Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007206.D
Acq On : 15 Aug 2019 20:57
Operator : HP/JU
Sample : K4282-02 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 07:06:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7840	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	30126	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	17159	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	39693	0.40	ng		0.00
26) Chrysene-d12	21.03	240	37291	0.40	ng		-0.02
32) Perylene-d12	23.15	264	42099	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	837	0.04	ng		0.00
4) Phenol-d6	6.61	99	1106	0.05	ng		0.00
7) Nitrobenzene-d5	8.55	82	960	0.04	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1899	0.03	ng		-0.01
13) 2,4,6-Tribromophenol	15.57	330	330	0.04	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	380	0.02	ng		0.00
24) Fluoranthene-d10	18.86	212	5070	0.04	ng		-0.01
28) Terphenyl-d14	19.48	244	3289	0.03	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	12545	0.149	ng		98
11) 2-Methylnaphthalene	11.86	142	12083	0.202	ng		96
15) Acenaphthylene	13.79	152	102561	1.144	ng		99
16) Acenaphthene	14.13	154	6011	0.105	ng	#	92
17) Fluorene	15.12	166	25021	0.291	ng		85
21) Pentachlorophenol	16.48	266	221	0.025	ng	#	91
22) Phenanthrene	16.86	178	369921	3.110	ng		100
23) Anthracene	16.95	178	70573	0.649	ng		98
25) Fluoranthene	18.89	202	402501	2.645	ng		99
27) Pyrene	19.26	202	541305	4.139	ng		98
29) Benzo(a)anthracene	21.08	228	264233	1.938	ng		94
30) Chrysene	21.08	228	264121	1.993	ng		97
31) Indeno(1,2,3-cd)pyrene	25.23	276	123521	0.846	ng		99
33) Benzo(b)fluoranthene	22.53	252	245026	1.697	ng	#	97
34) Benzo(k)fluoranthene	22.53	252	245026	1.719	ng	#	97
35) Benzo(a)pyrene	23.06	252	191622	1.464	ng		98
36) Dibenzo(a,h)anthracene	25.24	278	35590	0.273	ng	#	75
37) Benzo(g,h,i)perylene	25.86	276	145212	1.081	ng		98

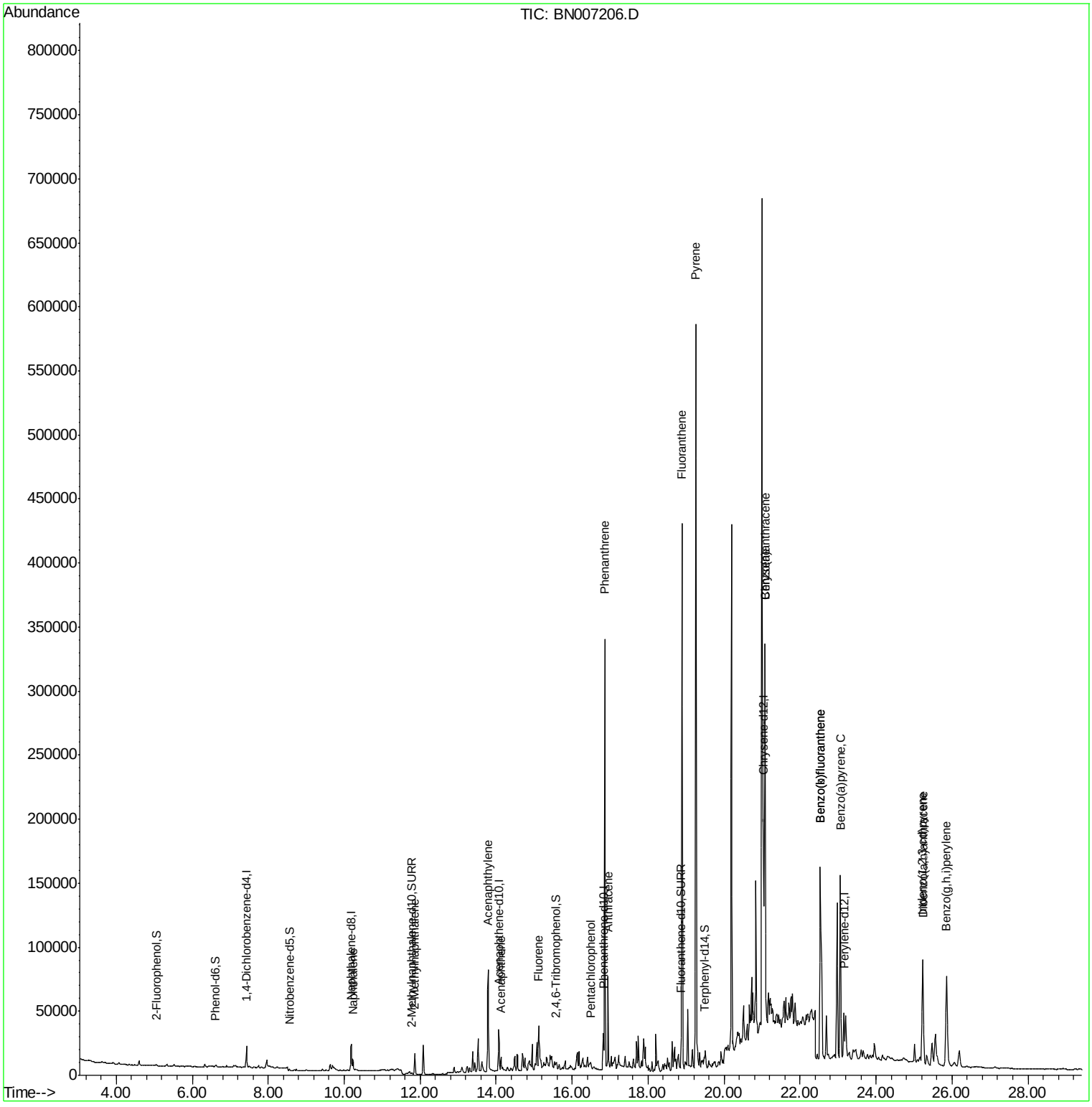
(#) = qualifier out of range (m) = manual integration (+) = signals summed

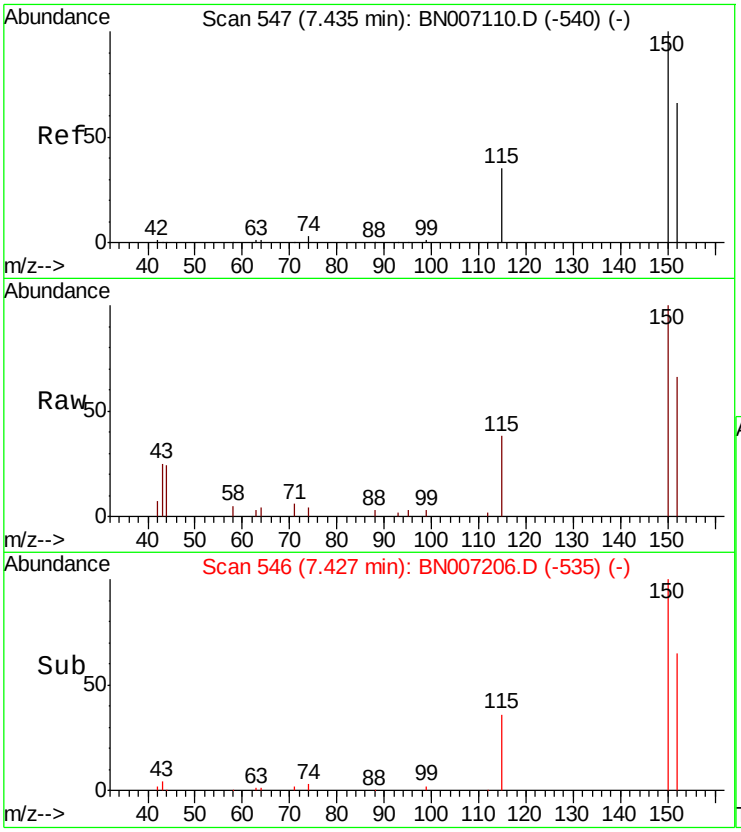
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007206.D
Acq On : 15 Aug 2019 20:57
Operator : HP/JU
Sample : K4282-02 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 16 07:06:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



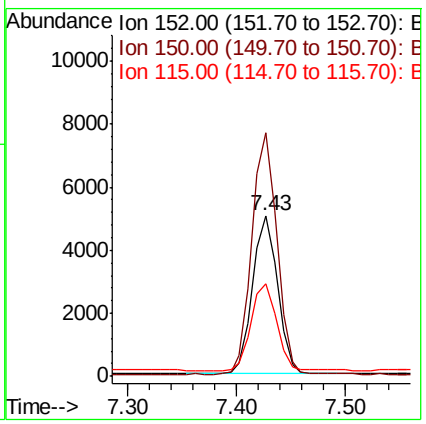


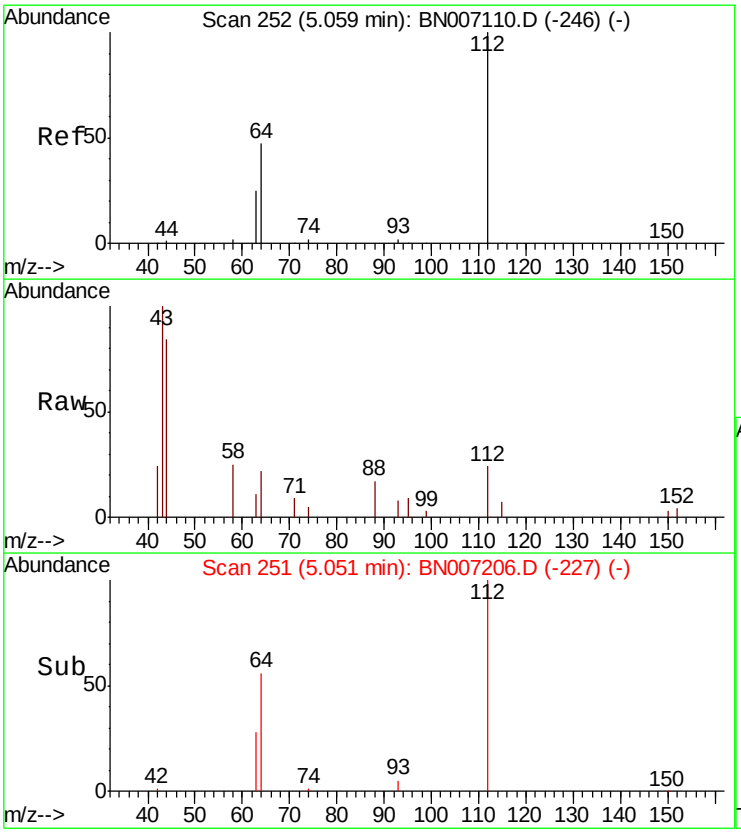
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7840

Ion	Ratio	Lower	Upper
152	100		
150	151.5	121.7	182.5
115	57.7	46.2	69.4

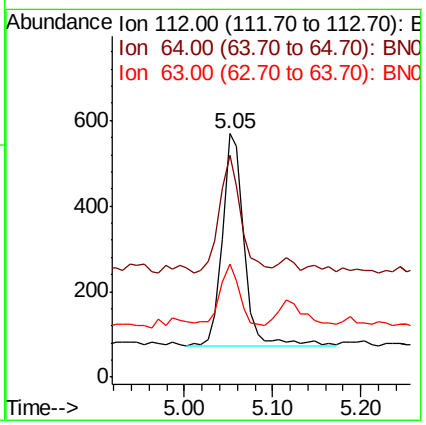


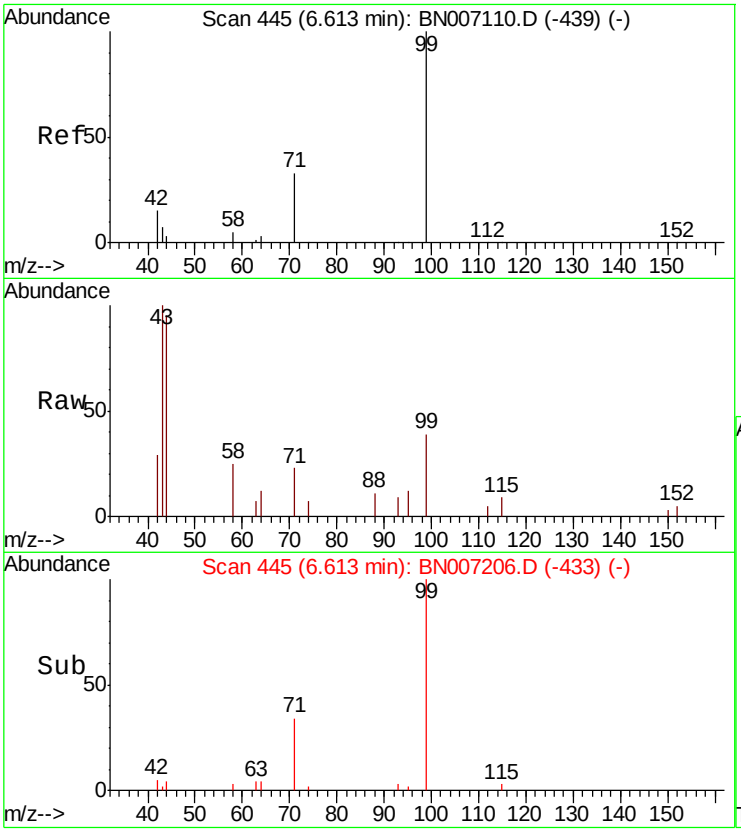


#3
2-Fluorophenol
Concen: 0.044 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:112 Resp: 837

Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.6	63.8
63	26.8	22.2	33.2



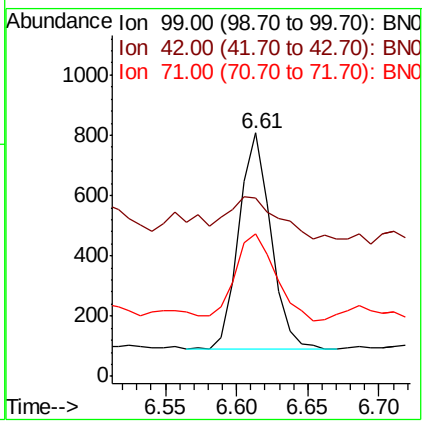


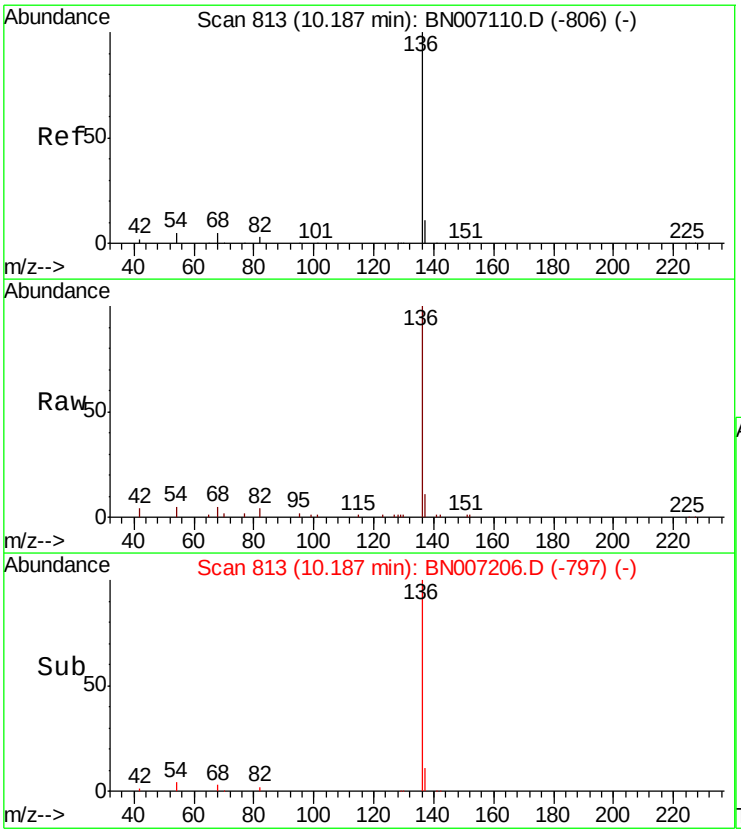
#4
Phenol-d6
Concen: 0.047 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1106

Ion	Ratio	Lower	Upper
99	100		
42	31.2	15.8	23.6#
71	50.3	27.0	40.4#

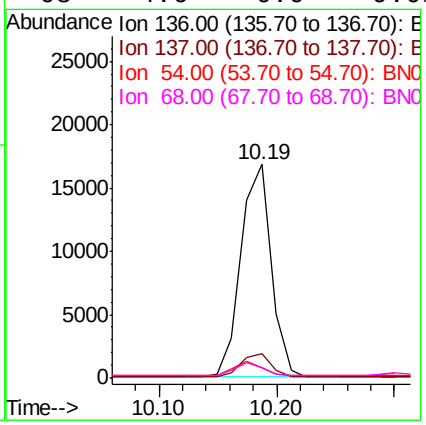


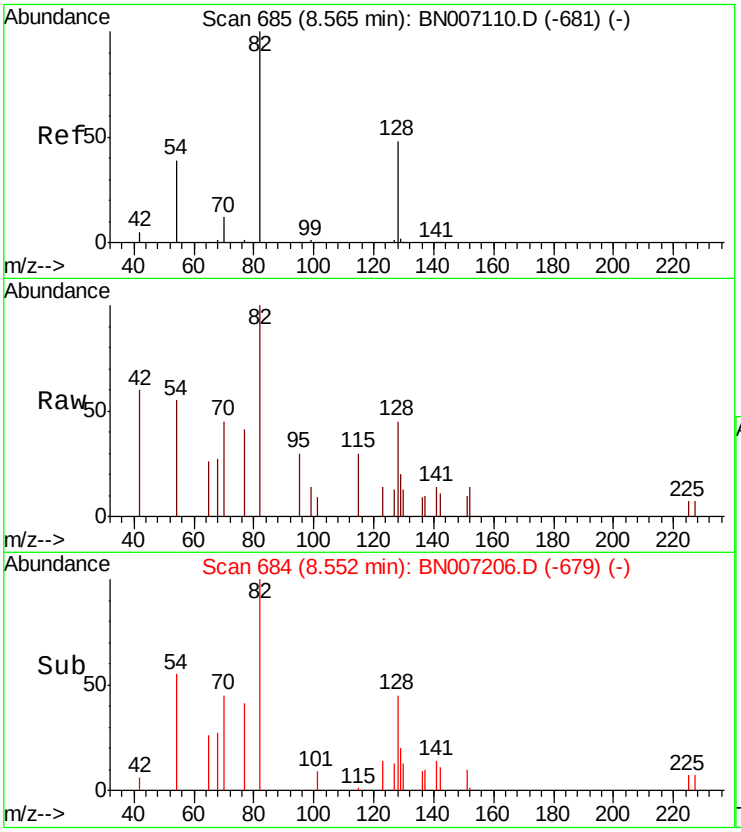


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:136 Resp: 30126

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	4.7	6.6	9.8#
68	4.6	6.0	9.0#



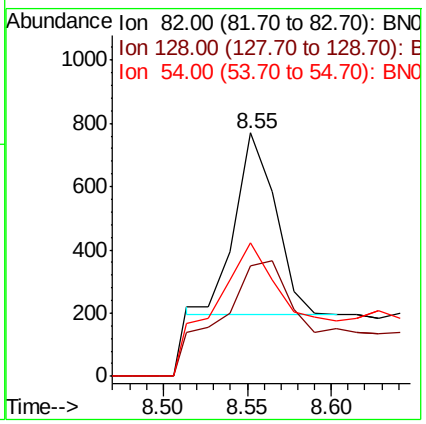


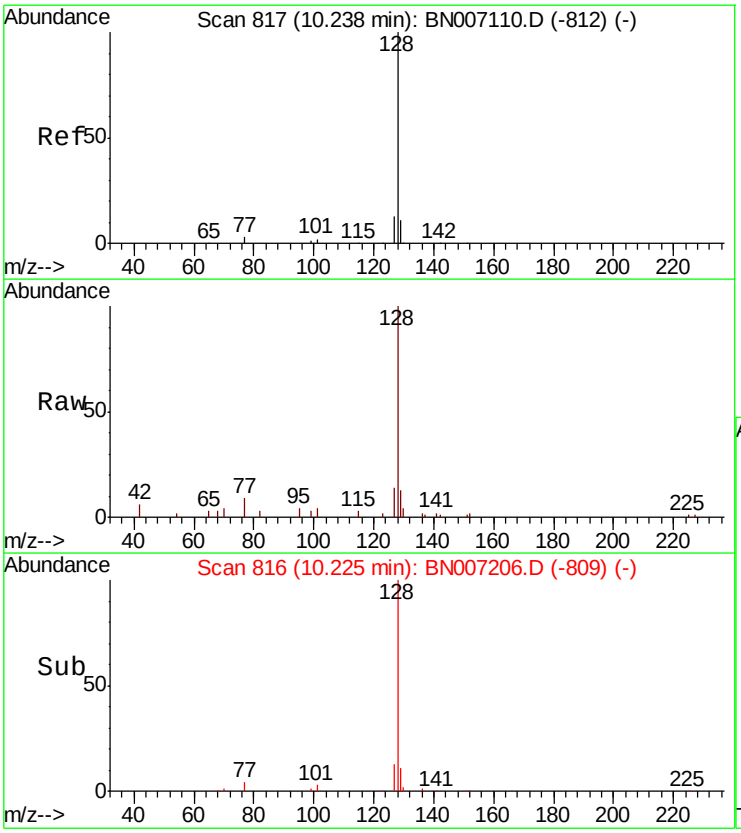
#7
Nitrobenzene-d5
Concen: 0.040 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 960

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	51.8
54	55.1	36.2	54.4#

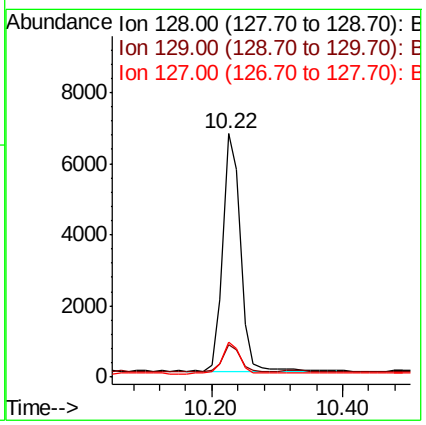


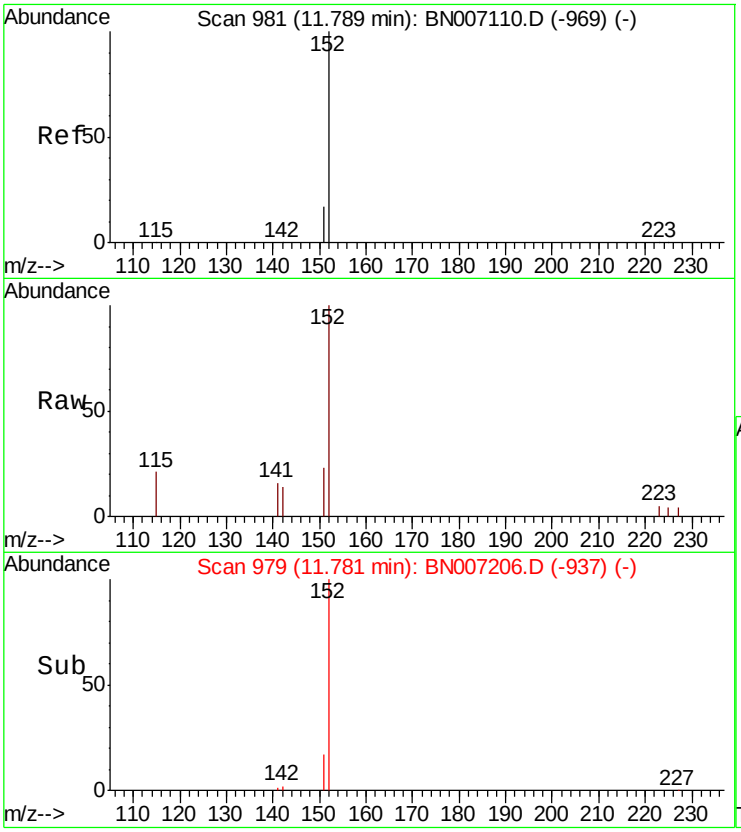


#8
Naphthalene
Concen: 0.149 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:128 Resp: 12545

Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.4	14.2
127	14.5	11.0	16.6



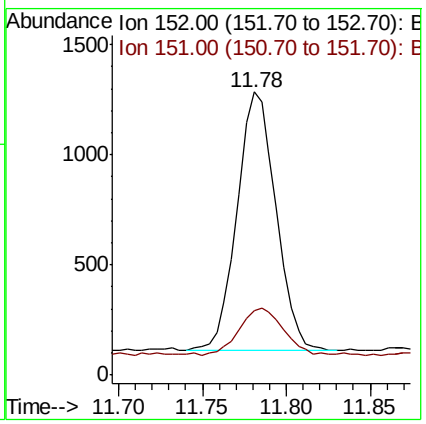


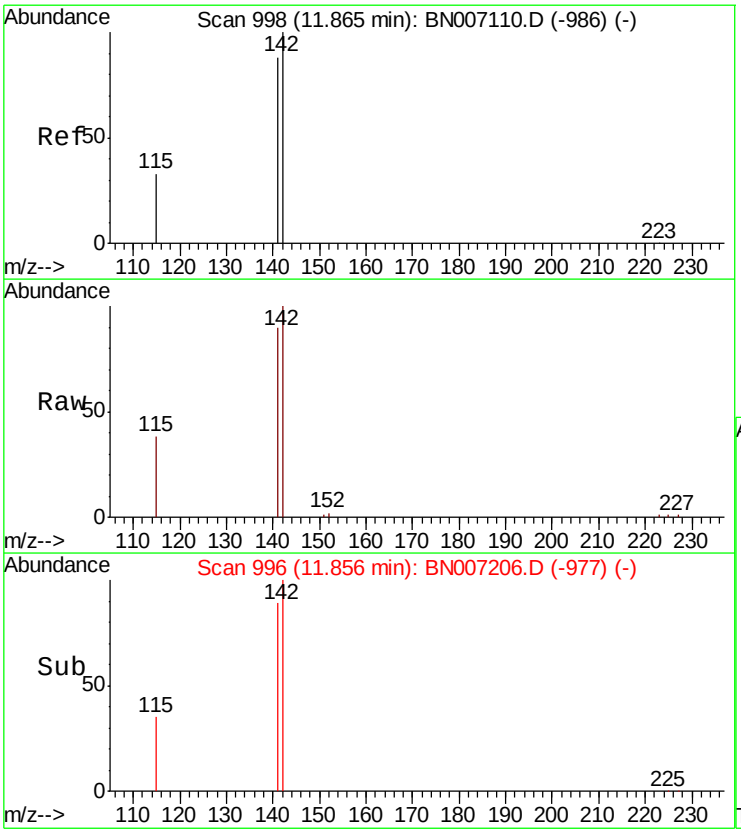
#10
2-Methylnaphthalene-d10
Concen: 0.034 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1899

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.5	23.3

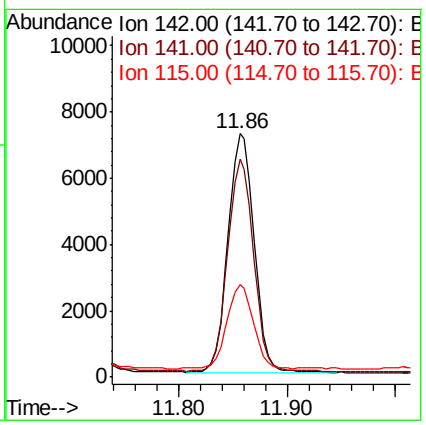


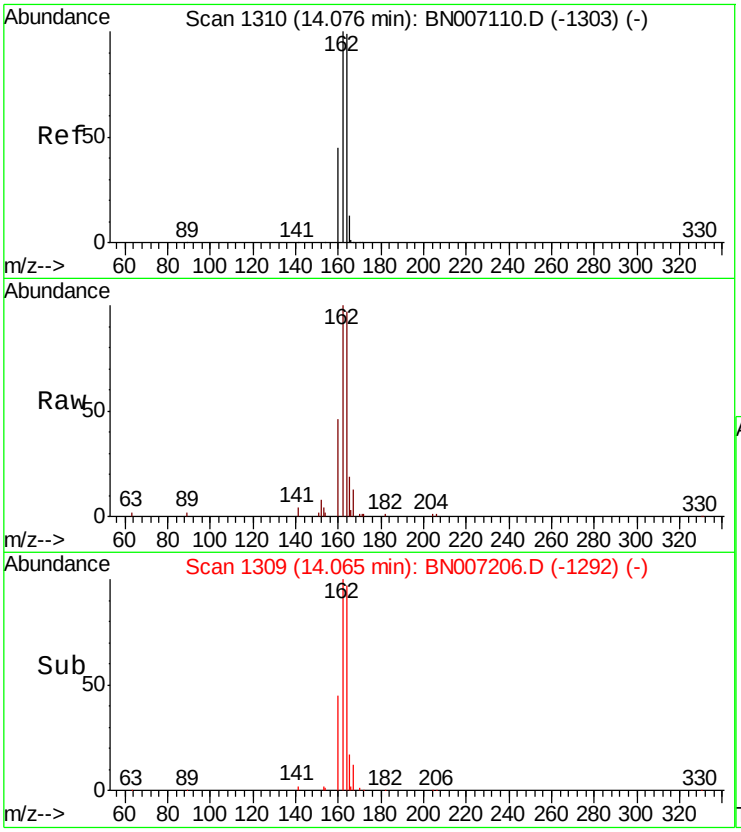


#11
2-Methylnaphthalene
Concen: 0.202 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:142 Resp: 12083

Ion	Ratio	Lower	Upper
142	100		
141	89.5	69.0	103.6
115	37.9	27.1	40.7



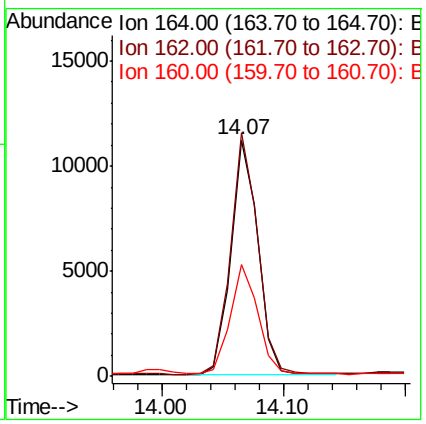


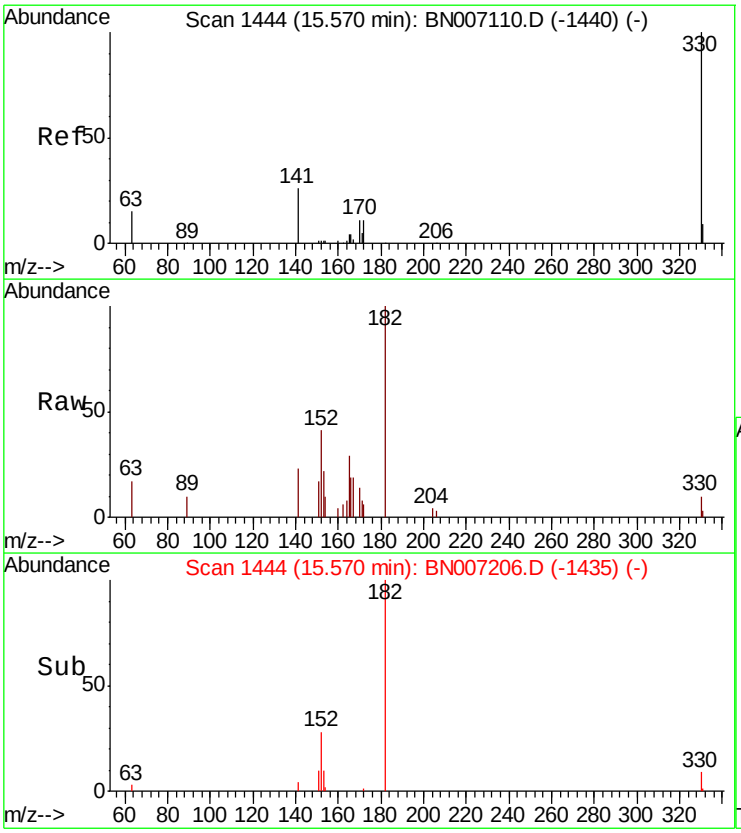
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 17159

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	47.6	38.3	57.5

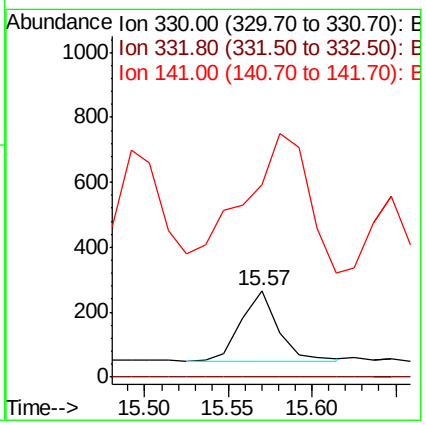


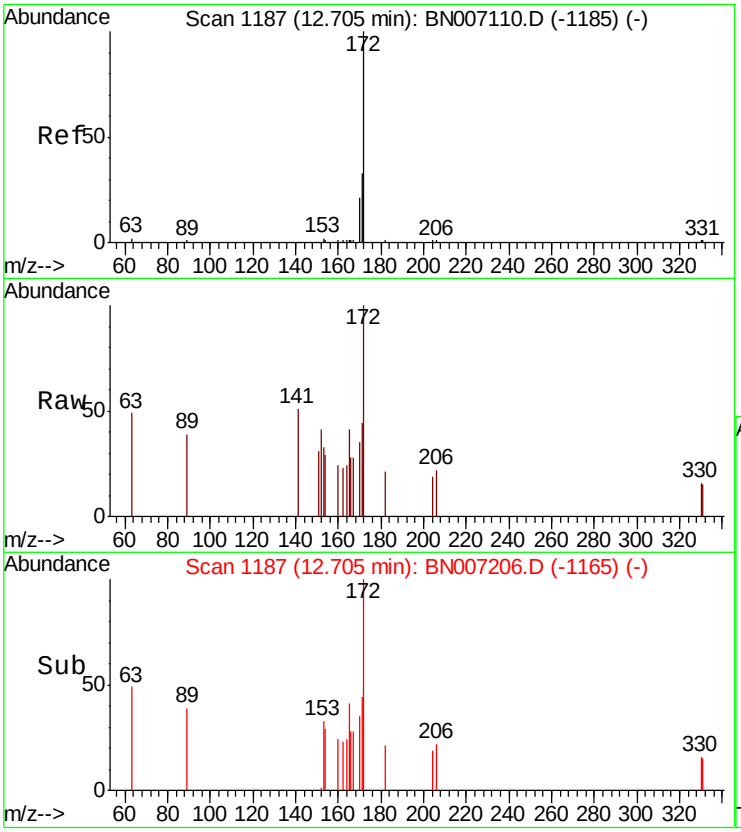


#13
2,4,6-Tribromophenol
Concen: 0.036 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:330 Resp: 330

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	348.2	33.6	50.4#



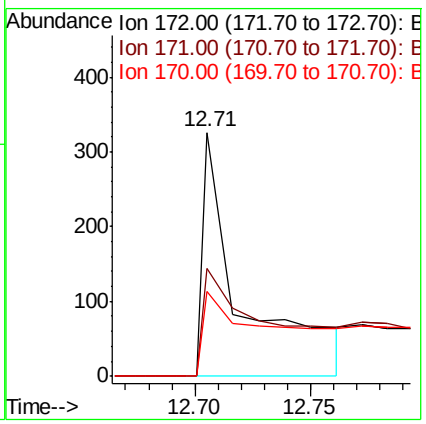


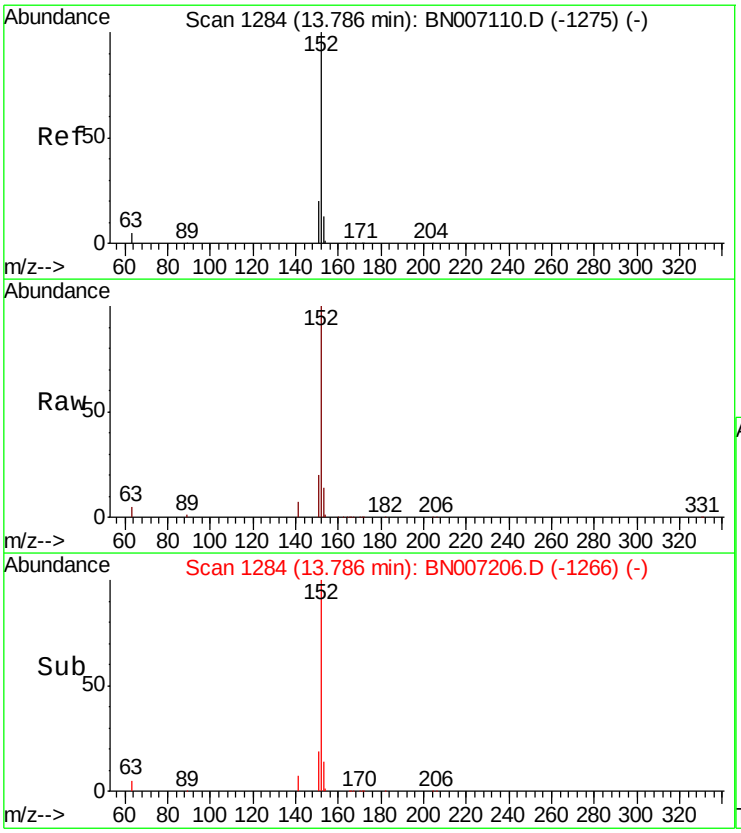
#14
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 380

Ion	Ratio	Lower	Upper
172	100		
171	44.2	26.3	39.5#
170	35.0	17.0	25.4#

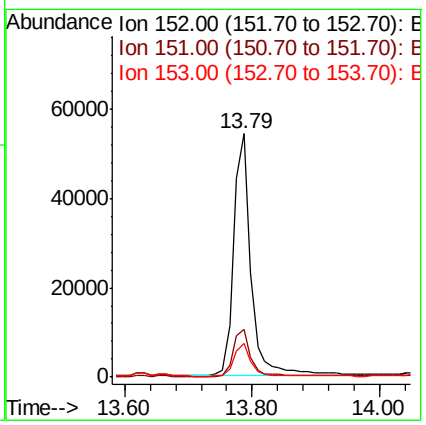


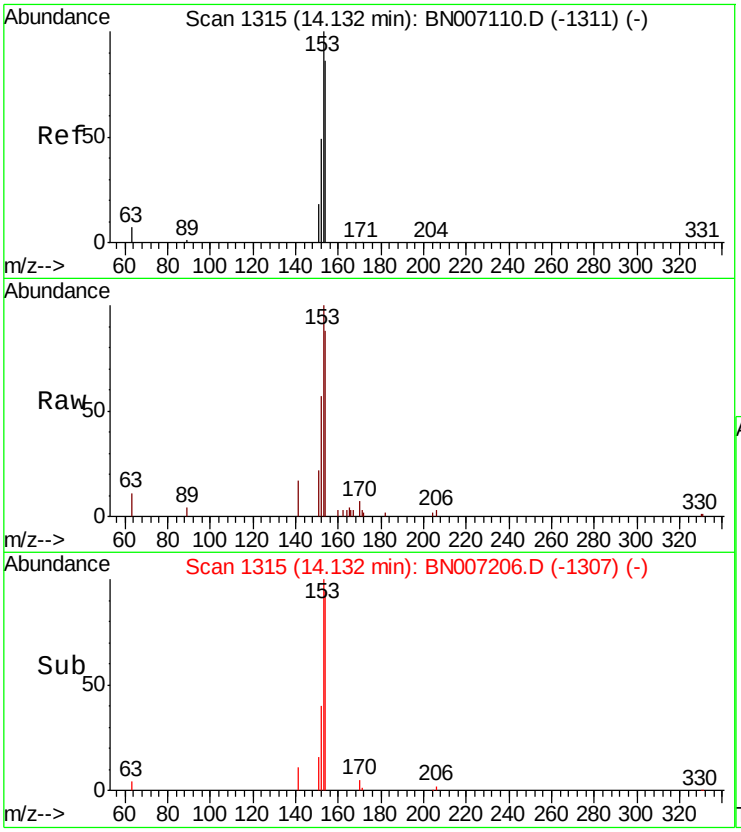


#15
Acenaphthylene
Concen: 1.144 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:152 Resp: 102561

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.4	10.4	15.6



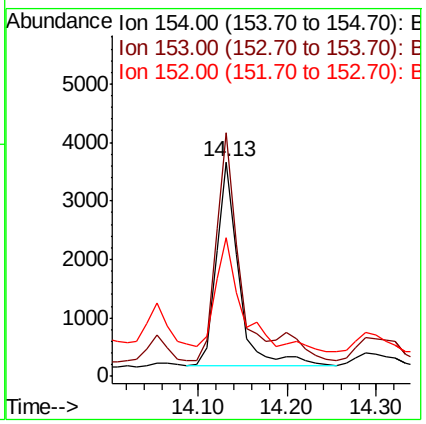


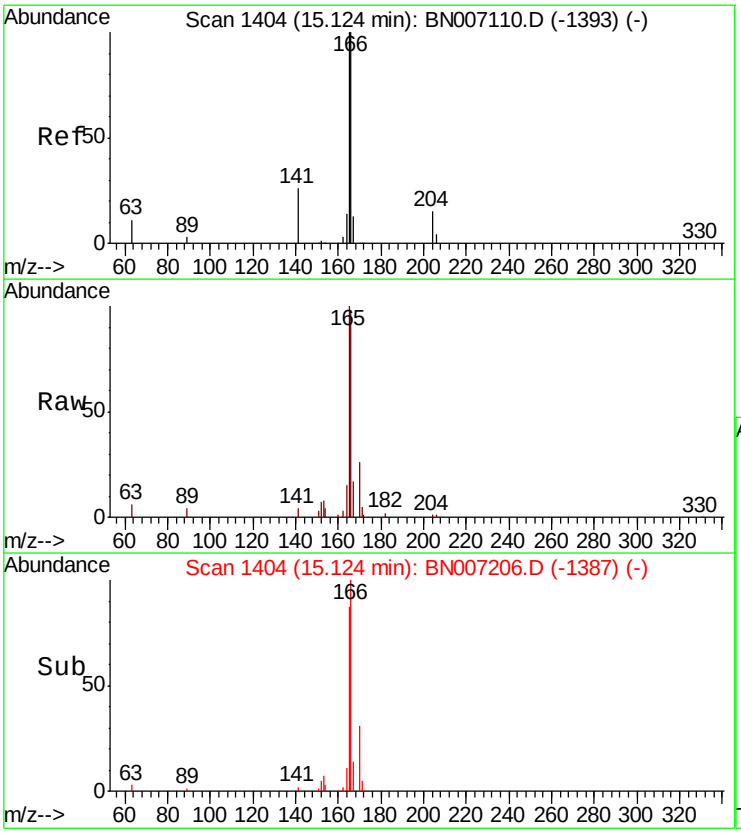
#16
Acenaphthene
Concen: 0.105 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 6011

Ion	Ratio	Lower	Upper
154	100		
153	109.2	89.5	134.3
152	69.0	44.8	67.2#

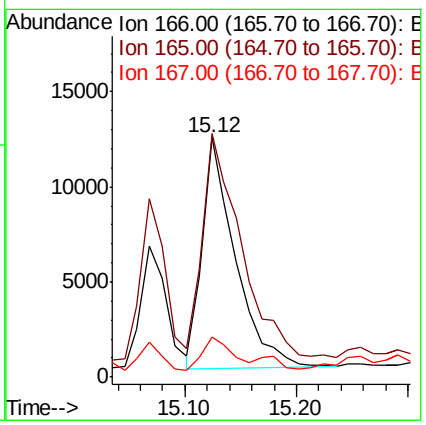


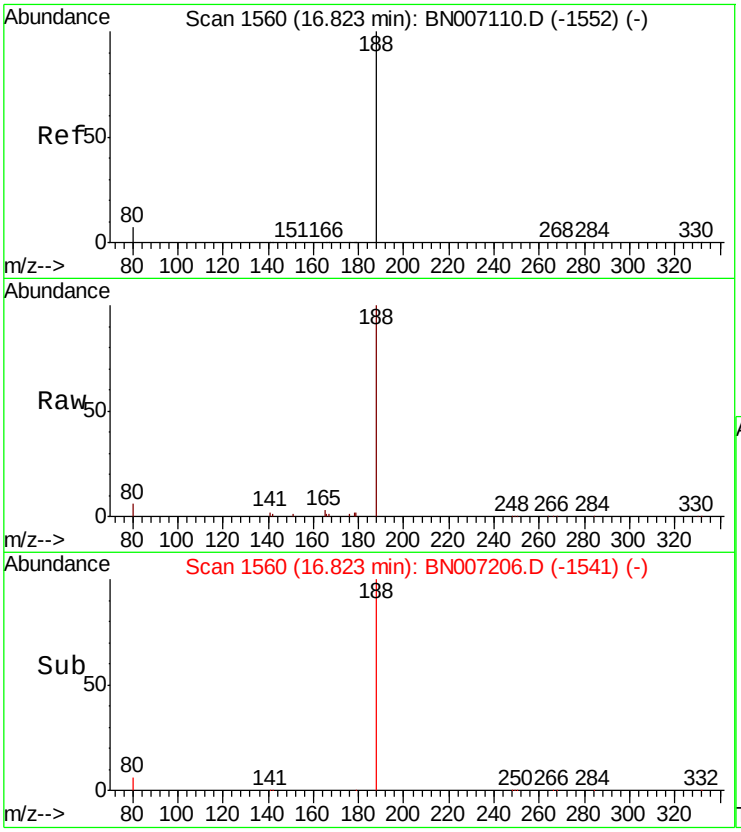


#17
Fluorene
Concen: 0.291 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:166 Resp: 25021

Ion	Ratio	Lower	Upper
166	100		
165	113.6	77.9	116.9
167	13.3	10.9	16.3



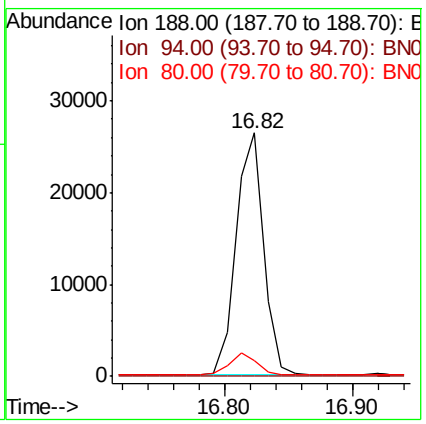


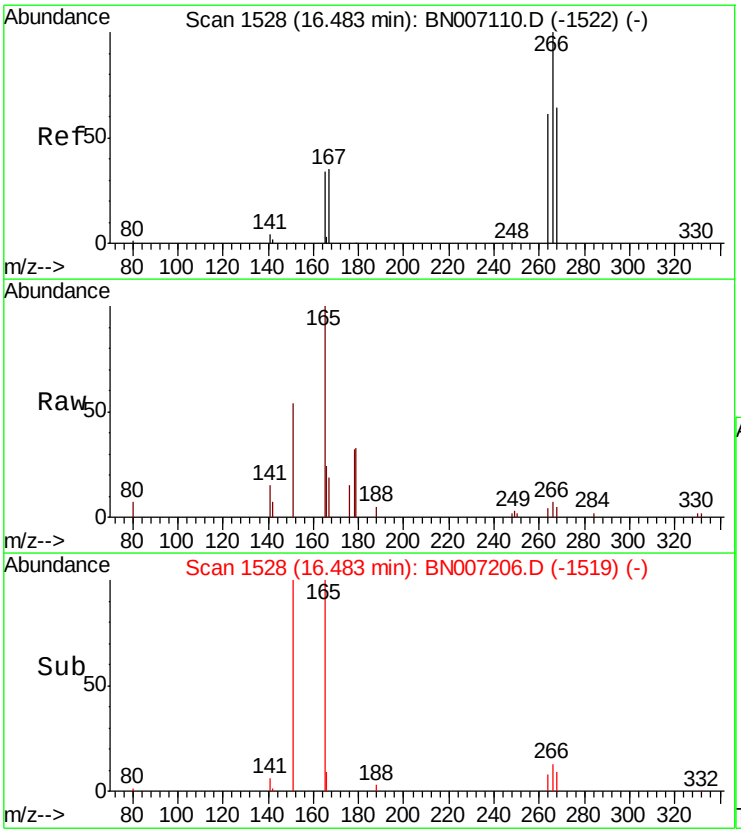
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 39693

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	7.8	11.6#

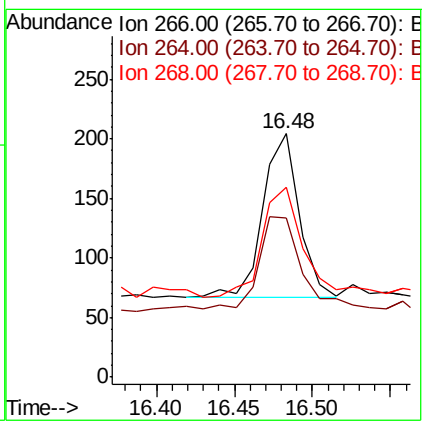


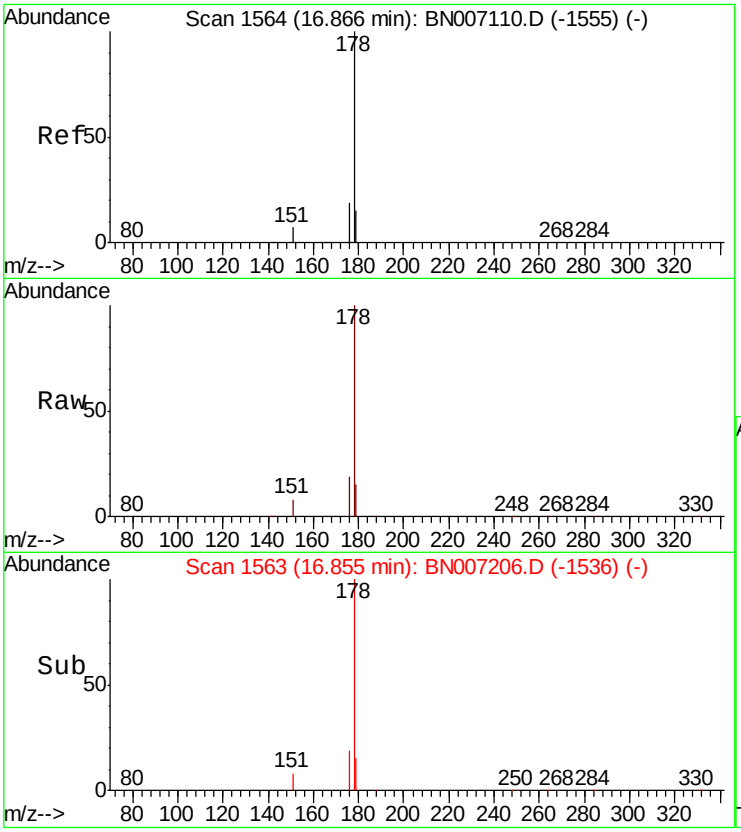


#21
Pentachlorophenol
Concen: 0.025 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:266 Resp: 221

Ion	Ratio	Lower	Upper
266	100		
264	65.7	52.3	78.5
268	77.9	51.5	77.3#



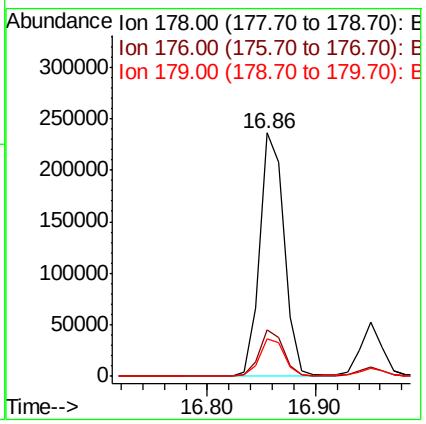


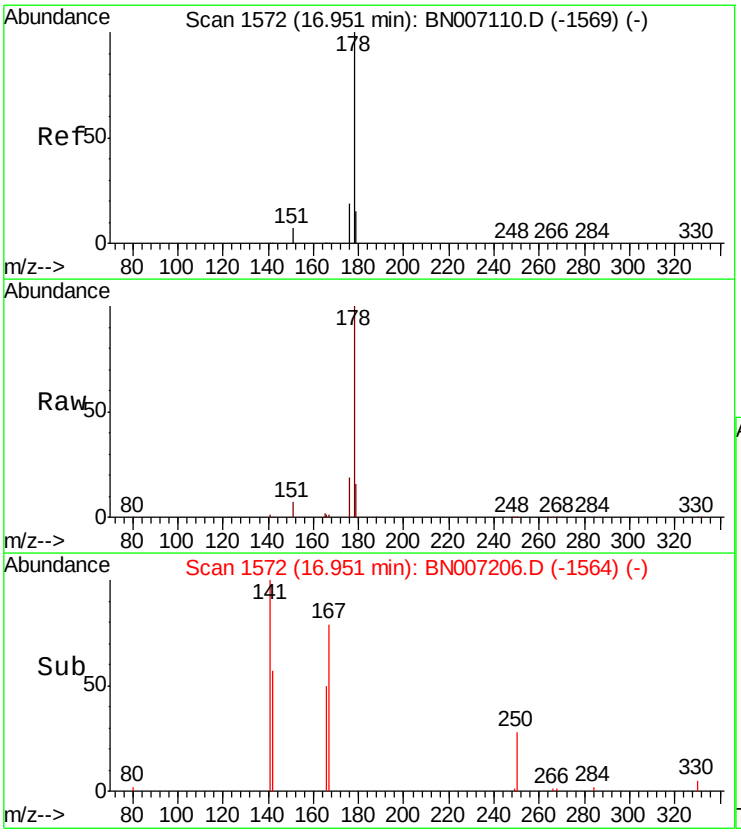
#22
Phenanthrene
Concen: 3.110 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 369921

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.6	12.3	18.5

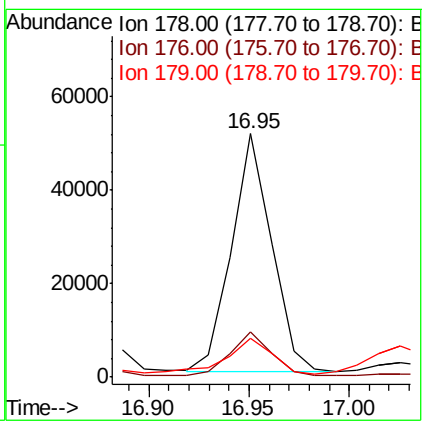


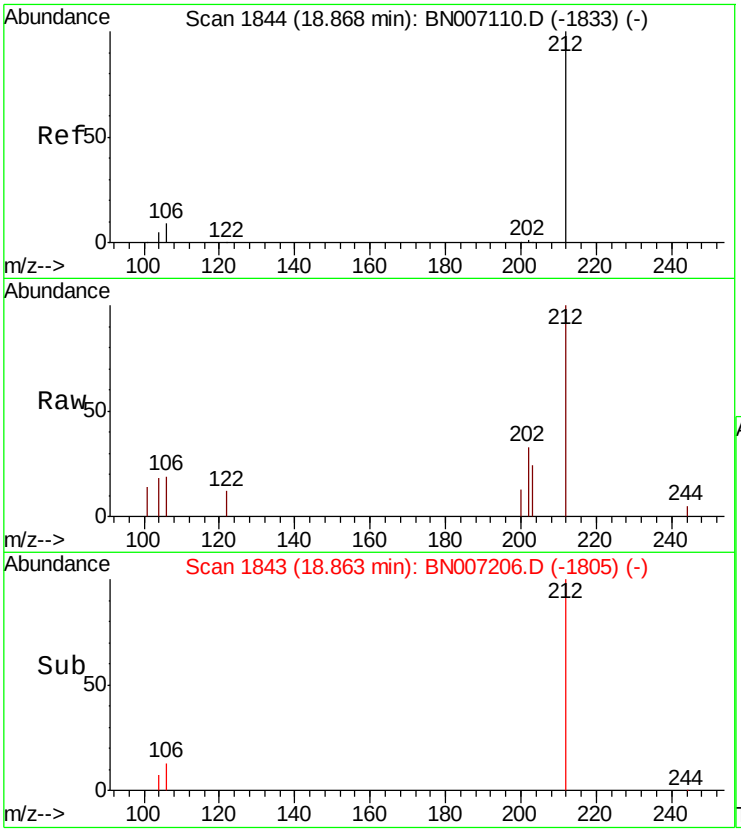


#23
Anthracene
Concen: 0.649 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:178 Resp: 70573

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.8	12.5	18.7



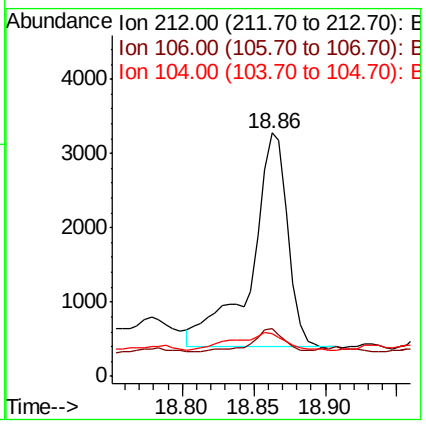


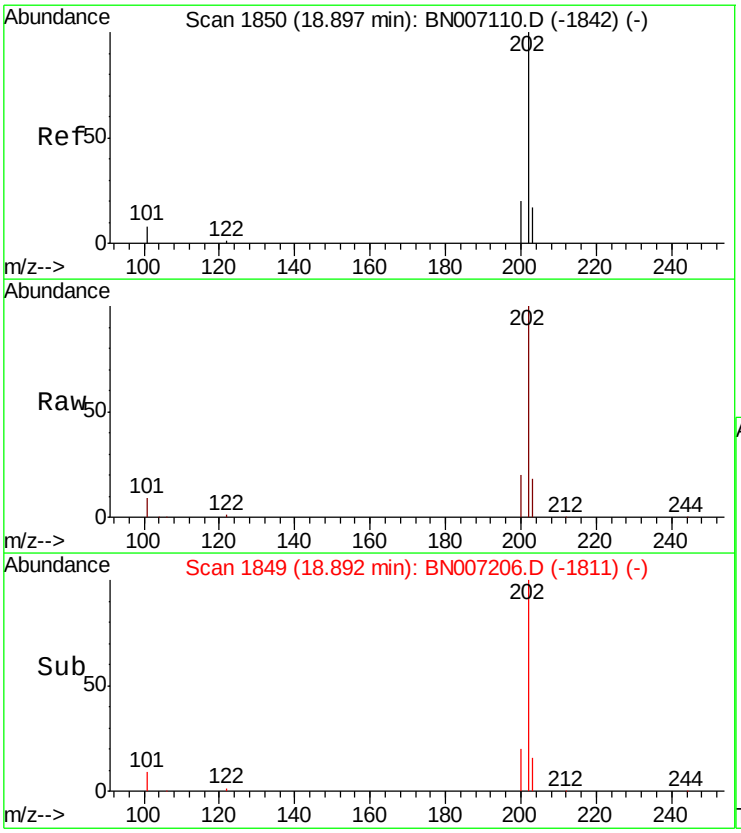
#24
Fluoranthene-d10
Concen: 0.036 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 5070

Ion	Ratio	Lower	Upper
212	100		
106	9.3	8.2	12.2
104	11.4	4.5	6.7#

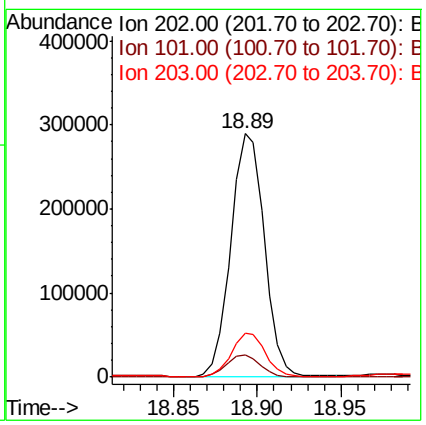


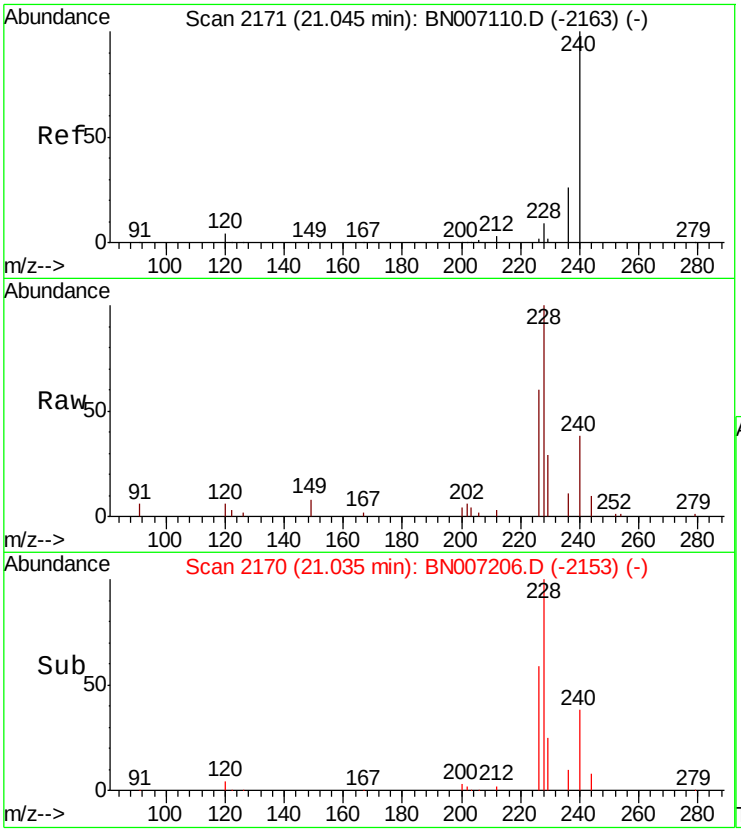


#25
Fluoranthene
Concen: 2.645 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:202 Resp: 402501

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8



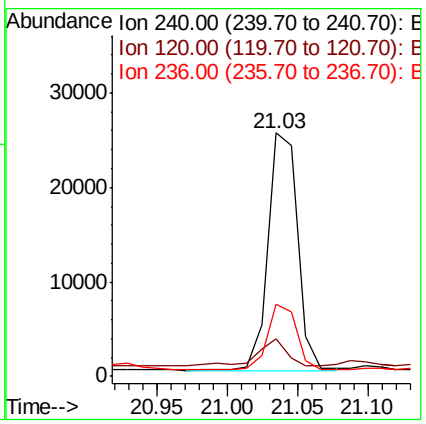


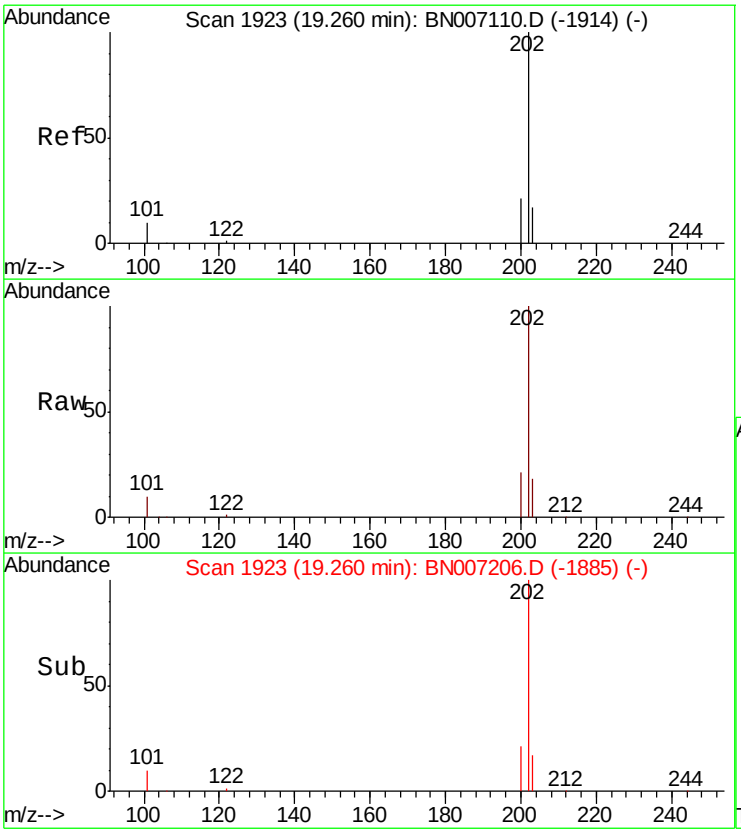
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 37291

Ion	Ratio	Lower	Upper
240	100		
120	15.4	4.0	6.0#
236	29.7	21.3	31.9

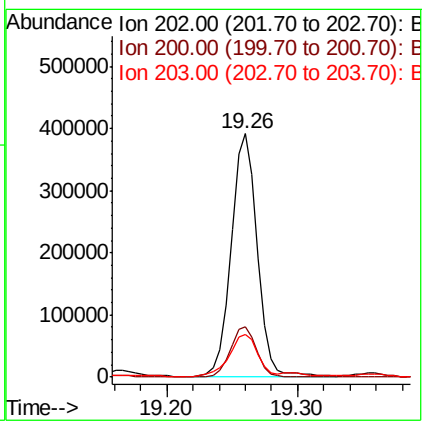


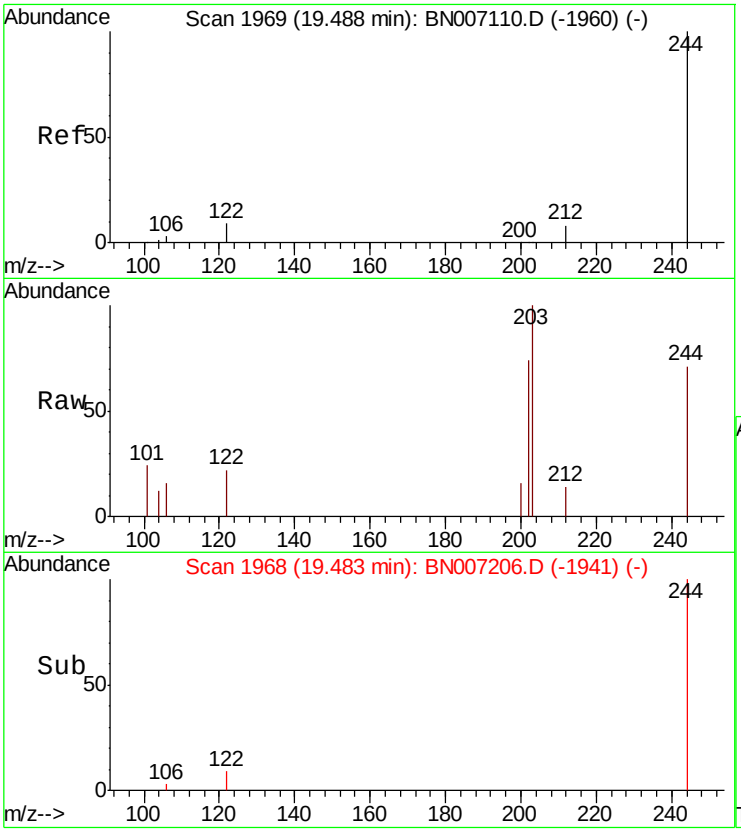


#27
Pyrene
Concen: 4.139 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:202 Resp: 541305

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	19.0	14.0	21.0



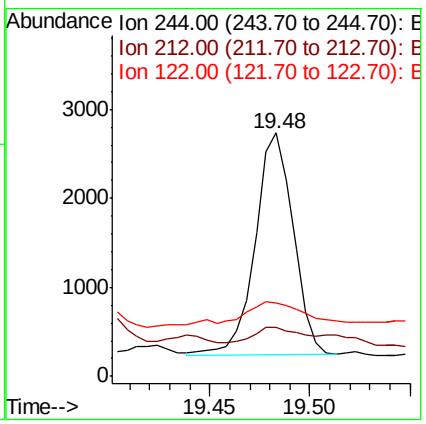


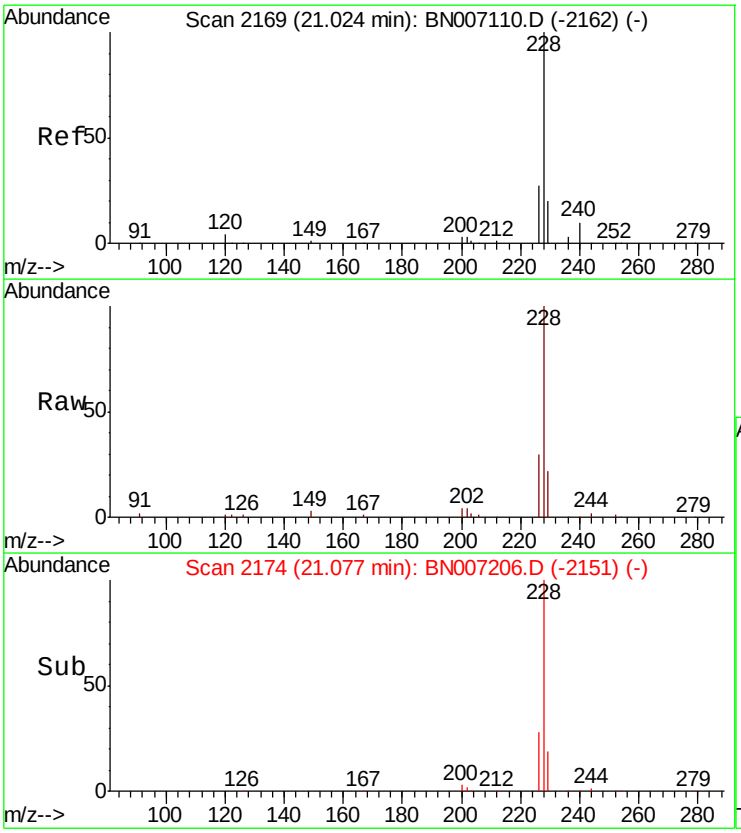
#28
Terphenyl-d14
Concen: 0.032 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 3289

Ion	Ratio	Lower	Upper
244	100		
212	20.3	6.2	9.2#
122	30.4	7.4	11.2#

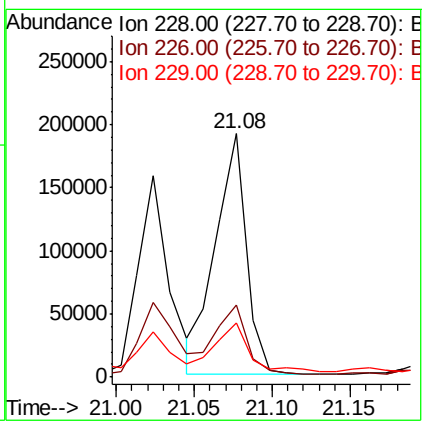


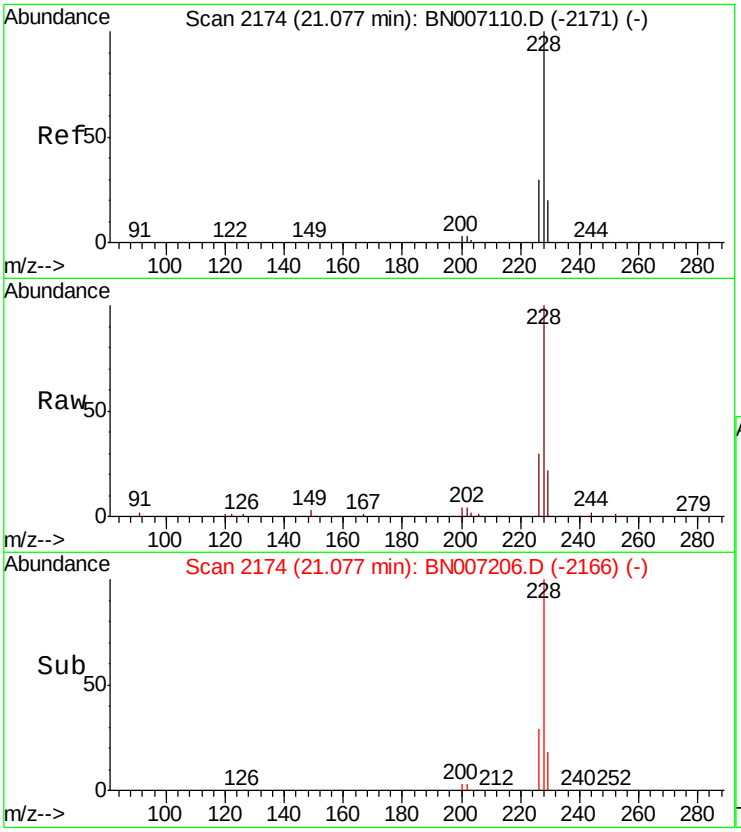


#29
Benzo(a)anthracene
Concen: 1.938 ng
RT: 21.08 min Scan# 2174
Delta R.T. 0.04 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:228 Resp: 264233

Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.8	32.6
229	22.4	15.6	23.4



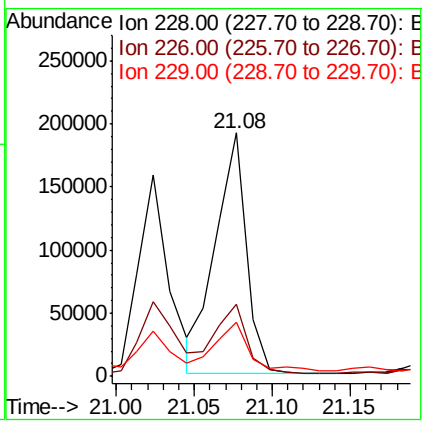


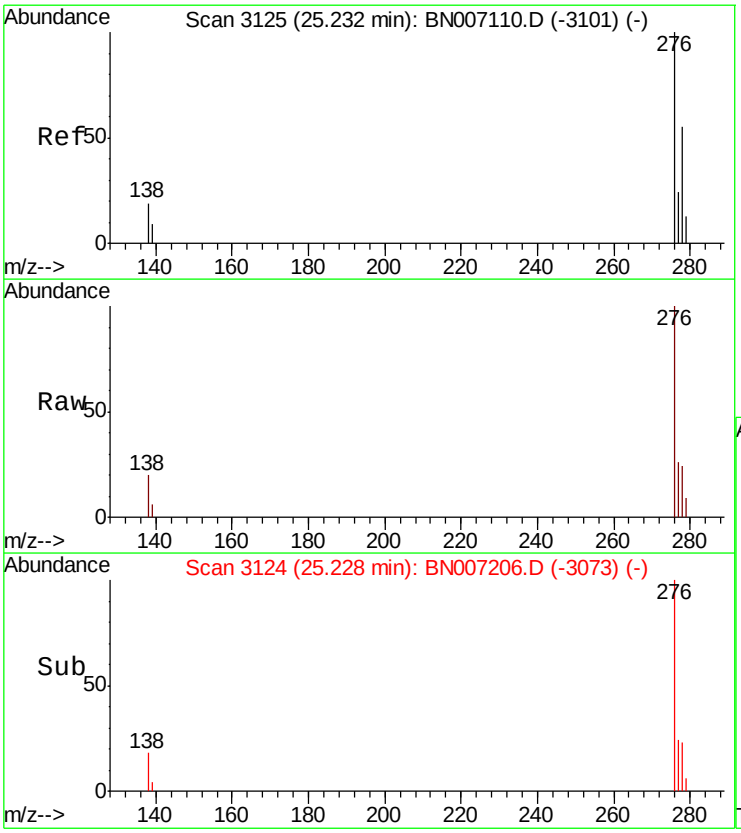
#30
Chrysene
Concen: 1.993 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 264121

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	22.4	15.7	23.5

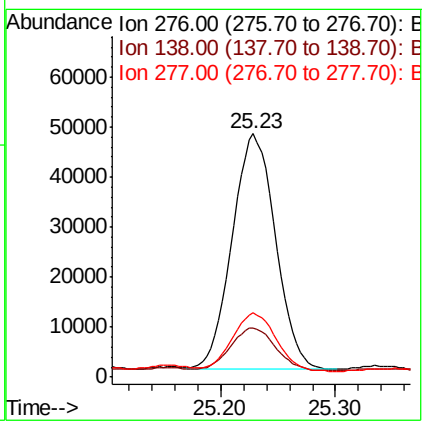


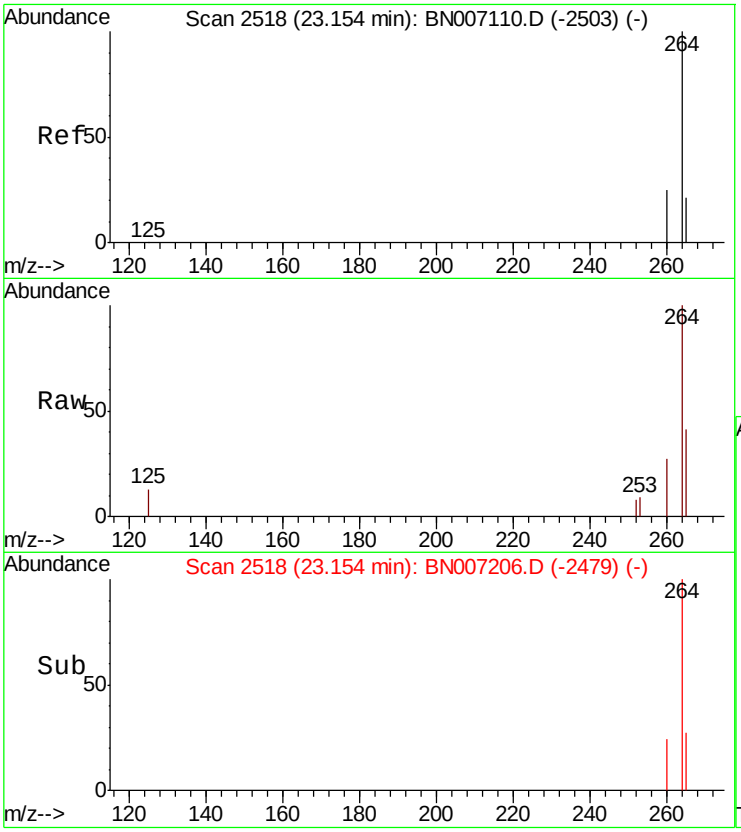


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.846 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:276 Resp: 123521

Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.0	24.0
277	25.1	19.9	29.9



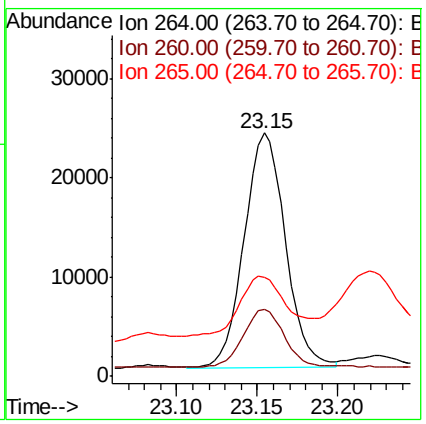


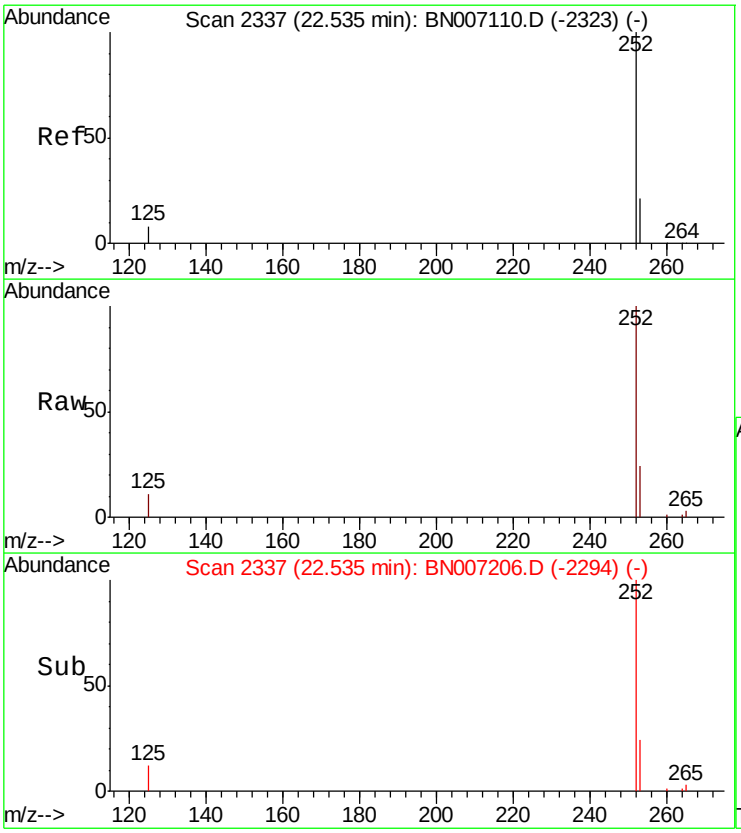
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 42099

Ion	Ratio	Lower	Upper
264	100		
260	27.4	19.8	29.8
265	40.9	26.2	39.4#

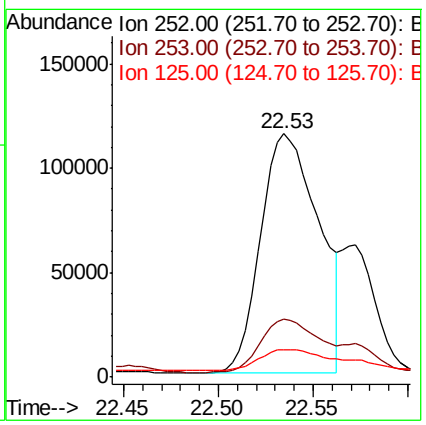


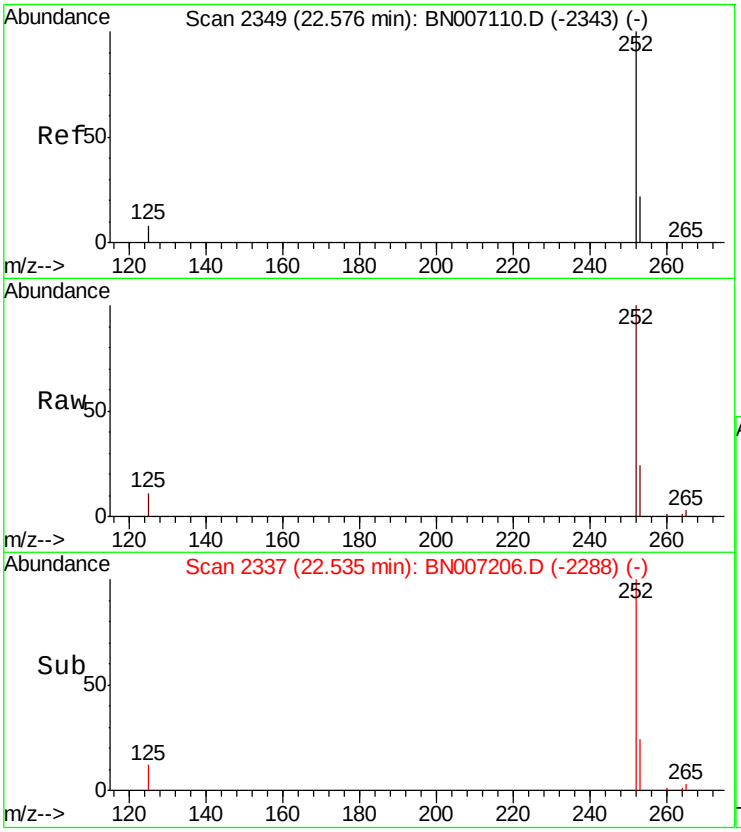


#33
Benzo(b)fluoranthene
Concen: 1.697 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:252 Resp: 245026

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	11.3	7.4	11.0#



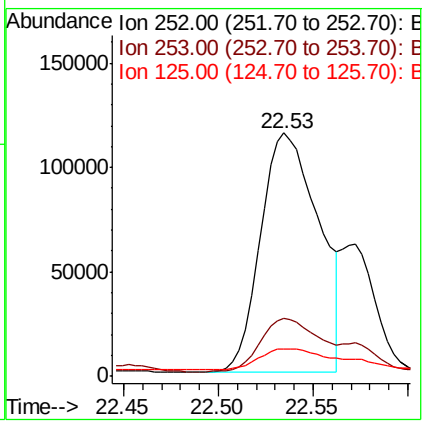


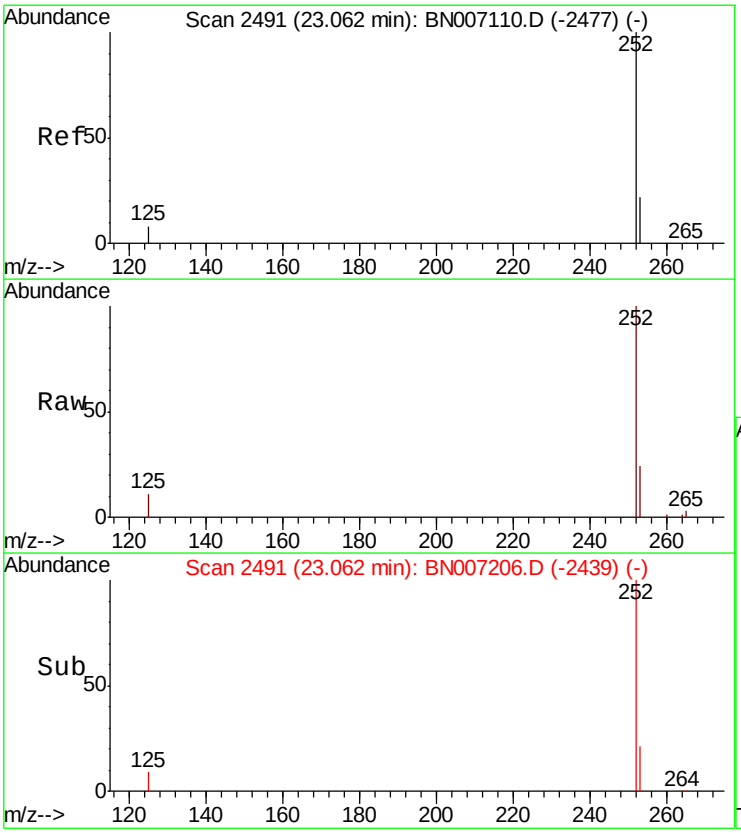
#34
Benzo(k)fluoranthene
Concen: 1.719 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.05 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 245026

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	11.3	7.4	11.0#

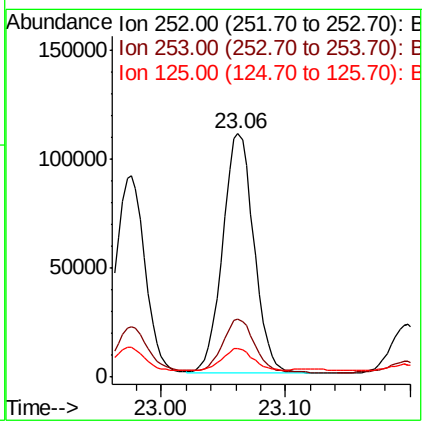


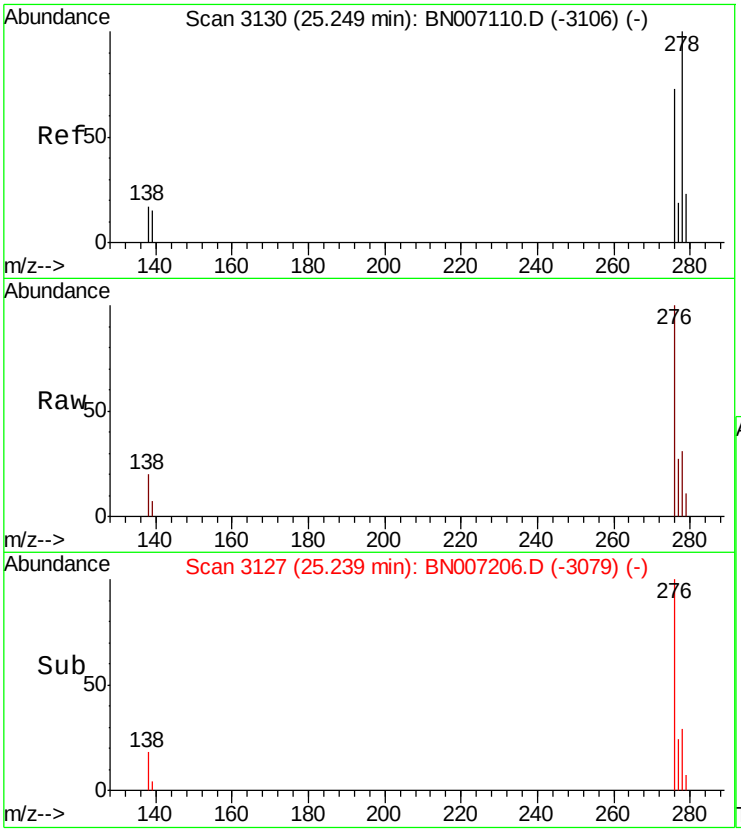


#35
Benzo(a)pyrene
Concen: 1.464 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:252 Resp: 191622

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	11.5	8.2	12.4



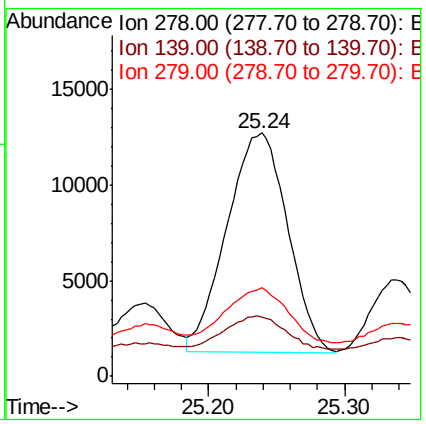


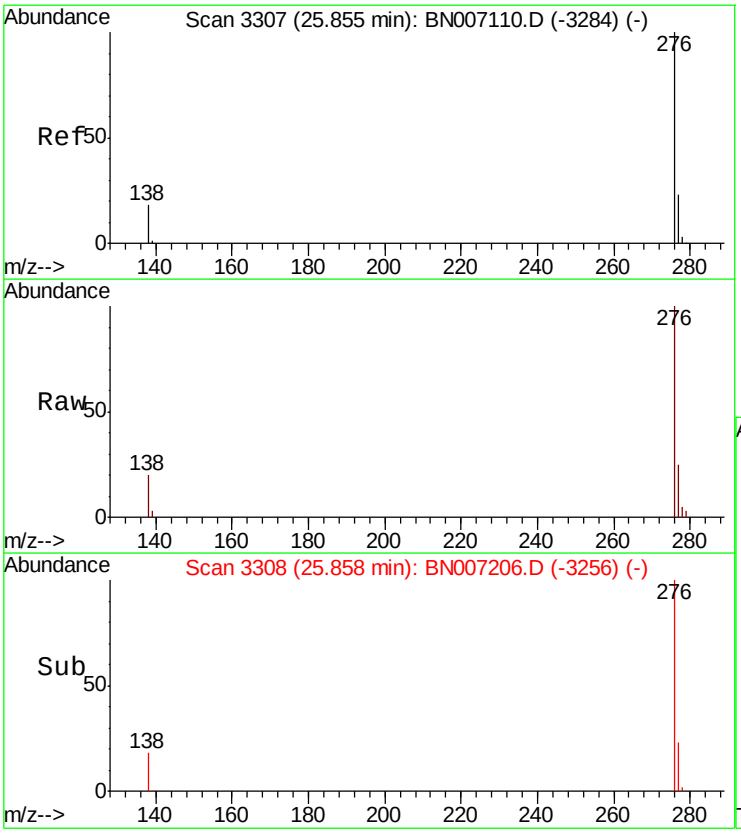
#36
Dibenzo(a,h)anthracene
Concen: 0.273 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 35590

Ion	Ratio	Lower	Upper
278	100		
139	24.4	11.3	16.9#
279	36.3	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.081 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion:276 Resp: 145212

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.8	29.8
138	20.2	14.6	22.0