Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007303.D
Acq On : 21 Aug 2019 22:58
Operator : HP/JU
Sample : K4441-11MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 22 05:01:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5136	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	18820	0.40	ng		0.00
13) Acenaphthene-d10	14.06	164	11298	0.40	ng		0.00
19) Phenanthrene-d10	16.82	188	25406	0.40	ng		0.00
27) Chrysene-d12	21.05	240	30816	0.40	ng		0.02
34) Perylene-d12	23.16	264	64431	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	4168	0.27	ng		0.02
5) Phenol-d6	6.61	99	4428	0.24	ng		0.00
8) Nitrobenzene-d5	8.54	82	3415	0.24	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	12711	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.56	330	1771	0.28	ng		0.00
15) 2-Fluorobiphenyl	12.68	172	9232	0.19	ng		0.00
25) Fluoranthene-d10	18.84	212	2914	0.04	ng		-0.01
29) Terphenyl-d14	19.47	244	27184	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.01	88	1580	0.217	ng	#	59
3) n-Nitrosodimethylamine	3.32	42	1165	0.238	ng	#	85
6) bis(2-Chloroethyl)ether	6.85	93	4906	0.323	ng		97
9) Naphthalene	10.21	128	126609	2.374	ng		100
10) Hexachlorobutadiene	10.52	225	3464	0.294	ng	#	98
12) 2-Methylnaphthalene	11.85	142	67187	1.819	ng		100
16) Acenaphthylene	13.77	152	84758	1.415	ng		97
17) Acenaphthene	14.12	154	658585	17.249	ng		99
18) Fluorene	15.12	166	804984	16.137	ng		99
20) 4-Bromophenyl-phenylether	16.02	248	4894	0.336	ng	#	84
21) Hexachlorobenzene	16.14	284	4901	0.291	ng		97
22) Pentachlorophenol	16.48	266	6327	0.936	ng		96
23) Phenanthrene	16.86	178	12376882	155.432	ng		97
24) Anthracene	16.94	178	4152895	57.920	ng	#	93
28) Pyrene	19.26	202	18608506	161.483	ng	#	78
30) Benzo(a)anthracene	21.03	228	13855593	120.917	ng	#	90
31) Chrysene	21.09	228	12180515	104.164	ng	#	93
32) Bis(2-ethylhexyl)phthalate	21.03	149	42347	0.925	ng	#	61
33) Indeno(1,2,3-cd)pyrene	25.26	276	8989148	63.886	ng	#	95
35) Benzo(b)fluoranthene	22.55	252	17120732	71.277	ng		95
36) Benzo(k)fluoranthene	22.55	252	17120732	72.755	ng		95
37) Benzo(a)pyrene	23.08	252	12378291	57.180	ng		95
38) Dibenzo(a,h)anthracene	25.26	278	2540167	11.169	ng		96
39) Benzo(g,h,i)perylene	25.90	276	8494935	36.954	ng		97

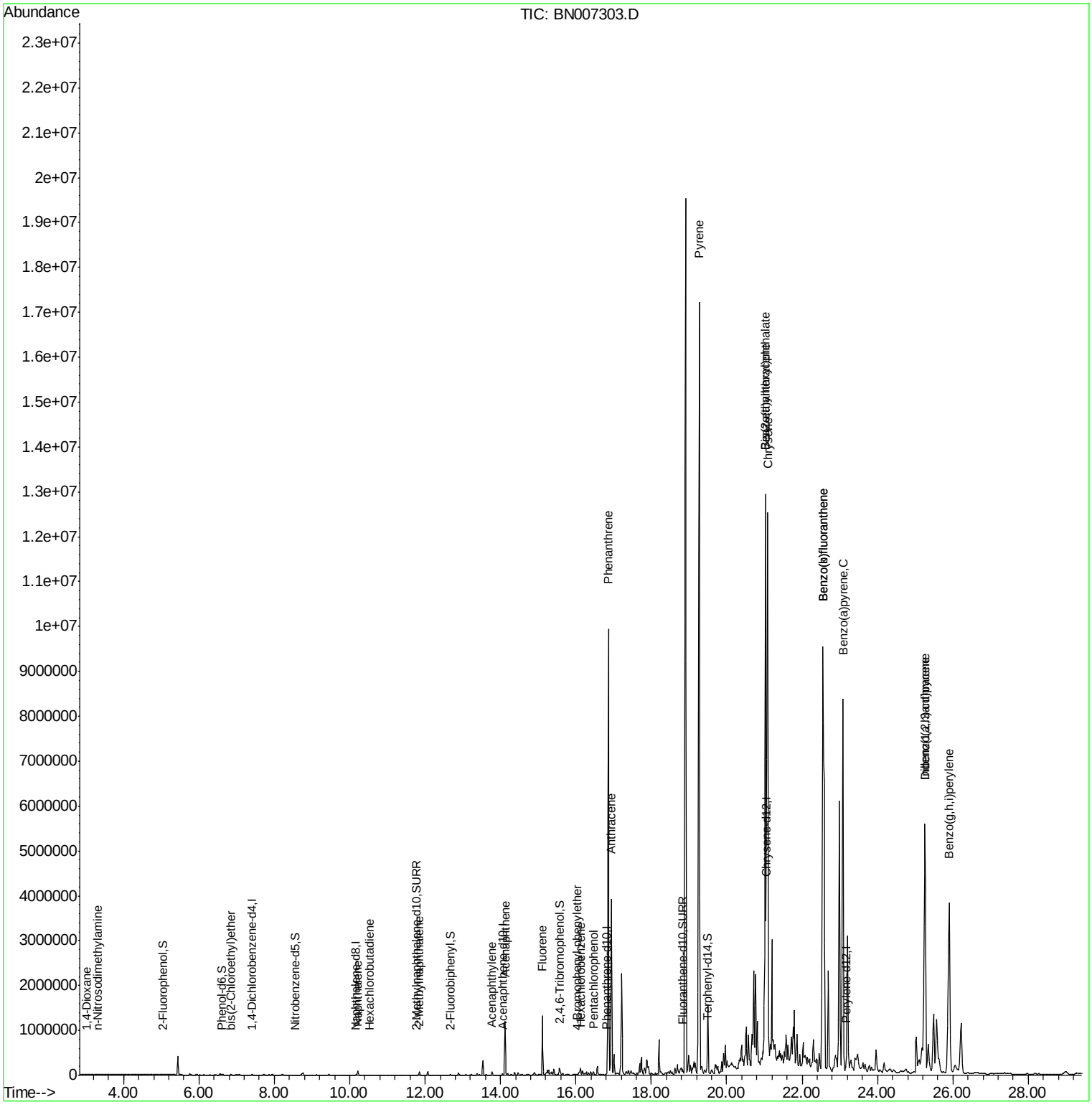
(#) = qualifier out of range (m) = manual integration (+) = signals summed

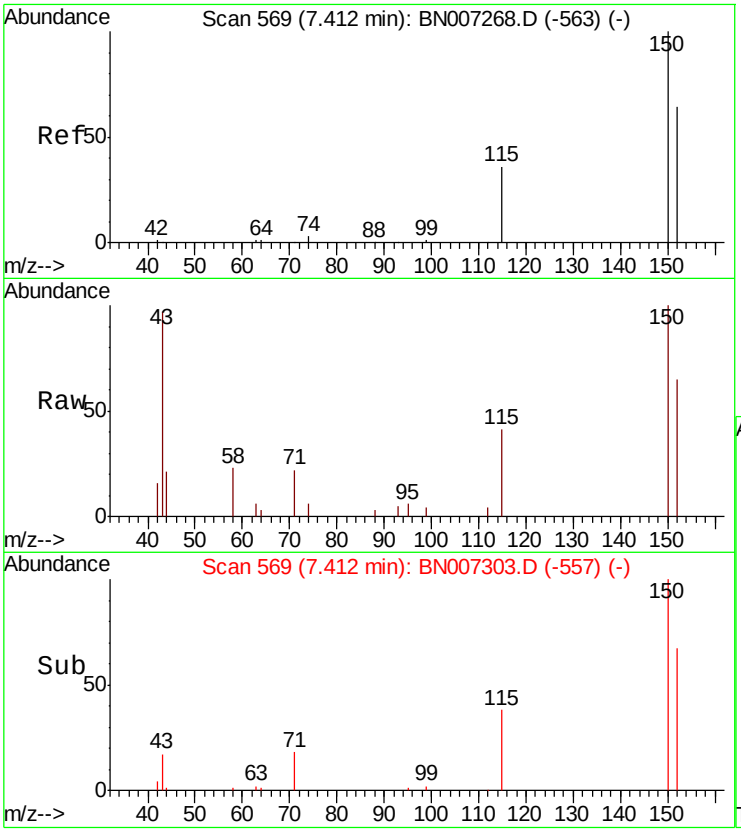
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007303.D
Acq On : 21 Aug 2019 22:58
Operator : HP/JU
Sample : K4441-11MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 22 05:01:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration



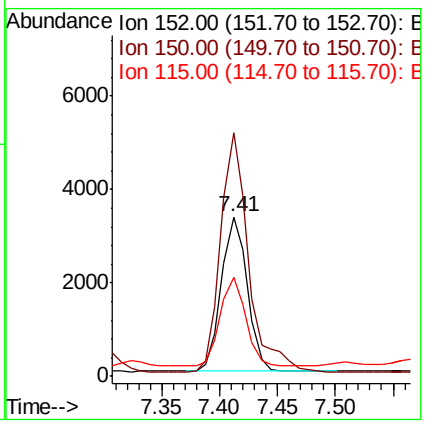


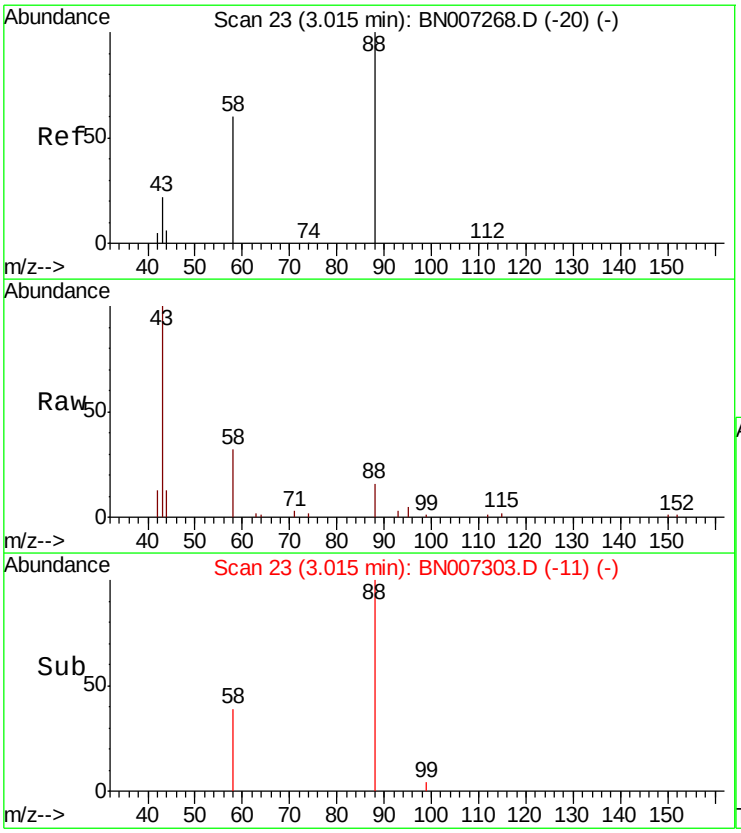
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 5136

Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.8	185.8
115	62.1	47.3	70.9

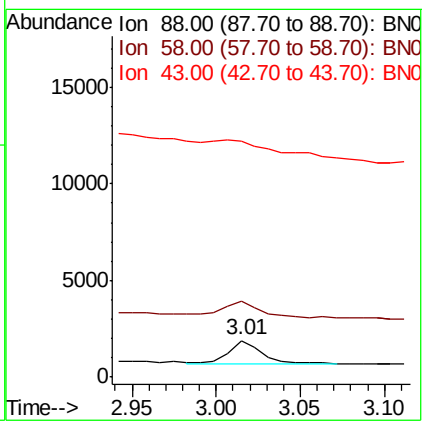


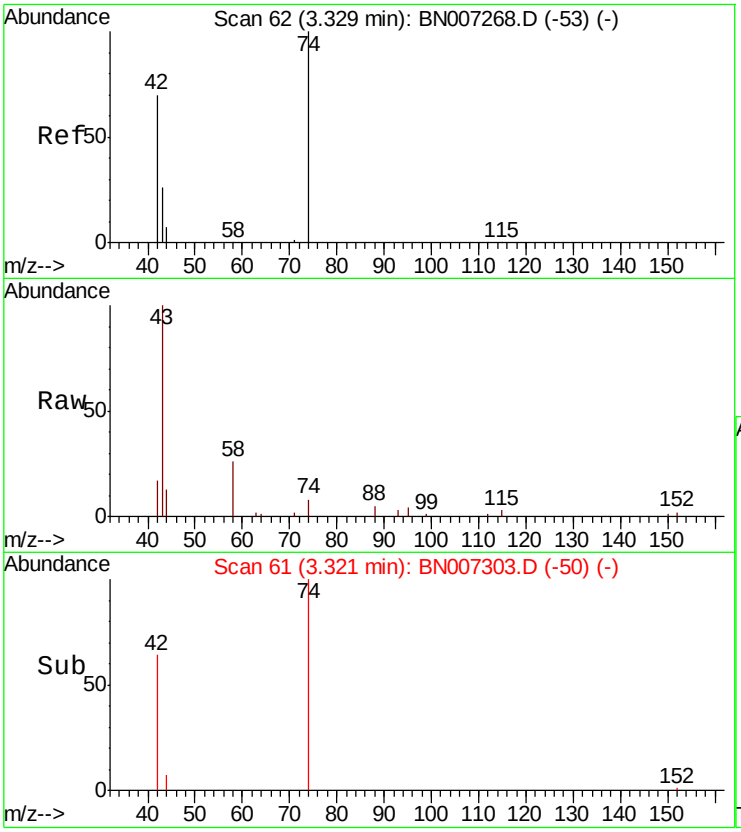


#2
1,4-Dioxane
Concen: 0.217 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion: 88 Resp: 1580

Ion	Ratio	Lower	Upper
88	100		
58	84.3	45.5	68.3#
43	0.0	20.4	30.6#



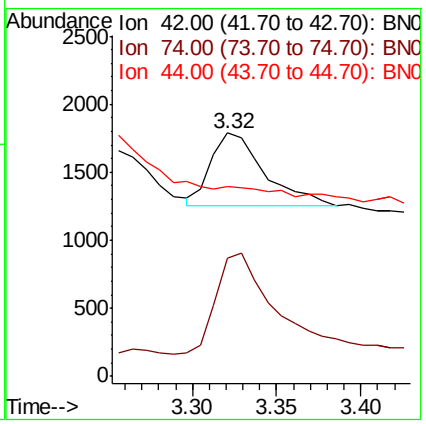


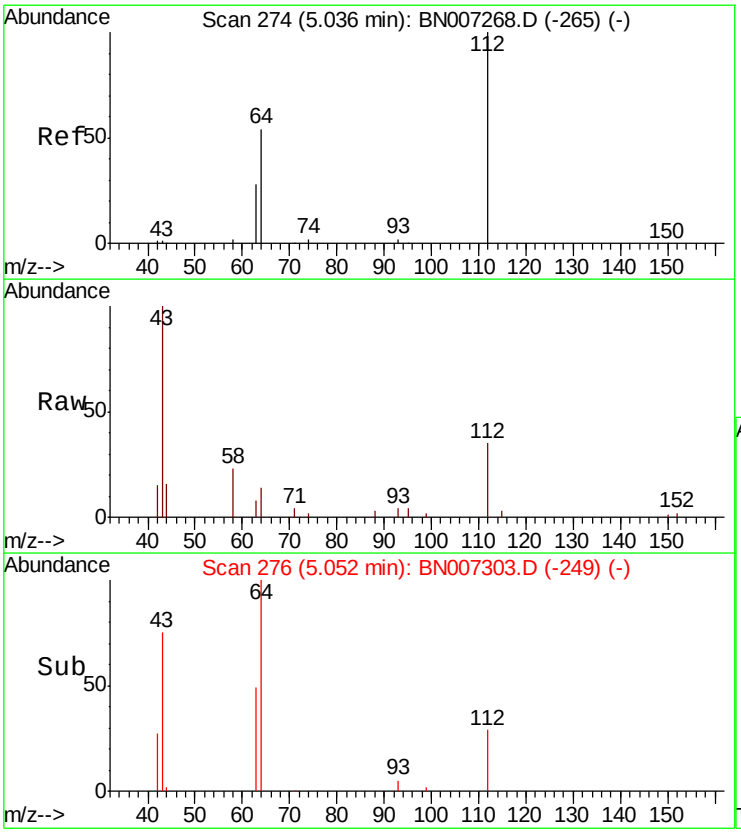
#3
n-Nitrosodimethylamine
Concen: 0.238 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 1165

Ion	Ratio	Lower	Upper
42	100		
74	154.5	109.0	163.4
44	0.0	4.2	6.2#

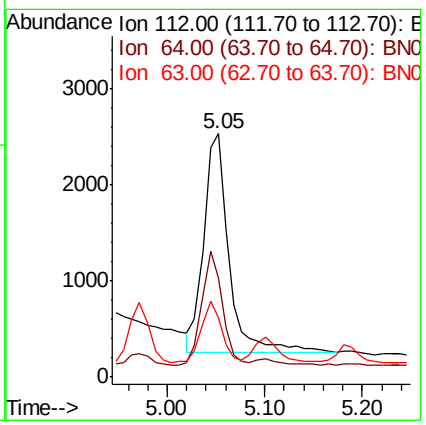


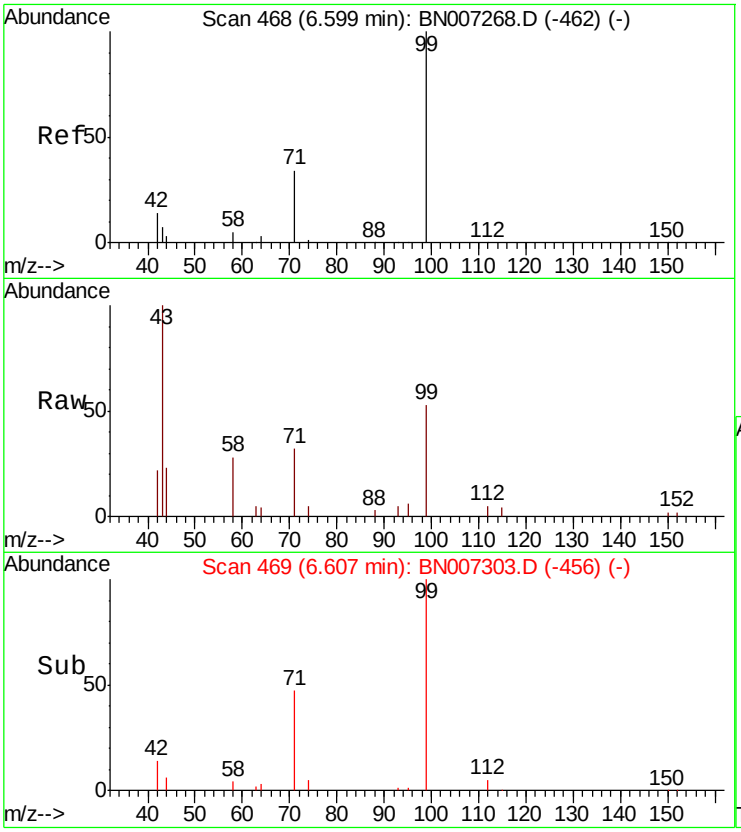


#4
2-Fluorophenol
Concen: 0.266 ng
RT: 5.05 min Scan# 276
Delta R.T. 0.02 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:112 Resp: 4168

Ion	Ratio	Lower	Upper
112	100		
64	41.9	41.8	62.8
63	21.8	22.6	34.0#



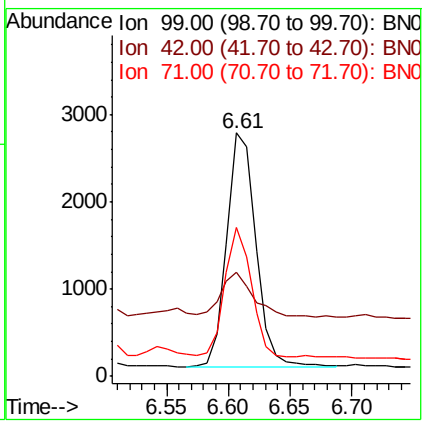


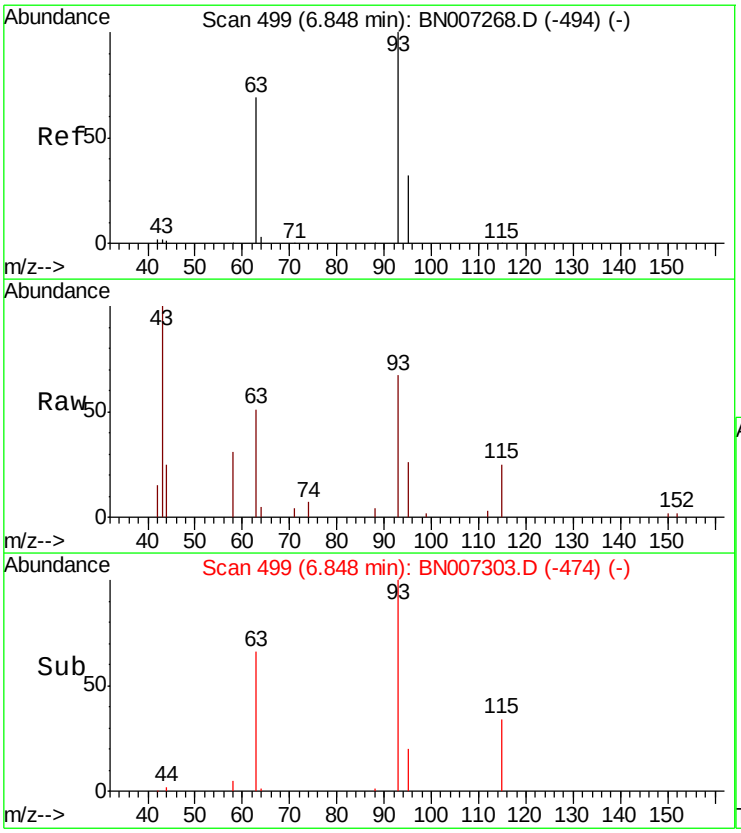
#5
Phenol-d6
Concen: 0.240 ng
RT: 6.61 min Scan# 469
Delta R.T. 0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 4428

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.3	21.5#
71	49.3	27.3	40.9#

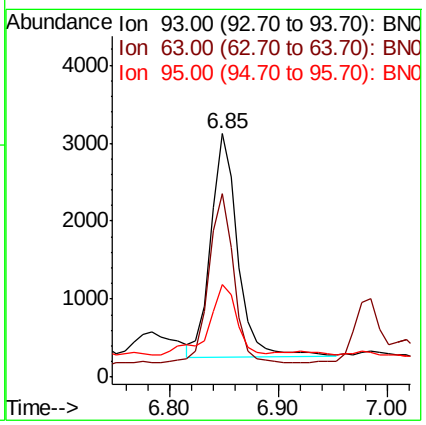


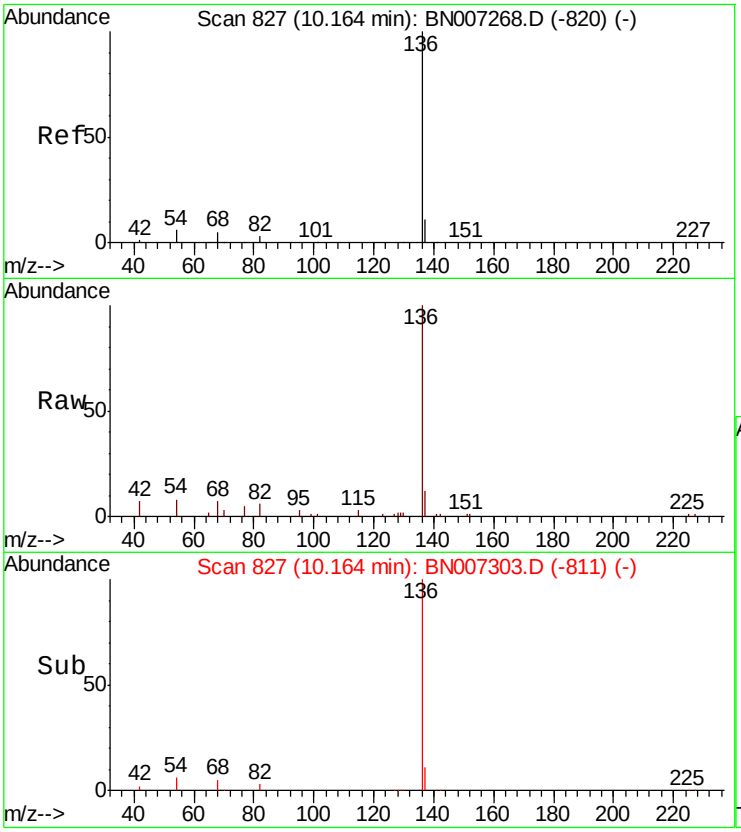


#6
bis(2-Chloroethyl)ether
Concen: 0.323 ng
RT: 6.85 min Scan# 499
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion: 93 Resp: 4906

Ion	Ratio	Lower	Upper
93	100		
63	70.3	54.4	81.6
95	33.4	25.5	38.3



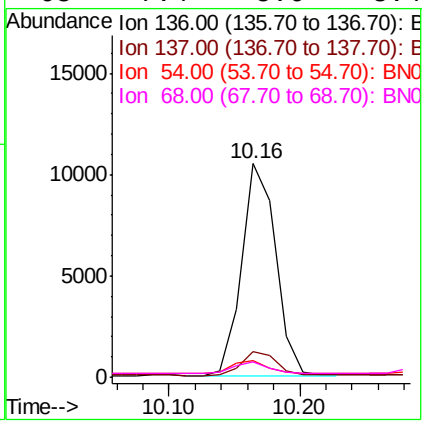


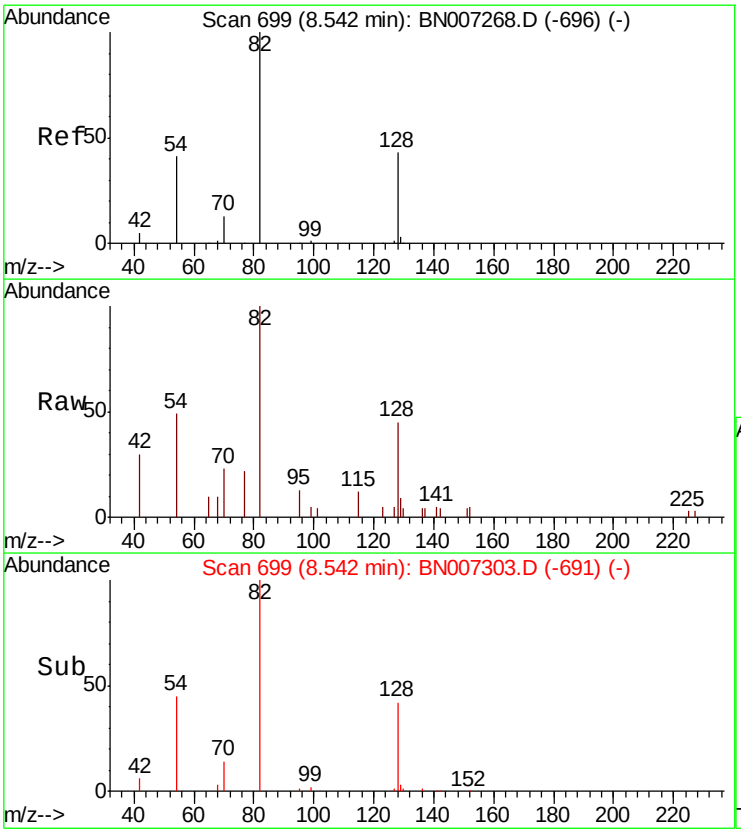
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 18820

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	8.1	5.9	8.9
68	7.4	5.6	8.4

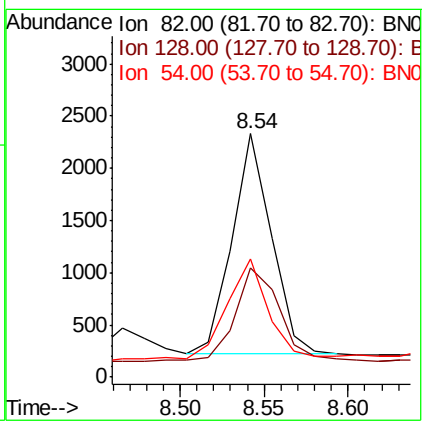


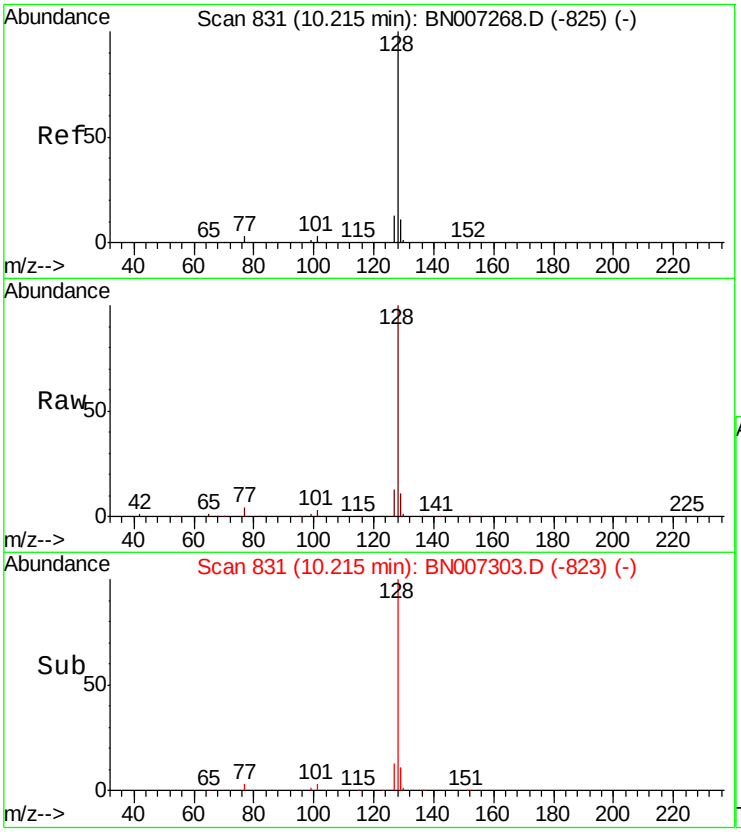


#8
Nitrobenzene-d5
Concen: 0.236 ng
RT: 8.54 min Scan# 699
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion: 82 Resp: 3415

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.8	53.6
54	48.7	34.7	52.1



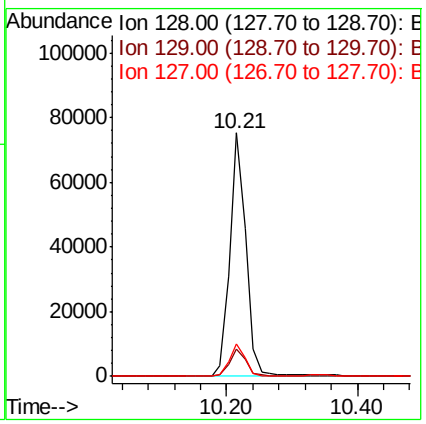


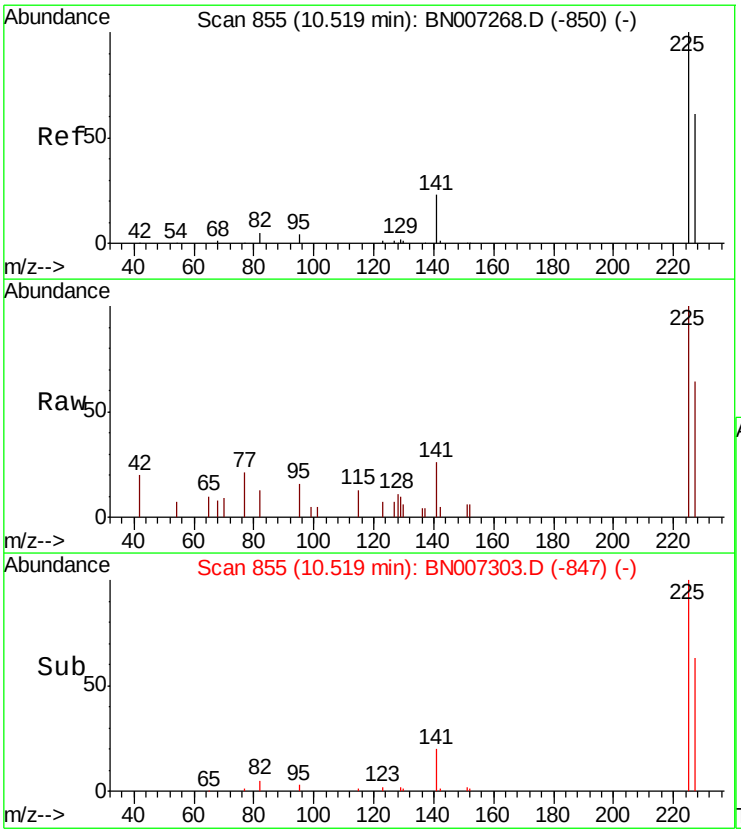
#9
Naphthalene
Concen: 2.374 ng
RT: 10.21 min Scan# 831
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 126609

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.4	10.6	16.0

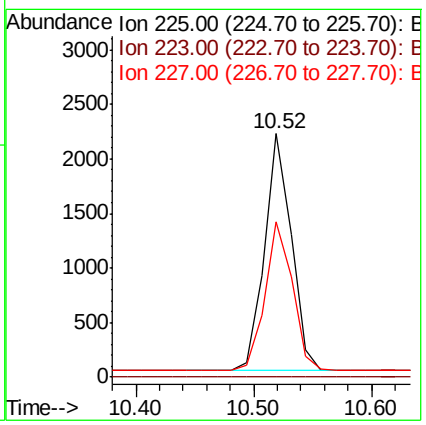


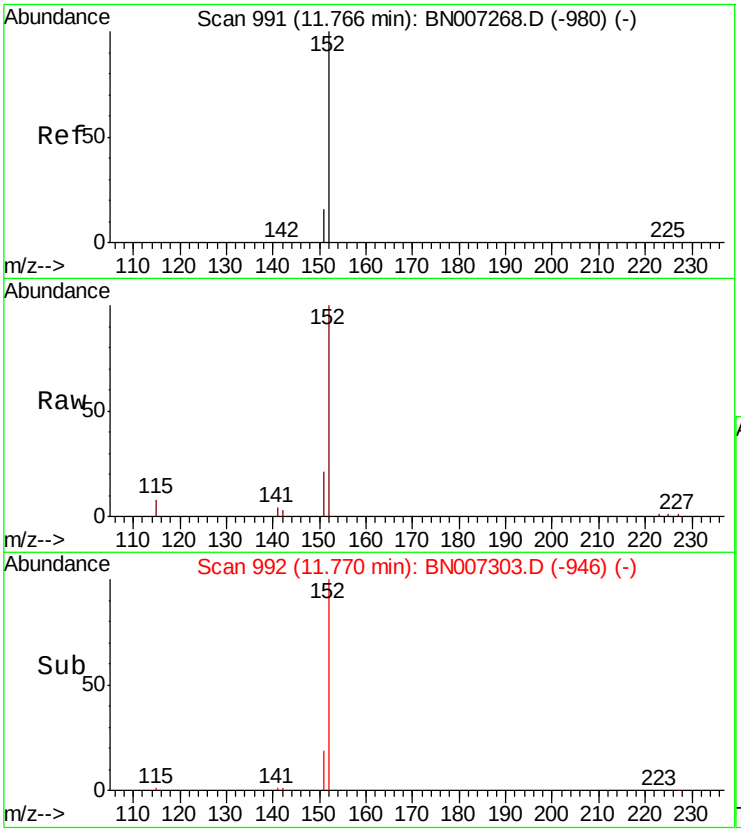


#10
Hexachlorobutadiene
Concen: 0.294 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:225 Resp: 3464

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.2	75.2



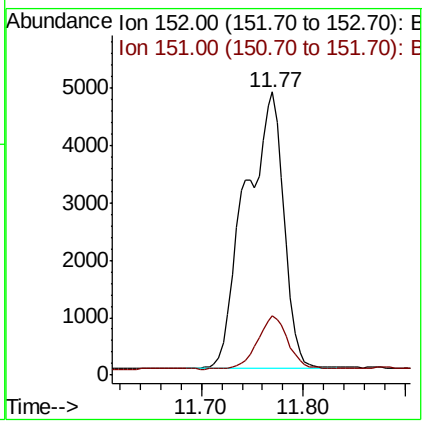


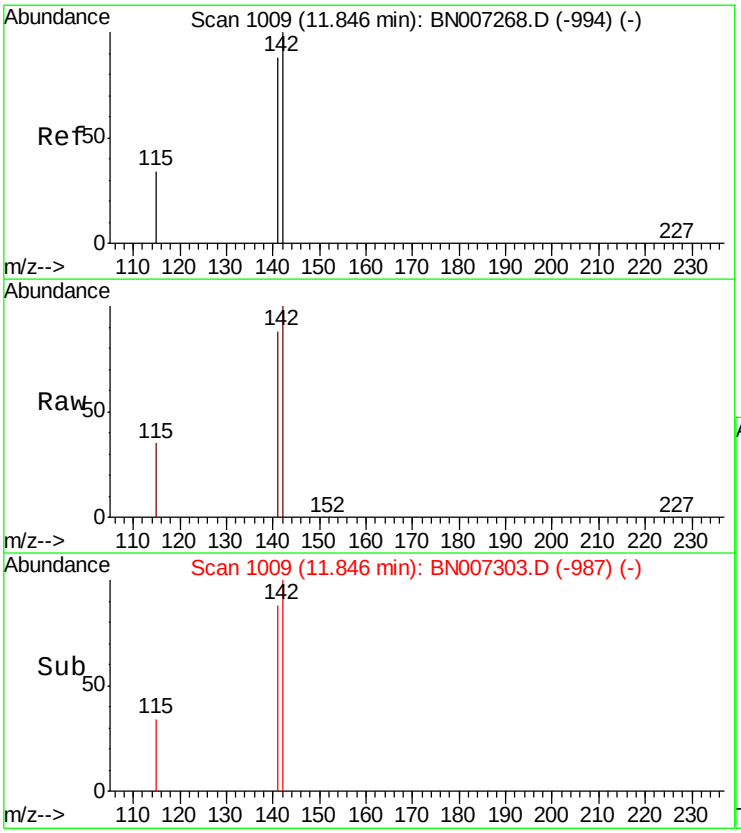
#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 11.77 min Scan# 992
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 12711

Ion	Ratio	Lower	Upper
152	100		
151	15.4	15.2	22.8

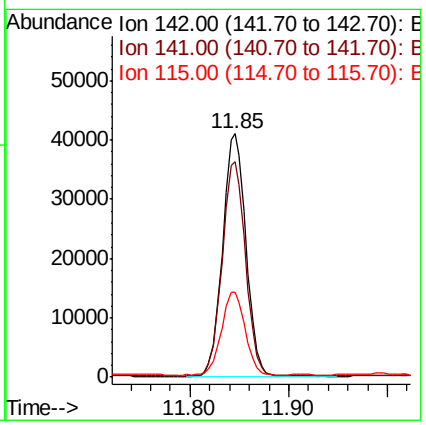


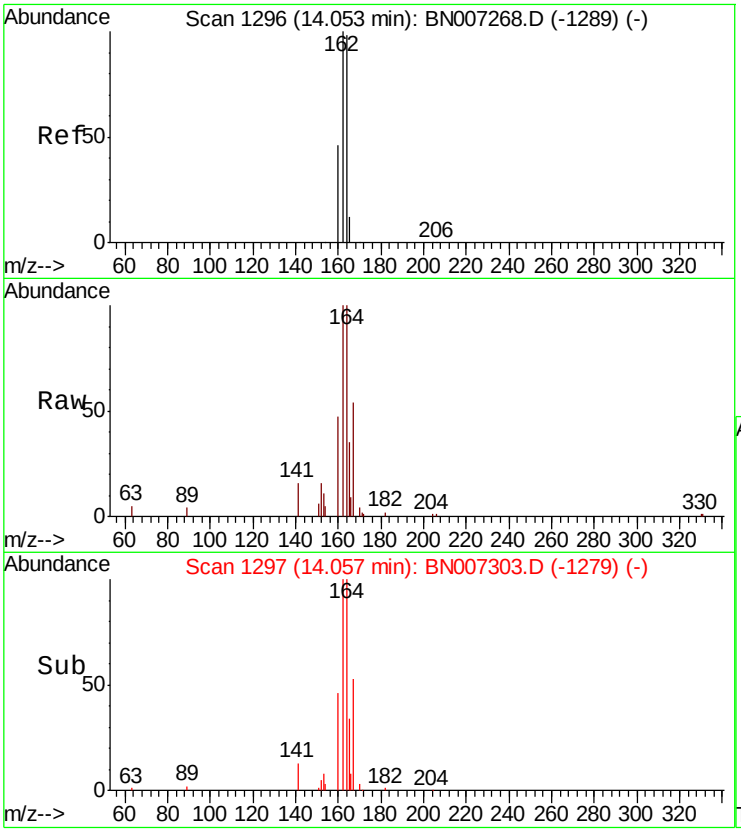


#12
2-Methylnaphthalene
Concen: 1.819 ng
RT: 11.85 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:142 Resp: 67187

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1
115	34.9	28.1	42.1



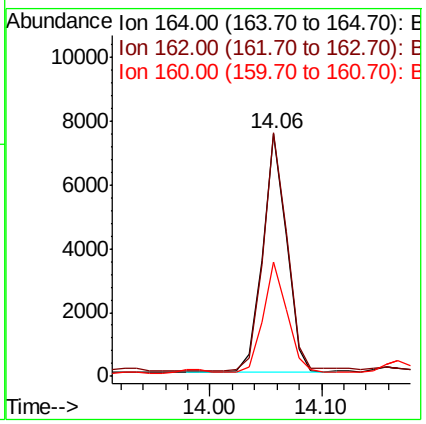


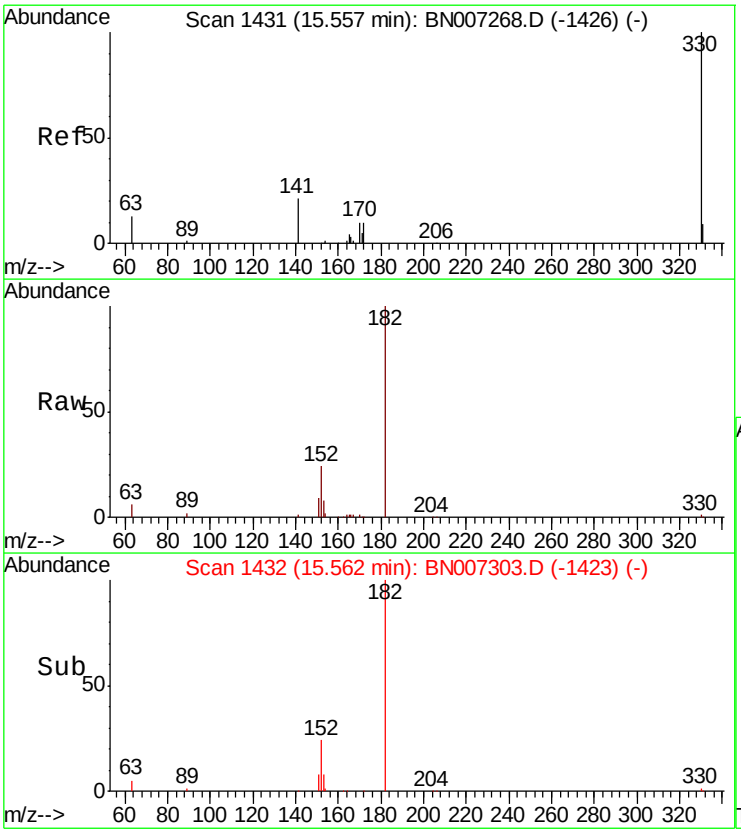
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 11298

Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.0	123.0
160	46.9	38.2	57.4

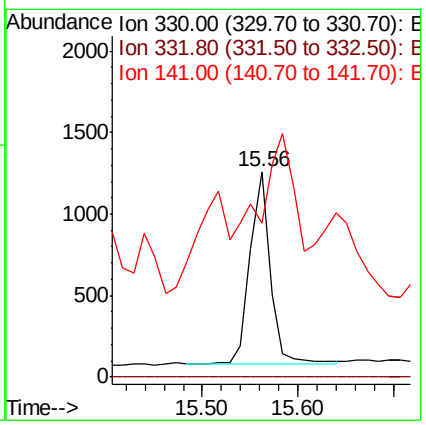


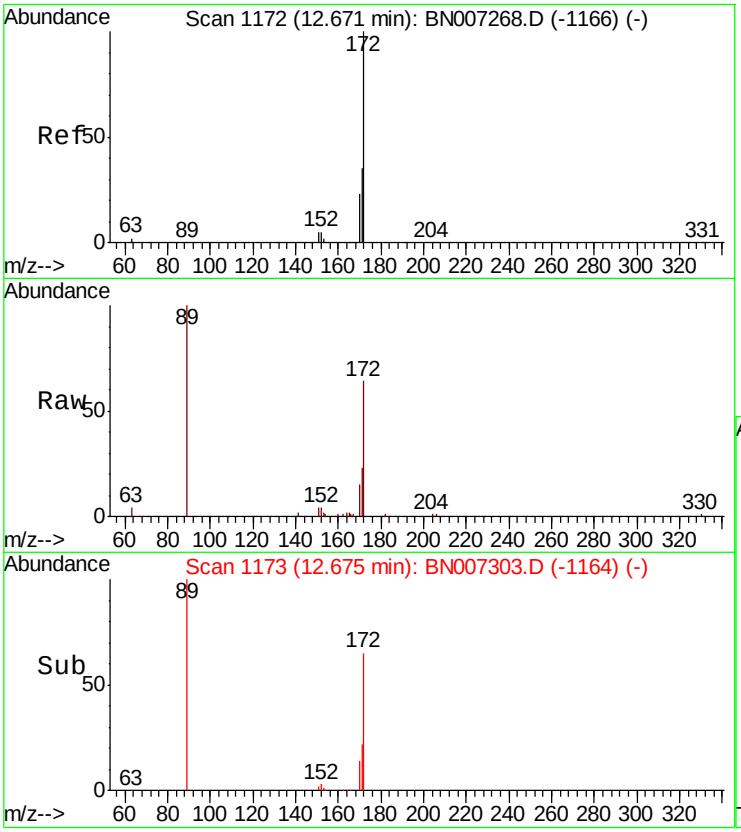


#14
2,4,6-Tribromophenol
Concen: 0.279 ng
RT: 15.56 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:330 Resp: 1771

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	0.0	30.3	45.5#



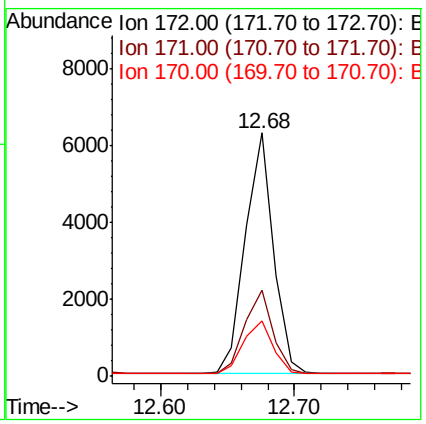


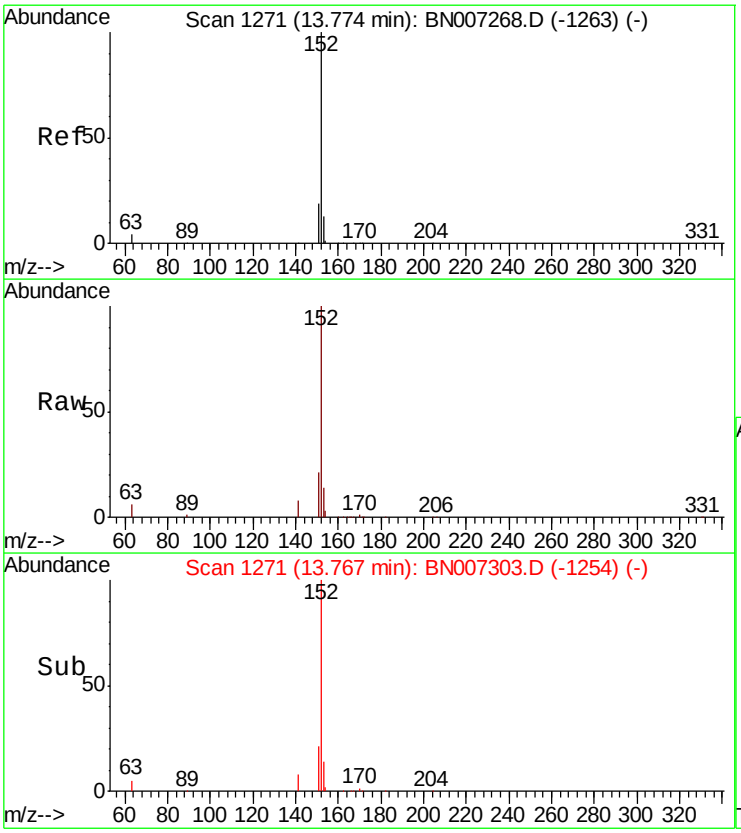
#15
2-Fluorobiphenyl
Concen: 0.191 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 9232

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	22.8	18.7	28.1

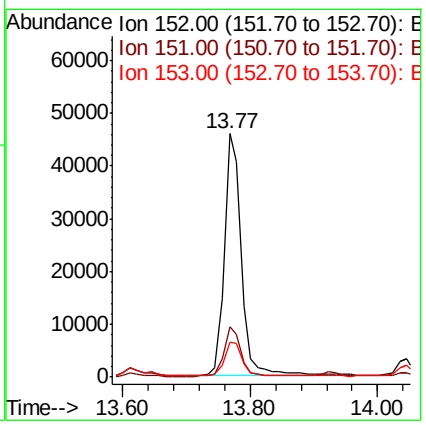


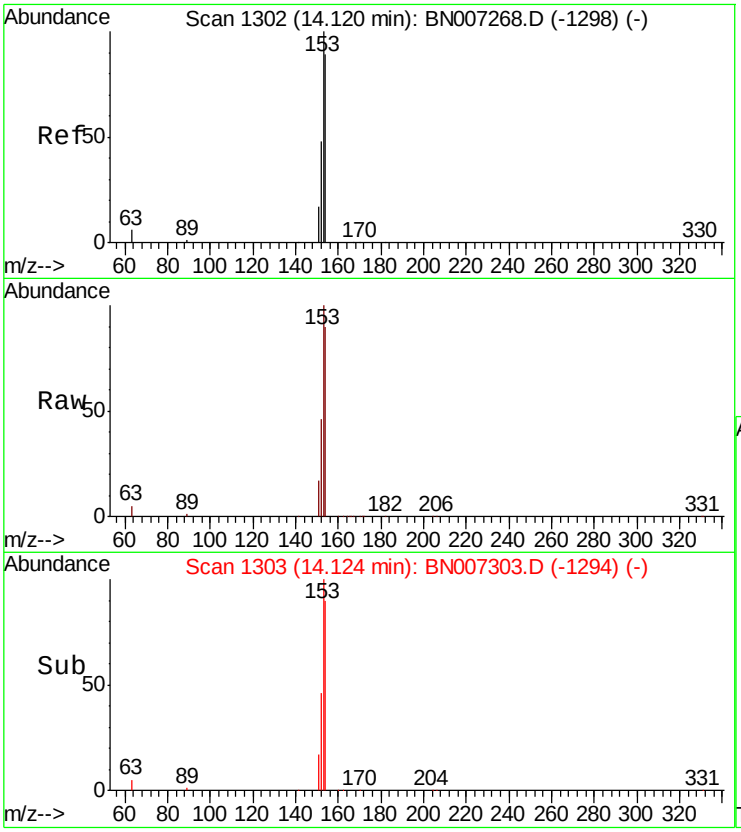


#16
Acenaphthylene
Concen: 1.415 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:152 Resp: 84758

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.2
153	14.5	10.1	15.1



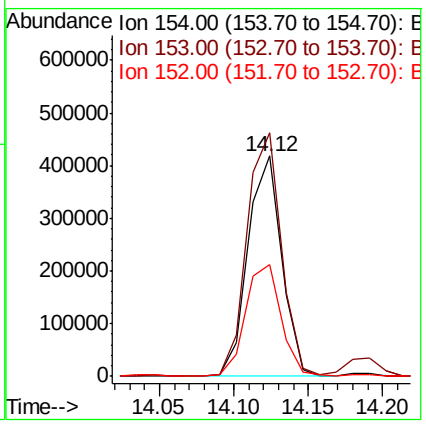


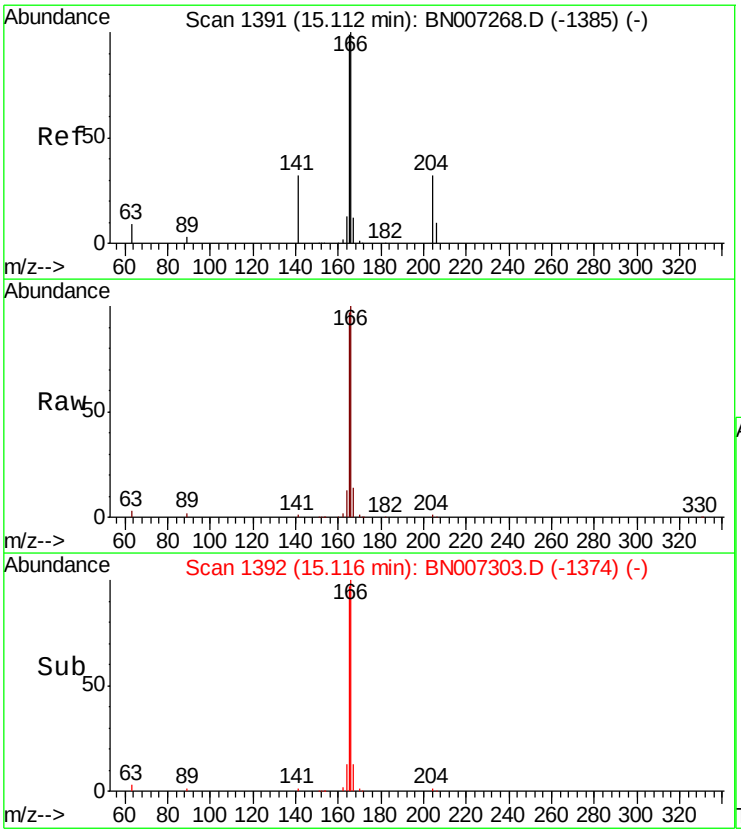
#17
Acenaphthene
Concen: 17.249 ng
RT: 14.12 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 658585

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.9	134.9
152	53.2	43.9	65.9

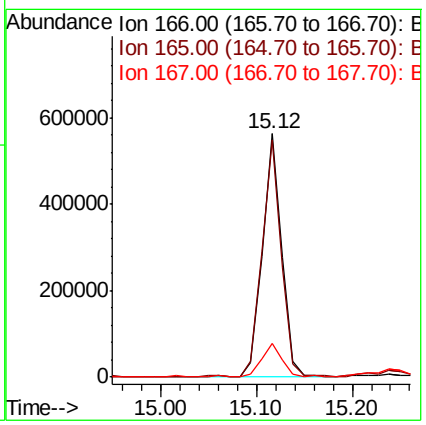


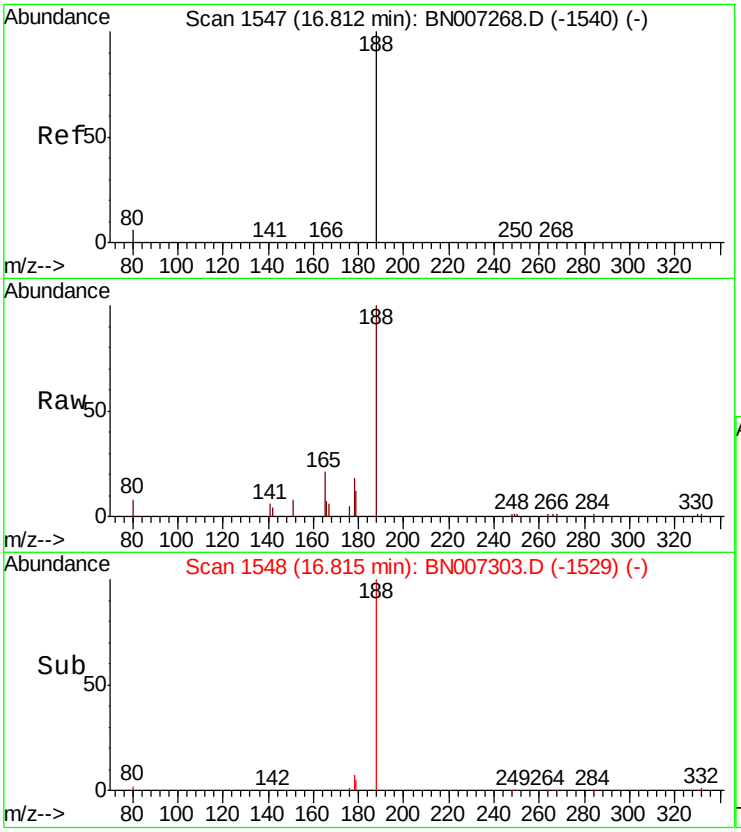


#18
Fluorene
Concen: 16.137 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:166 Resp: 804984

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	14.4	11.1	16.7



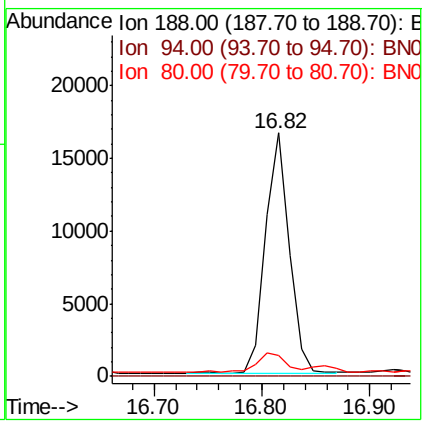


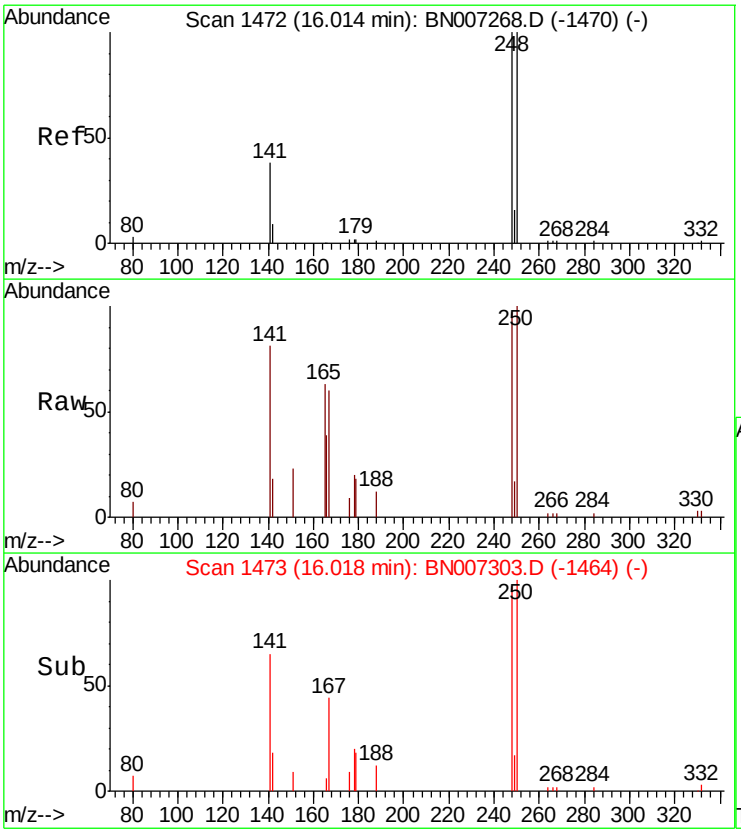
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 25406

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	5.2	7.8#

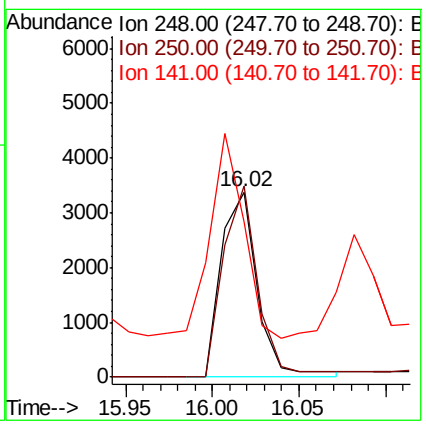


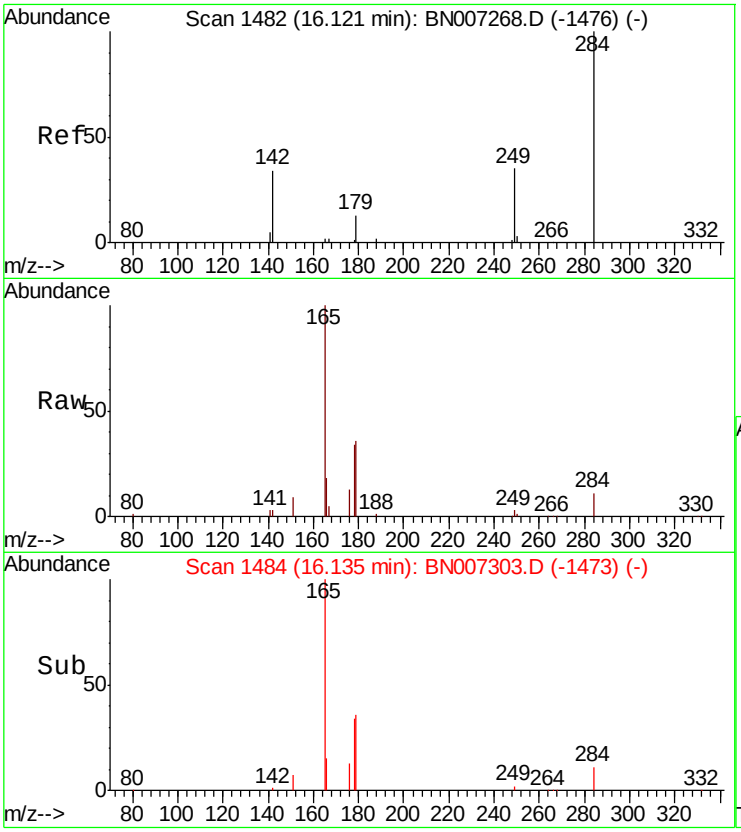


#20
4-Bromophenyl-phenylether
Concen: 0.336 ng
RT: 16.02 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:248 Resp: 4894

Ion	Ratio	Lower	Upper
248	100		
250	103.4	79.6	119.4
141	84.0	45.1	67.7#



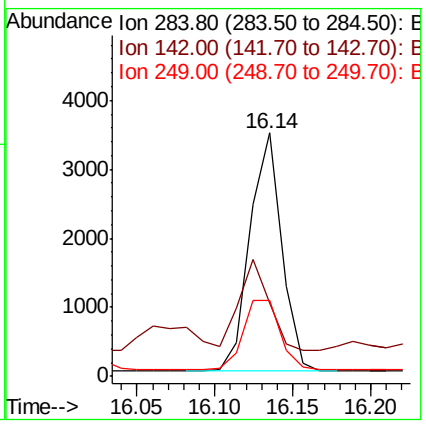


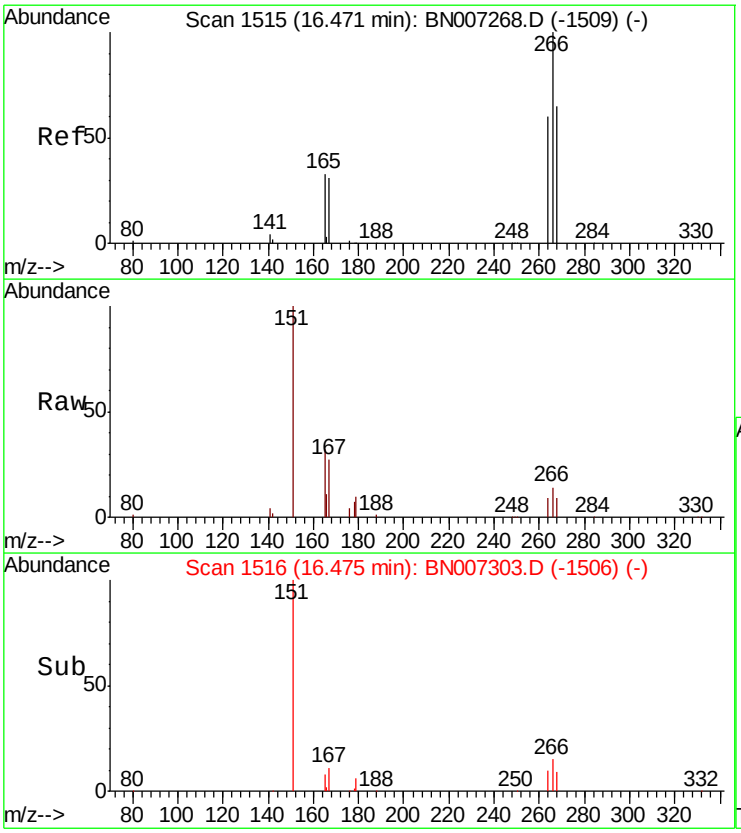
#21
Hexachlorobenzene
Concen: 0.291 ng
RT: 16.14 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 4901

Ion	Ratio	Lower	Upper
284	100		
142	35.0	29.5	44.3
249	33.9	26.2	39.4

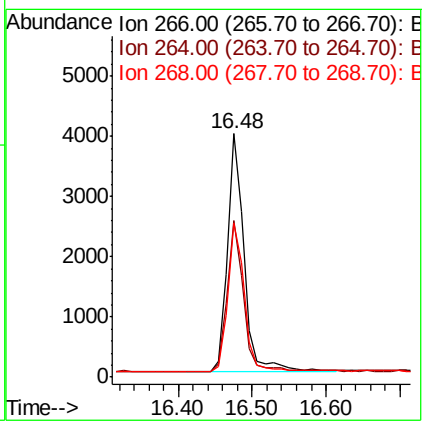


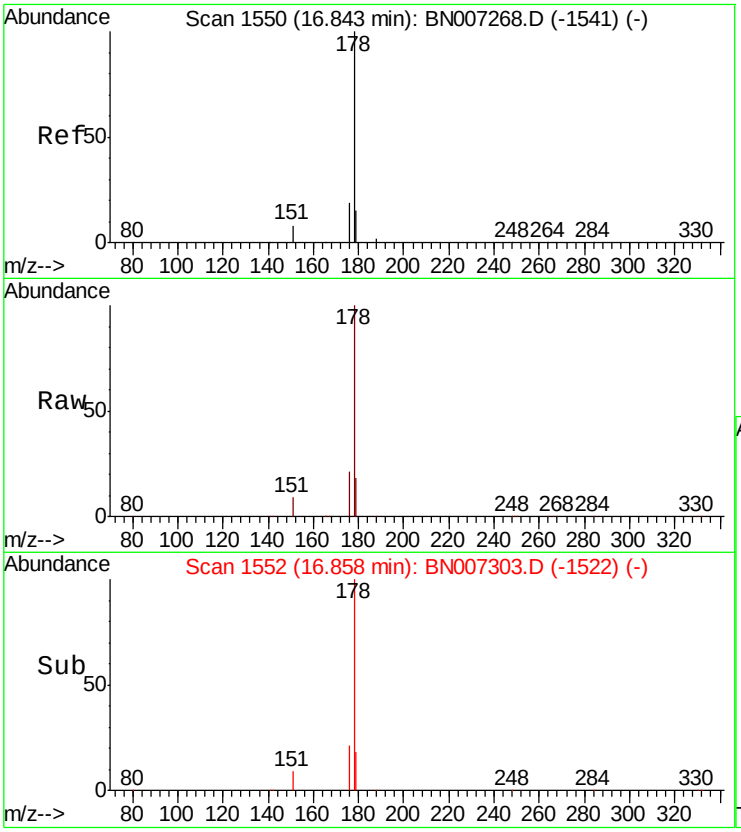


#22
Pentachlorophenol
Concen: 0.936 ng
RT: 16.48 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:266 Resp: 6327

Ion	Ratio	Lower	Upper
266	100		
264	64.1	48.7	73.1
268	63.5	53.5	80.3



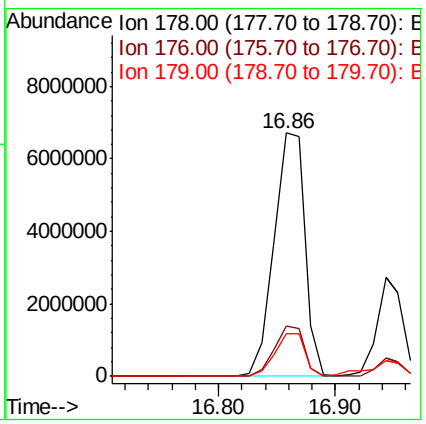


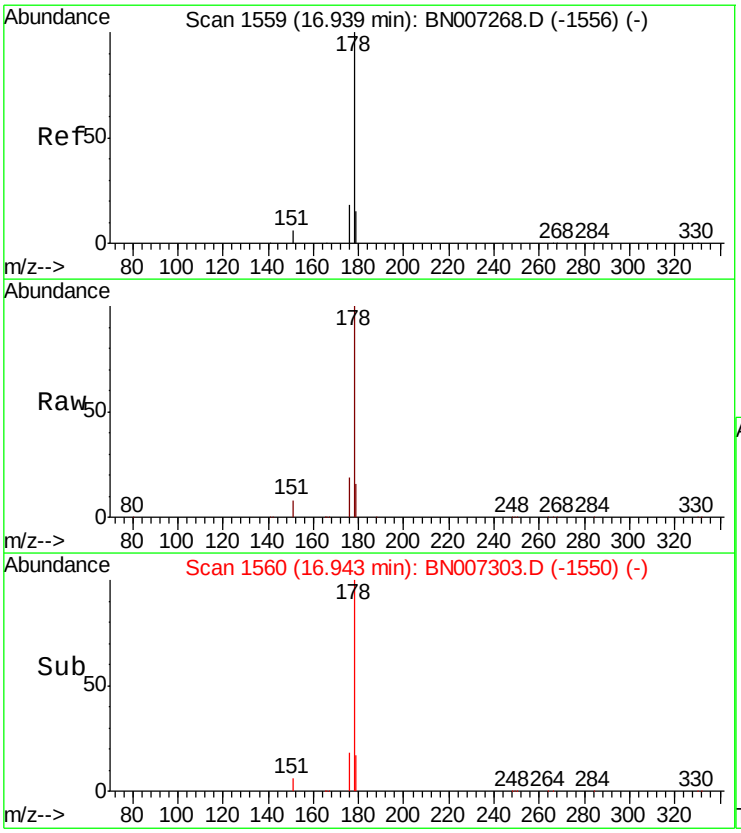
#23
Phenanthrene
Concen: 155.432 ng
RT: 16.86 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp:12376882

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.2	22.8
179	17.3	12.3	18.5

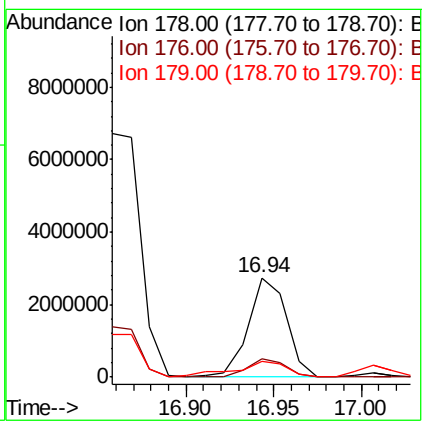


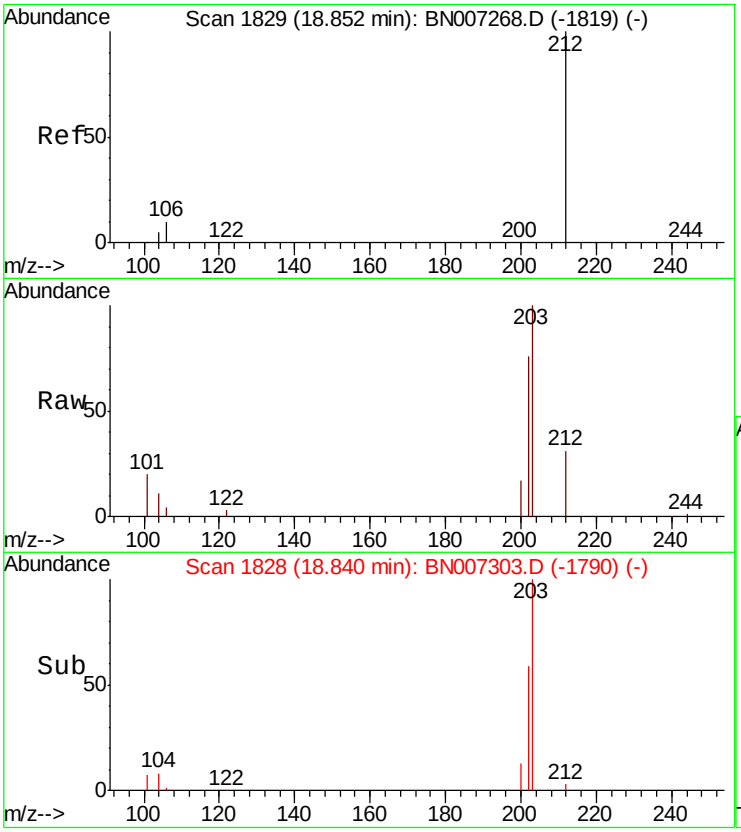


#24
Anthracene
Concen: 57.920 ng
RT: 16.94 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:178 Resp: 4152895

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	21.6	12.3	18.5#



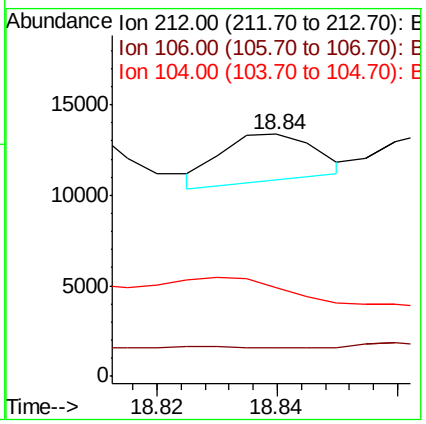


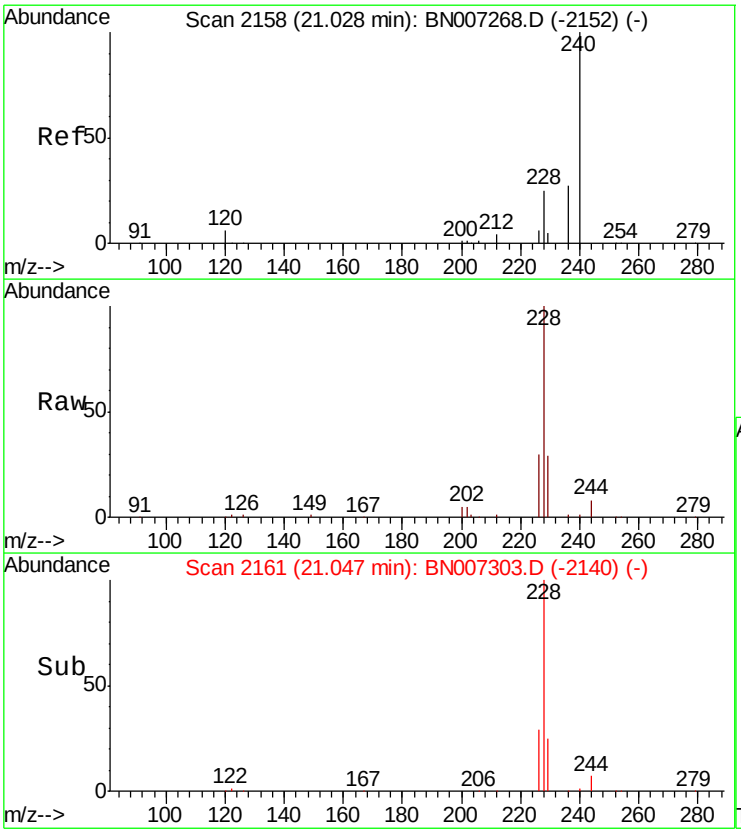
#25
Fluoranthene-d10
Concen: 0.036 ng
RT: 18.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 2914

Ion	Ratio	Lower	Upper
212	100		
106	0.0	8.2	12.4#
104	0.0	4.7	7.1#

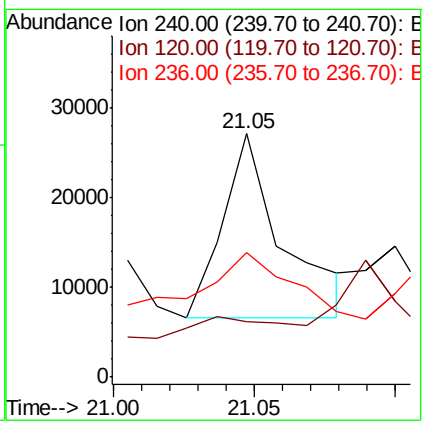


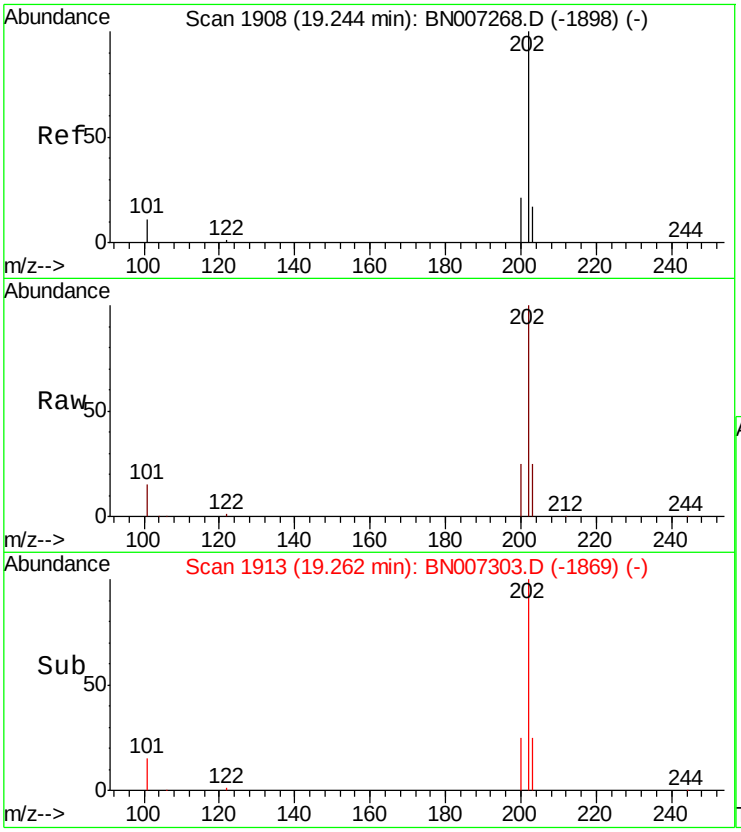


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2161
Delta R.T. 0.02 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:240 Resp: 30816

Ion	Ratio	Lower	Upper
240	100		
120	22.8	5.6	8.4#
236	51.2	21.6	32.4#



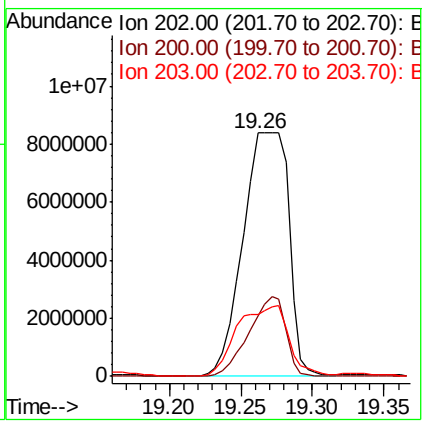


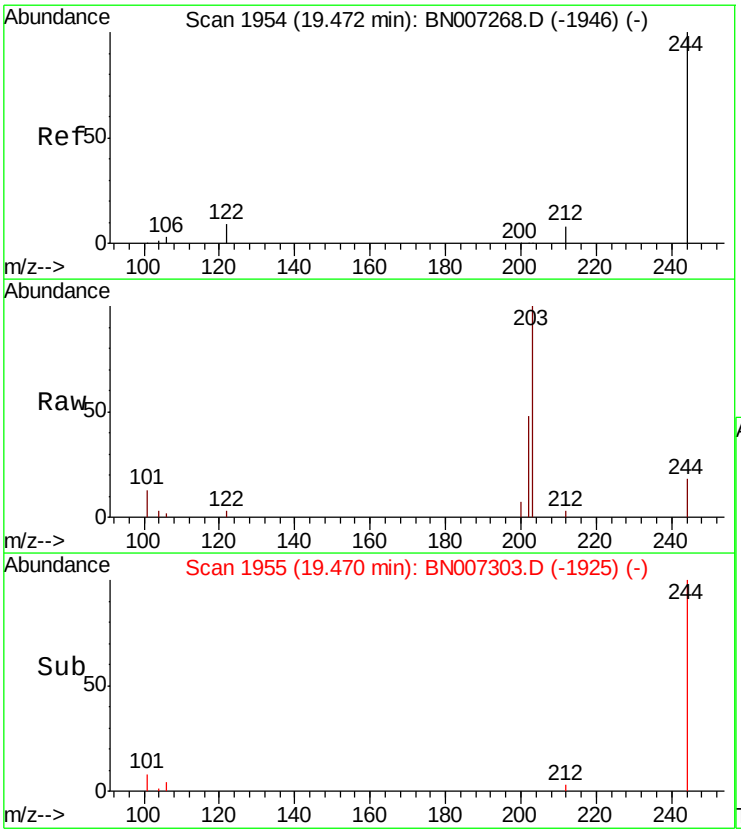
#28
Pyrene
Concen: 161.483 ng
RT: 19.26 min Scan# 1913
Delta R.T. 0.02 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp:18608506

Ion	Ratio	Lower	Upper
202	100		
200	26.5	16.7	25.1#
203	32.6	13.9	20.9#

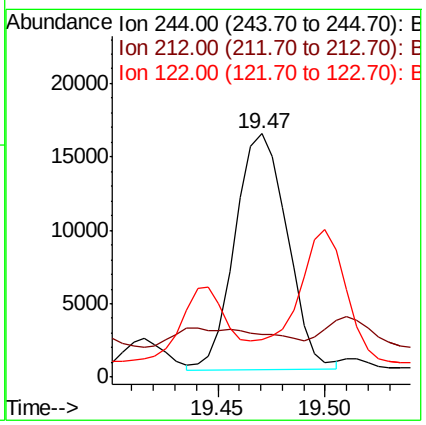


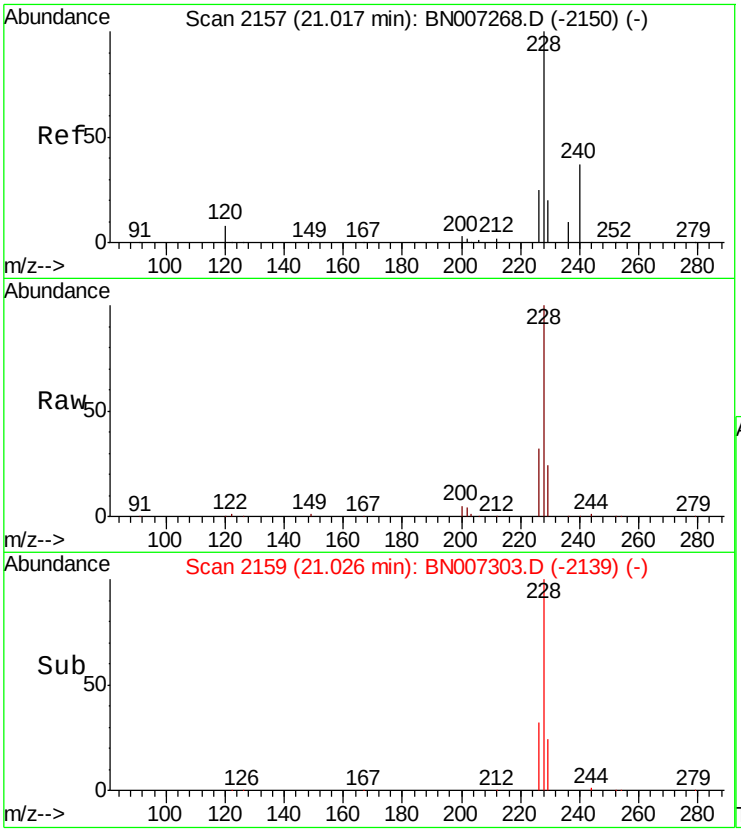


#29
Terphenyl-d14
Concen: 0.353 ng
RT: 19.47 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:244 Resp: 27184

Ion	Ratio	Lower	Upper
244	100		
212	17.4	6.5	9.7#
122	15.4	7.9	11.9#



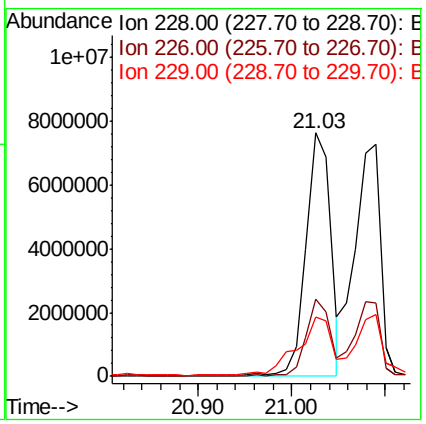


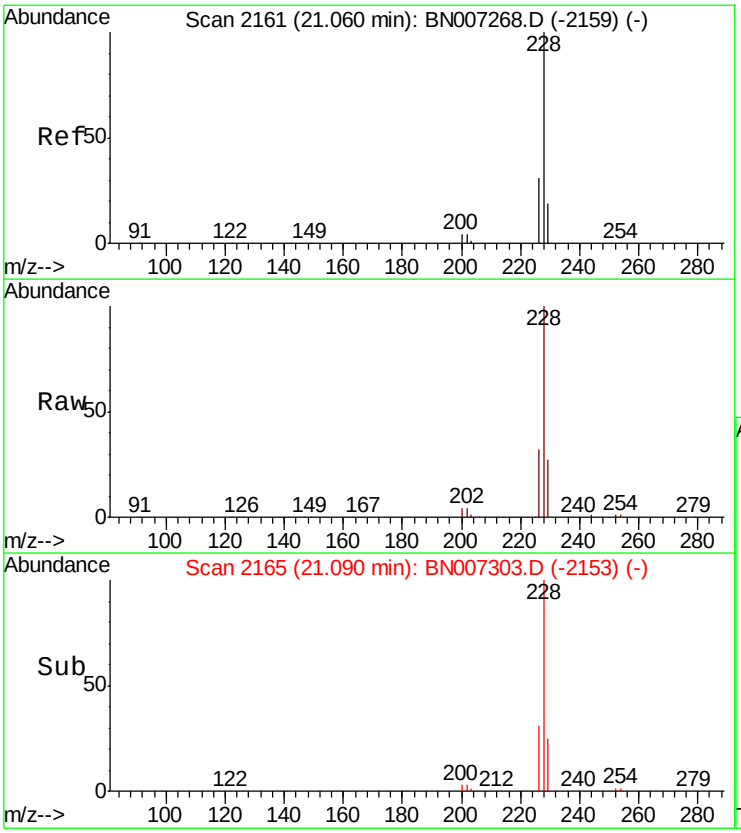
#30
Benzo(a)anthracene
Concen: 120.917 ng
RT: 21.03 min Scan# 2159
Delta R.T. 0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp:13855593

Ion	Ratio	Lower	Upper
228	100		
226	32.0	20.6	30.8#
229	24.4	16.9	25.3

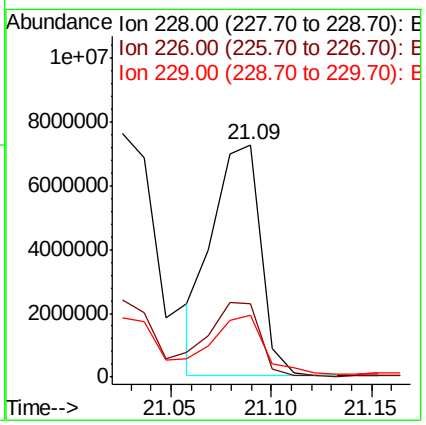


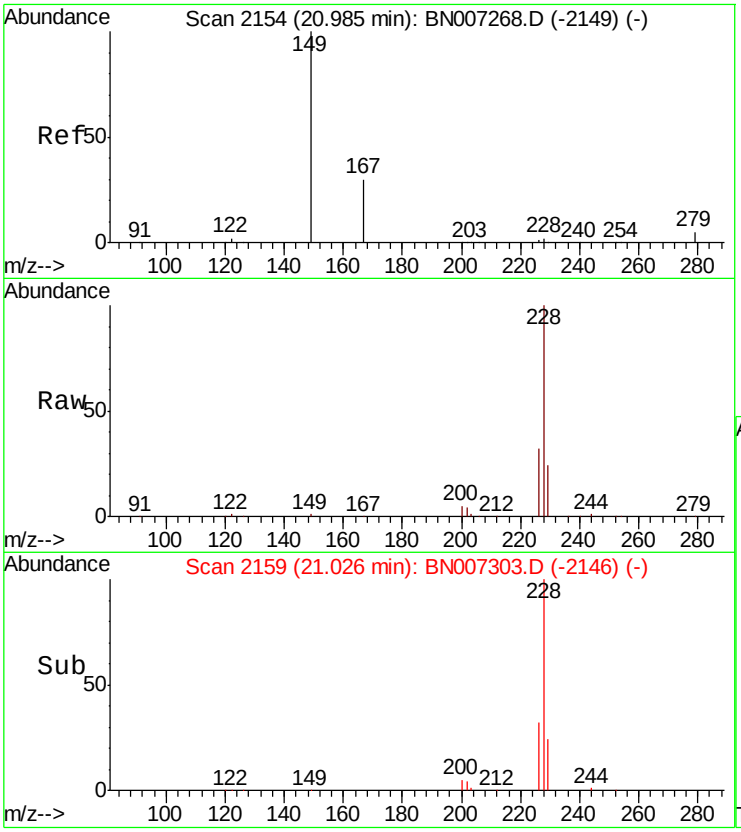


#31
Chrysene
Concen: 104.164 ng
RT: 21.09 min Scan# 2165
Delta R.T. 0.03 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:228 Resp:12180515

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.6	36.8
229	26.8	15.6	23.4#



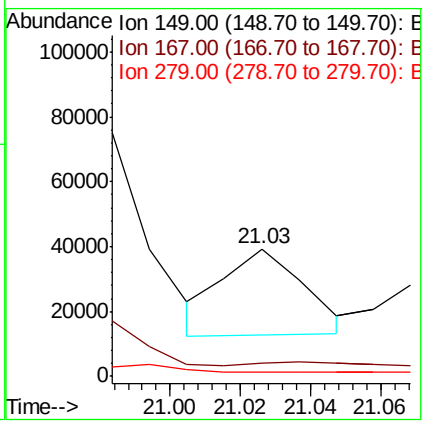


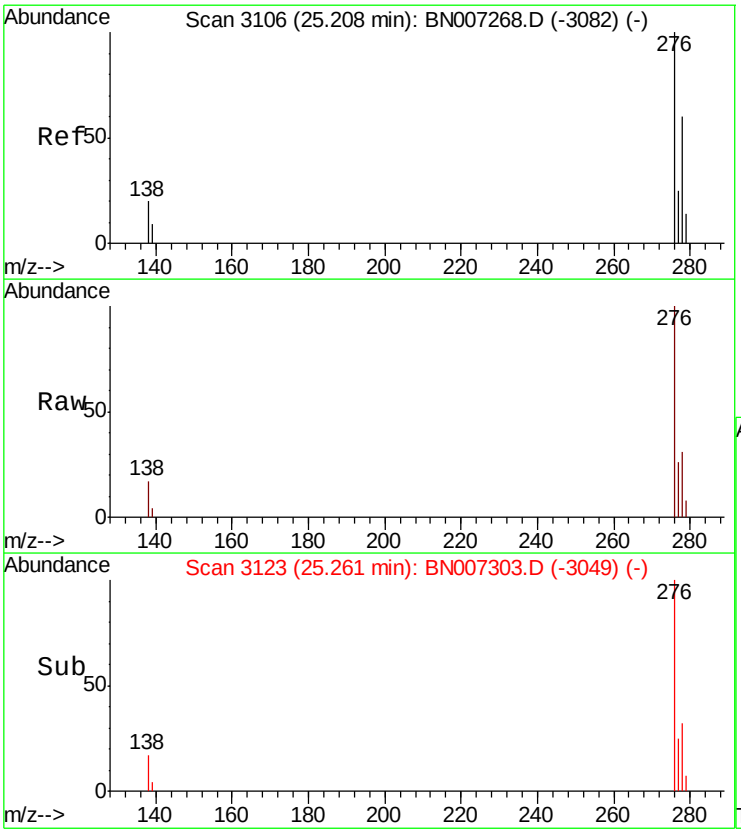
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.925 ng
RT: 21.03 min Scan# 2159
Delta R.T. 0.04 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:149 Resp: 42347

Ion	Ratio	Lower	Upper
149	100		
167	6.7	23.8	35.6#
279	0.0	3.8	5.8#

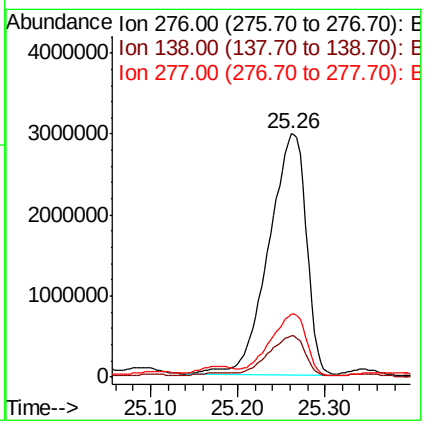


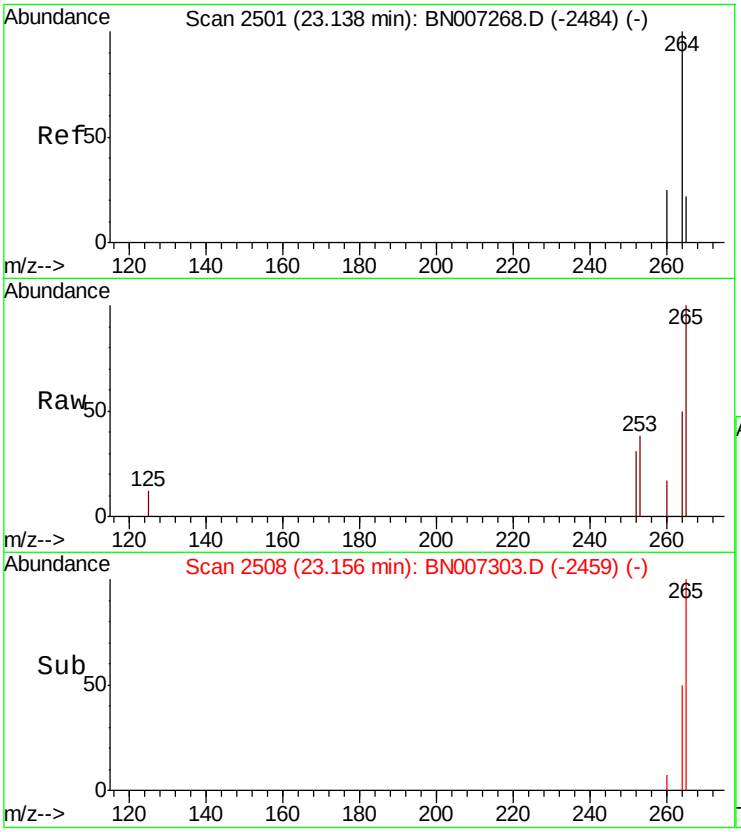


#33
Indeno(1,2,3-cd)pyrene
Concen: 63.886 ng
RT: 25.26 min Scan# 3123
Delta R.T. 0.05 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:276 Resp: 8989148

Ion	Ratio	Lower	Upper
276	100		
138	16.5	17.1	25.7#
277	24.9	20.1	30.1



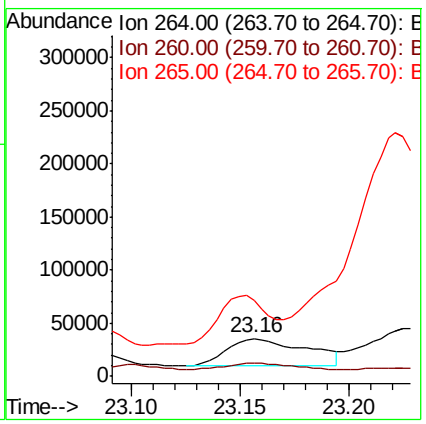


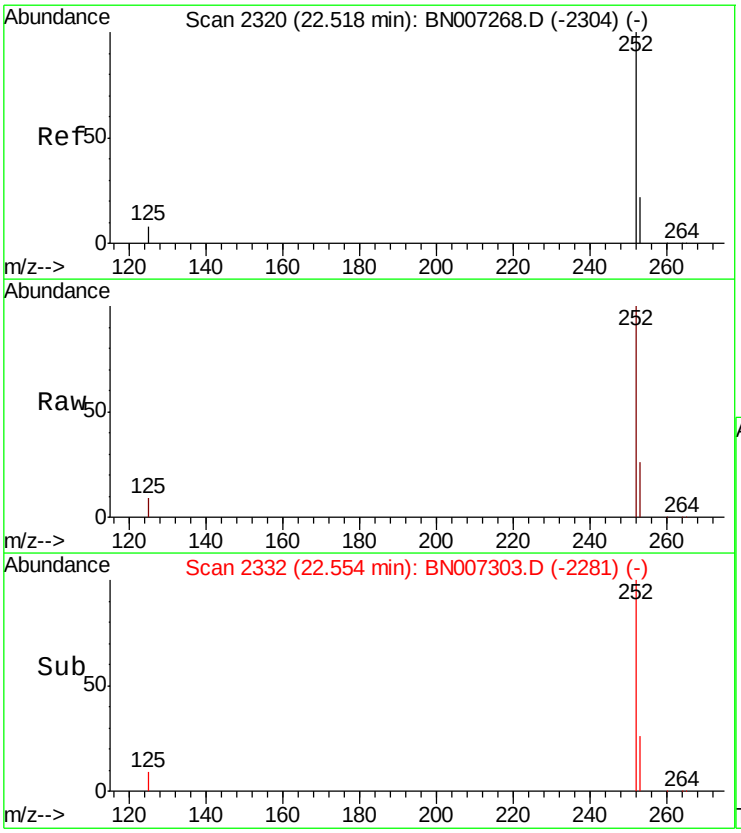
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2508
Delta R.T. 0.02 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 64431

Ion	Ratio	Lower	Upper
264	100		
260	34.3	20.1	30.1#
265	200.7	29.0	43.6#

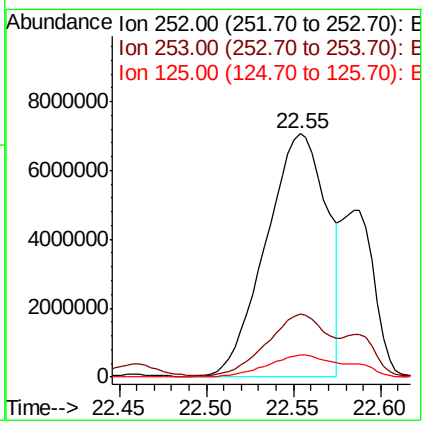


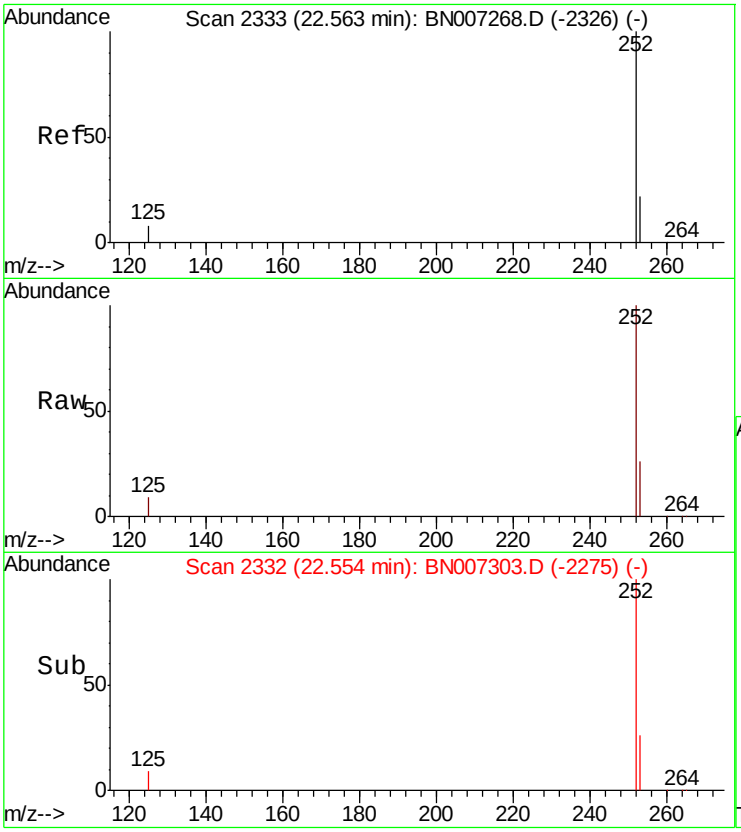


#35
Benzo(b)fluoranthene
Concen: 71.277 ng
RT: 22.55 min Scan# 2332
Delta R.T. 0.04 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:252 Resp:17120732

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.5	27.7
125	9.0	7.8	11.6



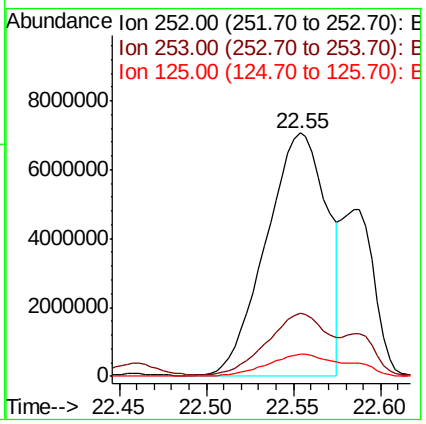


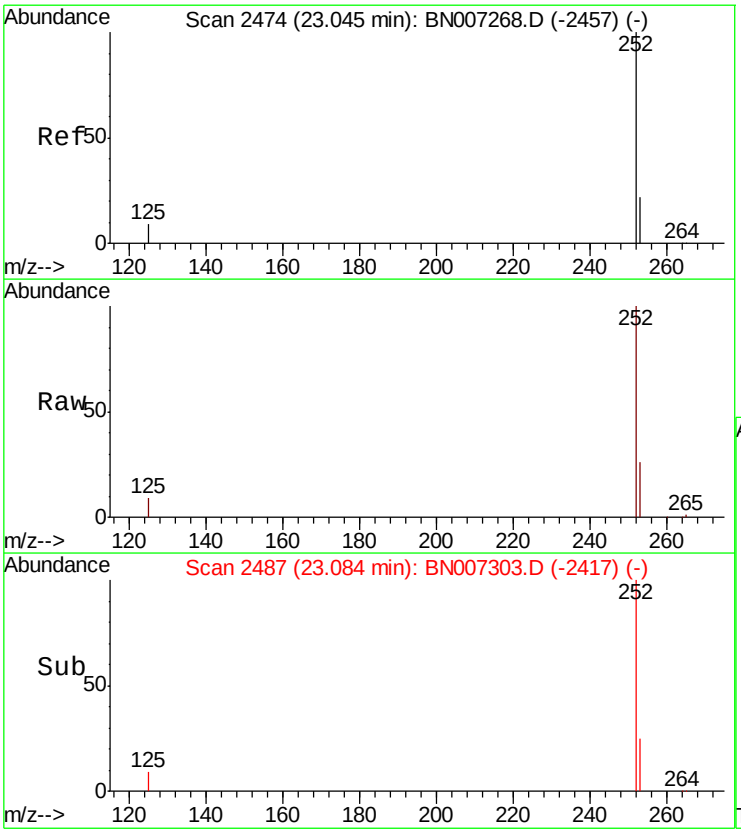
#36
Benzo(k)fluoranthene
Concen: 72.755 ng
RT: 22.55 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp:17120732

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.4	27.6
125	9.0	8.0	12.0

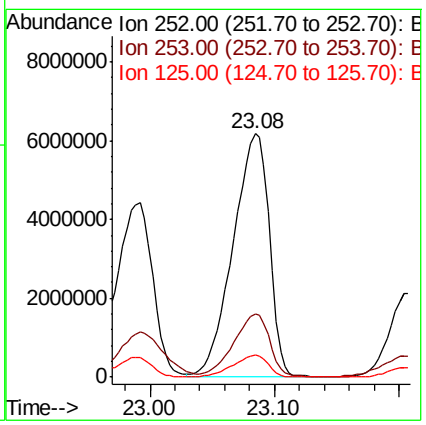


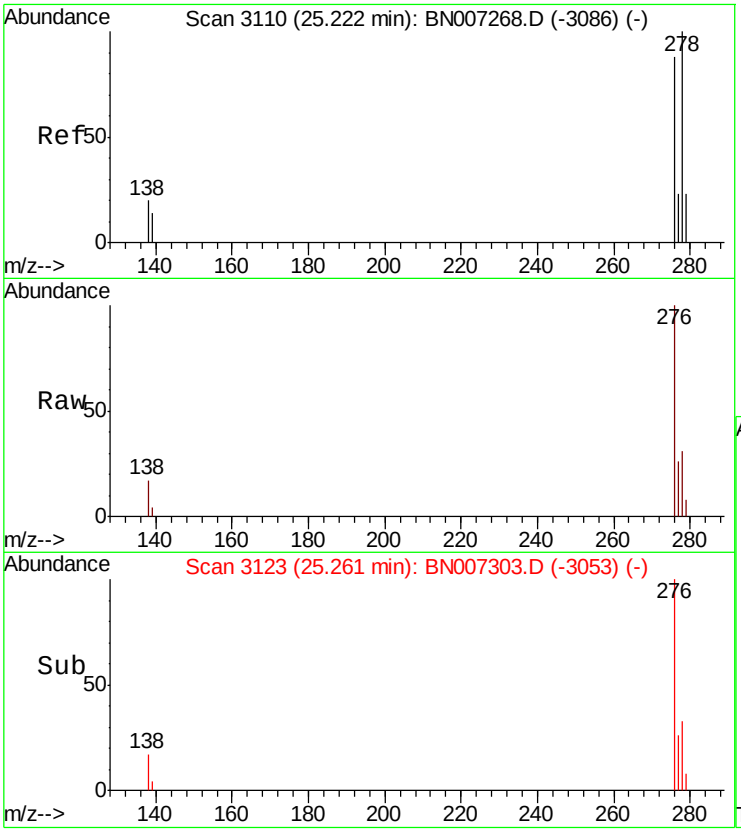


#37
Benzo(a)pyrene
Concen: 57.180 ng
RT: 23.08 min Scan# 2487
Delta R.T. 0.04 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:252 Resp:12378291

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.7	28.1
125	8.9	8.7	13.1



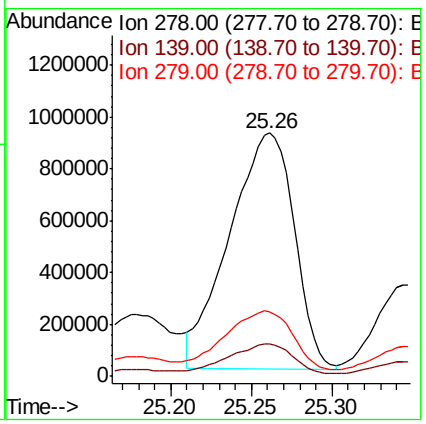


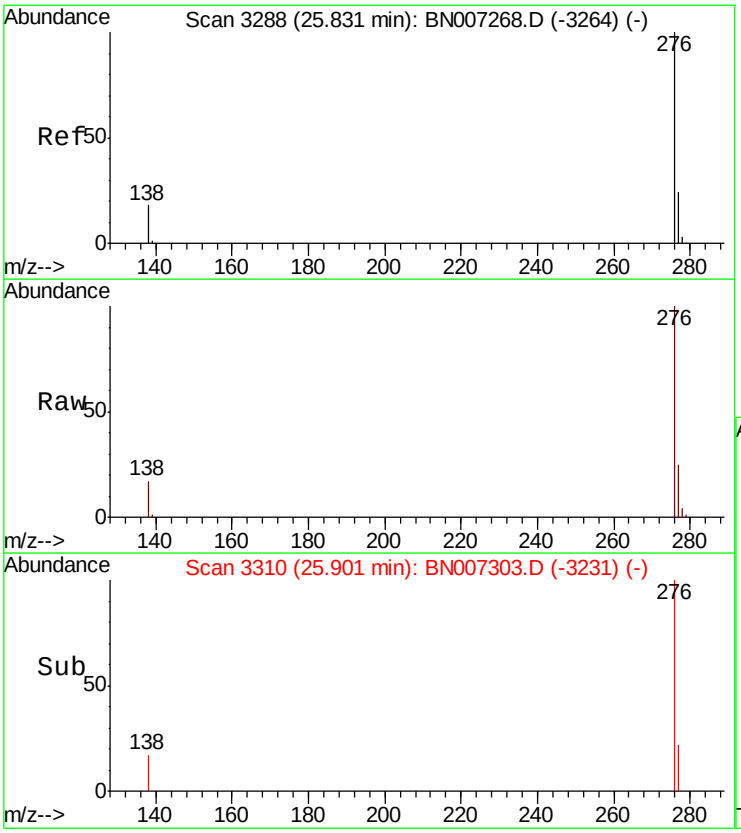
#38
Dibenzo(a,h)anthracene
Concen: 11.169 ng
RT: 25.26 min Scan# 3123
Delta R.T. 0.04 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 2540167

Ion	Ratio	Lower	Upper
278	100		
139	13.1	11.8	17.8
279	26.6	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 36.954 ng
RT: 25.90 min Scan# 3310
Delta R.T. 0.07 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:276 Resp: 8494935

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.5	29.3
138	17.0	15.3	22.9