Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\
Data File : BN007706.D
Acq On : 18 Sep 2019 15:25
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Quant Time: Sep 18 16:44:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 16:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	5212	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	20514	0.40	ng		0.00
13) Acenaphthene-d10	14.32	164	12974	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	29872	0.40	ng		0.00
27) Chrysene-d12	21.27	240	35096	0.40	ng		0.00
34) Perylene-d12	23.49	264	39512	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.32	112	6242	0.39	ng		0.00
5) Phenol-d6	6.87	99	8104	0.33	ng		0.00
8) Nitrobenzene-d5	8.83	82	6966	0.56	ng		0.00
11) 2-Methylnaphthalene-d10	12.06	152	13364	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	2365	0.48	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	19824	0.37	ng		0.00
25) Fluoranthene-d10	19.11	212	39813	0.41	ng		0.00
29) Terphenyl-d14	19.71	244	33312	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	1965	0.357	ng	#	74
3) n-Nitrosodimethylamine	3.01	42	1617	0.519	ng		99
6) bis(2-Chloroethyl)ether	7.15	93	5201	0.506	ng		100
9) Naphthalene	10.52	128	22882	0.397	ng		100
10) Hexachlorobutadiene	10.82	225	4875	0.421	ng	#	100
12) 2-Methylnaphthalene	12.14	142	15125	0.374	ng		100
16) Acenaphthylene	14.05	152	24754	0.355	ng		100
17) Acenaphthene	14.39	154	16221	0.369	ng		100
18) Fluorene	15.37	166	20842	0.360	ng		100
20) 4-Bromophenyl-phenylether	16.27	248	7130	0.404	ng		100
21) Hexachlorobenzene	16.39	284	7845	0.422	ng		100
22) Pentachlorophenol	16.73	266	2548	0.493	ng		100
23) Phenanthrene	17.11	178	36744	0.399	ng		100
24) Anthracene	17.20	178	32432	0.381	ng		100
26) Fluoranthene	19.14	202	45675	0.408	ng		100
28) Pyrene	19.50	202	46188	0.366	ng		100
30) Benzo(a)anthracene	21.25	228	49696	0.396	ng		100
31) Chrysene	21.30	228	49241	0.386	ng		100
32) Bis(2-ethylhexyl)phthalate	21.21	149	23833	0.555	ng		100
33) Indeno(1,2,3-cd)pyrene	25.71	276	61648	0.457	ng		100
35) Benzo(b)fluoranthene	22.83	252	51703	0.368	ng		100
36) Benzo(k)fluoranthene	22.87	252	52045	0.375	ng		100
37) Benzo(a)pyrene	23.39	252	48997	0.392	ng		100
38) Dibenzo(a,h)anthracene	25.72	278	50433	0.402	ng		100
39) Benzo(g,h,i)perylene	26.38	276	50084	0.394	ng		100

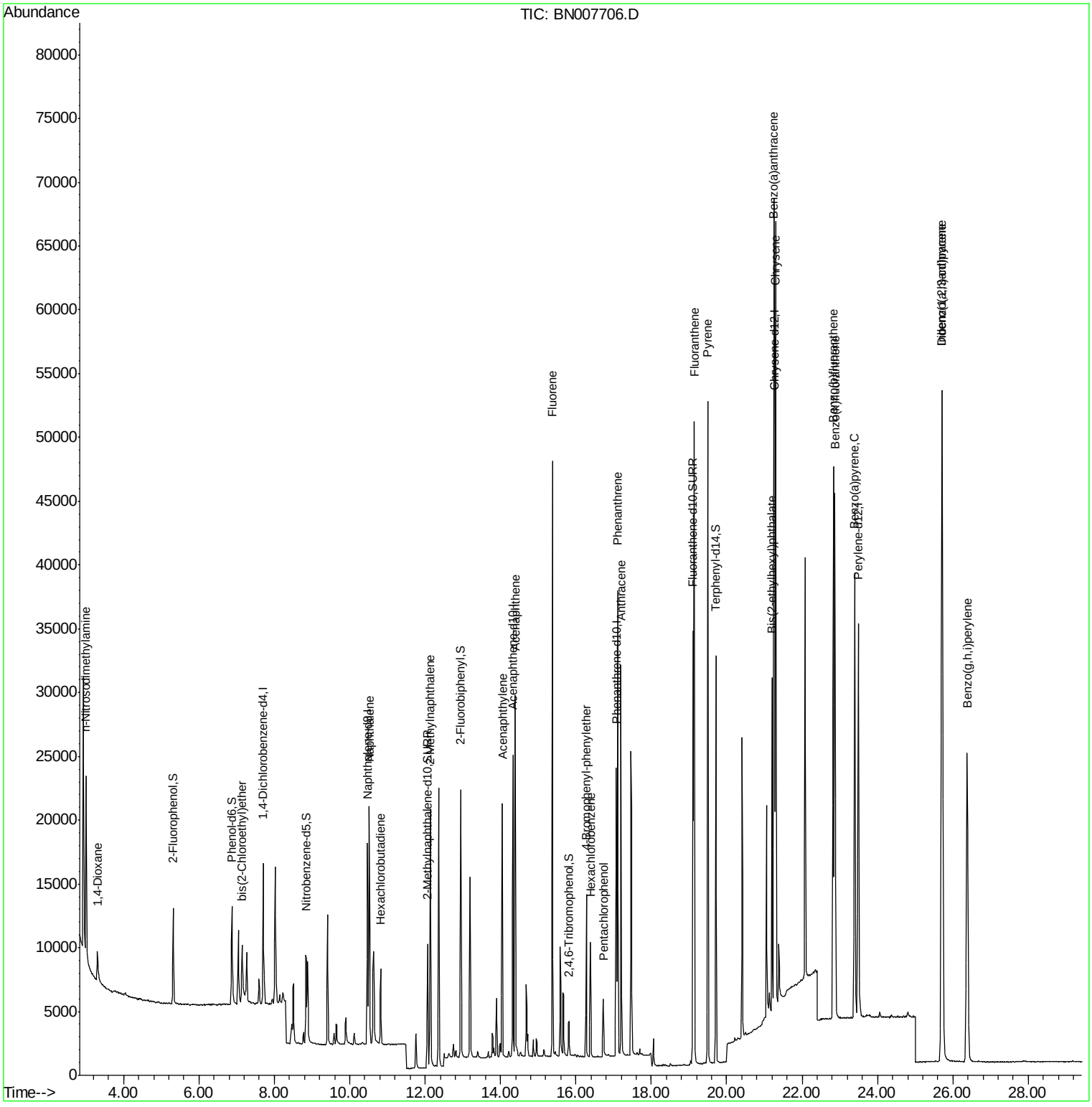
(#) = qualifier out of range (m) = manual integration (+) = signals summed

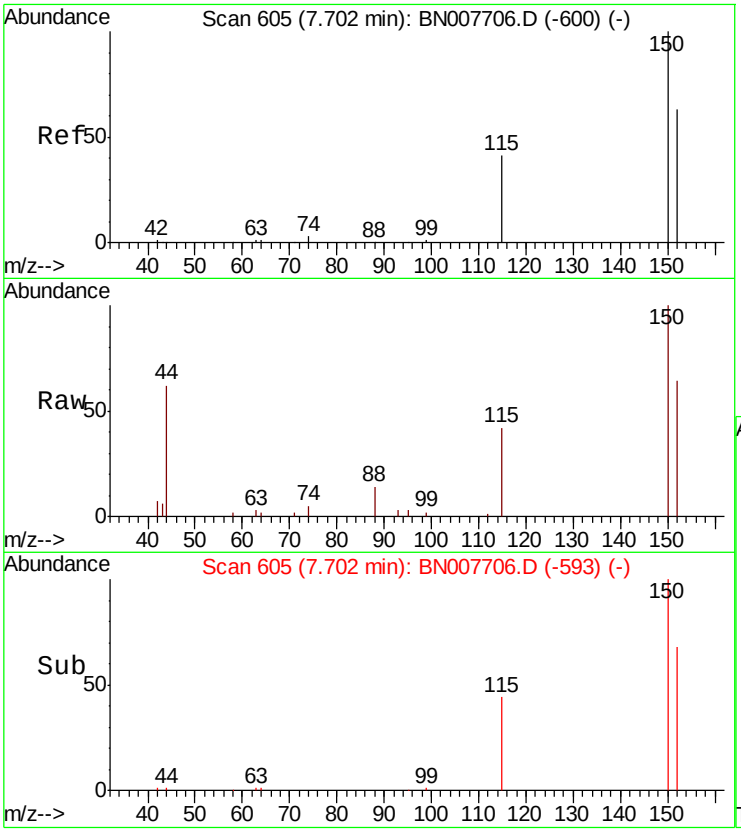
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\
Data File : BN007706.D
Acq On : 18 Sep 2019 15:25
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Quant Time: Sep 18 16:44:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 16:39:13 2019
Response via : Initial Calibration



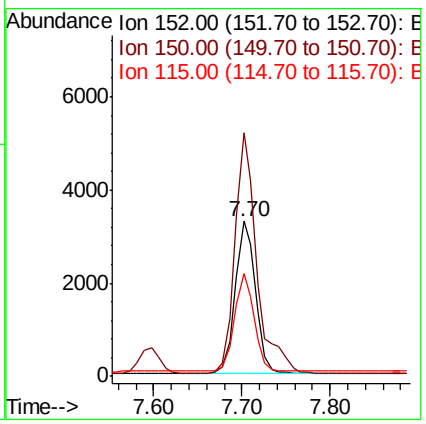


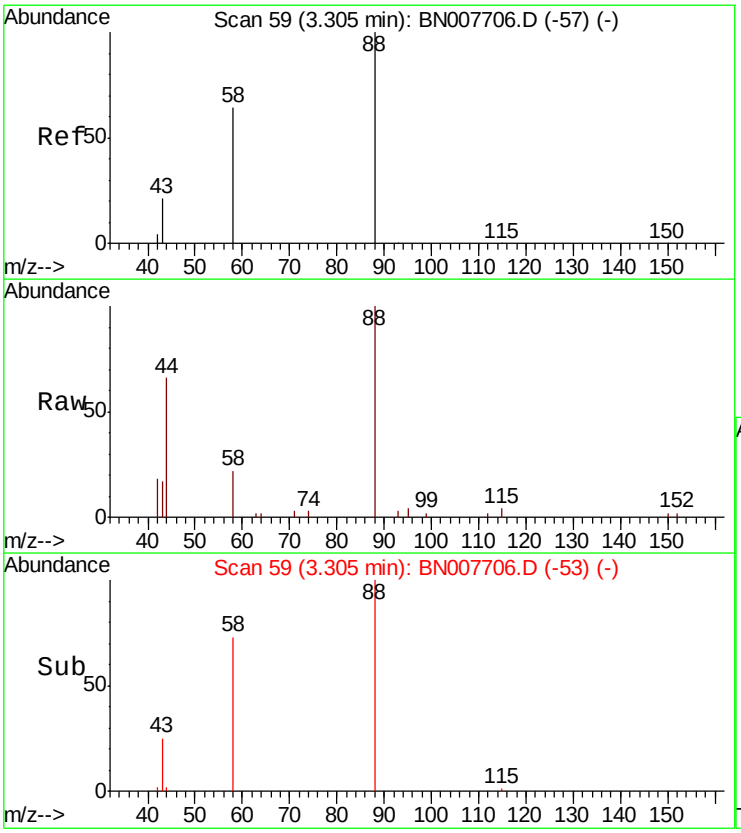
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 605
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 5212

Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.6	188.4
115	66.6	53.3	79.9

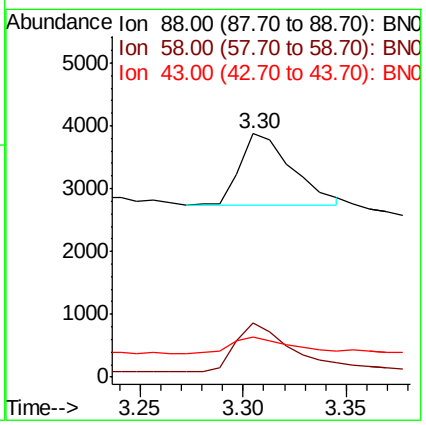


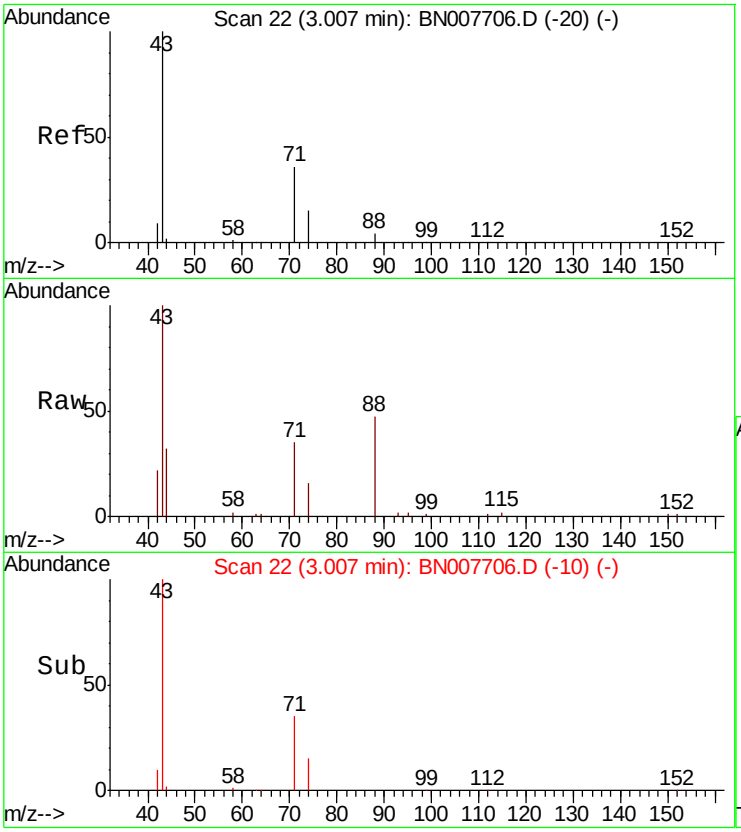


#2
1,4-Dioxane
Concen: 0.357 ng
RT: 3.30 min Scan# 59
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion: 88 Resp: 1965

Ion	Ratio	Lower	Upper
88	100		
58	74.9	44.6	66.8#
43	28.2	14.4	21.6#



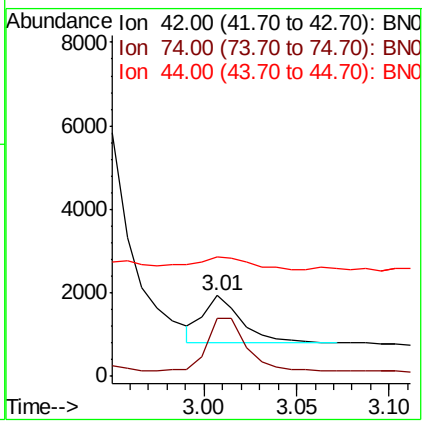


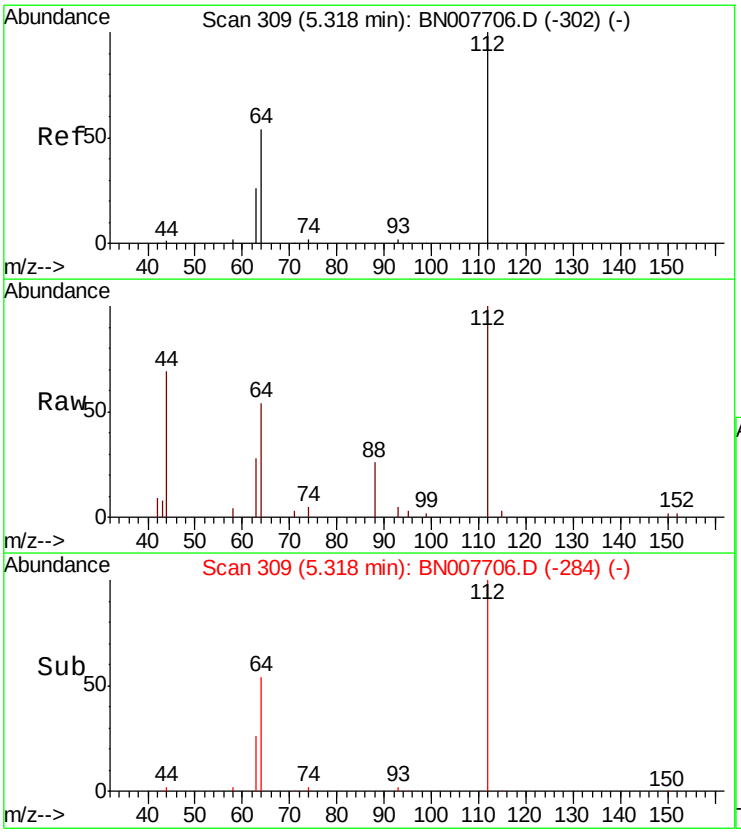
#3
n-Nitrosodimethylamine
Concen: 0.519 ng
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1617

Ion	Ratio	Lower	Upper
42	100		
74	109.2	87.9	131.9
44	37.5	29.4	44.0

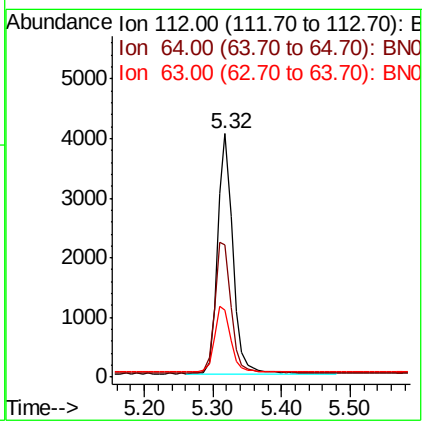


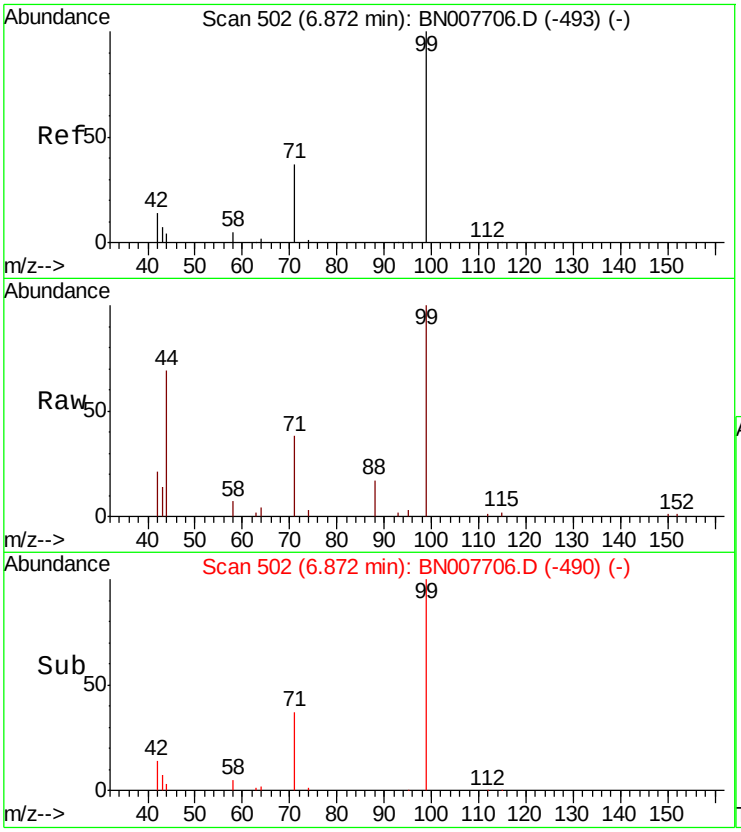


#4
2-Fluorophenol
Concen: 0.393 ng
RT: 5.32 min Scan# 309
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:112 Resp: 6242

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.6	70.0
63	28.9	23.1	34.7



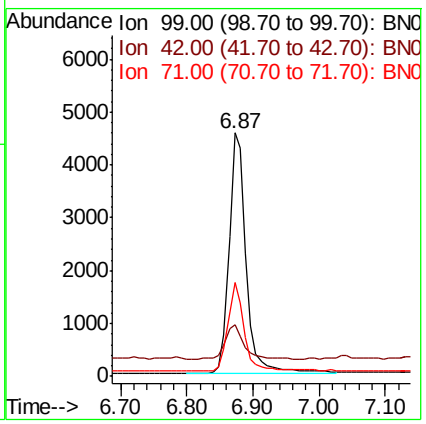


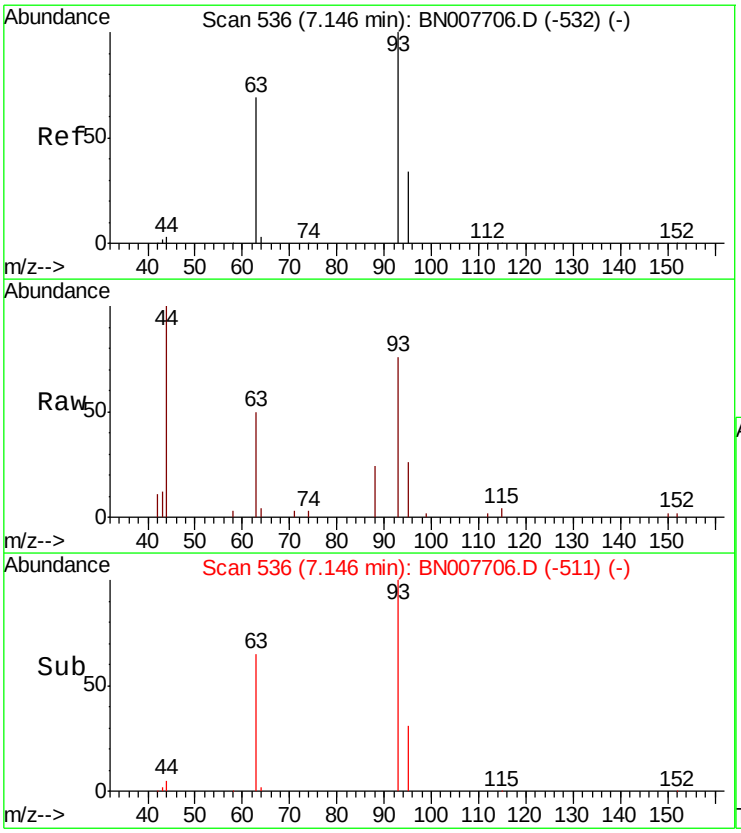
#5
Phenol-d6
Concen: 0.333 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 8104

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.8	19.2
71	34.5	27.6	41.4

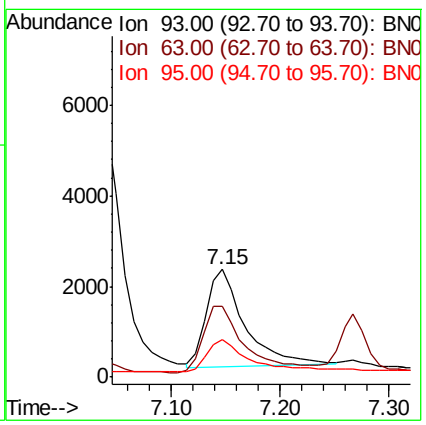


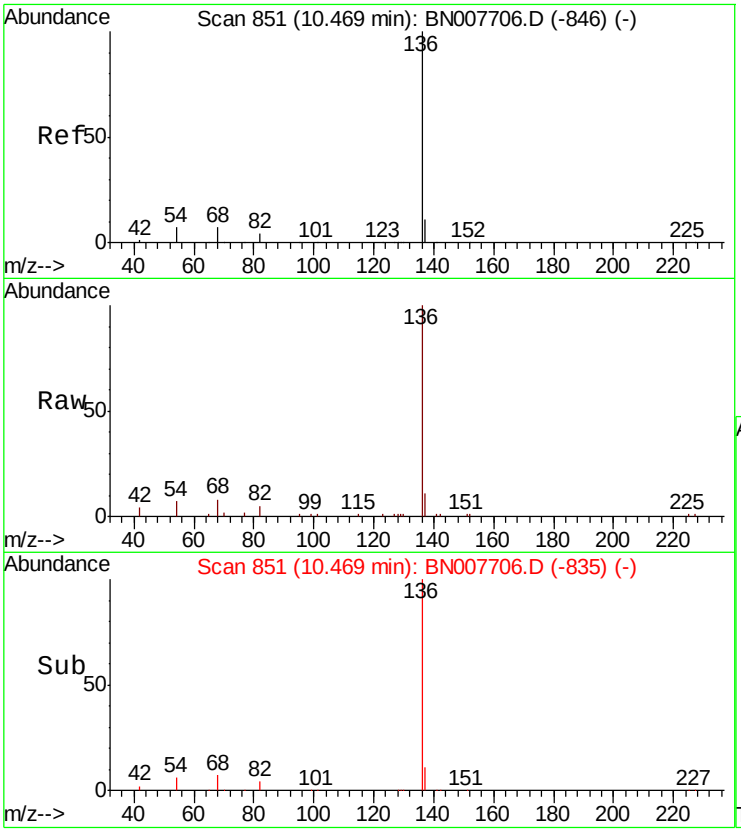


#6
bis(2-Chloroethyl)ether
Concen: 0.506 ng
RT: 7.15 min Scan# 536
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion: 93 Resp: 5201

Ion	Ratio	Lower	Upper
93	100		
63	74.1	59.3	88.9
95	39.2	31.4	47.0



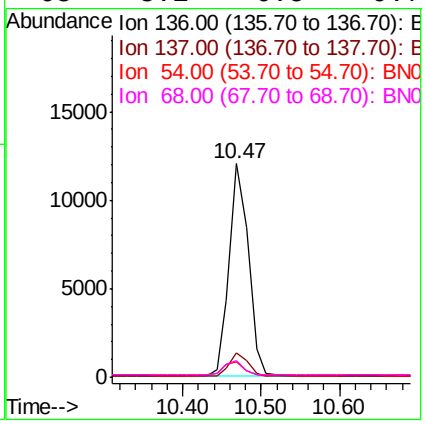


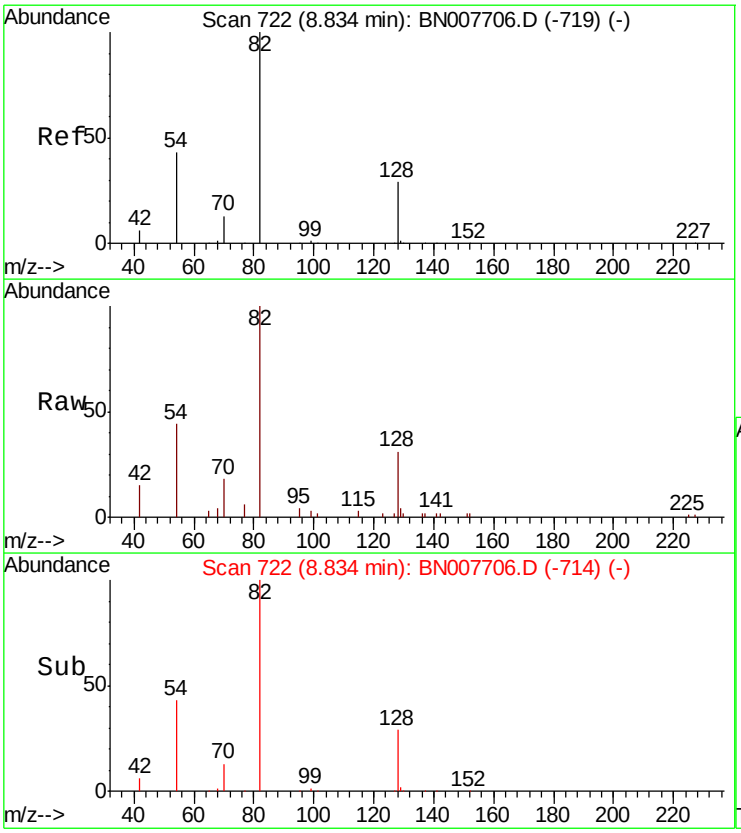
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 851
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 20514

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.3	5.8	8.8
68	8.1	6.5	9.7

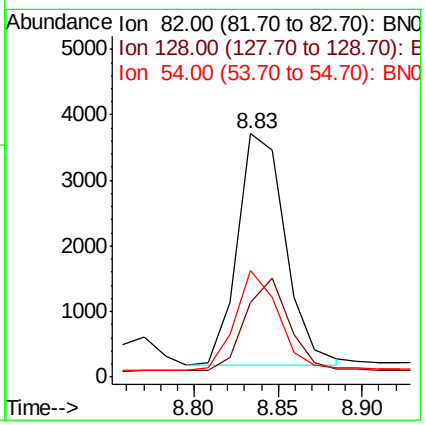


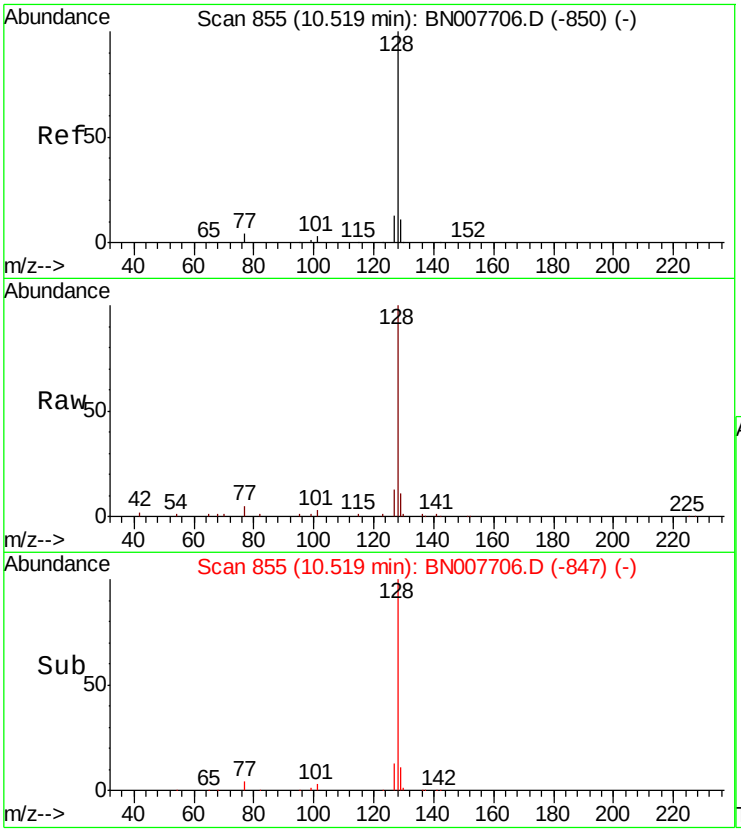


#8
Nitrobenzene-d5
Concen: 0.557 ng
RT: 8.83 min Scan# 722
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion: 82 Resp: 6966

Ion	Ratio	Lower	Upper
82	100		
128	30.6	24.5	36.7
54	44.0	35.2	52.8



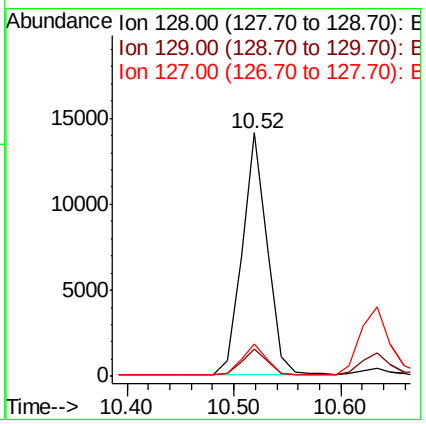


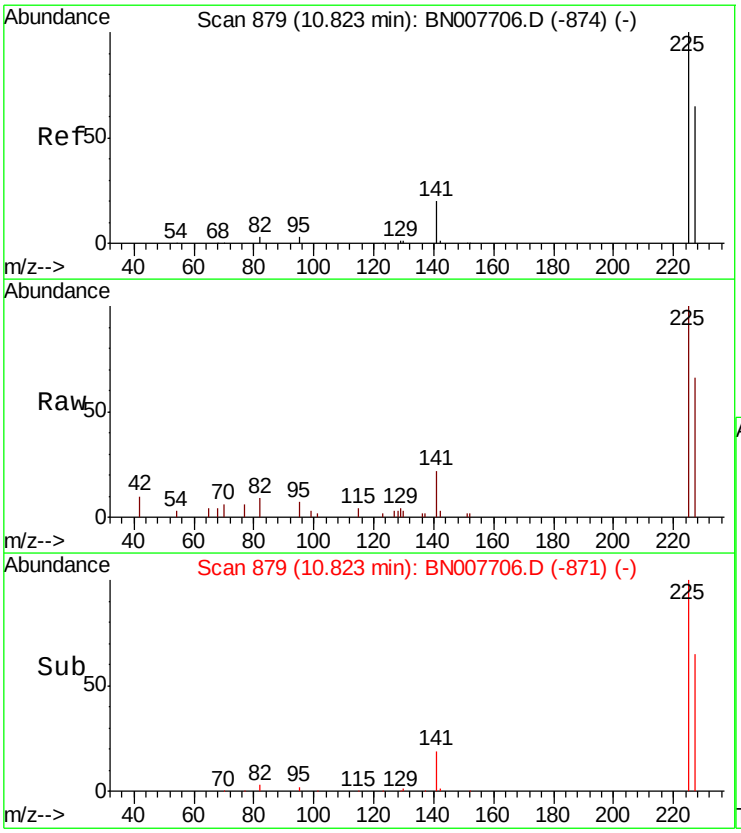
#9
Naphthalene
Concen: 0.397 ng
RT: 10.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 22882

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.2	10.6	15.8

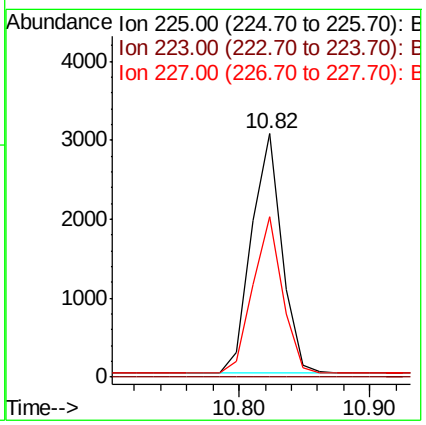


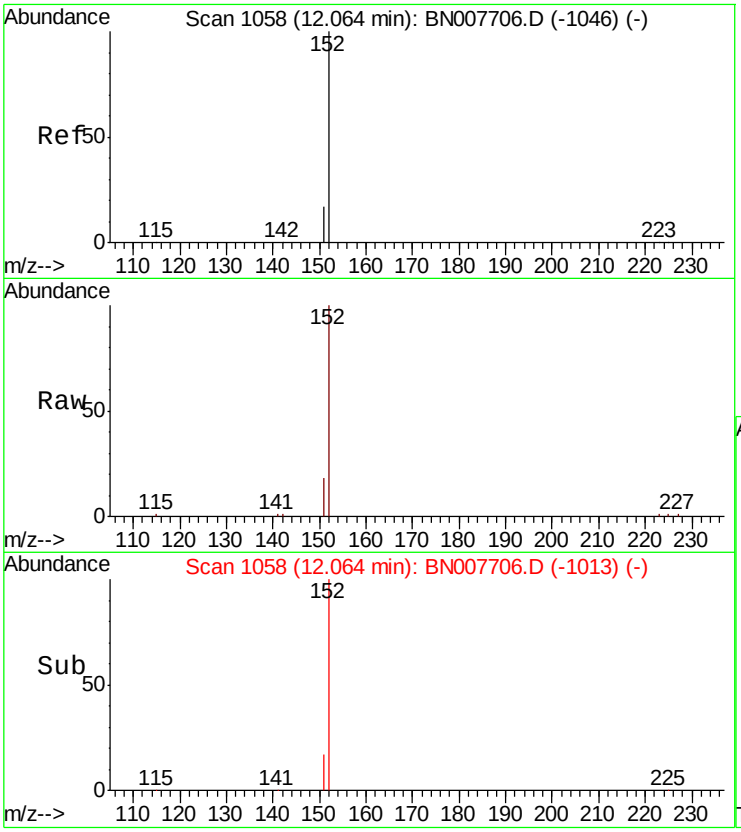


#10
Hexachlorobutadiene
Concen: 0.421 ng
RT: 10.82 min Scan# 879
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:225 Resp: 4875

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.2	76.8



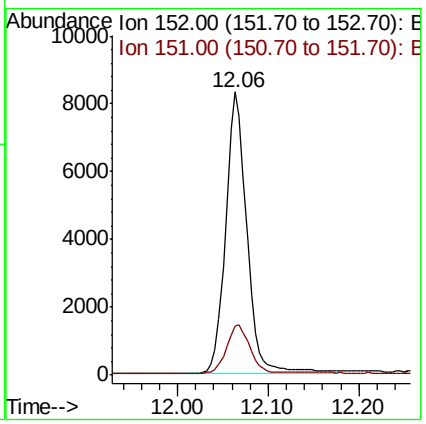


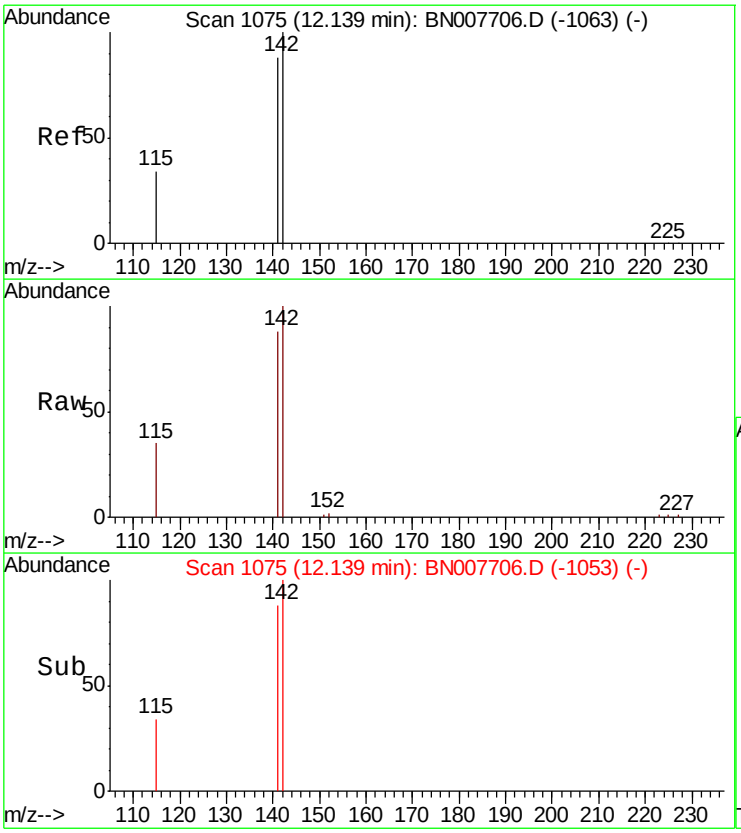
#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.06 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 13364

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

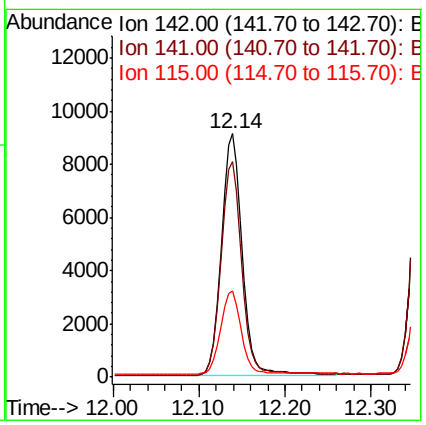


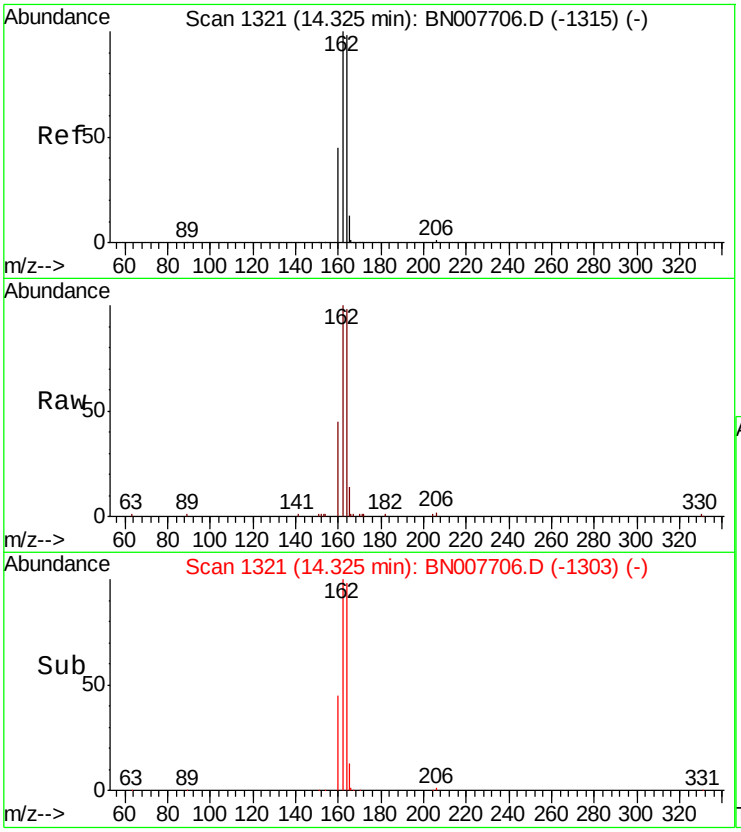


#12
2-Methylnaphthalene
Concen: 0.374 ng
RT: 12.14 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:142 Resp: 15125

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	106.0
115	35.4	28.3	42.5



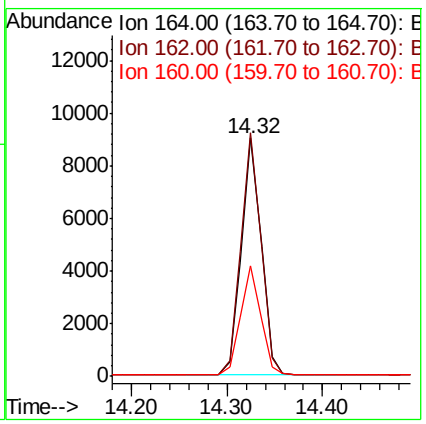


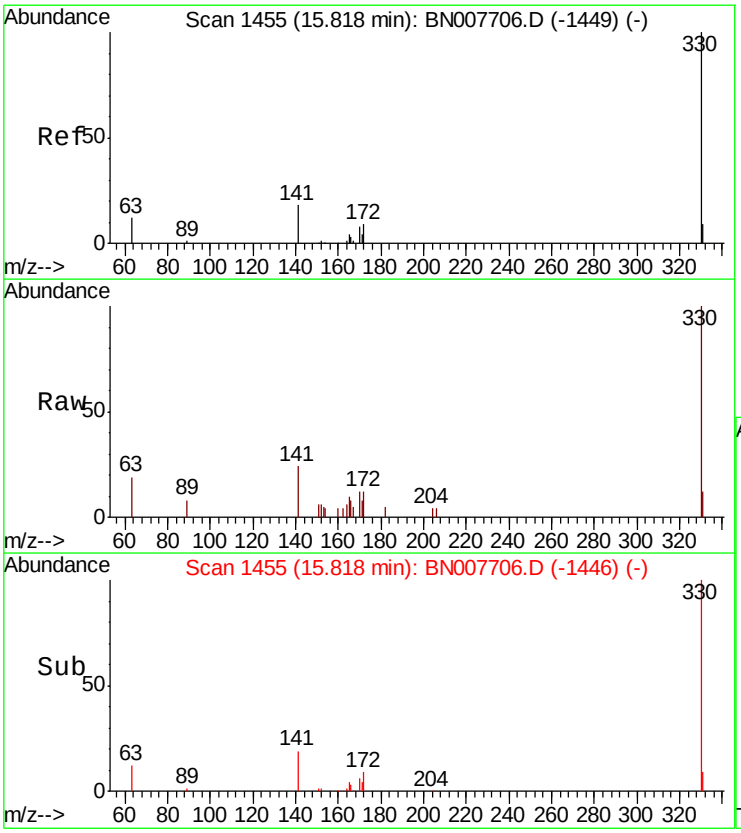
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 12974

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.7	122.5
160	46.2	37.0	55.4

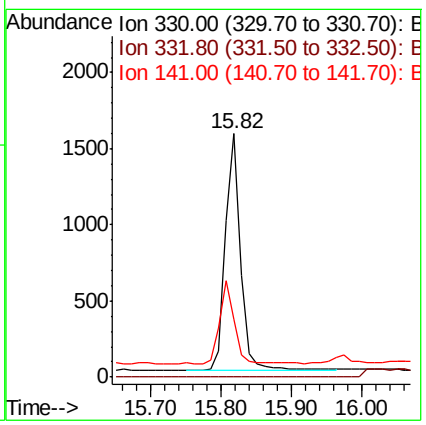


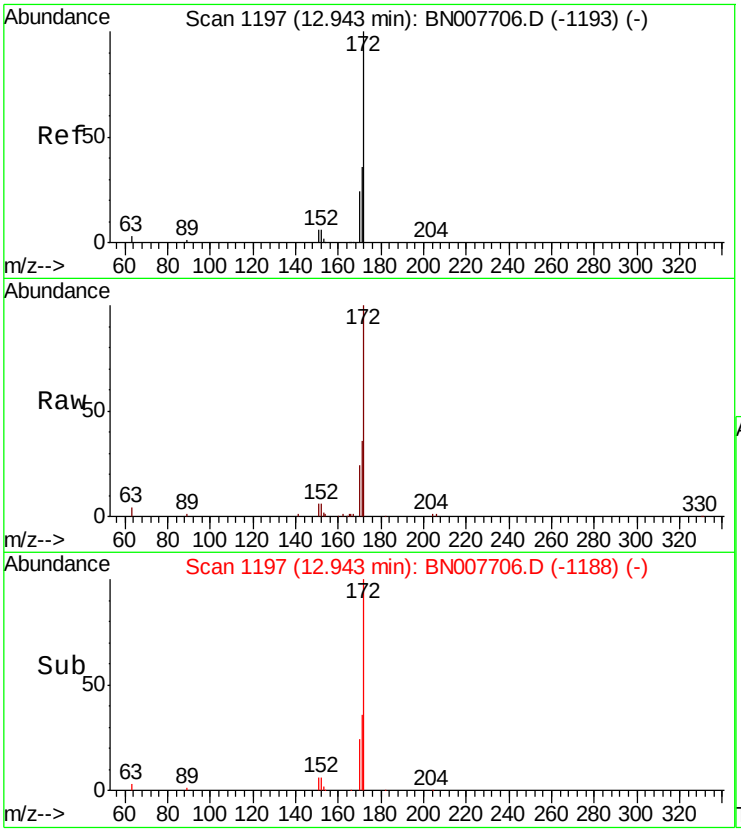


#14
2,4,6-Tribromophenol
Concen: 0.480 ng
RT: 15.82 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:330 Resp: 2365

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.9	28.7	43.1



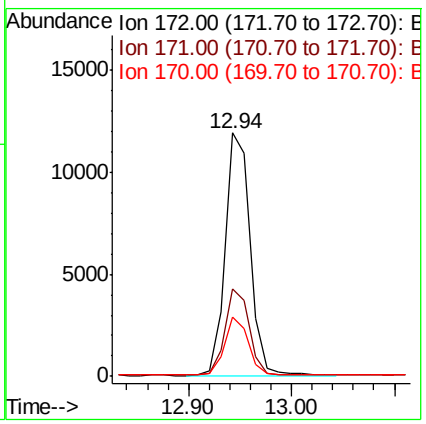


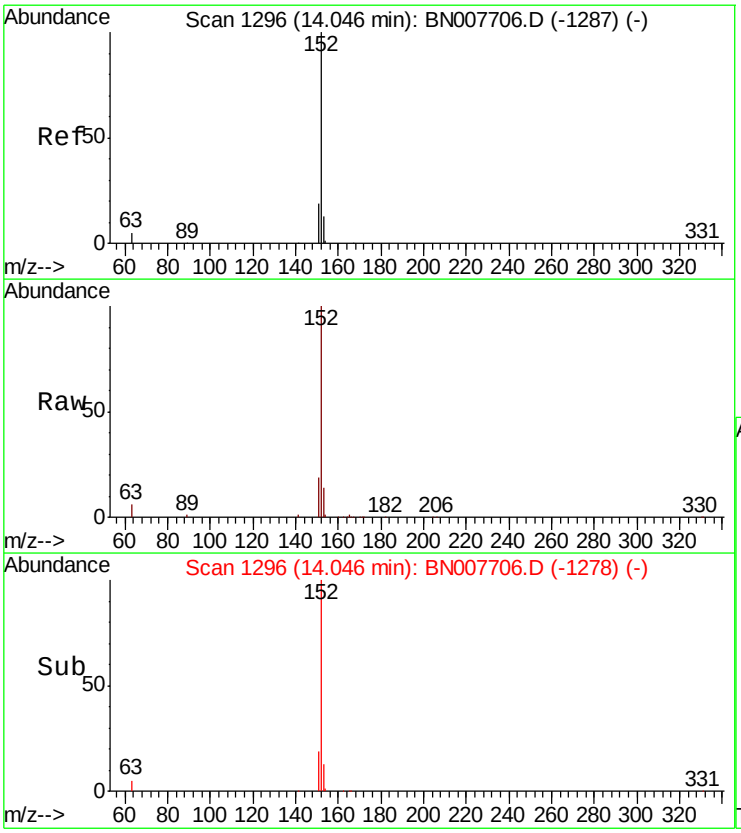
#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.94 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 19824

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.4	19.5	29.3

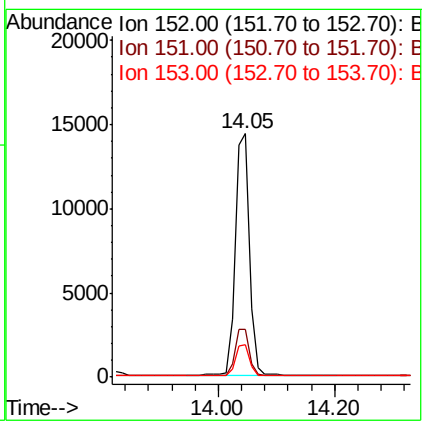


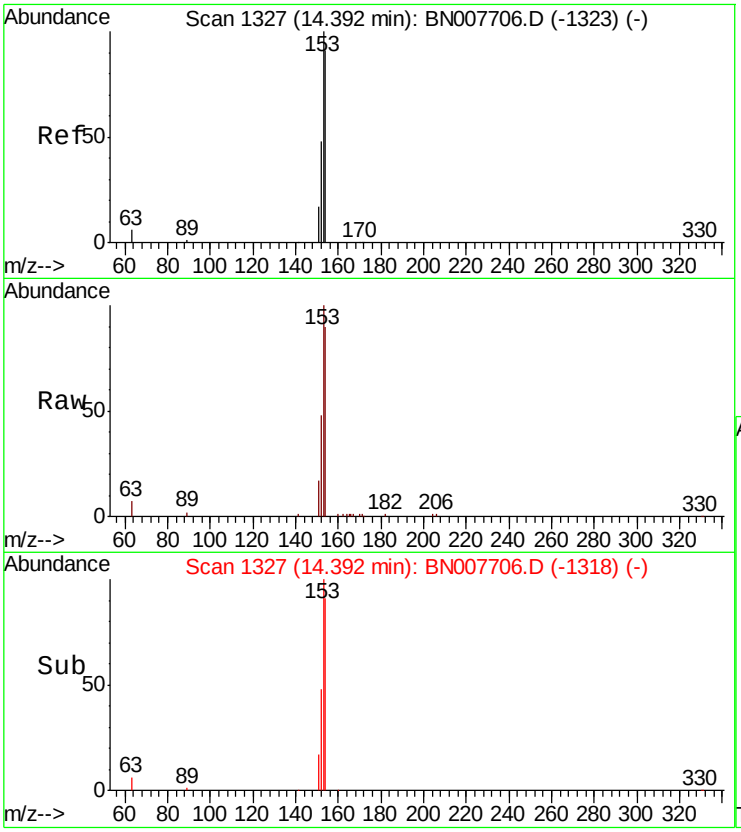


#16
Acenaphthylene
Concen: 0.355 ng
RT: 14.05 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:152 Resp: 24754

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.0	10.4	15.6



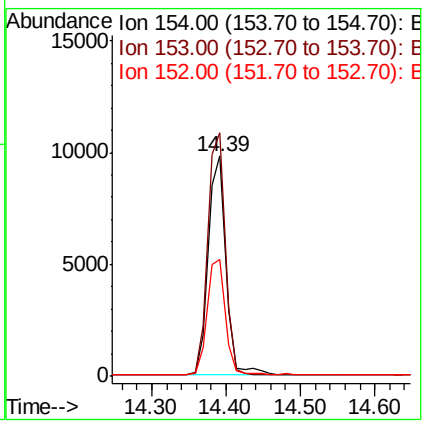


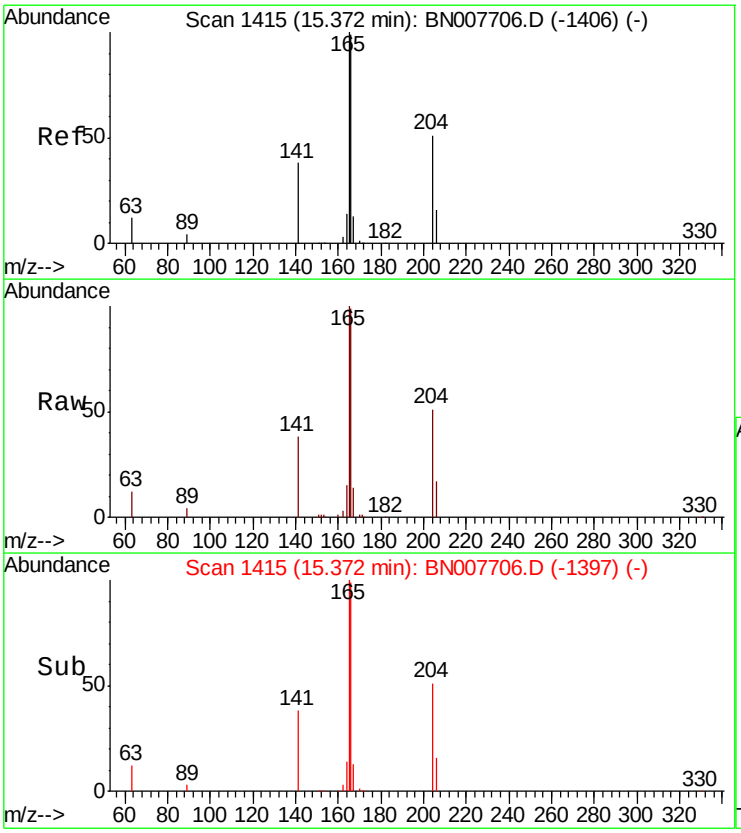
#17
Acenaphthene
Concen: 0.369 ng
RT: 14.39 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 16221

Ion	Ratio	Lower	Upper
154	100		
153	108.7	87.0	130.4
152	53.4	42.7	64.1

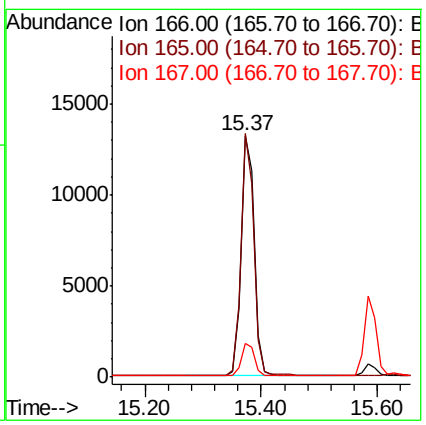


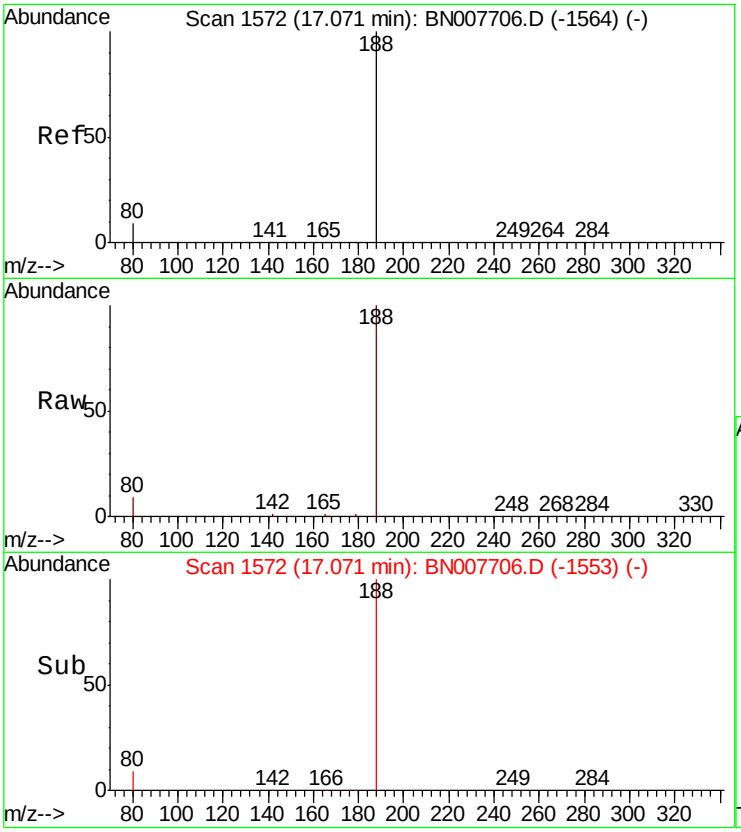


#18
Fluorene
Concen: 0.360 ng
RT: 15.37 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:166 Resp: 20842

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.6	10.9	16.3



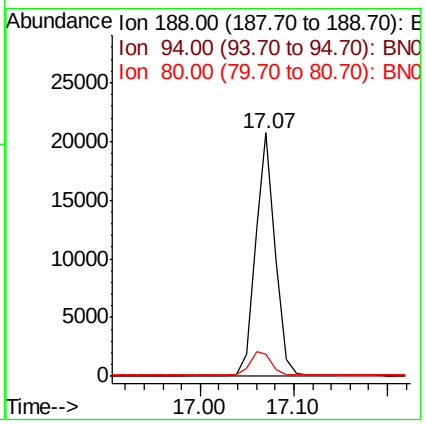


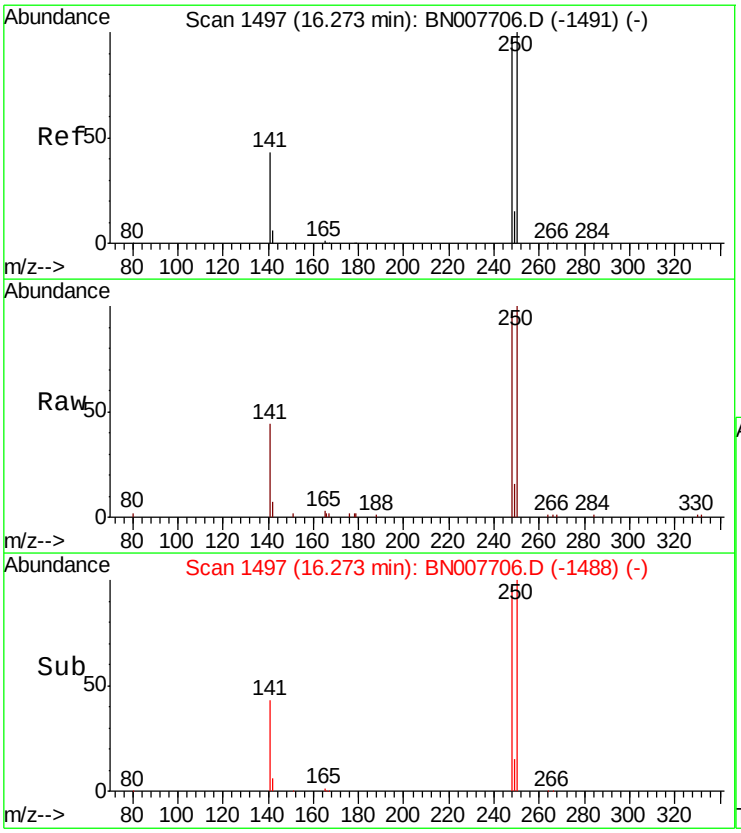
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 29872

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	7.4	11.2

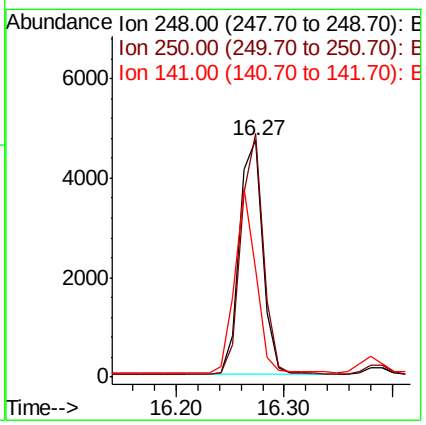


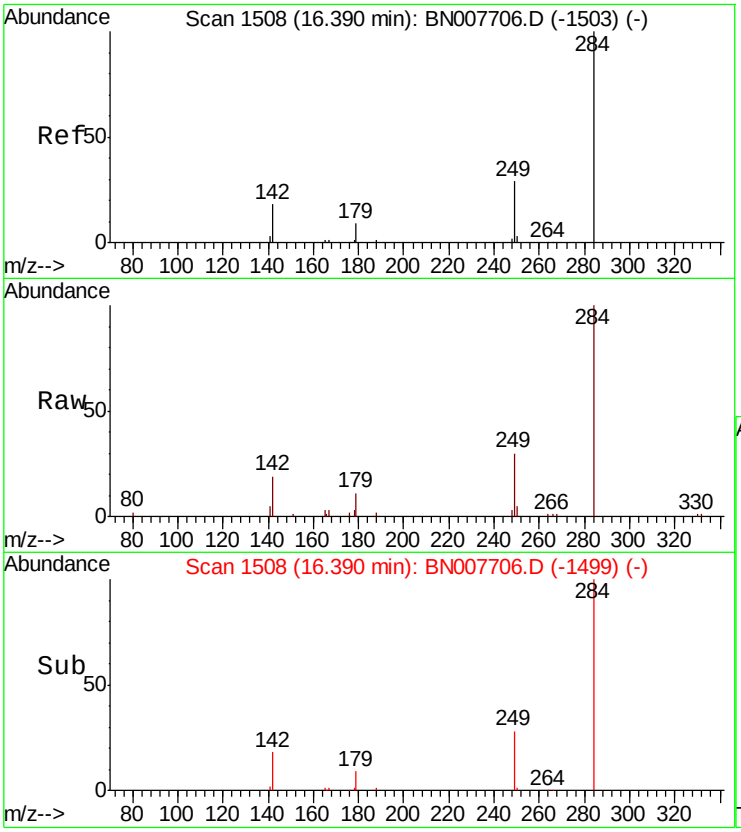


#20
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:248 Resp: 7130

Ion	Ratio	Lower	Upper
248	100		
250	102.8	82.2	123.4
141	45.4	36.3	54.5



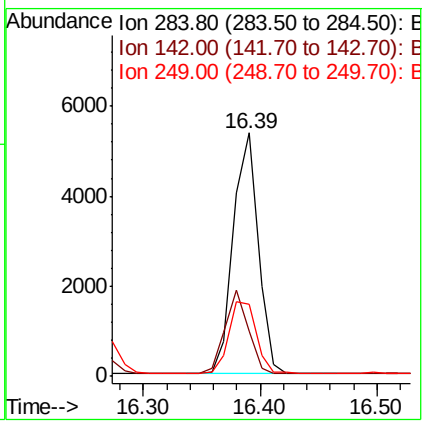


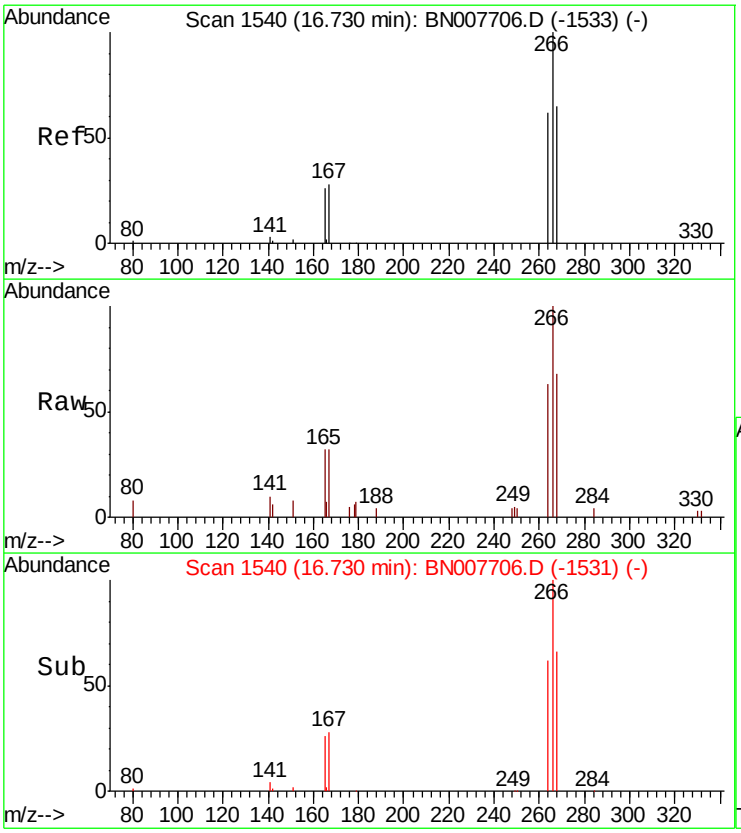
#21
Hexachlorobenzene
Concen: 0.422 ng
RT: 16.39 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 7845

Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.8	38.6
249	32.4	25.9	38.9

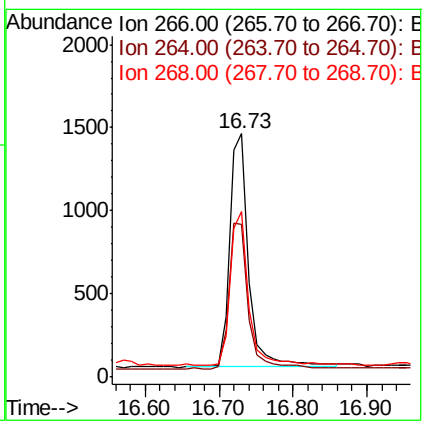


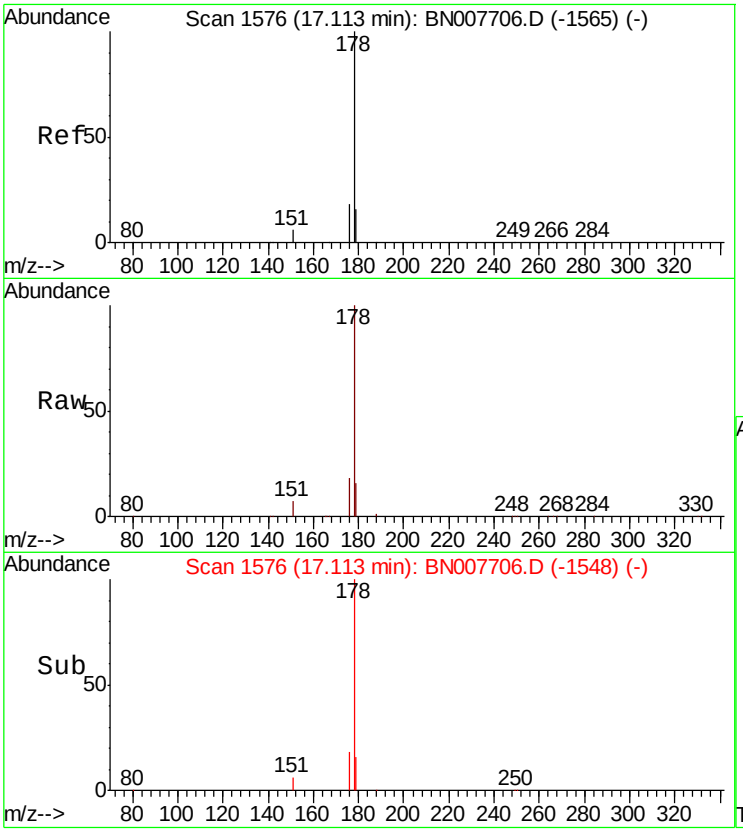


#22
Pentachlorophenol
Concen: 0.493 ng
RT: 16.73 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:266 Resp: 2548

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.0	75.0
268	67.8	54.2	81.4



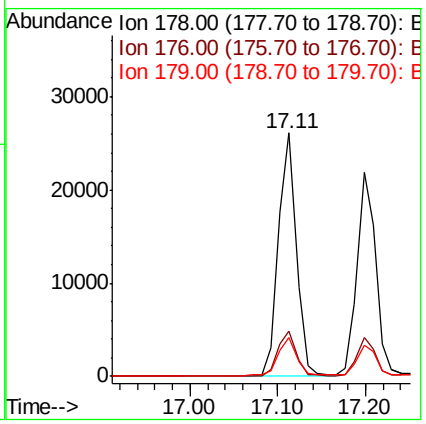


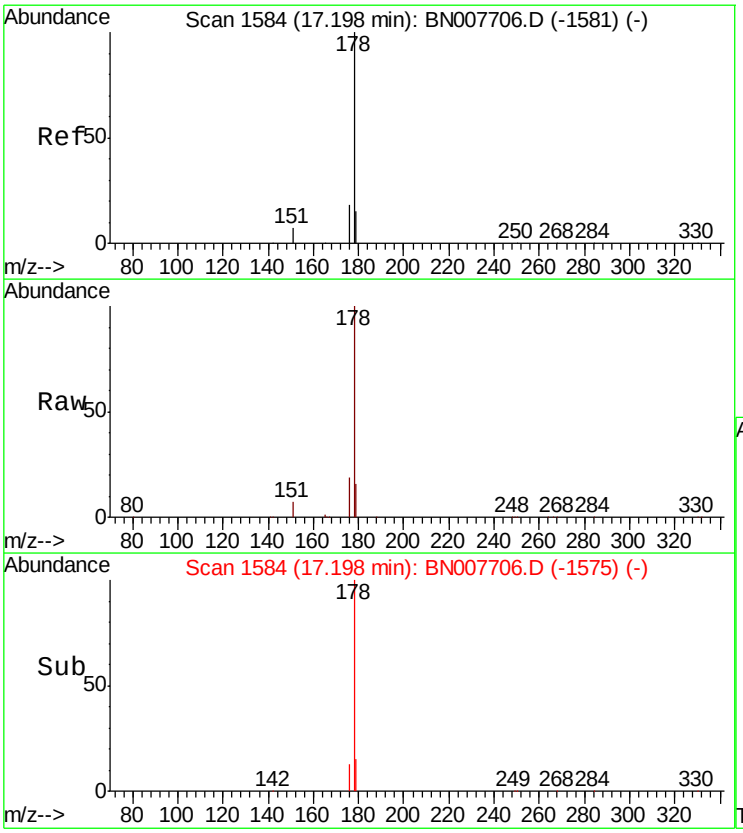
#23
Phenanthrene
Concen: 0.399 ng
RT: 17.11 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 36744

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

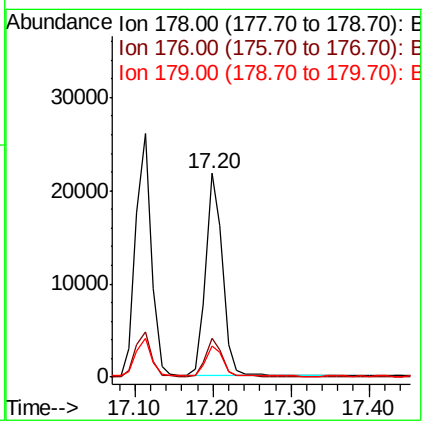


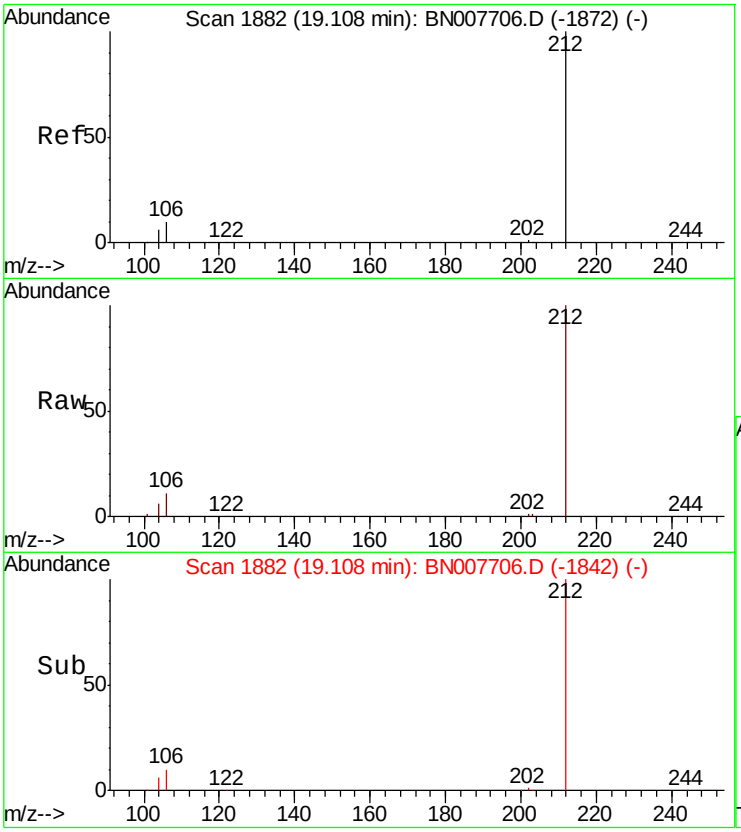


#24
Anthracene
Concen: 0.381 ng
RT: 17.20 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:178 Resp: 32432

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.2	18.4



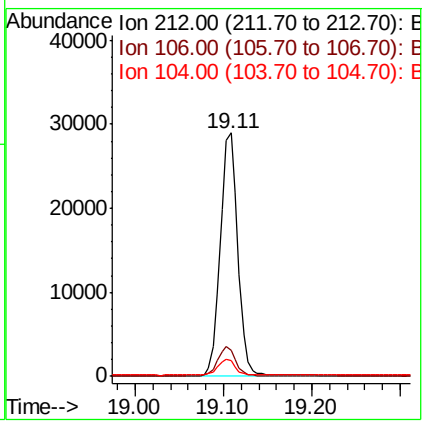


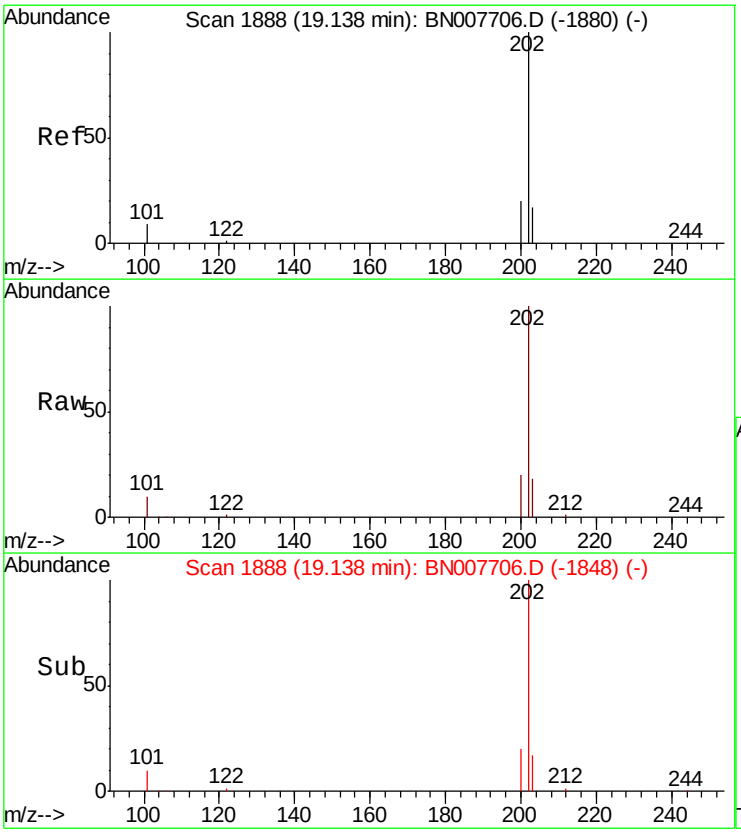
#25
Fluoranthene-d10
Concen: 0.410 ng
RT: 19.11 min Scan# 1882
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 39813

Ion	Ratio	Lower	Upper
212	100		
106	11.7	9.4	14.0
104	6.6	5.3	7.9

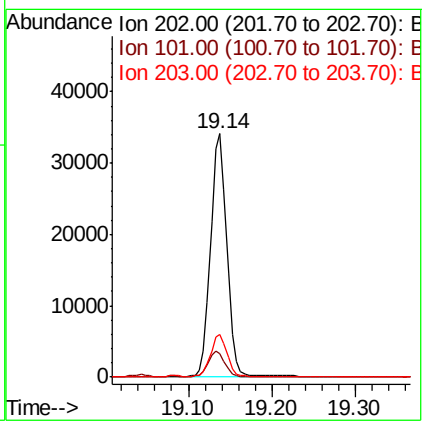


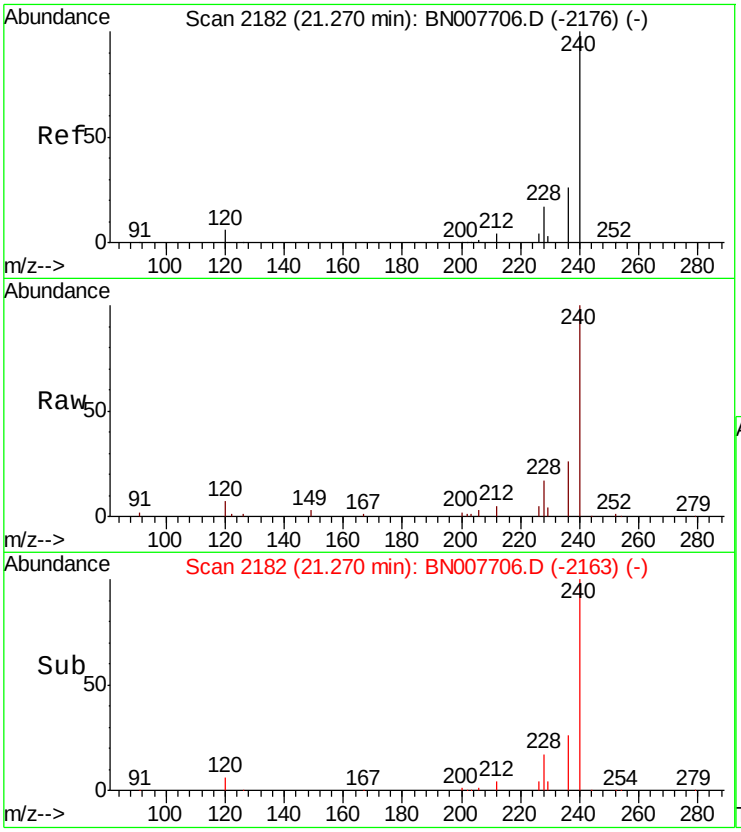


#26
Fluoranthene
Concen: 0.408 ng
RT: 19.14 min Scan# 1888
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:202 Resp: 45675

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.4	12.6
203	17.3	13.8	20.8



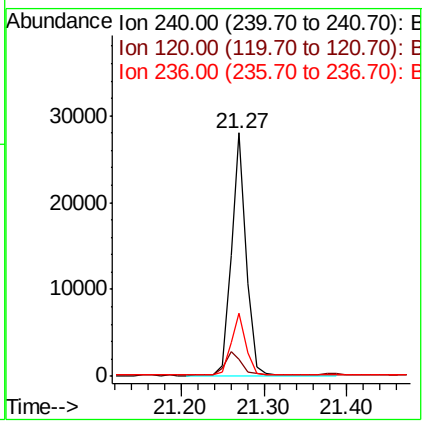


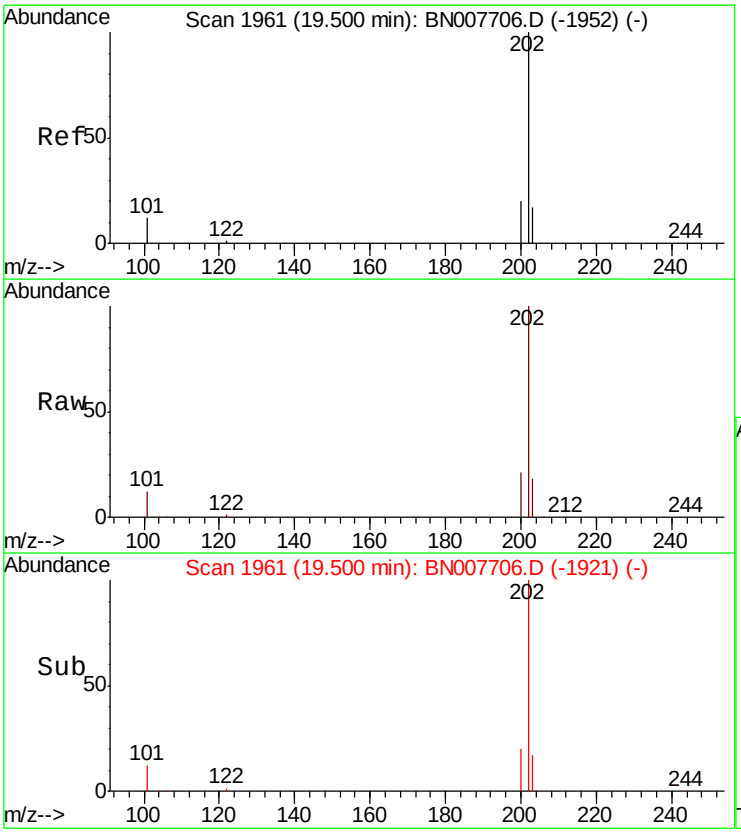
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 35096

Ion	Ratio	Lower	Upper
240	100		
120	6.8	5.4	8.2
236	26.2	21.0	31.4

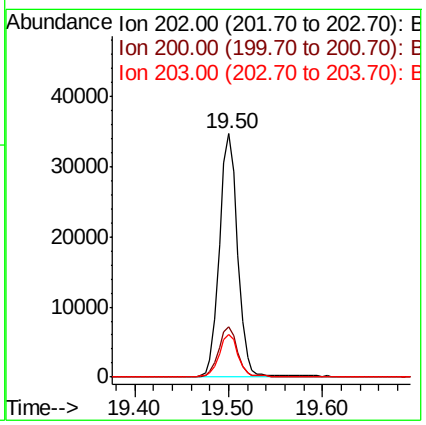


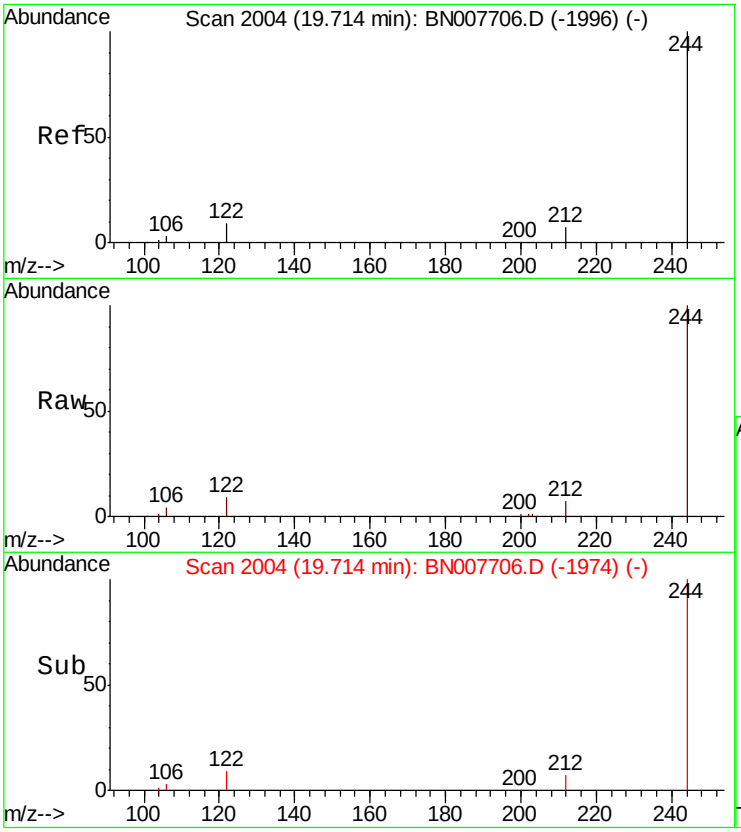


#28
Pyrene
Concen: 0.366 ng
RT: 19.50 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:202 Resp: 46188

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.6	14.1	21.1



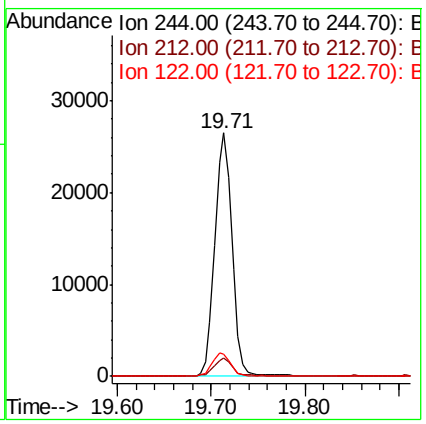


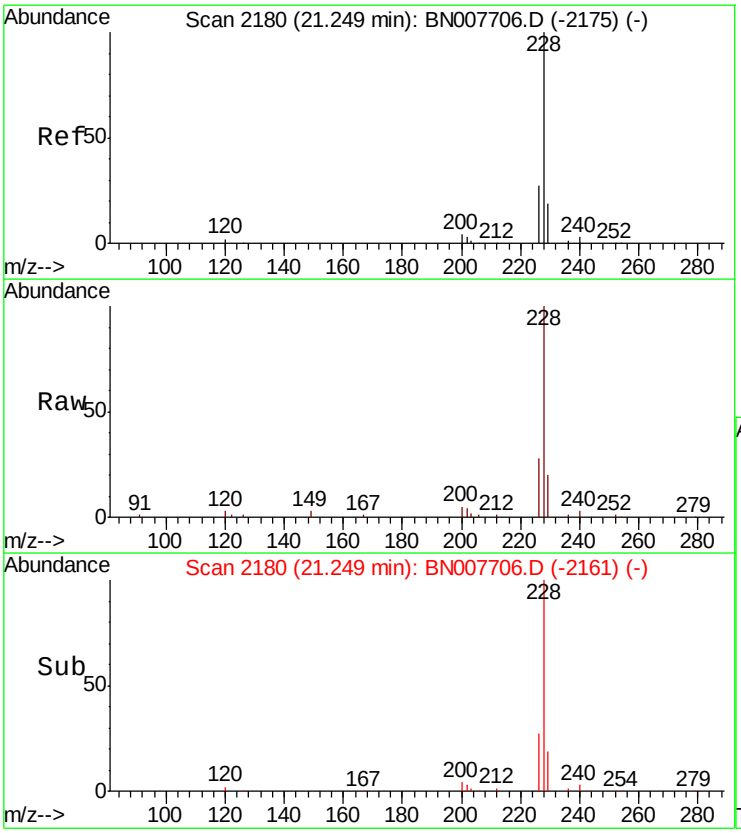
#29
Terphenyl-d14
Concen: 0.365 ng
RT: 19.71 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 33312

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	9.3	7.4	11.2

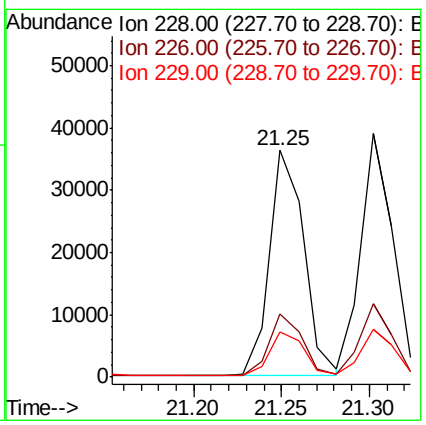


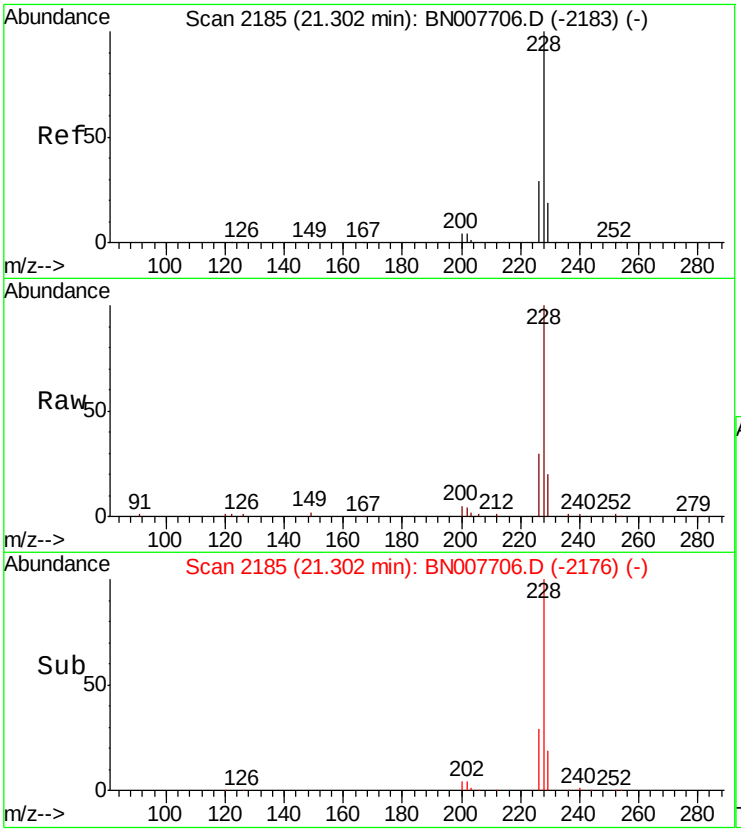


#30
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.25 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:228 Resp: 49696

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.7	15.8	23.6



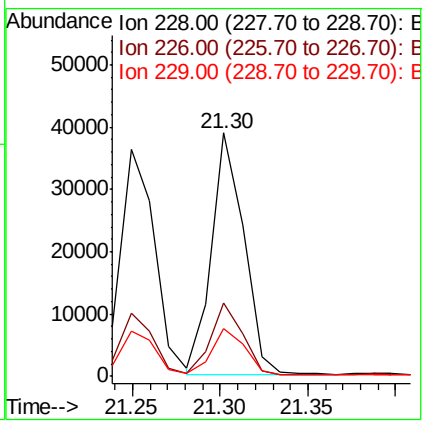


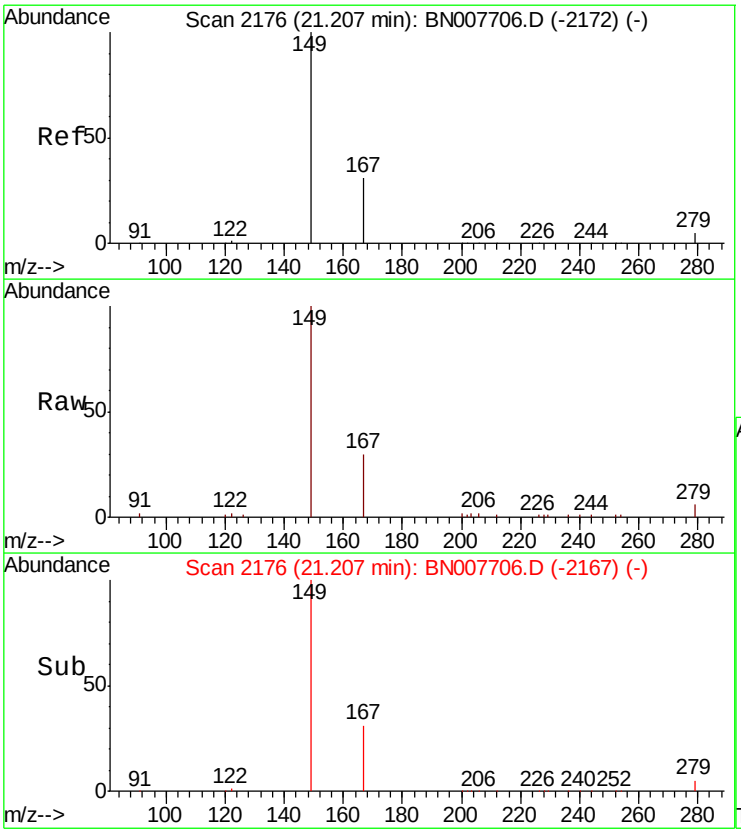
#31
Chrysene
Concen: 0.386 ng
RT: 21.30 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 49241

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.7	15.8	23.6

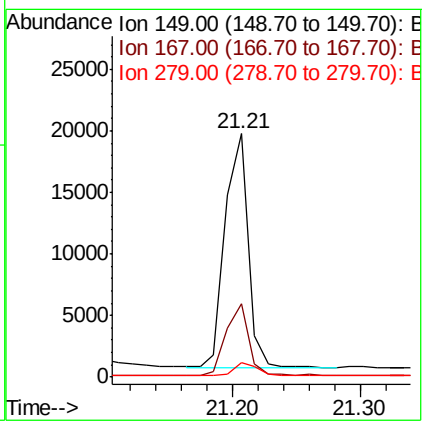


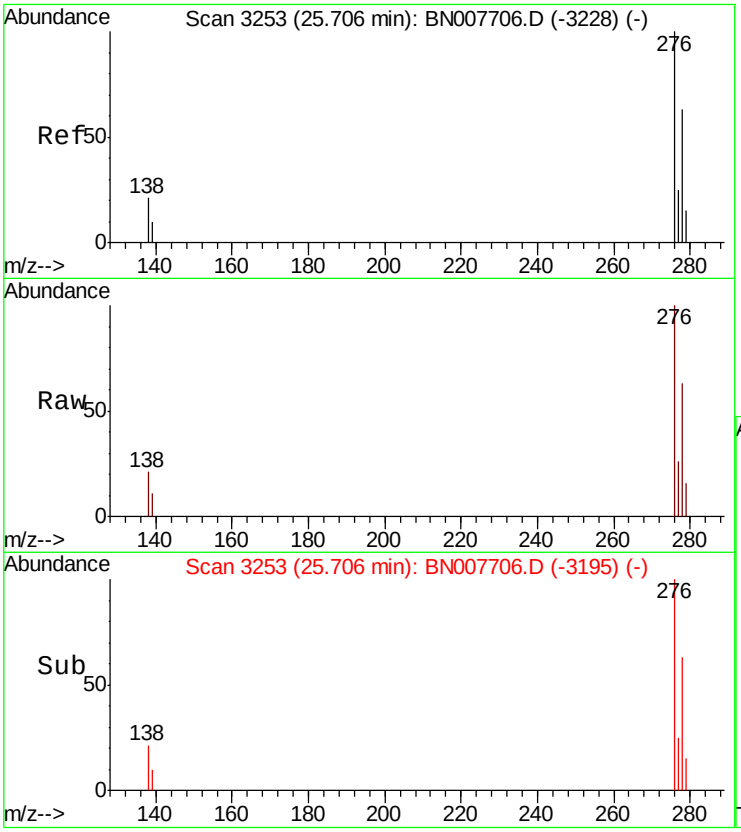


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.555 ng
RT: 21.21 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:149 Resp: 23833

Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.7	35.5
279	5.3	4.2	6.2



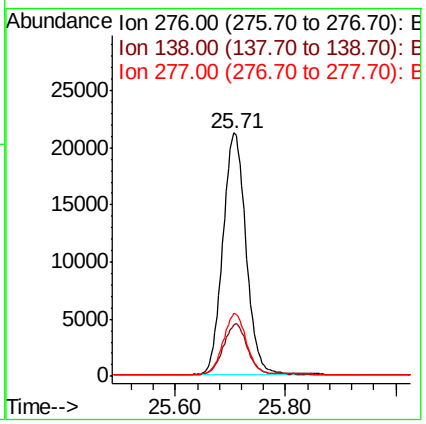


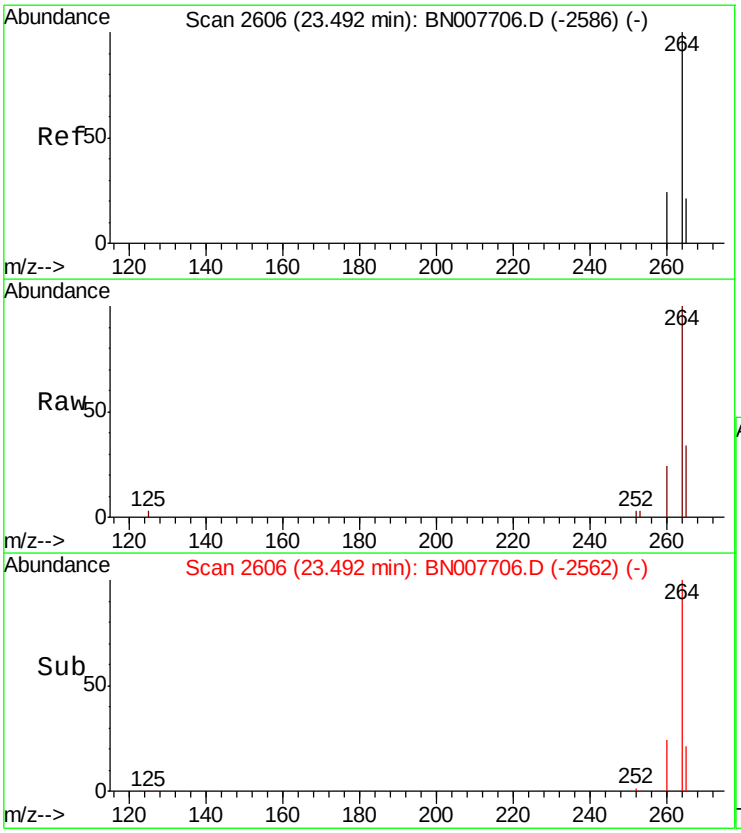
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.457 ng
RT: 25.71 min Scan# 3253
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 61648

Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.1	25.7
277	25.0	20.0	30.0

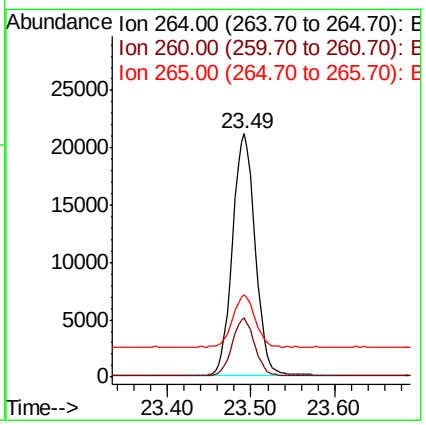


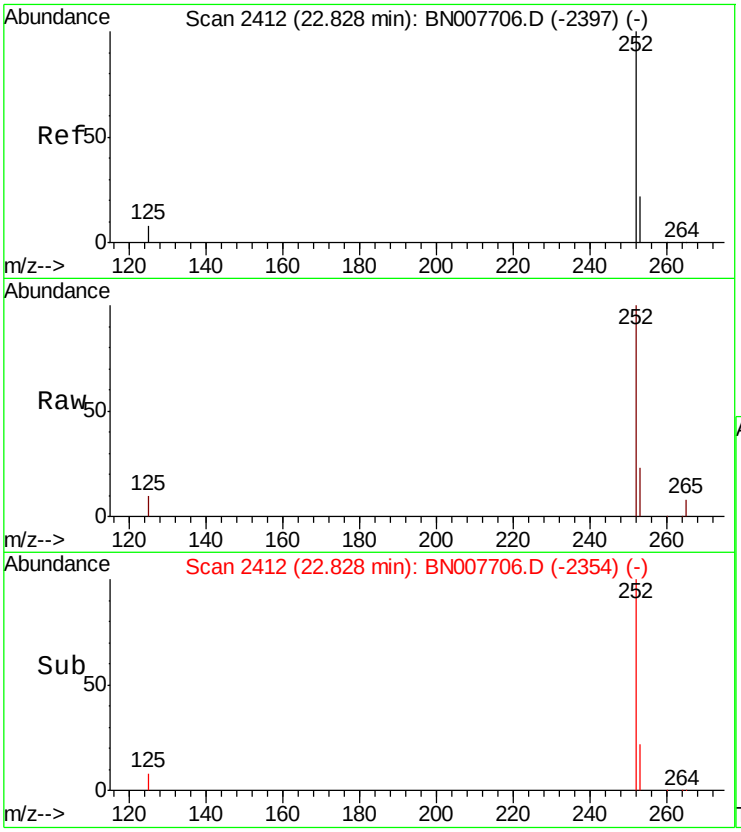


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2606
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:264 Resp: 39512

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	33.6	26.9	40.3



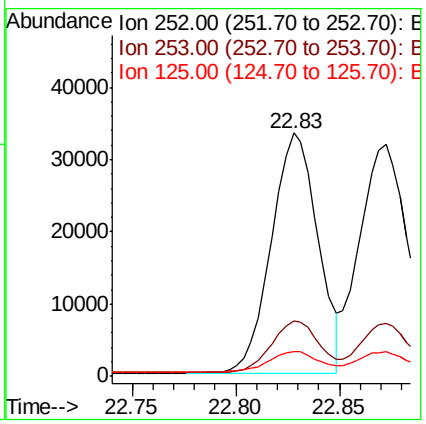


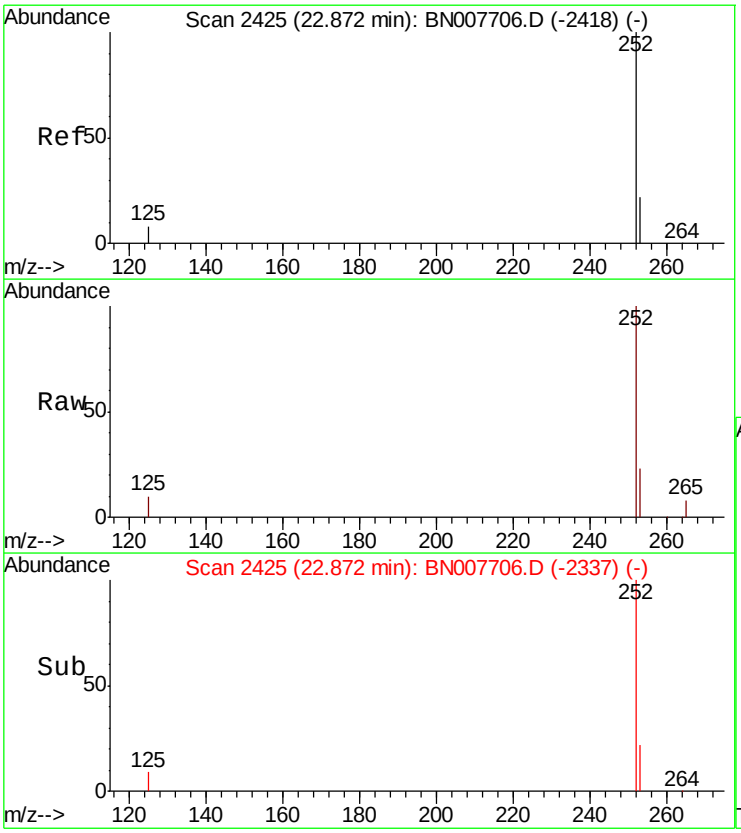
#35
Benzo(b)fluoranthene
Concen: 0.368 ng
RT: 22.83 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 51703

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	10.3	8.2	12.4

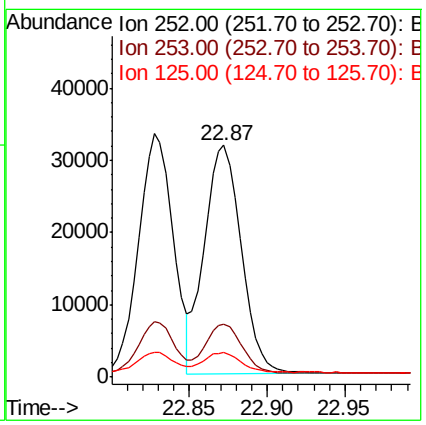


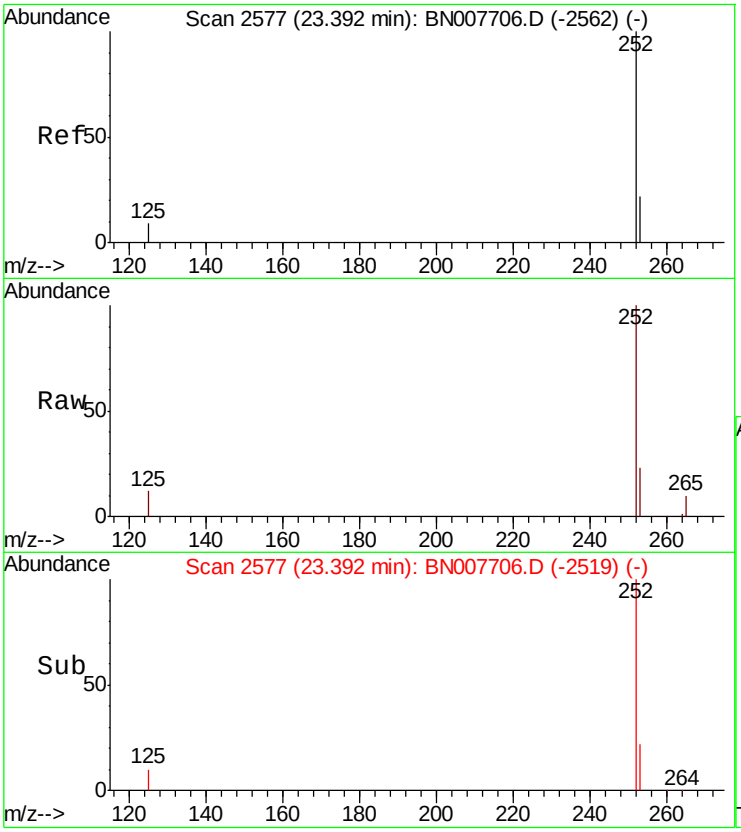


#36
Benzo(k)fluoranthene
Concen: 0.375 ng
RT: 22.87 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:252 Resp: 52045

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	10.5	8.4	12.6



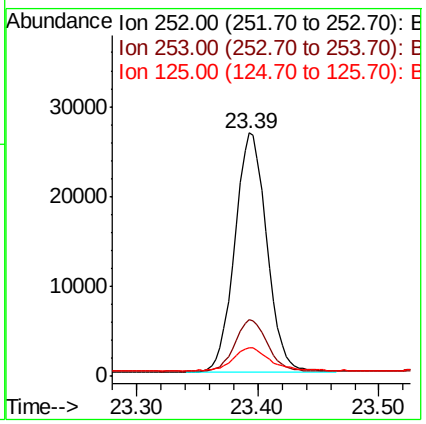


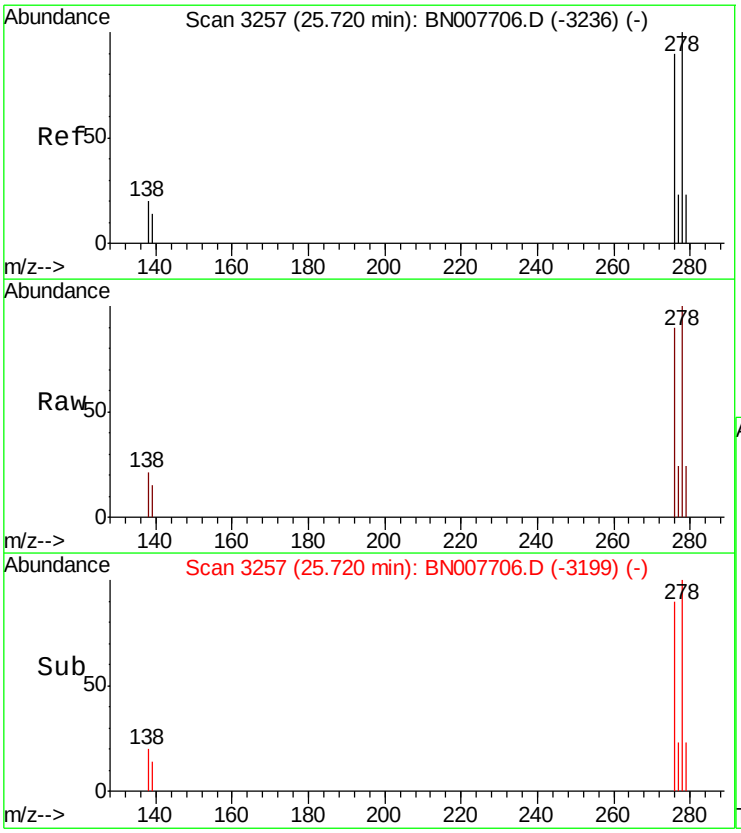
#37
Benzo(a)pyrene
Concen: 0.392 ng
RT: 23.39 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 48997

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	11.7	9.4	14.0

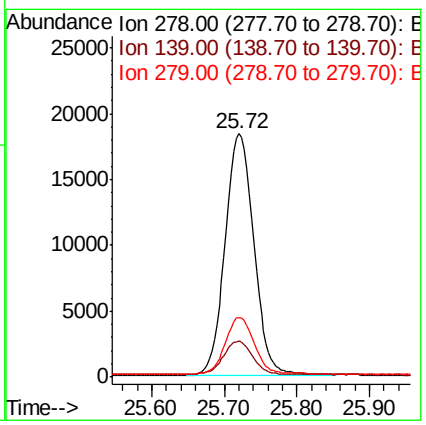


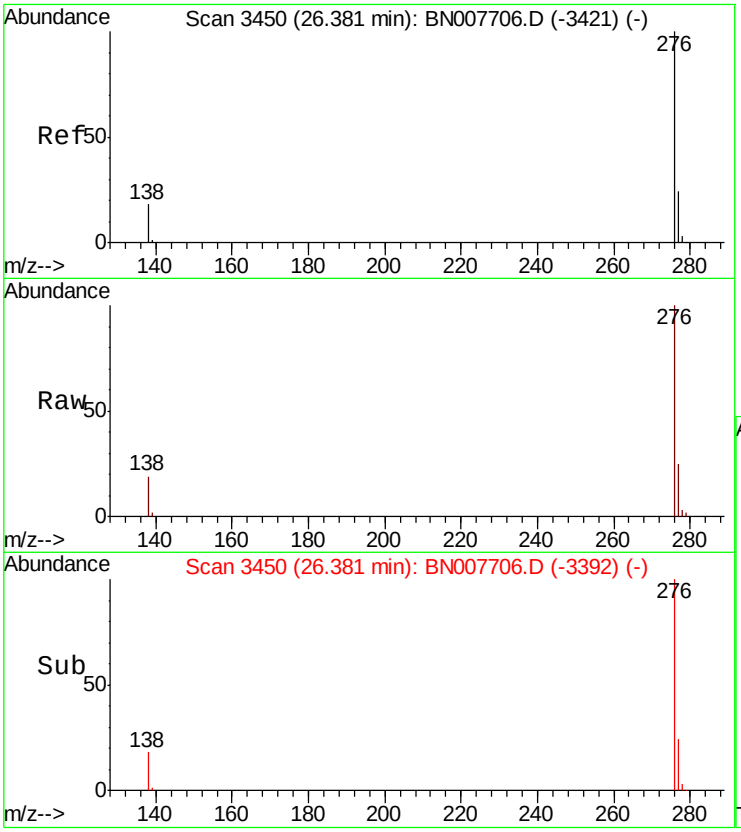


#38
Dibenzo(a,h)anthracene
Concen: 0.402 ng
RT: 25.72 min Scan# 3257
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Tgt Ion:278 Resp: 50433

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.8	17.6
279	24.3	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 26.38 min Scan# 3450
Delta R.T. 0.00 min
Lab File: BN007706.D
Acq: 18 Sep 2019 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 50084

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	18.9	15.1	22.7