Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007335.D
Acq On : 23 Aug 2019 20:14
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Quant Time: Aug 24 00:16:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:12:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3736	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	15381	0.40	ng		0.00
13) Acenaphthene-d10	14.05	164	8374	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	19358	0.40	ng		0.00
27) Chrysene-d12	21.02	240	19308	0.40	ng		0.00
34) Perylene-d12	23.13	264	21022	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	5274	0.45	ng		0.00
5) Phenol-d6	6.59	99	6352	0.42	ng		0.00
8) Nitrobenzene-d5	8.53	82	5121	0.43	ng		0.00
11) 2-Methylnaphthalene-d10	11.76	152	10368	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.56	330	1720	0.37	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	13817	0.39	ng		0.00
25) Fluoranthene-d10	18.85	212	25777	0.42	ng		0.00
29) Terphenyl-d14	19.47	244	20900	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.01	88	2578	0.469	ng	#	92
3) n-Nitrosodimethylamine	3.33	42	1196	0.343	ng		100
6) bis(2-Chloroethyl)ether	6.84	93	5353	0.472	ng		100
9) Naphthalene	10.20	128	18040	0.414	ng		100
10) Hexachlorobutadiene	10.51	225	3749	0.395	ng	#	100
12) 2-Methylnaphthalene	11.84	142	12337	0.409	ng		100
16) Acenaphthylene	13.76	152	20067	0.443	ng		100
17) Acenaphthene	14.11	154	11858	0.418	ng		100
18) Fluorene	15.11	166	14993	0.406	ng		100
20) 4-Bromophenyl-phenylether	16.01	248	2646	0.247	ng		100
21) Hexachlorobenzene	16.12	284	5249	0.410	ng		100
22) Pentachlorophenol	16.47	266	1510	0.301	ng		100
23) Phenanthrene	16.84	178	23368	0.388	ng		100
24) Anthracene	16.93	178	23619	0.427	ng		100
26) Fluoranthene	18.88	202	30748	0.416	ng		100
28) Pyrene	19.24	202	31803	0.436	ng		100
30) Benzo(a)anthracene	21.01	228	30847	0.425	ng		100
31) Chrysene	21.06	228	30545	0.416	ng		100
32) Bis(2-ethylhexyl)phthalate	20.97	149	21498	0.656	ng		100
33) Indeno(1,2,3-cd)pyrene	25.19	276	36550	0.414	ng		100
35) Benzo(b)fluoranthene	22.51	252	31221	0.399	ng		100
36) Benzo(k)fluoranthene	22.55	252	31349	0.410	ng		100
37) Benzo(a)pyrene	23.04	252	29884	0.420	ng		100
38) Dibenzo(a,h)anthracene	25.21	278	29945	0.405	ng		100
39) Benzo(g,h,i)perylene	25.82	276	29782	0.399	ng		100

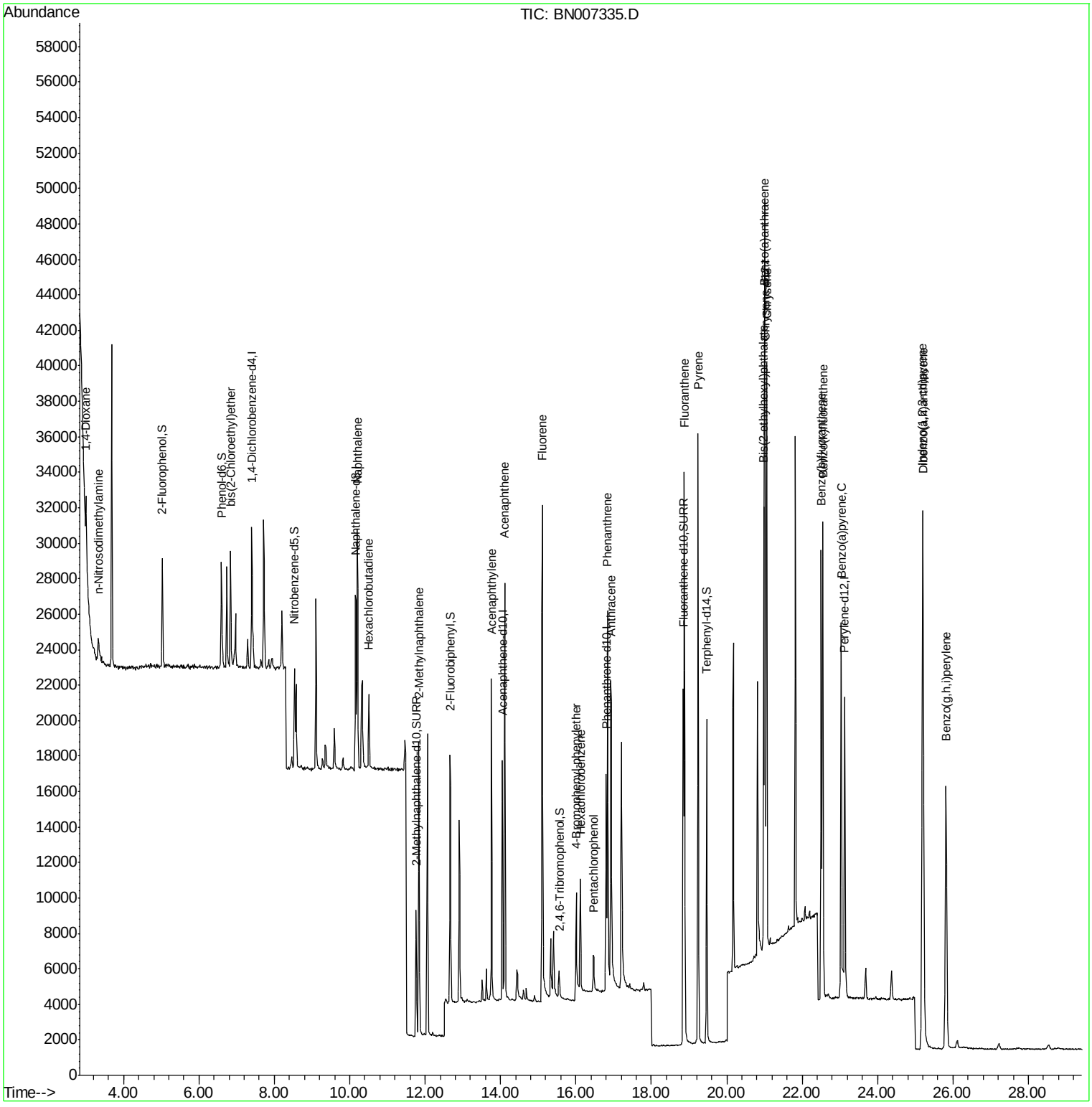
(#) = qualifier out of range (m) = manual integration (+) = signals summed

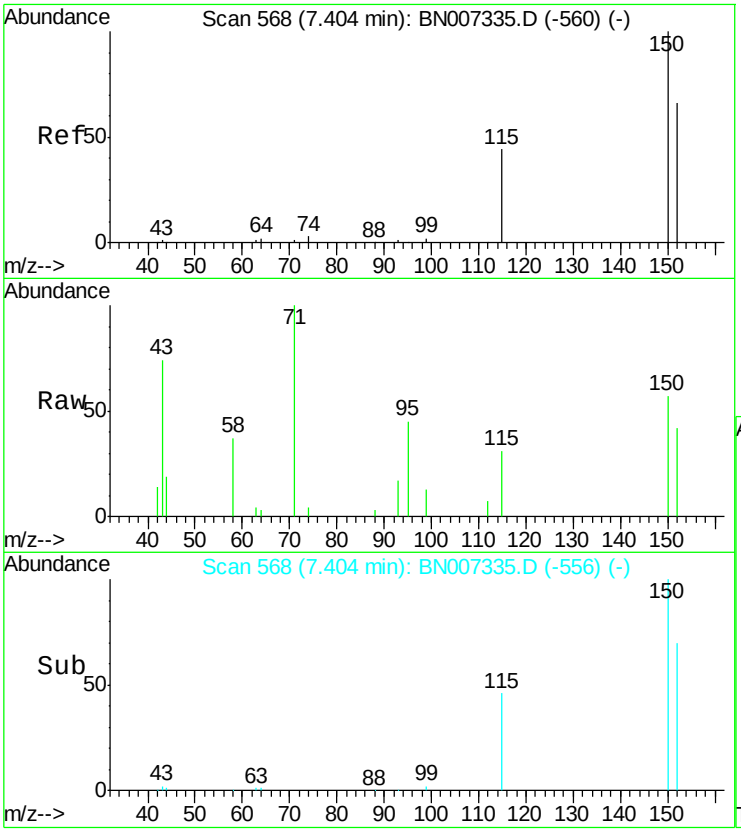
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007335.D
Acq On : 23 Aug 2019 20:14
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Aug 24 00:16:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:12:24 2019
Response via : Initial Calibration



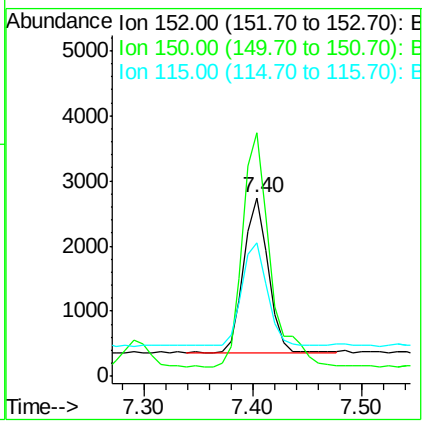


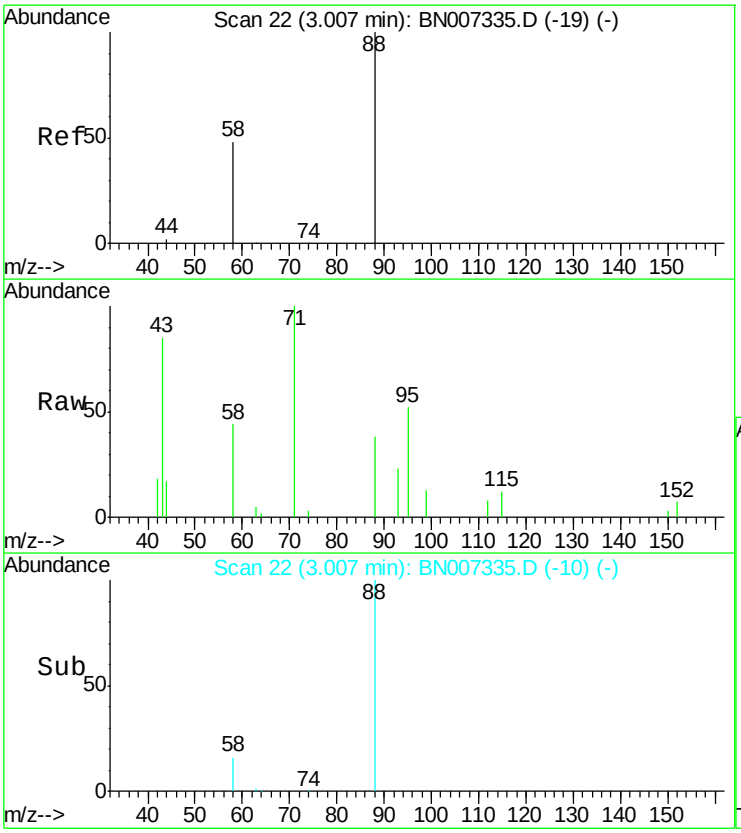
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3736

Ion	Ratio	Lower	Upper
152	100		
150	136.4	109.1	163.7
115	74.5	59.6	89.4

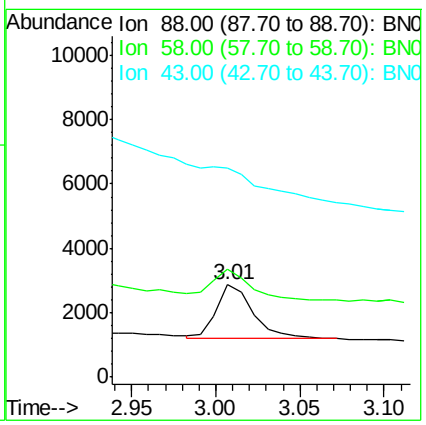


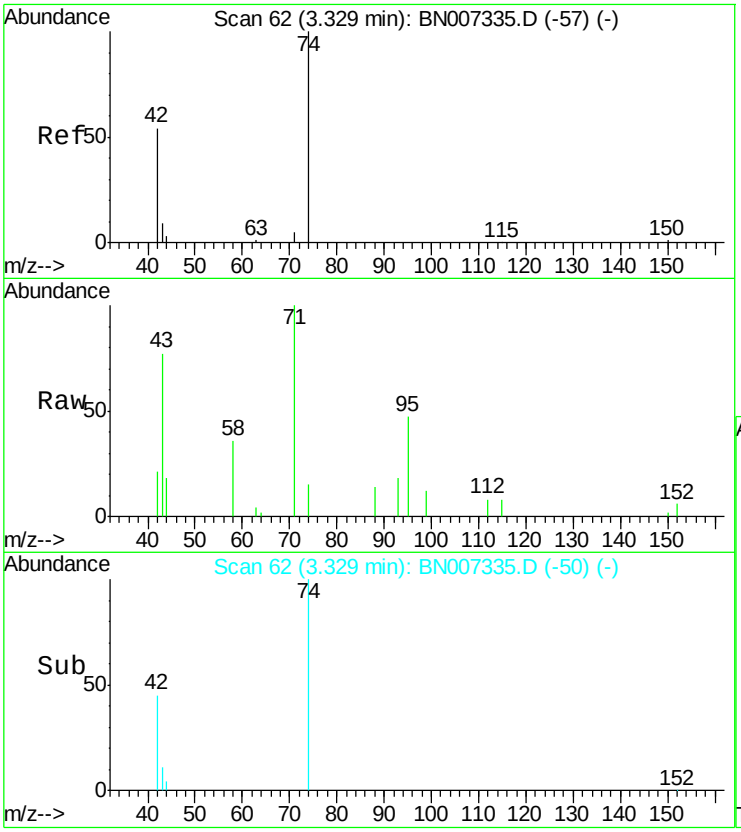


#2
1,4-Dioxane
Concen: 0.469 ng
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion: 88 Resp: 2578

Ion	Ratio	Lower	Upper
88	100		
58	56.9	50.5	75.7
43	0.0	0.0	0.0



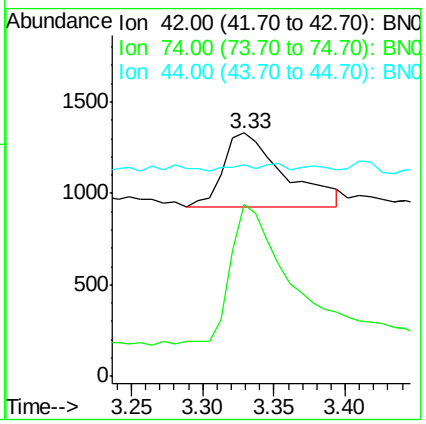


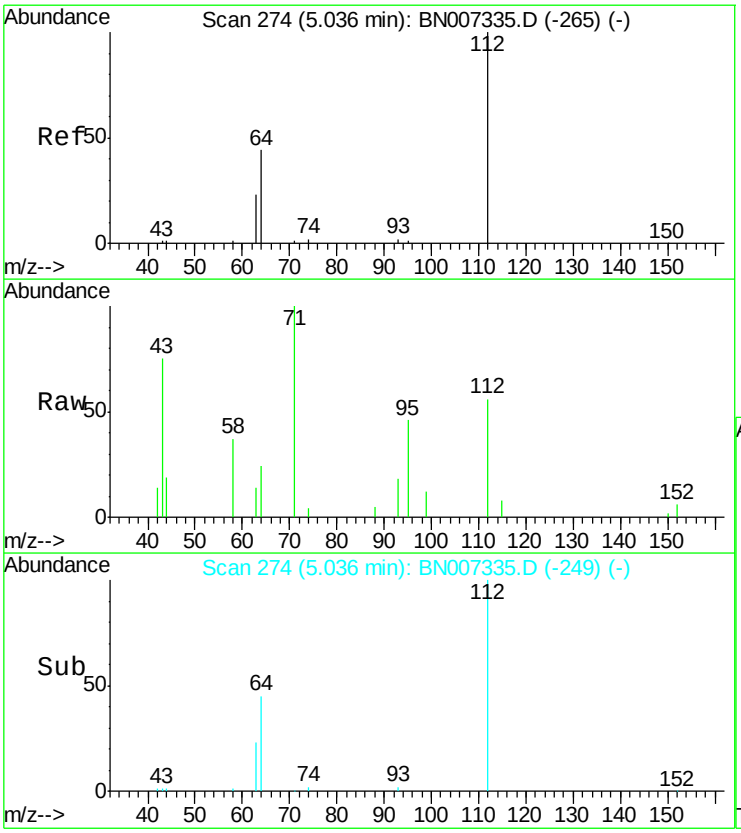
#3
n-Nitrosodimethylamine
Concen: 0.343 ng
RT: 3.33 min Scan# 62
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1196

Ion	Ratio	Lower	Upper
42	100		
74	180.9	144.7	217.1
44	4.0	3.2	4.8

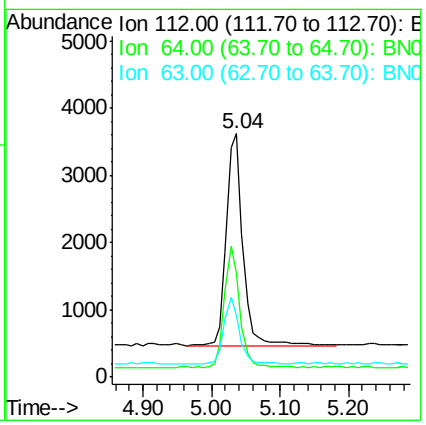


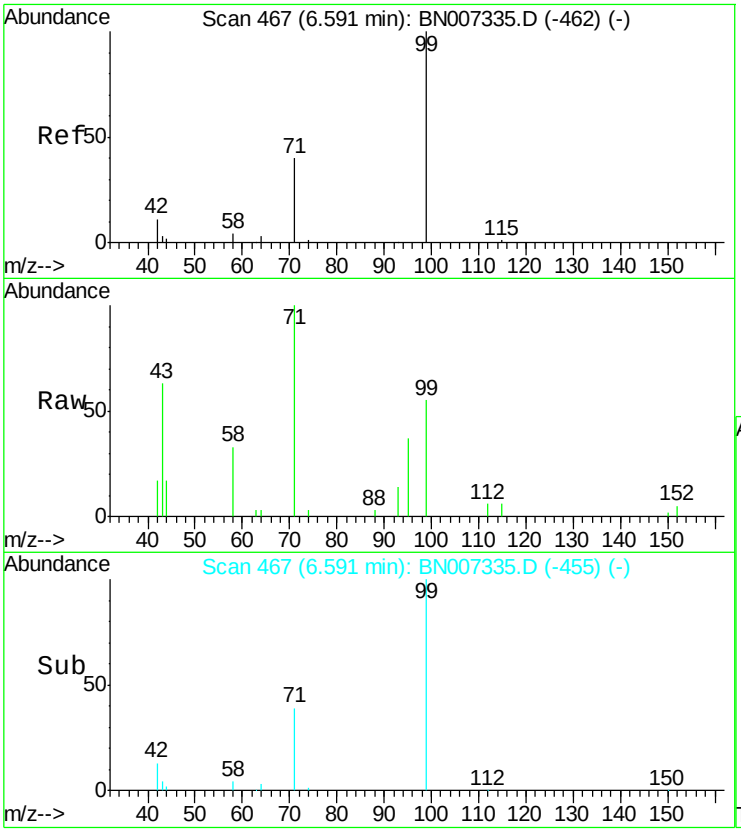


#4
2-Fluorophenol
Concen: 0.448 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:112 Resp: 5274

Ion	Ratio	Lower	Upper
112	100		
64	52.9	42.3	63.5
63	29.5	23.6	35.4



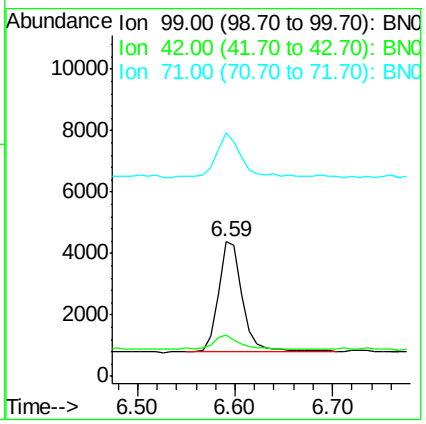


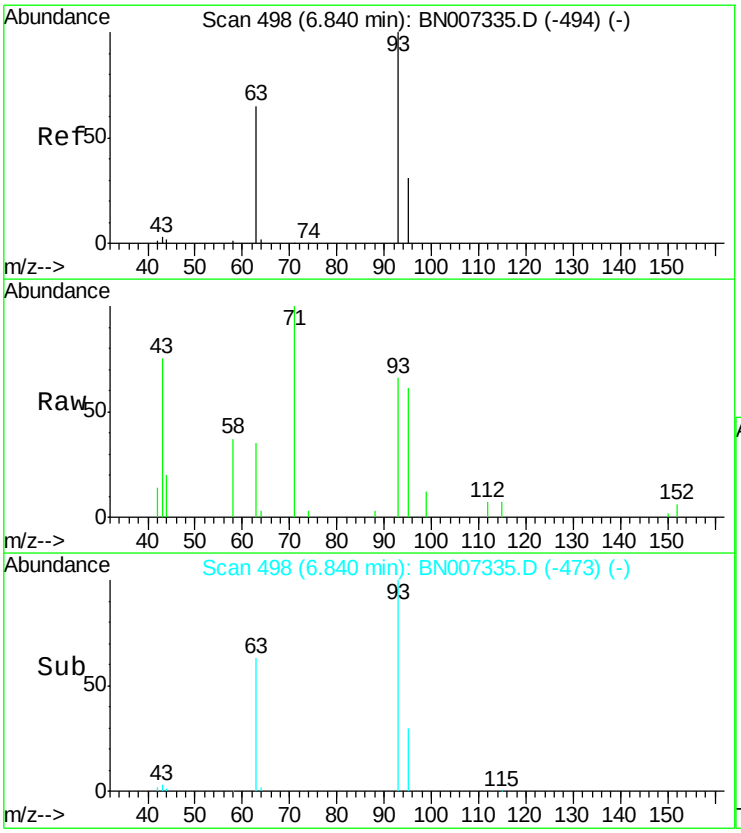
#5
Phenol-d6
Concen: 0.420 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 6352

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.2	16.8
71	39.8	31.8	47.8

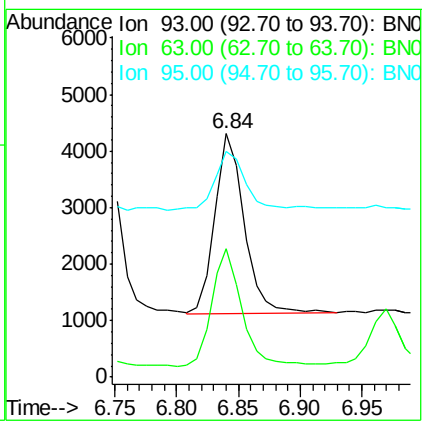


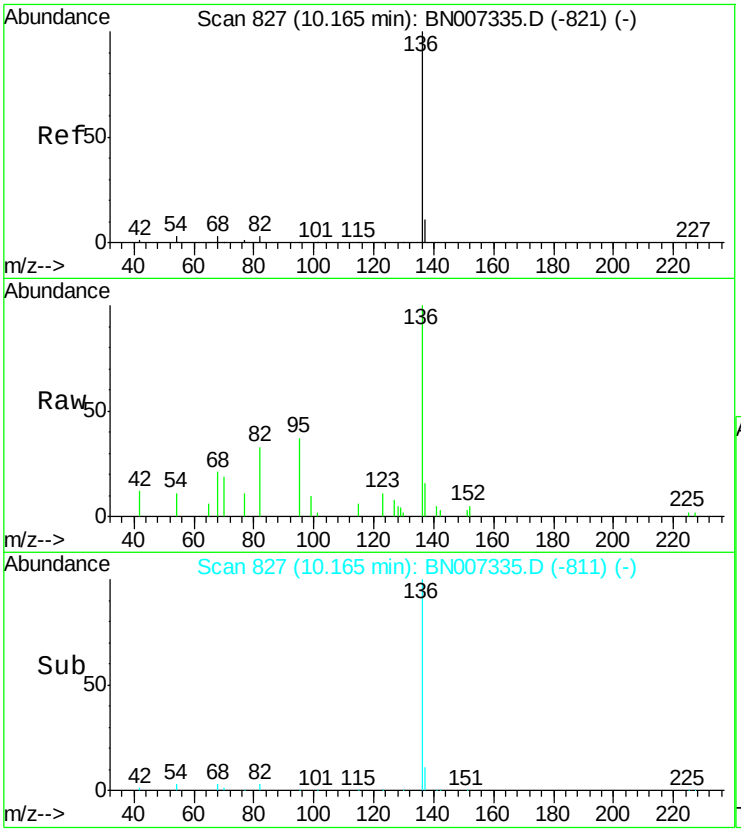


#6
bis(2-Chloroethyl)ether
Concen: 0.472 ng
RT: 6.84 min Scan# 498
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion: 93 Resp: 5353

Ion	Ratio	Lower	Upper
93	100		
63	64.9	51.9	77.9
95	34.6	27.7	41.5



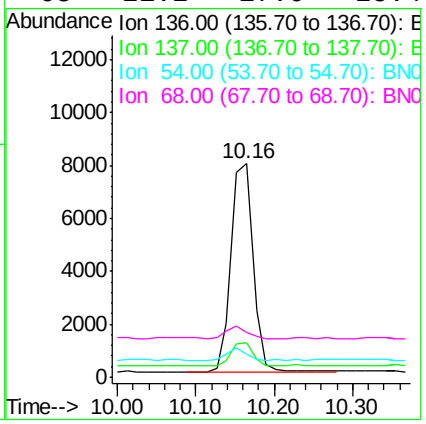


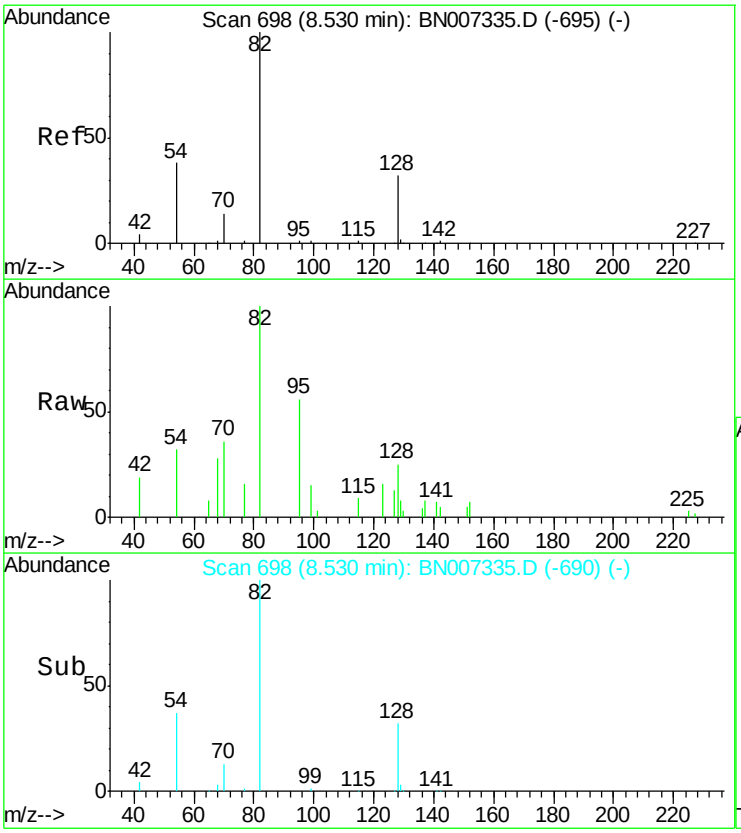
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 15381

Ion	Ratio	Lower	Upper
136	100		
137	16.1	12.9	19.3
54	10.7	8.6	12.8
68	21.2	17.0	25.4

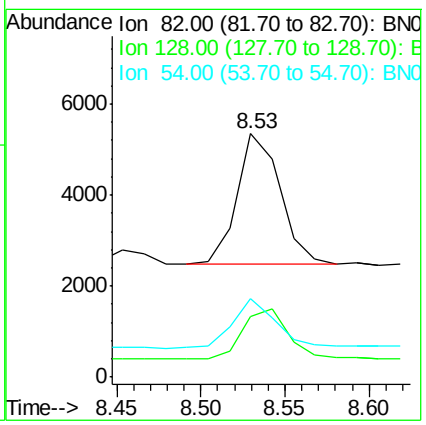


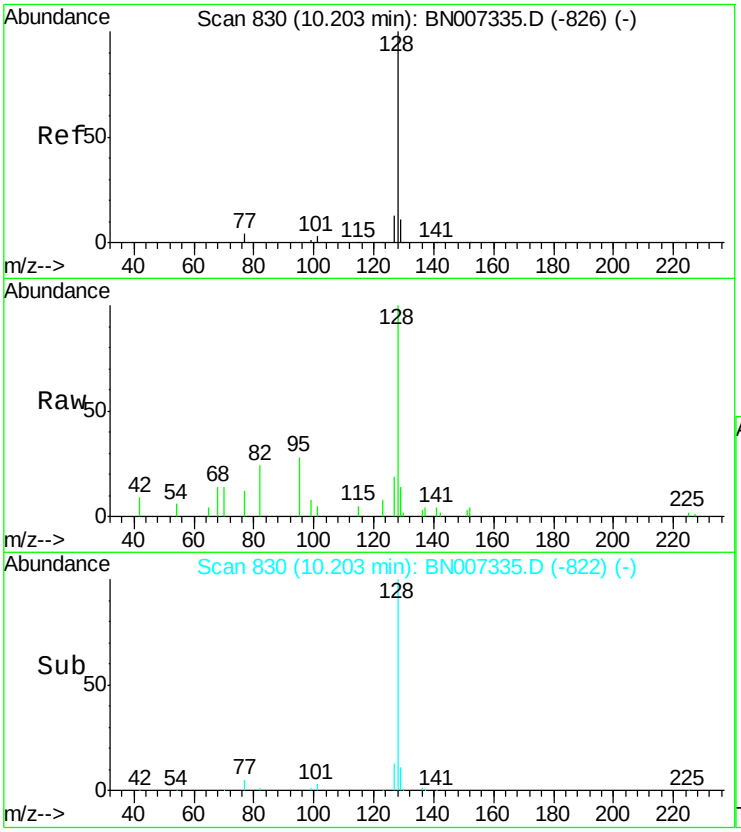


#8
Nitrobenzene-d5
Concen: 0.430 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion: 82 Resp: 5121

Ion	Ratio	Lower	Upper
82	100		
128	24.6	19.7	29.5
54	32.2	25.8	38.6



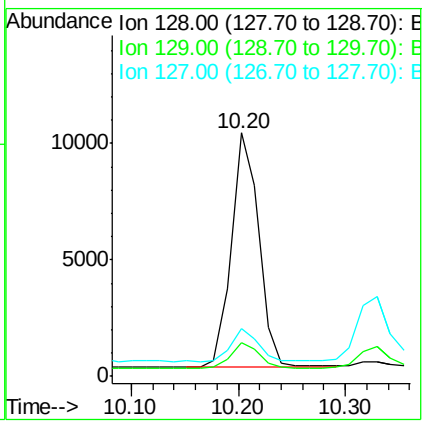


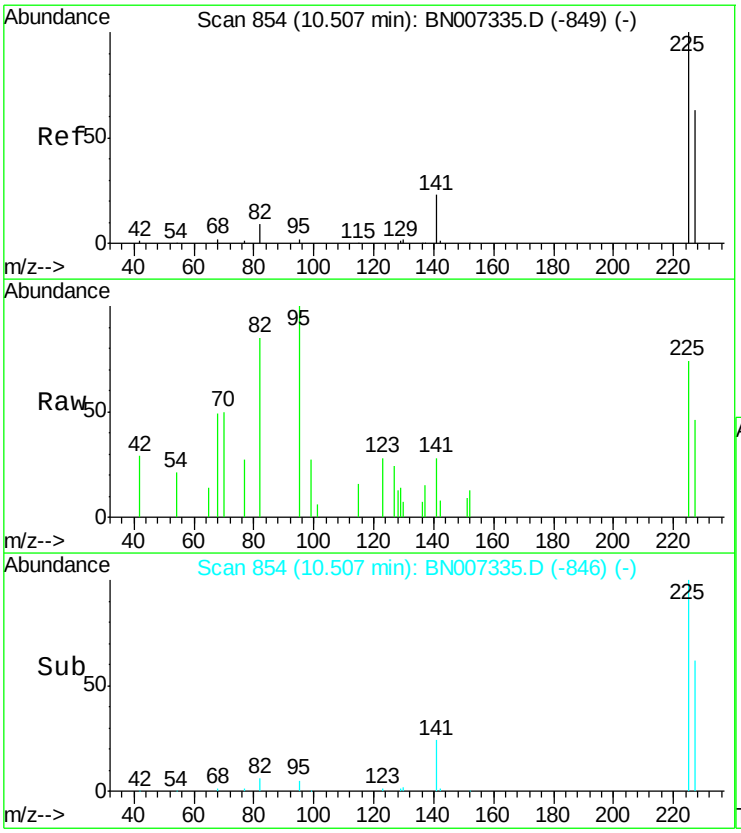
#9
Naphthalene
Concen: 0.414 ng
RT: 10.20 min Scan# 830
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 18040

Ion	Ratio	Lower	Upper
128	100		
129	13.9	11.1	16.7
127	19.4	15.5	23.3

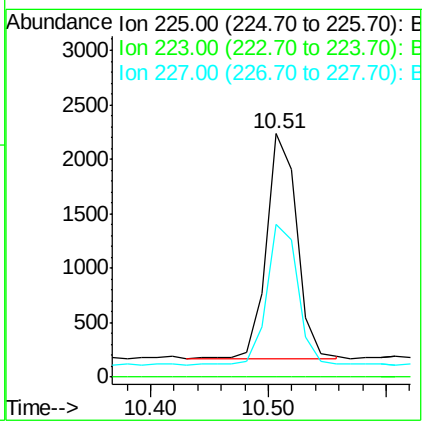


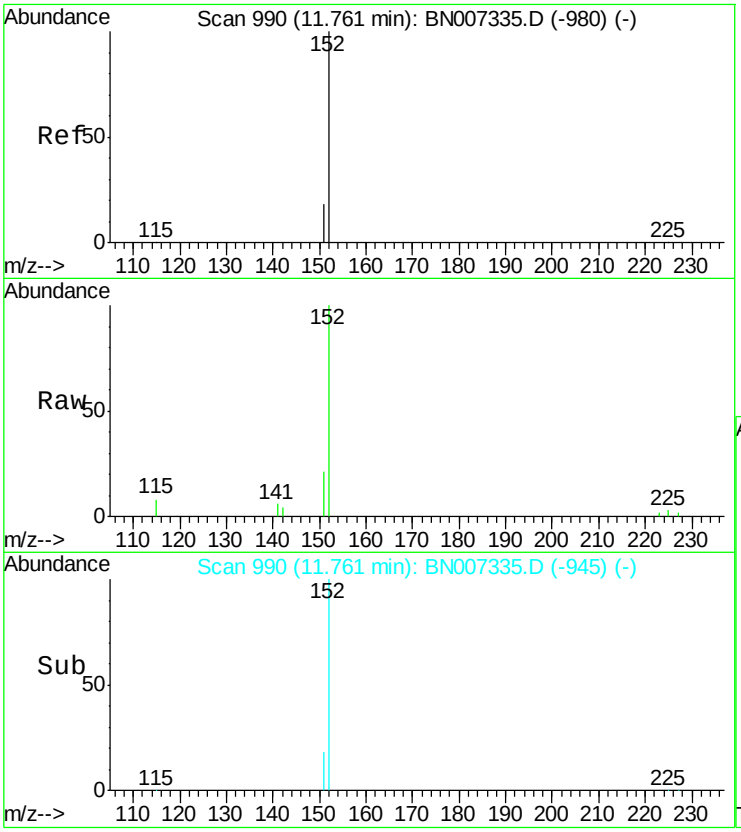


#10
Hexachlorobutadiene
Concen: 0.395 ng
RT: 10.51 min Scan# 854
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:225 Resp: 3749

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.7	76.1



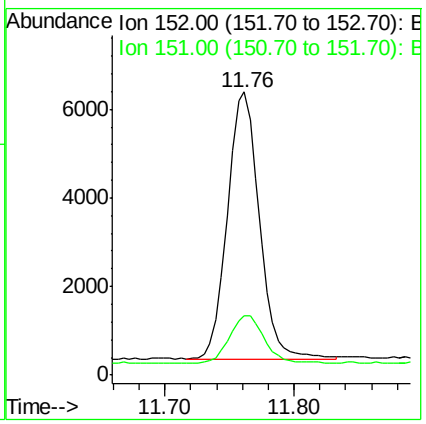


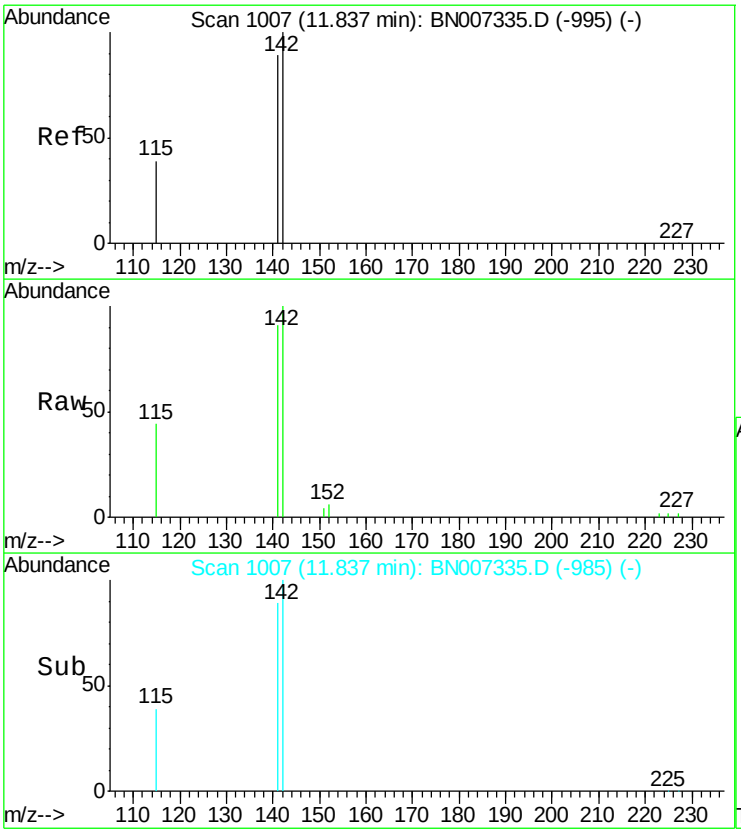
#11
2-Methylnaphthalene-d10
Concen: 0.393 ng
RT: 11.76 min Scan# 990
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 10368

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

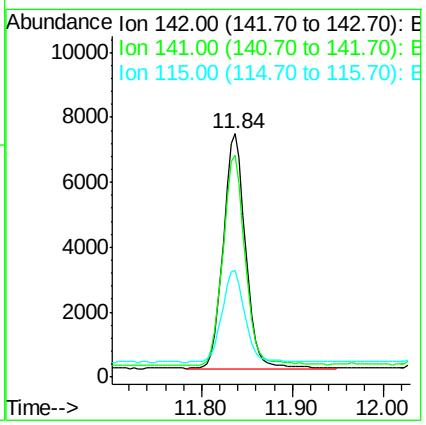


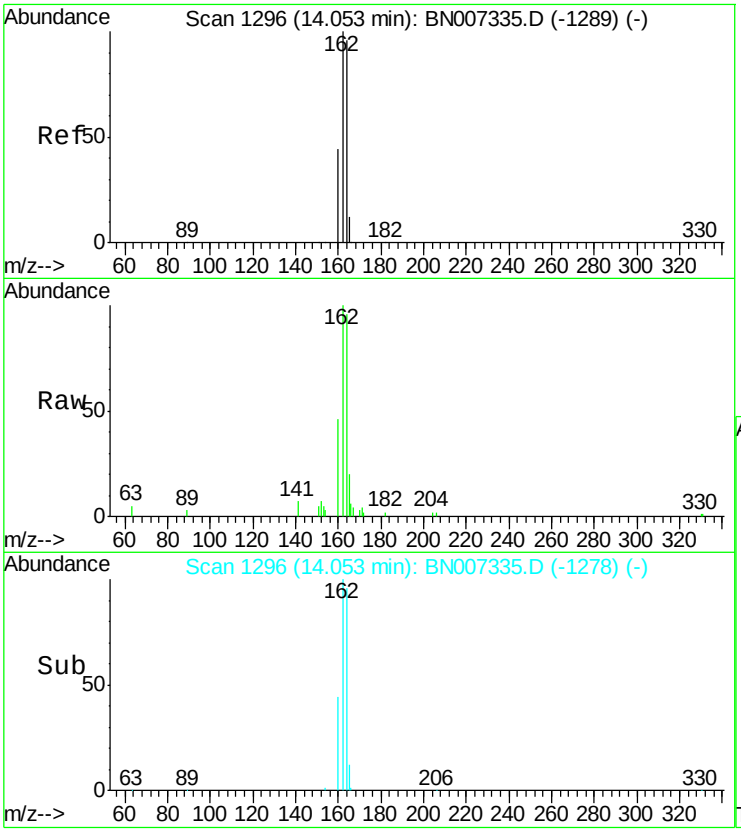


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 11.84 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:142 Resp: 12337

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2
115	44.0	35.2	52.8



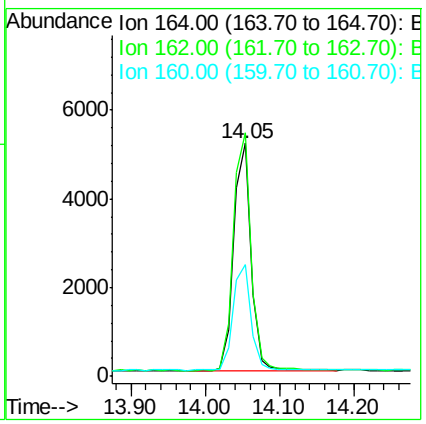


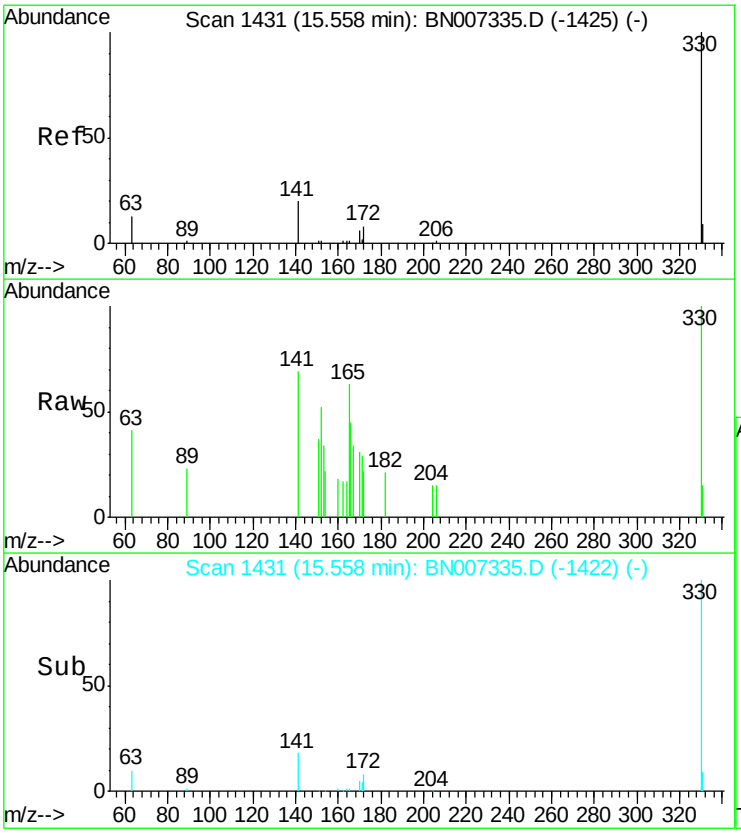
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 8374

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.5	125.3
160	47.8	38.2	57.4

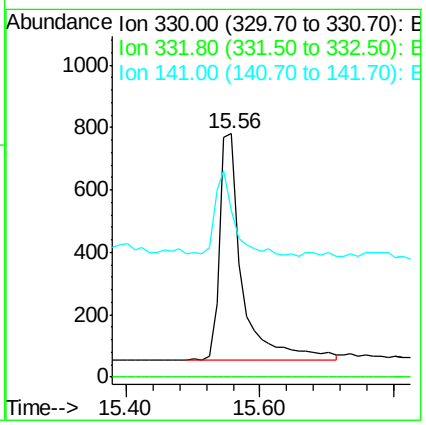


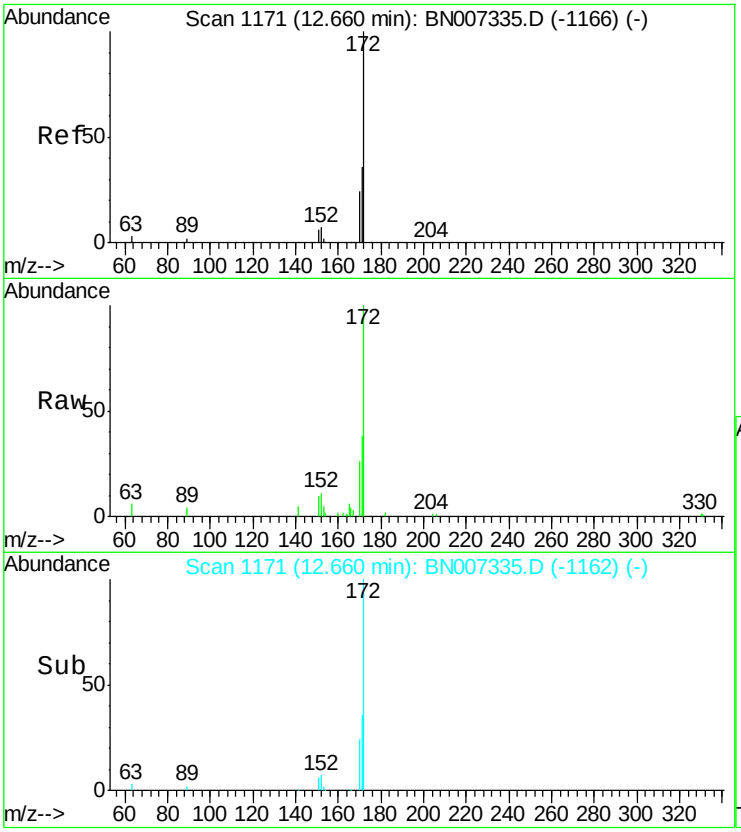


#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.56 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:330 Resp: 1720

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.6	26.9	40.3



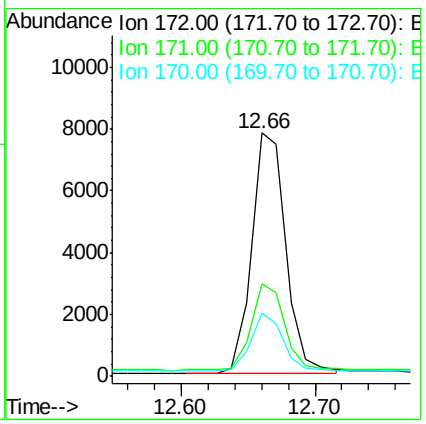


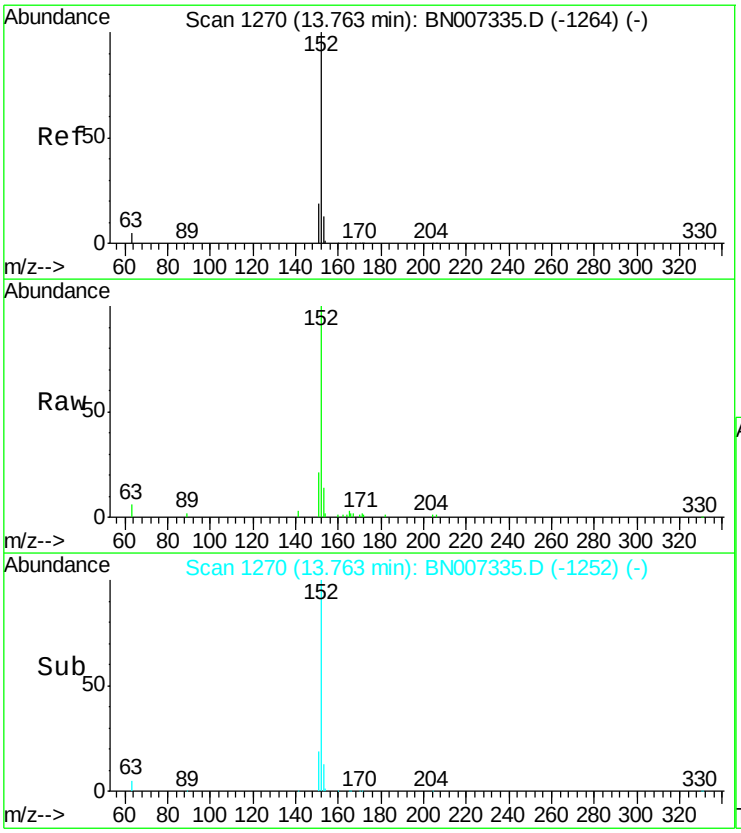
#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 13817

Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.3	45.5
170	25.9	20.7	31.1

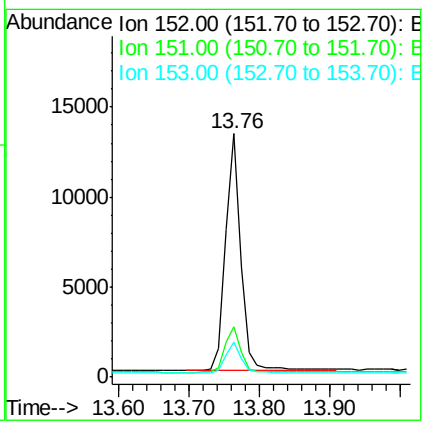


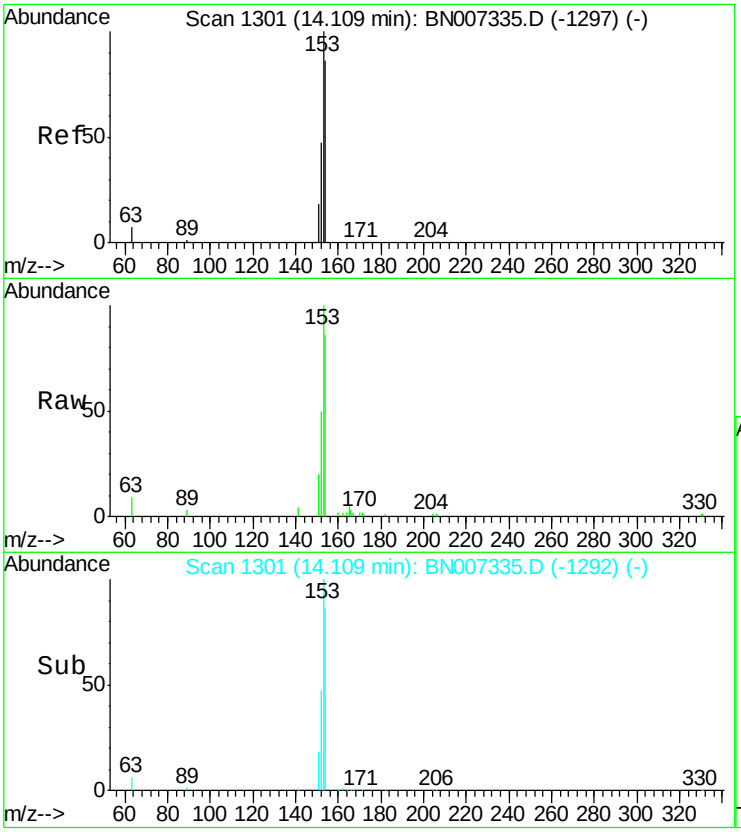


#16
Acenaphthylene
Concen: 0.443 ng
RT: 13.76 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:152 Resp: 20067

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.3	10.6	15.8



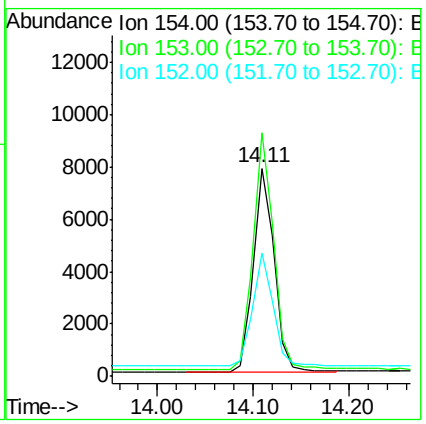


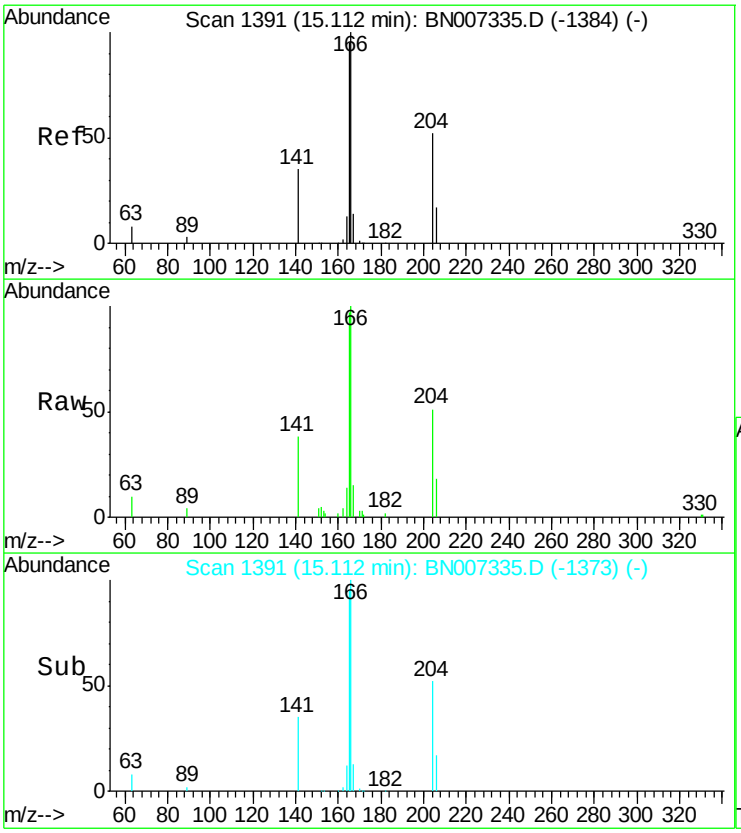
#17
Acenaphthene
Concen: 0.418 ng
RT: 14.11 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 11858

Ion	Ratio	Lower	Upper
154	100		
153	115.6	92.8	139.2
152	54.7	43.8	65.8

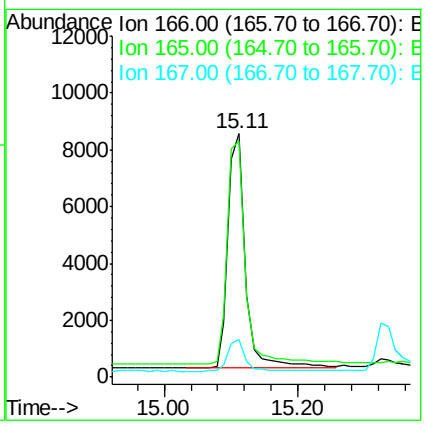


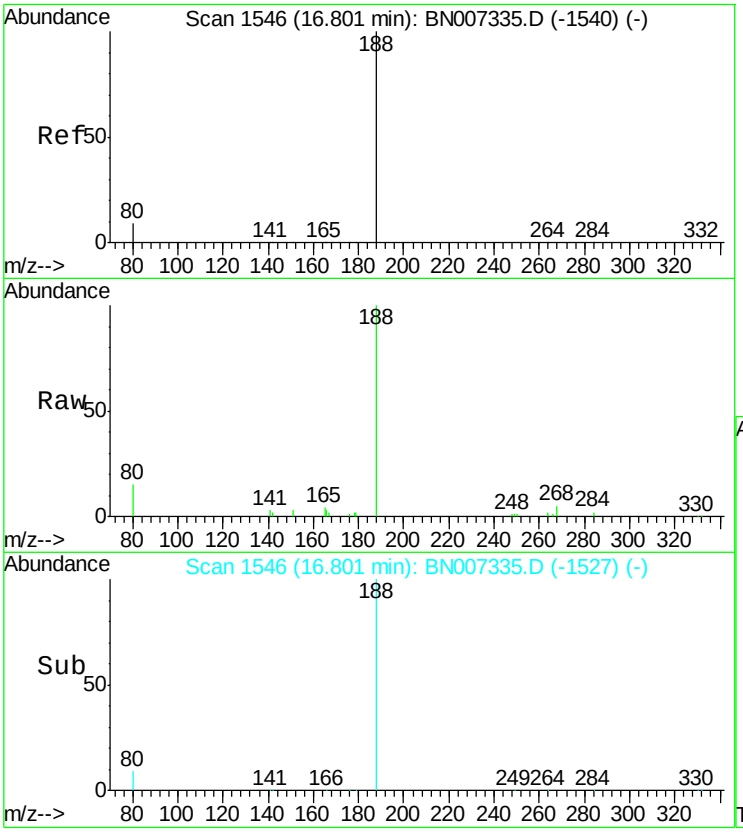


#18
Fluorene
Concen: 0.406 ng
RT: 15.11 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:166 Resp: 14993

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	13.2	10.6	15.8



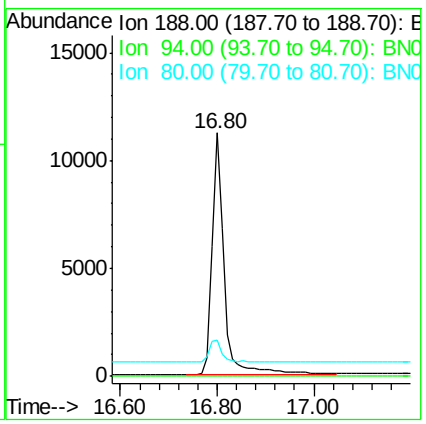


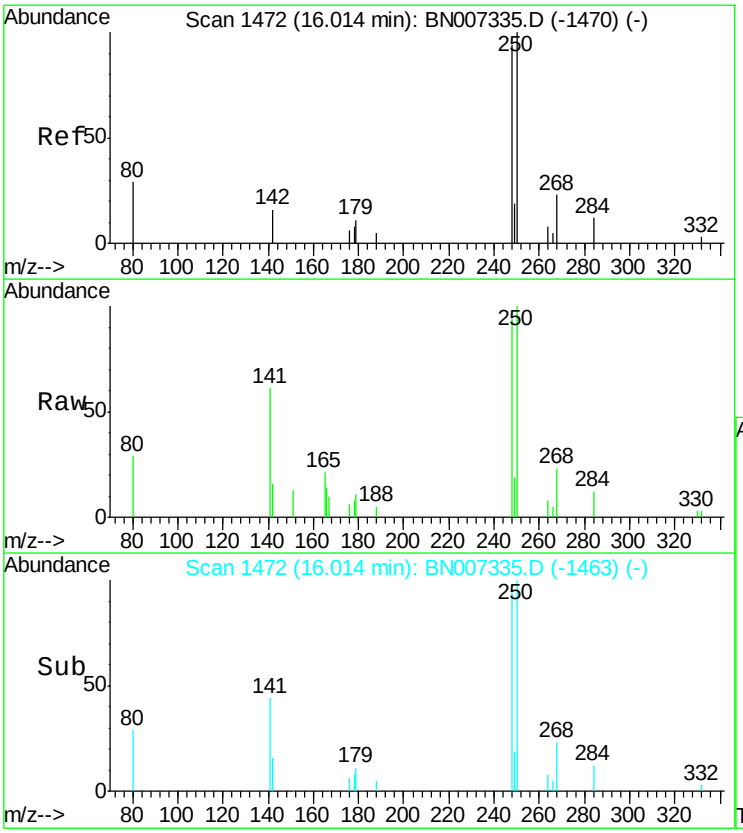
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 19358

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.8	11.8	17.8

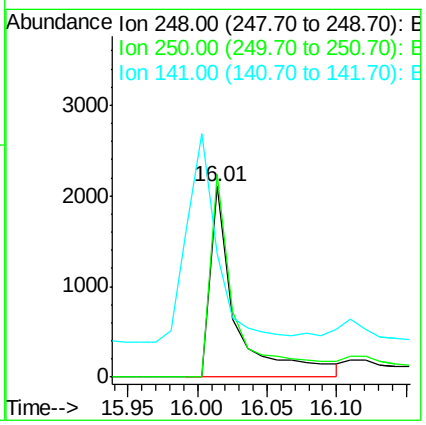


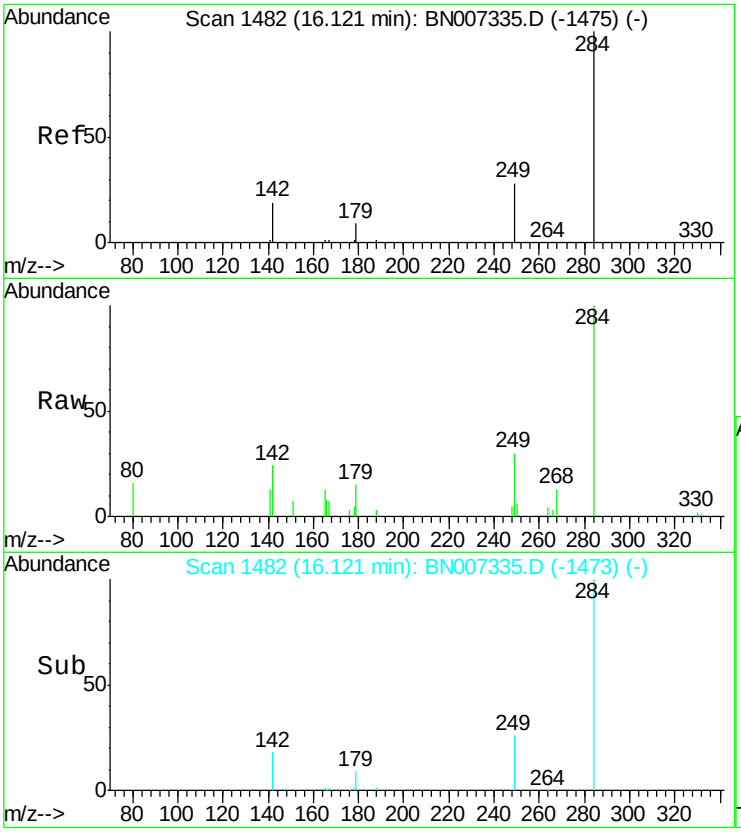


#20
4-Bromophenyl-phenylether
Concen: 0.247 ng
RT: 16.01 min Scan# 1472
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:248 Resp: 2646

Ion	Ratio	Lower	Upper
248	100		
250	106.3	85.0	127.6
141	64.6	51.7	77.5



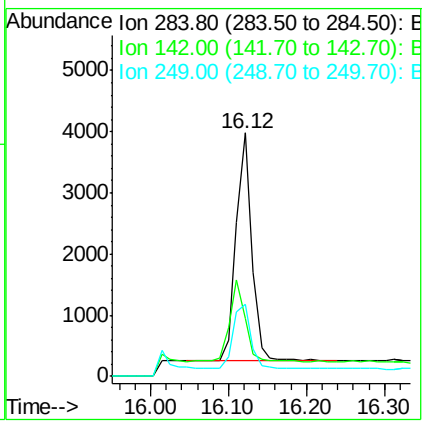


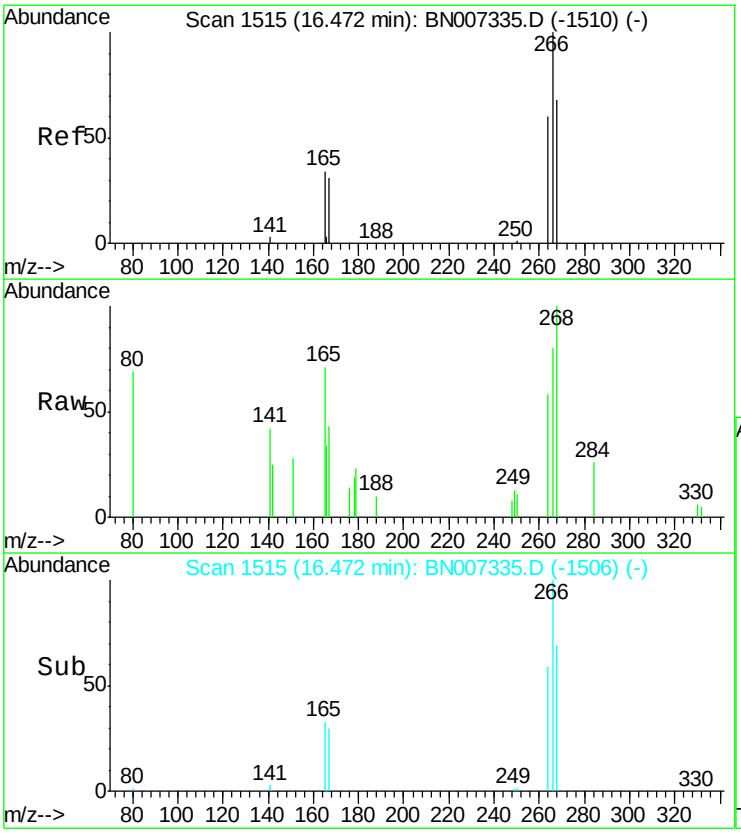
#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 5249

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.0	43.6
249	31.1	24.9	37.3

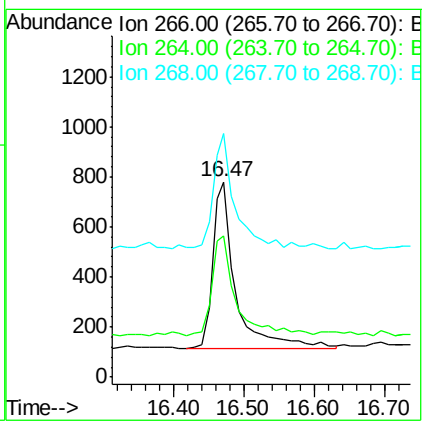


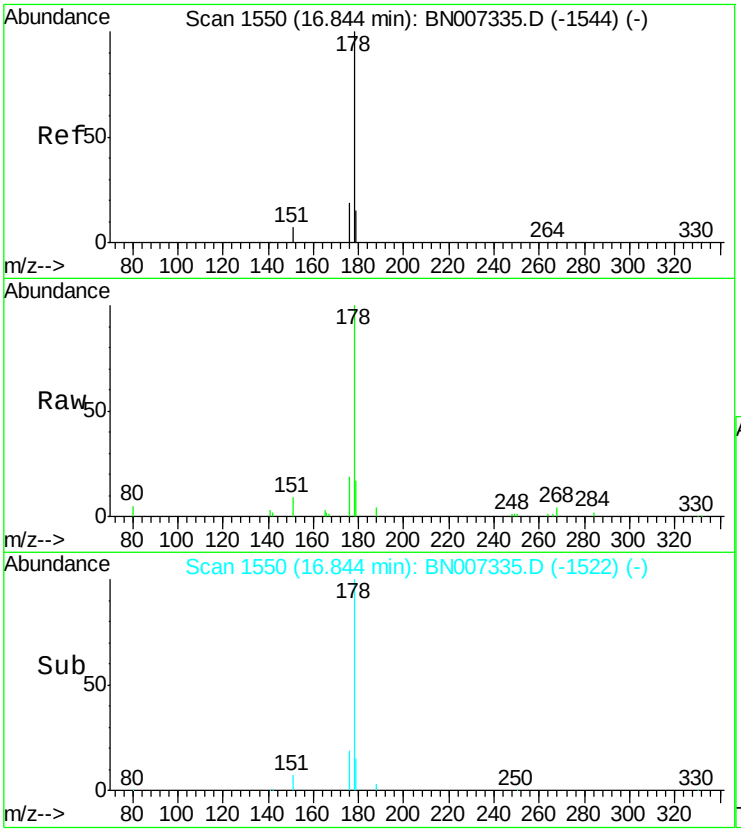


#22
Pentachlorophenol
Concen: 0.301 ng
RT: 16.47 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:266 Resp: 1510

Ion	Ratio	Lower	Upper
266	100		
264	72.3	57.8	86.8
268	124.6	99.7	149.5



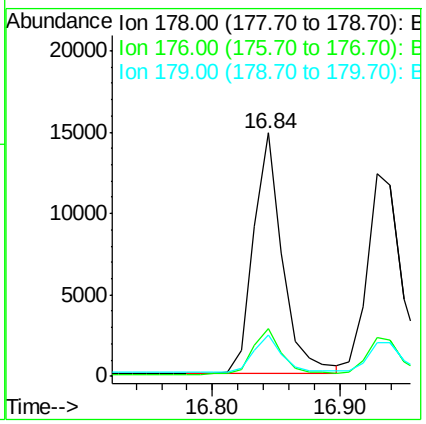


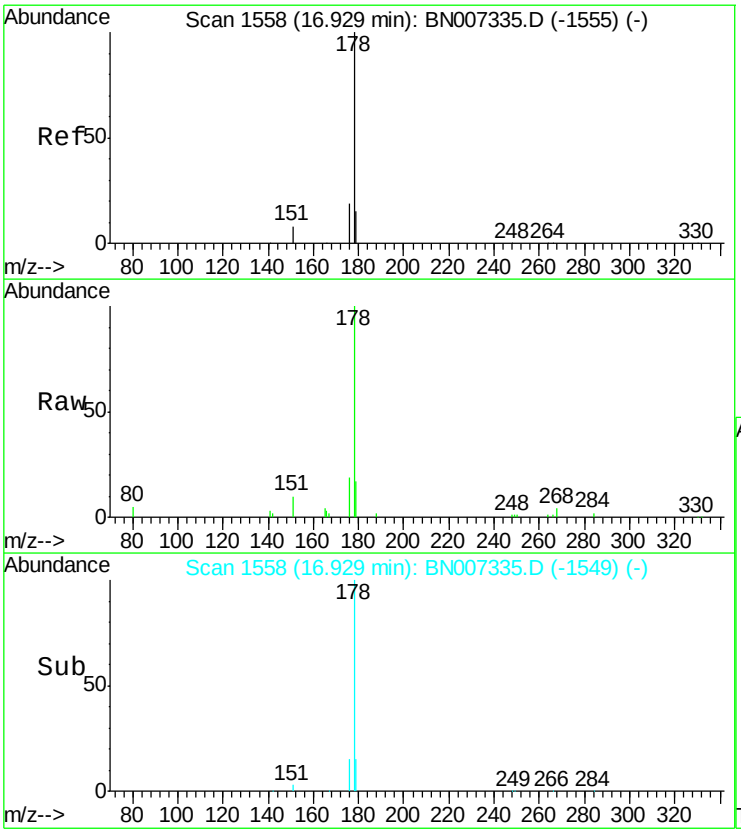
#23
Phenanthrene
Concen: 0.388 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 23368

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.8	12.6	19.0

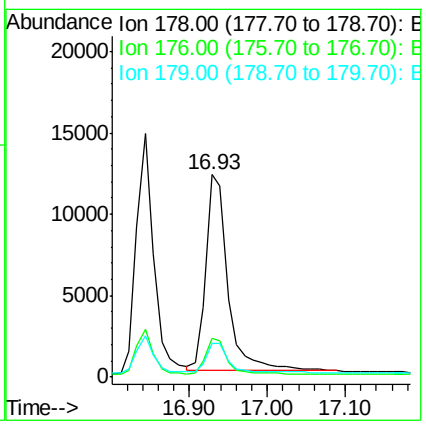


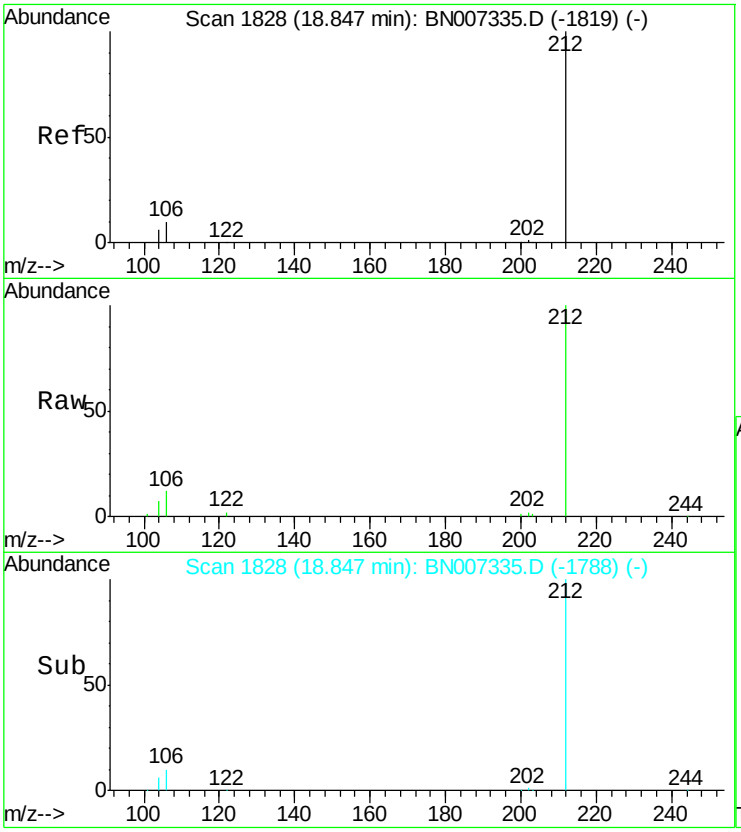


#24
Anthracene
Concen: 0.427 ng
RT: 16.93 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:178 Resp: 23619

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.4	18.6



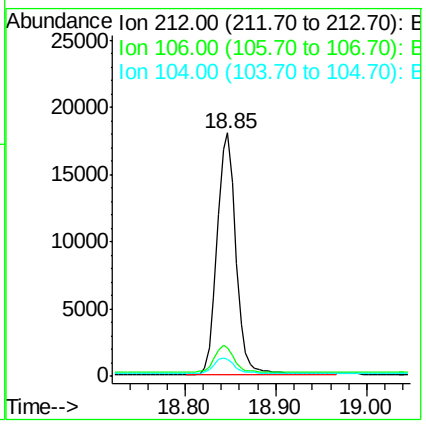


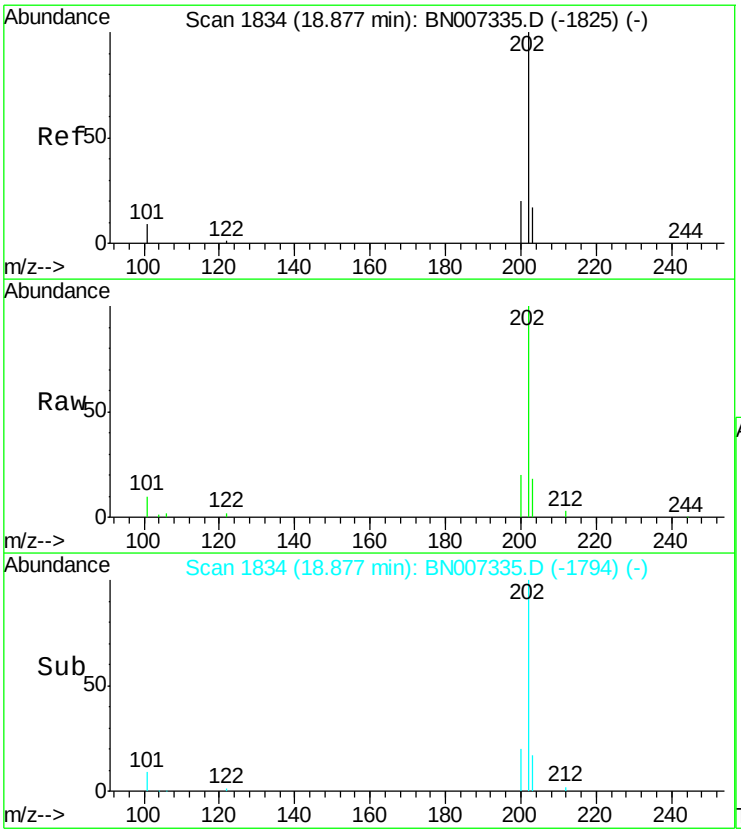
#25
Fluoranthene-d10
Concen: 0.417 ng
RT: 18.85 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 25777

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.0	13.4
104	6.8	5.4	8.2

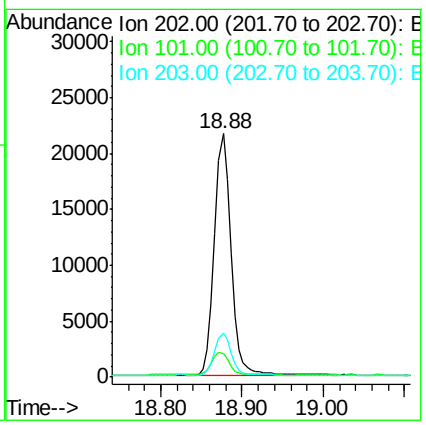


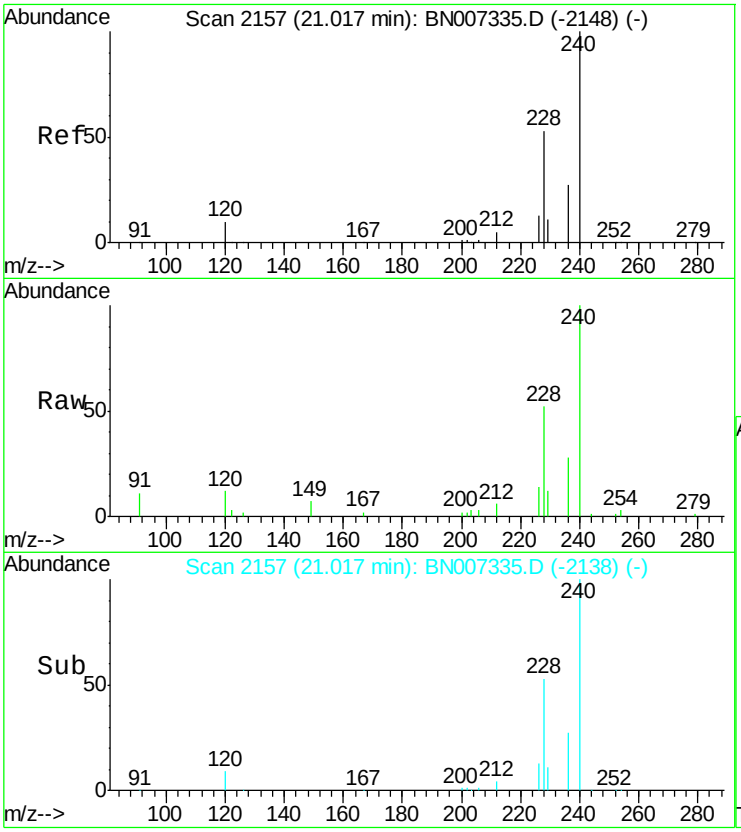


#26
Fluoranthene
Concen: 0.416 ng
RT: 18.88 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:202 Resp: 30748

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.7	11.5
203	17.1	13.7	20.5



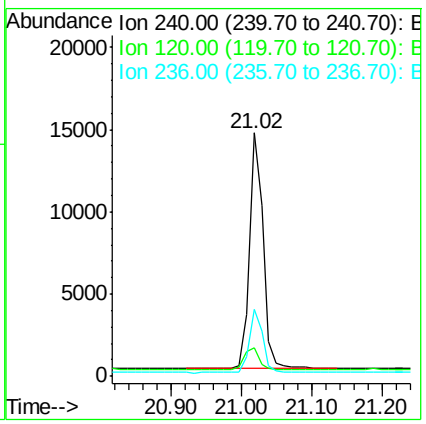


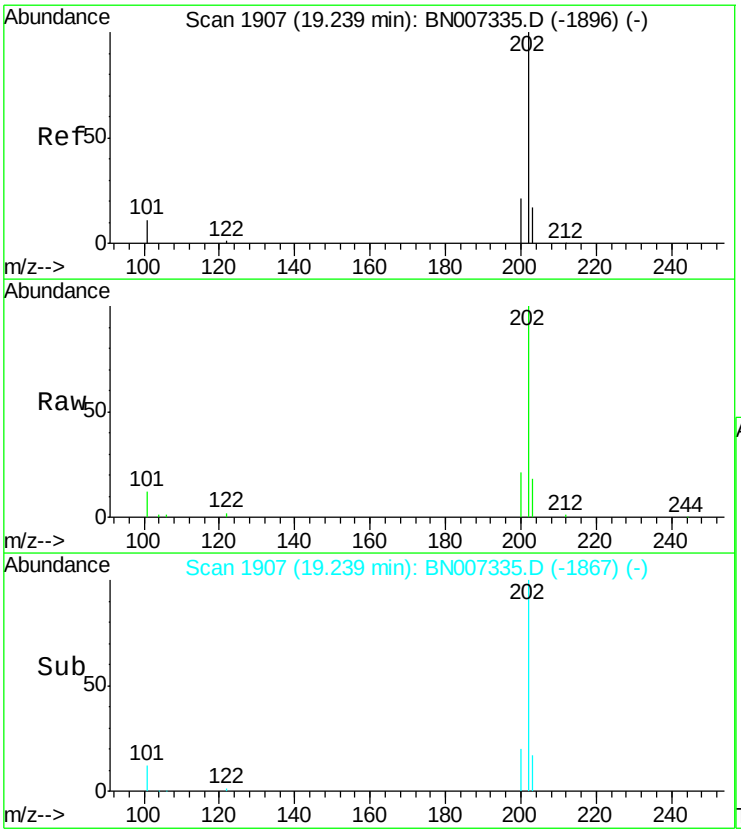
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 19308

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	27.7	22.2	33.2

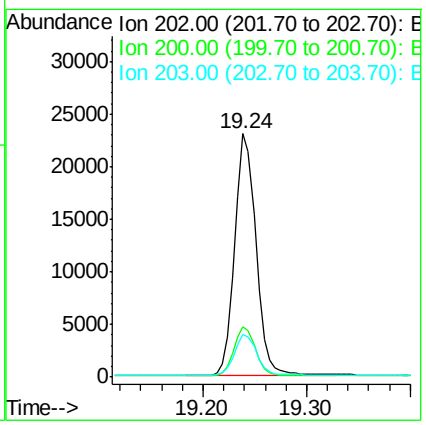


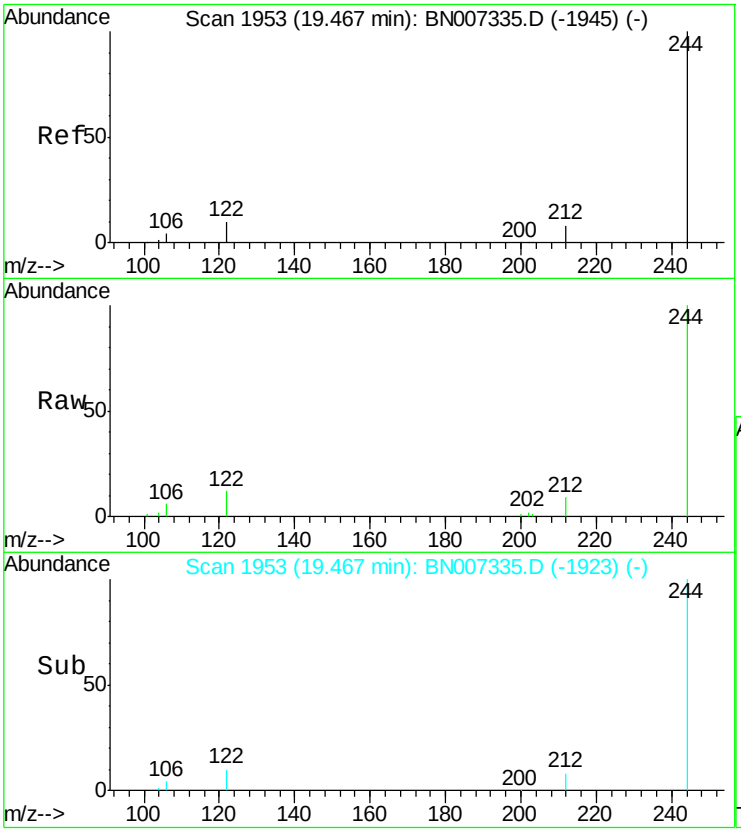


#28
Pyrene
Concen: 0.436 ng
RT: 19.24 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:202 Resp: 31803

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.8	14.2	21.4



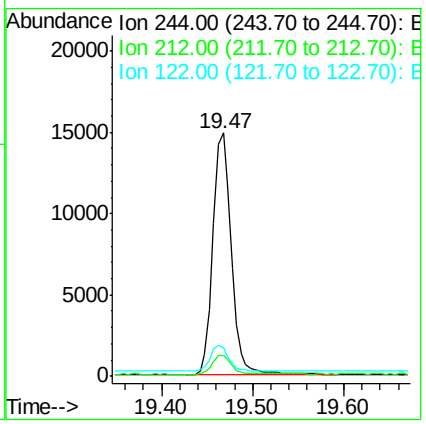


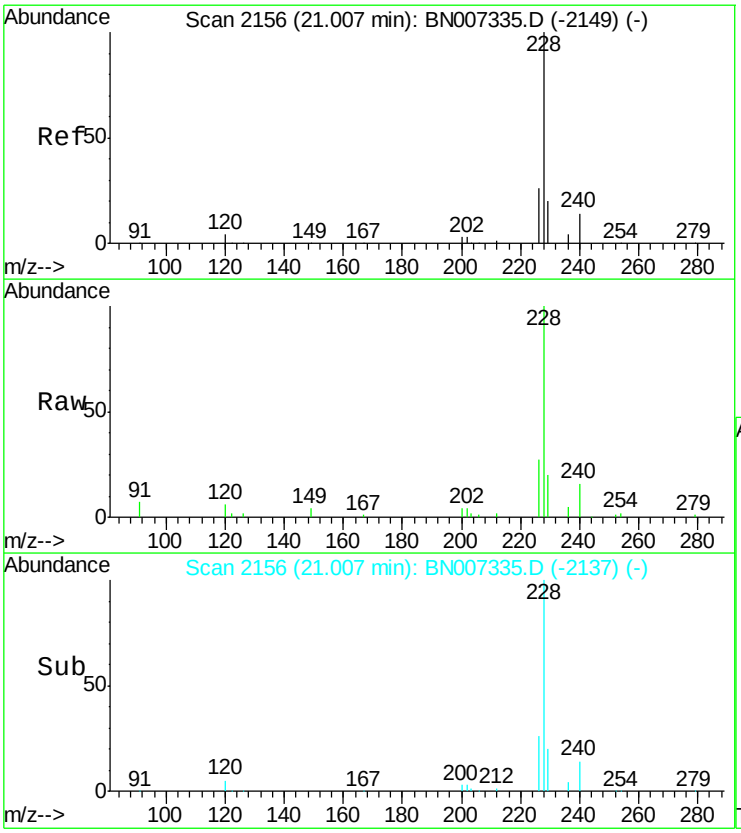
#29
Terphenyl-d14
Concen: 0.429 ng
RT: 19.47 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 20900

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	12.0	9.6	14.4

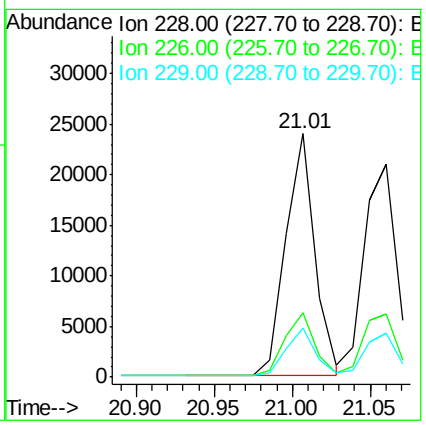


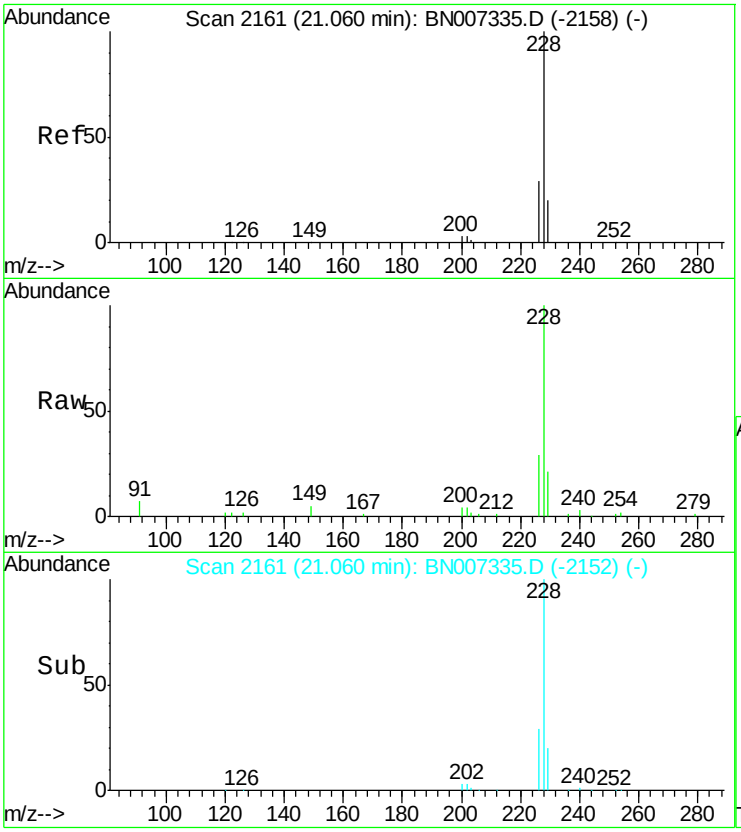


#30
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.01 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:228 Resp: 30847

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.1	16.1	24.1



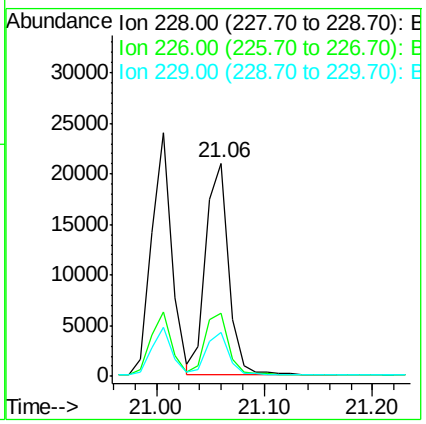


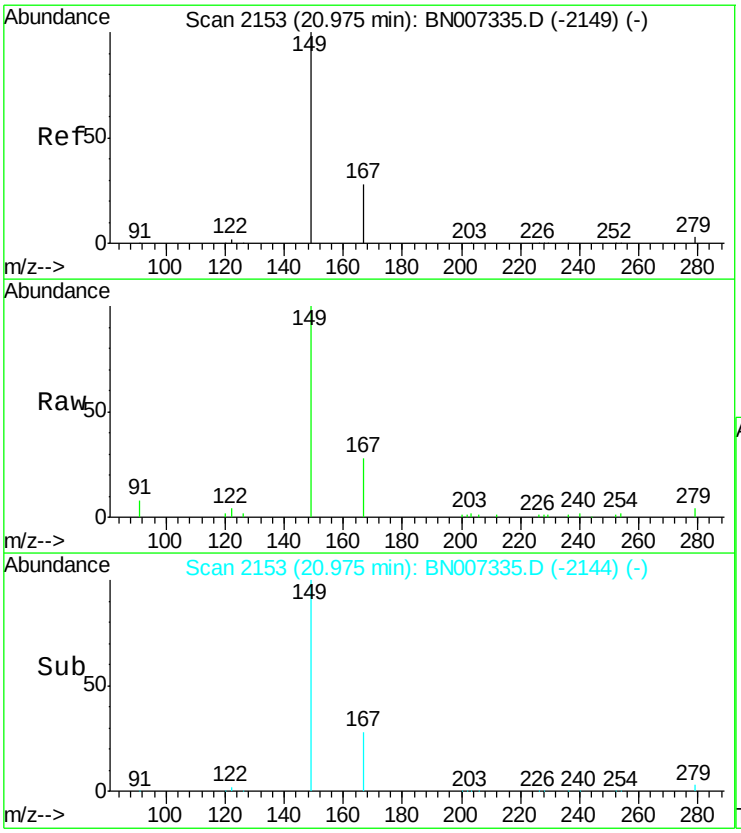
#31
Chrysene
Concen: 0.416 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 30545

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	20.7	16.6	24.8

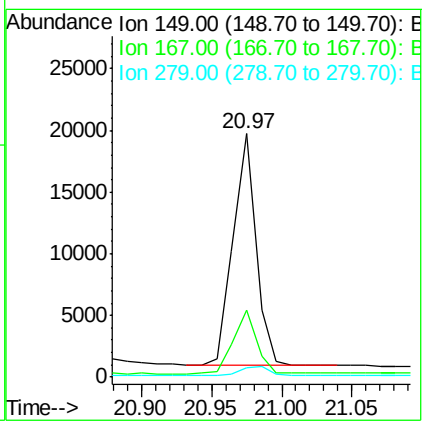


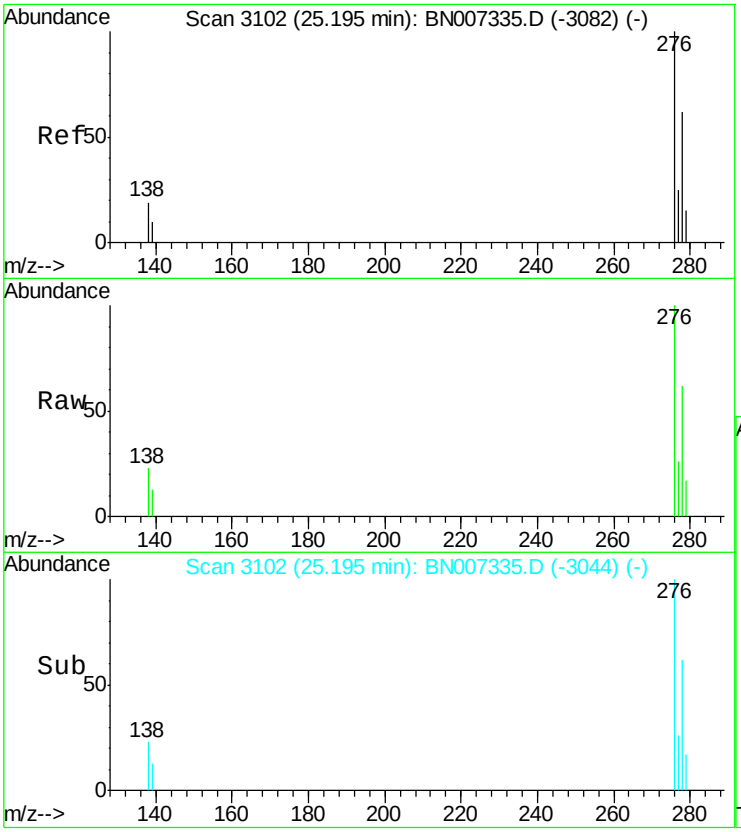


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.656 ng
RT: 20.97 min Scan# 2153
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:149 Resp: 21498

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.8	34.2
279	4.4	3.5	5.3



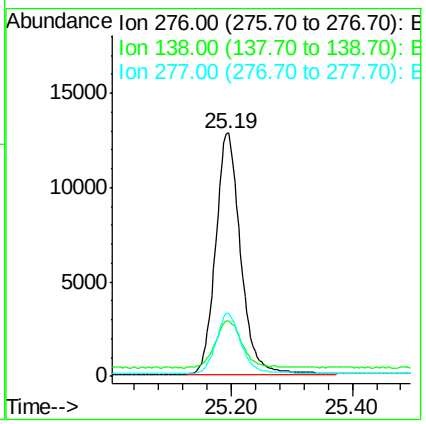


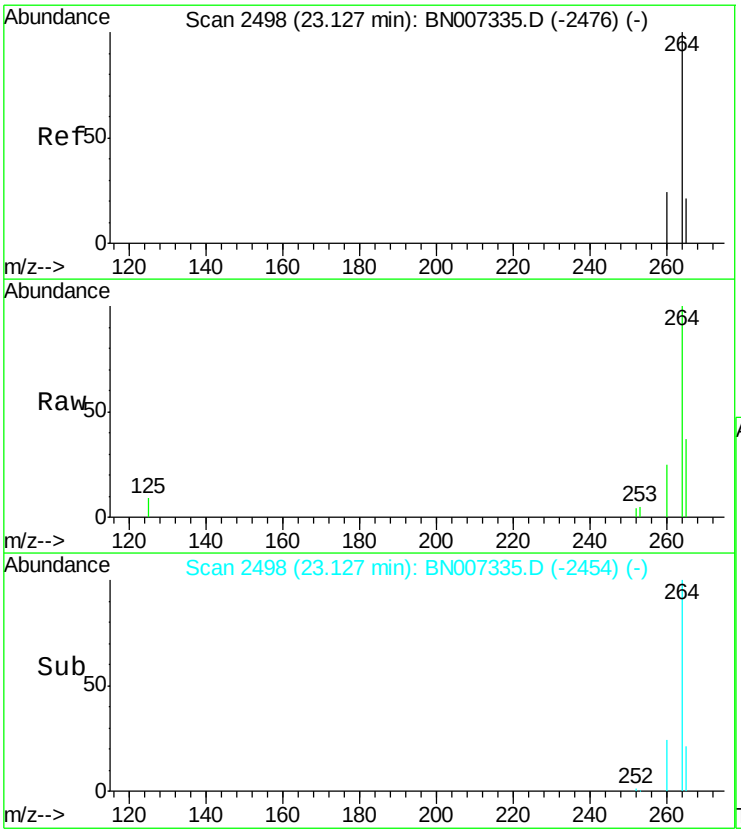
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.414 ng
RT: 25.19 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 36550

Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.1	22.7
277	24.6	19.7	29.5

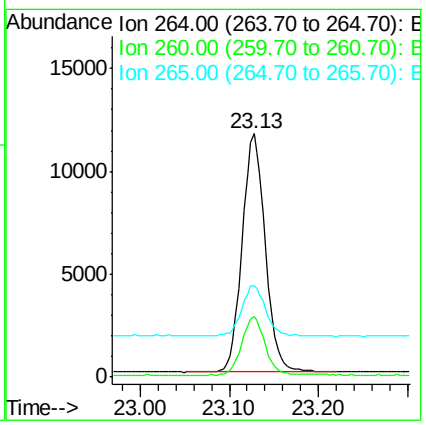


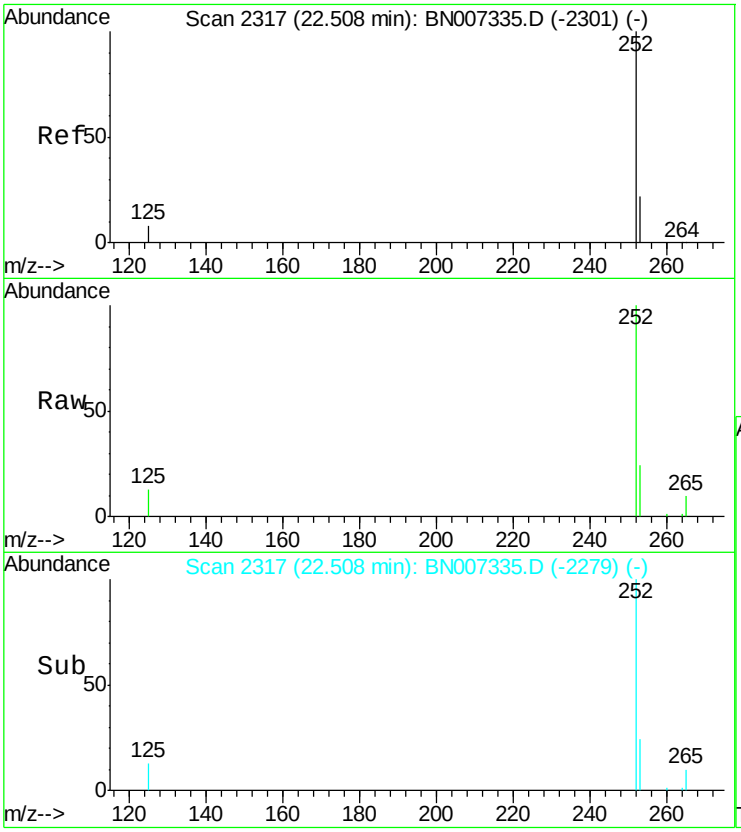


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:264 Resp: 21022

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	37.4	29.9	44.9



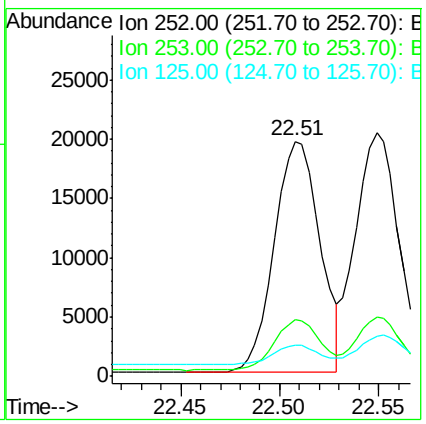


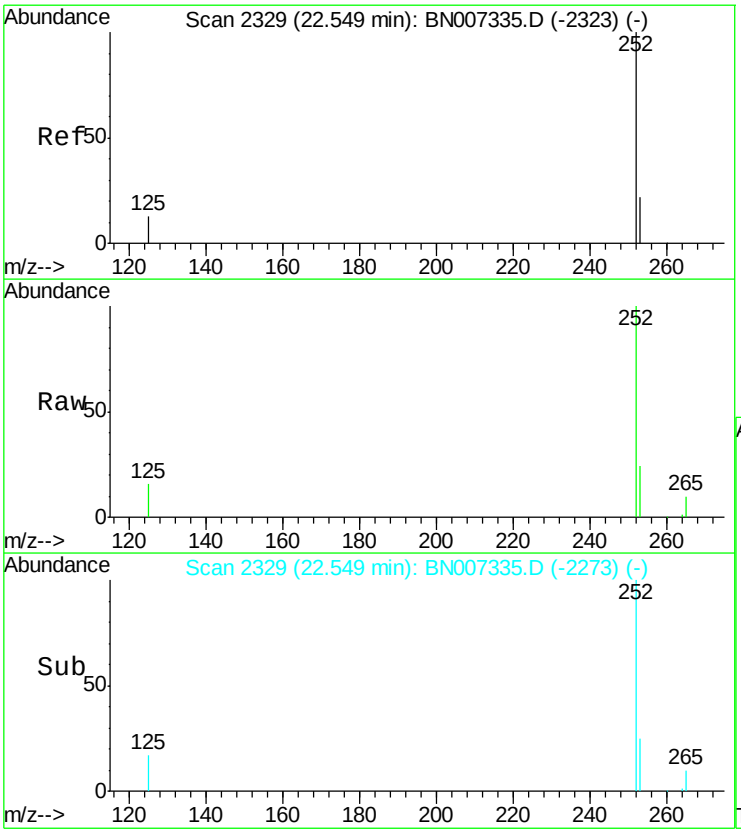
#35
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 22.51 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 31221

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.2	28.8
125	13.3	10.6	16.0

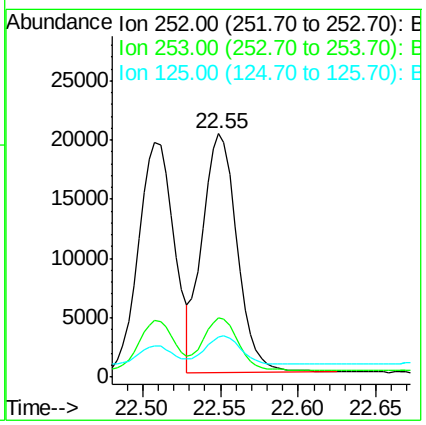


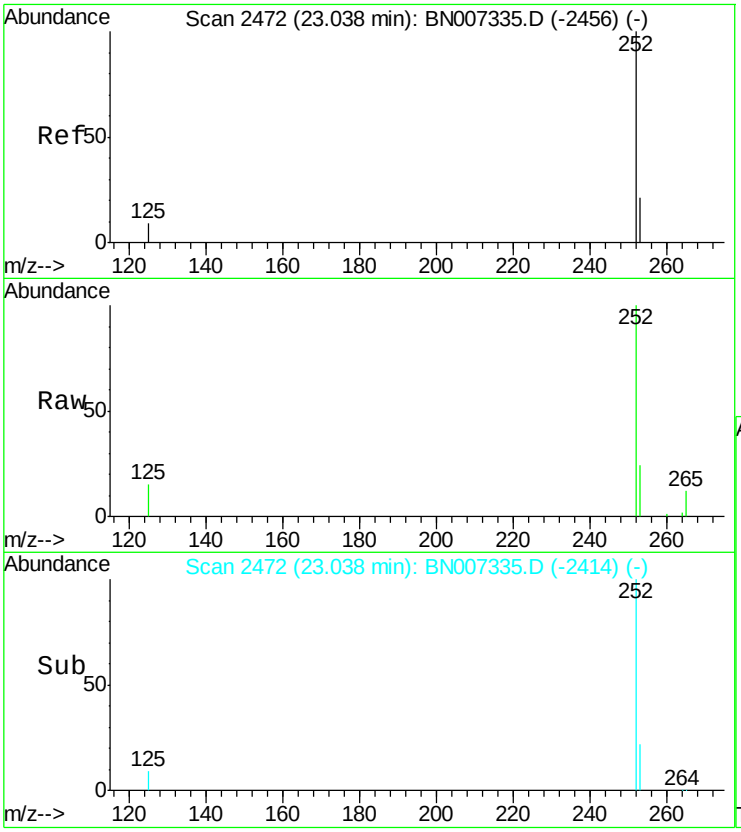


#36
Benzo(k)fluoranthene
Concen: 0.410 ng
RT: 22.55 min Scan# 2329
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:252 Resp: 31349

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.2
125	16.4	13.1	19.7



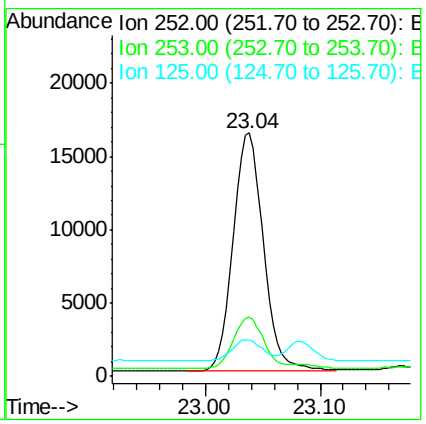


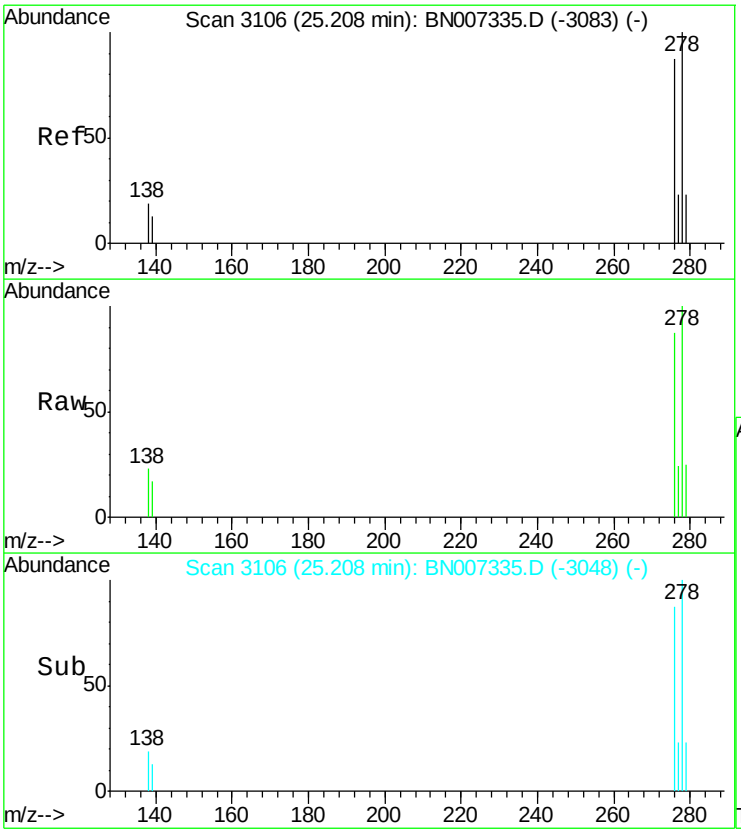
#37
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.04 min Scan# 2472
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 29884

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	15.1	12.1	18.1

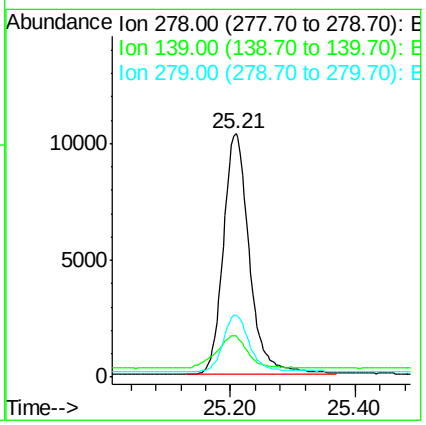


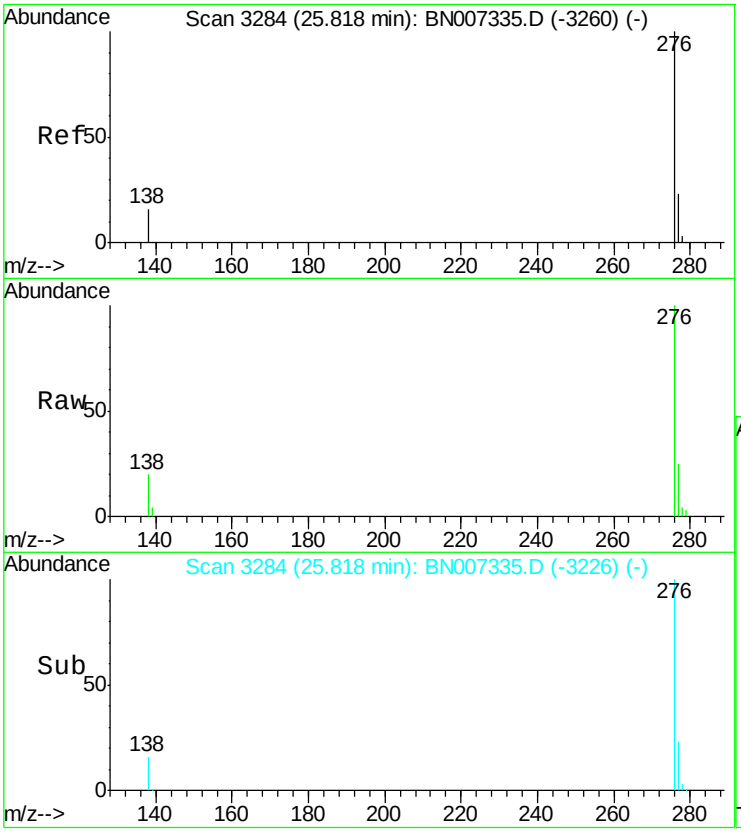


#38
Dibenzo(a,h)anthracene
Concen: 0.405 ng
RT: 25.21 min Scan# 3106
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Tgt Ion:278 Resp: 29945

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.7	20.5
279	25.3	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.399 ng
RT: 25.82 min Scan# 3284
Delta R.T. 0.00 min
Lab File: BN007335.D
Acq: 23 Aug 2019 20:14

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 29782

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.6	29.4
138	20.4	16.3	24.5