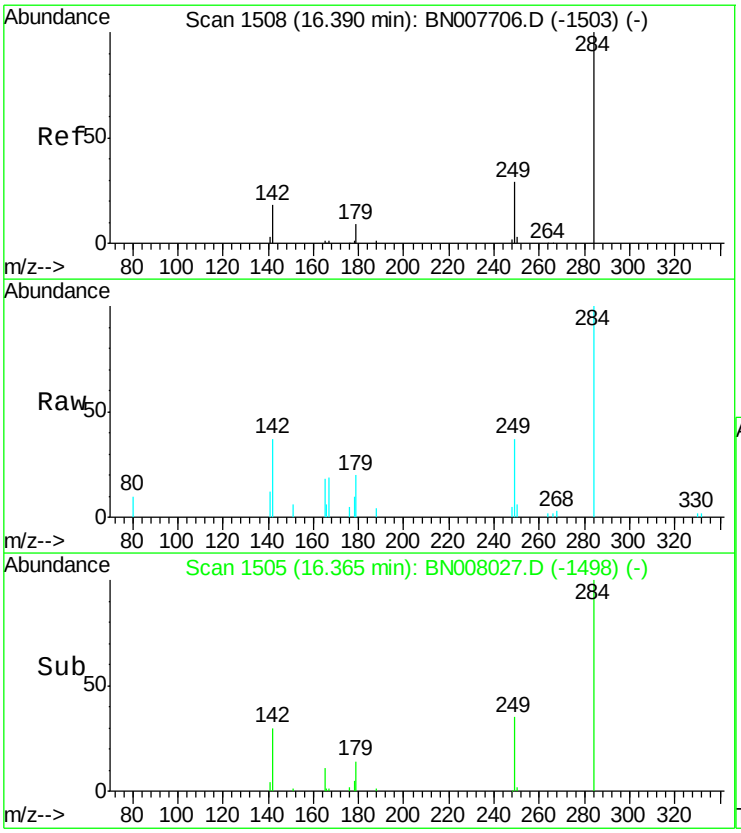
#20
4-Bromophenyl-phenylether
Concen: 0.282 ng
RT: 16.25 min Scan# 1494
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:248 Resp: 3987

Ion	Ratio	Lower	Upper
248	100		
250	98.2	82.2	123.4
141	58.1	36.3	54.5#

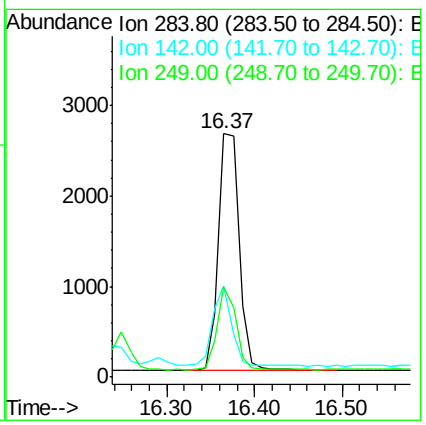


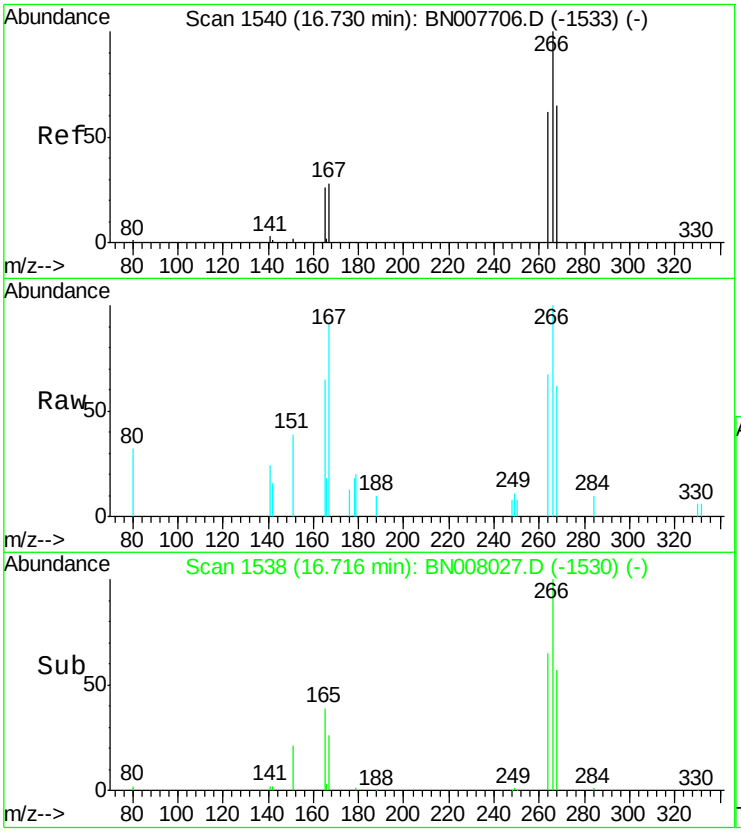


#21
Hexachlorobenzene
Concen: 0.279 ng
RT: 16.37 min Scan# 1505
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:284 Resp: 4302

Ion	Ratio	Lower	Upper
284	100		
142	30.5	25.8	38.6
249	31.5	25.9	38.9



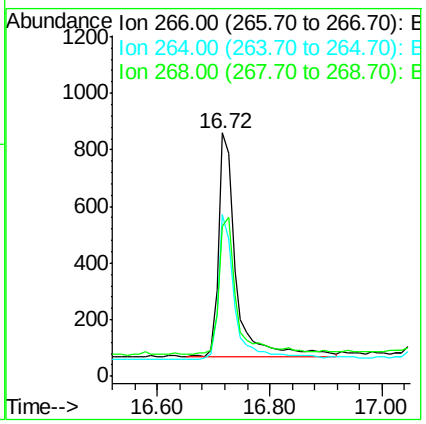


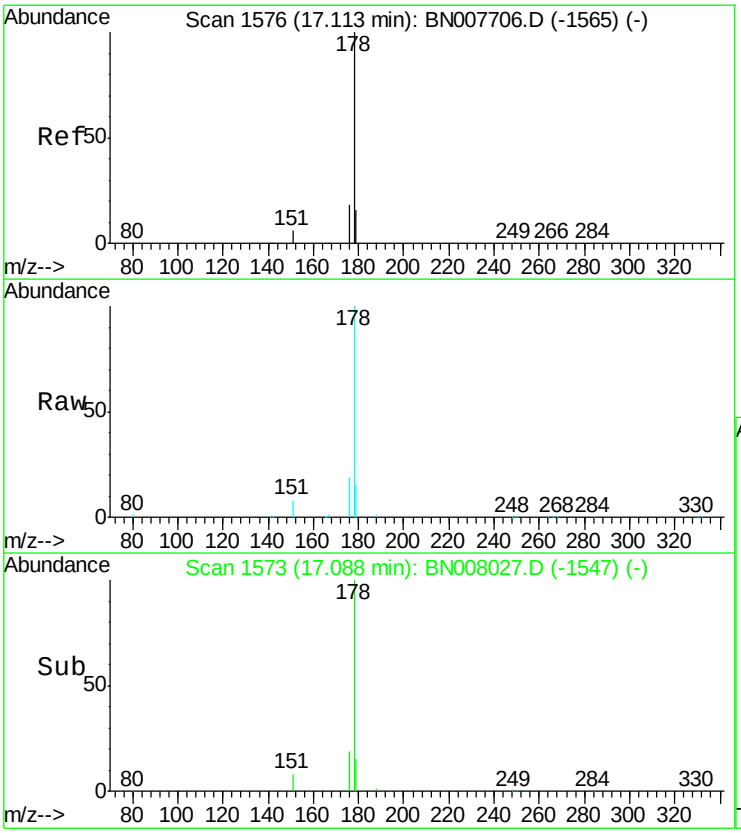
#22
Pentachlorophenol
Concen: 0.296 ng
RT: 16.72 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:266 Resp: 1682

Ion	Ratio	Lower	Upper
266	100		
264	66.5	50.0	75.0
268	61.7	54.2	81.4

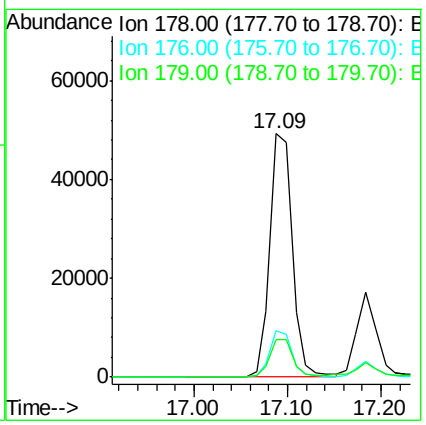


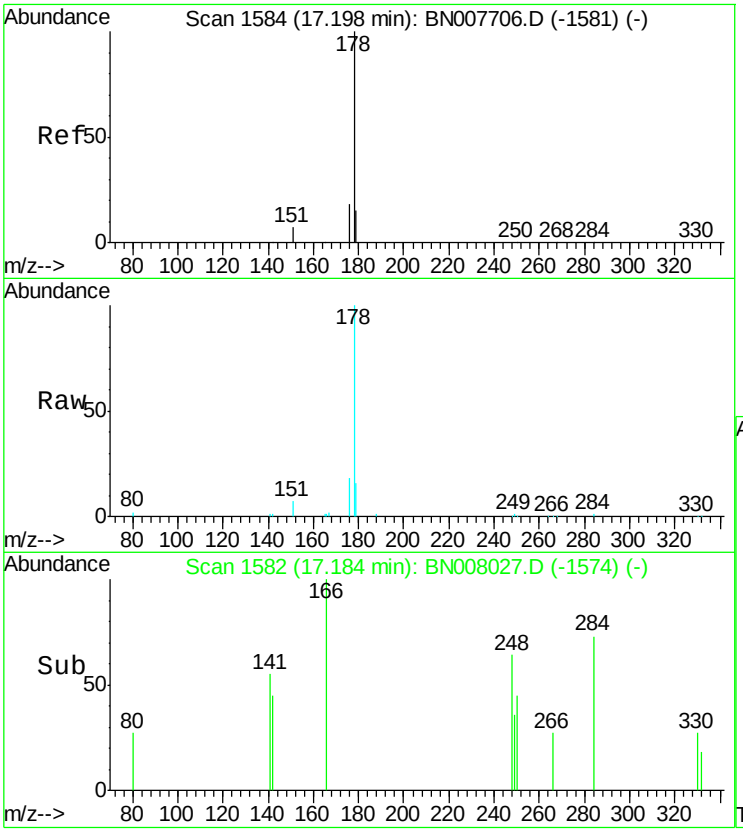


#23
Phenanthrene
Concen: 1.123 ng
RT: 17.09 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:178 Resp: 81379

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.2	12.5	18.7



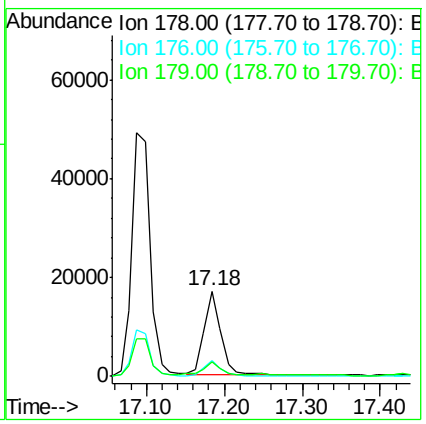


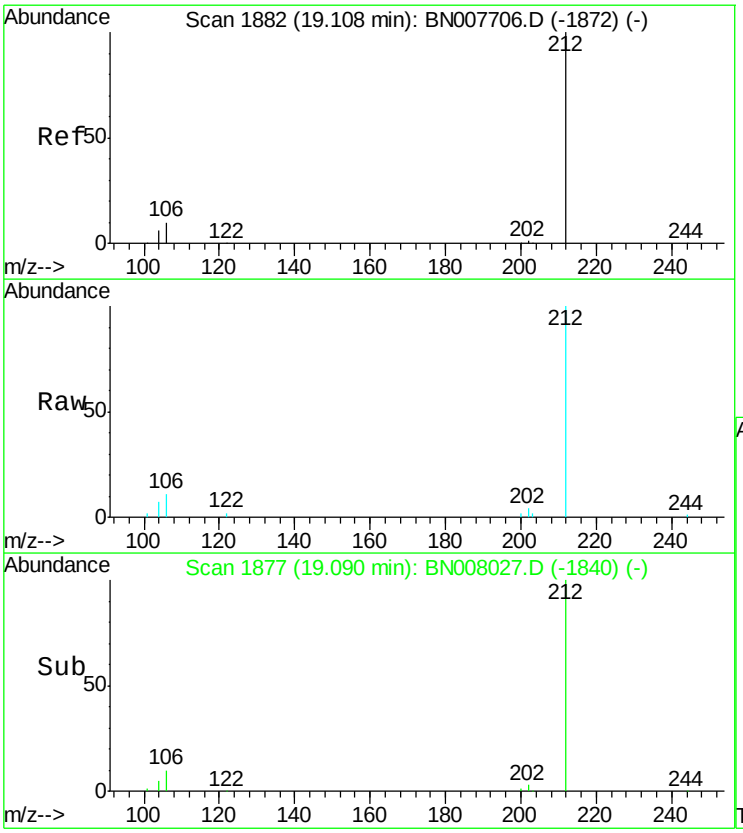
#24
Anthracene
Concen: 0.388 ng
RT: 17.18 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:178 Resp: 25379

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	15.0	12.2	18.4

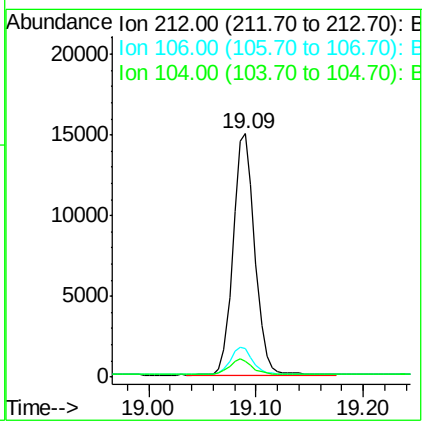


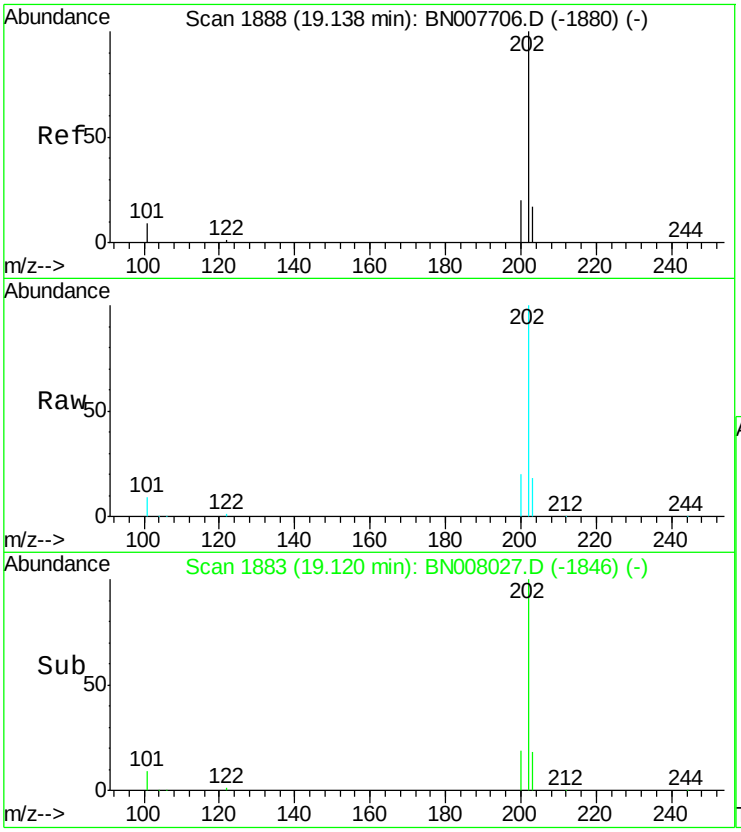


#25
Fluoranthene-d10
Concen: 0.269 ng
RT: 19.09 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:212 Resp: 21063

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.4	14.0
104	6.4	5.3	7.9



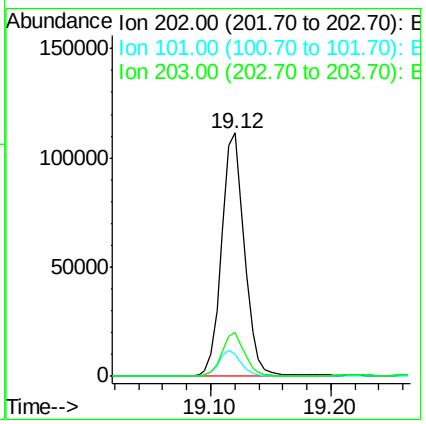


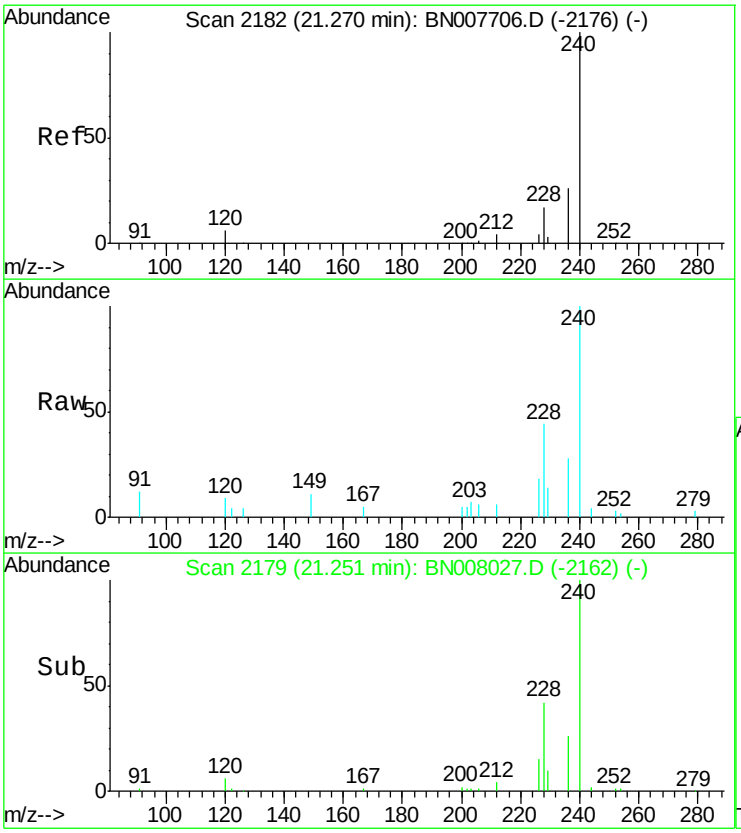
#26
Fluoranthene
Concen: 1.625 ng
RT: 19.12 min Scan# 1883
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:202 Resp: 146359

Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.4	12.6
203	17.4	13.8	20.8

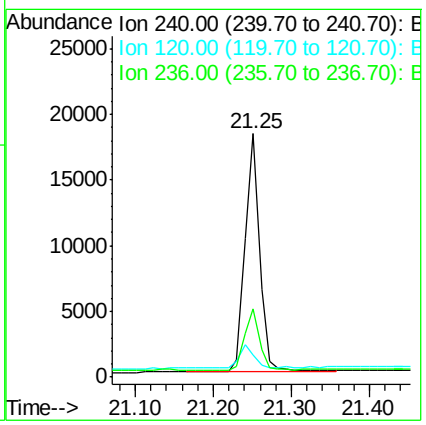


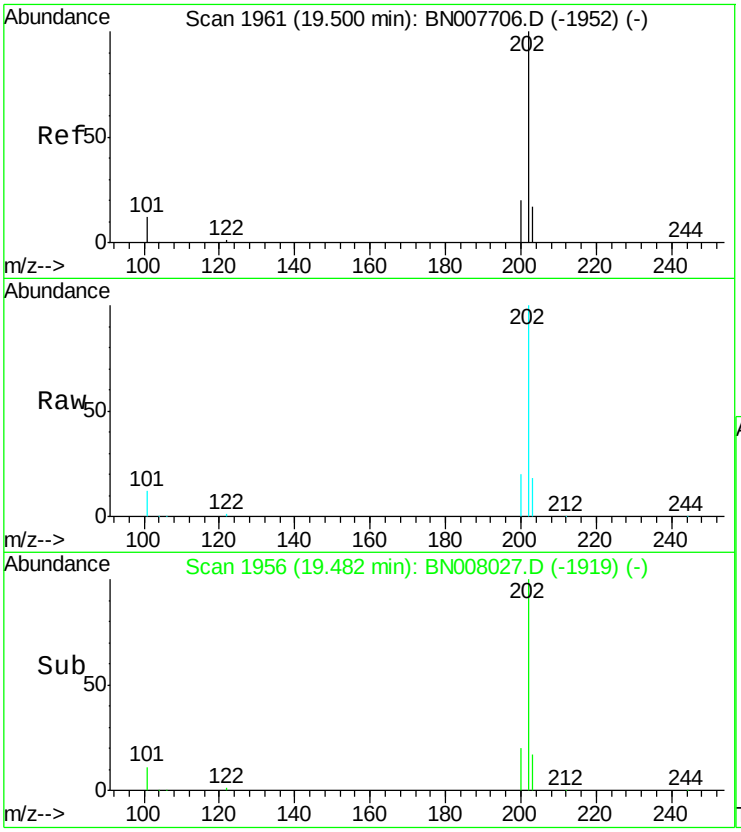


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:240 Resp: 23995

Ion	Ratio	Lower	Upper
240	100		
120	9.1	5.4	8.2#
236	28.2	21.0	31.4



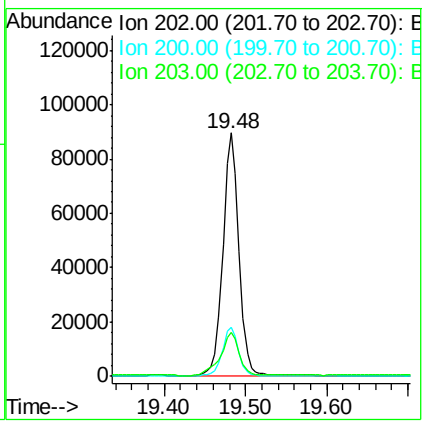


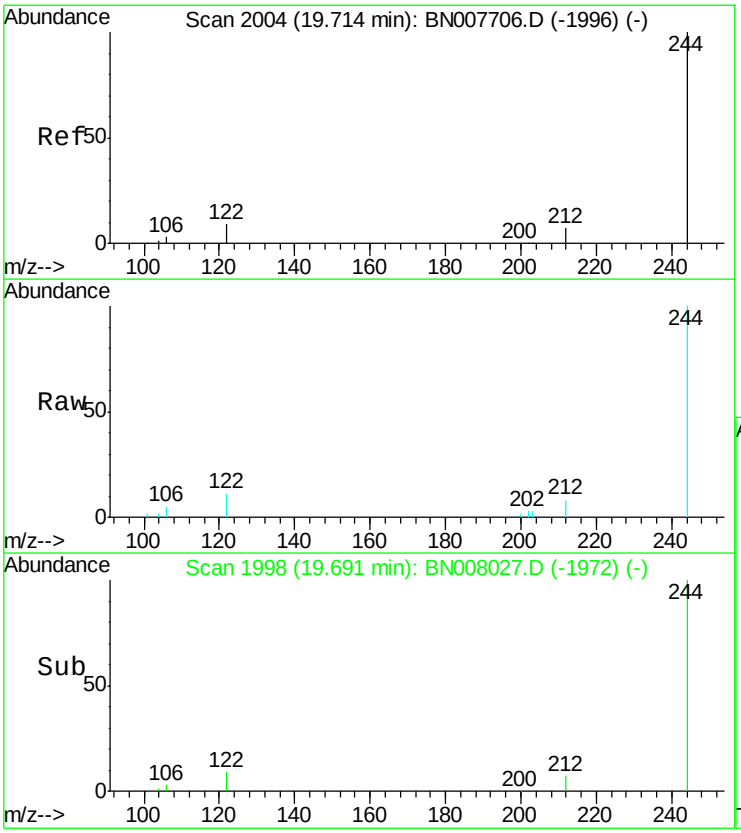
#28
Pyrene
Concen: 1.493 ng
RT: 19.48 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:202 Resp: 122162

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	20.5	14.1	21.1

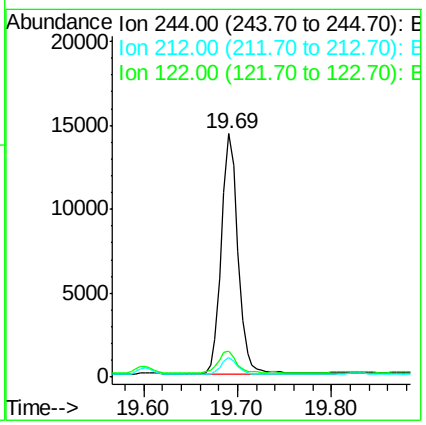


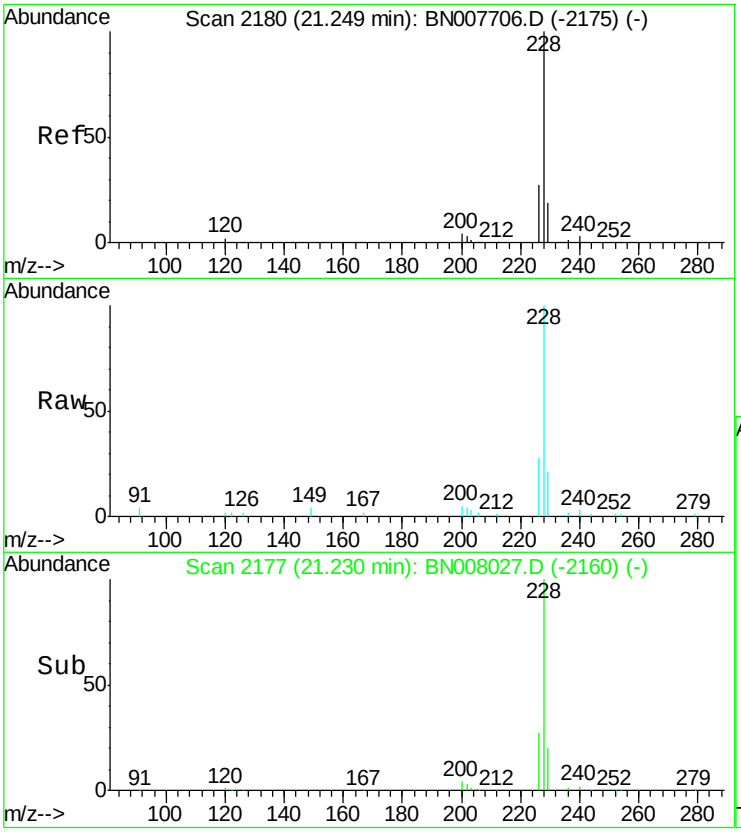


#29
Terphenyl-d14
Concen: 0.302 ng
RT: 19.69 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:244 Resp: 17819

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.9	8.9
122	10.8	7.4	11.2



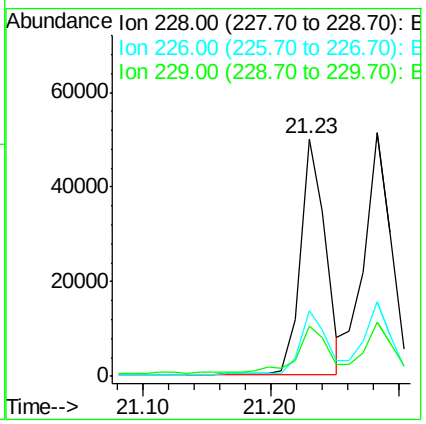


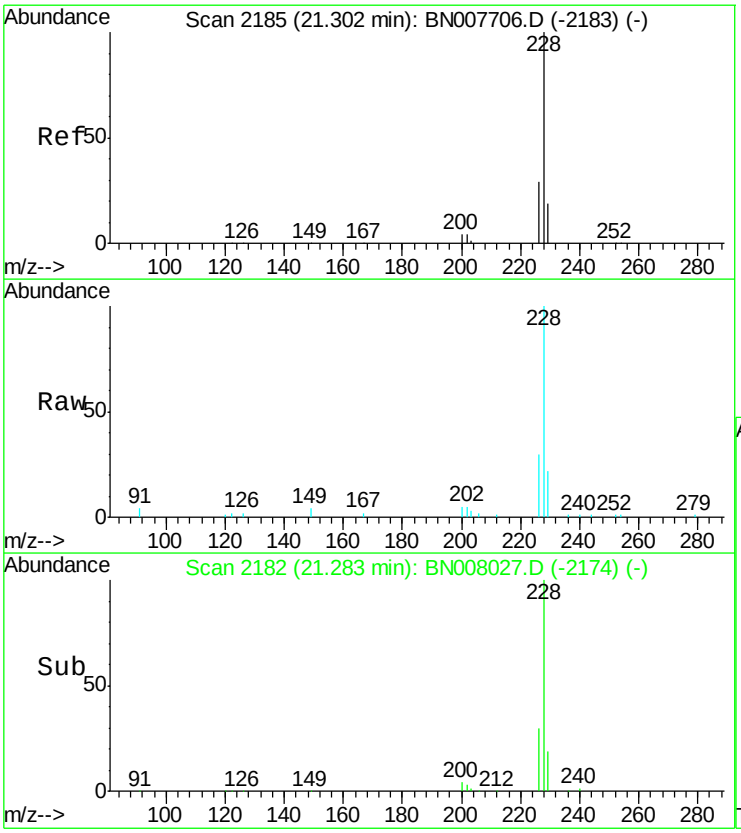
#30
Benzo(a)anthracene
Concen: 0.759 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:228 Resp: 67079

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	21.0	15.8	23.6

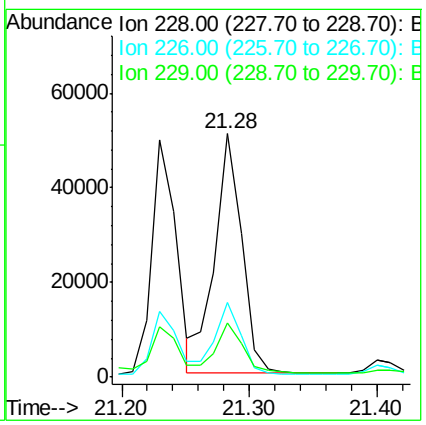


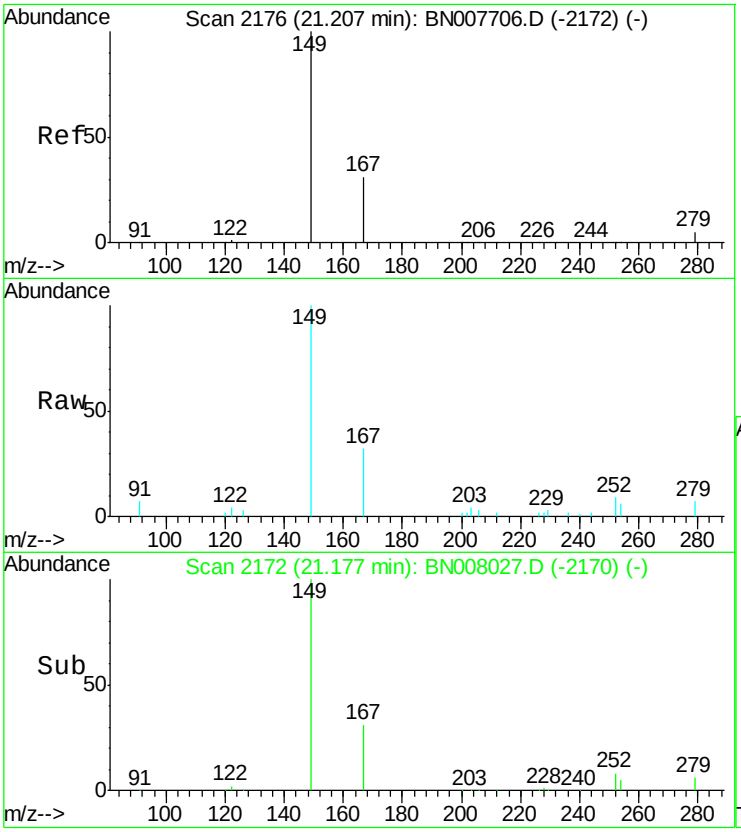


#31
Chrysene
Concen: 0.863 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:228 Resp: 74333

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.0	15.8	23.6



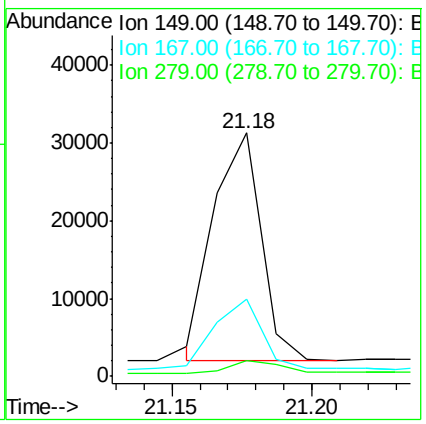


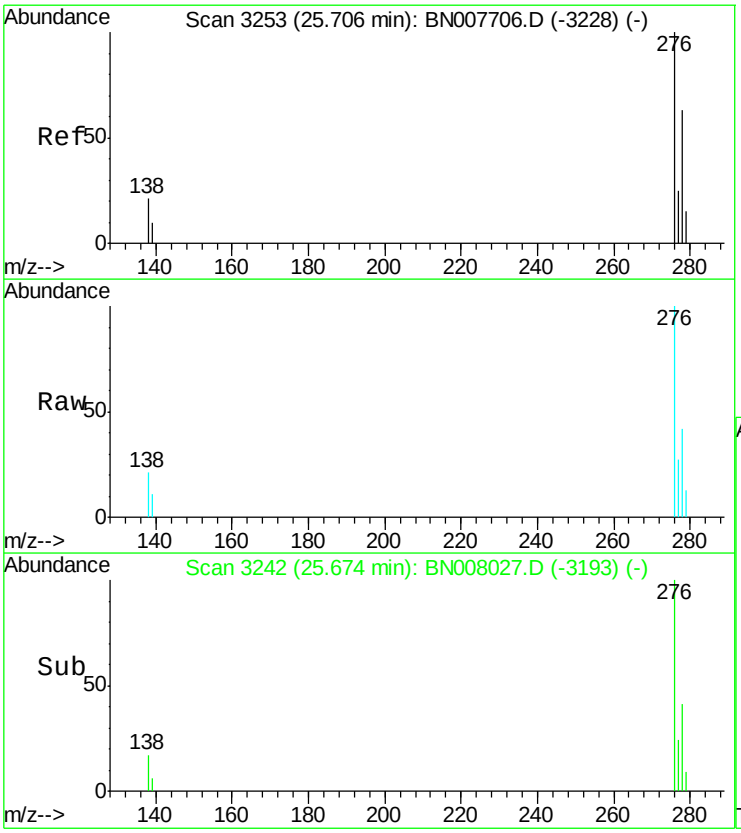
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.762 ng
RT: 21.18 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:149 Resp: 34622

Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.7	35.5
279	5.6	4.2	6.2

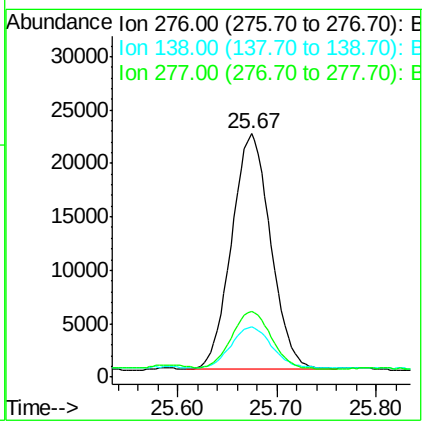


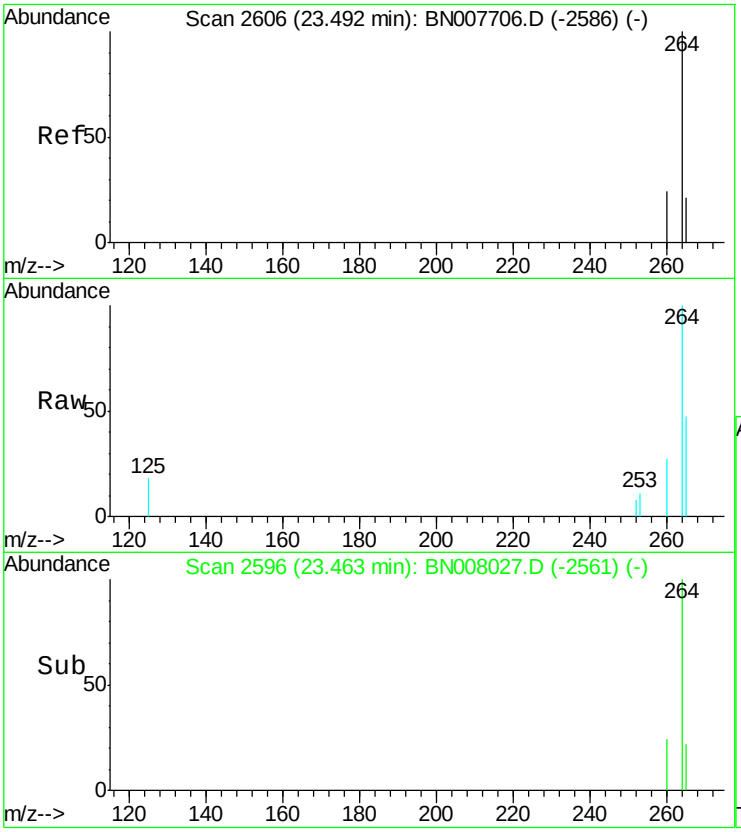


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.558 ng
RT: 25.67 min Scan# 3242
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:276 Resp: 60166

Ion	Ratio	Lower	Upper
276	100		
138	18.0	17.1	25.7
277	24.9	20.0	30.0



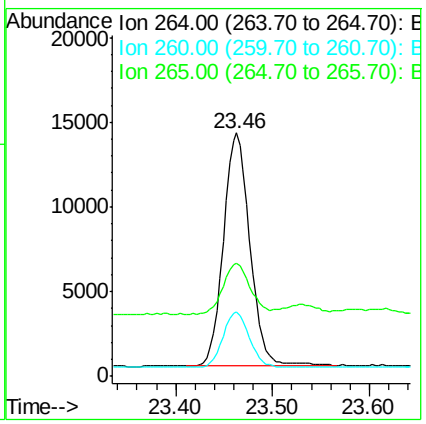


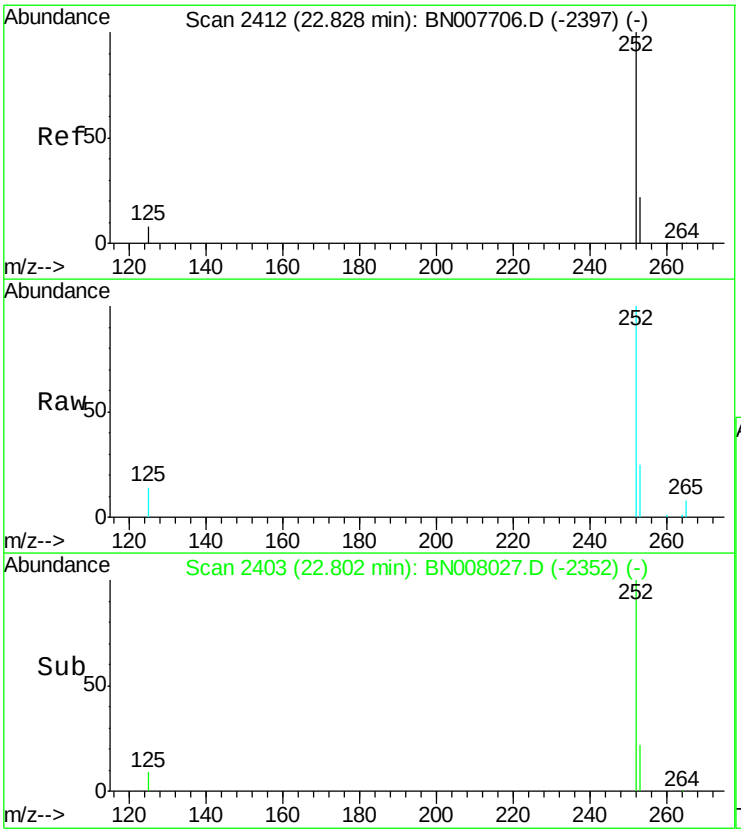
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2596
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:264 Resp: 26342

Ion	Ratio	Lower	Upper
264	100		
260	26.6	19.3	28.9
265	46.7	26.9	40.3#

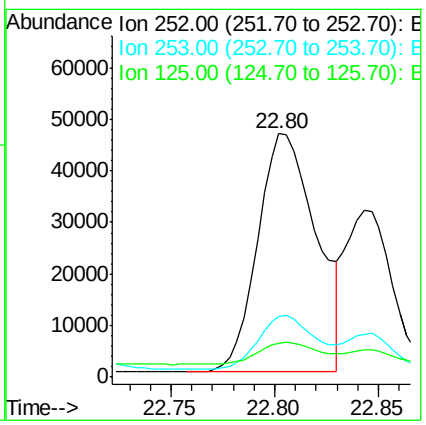


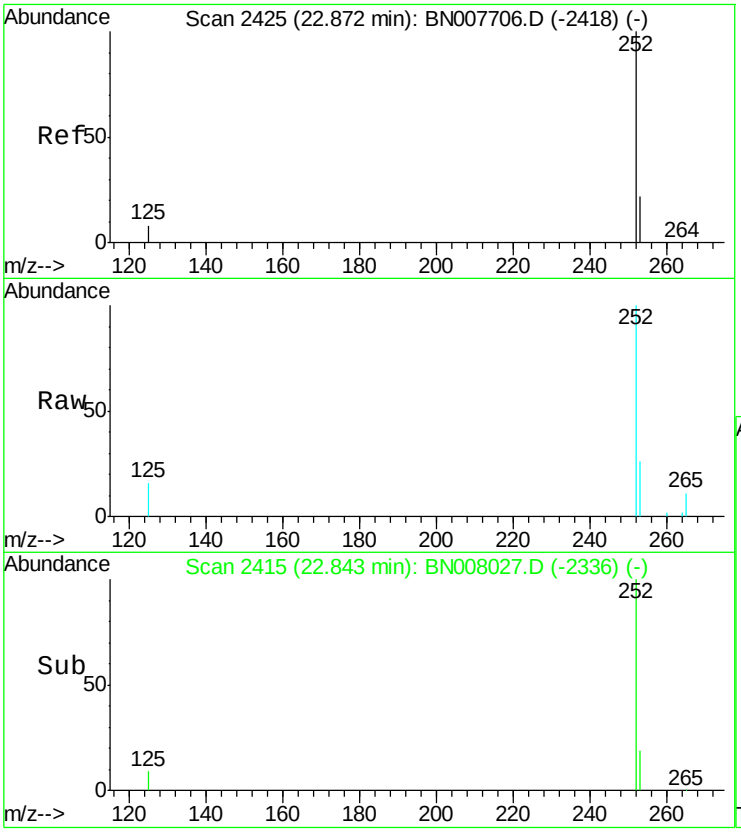


#35
Benzo(b)fluoranthene
Concen: 0.989 ng
RT: 22.80 min Scan# 2403
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:252 Resp: 90480

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.3	27.5
125	14.1	8.2	12.4#



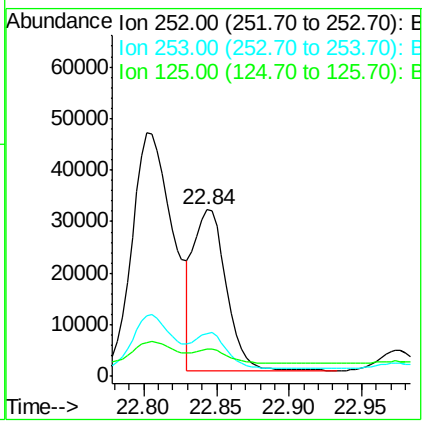


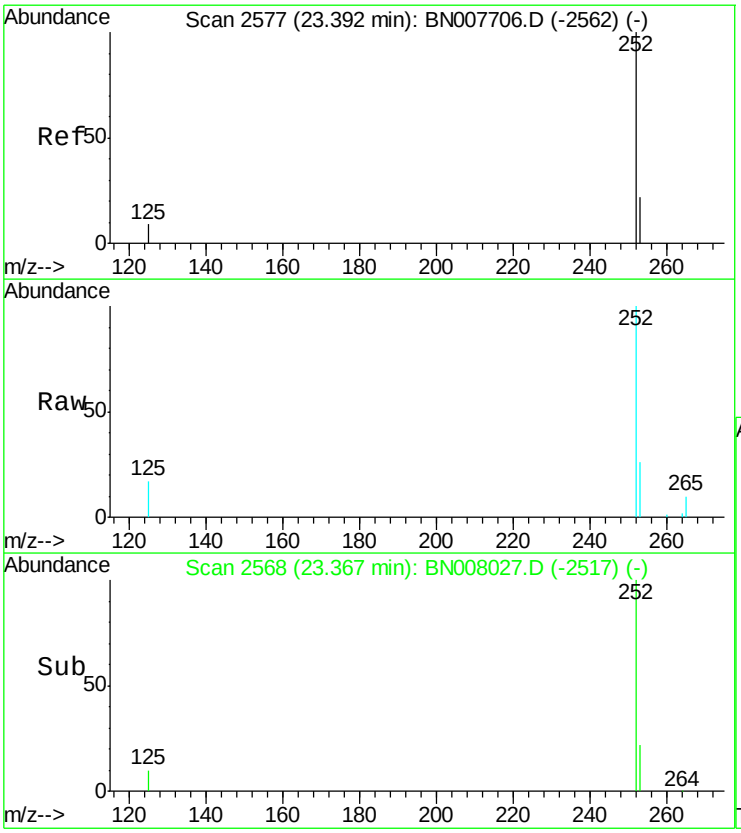
#36
Benzo(k)fluoranthene
Concen: 0.549 ng
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:252 Resp: 49691

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.5	27.7
125	16.3	8.4	12.6#

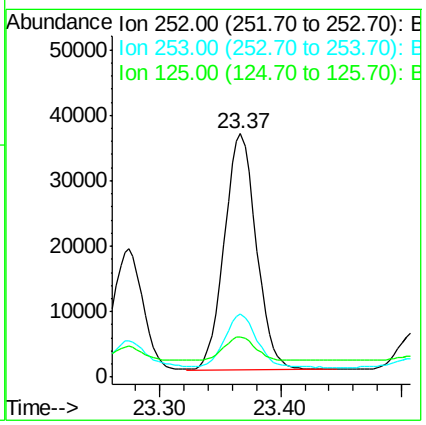


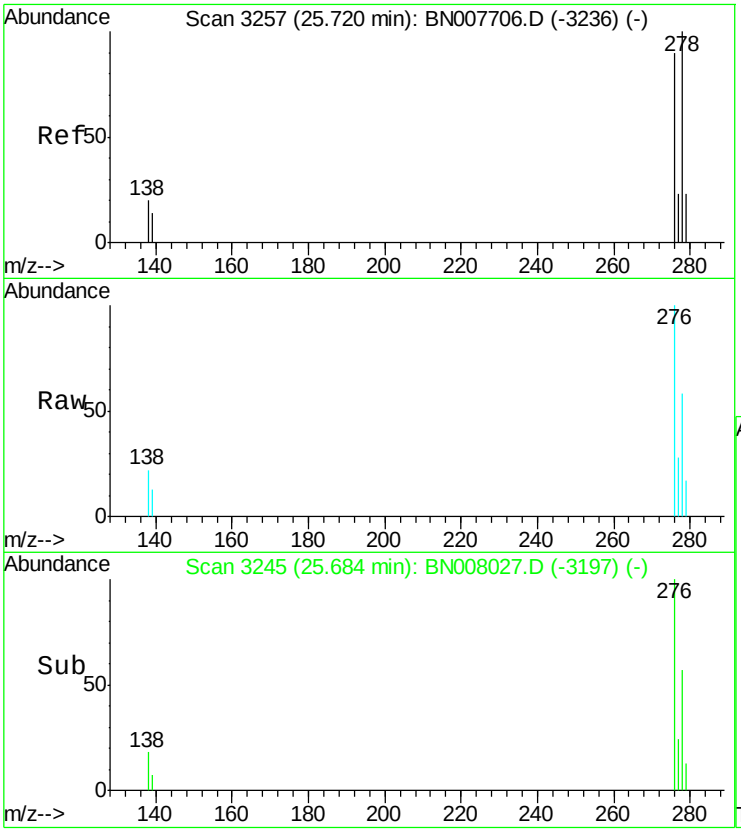


#37
Benzo(a)pyrene
Concen: 0.770 ng
RT: 23.37 min Scan# 2568
Delta R.T. -0.03 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:252 Resp: 66214

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.6	27.8
125	16.5	9.4	14.0#



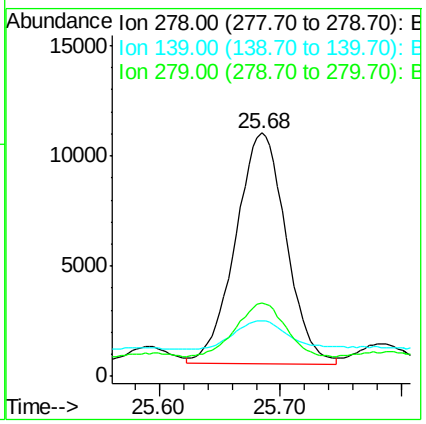


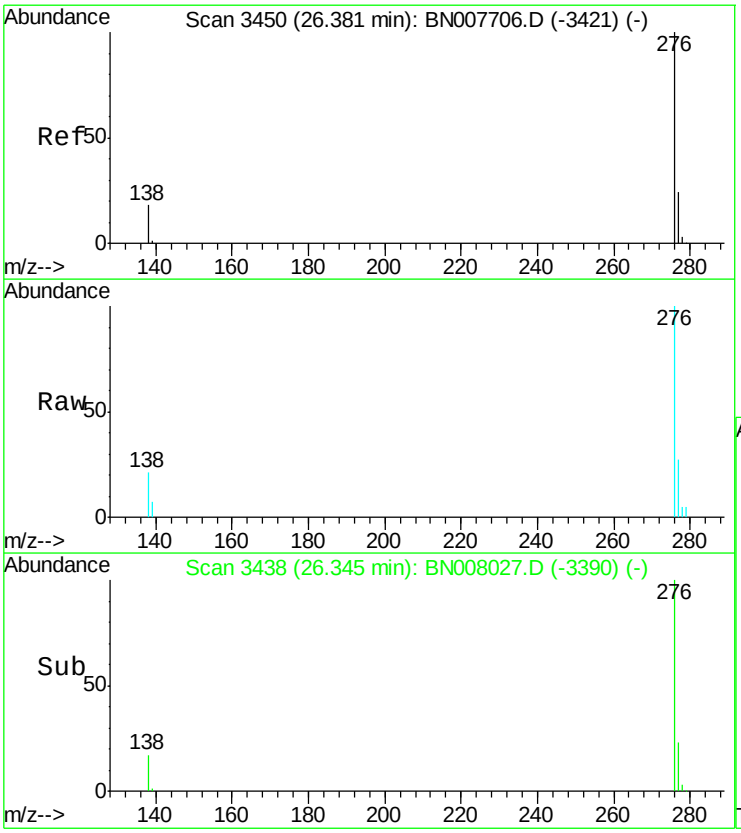
#38
Dibenzo(a,h)anthracene
Concen: 0.346 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519MS

Tgt Ion:278 Resp: 30430

Ion	Ratio	Lower	Upper
278	100		
139	23.0	11.8	17.6#
279	29.9	19.4	29.2#





#39
Benzo(g,h,i)perylene
Concen: 0.642 ng
RT: 26.34 min Scan# 3438
Delta R.T. -0.04 min
Lab File: BN008027.D
Acq: 05 Oct 2019 15:52

Tgt Ion:276 Resp: 55851

Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.8	29.8
138	20.7	15.1	22.7