Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
Data File : BN007880.D
Acq On : 26 Sep 2019 08:05
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Sep 26 08:43:15 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 18:24:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	8126	0.40	ng		0.00
7) Naphthalene-d8	10.46	136	31346	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	18071	0.40	ng		-0.01
19) Phenanthrene-d10	17.06	188	35021	0.40	ng		-0.01
27) Chrysene-d12	21.26	240	37262	0.40	ng		-0.01
34) Perylene-d12	23.47	264	40982	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	9996	0.36	ng		0.00
5) Phenol-d6	6.87	99	13046	0.37	ng		0.00
8) Nitrobenzene-d5	8.83	82	11471	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	12.05	152	22089	0.42	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	3274	0.33	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	30364	0.41	ng		-0.01
25) Fluoranthene-d10	19.09	212	47011	0.40	ng		-0.01
29) Terphenyl-d14	19.70	244	39279	0.43	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	3612	0.399	ng	#	85
3) n-Nitrosodimethylamine	3.00	42	2145	0.517	ng	#	85
6) bis(2-Chloroethyl)ether	7.13	93	9673	0.420	ng		97
9) Naphthalene	10.51	128	37601	0.427	ng		100
10) Hexachlorobutadiene	10.81	225	8239	0.445	ng	#	100
12) 2-Methylnaphthalene	12.13	142	24984	0.420	ng		99
16) Acenaphthylene	14.03	152	45496	0.475	ng		100
17) Acenaphthene	14.38	154	23761	0.385	ng		96
18) Fluorene	15.36	166	31376	0.396	ng		100
20) 4-Bromophenyl-phenylether	16.26	248	9562	0.450	ng		99
21) Hexachlorobenzene	16.38	284	10781	0.464	ng		97
22) Pentachlorophenol	16.72	266	3609	0.421	ng		97
23) Phenanthrene	17.10	178	46214	0.424	ng		100
24) Anthracene	17.19	178	42806	0.434	ng		99
26) Fluoranthene	19.12	202	54522	0.402	ng		100
28) Pyrene	19.49	202	56529	0.445	ng		99
30) Benzo(a)anthracene	21.24	228	58169	0.424	ng		99
31) Chrysene	21.29	228	56620	0.423	ng		100
32) Bis(2-ethylhexyl)phthalate	21.19	149	28922	0.410	ng		100
33) Indeno(1,2,3-cd)pyrene	25.68	276	66649	0.398	ng		99
35) Benzo(b)fluoranthene	22.81	252	58857	0.414	ng		99
36) Benzo(k)fluoranthene	22.86	252	57052	0.406	ng		100
37) Benzo(a)pyrene	23.38	252	54819	0.410	ng		99
38) Dibenzo(a,h)anthracene	25.70	278	53957	0.394	ng		98
39) Benzo(g,h,i)perylene	26.35	276	54946	0.406	ng		99

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

Quantitation Report (QT Reviewed)

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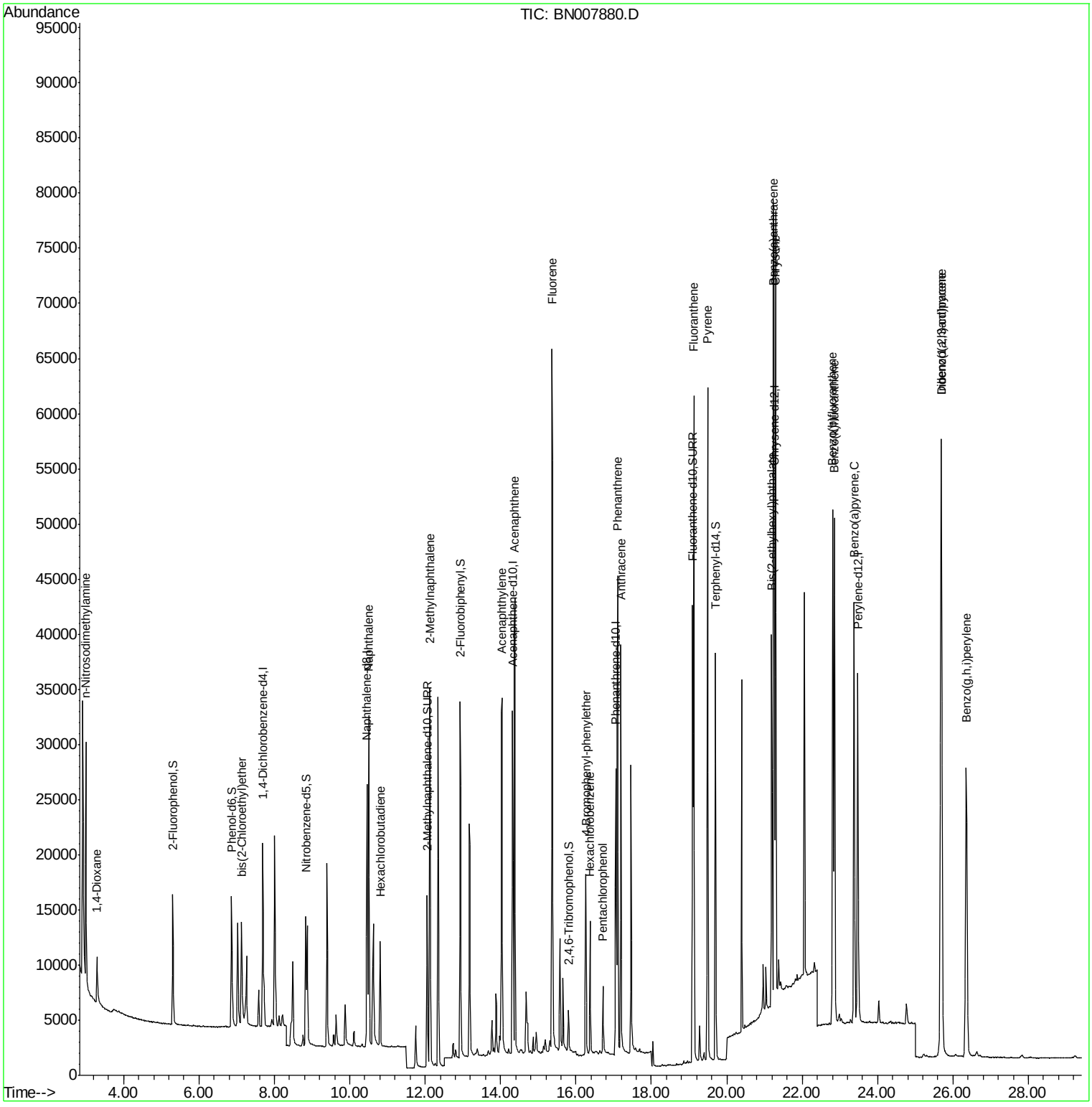
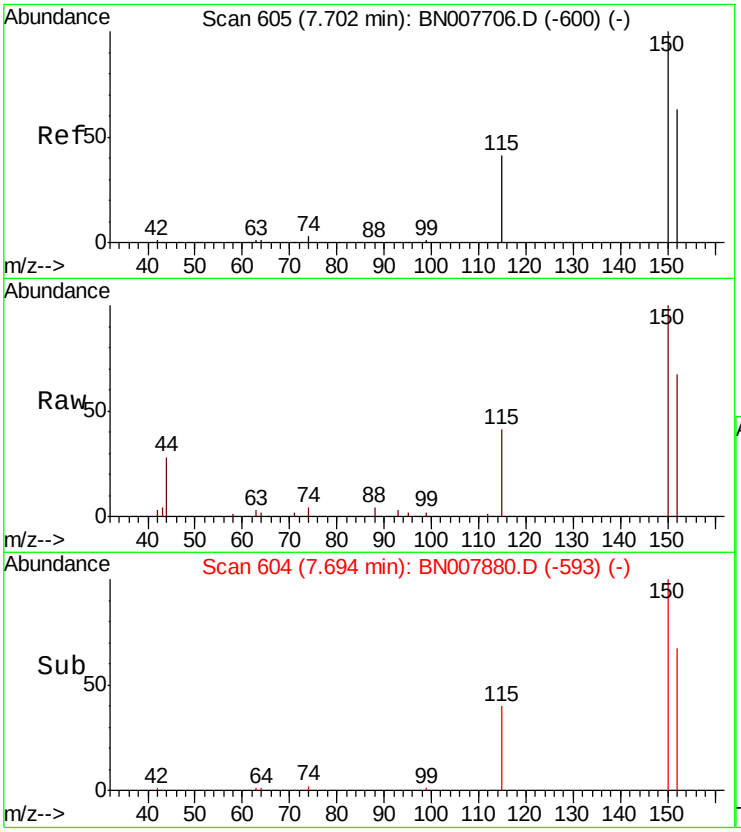
Acq On : 26 Sep 2019 08:05
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Sep 26 08:43:15 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 18:24:40 2019
Response via : Initial Calibration



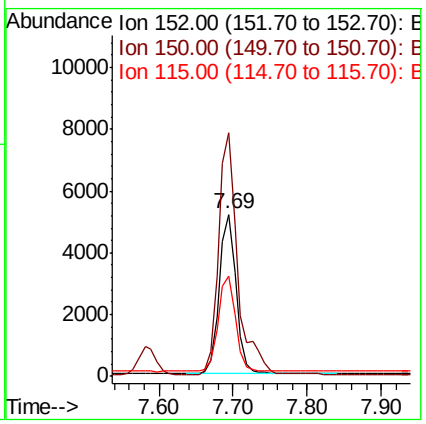


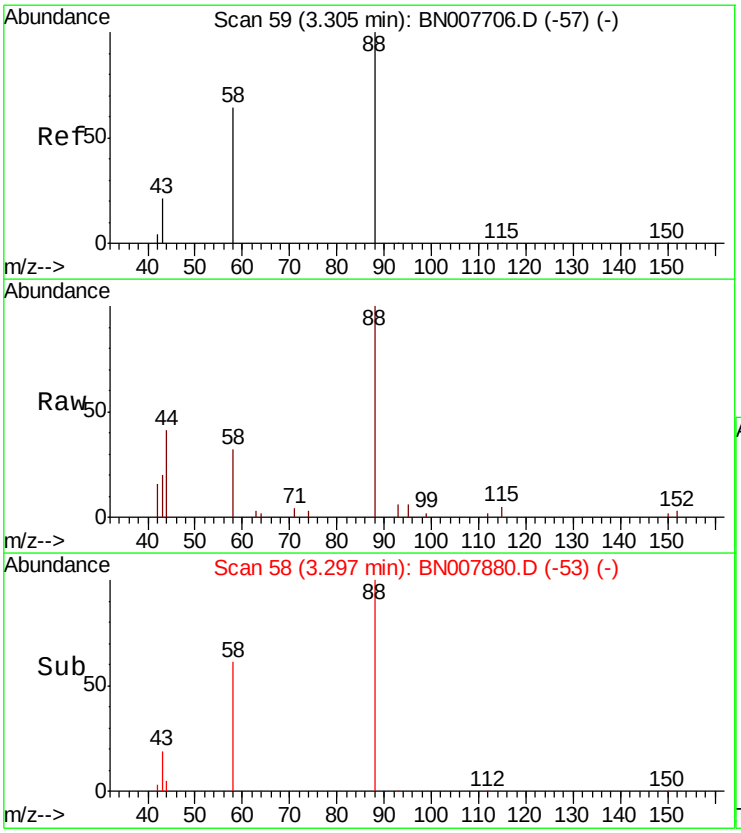
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8126

Ion	Ratio	Lower	Upper
152	100		
150	150.3	125.6	188.4
115	62.1	53.3	79.9

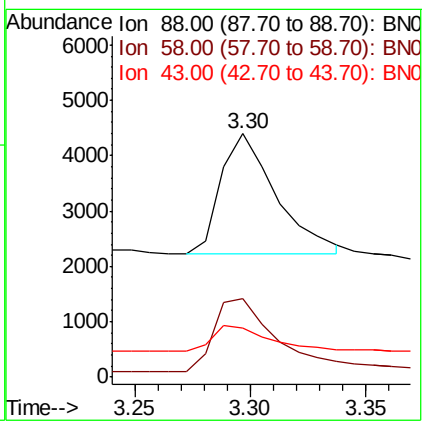


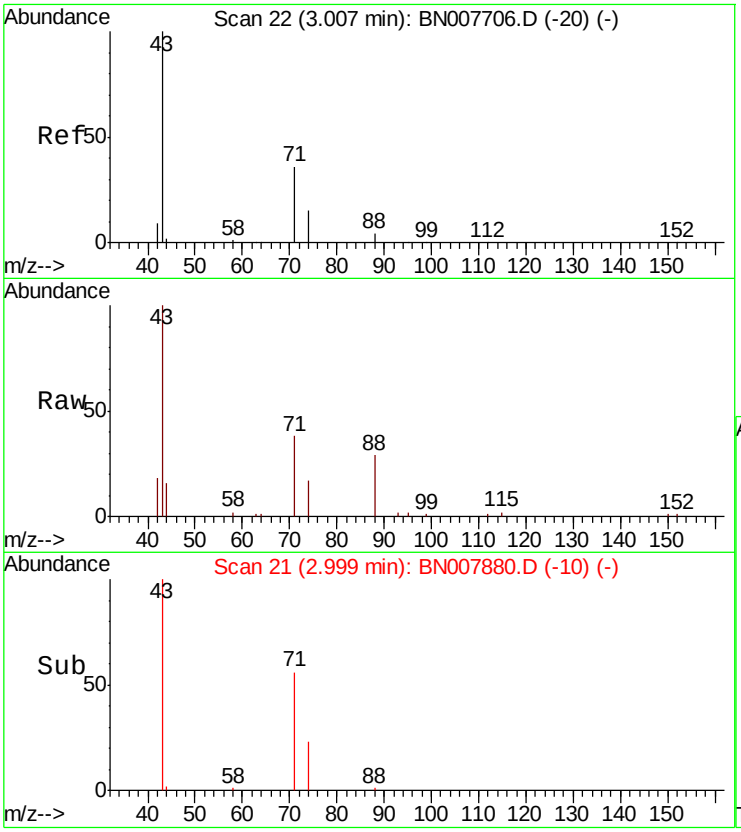


#2
1,4-Dioxane
Concen: 0.399 ng
RT: 3.30 min Scan# 58
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion: 88 Resp: 3612

Ion	Ratio	Lower	Upper
88	100		
58	68.5	44.6	66.8#
43	20.7	14.4	21.6



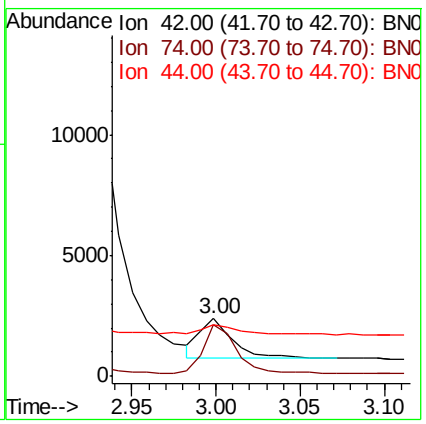


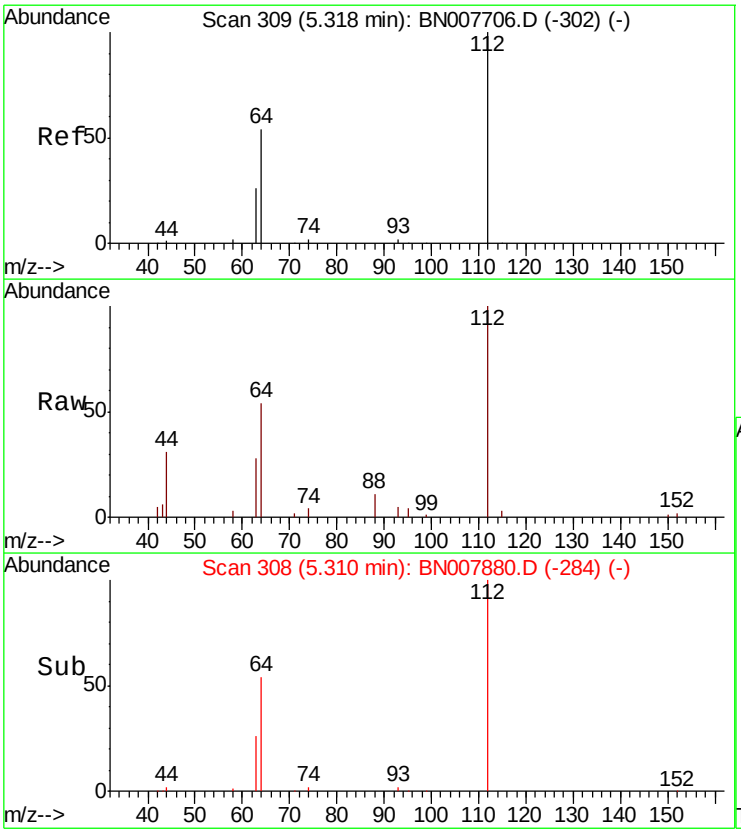
#3
n-Nitrosodimethylamine
Concen: 0.517 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2145

Ion	Ratio	Lower	Upper
42	100		
74	125.6	87.9	131.9
44	26.7	29.4	44.0#

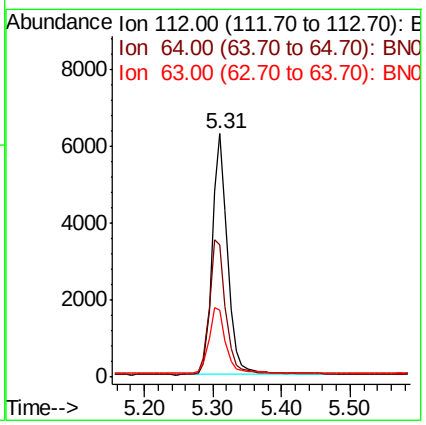


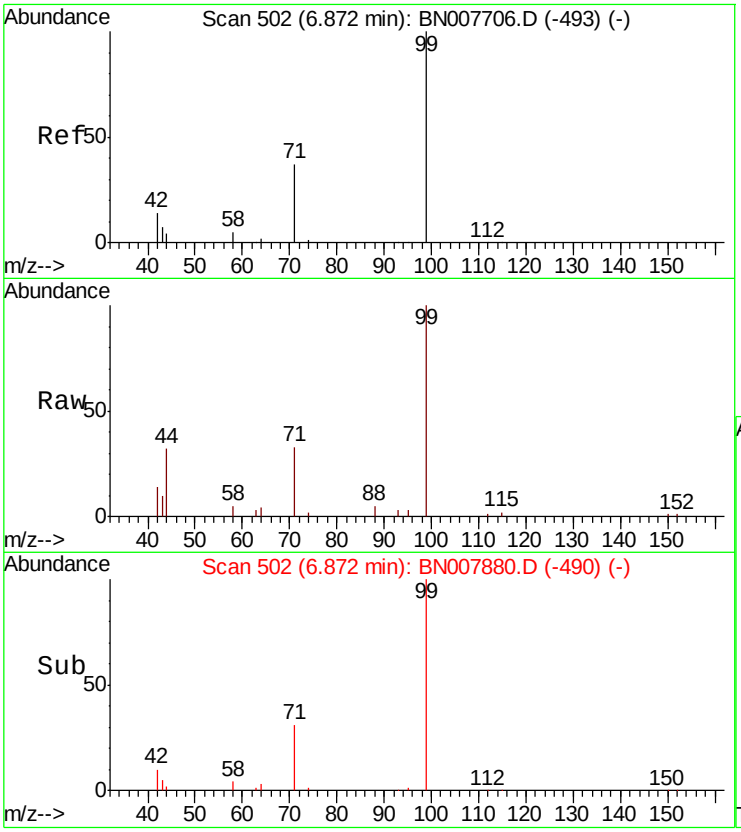


#4
2-Fluorophenol
Concen: 0.357 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:112 Resp: 9996

Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.6	70.0
63	28.9	23.1	34.7



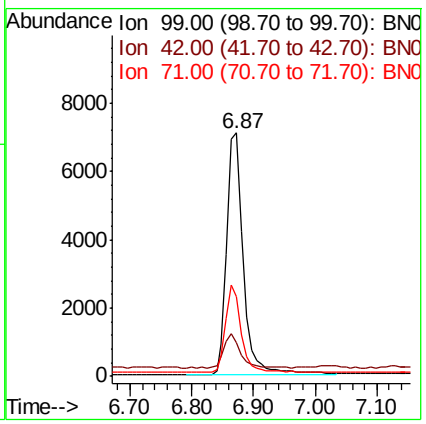


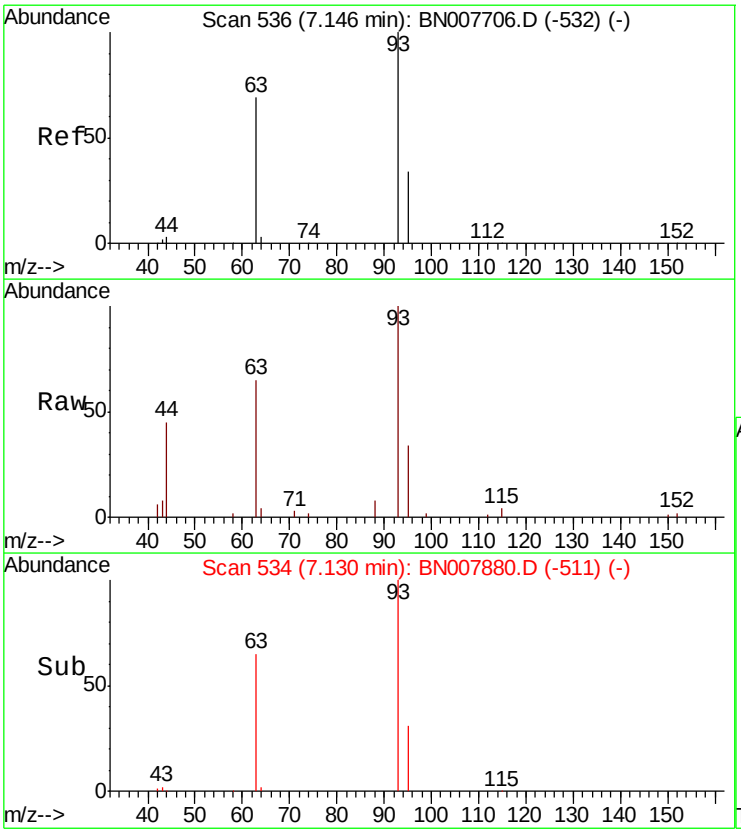
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 13046

Ion	Ratio	Lower	Upper
99	100		
42	13.9	12.8	19.2
71	34.3	27.6	41.4

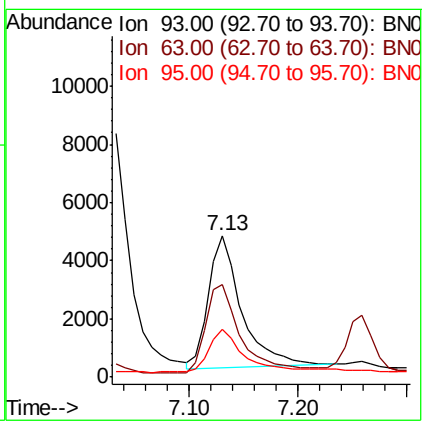


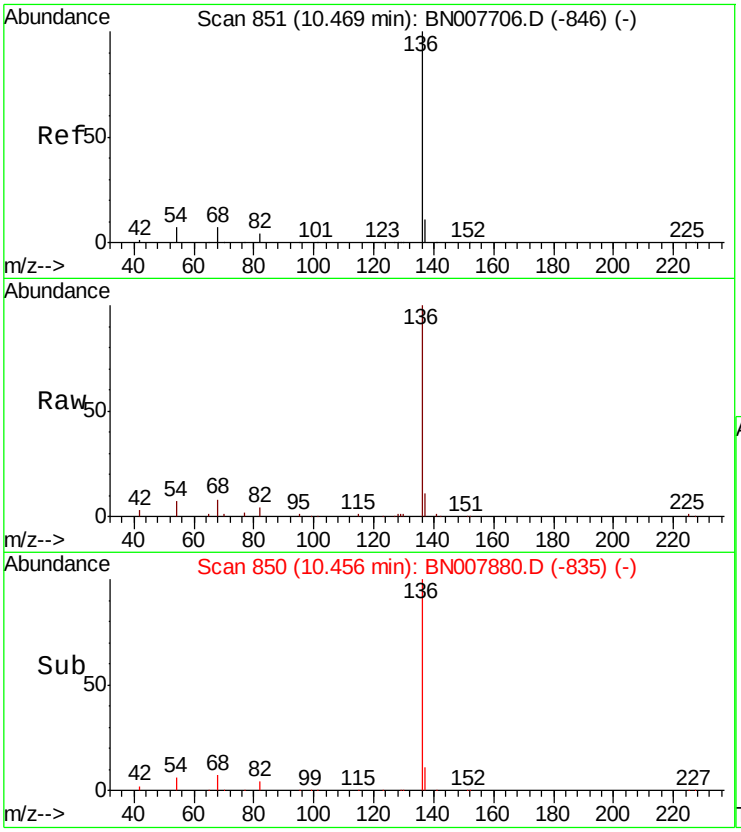


#6
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 7.13 min Scan# 534
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion: 93 Resp: 9673

Ion	Ratio	Lower	Upper
93	100		
63	72.1	59.3	88.9
95	37.0	31.4	47.0



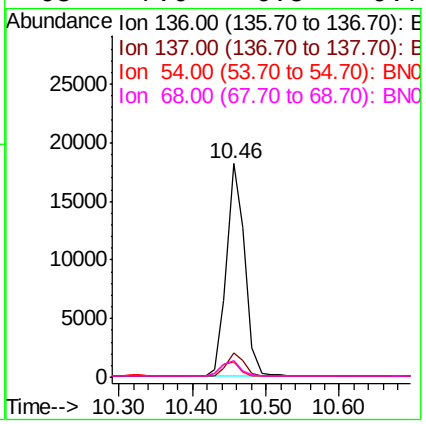


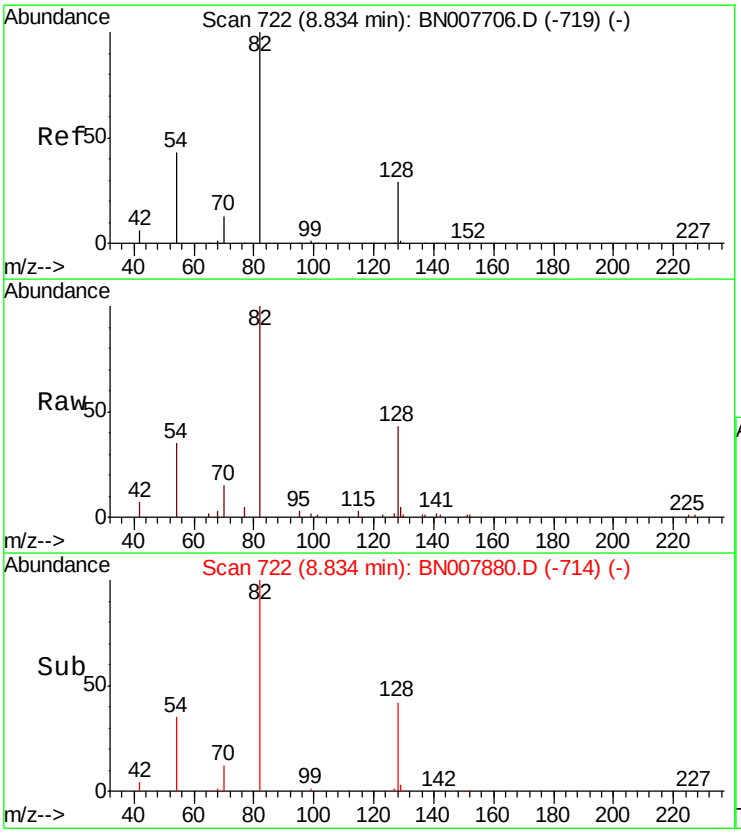
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 31346

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	7.0	5.8	8.8
68	7.6	6.5	9.7

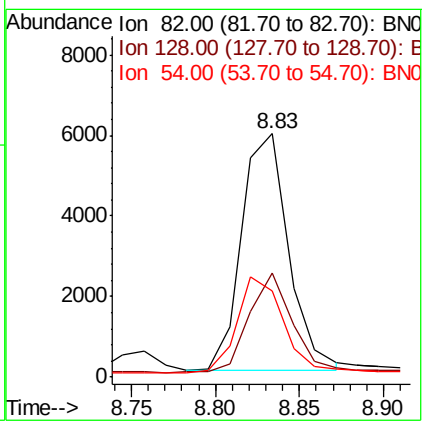


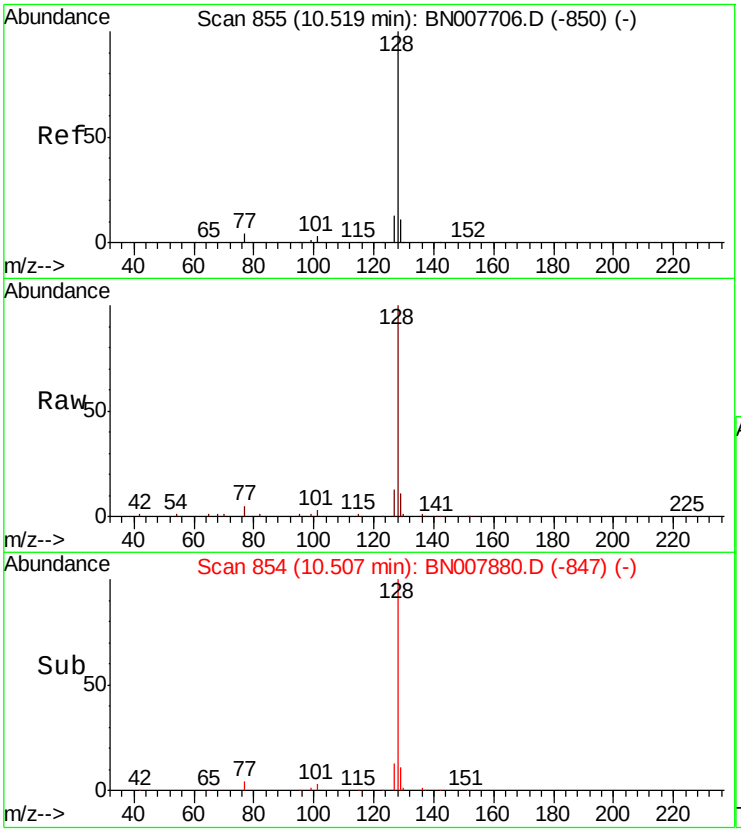


#8
Nitrobenzene-d5
Concen: 0.418 ng
RT: 8.83 min Scan# 722
Delta R.T. -0.00 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion: 82 Resp: 11471

Ion	Ratio	Lower	Upper
82	100		
128	42.7	24.5	36.7#
54	35.3	35.2	52.8



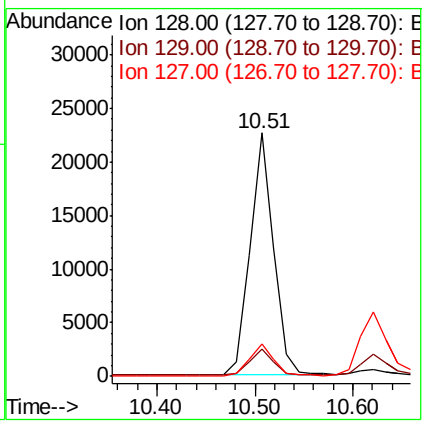


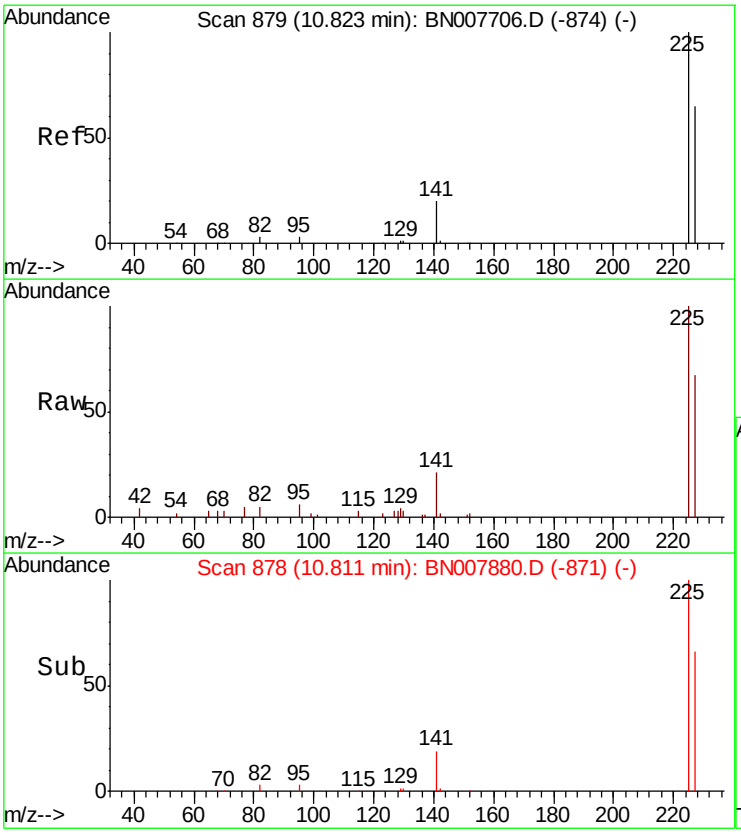
#9
Naphthalene
Concen: 0.427 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 37601

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.3	10.6	15.8

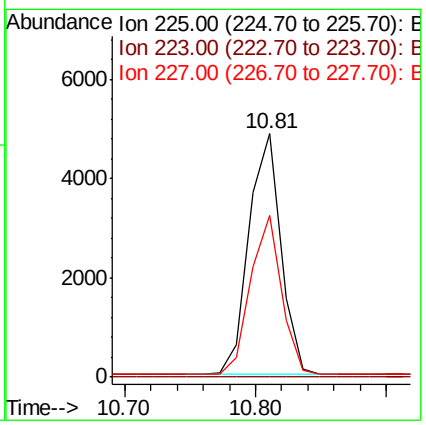


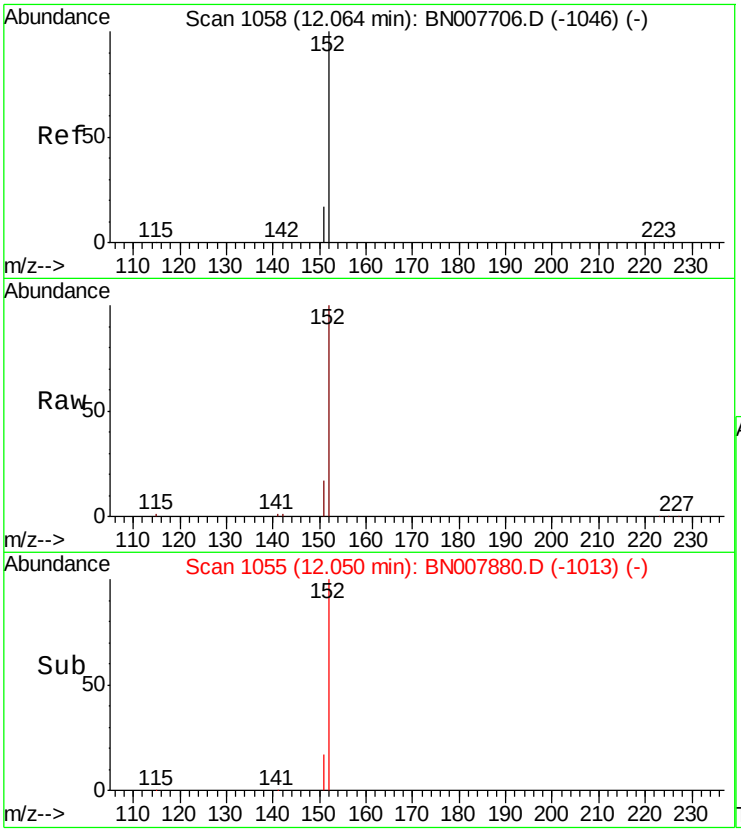


#10
Hexachlorobutadiene
Concen: 0.445 ng
RT: 10.81 min Scan# 878
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:225 Resp: 8239

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.2	76.8



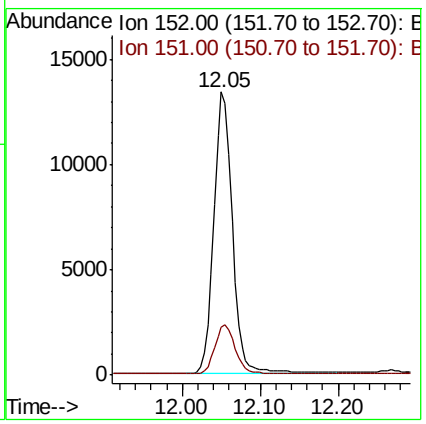


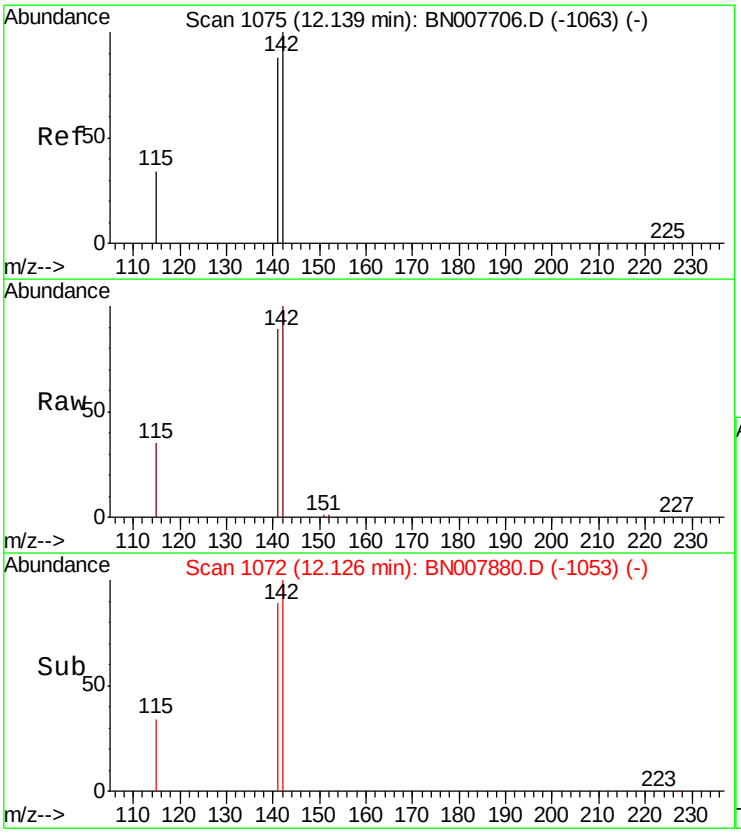
#11
2-Methylnaphthalene-d10
Concen: 0.418 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 22089

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2

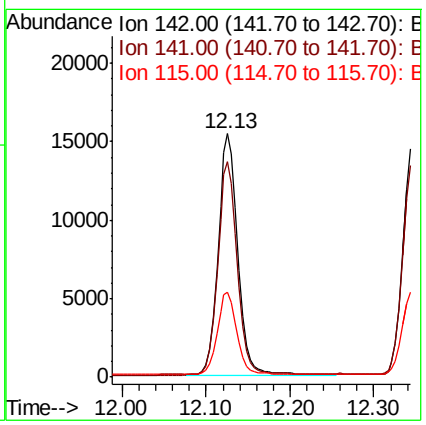


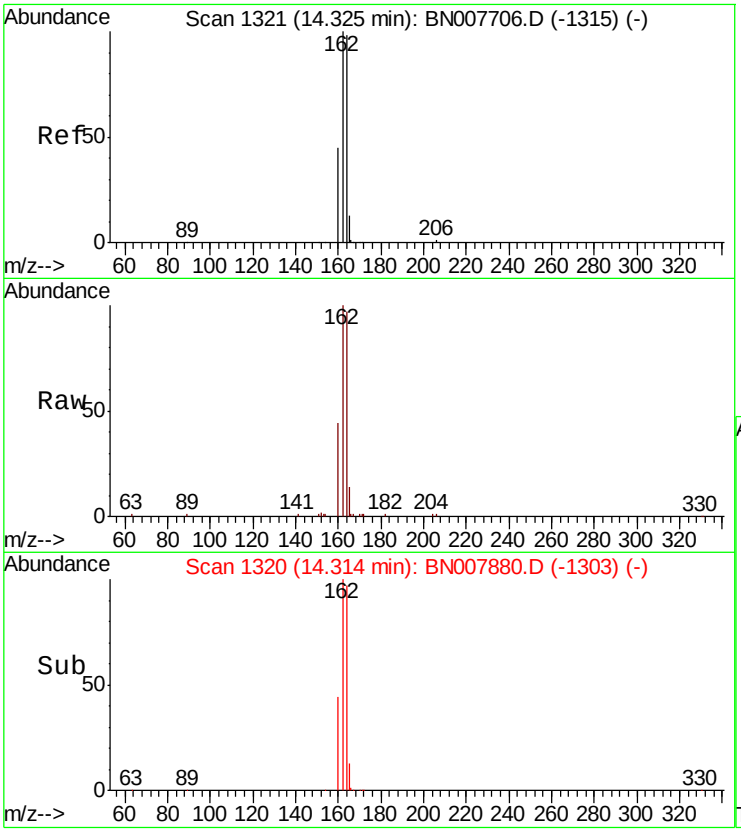


#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:142 Resp: 24984

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.6	106.0
115	34.7	28.3	42.5



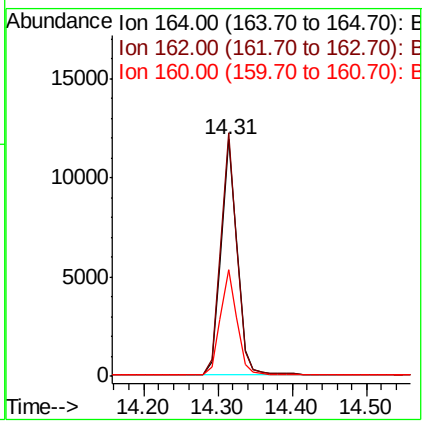


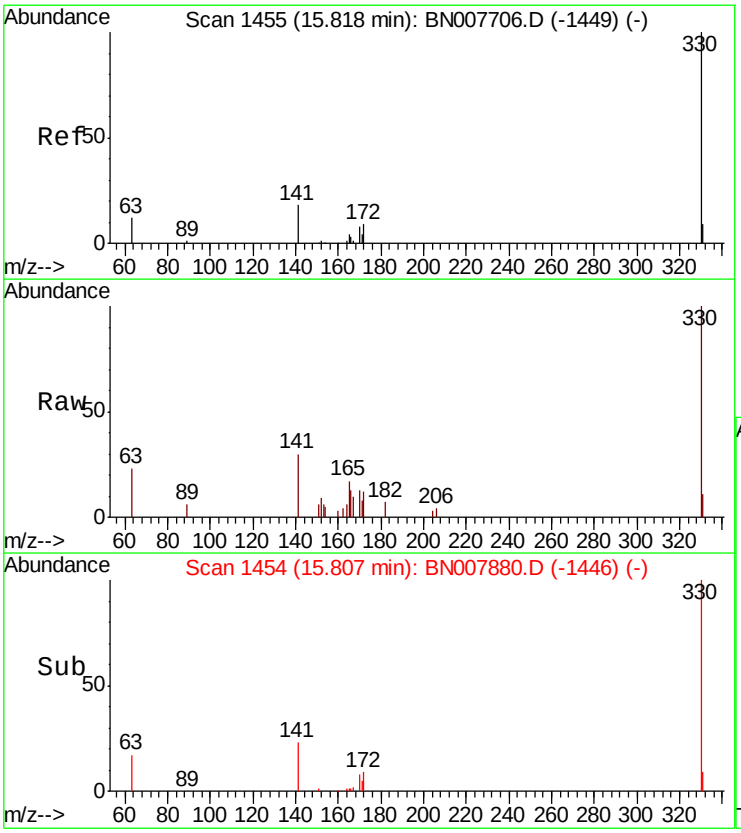
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 18071

Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.7	122.5
160	45.3	37.0	55.4

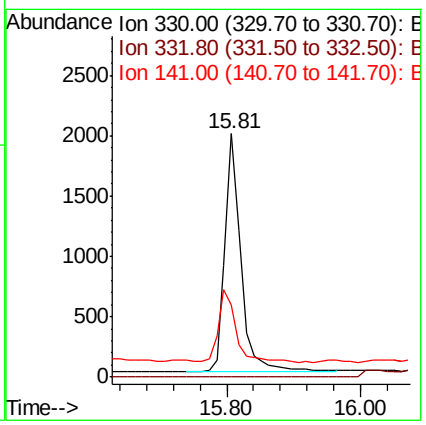


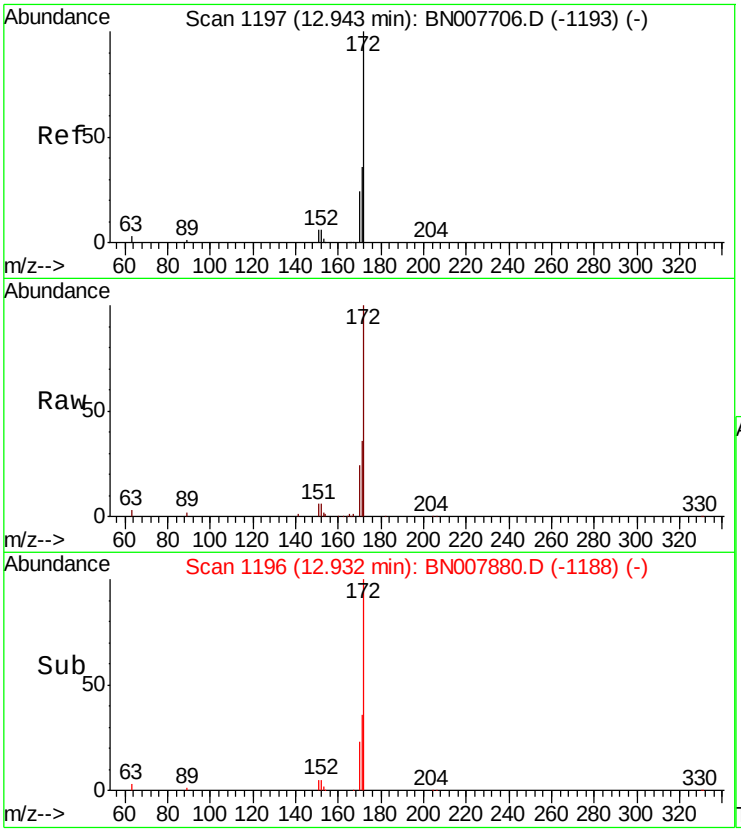


#14
2,4,6-Tribromophenol
Concen: 0.333 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:330 Resp: 3274

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.6	28.7	43.1



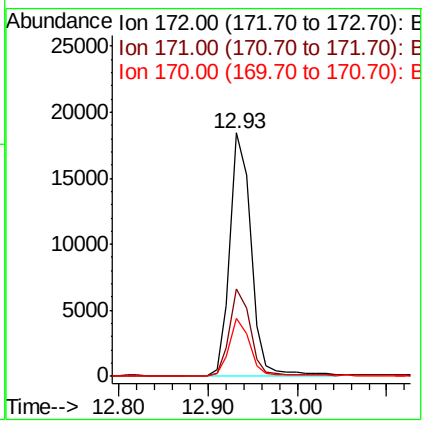


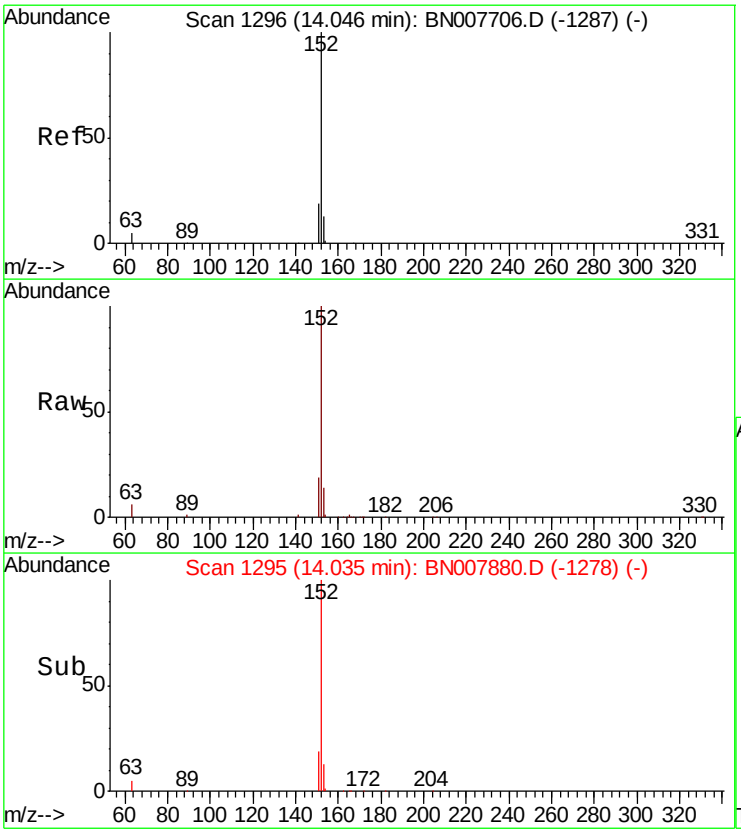
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 30364

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.7	19.5	29.3

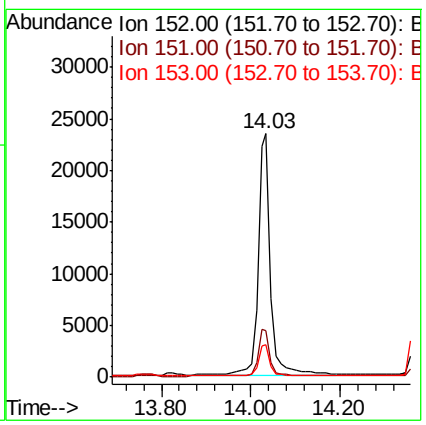


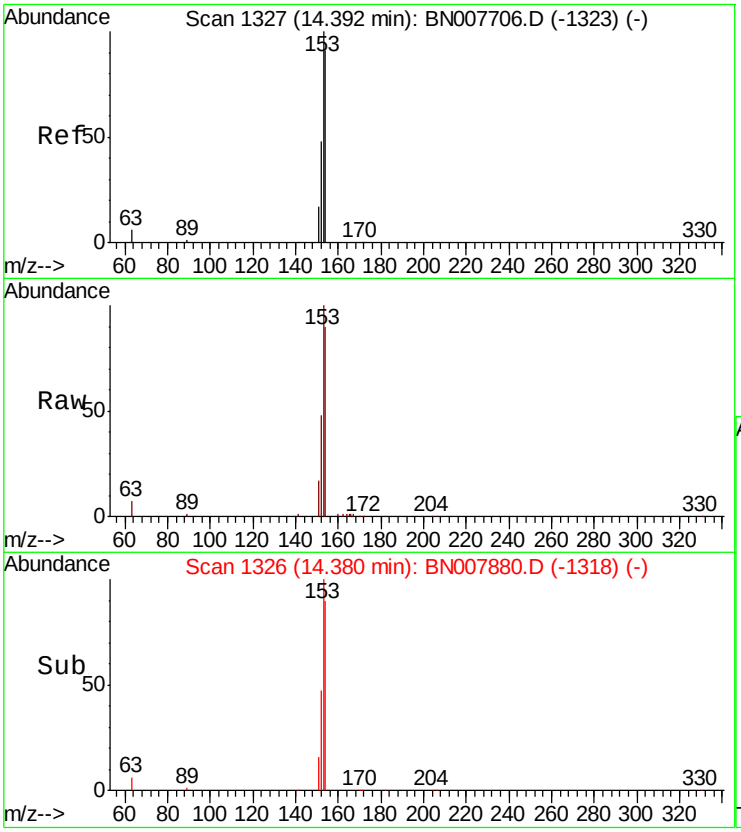


#16
Acenaphthylene
Concen: 0.475 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:152 Resp: 45496

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	12.7	10.4	15.6



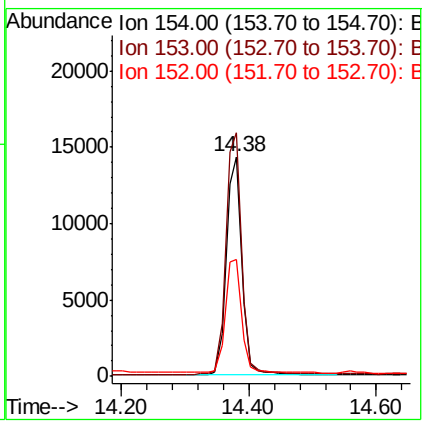


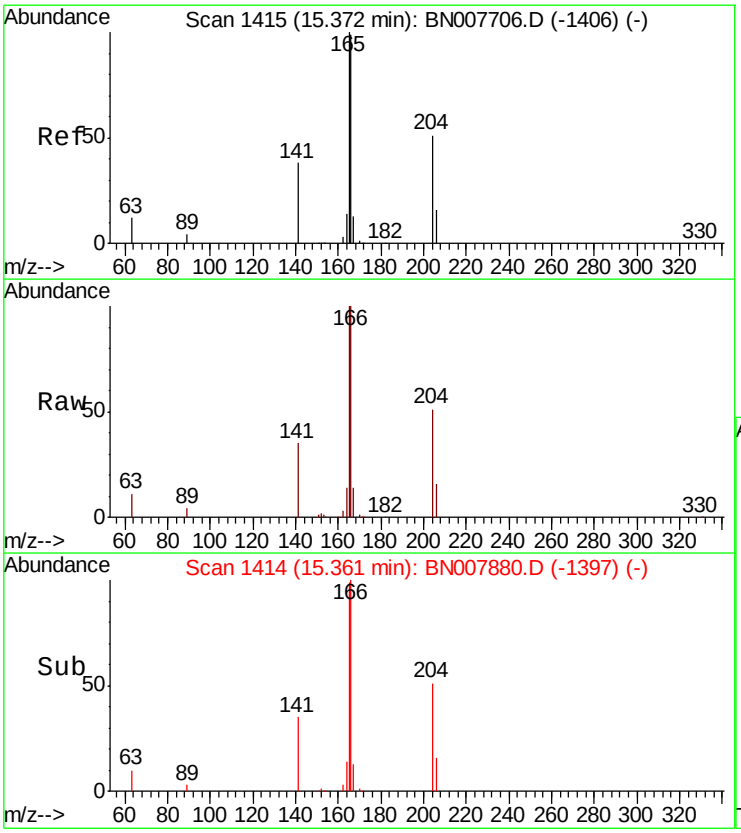
#17
Acenaphthene
Concen: 0.385 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 23761

Ion	Ratio	Lower	Upper
154	100		
153	114.1	87.0	130.4
152	55.5	42.7	64.1

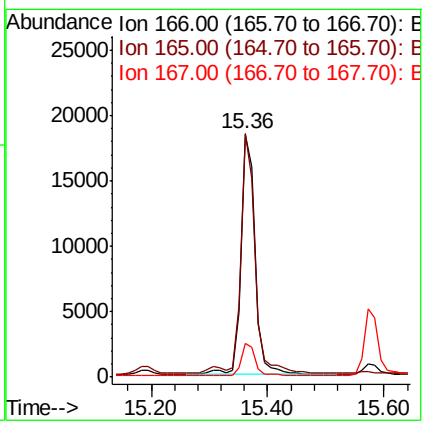


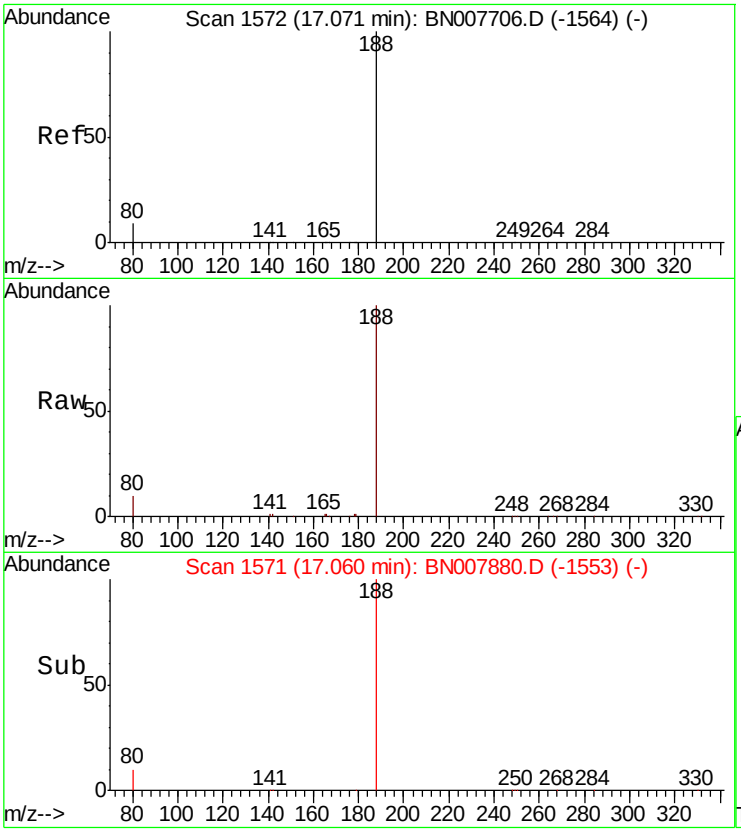


#18
Fluorene
Concen: 0.396 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:166 Resp: 31376

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.0	117.0
167	13.6	10.9	16.3



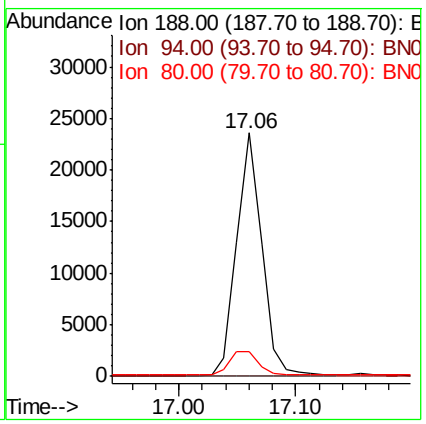


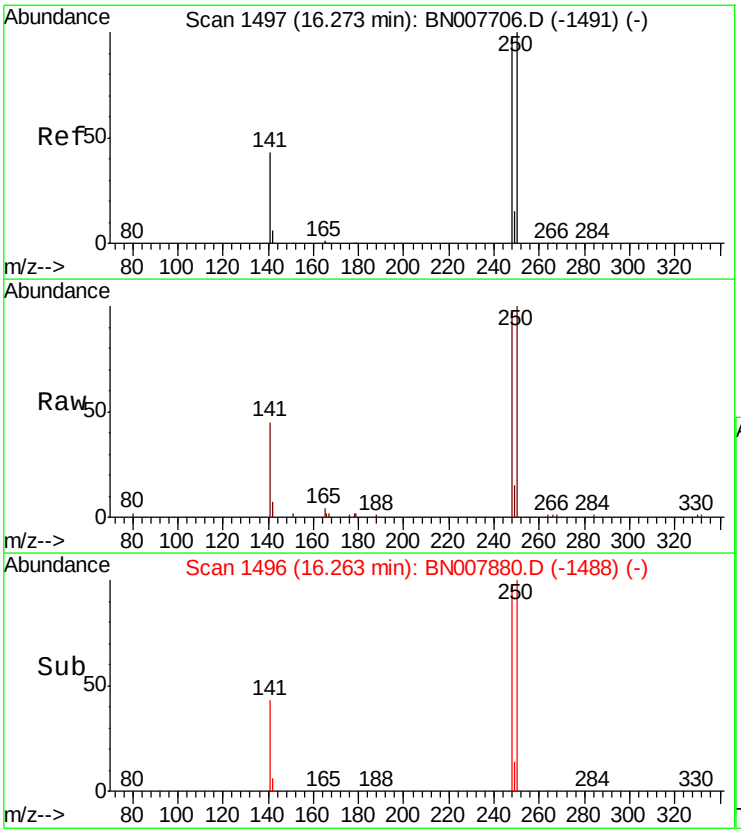
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 35021

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	7.4	11.2

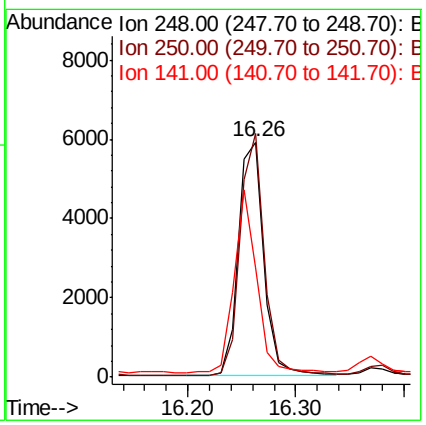


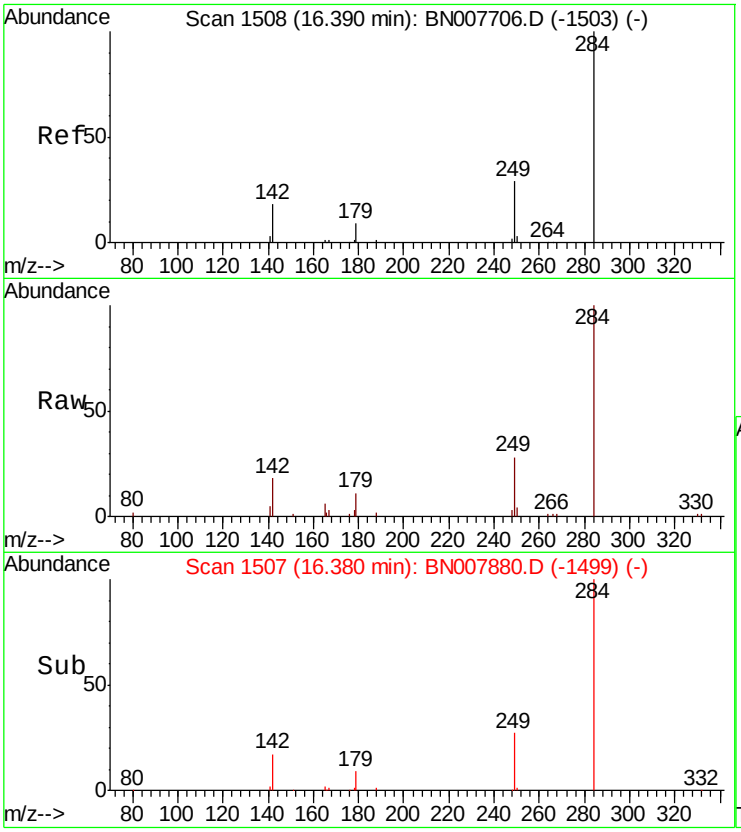


#20
4-Bromophenyl-phenylether
Concen: 0.450 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:248 Resp: 9562

Ion	Ratio	Lower	Upper
248	100		
250	103.6	82.2	123.4
141	46.4	36.3	54.5



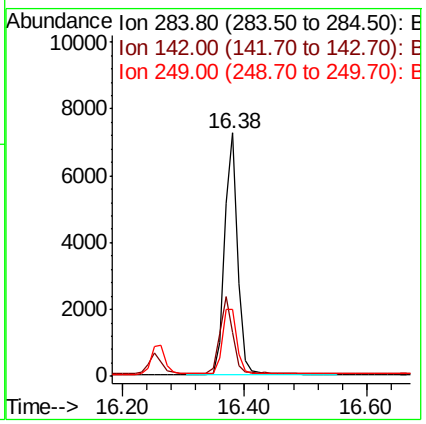


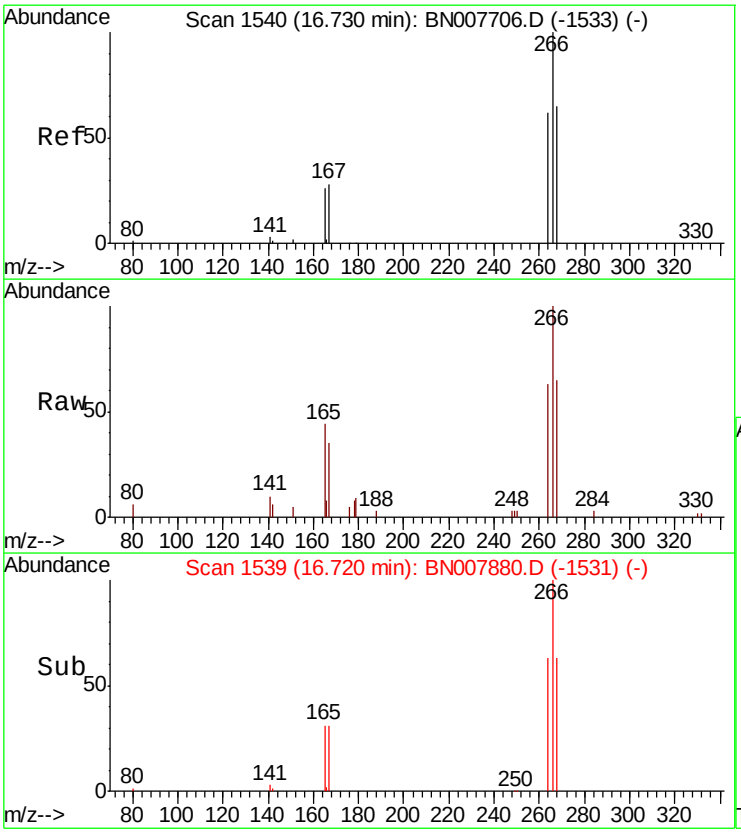
#21
Hexachlorobenzene
Concen: 0.464 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 10781

Ion	Ratio	Lower	Upper
284	100		
142	30.5	25.8	38.6
249	30.4	25.9	38.9

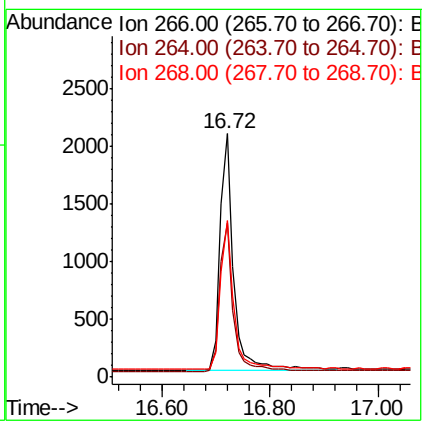


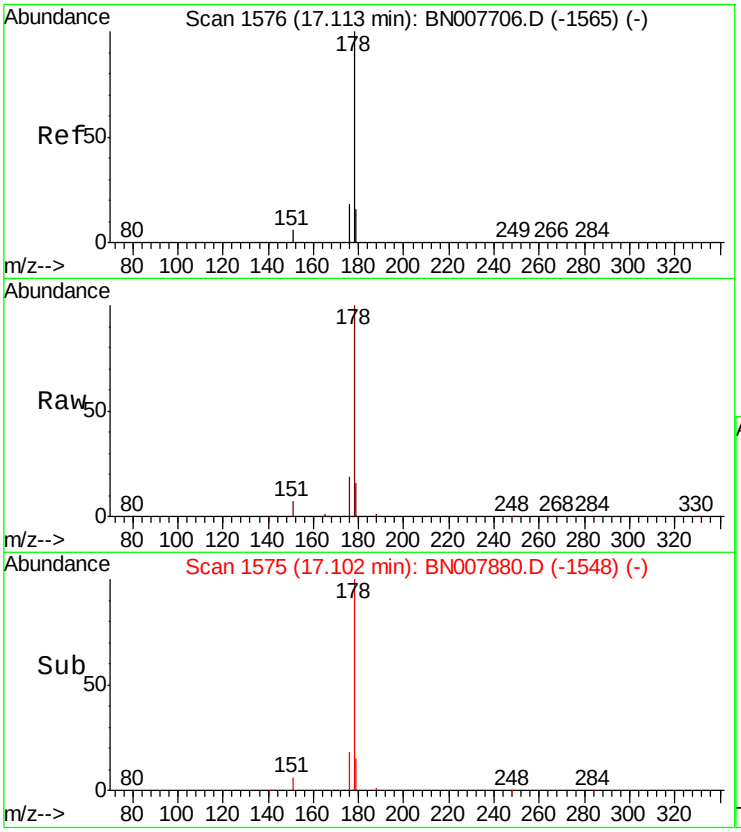


#22
Pentachlorophenol
Concen: 0.421 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:266 Resp: 3609

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.0	75.0
268	64.5	54.2	81.4



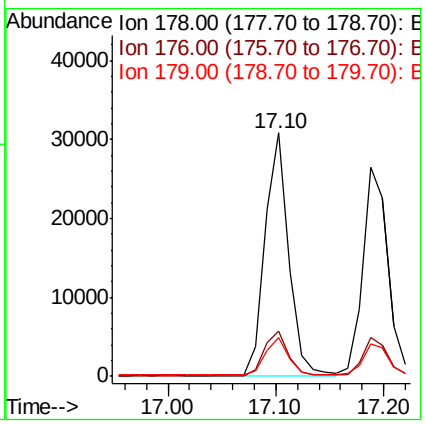


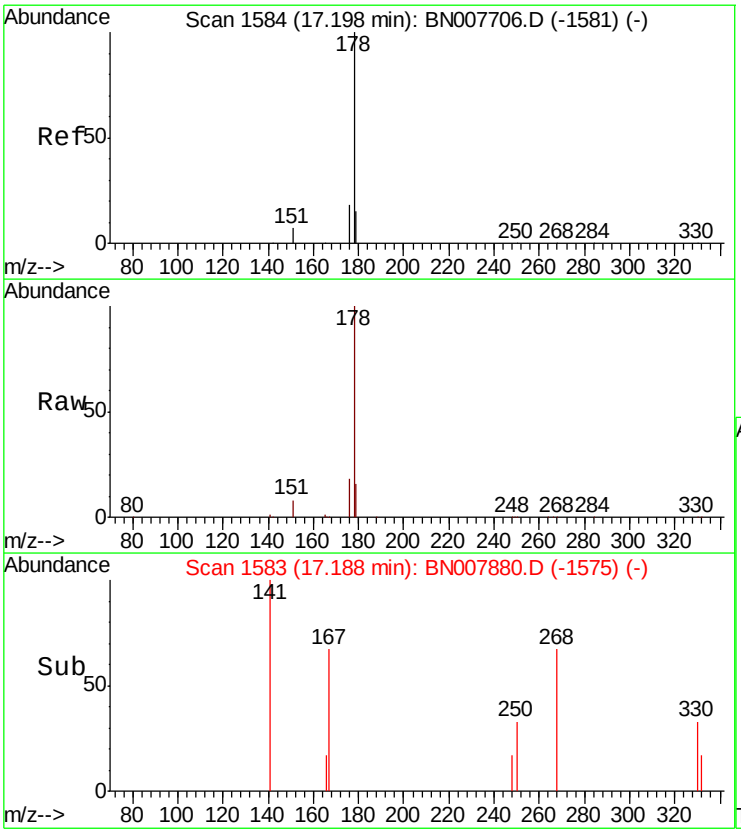
#23
Phenanthrene
Concen: 0.424 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 46214

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.8	12.5	18.7

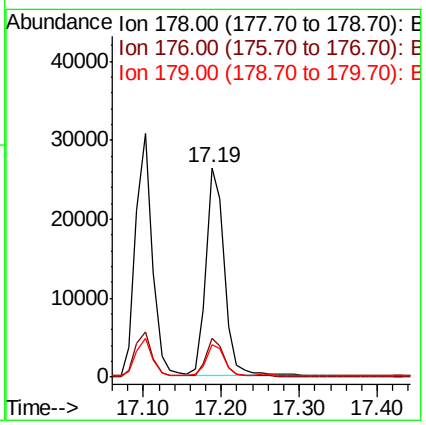


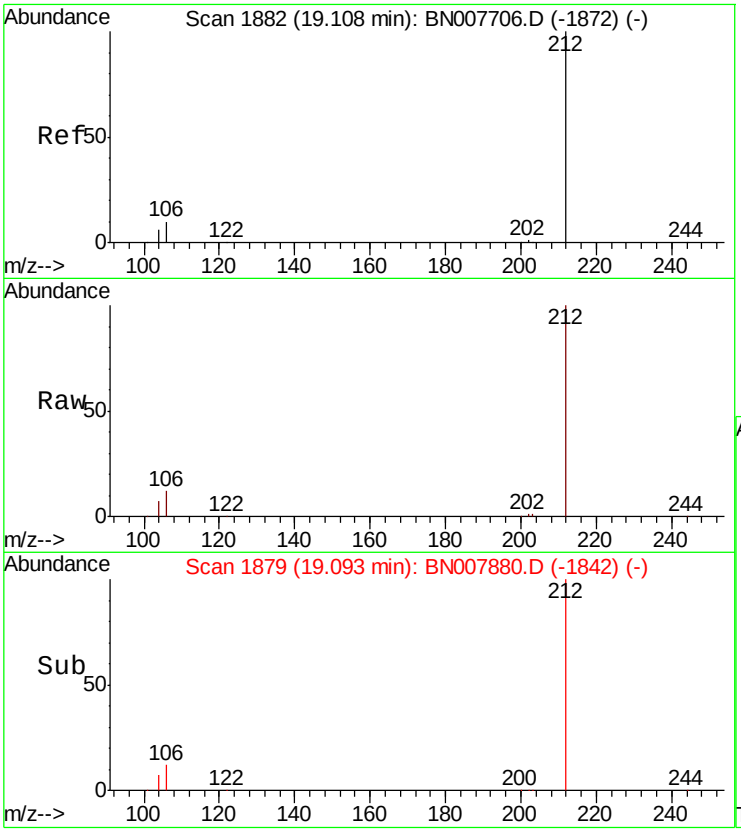


#24
Anthracene
Concen: 0.434 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:178 Resp: 42806

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	14.7	12.2	18.4



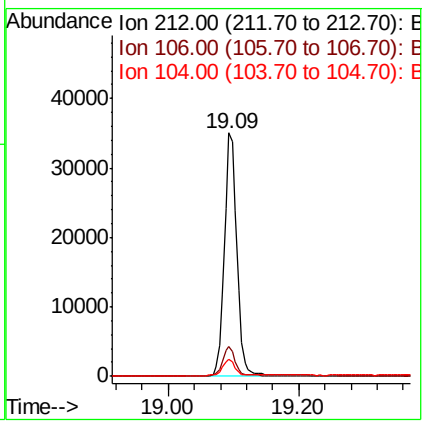


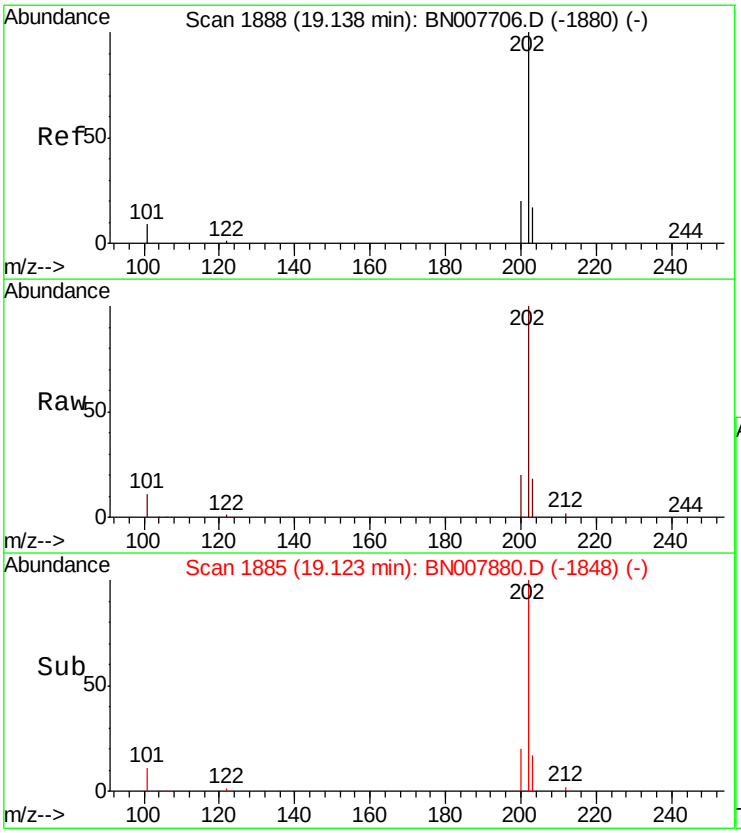
#25
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 47011

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.4	14.0
104	6.4	5.3	7.9

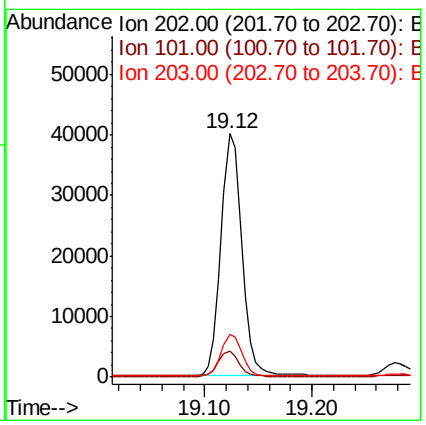


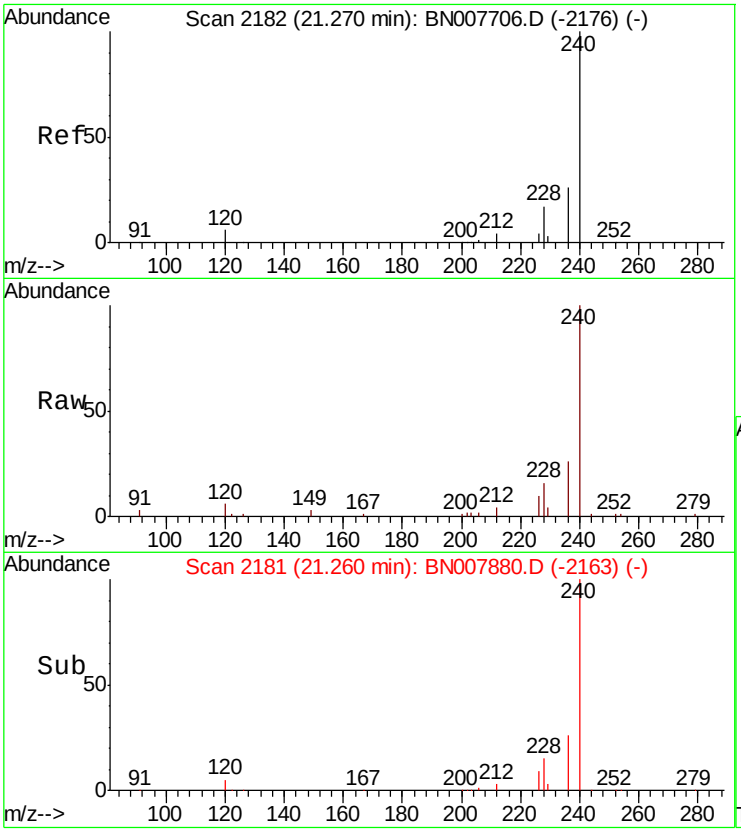


#26
Fluoranthene
Concen: 0.402 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:202 Resp: 54522

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.4	12.6
203	17.1	13.8	20.8



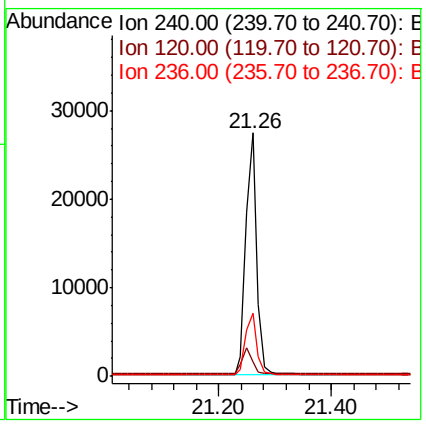


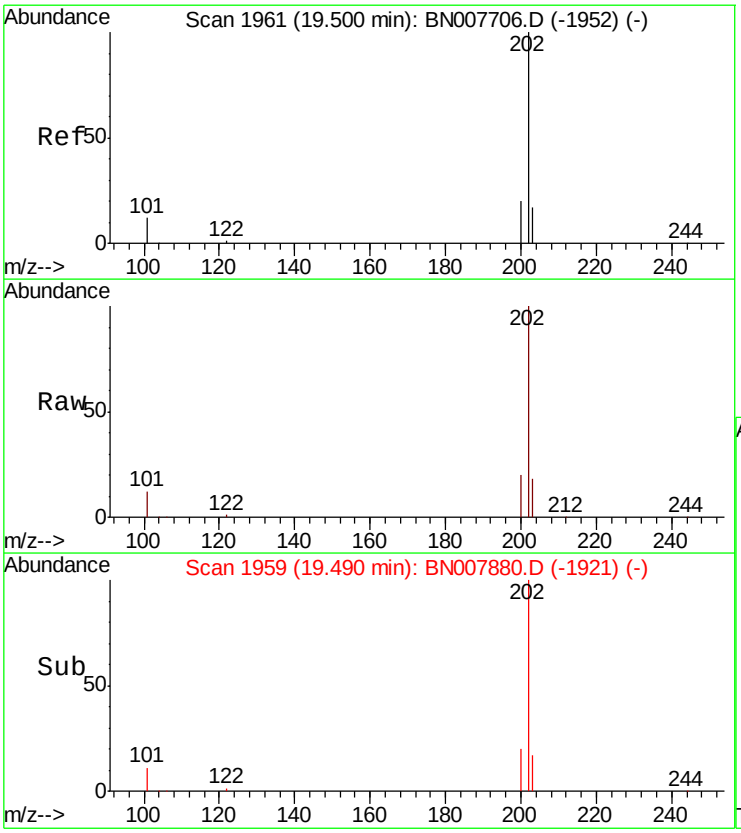
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 37262

Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.4	8.2
236	26.1	21.0	31.4

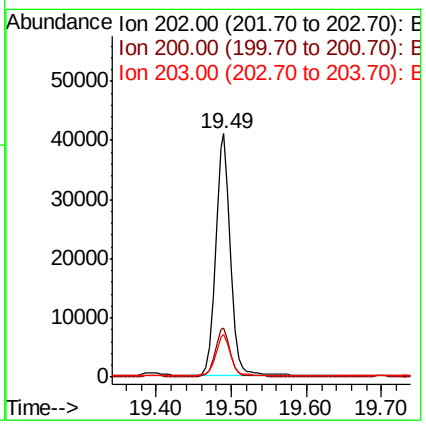


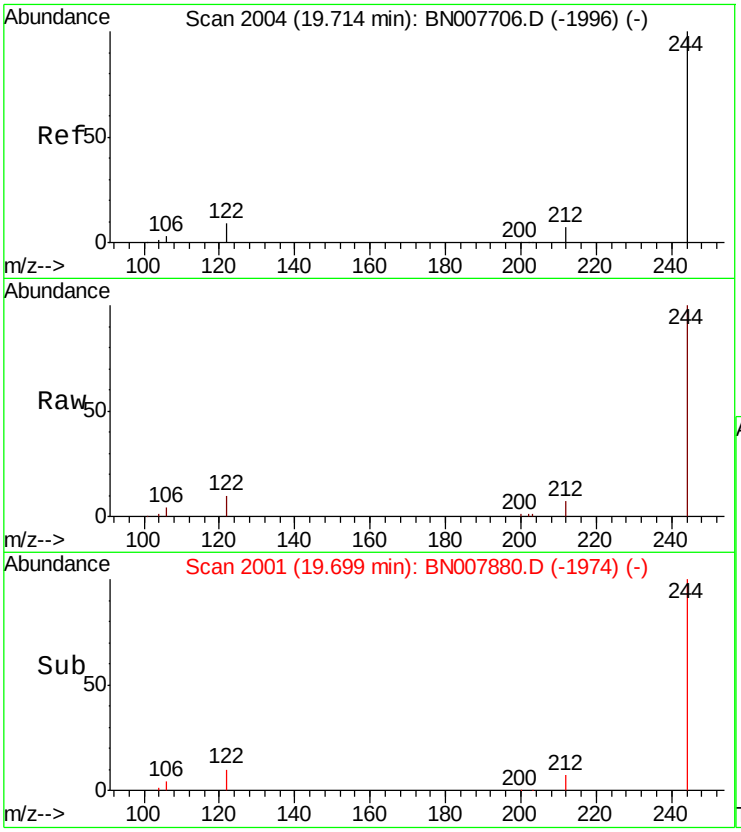


#28
Pyrene
Concen: 0.445 ng
RT: 19.49 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:202 Resp: 56529

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	18.2	14.1	21.1



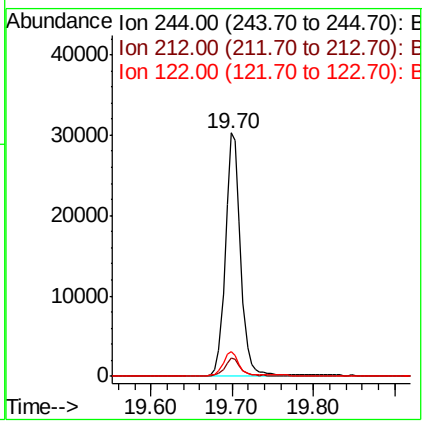


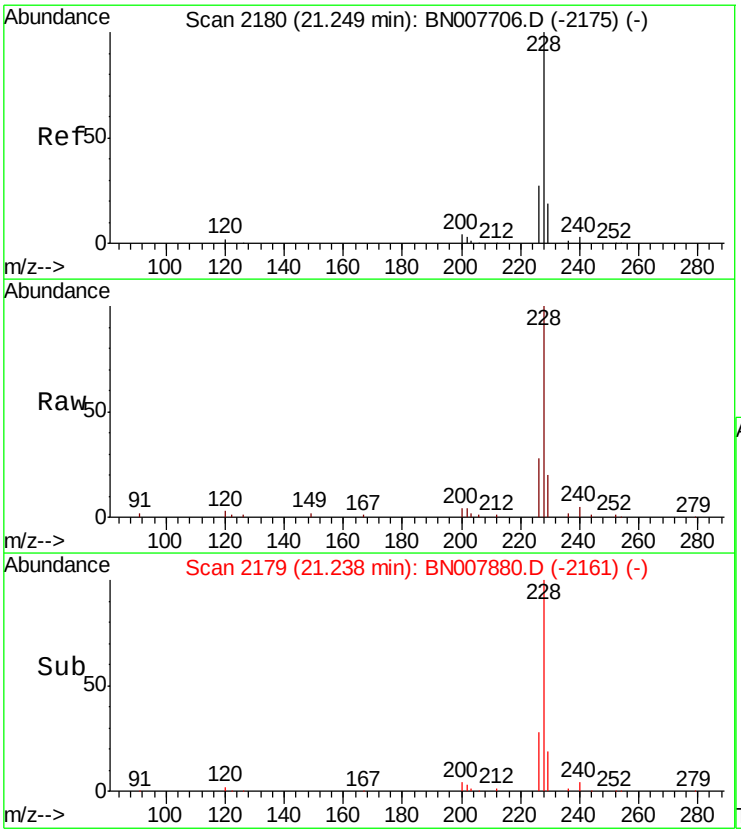
#29
Terphenyl-d14
Concen: 0.429 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 39279

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.2	7.4	11.2

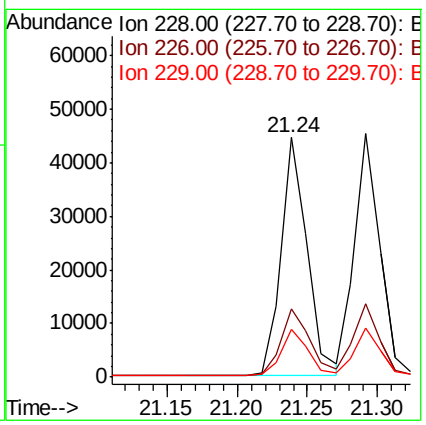


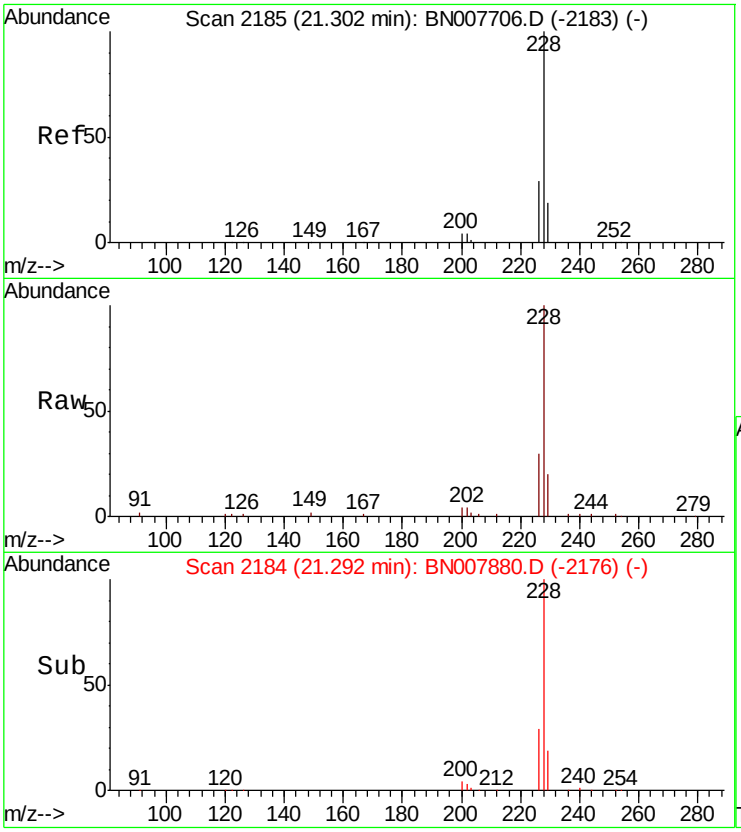


#30
Benzo(a)anthracene
Concen: 0.424 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:228 Resp: 58169

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	19.8	15.8	23.6



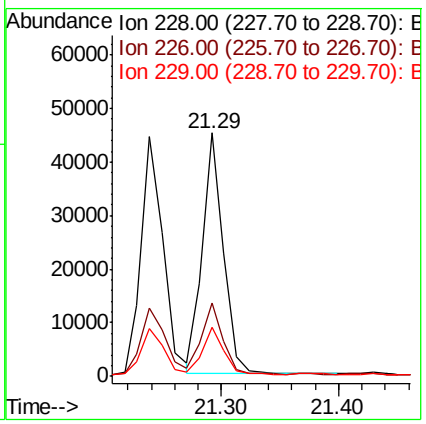


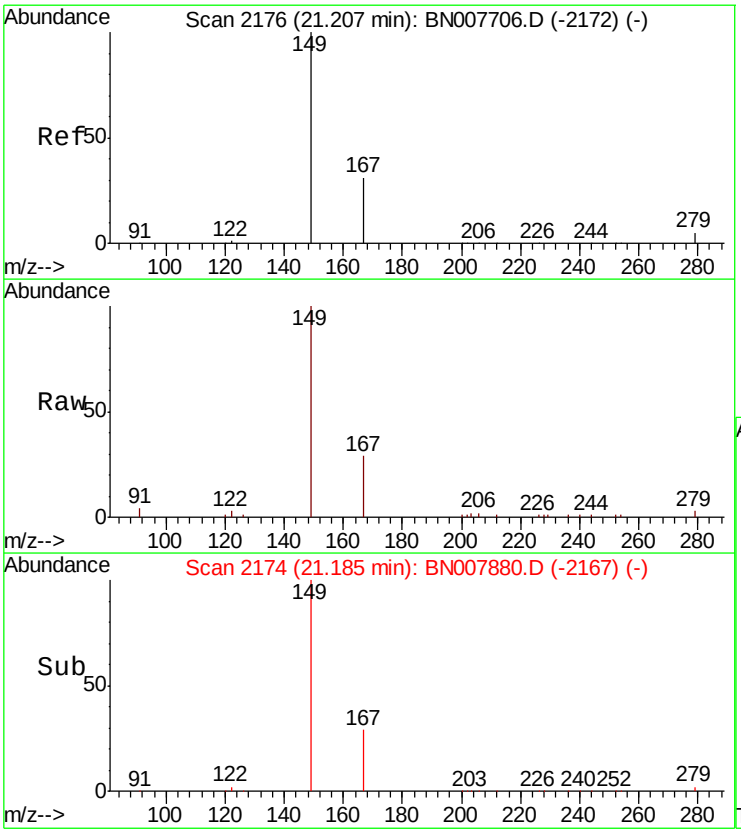
#31
Chrysene
Concen: 0.423 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 56620

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.9	15.8	23.6

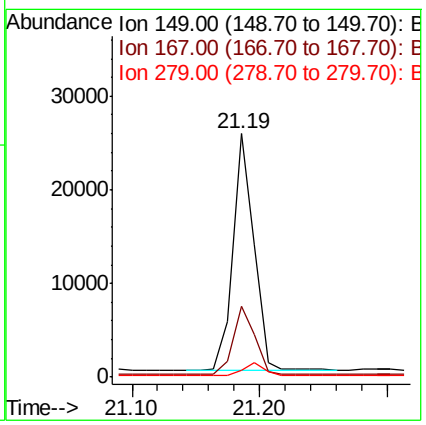


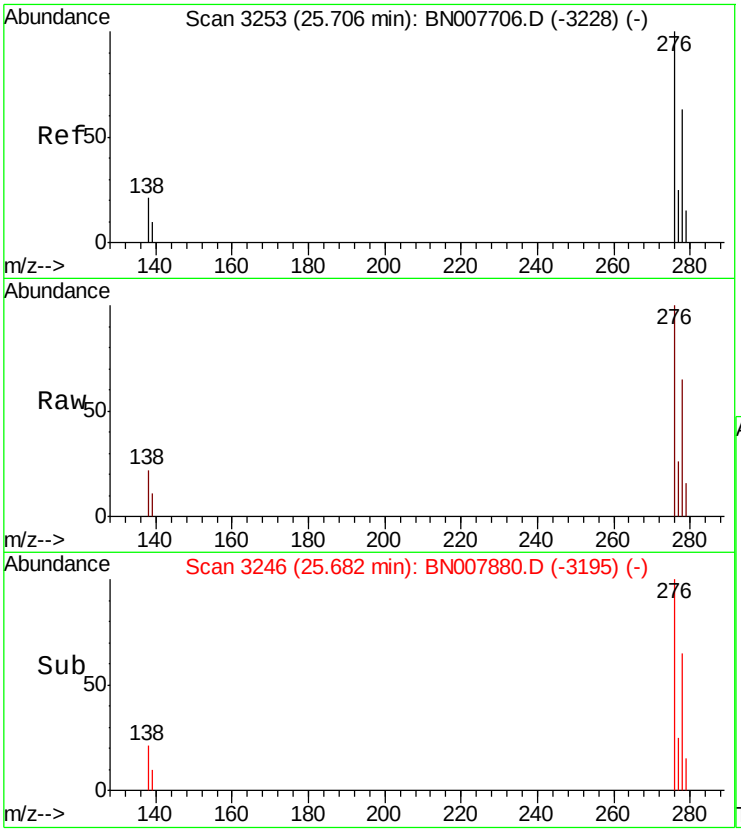


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.410 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:149 Resp: 28922

Ion	Ratio	Lower	Upper
149	100		
167	29.5	23.7	35.5
279	5.3	4.2	6.2



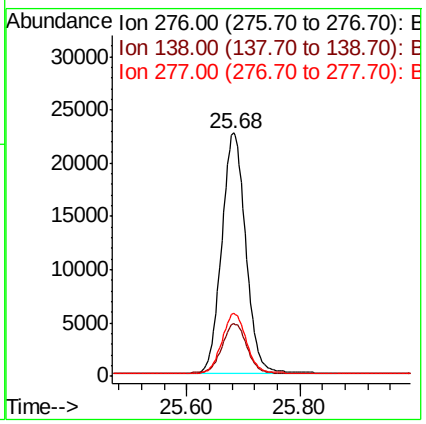


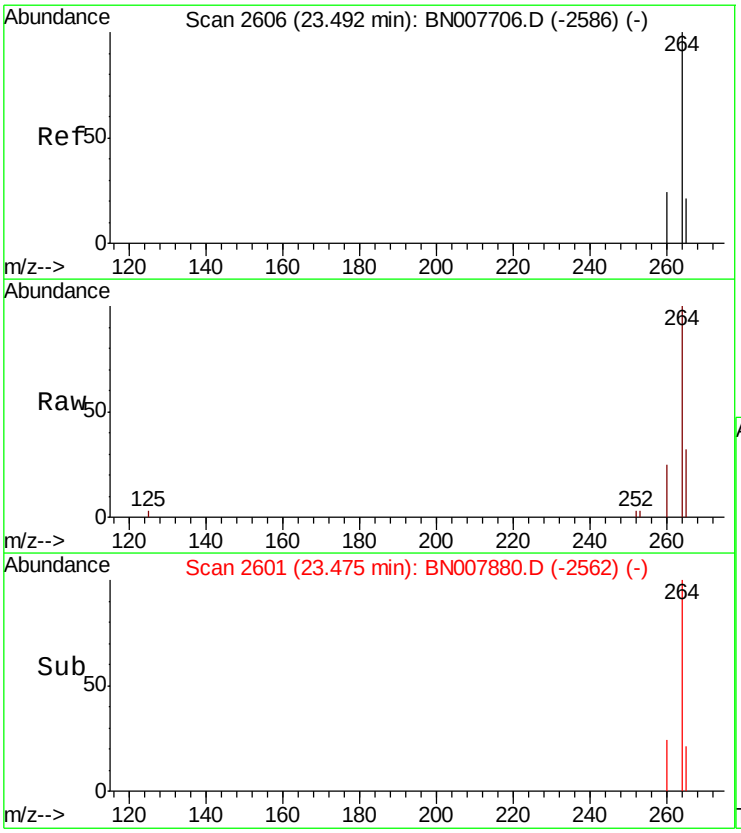
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 66649

Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.1	25.7
277	24.7	20.0	30.0

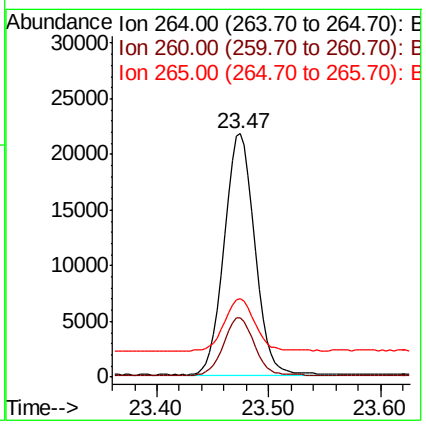


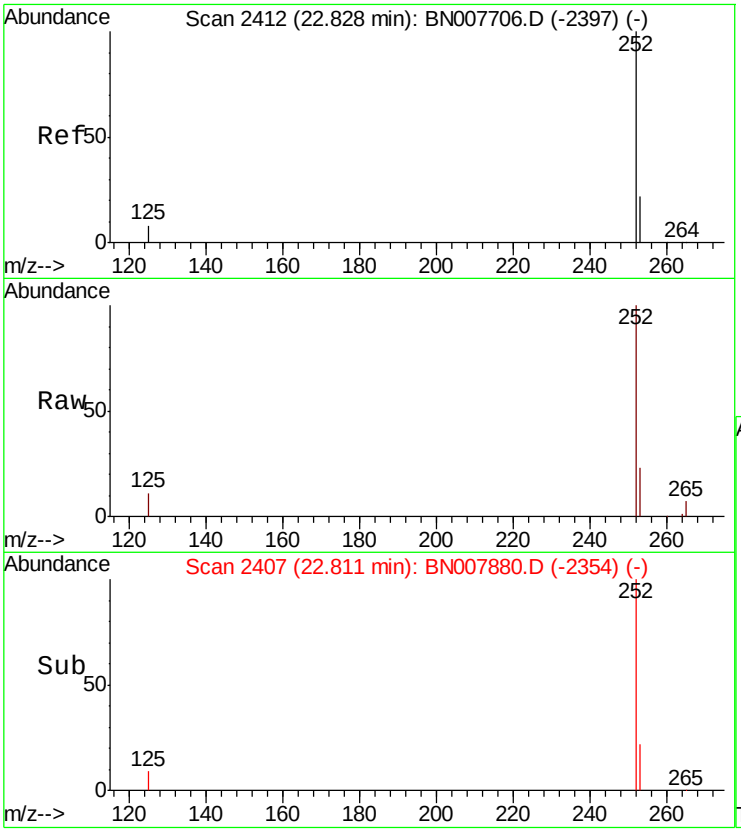


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:264 Resp: 40982

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	32.0	26.9	40.3



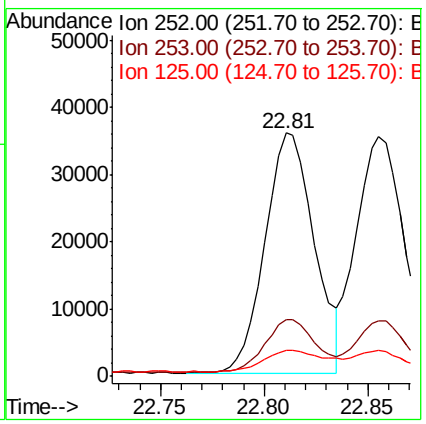


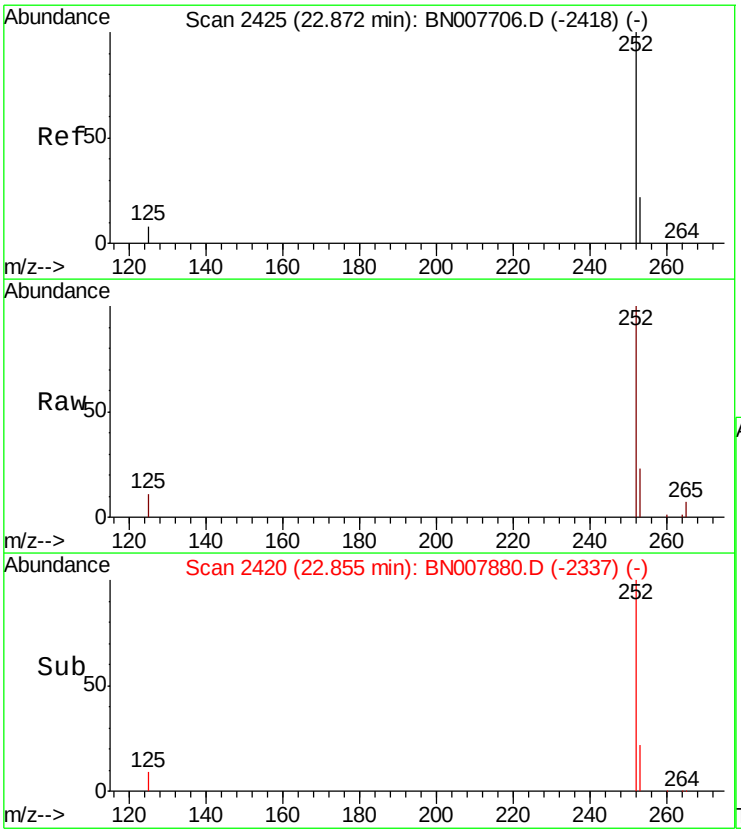
#35
Benzo(b)fluoranthene
Concen: 0.414 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 58857

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	10.7	8.2	12.4

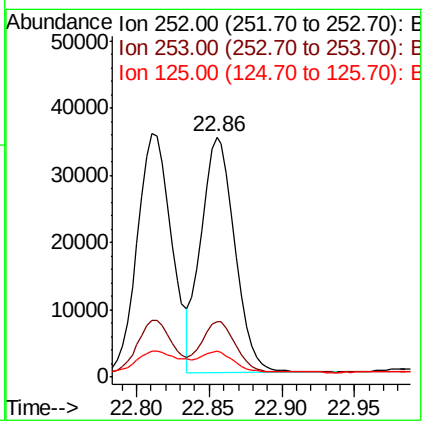


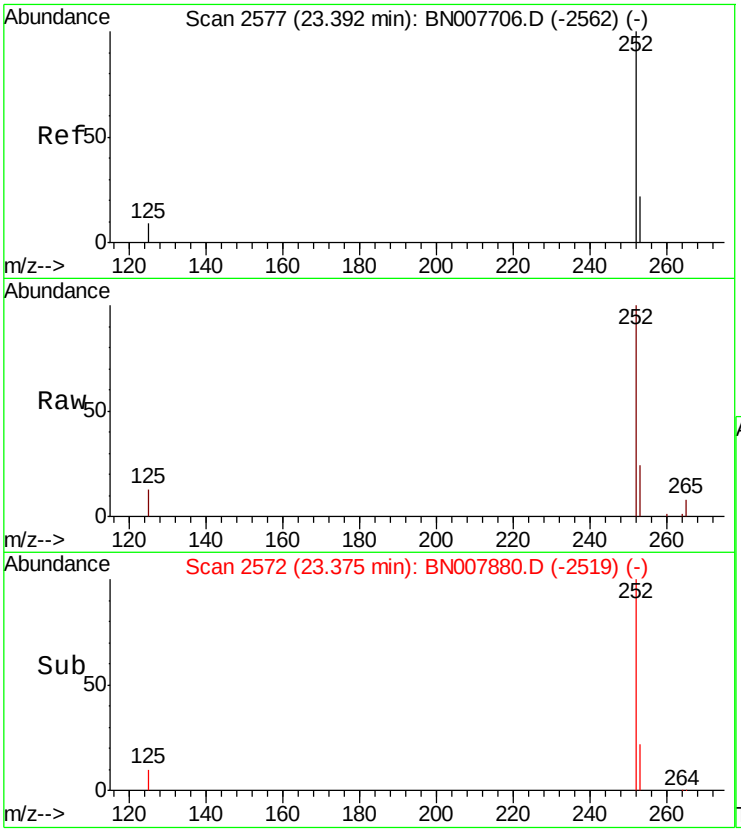


#36
Benzo(k)fluoranthene
Concen: 0.406 ng
RT: 22.86 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:252 Resp: 57052

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	10.7	8.4	12.6



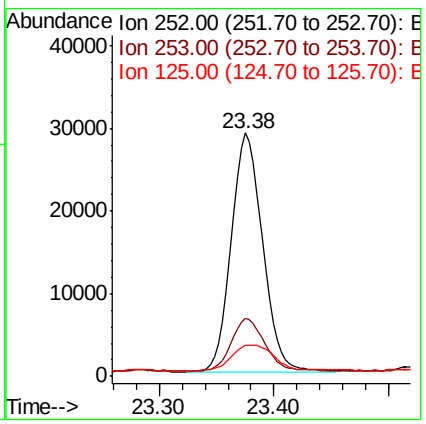


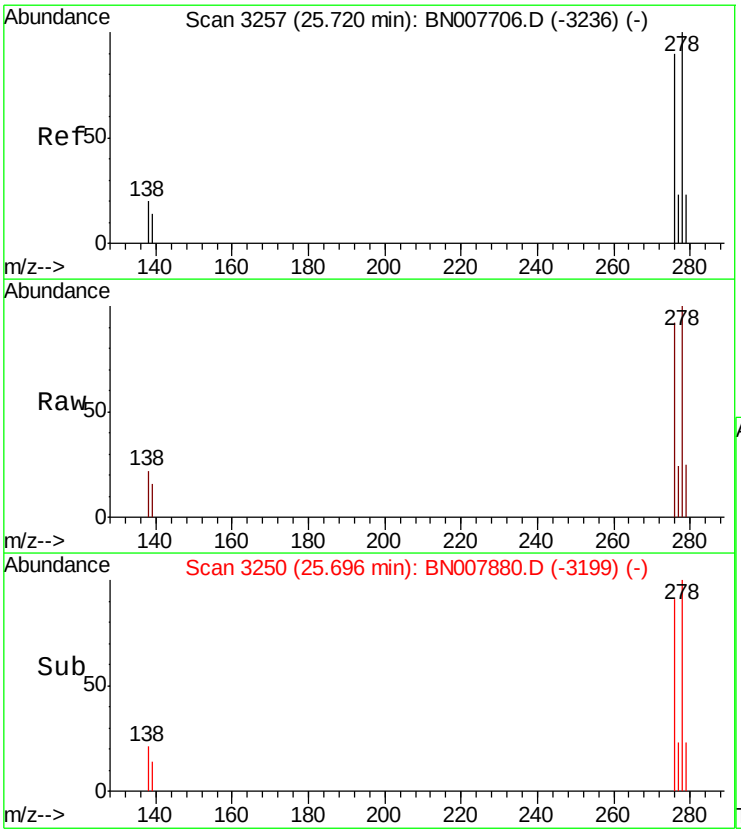
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.38 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 54819

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.6	27.8
125	12.6	9.4	14.0

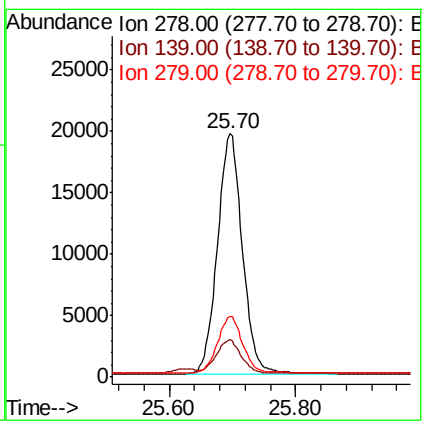


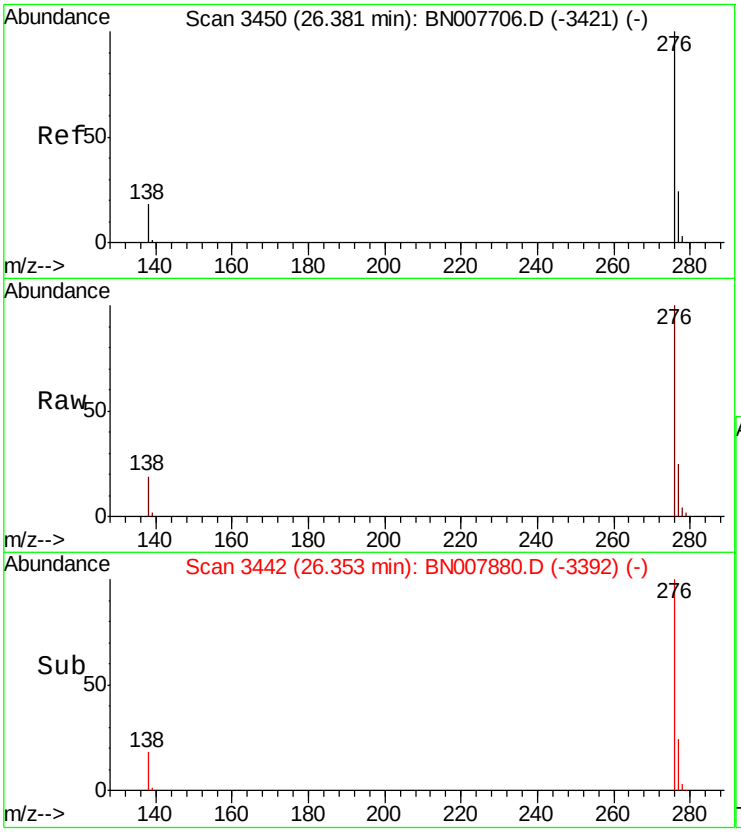


#38
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 25.70 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Tgt Ion:278 Resp: 53957

Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.8	17.6
279	24.9	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.406 ng
RT: 26.35 min Scan# 3442
Delta R.T. -0.03 min
Lab File: BN007880.D
Acq: 26 Sep 2019 08:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 54946

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.5	15.1	22.7