Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007089.D
Acq On : 11 Aug 2019 16:27
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Aug 12 04:44:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8586	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	32005	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	18159	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	43345	0.40	ng		0.00
26) Chrysene-d12	21.05	240	43593	0.40	ng		-0.01
32) Perylene-d12	23.15	264	44340	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	7405	0.36	ng		0.00
4) Phenol-d6	6.61	99	9271	0.36	ng		0.00
7) Nitrobenzene-d5	8.56	82	8919	0.35	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	21986	0.37	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2513	0.26	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	7259	0.27	ng		0.00
24) Fluoranthene-d10	18.87	212	53284	0.35	ng		0.00
28) Terphenyl-d14	19.49	244	46473	0.39	ng		0.00
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.36	42	1838	0.325	ng	#	99
5) bis(2-Chloroethyl)ether	6.87	93	8555	0.379	ng		98
8) Naphthalene	10.24	128	33417	0.372	ng		99
9) Hexachlorobutadiene	10.54	225	7252	0.379	ng	#	100
11) 2-Methylnaphthalene	11.87	142	23553	0.370	ng		99
15) Acenaphthylene	13.79	152	34516	0.364	ng		100
16) Acenaphthene	14.13	154	22859	0.376	ng		99
17) Fluorene	15.14	166	29373	0.323	ng		100
19) 4-Bromophenyl-phenylether	16.03	248	10652	0.397	ng	#	84
20) Hexachlorobenzene	16.14	284	10818	0.420	ng		99
21) Pentachlorophenol	16.48	266	2722	0.283	ng		97
22) Phenanthrene	16.87	178	50919	0.392	ng		100
23) Anthracene	16.95	178	43295	0.365	ng		100
25) Fluoranthene	18.90	202	59471	0.358	ng		100
27) Pyrene	19.26	202	59350	0.388	ng		100
29) Benzo(a)anthracene	21.02	228	57368	0.360	ng		100
30) Chrysene	21.08	228	62105	0.401	ng		99
31) Indeno(1,2,3-cd)pyrene	25.24	276	65952	0.386	ng		99
33) Benzo(b)fluoranthene	22.53	252	58902	0.387	ng		99
34) Benzo(k)fluoranthene	22.58	252	57662	0.384	ng		99
35) Benzo(a)pyrene	23.07	252	49852	0.362	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	54404	0.396	ng		100
37) Benzo(g,h,i)perylene	25.86	276	54776	0.387	ng		99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007089.D
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Operator : HP/JU
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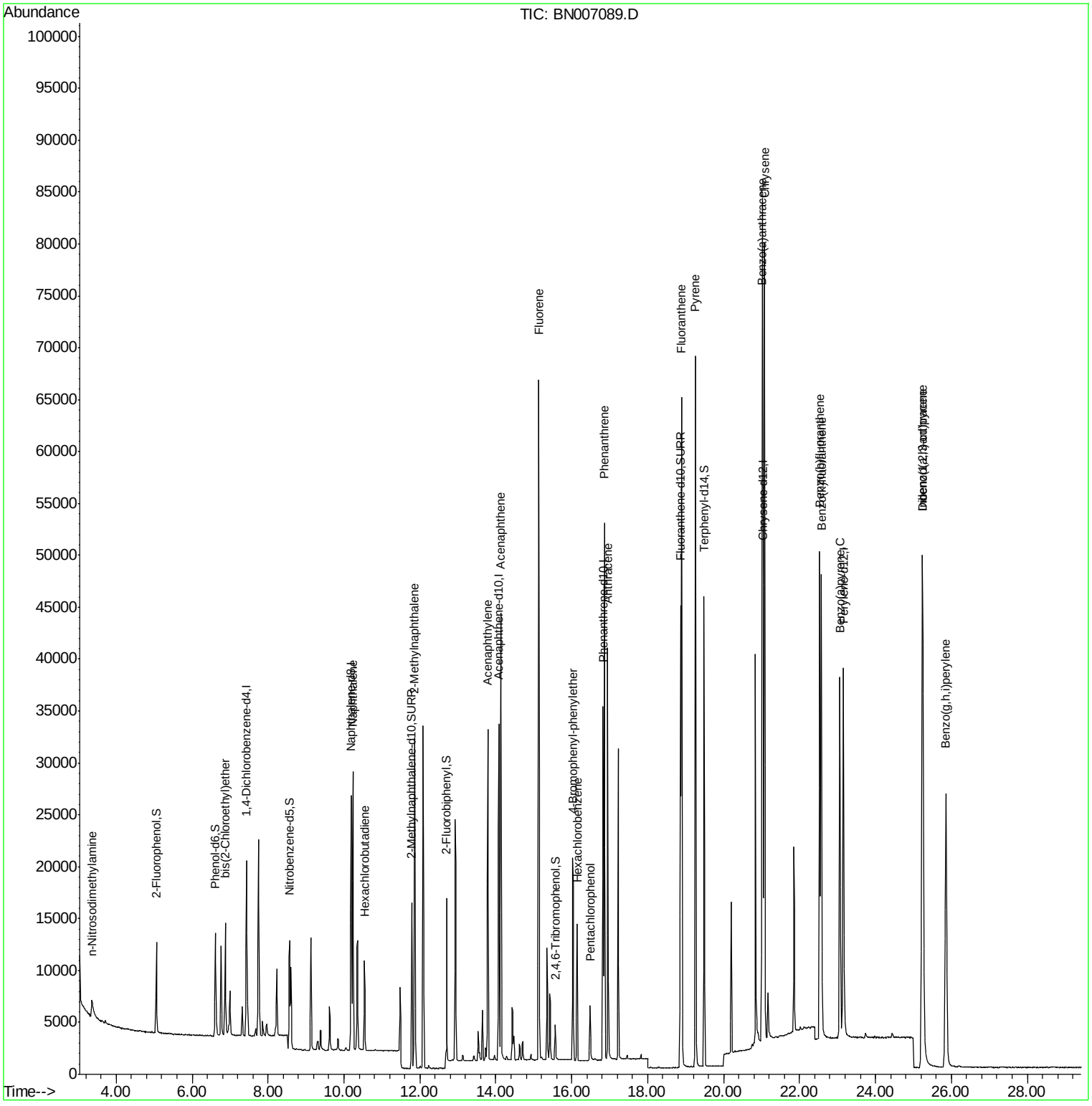
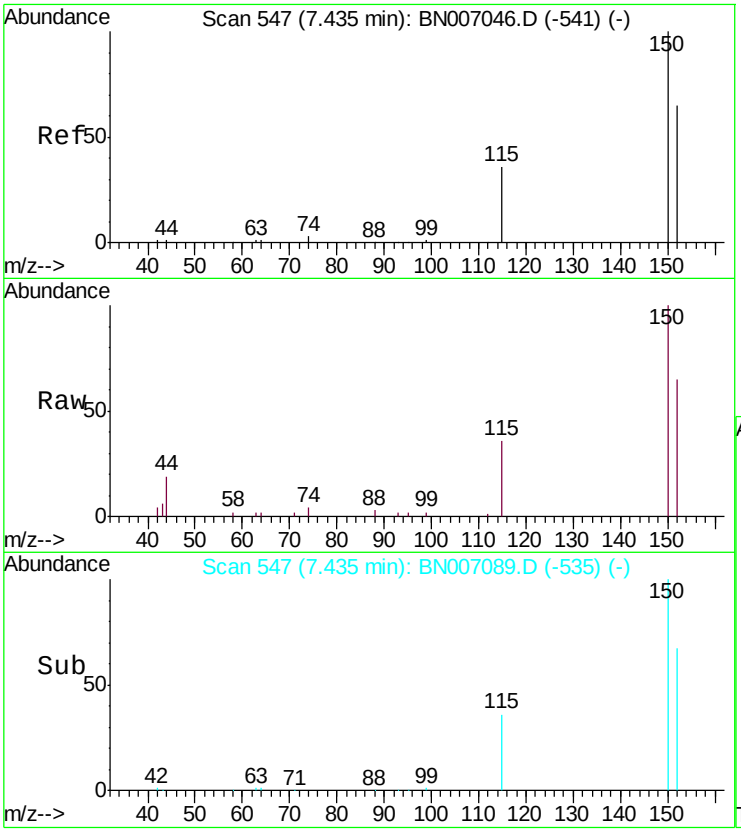
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Aug 12 04:44:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



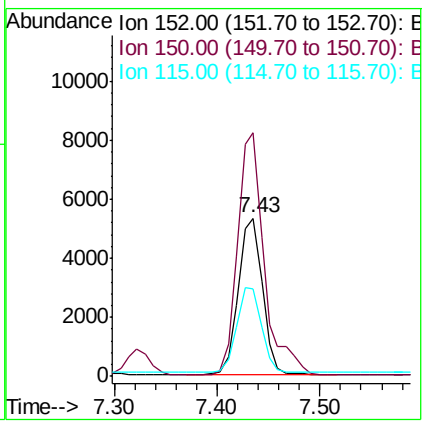


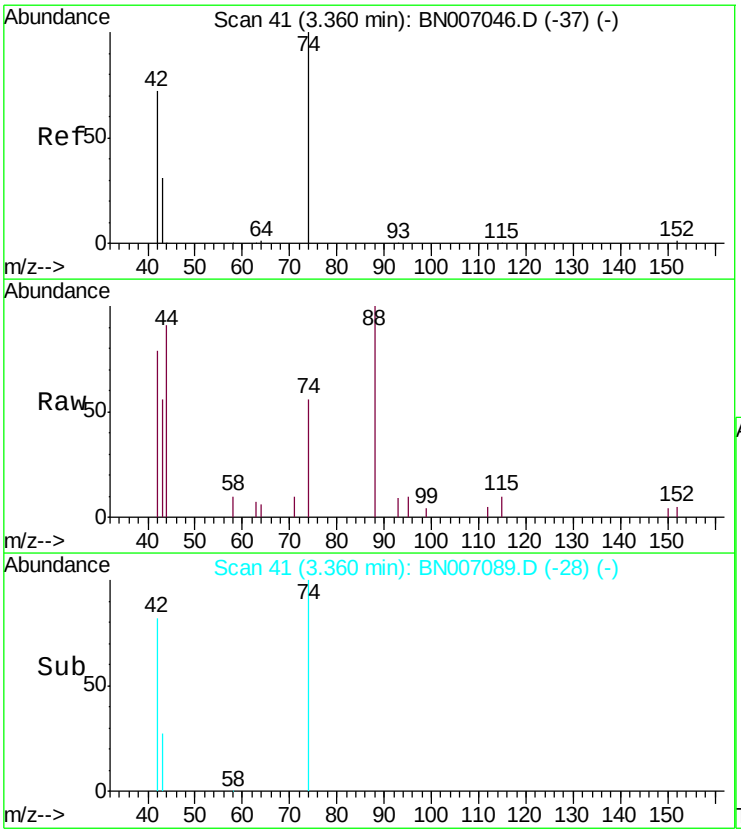
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8586

Ion	Ratio	Lower	Upper
152	100		
150	153.8	121.7	182.5
115	55.4	46.2	69.4

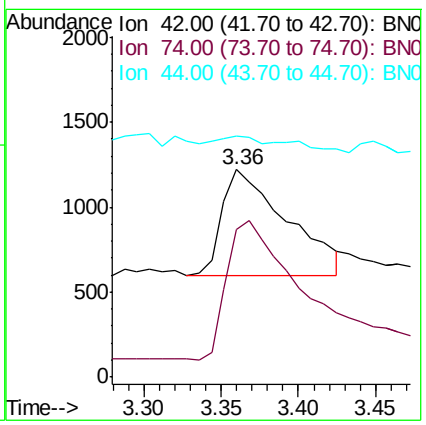


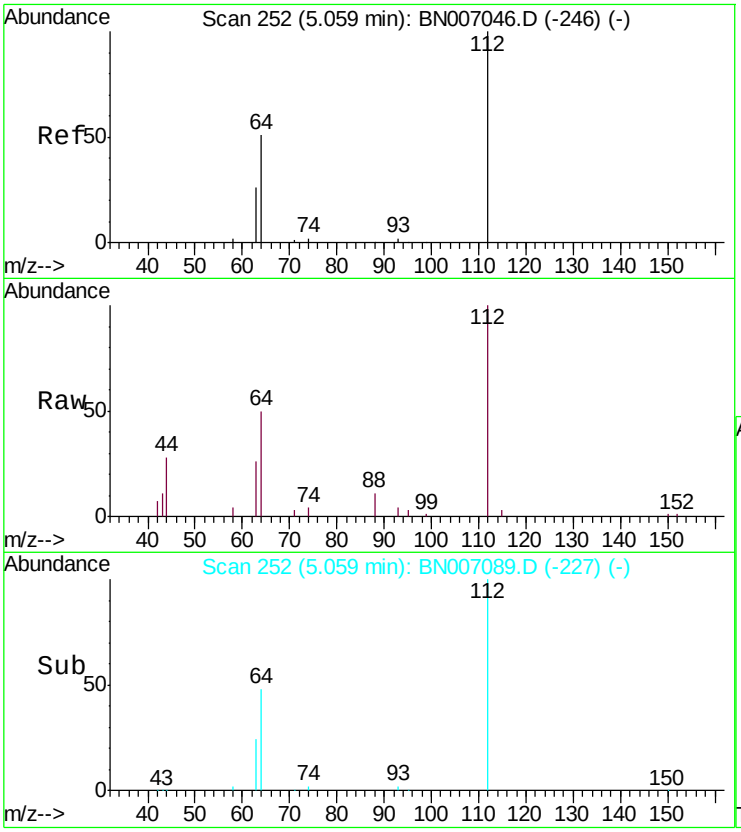


#2
n-Nitrosodimethylamine
Concen: 0.325 ng
RT: 3.36 min Scan# 41
Delta R.T. 0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion: 42 Resp: 1838

Ion	Ratio	Lower	Upper
42	100		
74	137.6	110.6	166.0
44	10.7	0.0	0.0#



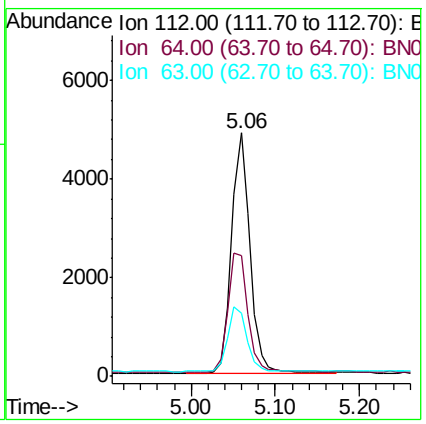


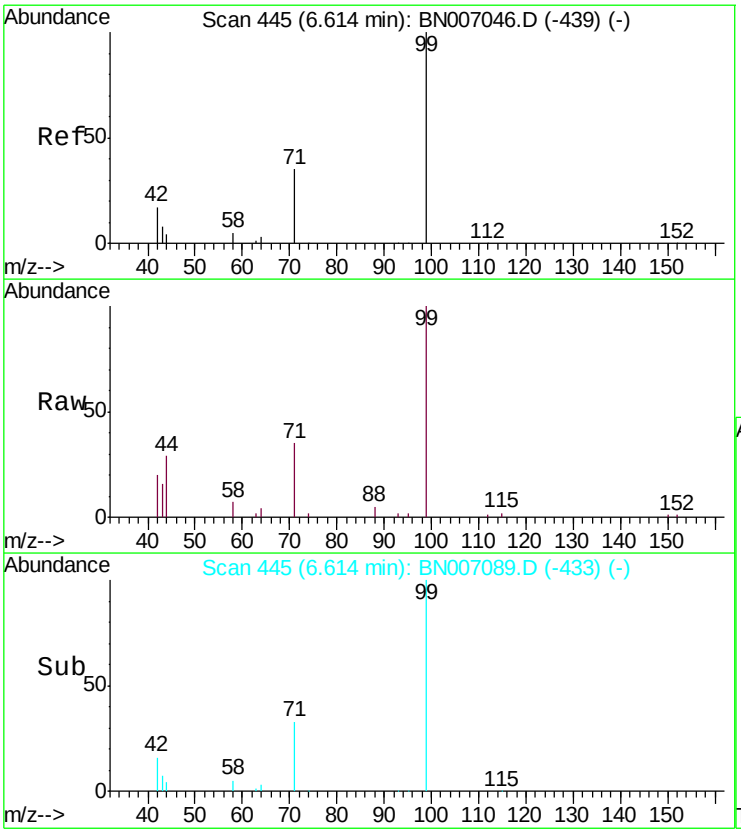
#3
2-Fluorophenol
Concen: 0.359 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:112 Resp: 7405

Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	28.4	22.2	33.2

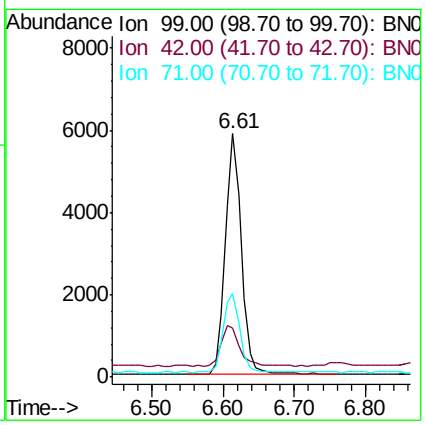


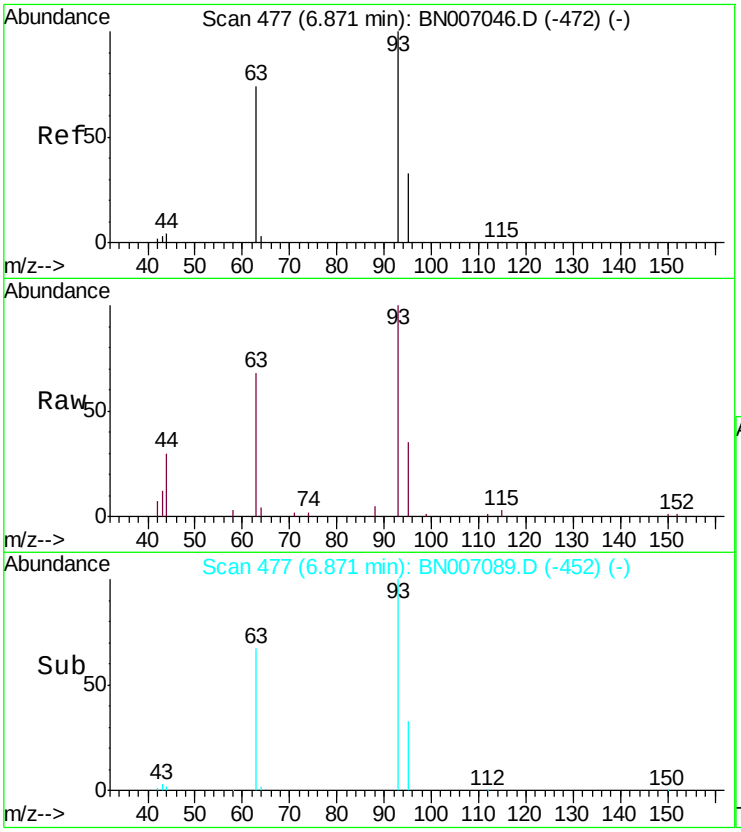


#4
Phenol-d6
Concen: 0.363 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion: 99 Resp: 9271

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.8	23.6
71	33.5	27.0	40.4



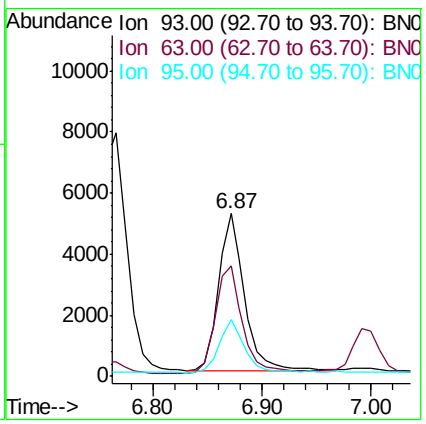


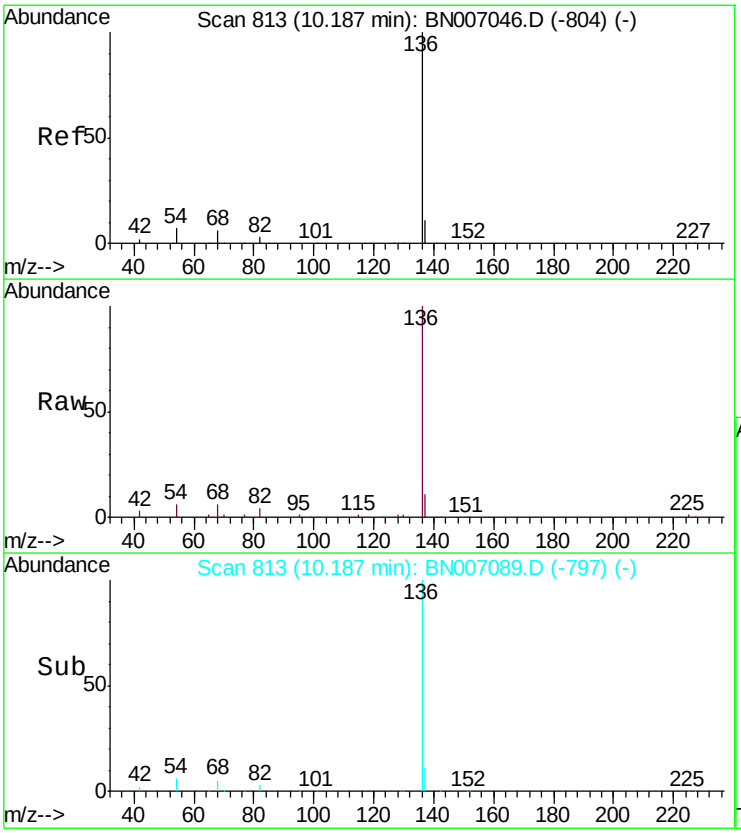
#5
bis(2-Chloroethyl)ether
Concen: 0.379 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 93 Resp: 8555

Ion	Ratio	Lower	Upper
93	100		
63	71.7	55.6	83.4
95	33.9	26.7	40.1

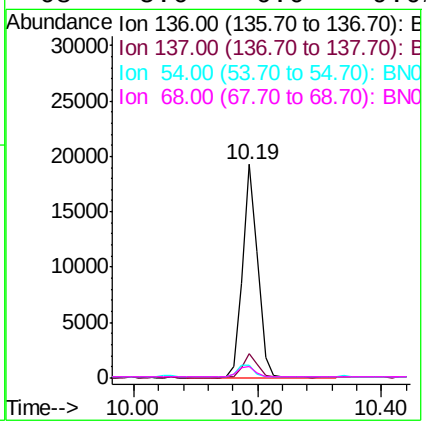


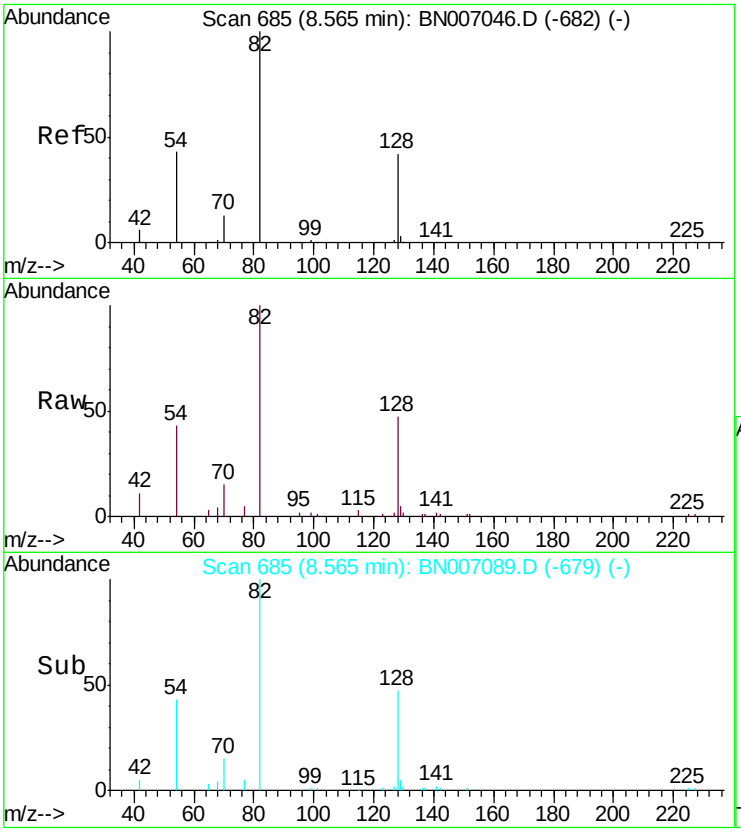


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:136 Resp: 32005

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	6.3	6.6	9.8#
68	5.6	6.0	9.0#



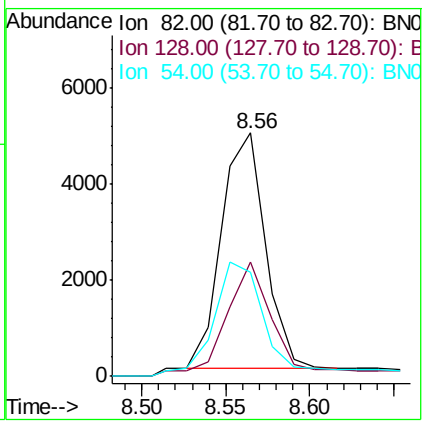


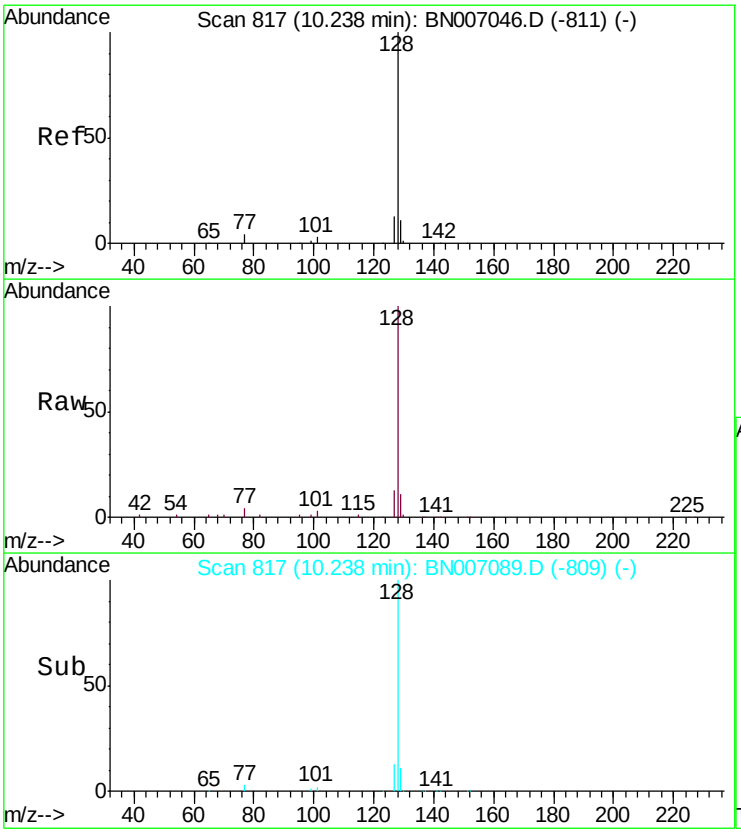
#7
Nitrobenzene-d5
Concen: 0.346 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 82 Resp: 8919

Ion	Ratio	Lower	Upper
82	100		
128	47.0	34.6	51.8
54	42.9	36.2	54.4

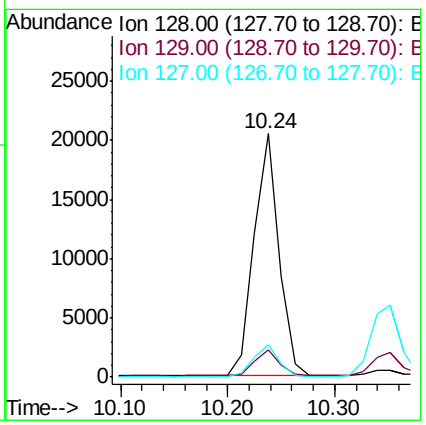


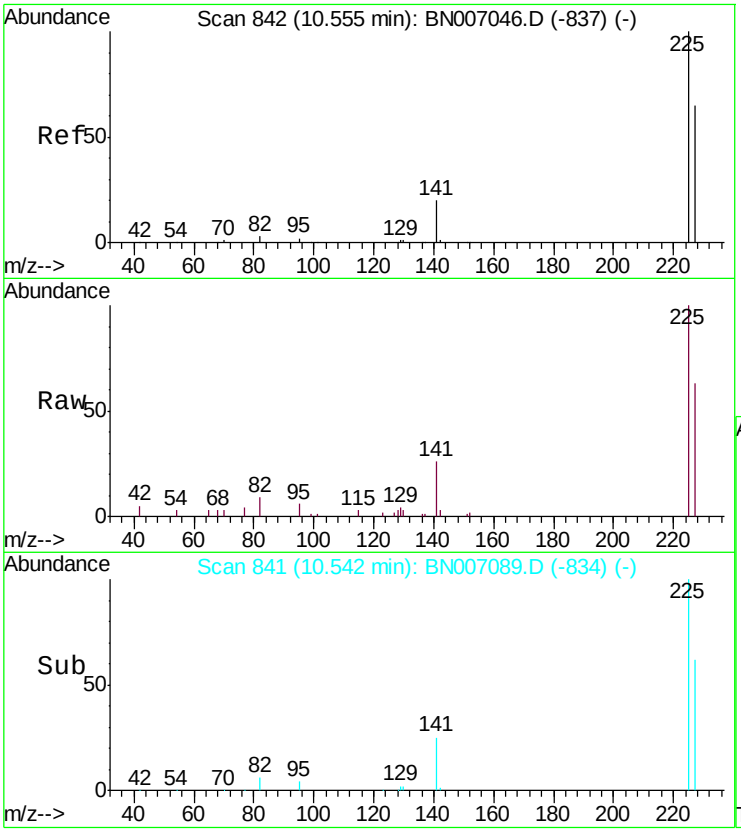


#8
Naphthalene
Concen: 0.372 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:128 Resp: 33417

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.2
127	13.4	11.0	16.6



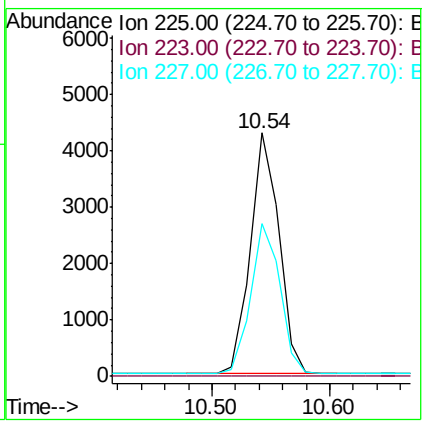


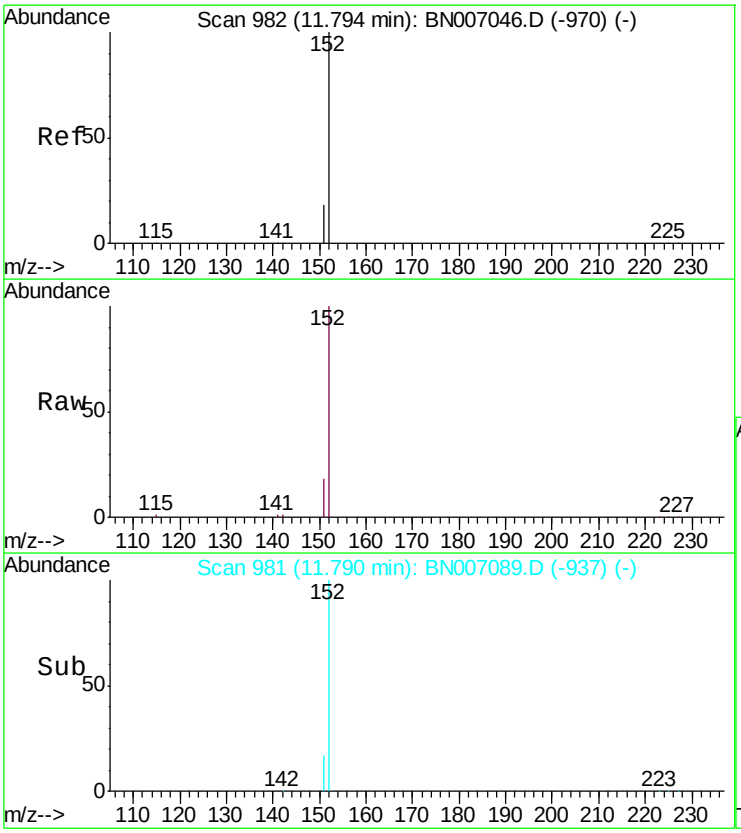
#9
Hexachlorobutadiene
Concen: 0.379 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:225 Resp: 7252

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.1	76.7

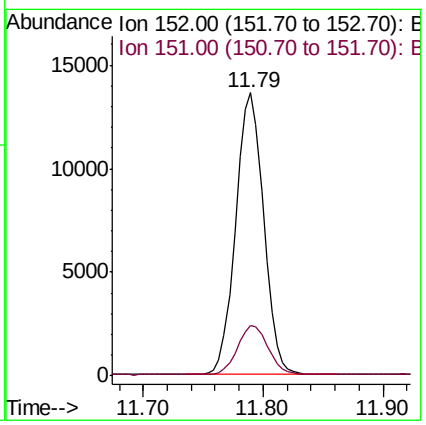


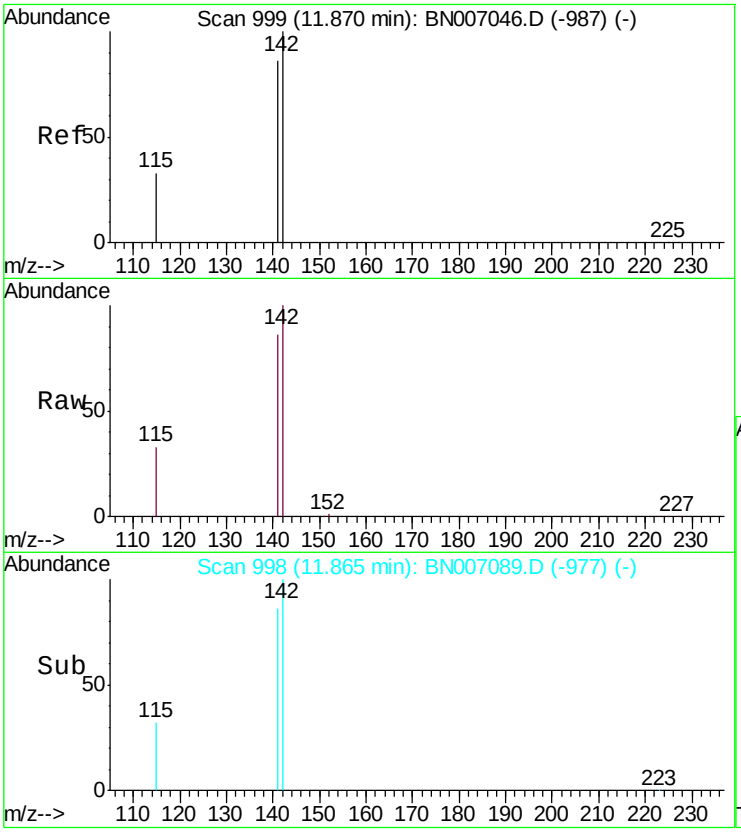


#10
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:152 Resp: 21986

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3



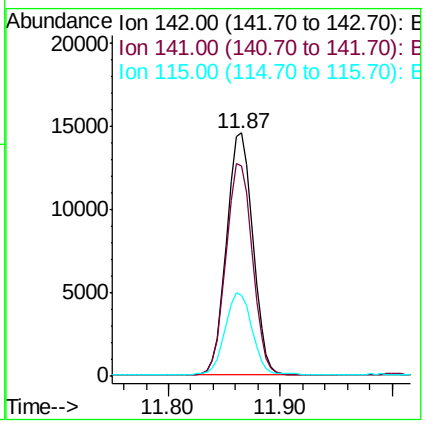


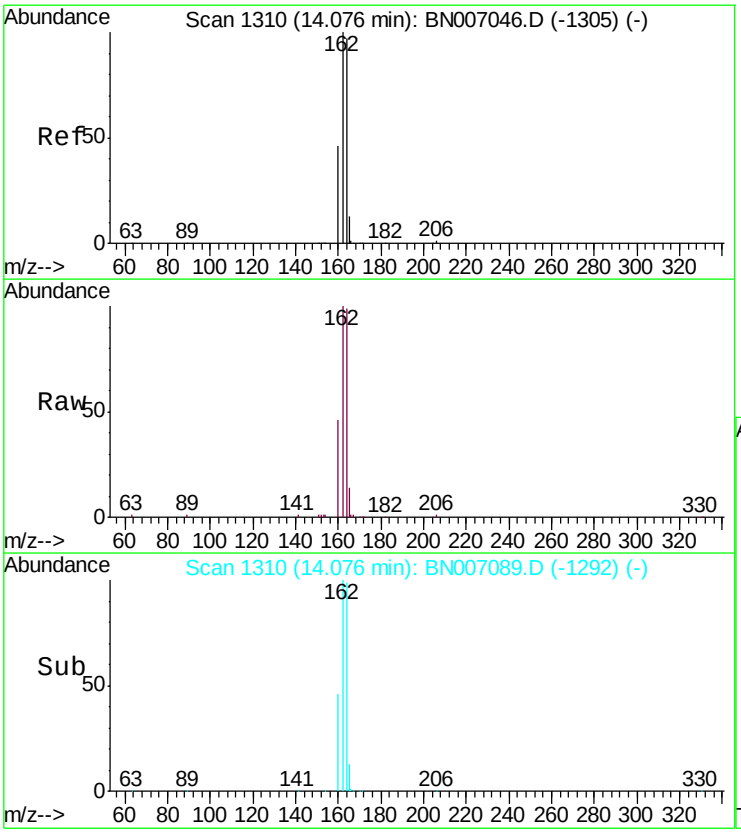
#11
2-Methylnaphthalene
Concen: 0.370 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:142 Resp: 23553

Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.0	103.6
115	33.1	27.1	40.7

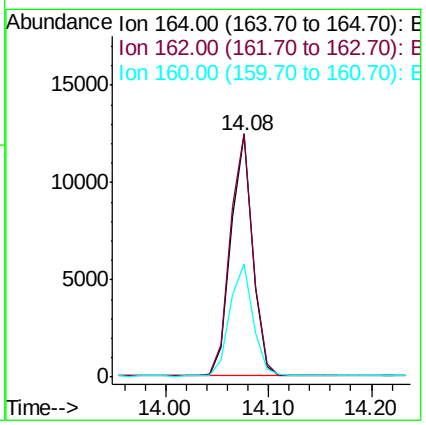


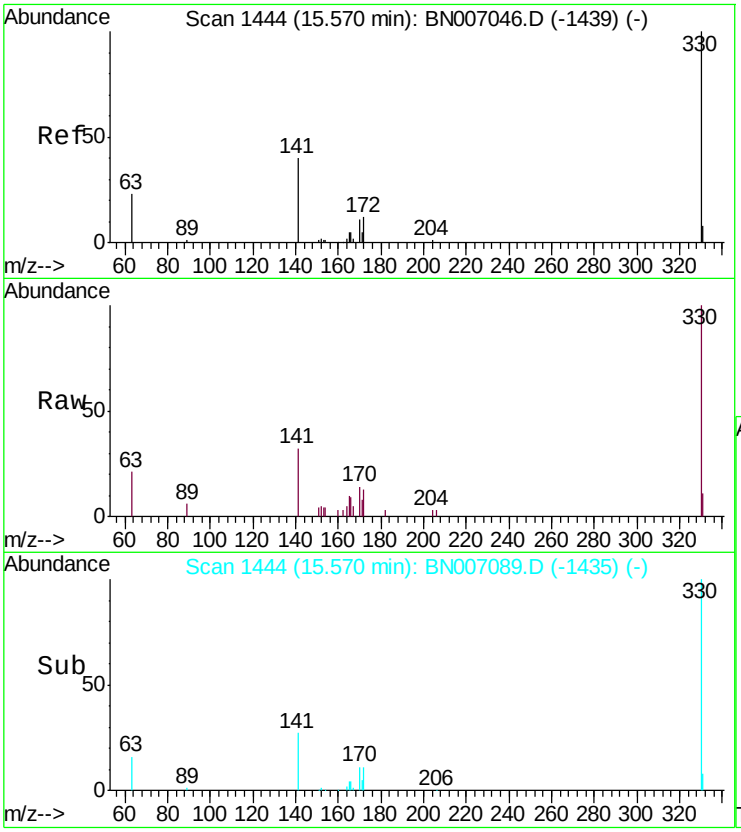


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:164 Resp: 18159

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.4
160	46.8	38.3	57.5



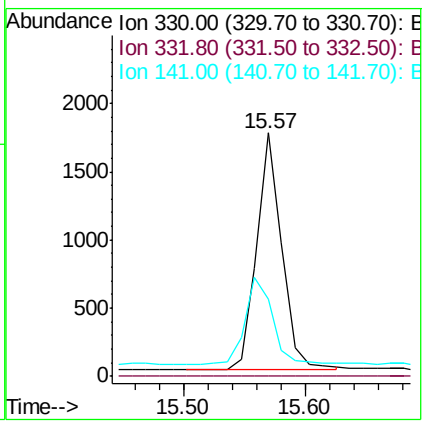


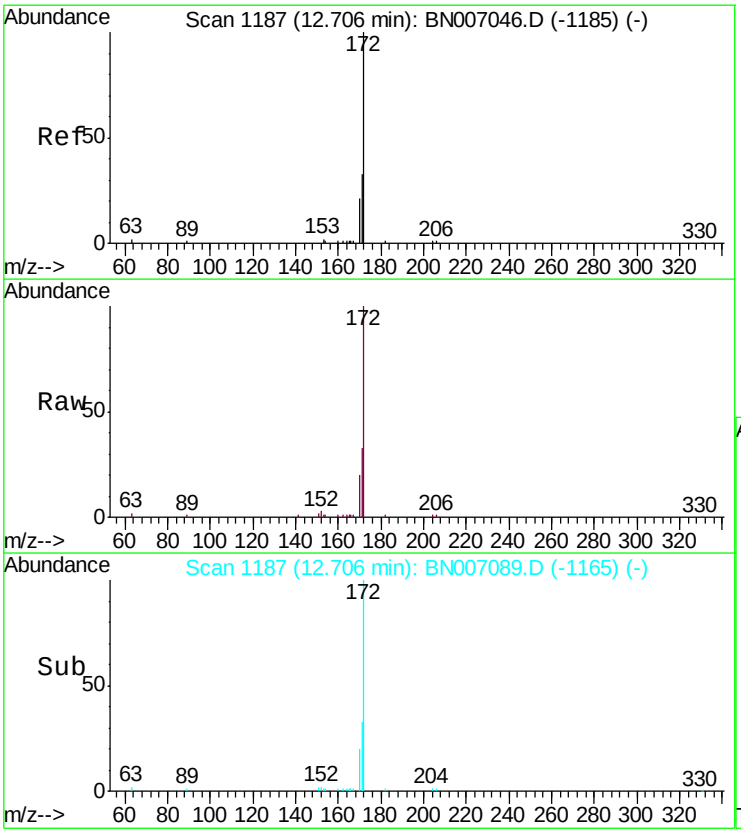
#13
2,4,6-Tribromophenol
Concen: 0.257 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:330 Resp: 2513

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.1	33.6	50.4

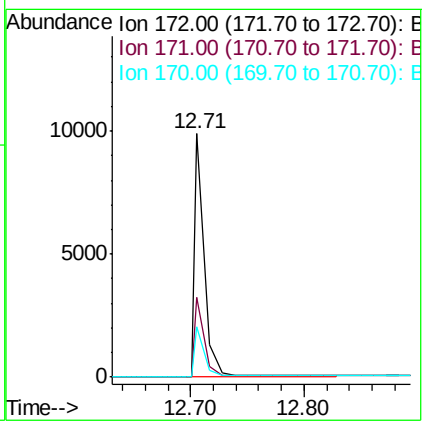


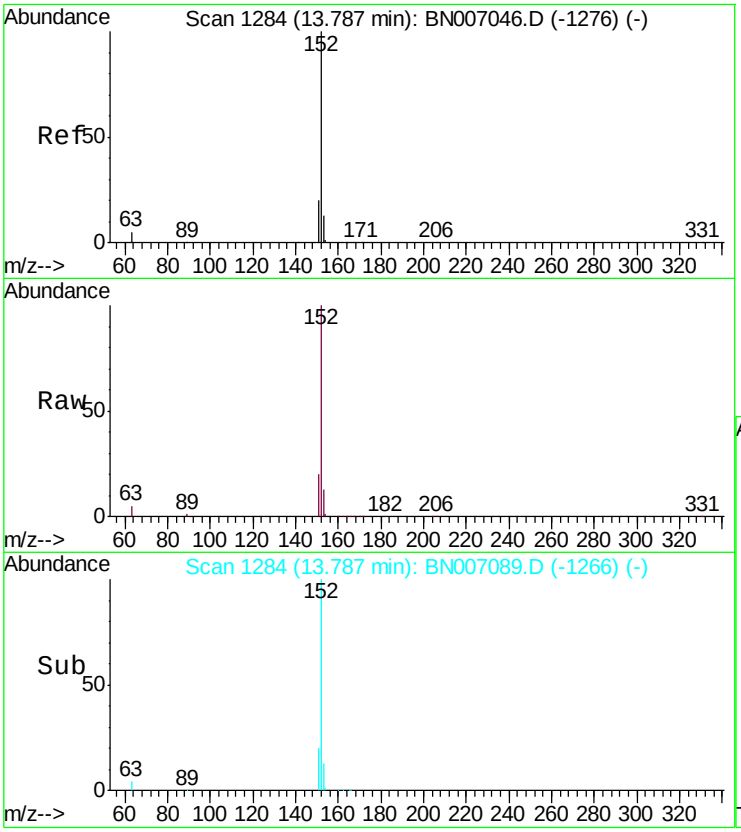


#14
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:172 Resp: 7259

Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.3	39.5
170	20.5	17.0	25.4



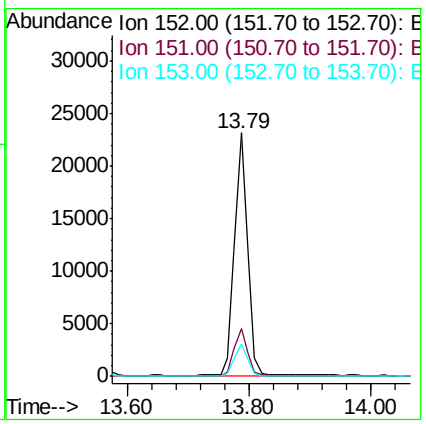


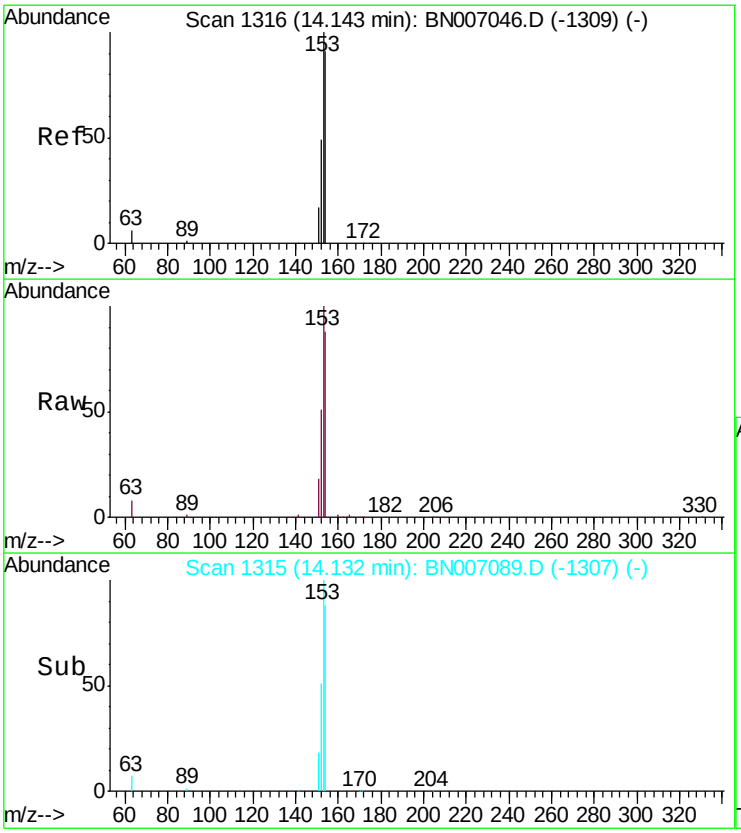
#15
Acenaphthylene
Concen: 0.364 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 34516

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.1	10.4	15.6

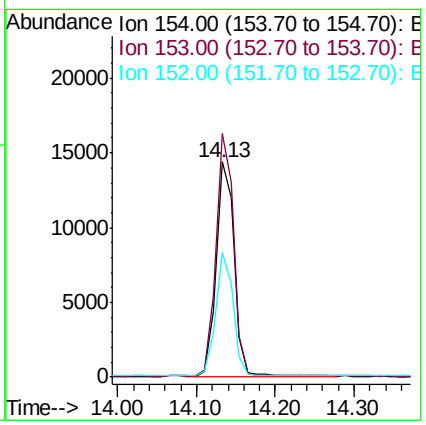


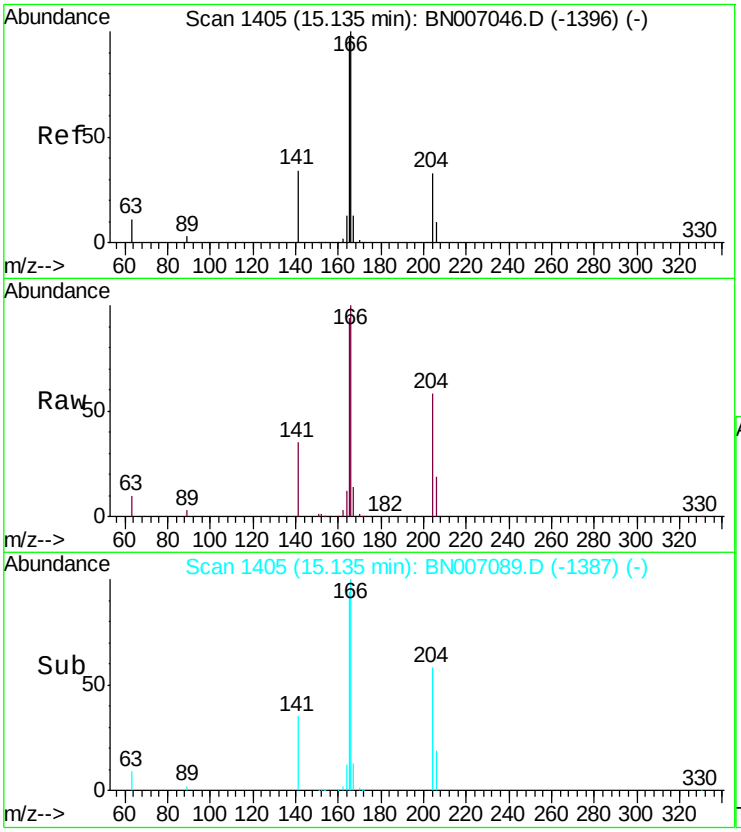


#16
Acenaphthene
Concen: 0.376 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:154 Resp: 22859

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.5	134.3
152	56.4	44.8	67.2



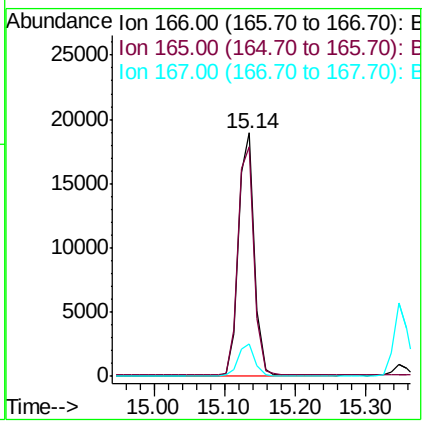


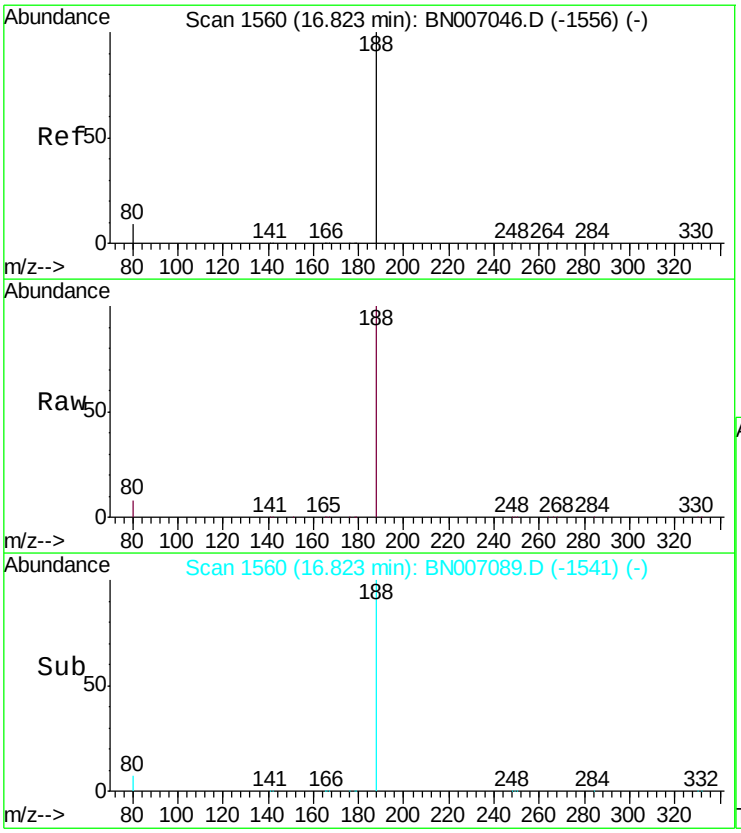
#17
Fluorene
Concen: 0.323 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:166 Resp: 29373

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	13.4	10.9	16.3

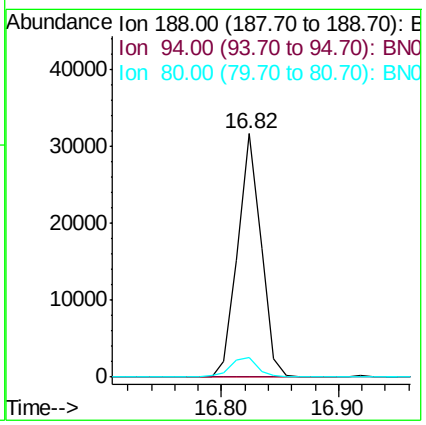


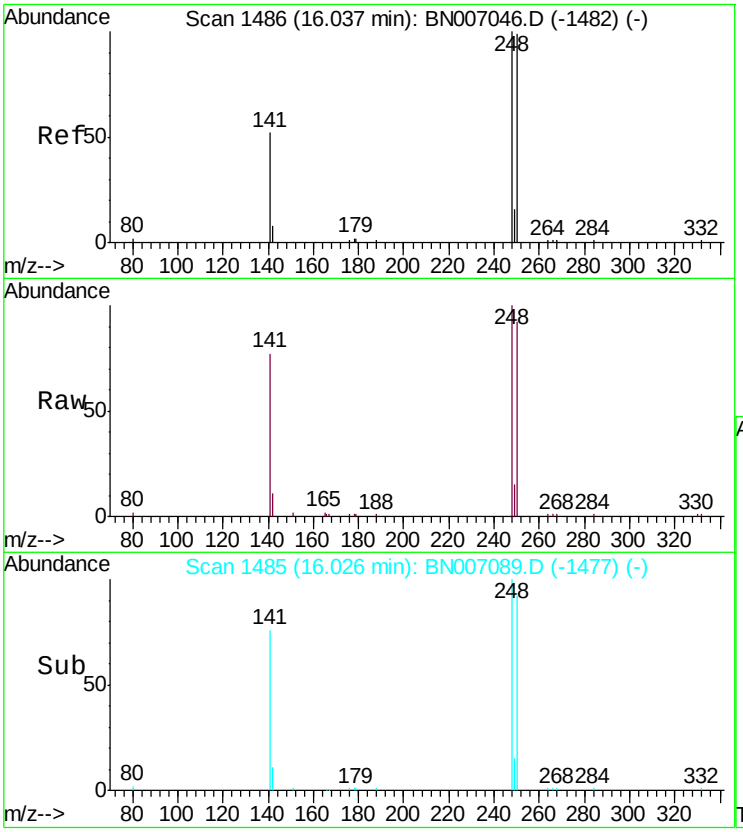


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:188 Resp: 43345

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	7.8	11.6



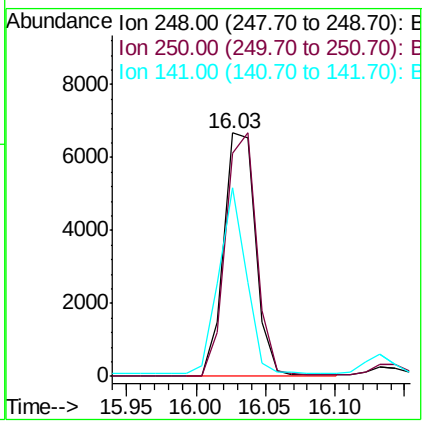


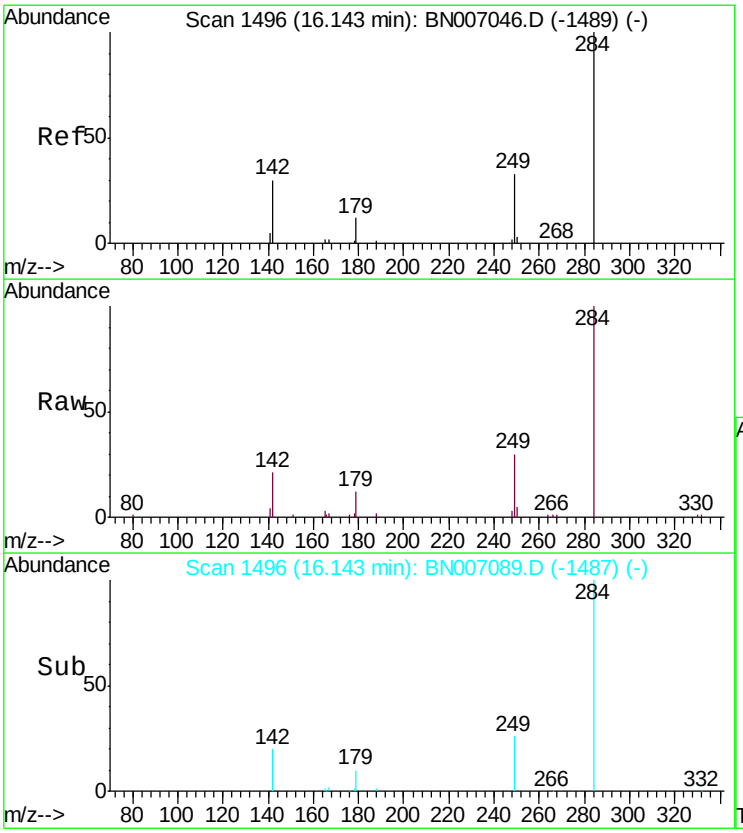
#19
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 10652

Ion	Ratio	Lower	Upper
248	100		
250	91.7	78.9	118.3
141	77.5	43.3	64.9#

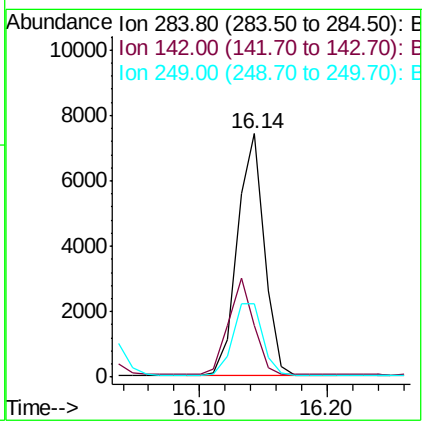


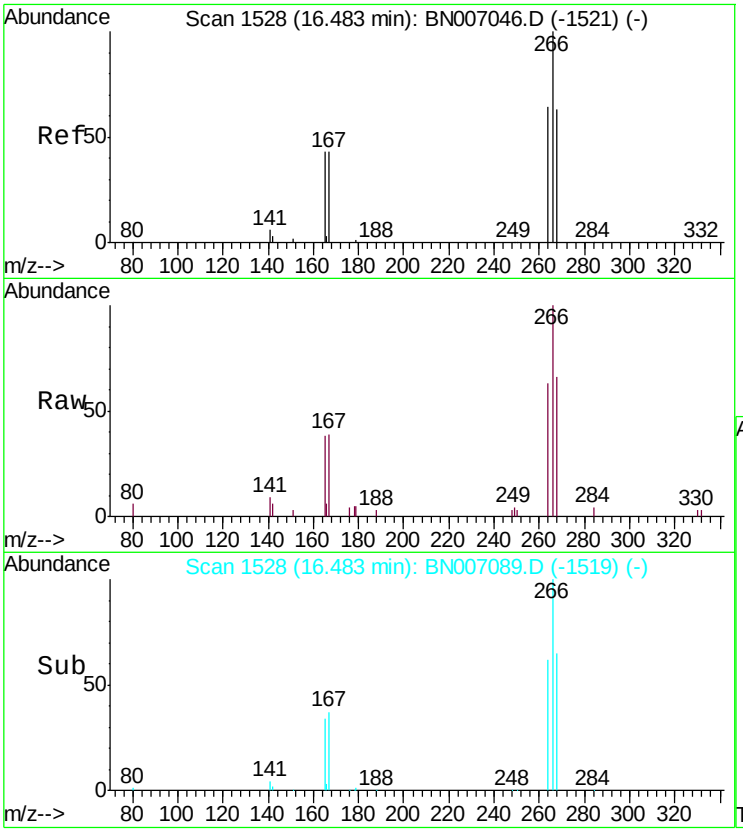


#20
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:284 Resp: 10818

Ion	Ratio	Lower	Upper
284	100		
142	37.6	30.5	45.7
249	33.0	26.7	40.1



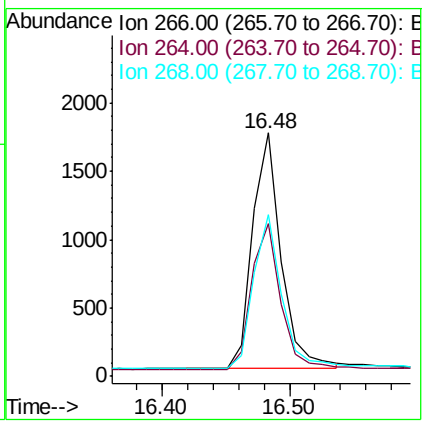


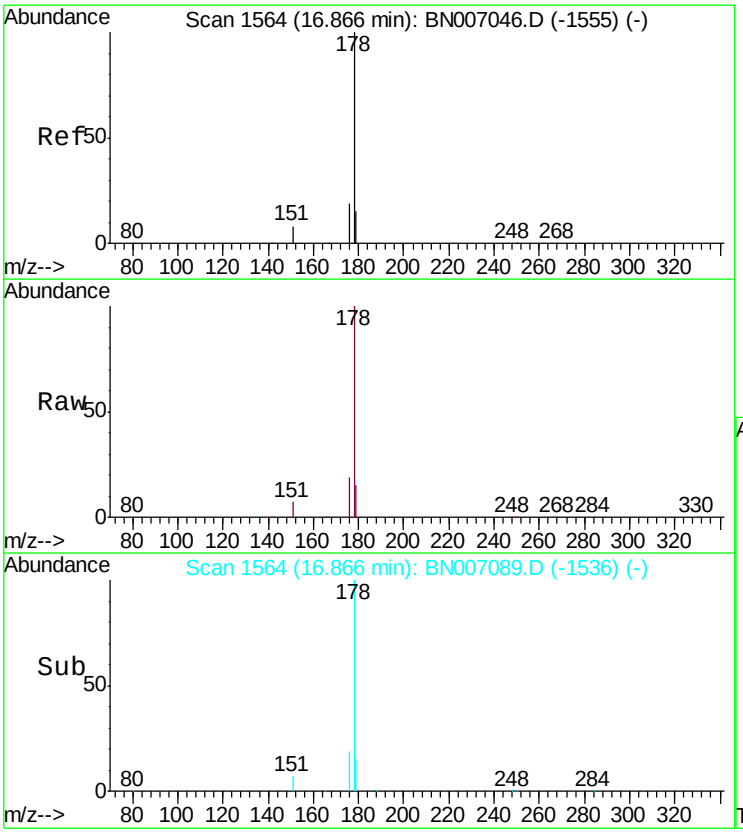
#21
Pentachlorophenol
Concen: 0.283 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:266 Resp: 2722

Ion	Ratio	Lower	Upper
266	100		
264	62.8	52.3	78.5
268	66.3	51.5	77.3

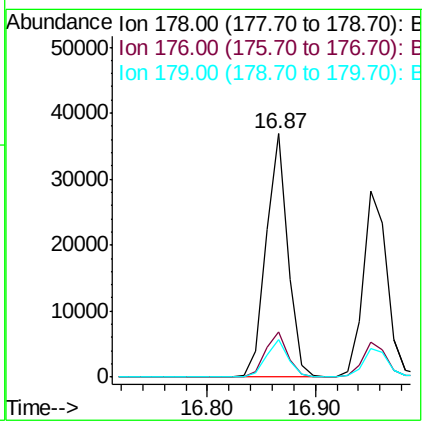


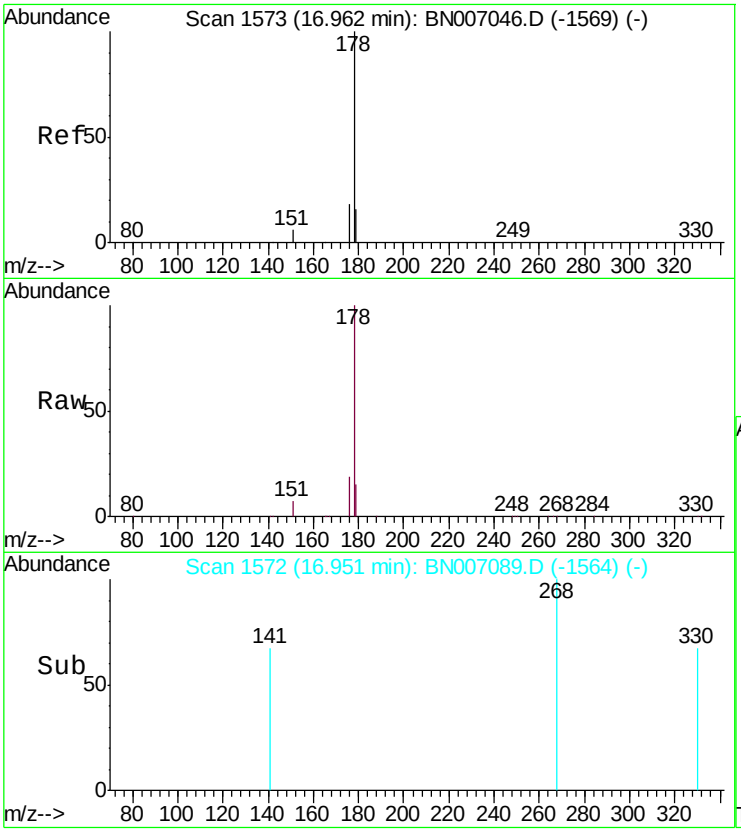


#22
Phenanthrene
Concen: 0.392 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:178 Resp: 50919

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.4	12.3	18.5



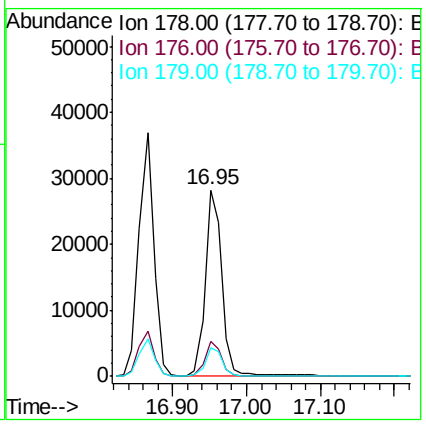


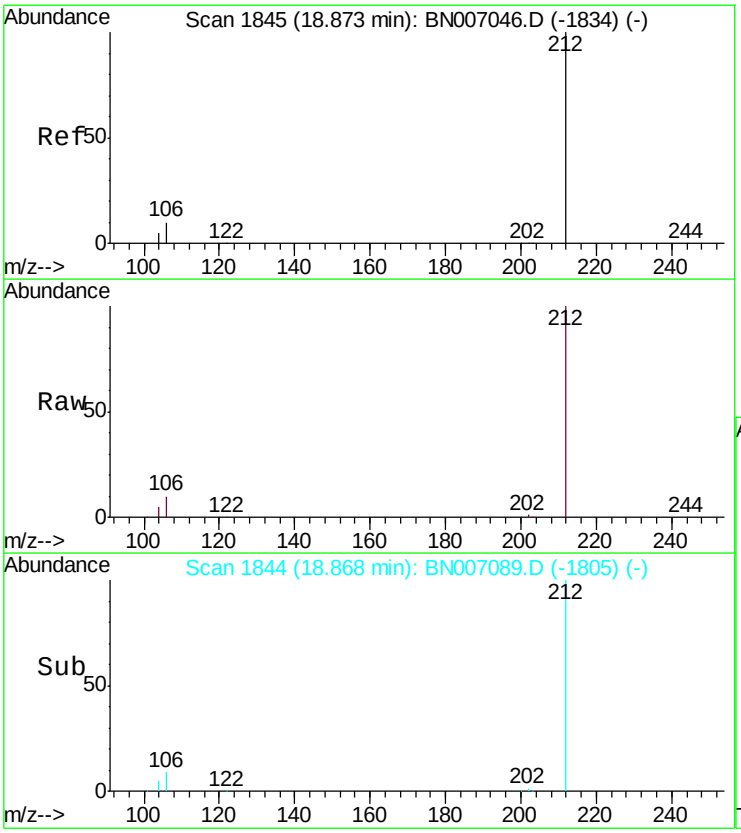
#23
Anthracene
Concen: 0.365 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 43295

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.4	12.5	18.7

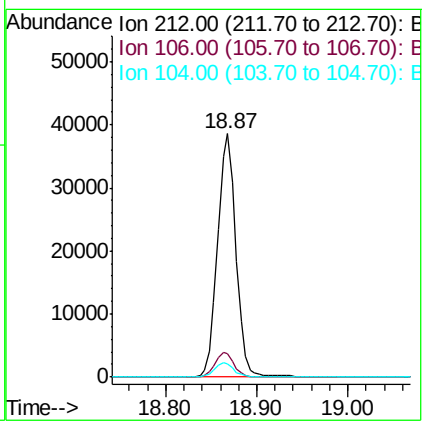


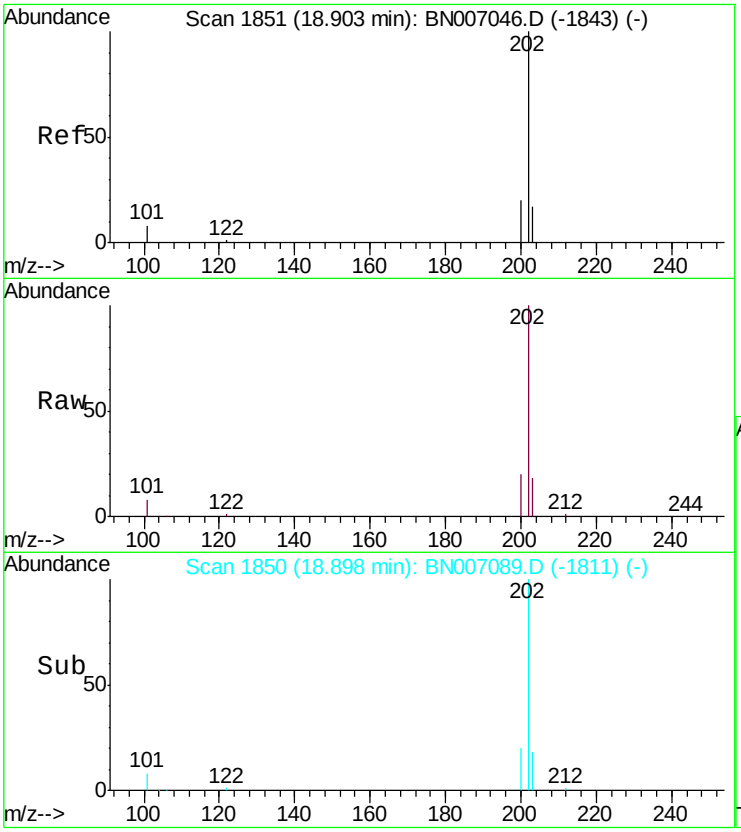


#24
Fluoranthene-d10
Concen: 0.347 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:212 Resp: 53284

Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.2	12.2
104	5.5	4.5	6.7



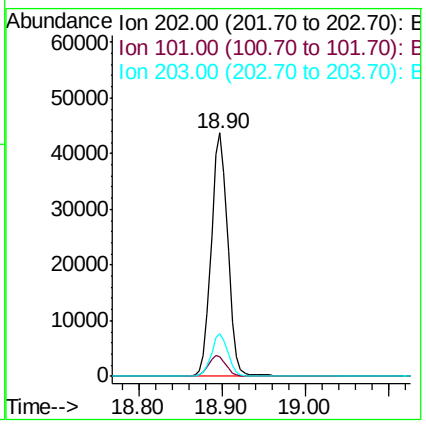


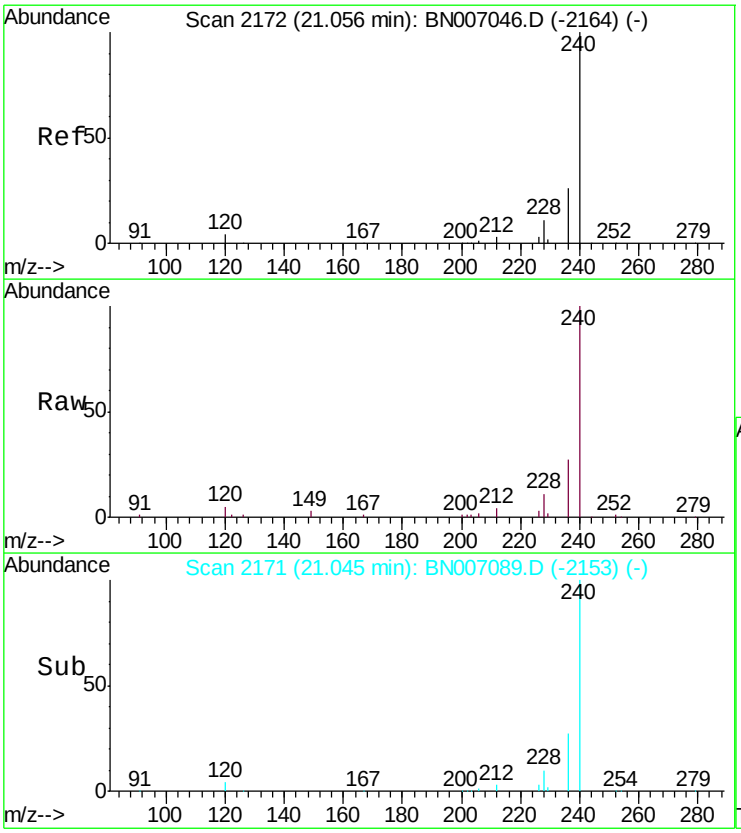
#25
Fluoranthene
Concen: 0.358 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:202 Resp: 59471

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
203	17.3	13.8	20.8

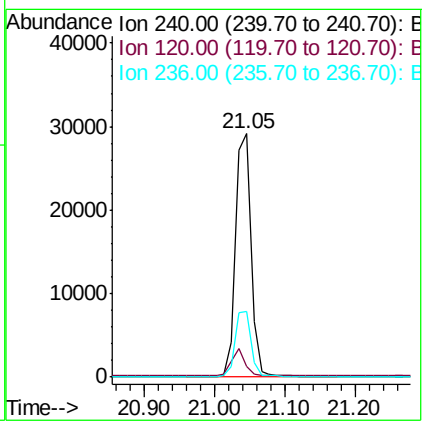


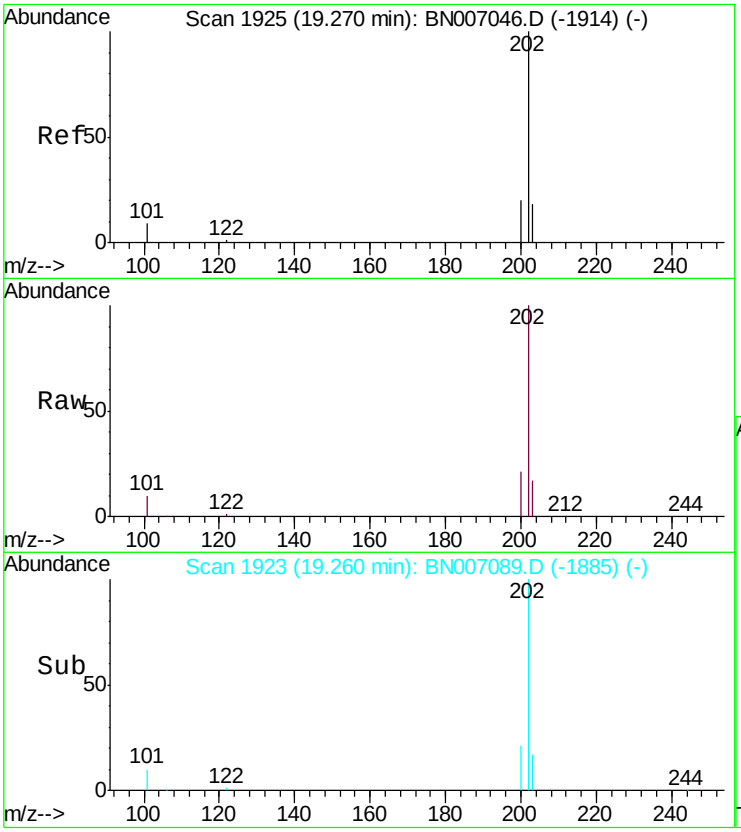


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:240 Resp: 43593

Ion	Ratio	Lower	Upper
240	100		
120	4.6	4.0	6.0
236	26.9	21.3	31.9



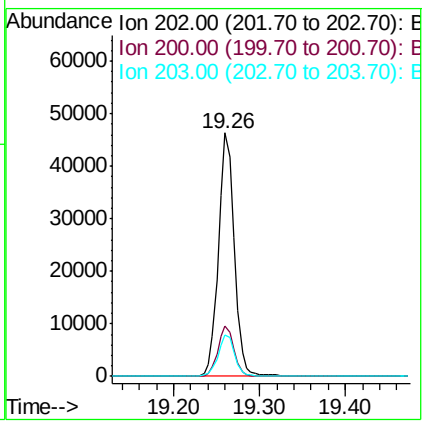


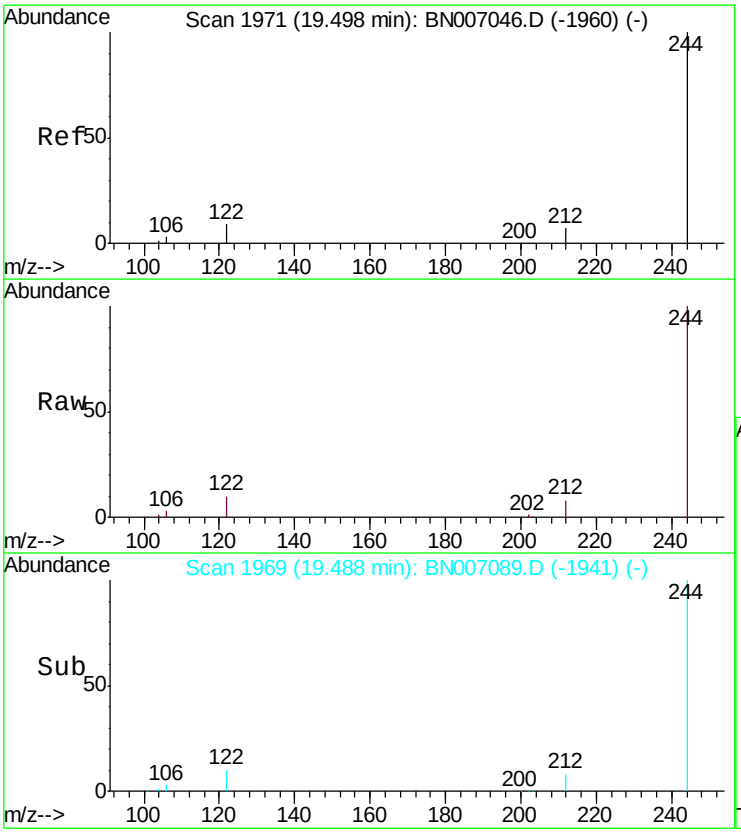
#27
Pyrene
Concen: 0.388 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:202 Resp: 59350

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	17.5	14.0	21.0

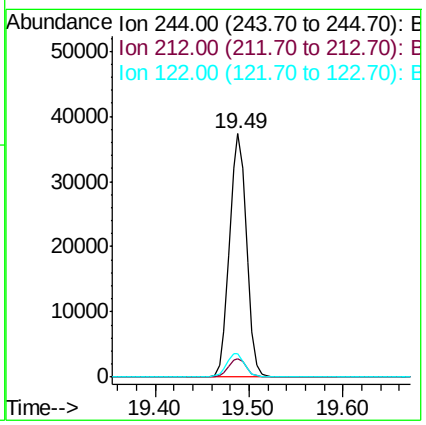


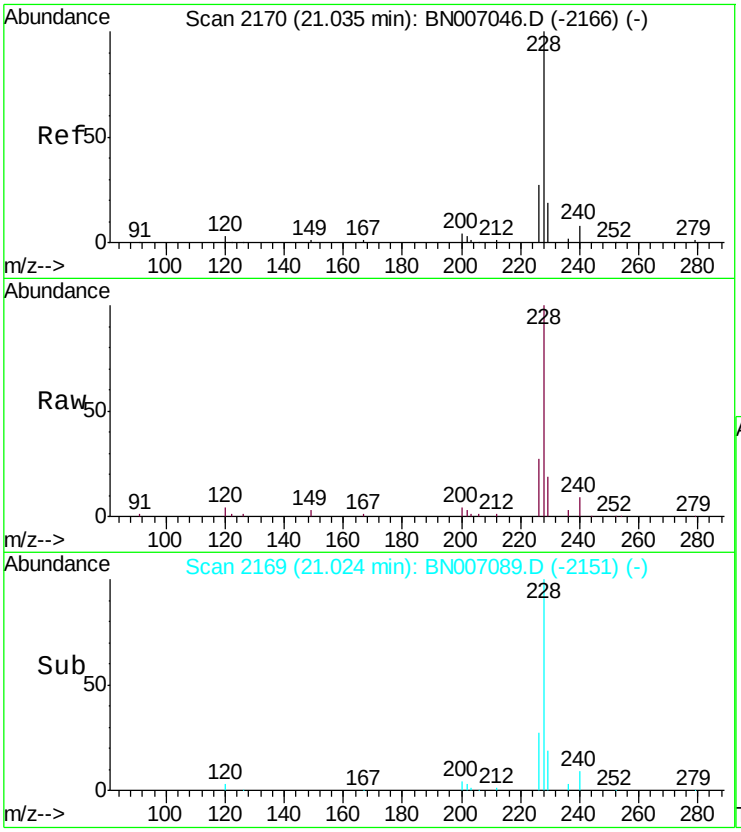


#28
Terphenyl-d14
Concen: 0.391 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:244 Resp: 46473

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	9.8	7.4	11.2



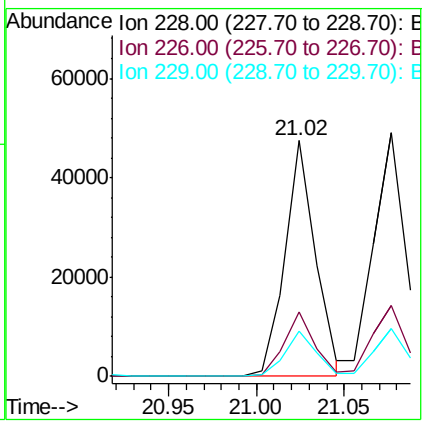


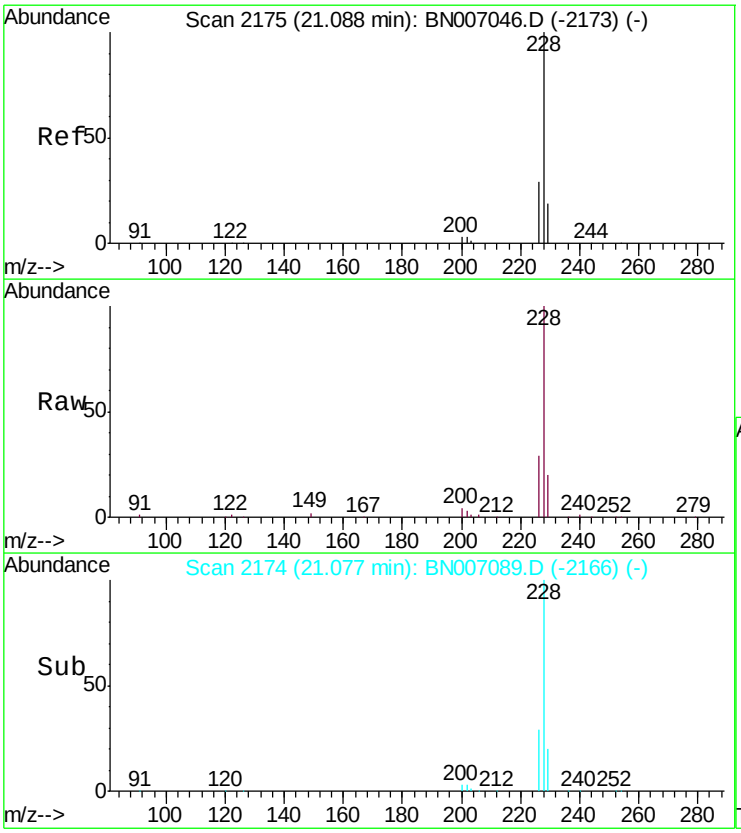
#29
Benzo(a)anthracene
Concen: 0.360 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 57368

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	19.4	15.6	23.4

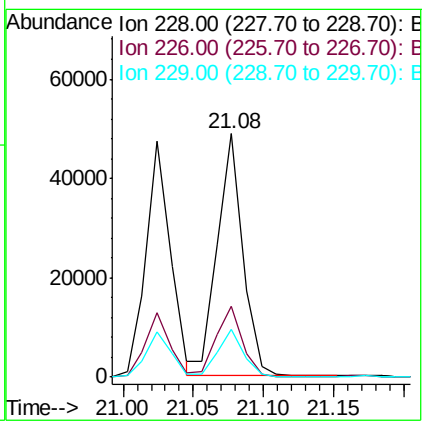


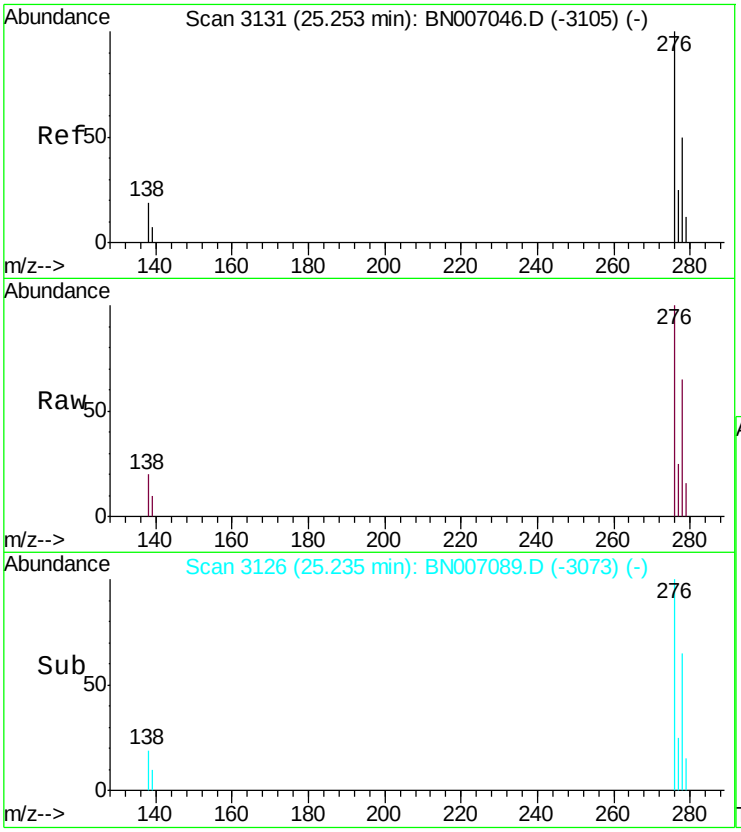


#30
Chrysene
Concen: 0.401 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:228 Resp: 62105

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.8	35.6
229	19.7	15.7	23.5



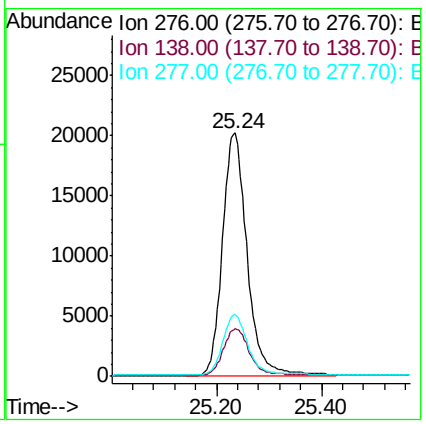


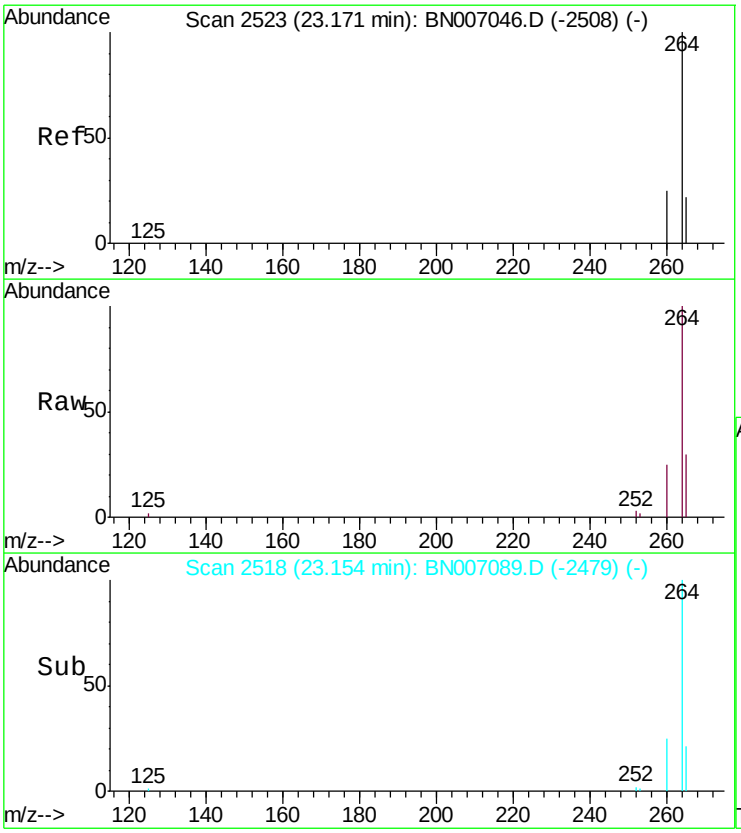
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 65952

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.0	24.0
277	24.6	19.9	29.9

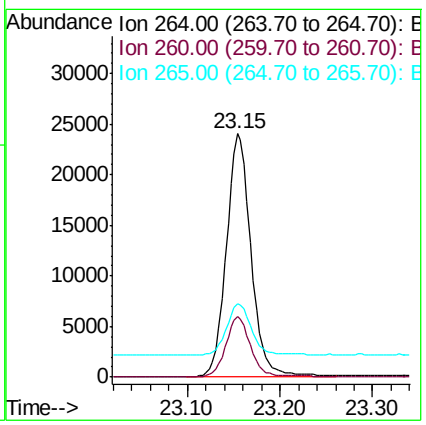


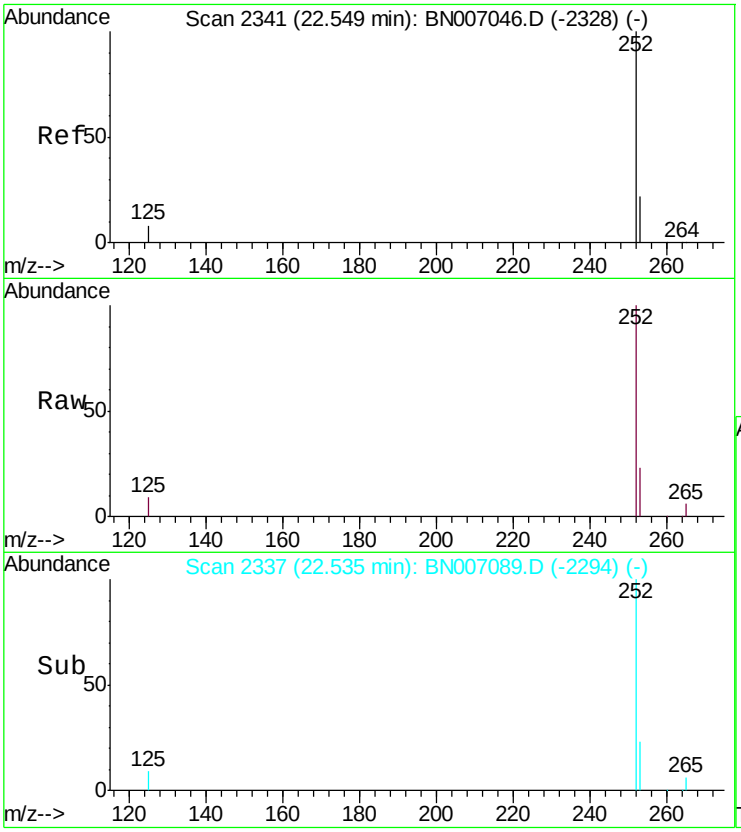


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:264 Resp: 44340

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	29.9	26.2	39.4



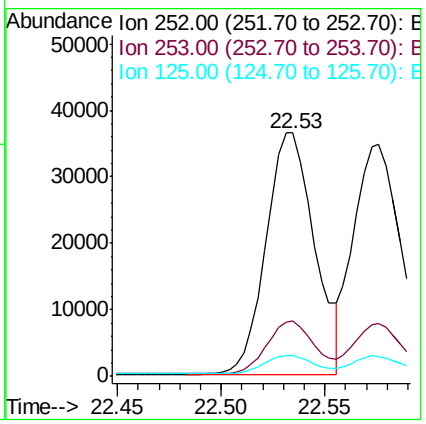


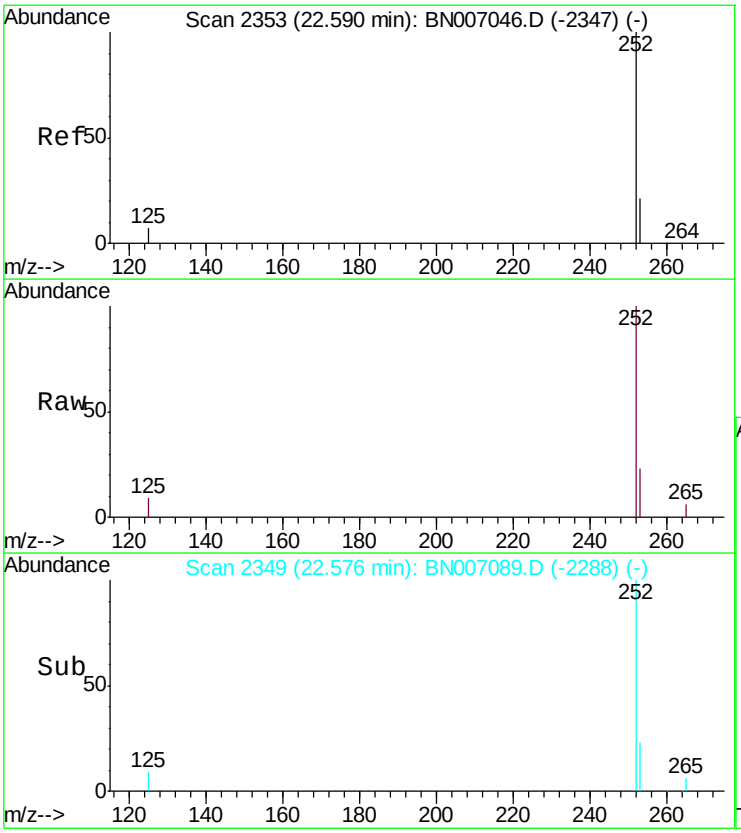
#33
Benzo(b)fluoranthene
Concen: 0.387 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 58902

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	8.5	7.4	11.0

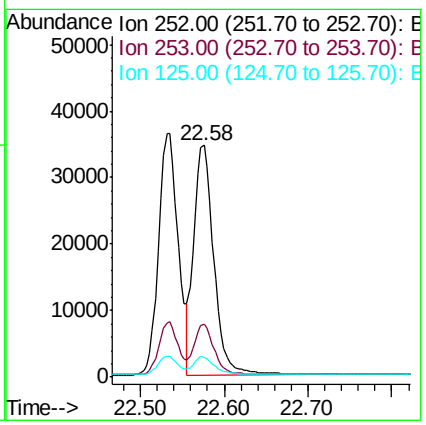


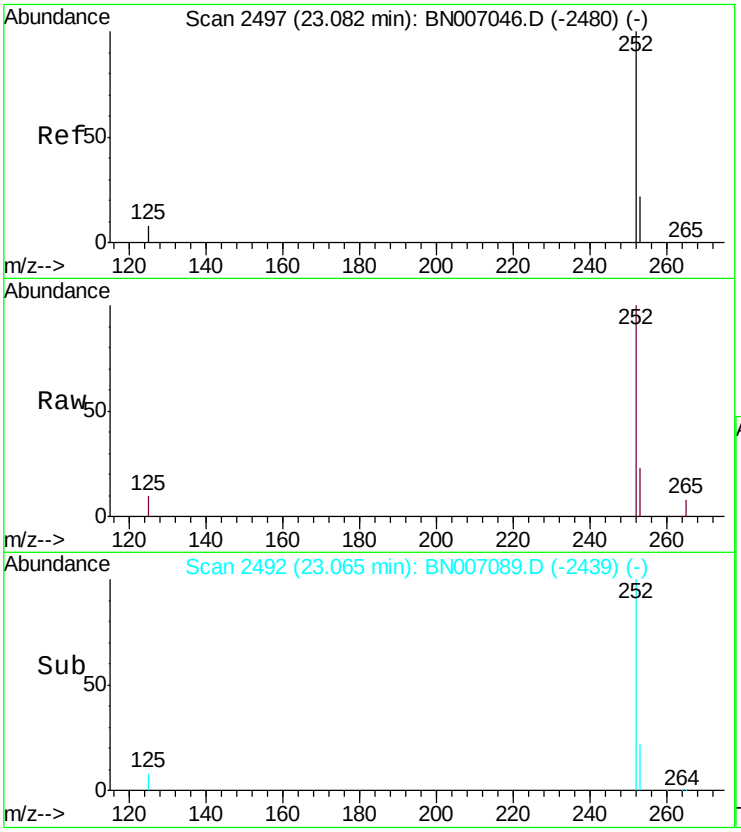


#34
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:252 Resp: 57662

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	8.7	7.4	11.0



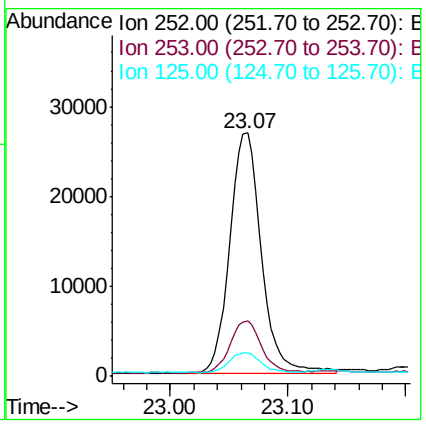


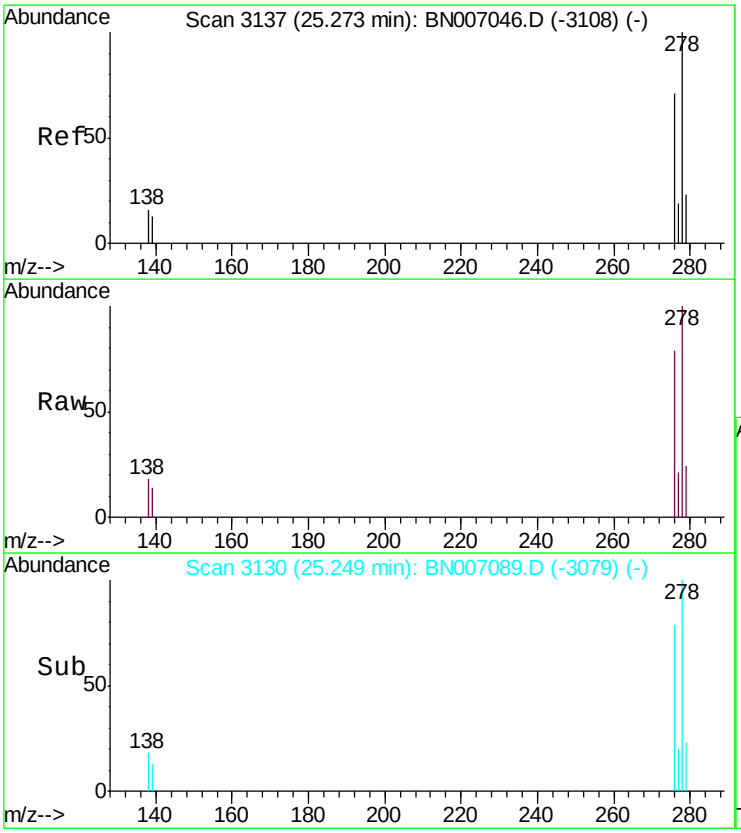
#35
Benzo(a)pyrene
Concen: 0.362 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 49852

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.9	8.2	12.4

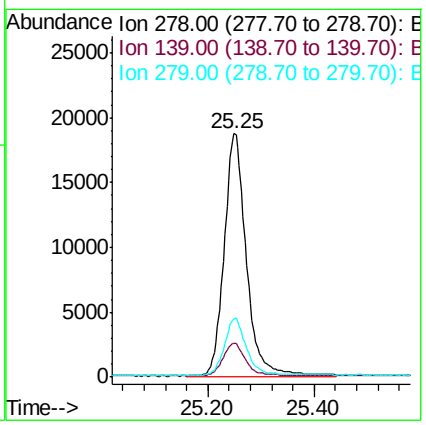


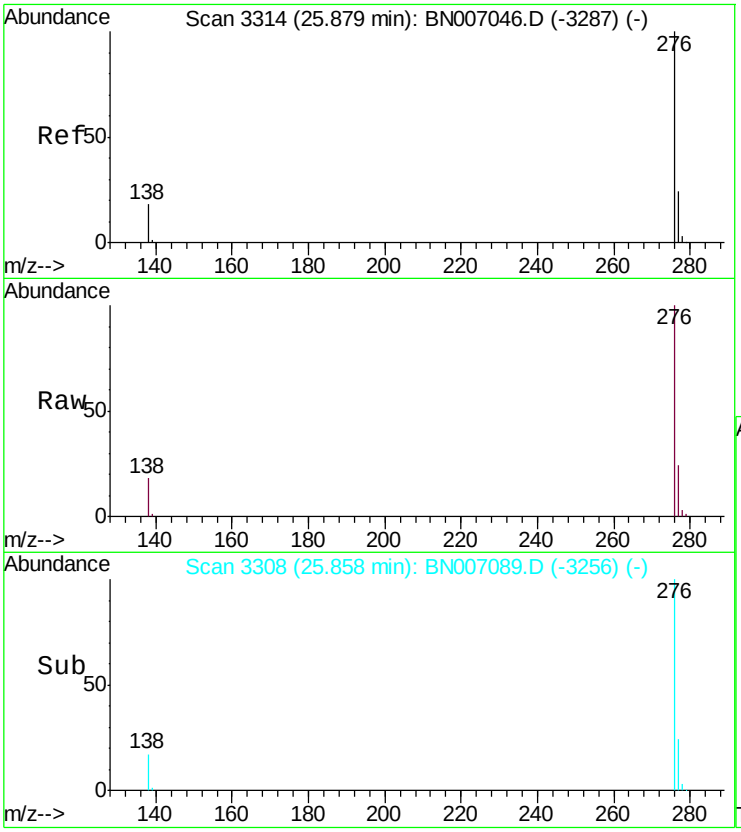


#36
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Tgt Ion:278 Resp: 54404

Ion	Ratio	Lower	Upper
278	100		
139	13.9	11.3	16.9
279	23.9	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 0.387 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007089.D
Acq: 11 Aug 2019 16:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 54776

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	17.8	14.6	22.0