Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
Data File : BN008007.D
Acq On : 04 Oct 2019 17:23
Operator : JU
Sample : PB123460BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Oct 05 01:24:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	179	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	31	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	15	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	34	0.40	ng	-0.02
27) Chrysene-d12	21.24	240	47	0.40	ng	-0.03
34) Perylene-d12	23.46	264	4	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	11864	19.26	ng	0.00
5) Phenol-d6	6.86	99	15627	20.67	ng	0.00
8) Nitrobenzene-d5	8.82	82	14074	519.05	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	29994	574.31	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	4285	524.50	ng	-0.02
15) 2-Fluorobiphenyl	12.92	172	39440	638.39	ng	-0.02
25) Fluoranthene-d10	19.08	212	60436	527.39	ng	-0.02
29) Terphenyl-d14	19.69	244	49570	429.38	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	3679	18.440	ng	# 92
3) n-Nitrosodimethylamine	3.03	42	2517	27.544	ng	# 92
6) bis(2-Chloroethyl)ether	7.11	93	14572	28.751	ng	# 83
9) Naphthalene	10.49	128	46057	529.402	ng	99
10) Hexachlorobutadiene	10.79	225	9656	526.955	ng	# 100
12) 2-Methylnaphthalene	12.11	142	31634	537.978	ng	99
16) Acenaphthylene	14.01	152	47262	594.092	ng	100
17) Acenaphthene	14.36	154	29387	572.982	ng	98
18) Fluorene	15.35	166	37506	570.575	ng	100
20) 4-Bromophenyl-phenylether	16.24	248	11950	578.966	ng	# 80
21) Hexachlorobenzene	16.37	284	13341	591.342	ng	97
22) Pentachlorophenol	16.71	266	7852	943.874	ng	97
23) Phenanthrene	17.09	178	57868	546.359	ng	100
24) Anthracene	17.18	178	55627	581.503	ng	100
26) Fluoranthene	19.11	202	67169	510.014	ng	99
28) Pyrene	19.48	202	67198	419.210	ng	99
30) Benzo(a)anthracene	21.23	228	57386	331.560	ng	99
31) Chrysene	21.28	228	57223	339.238	ng	99
32) Bis(2-ethylhexyl)phthalate	21.17	149	25947	291.492	ng	100
33) Indeno(1,2,3-cd)pyrene	25.66	276	46154	218.541	ng	99
35) Benzo(b)fluoranthene	22.79	252	49783	3584.928	ng	99
36) Benzo(k)fluoranthene	22.84	252	52132	3796.491	ng	99
37) Benzo(a)pyrene	23.36	252	47301	3624.646	ng	97
38) Dibenzo(a,h)anthracene	25.67	278	38032	2848.208	ng	98
39) Benzo(g,h,i)perylene	26.33	276	38179	2889.612	ng	99

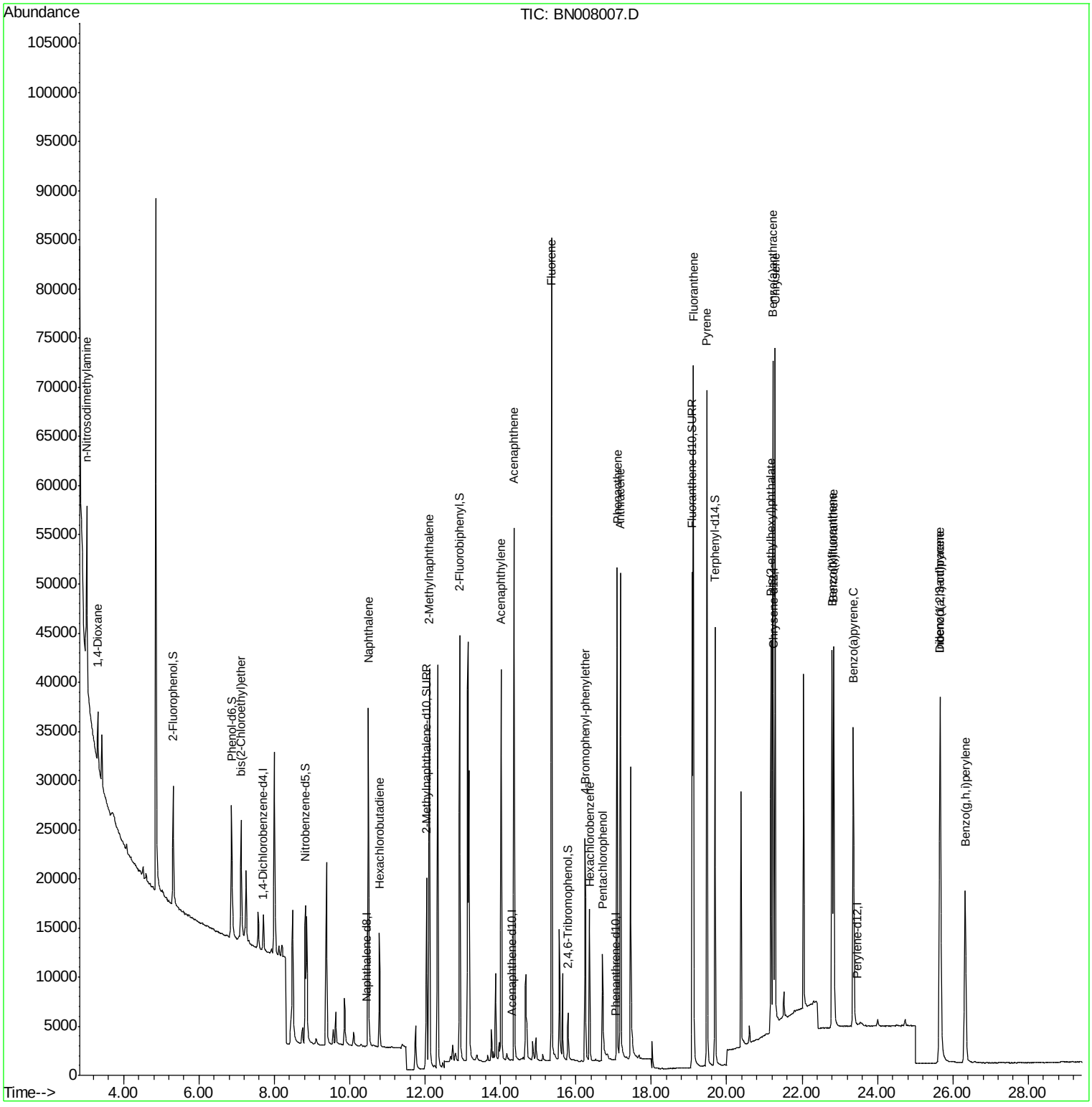
(#) = qualifier out of range (m) = manual integration (+) = signals summed

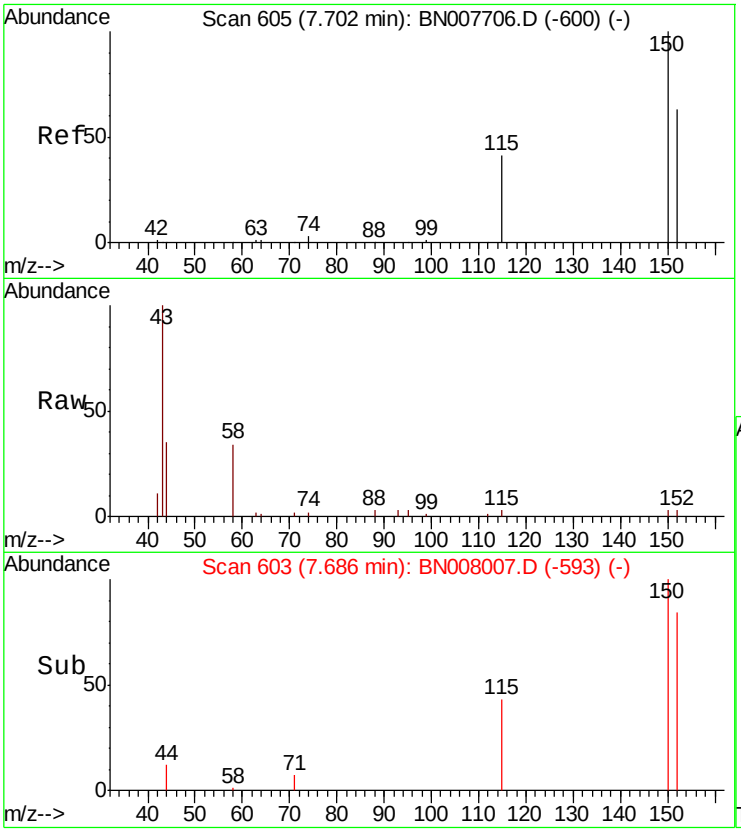
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
Data File : BN008007.D
Acq On : 04 Oct 2019 17:23
Operator : JU
Sample : PB123460BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Oct 05 01:24:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration



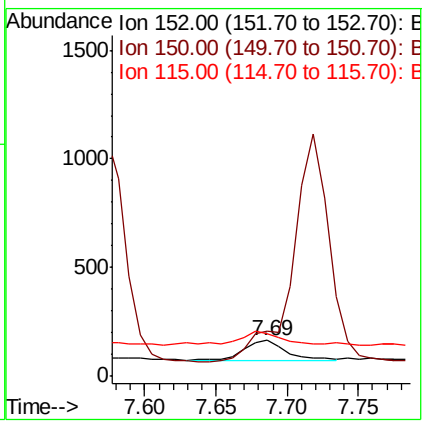


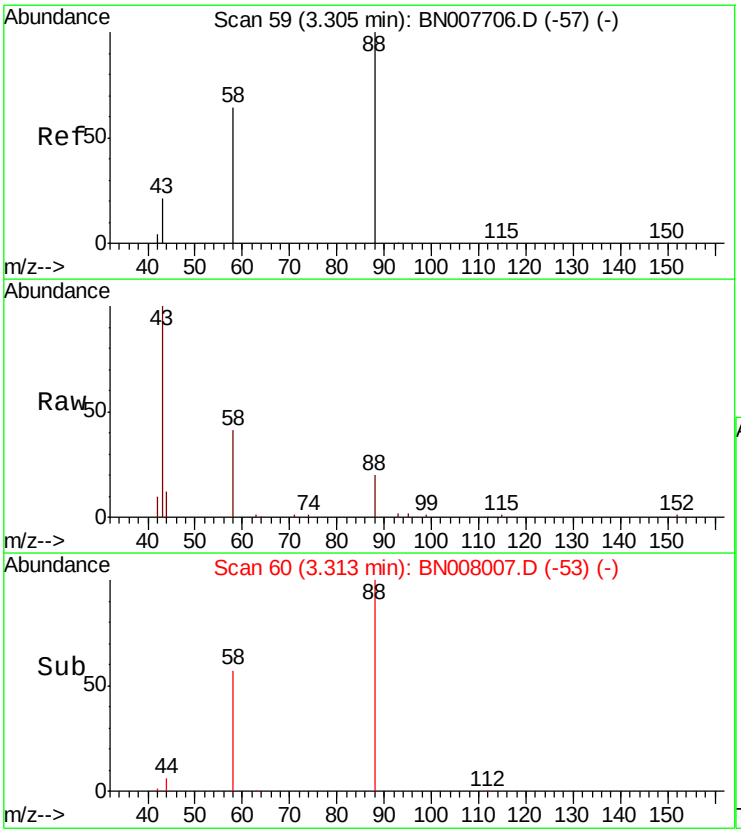
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 179

Ion	Ratio	Lower	Upper
152	100		
150	124.1	125.6	188.4#
115	116.9	53.3	79.9#

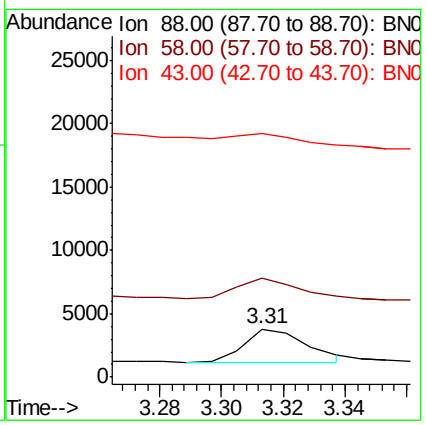


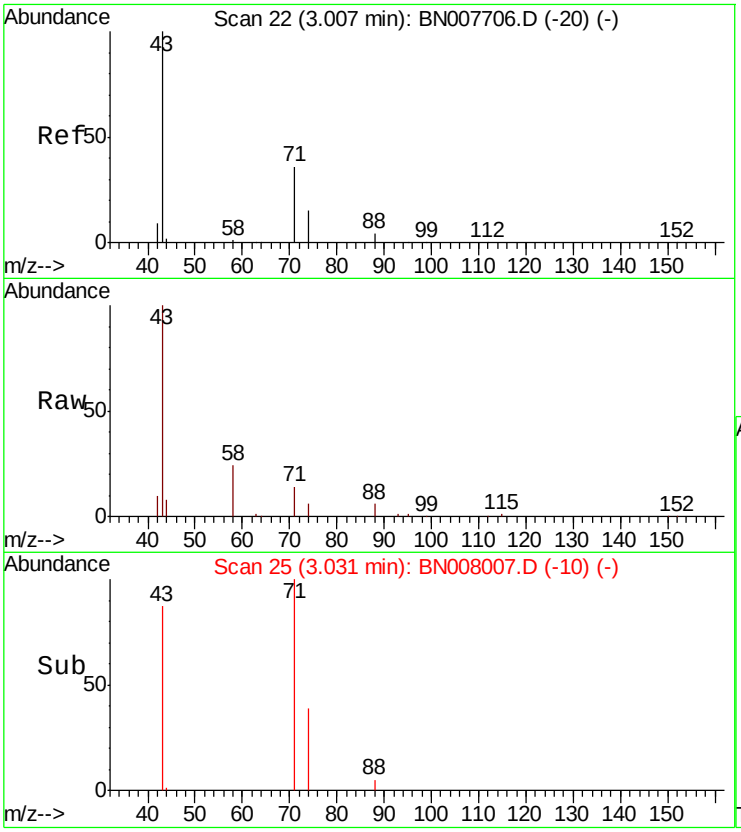


#2
1,4-Dioxane
Concen: 18.440 ng
RT: 3.31 min Scan# 60
Delta R.T. 0.01 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion: 88 Resp: 3679

Ion	Ratio	Lower	Upper
88	100		
58	55.5	44.6	66.8
43	31.5	14.4	21.6#



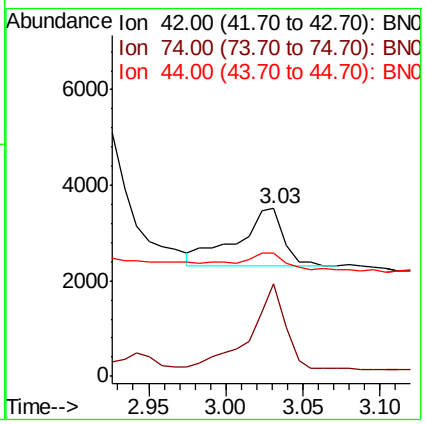


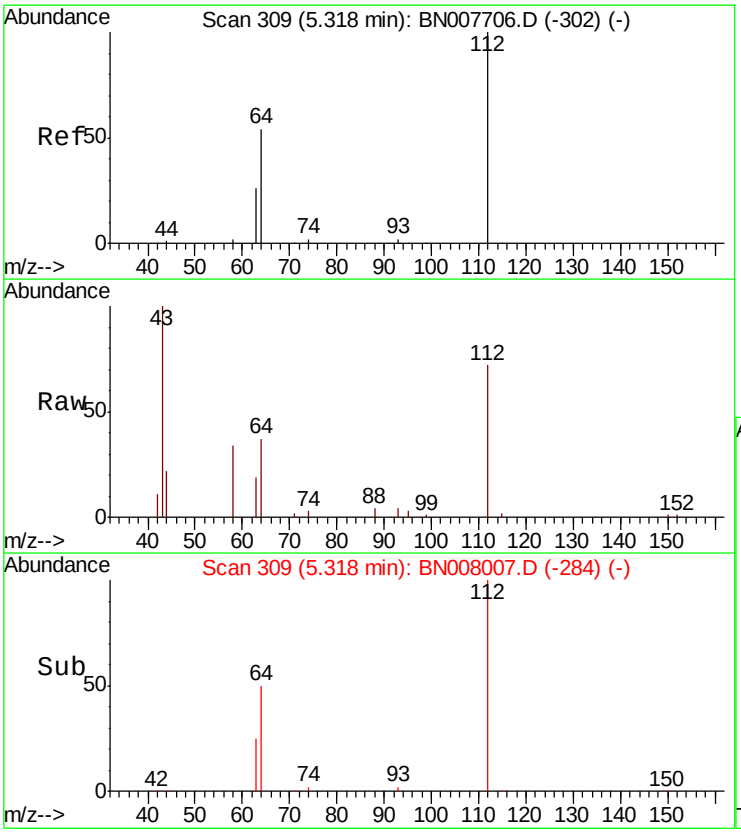
#3
n-Nitrosodimethylamine
Concen: 27.544 ng
RT: 3.03 min Scan# 25
Delta R.T. 0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 2517

Ion	Ratio	Lower	Upper
42	100		
74	107.7	87.9	131.9
44	20.4	29.4	44.0#

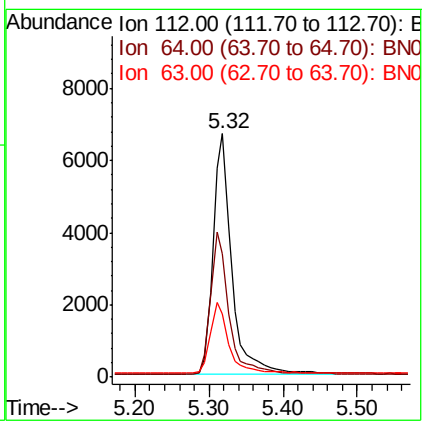


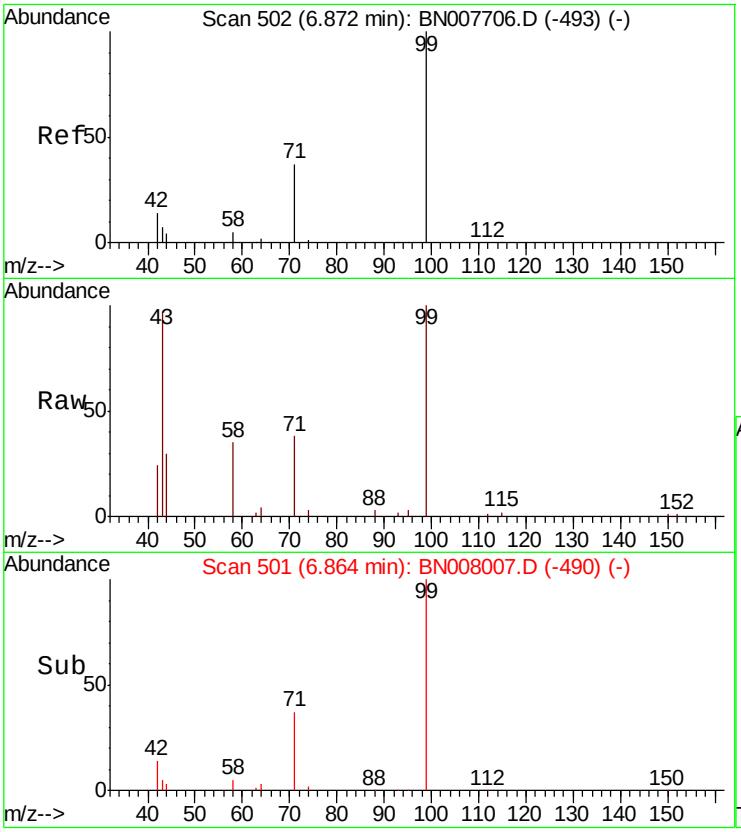


#4
2-Fluorophenol
Concen: 19.257 ng
RT: 5.32 min Scan# 309
Delta R.T. 0.00 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:112 Resp: 11864

Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.6	70.0
63	29.7	23.1	34.7



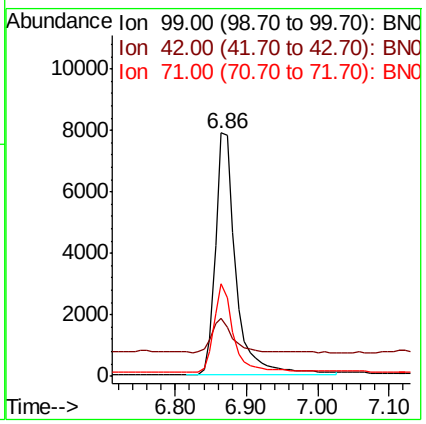


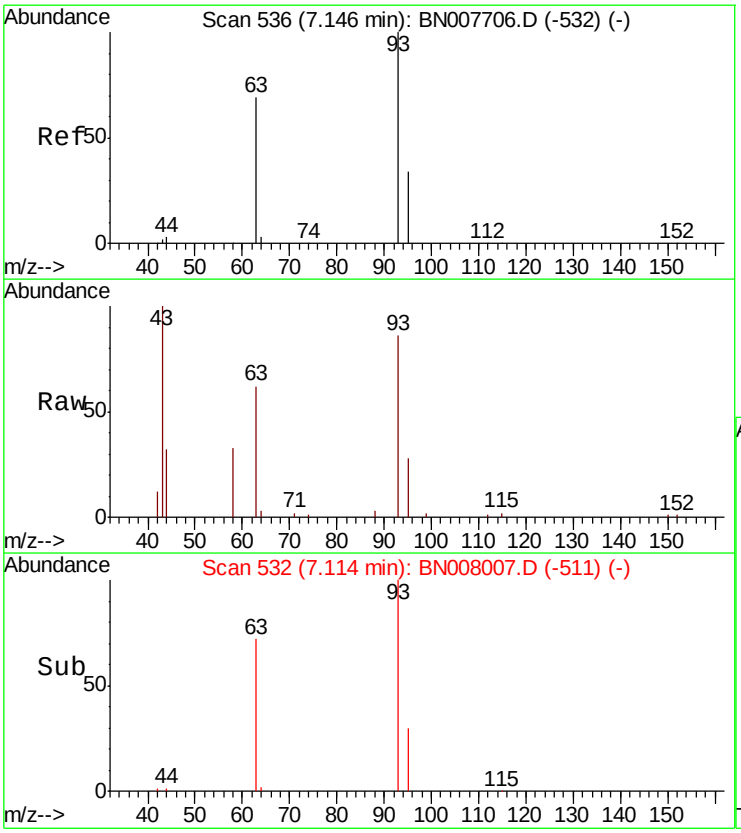
#5
Phenol-d6
Concen: 20.667 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 15627

Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.8	19.2
71	34.9	27.6	41.4

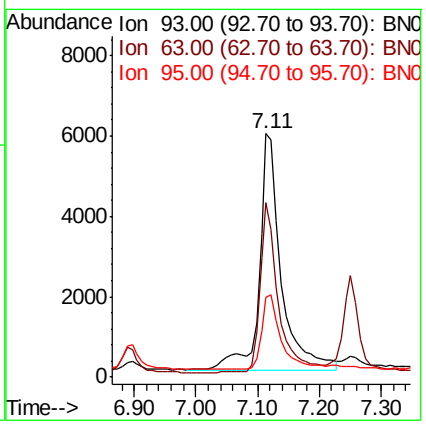


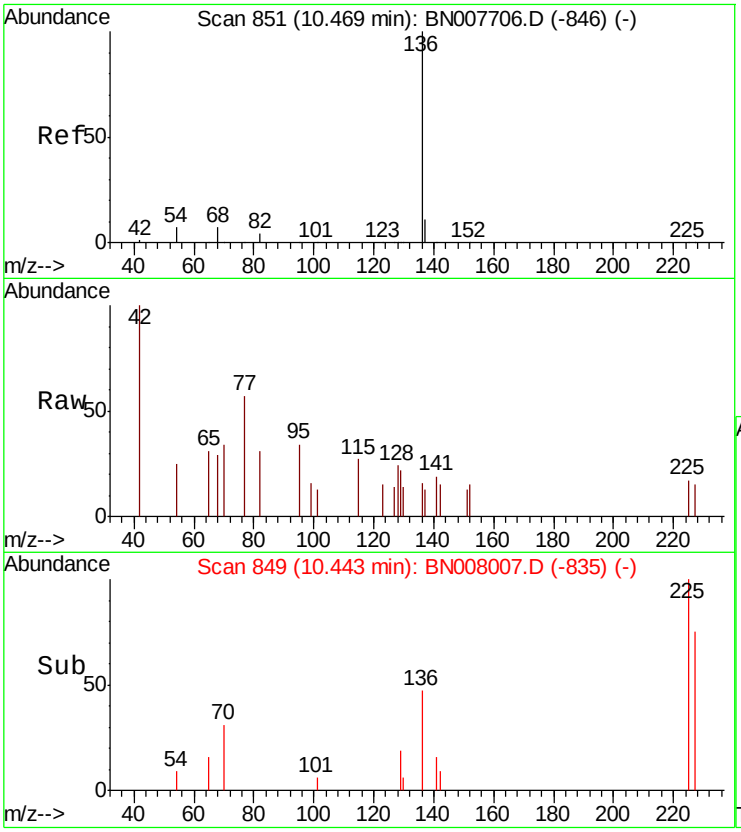


#6
bis(2-Chloroethyl)ether
Concen: 28.751 ng
RT: 7.11 min Scan# 532
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion: 93 Resp: 14572

Ion	Ratio	Lower	Upper
93	100		
63	60.4	59.3	88.9
95	27.6	31.4	47.0#



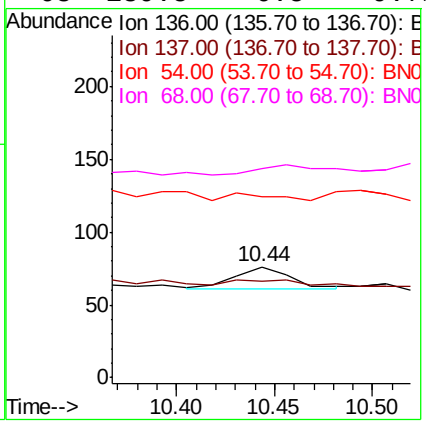


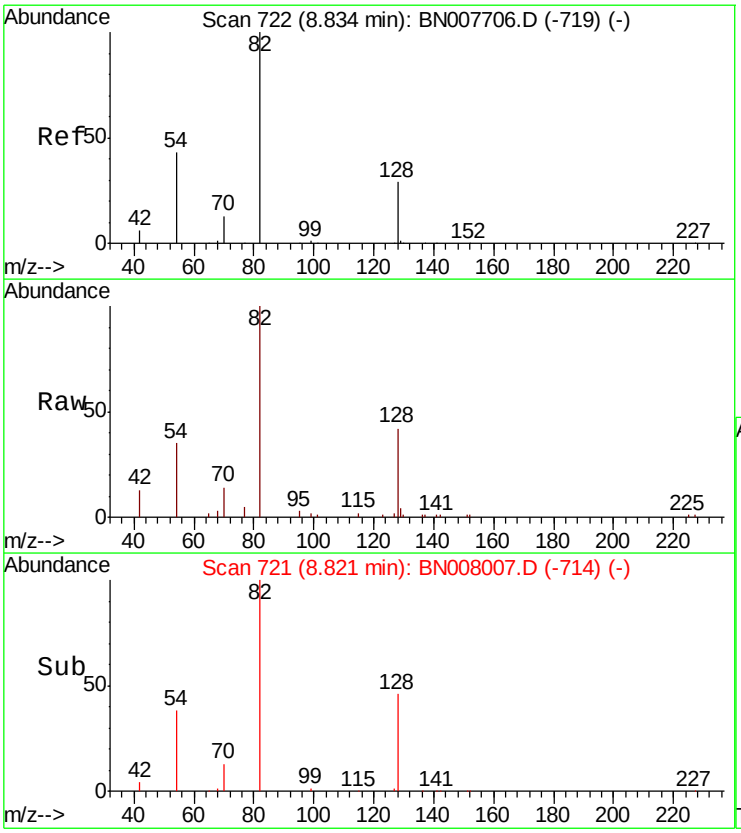
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 849
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 31

Ion	Ratio	Lower	Upper
136	100		
137	86.8	9.2	13.8#
54	163.2	5.8	8.8#
68	189.5	6.5	9.7#

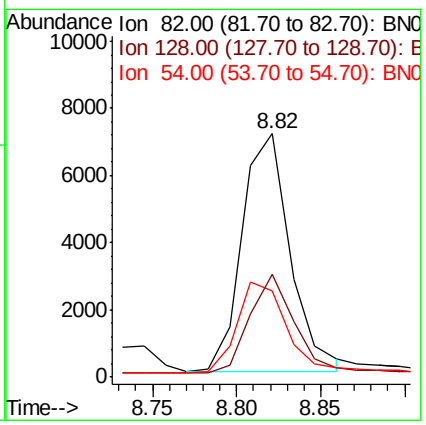


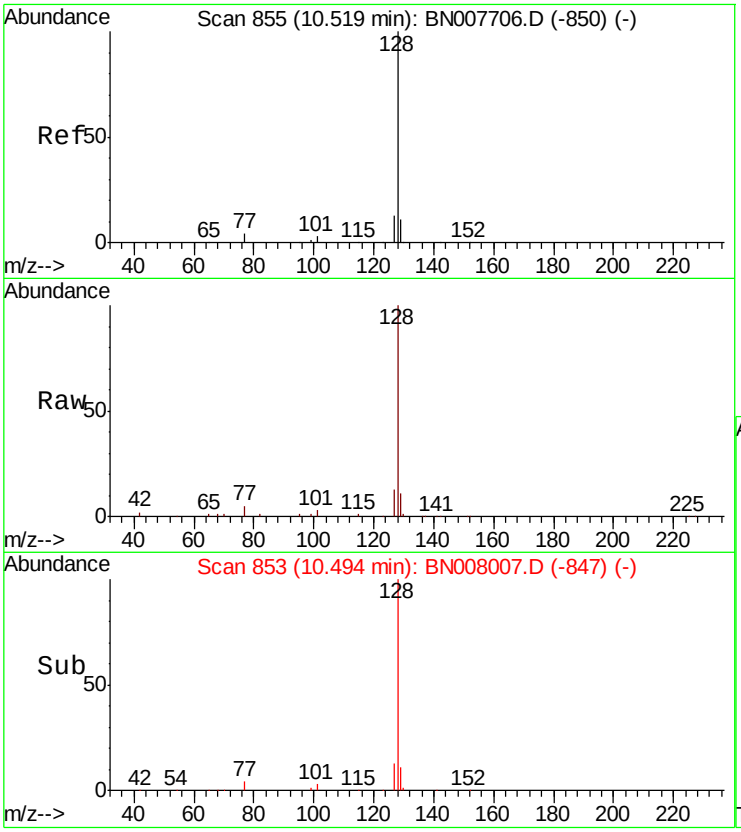


#8
Nitrobenzene-d5
Concen: 519.047 ng
RT: 8.82 min Scan# 721
Delta R.T. -0.01 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion: 82 Resp: 14074

Ion	Ratio	Lower	Upper
82	100		
128	42.4	24.5	36.7#
54	35.4	35.2	52.8



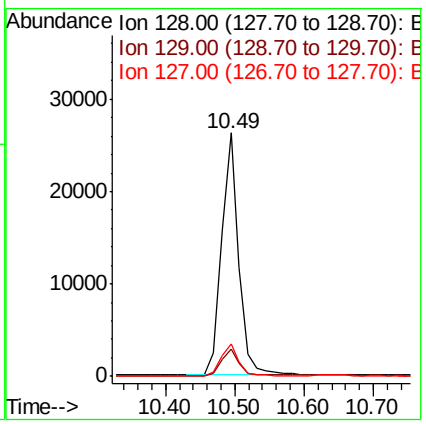


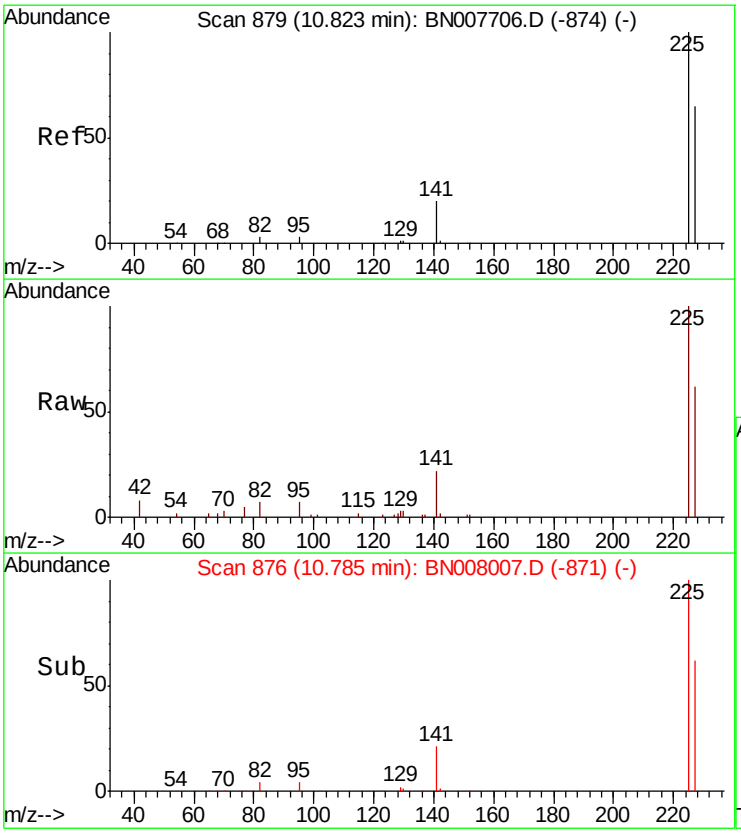
#9
Naphthalene
Concen: 529.402 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 46057

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.1	10.6	15.8

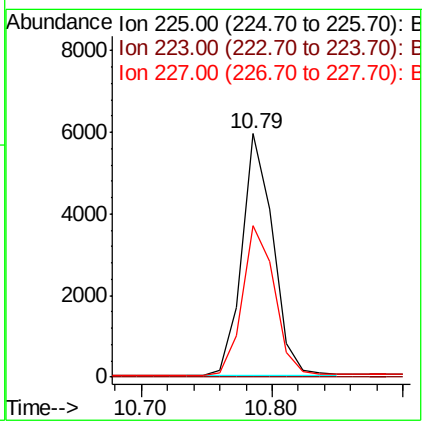


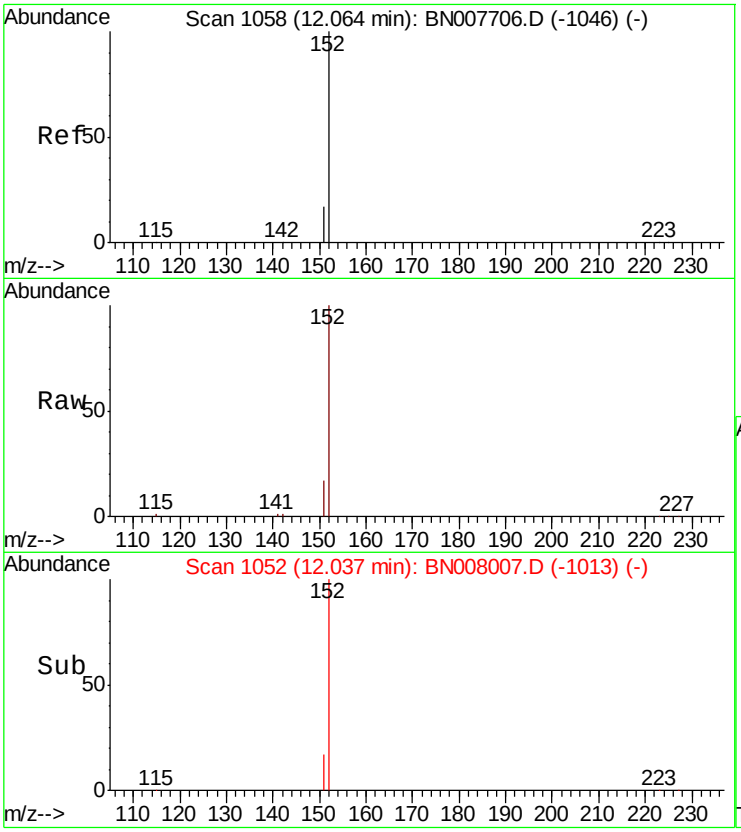


#10
Hexachlorobutadiene
Concen: 526.955 ng
RT: 10.79 min Scan# 876
Delta R.T. -0.04 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:225 Resp: 9656

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.2	76.8



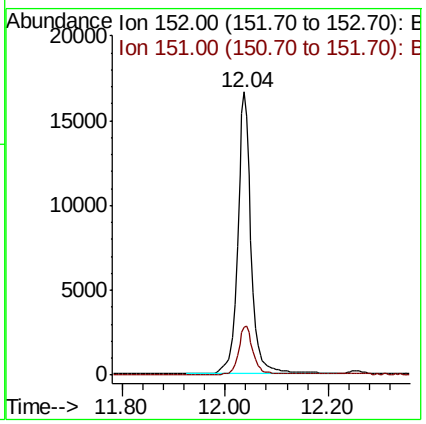


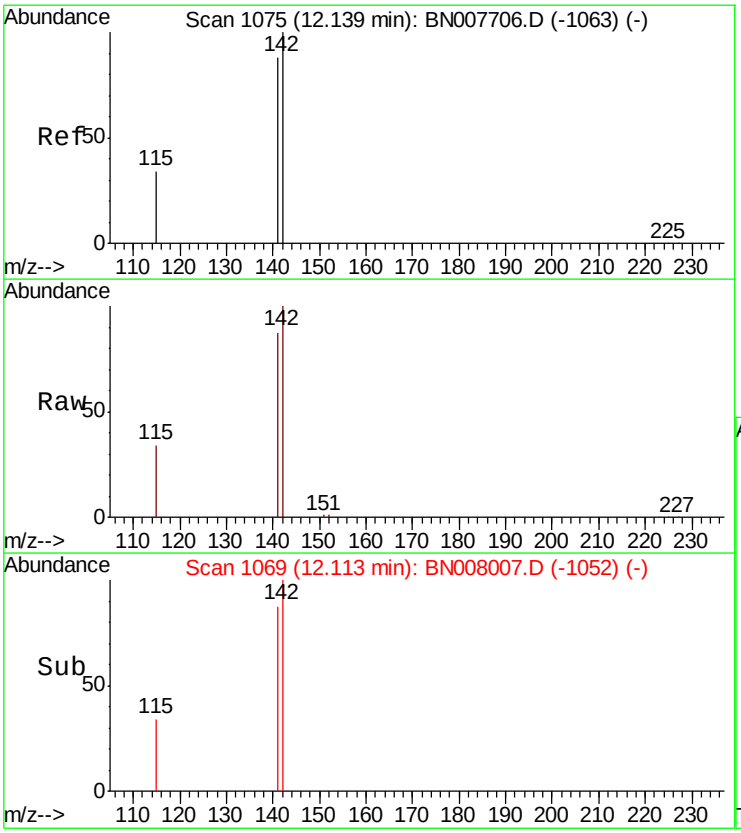
#11
2-Methylnaphthalene-d10
Concen: 574.307 ng
RT: 12.04 min Scan# 1052
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 29994

Ion	Ratio	Lower	Upper
152	100		
151	18.0	15.4	23.2

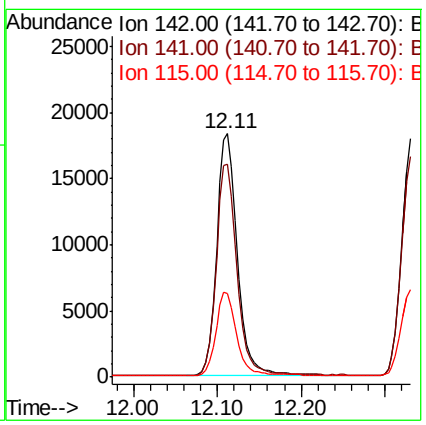


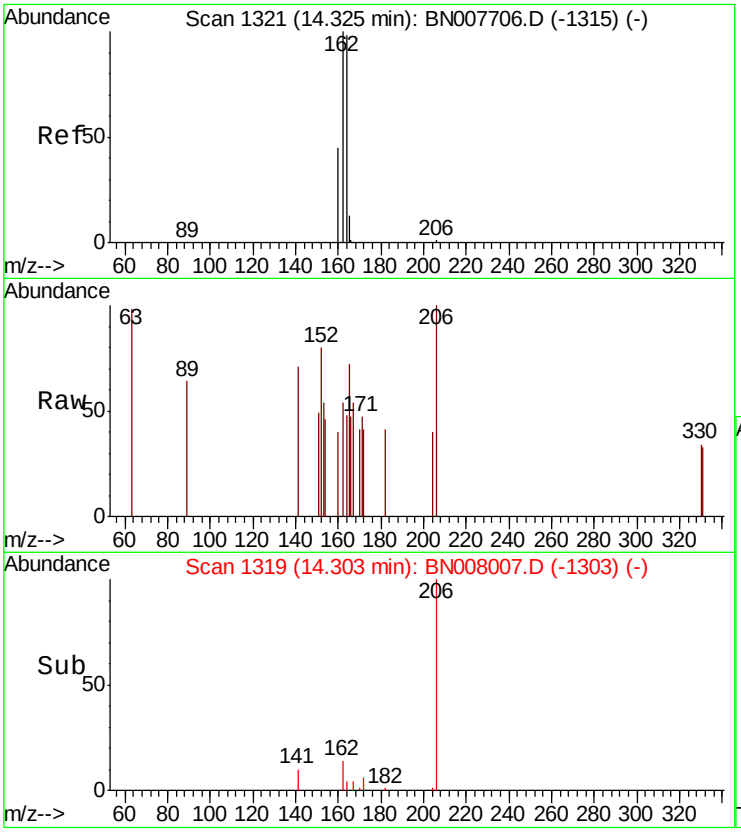


#12
2-Methylnaphthalene
Concen: 537.978 ng
RT: 12.11 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:142 Resp: 31634

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.6	106.0
115	34.4	28.3	42.5



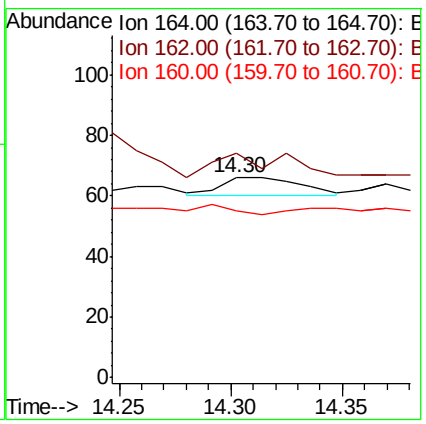


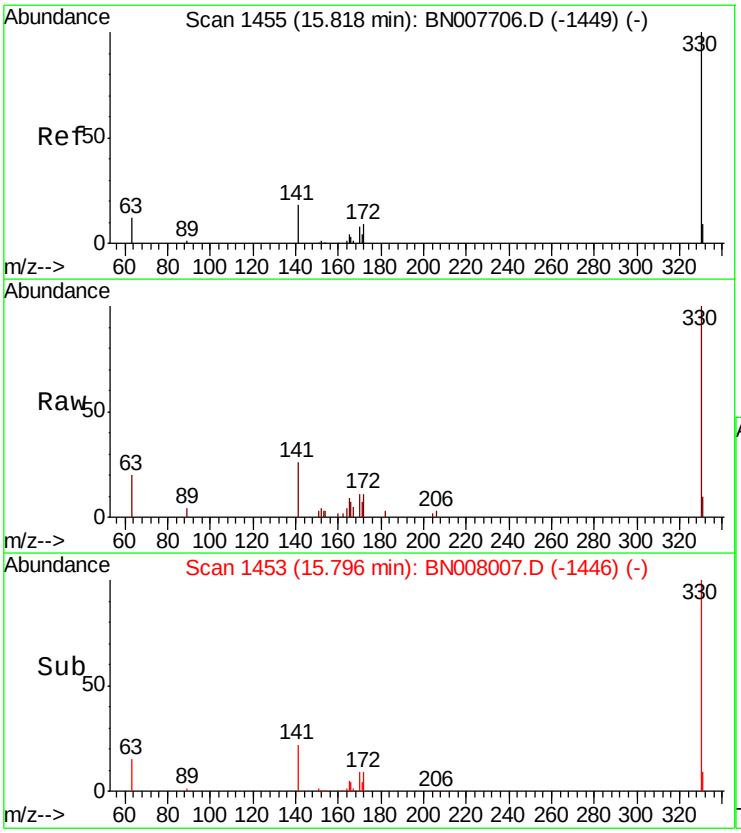
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 15

Ion	Ratio	Lower	Upper
164	100		
162	112.1	81.7	122.5
160	83.3	37.0	55.4#

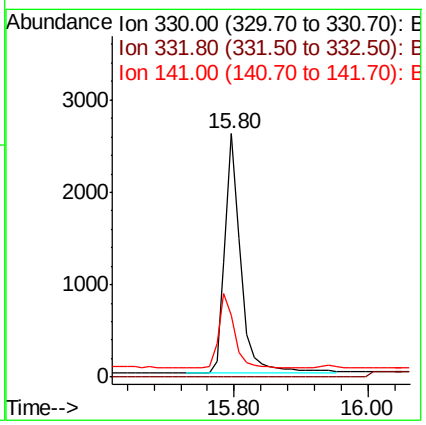


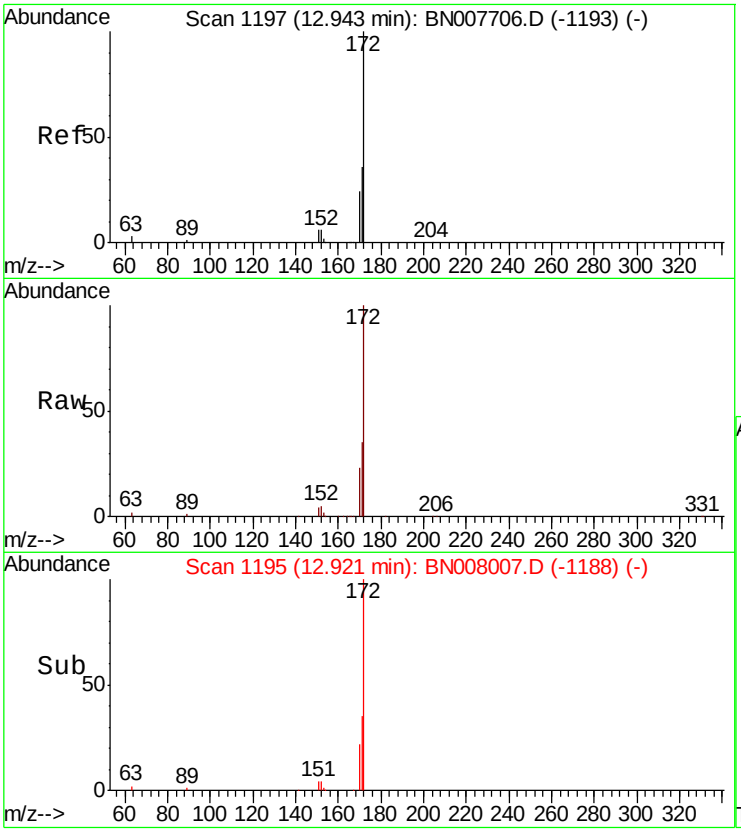


#14
2,4,6-Tribromophenol
Concen: 524.496 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:330 Resp: 4285

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.1	28.7	43.1



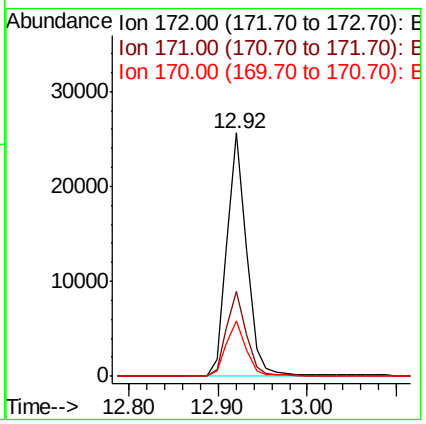


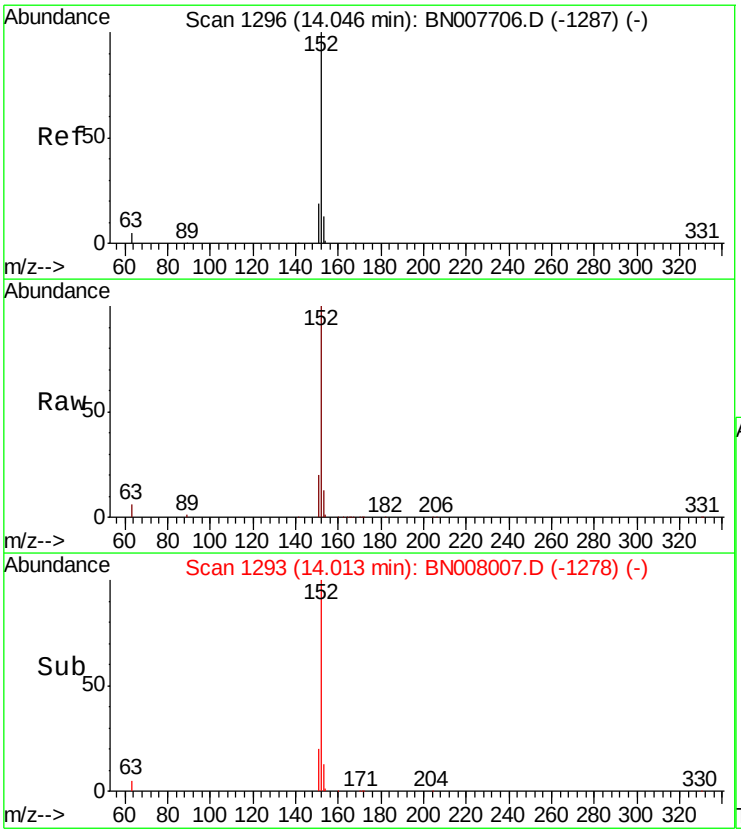
#15
2-Fluorobiphenyl
Concen: 638.387 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 39440

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	22.5	19.5	29.3

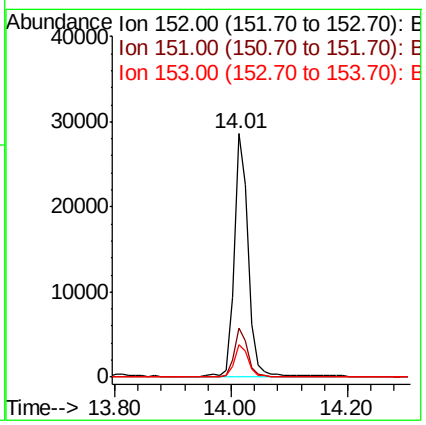


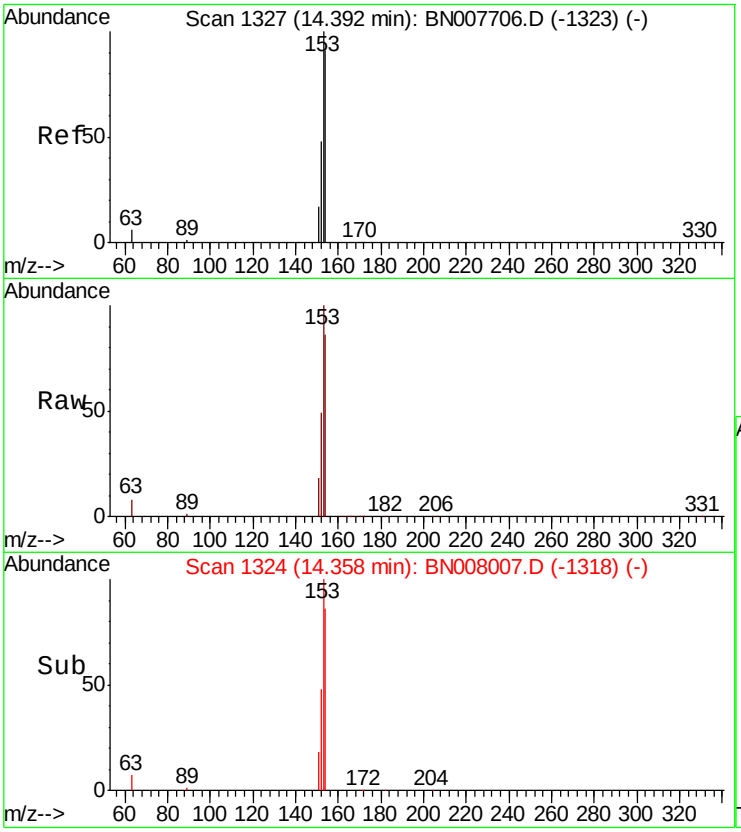


#16
Acenaphthylene
Concen: 594.092 ng
RT: 14.01 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:152 Resp: 47262

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.1	10.4	15.6



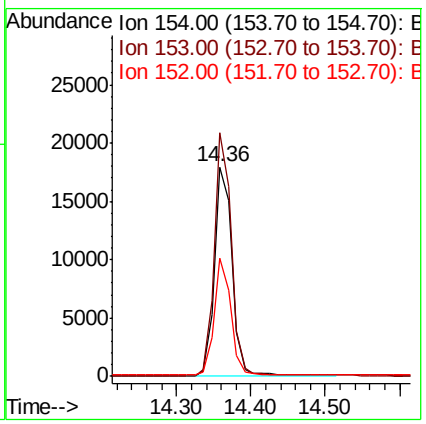


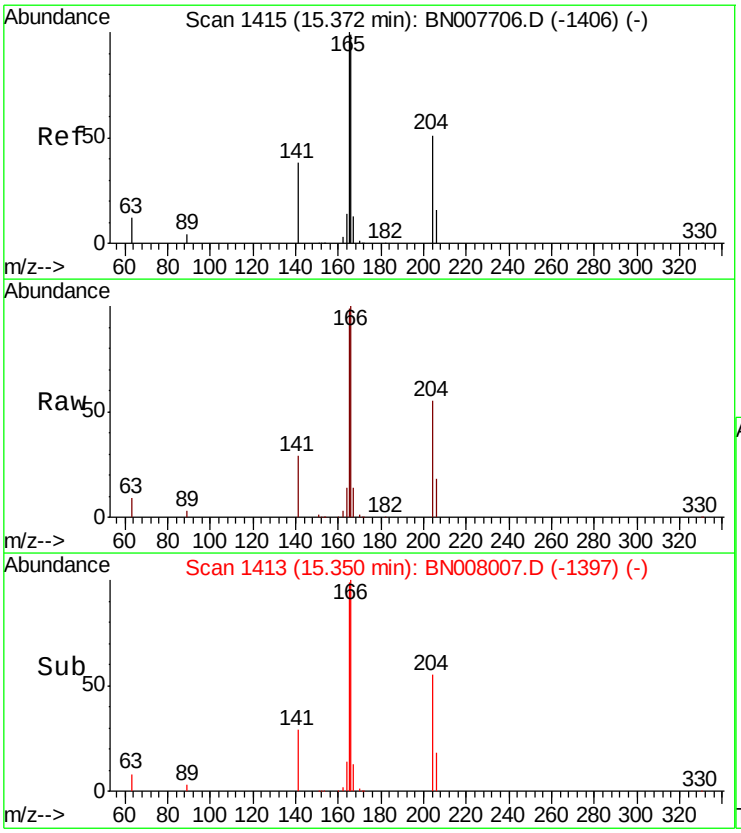
#17
Acenaphthene
Concen: 572.982 ng
RT: 14.36 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 29387

Ion	Ratio	Lower	Upper
154	100		
153	111.8	87.0	130.4
152	53.1	42.7	64.1

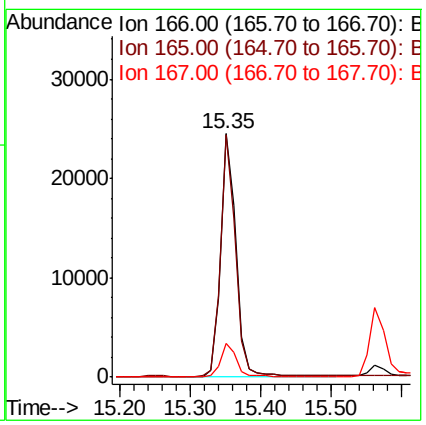


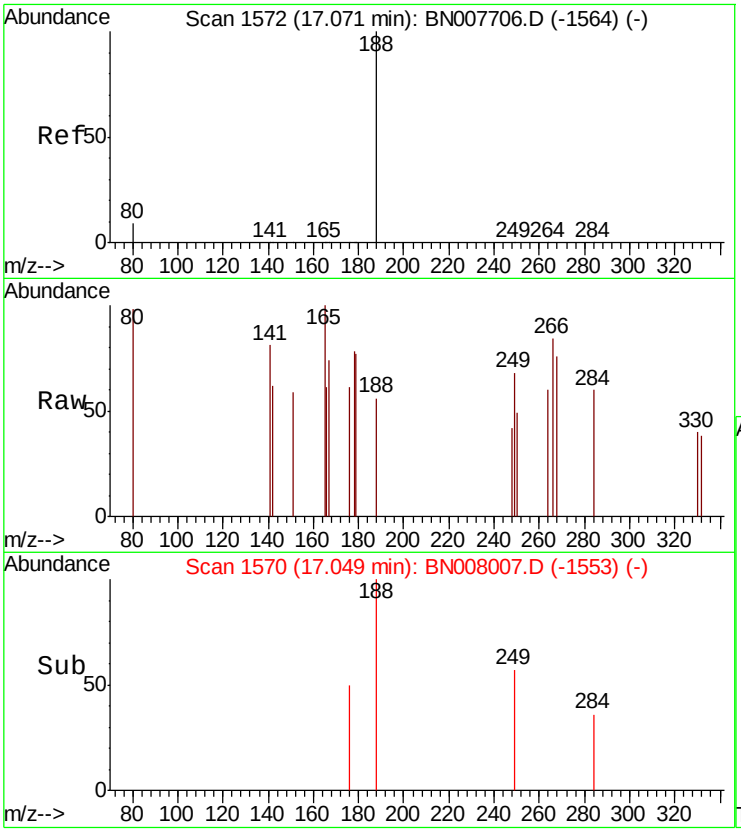


#18
Fluorene
Concen: 570.575 ng
RT: 15.35 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:166 Resp: 37506

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.0	117.0
167	13.5	10.9	16.3



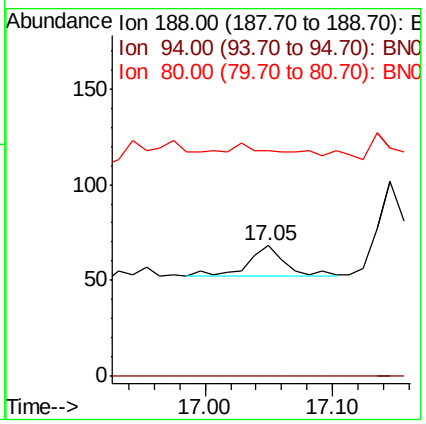


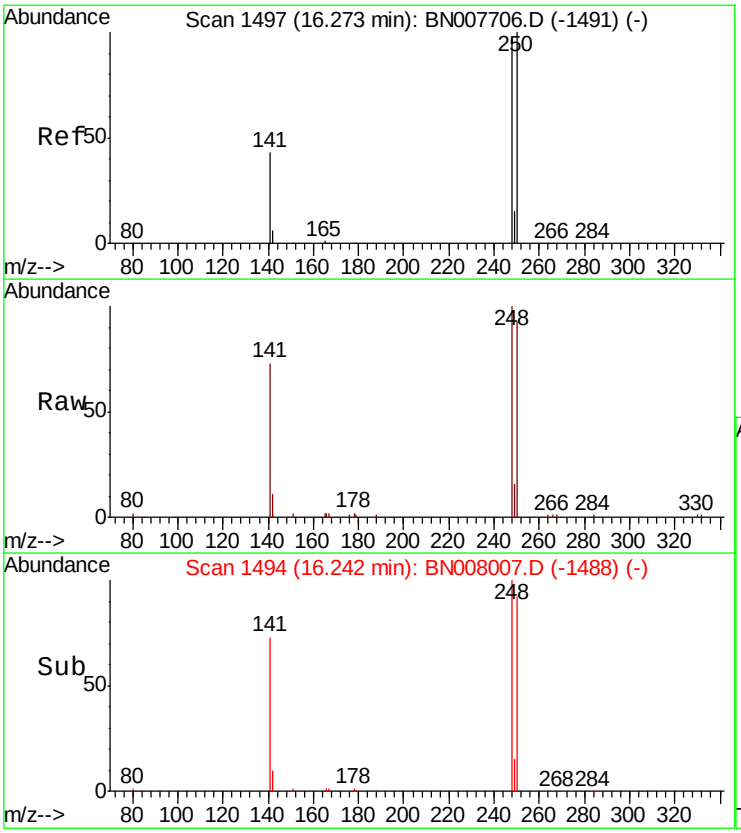
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 34

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	173.5	7.4	11.2#

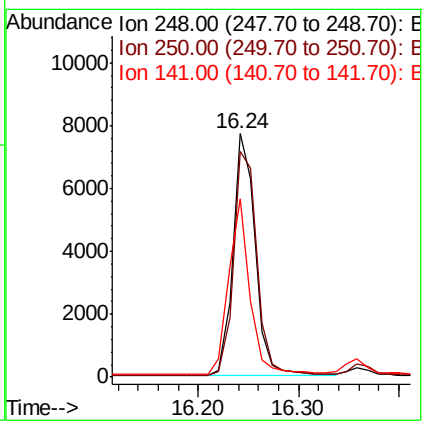


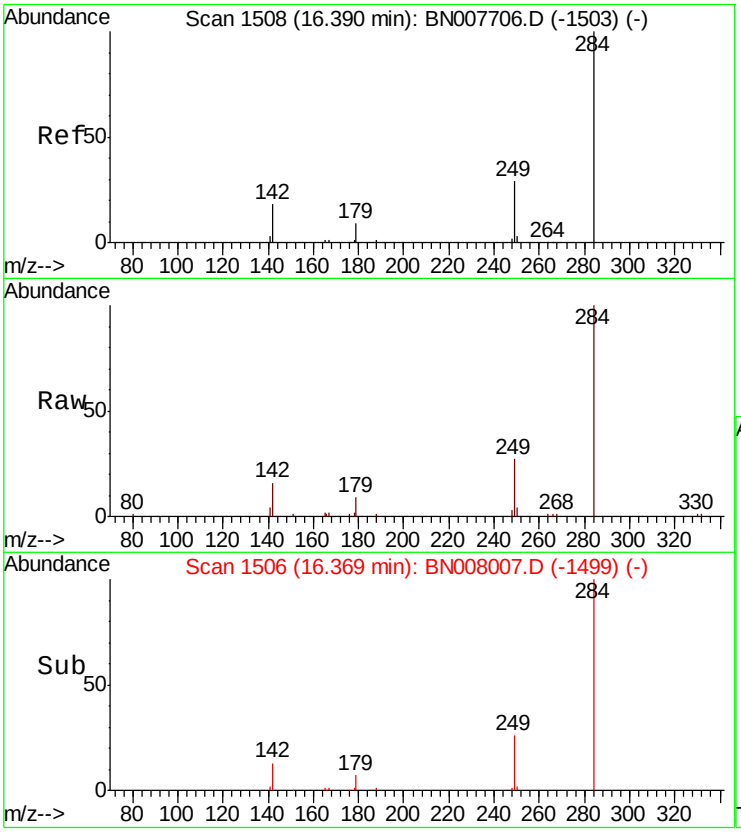


#20
4-Bromophenyl-phenylether
Concen: 578.966 ng
RT: 16.24 min Scan# 1494
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:248 Resp: 11950

Ion	Ratio	Lower	Upper
248	100		
250	92.6	82.2	123.4
141	73.5	36.3	54.5#



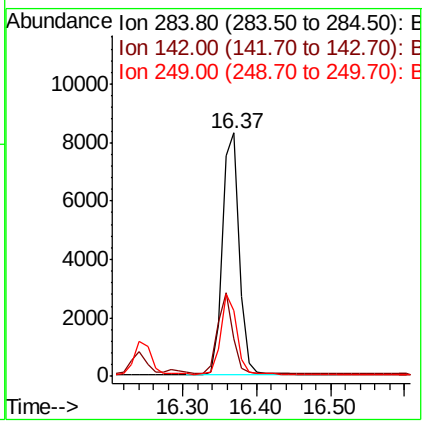


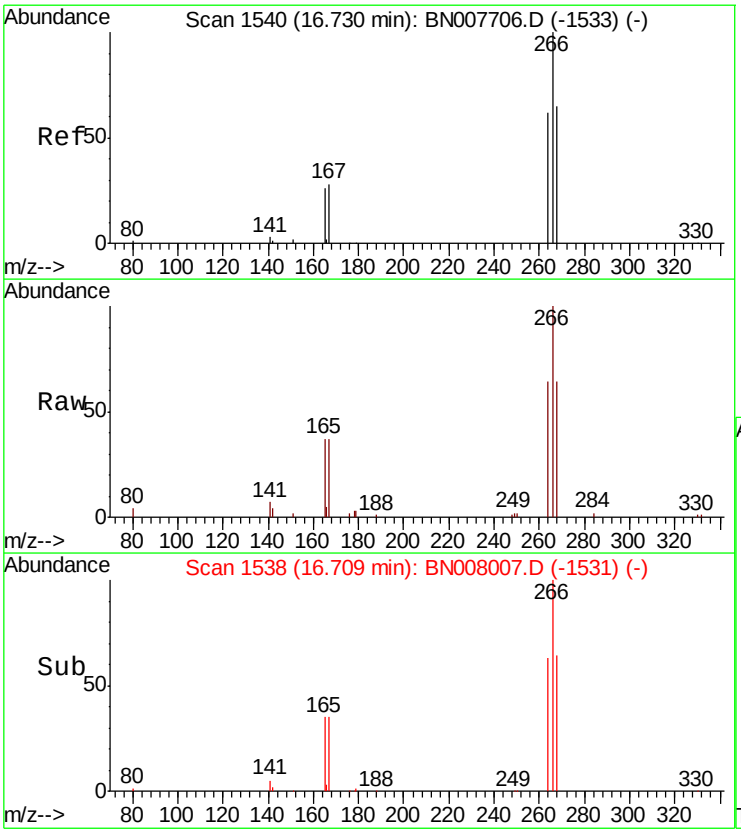
#21
Hexachlorobenzene
Concen: 591.342 ng
RT: 16.37 min Scan# 1506
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 13341

Ion	Ratio	Lower	Upper
284	100		
142	30.6	25.8	38.6
249	30.8	25.9	38.9

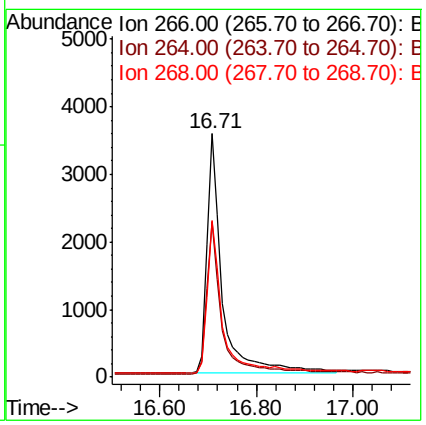


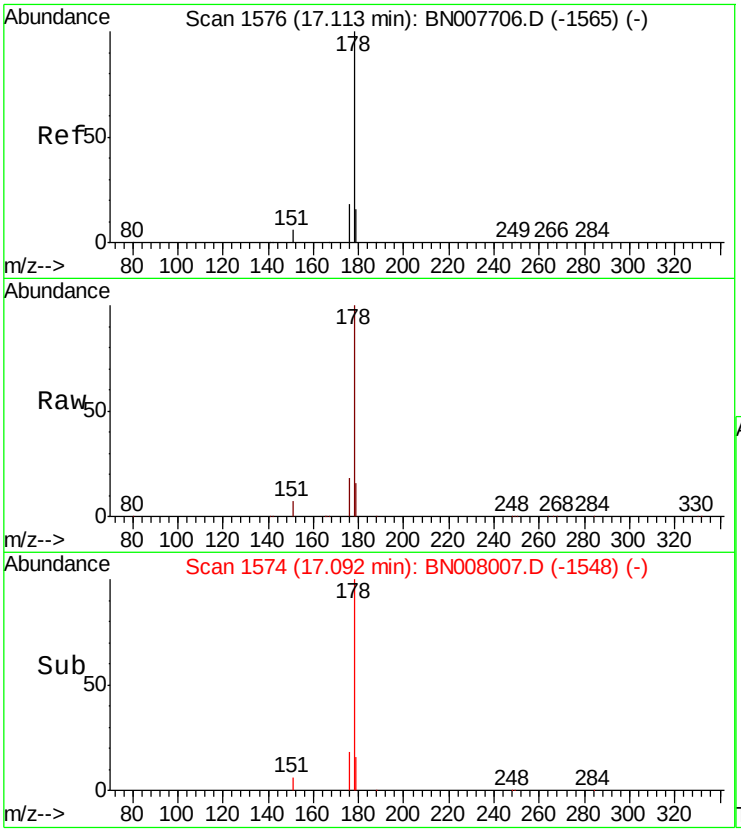


#22
Pentachlorophenol
Concen: 943.874 ng
RT: 16.71 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:266 Resp: 7852

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.0	75.0
268	64.3	54.2	81.4



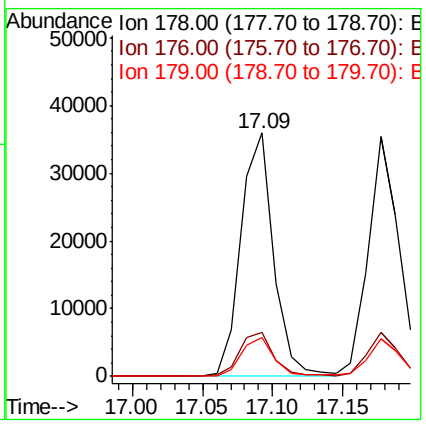


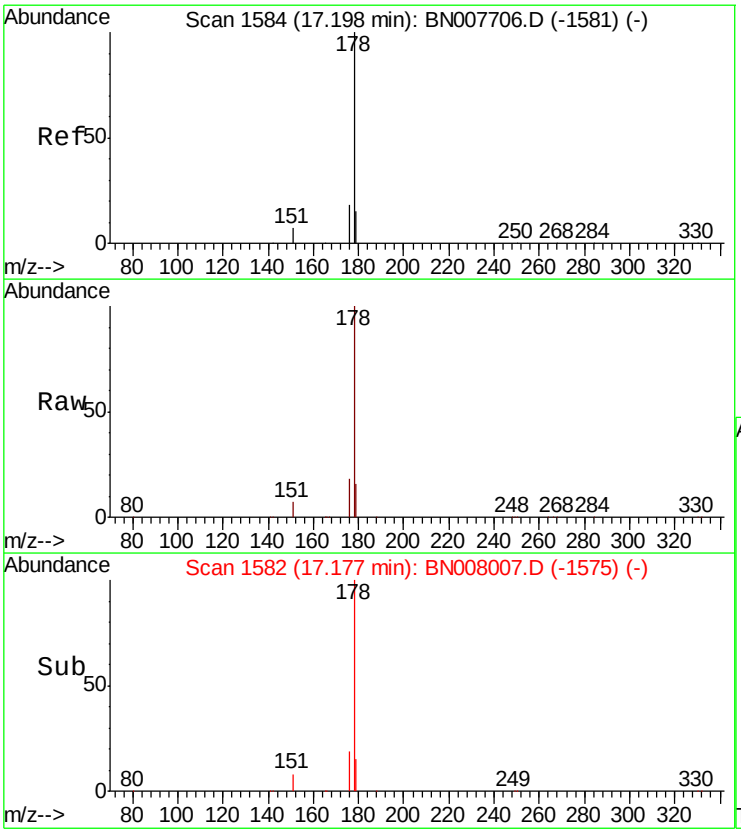
#23
Phenanthrene
Concen: 546.359 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 57868

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.4	12.5	18.7

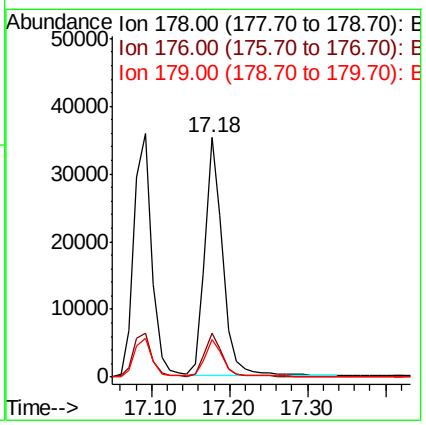


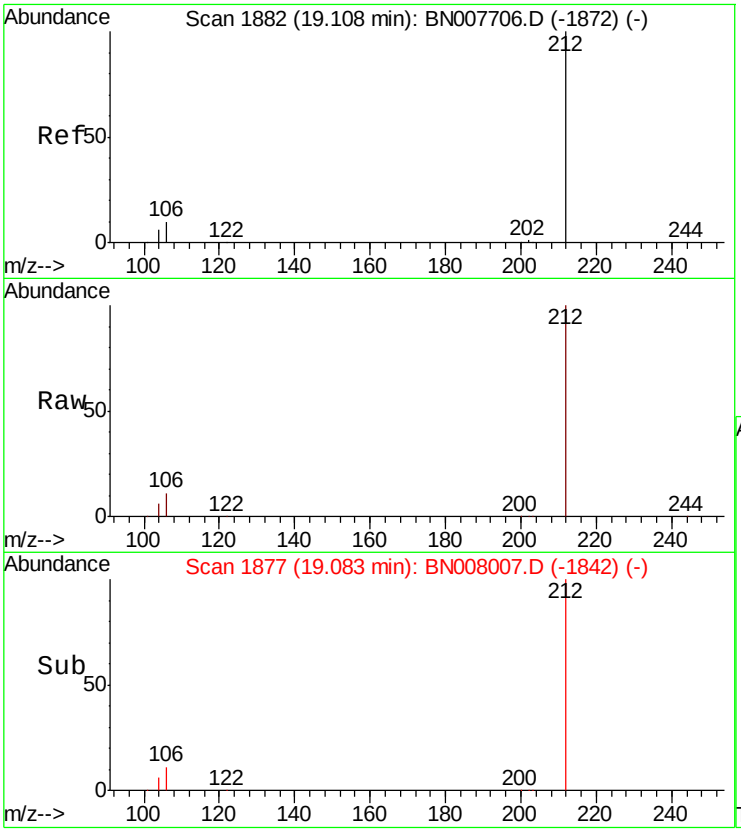


#24
Anthracene
Concen: 581.503 ng
RT: 17.18 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:178 Resp: 55627

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.2	18.4



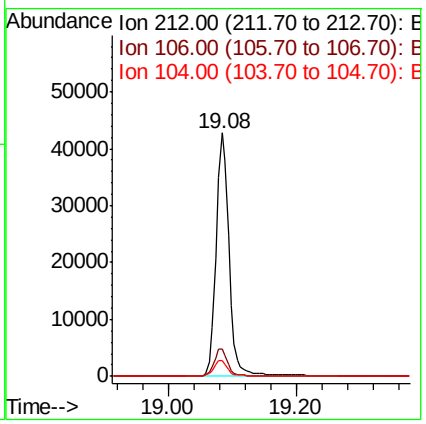


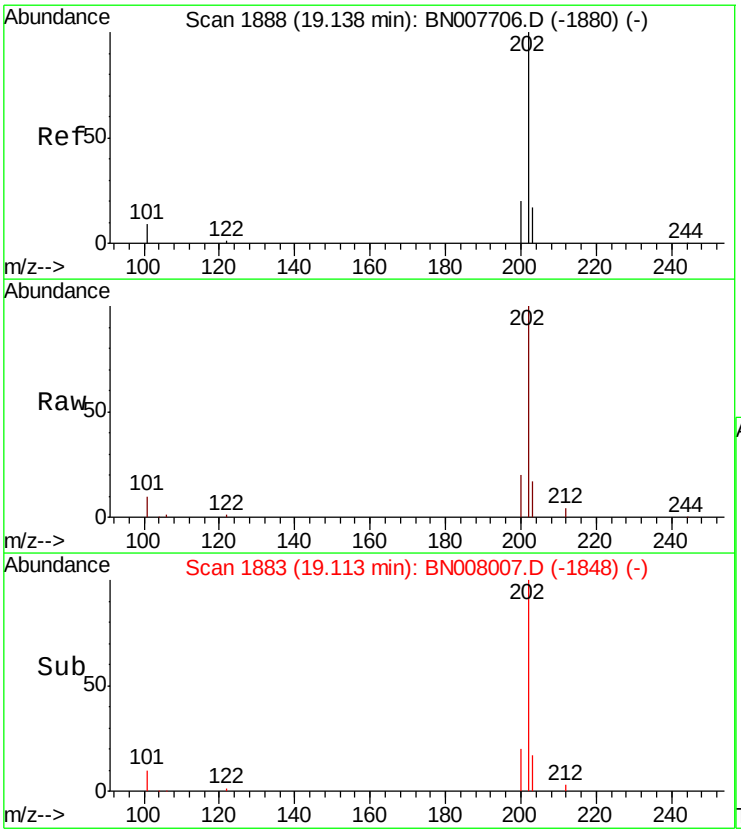
#25
Fluoranthene-d10
Concen: 527.394 ng
RT: 19.08 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 60436

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.4	14.0
104	6.4	5.3	7.9

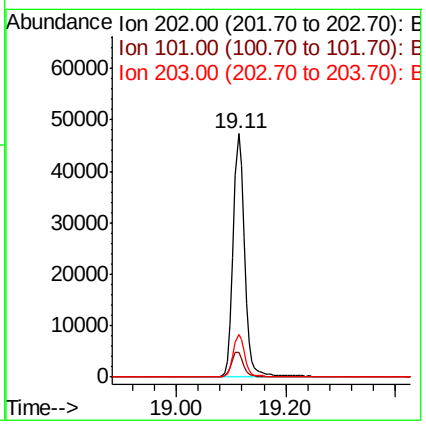


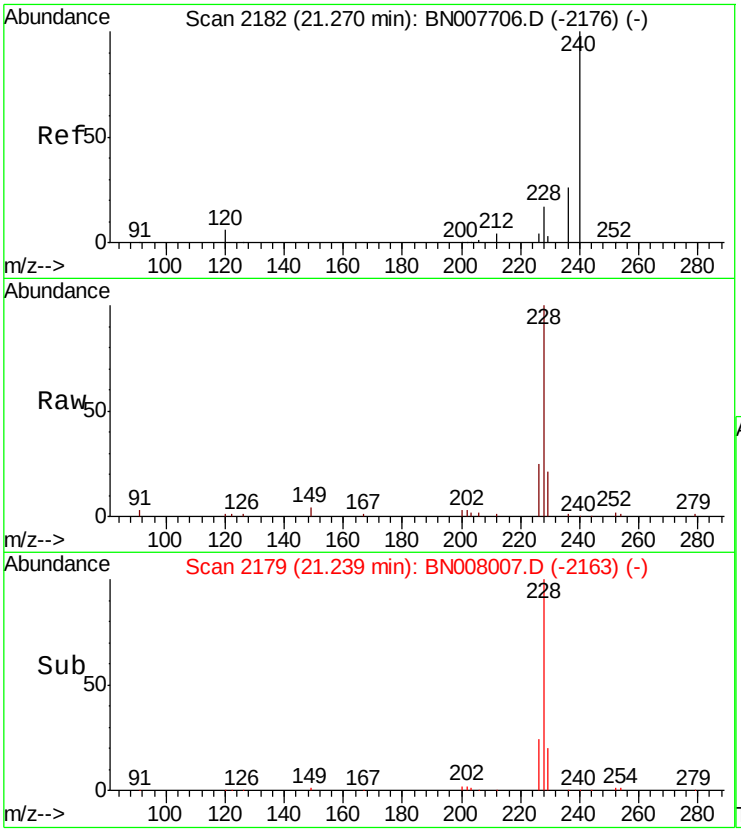


#26
Fluoranthene
Concen: 510.014 ng
RT: 19.11 min Scan# 1883
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:202 Resp: 67169

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.4	12.6
203	17.0	13.8	20.8



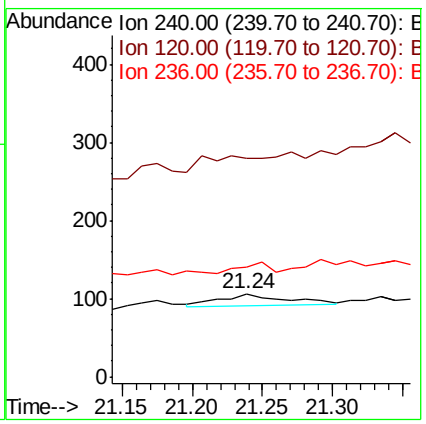


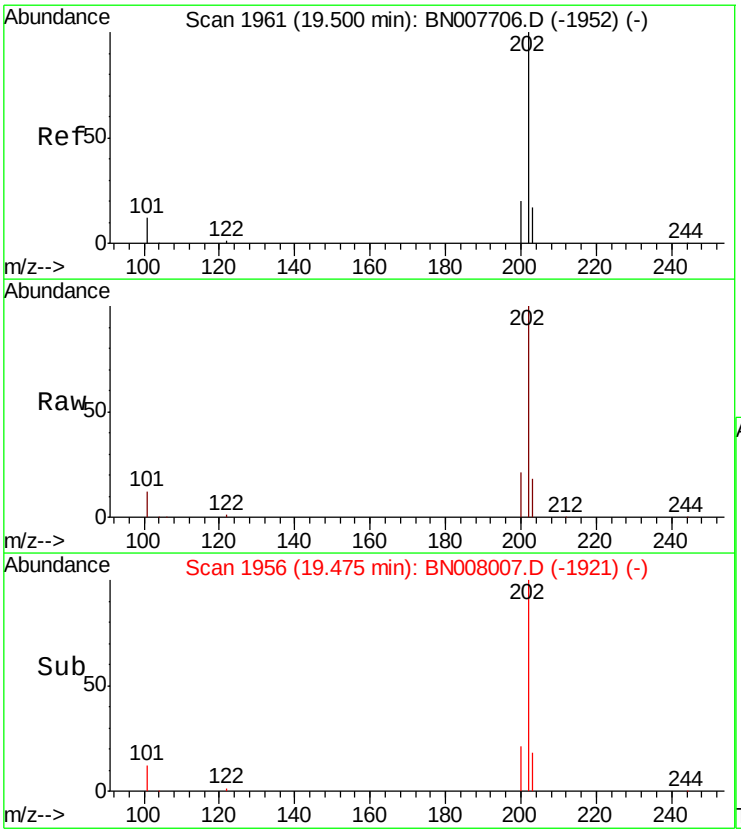
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 47

Ion	Ratio	Lower	Upper
240	100		
120	264.2	5.4	8.2#
236	132.1	21.0	31.4#

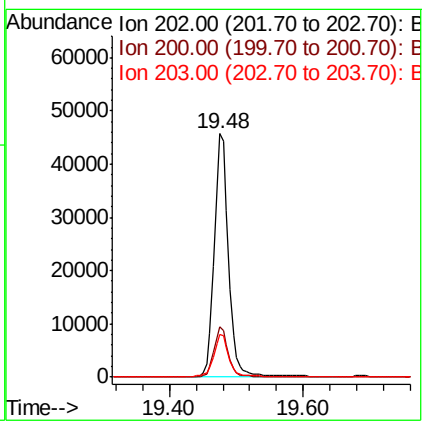


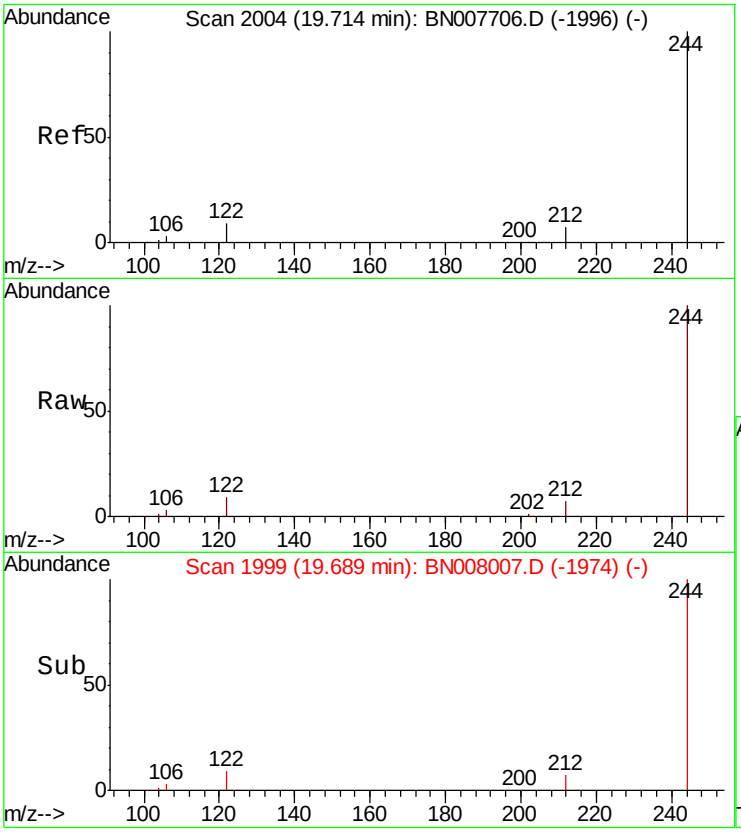


#28
Pyrene
Concen: 419.210 ng
RT: 19.48 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:202 Resp: 67198

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.4	24.6
203	18.1	14.1	21.1



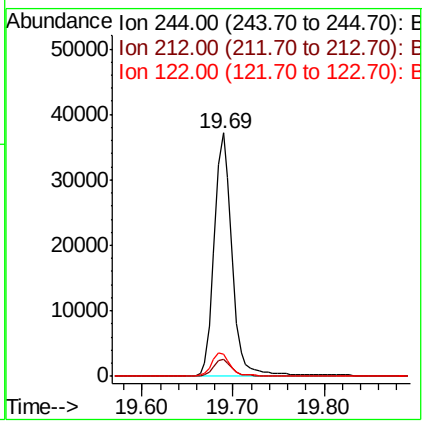


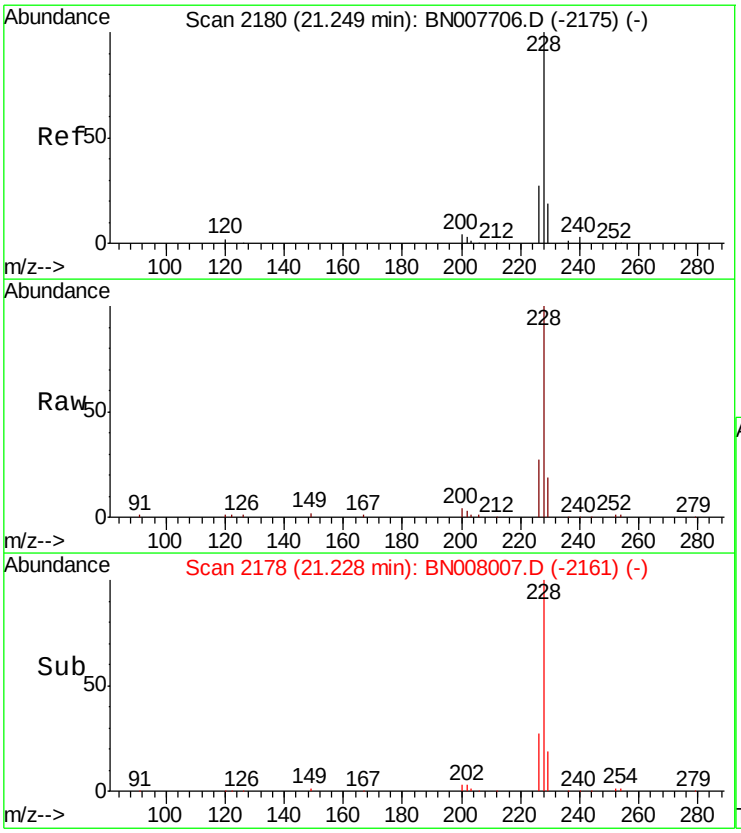
#29
Terphenyl-d14
Concen: 429.380 ng
RT: 19.69 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 49570

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	9.2	7.4	11.2

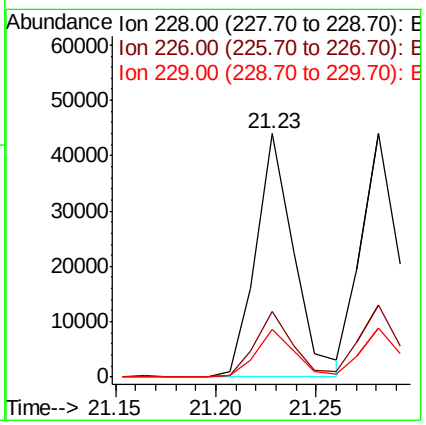


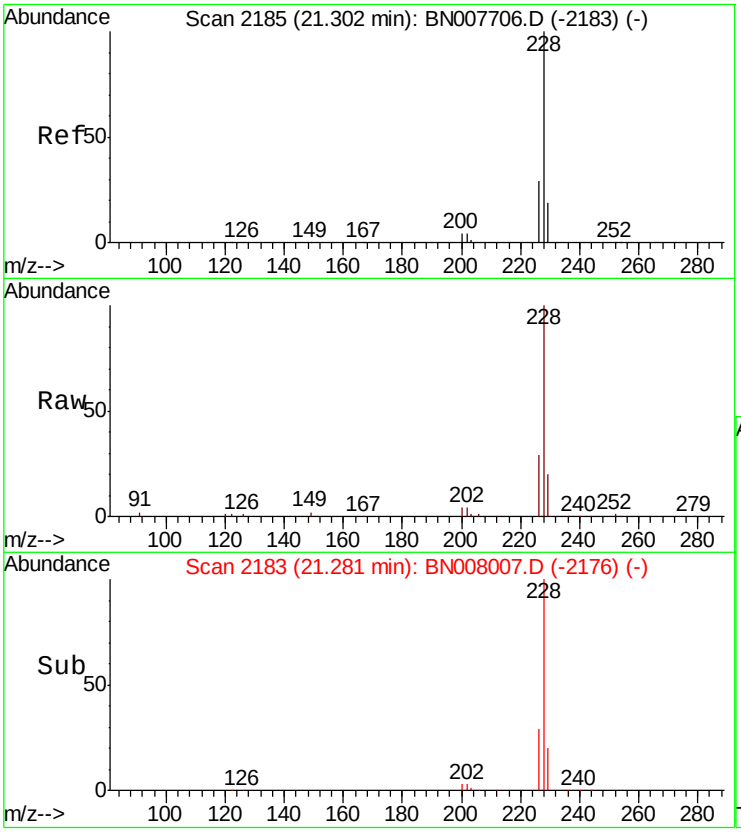


#30
Benzo(a)anthracene
Concen: 331.560 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:228 Resp: 57386

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.5	15.8	23.6



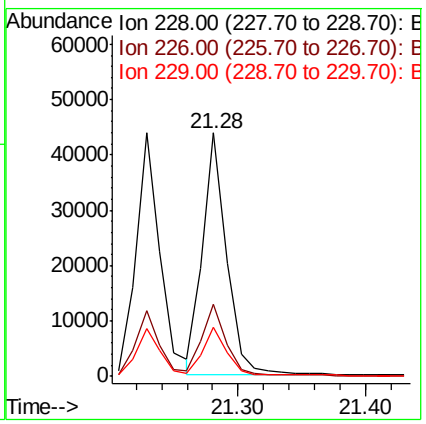


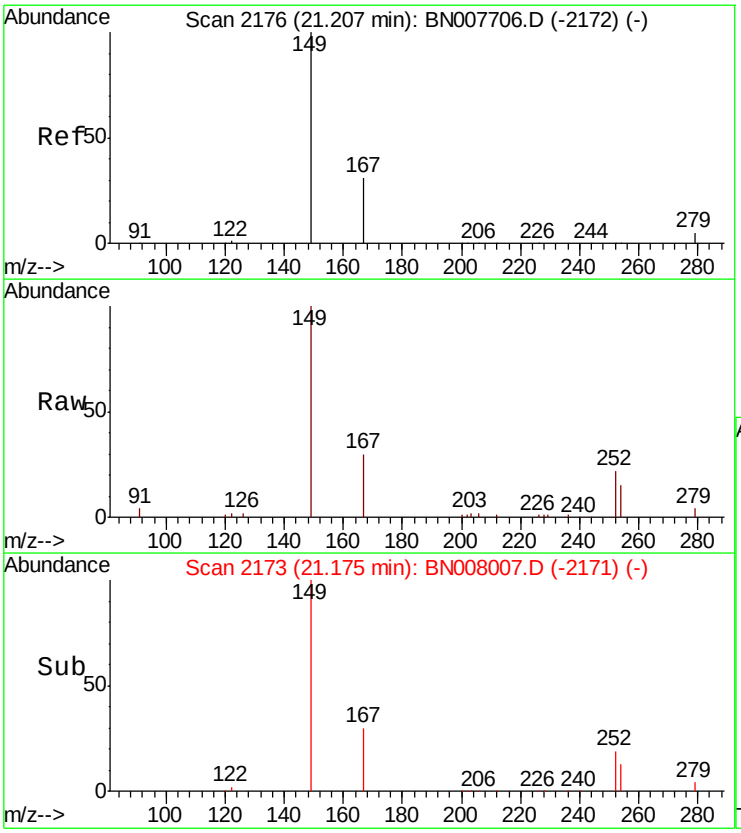
#31
Chrysene
Concen: 339.238 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 57223

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.9	35.9
229	19.9	15.8	23.6

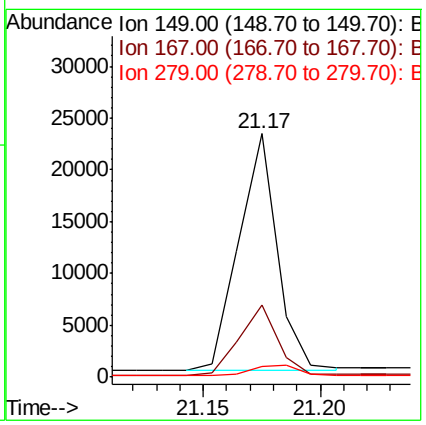


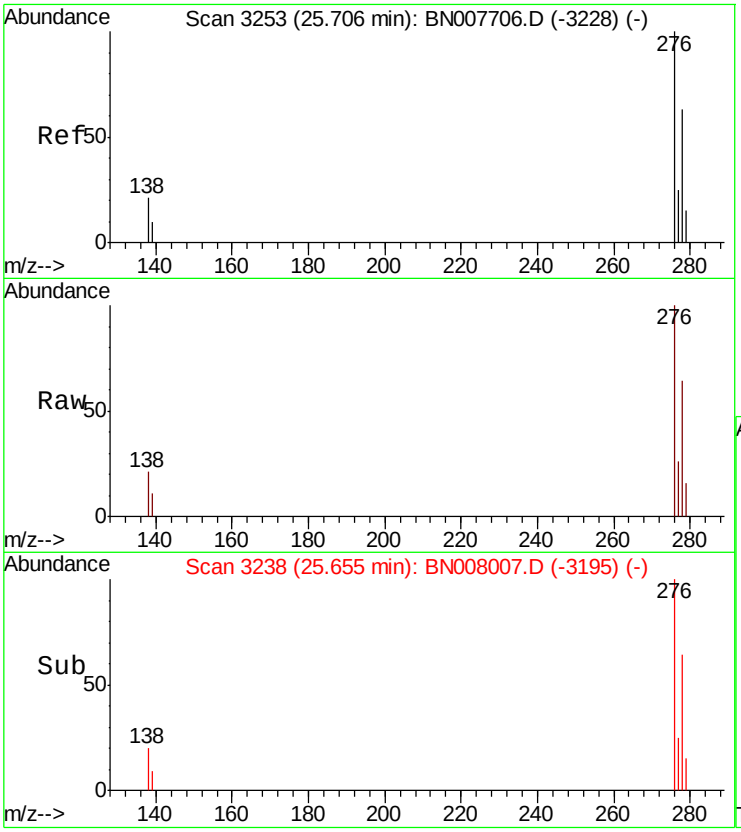


#32
Bis(2-ethylhexyl)phthalate
Concen: 291.492 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:149 Resp: 25947

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



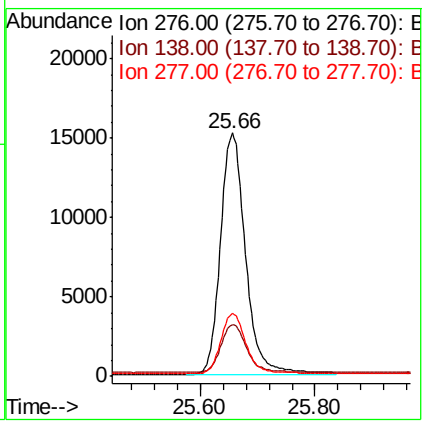


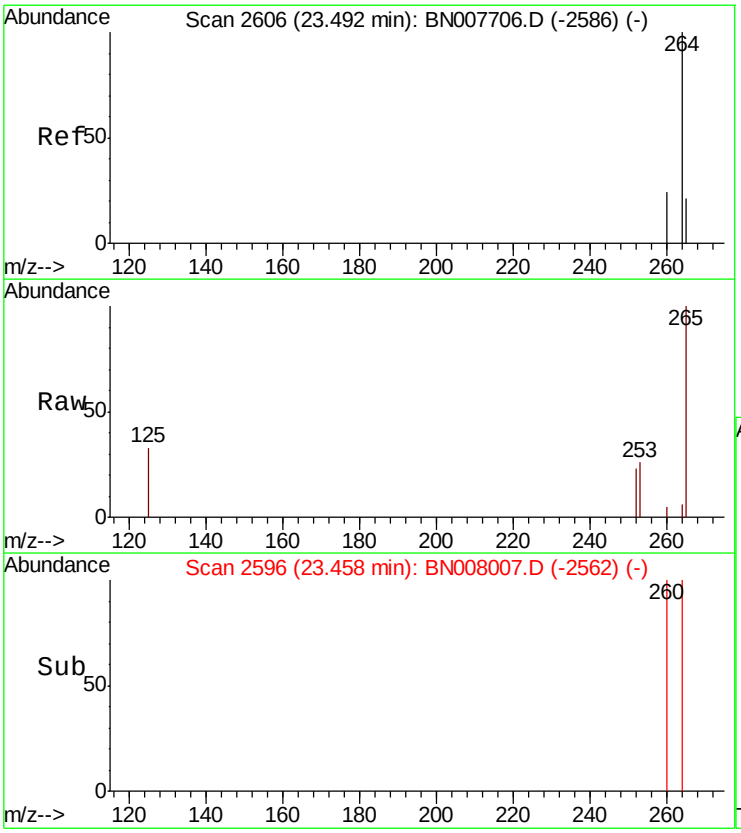
#33
Indeno(1,2,3-cd)pyrene
Concen: 218.541 ng
RT: 25.66 min Scan# 3238
Delta R.T. -0.05 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 46154

Ion	Ratio	Lower	Upper
276	100		
138	19.9	17.1	25.7
277	25.0	20.0	30.0

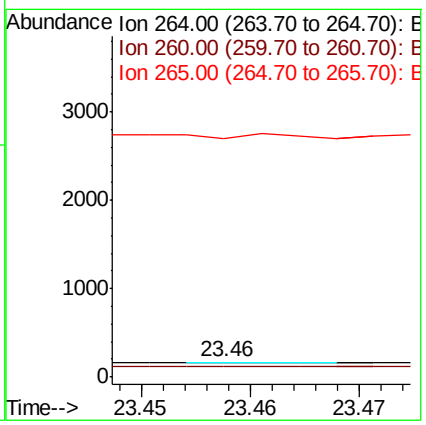


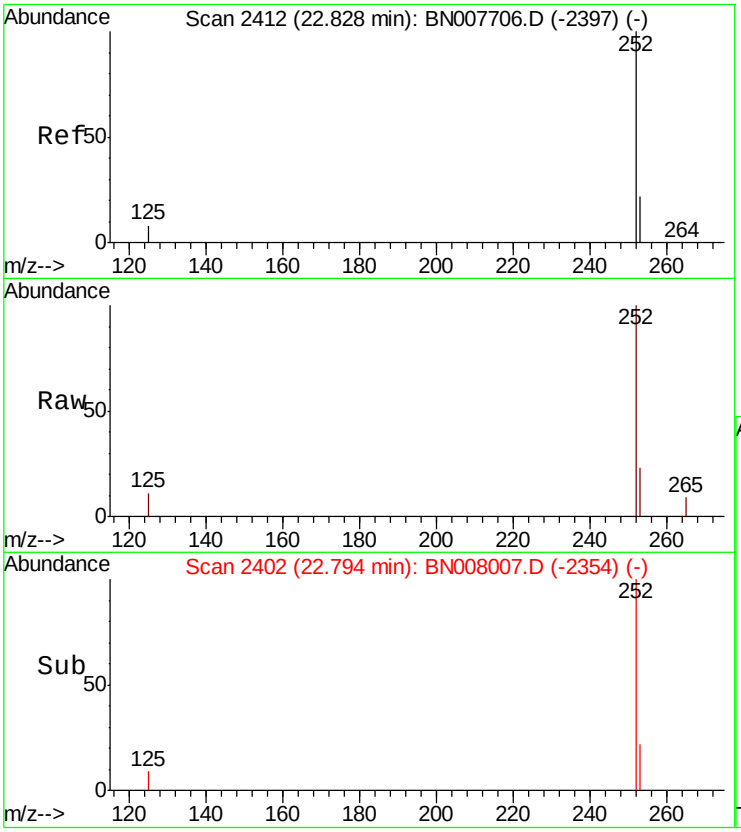


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2596
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:264 Resp: 4

Ion	Ratio	Lower	Upper
264	100		
260	72.4	19.3	28.9#
265	1589.4	26.9	40.3#



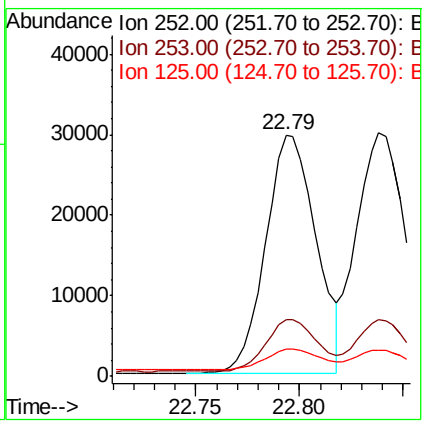


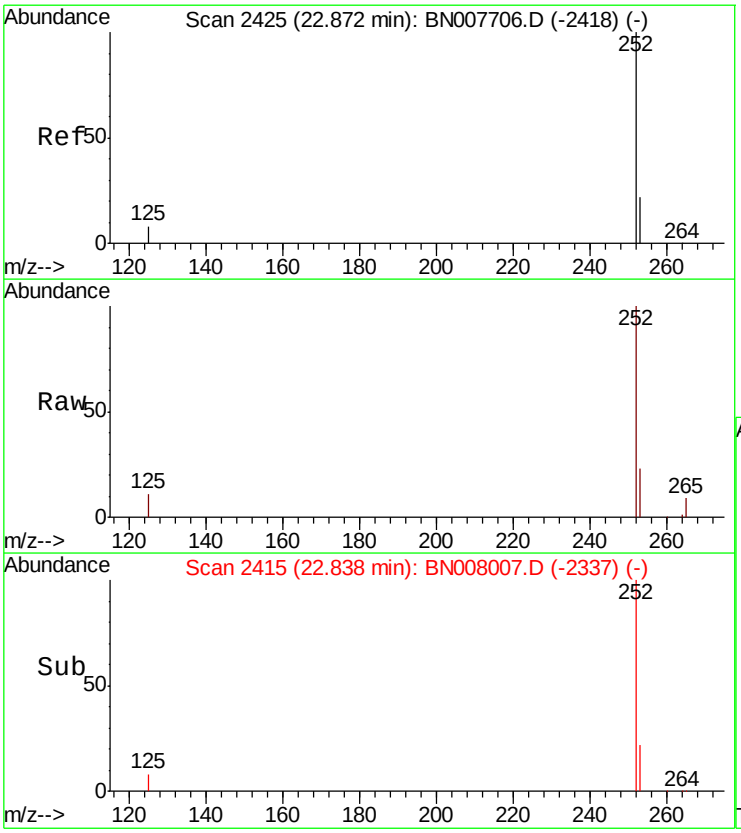
#35
Benzo(b)fluoranthene
Concen: 3584.928 ng
RT: 22.79 min Scan# 2402
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 49783

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	11.1	8.2	12.4

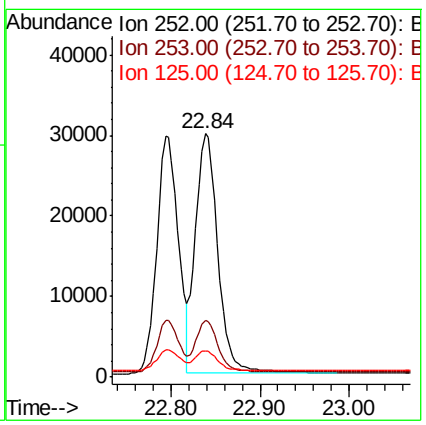


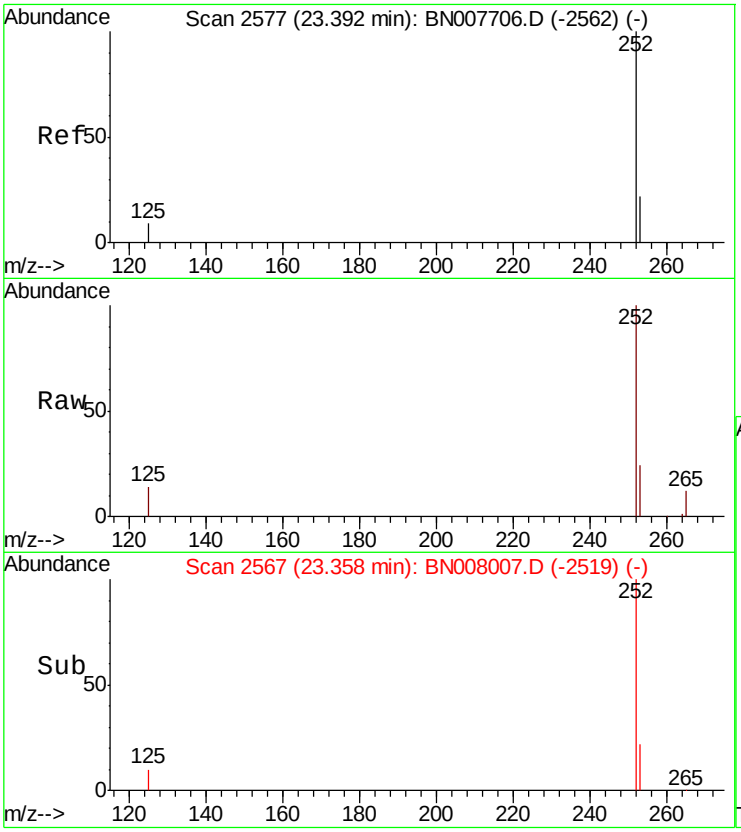


#36
Benzo(k)fluoranthene
Concen: 3796.491 ng
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:252 Resp: 52132

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	10.9	8.4	12.6



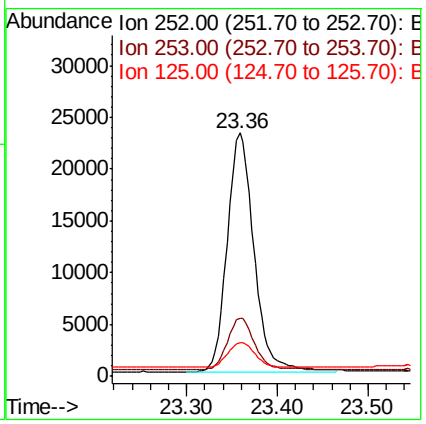


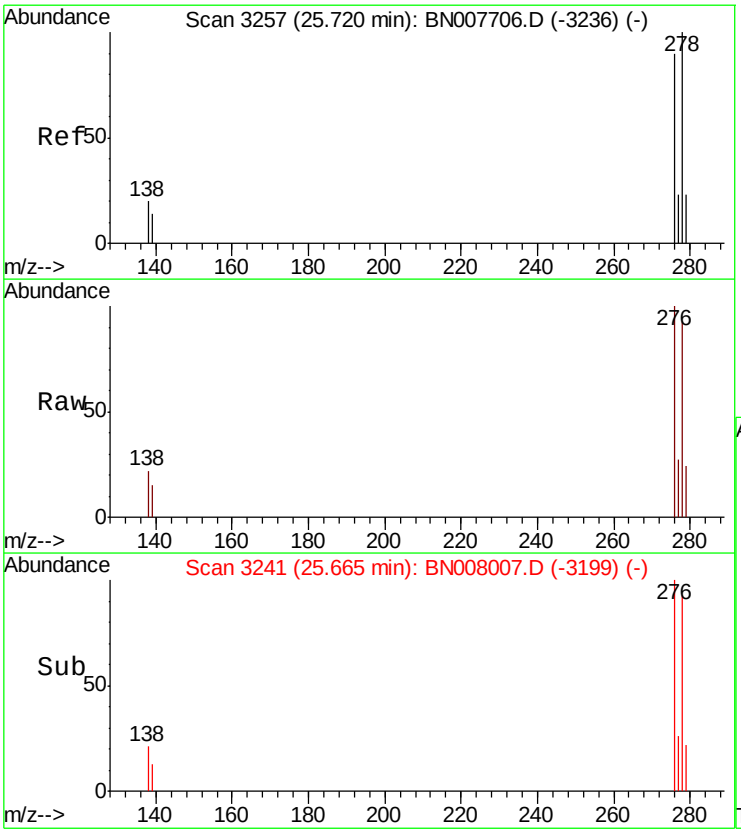
#37
Benzo(a)pyrene
Concen: 3624.646 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 47301

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.6	27.8
125	13.8	9.4	14.0

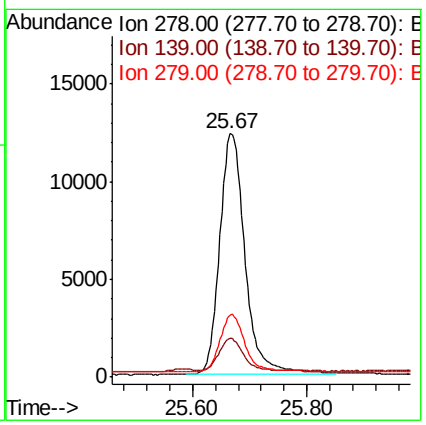


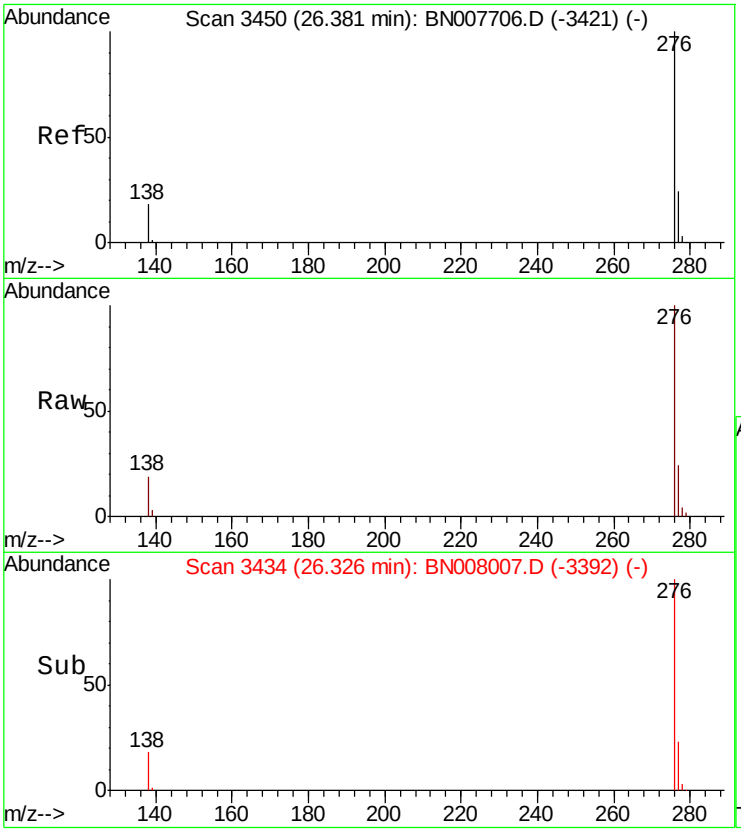


#38
Dibenzo(a,h)anthracene
Concen: 2848.208 ng
RT: 25.67 min Scan# 3241
Delta R.T. -0.05 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:278 Resp: 38032

Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.8	17.6
279	25.3	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 2889.612 ng
RT: 26.33 min Scan# 3434
Delta R.T. -0.05 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 38179

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	19.4	15.1	22.7