Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081419\

Quantitation Report (QT Reviewed)

Data File : BN007179.D
Acq On : 15 Aug 2019 00:42
Operator : HP/JU
Sample : K4240-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-035-B248-080619

Quant Time: Aug 15 11:46:22 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	8312	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	30406	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	16003	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	36030	0.40	ng		0.00
26) Chrysene-d12	21.03	240	35303	0.40	ng		-0.02
32) Perylene-d12	23.15	264	41453	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	8363	0.42	ng		0.00
4) Phenol-d6	6.61	99	10728	0.43	ng		0.00
7) Nitrobenzene-d5	8.55	82	8874	0.36	ng		-0.01
10) 2-Methylnaphthalene-d10	11.79	152	17279	0.30	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2671	0.31	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	2470	0.11	ng		0.00
24) Fluoranthene-d10	18.86	212	32125	0.25	ng		0.00
28) Terphenyl-d14	19.48	244	23282	0.24	ng		-0.01
Target Compounds							Qvalue
15) Acenaphthylene	13.79	152	9019	0.108	ng		98
22) Phenanthrene	16.87	178	8428	0.078	ng		97
23) Anthracene	16.95	178	1980	0.020	ng	#	84
25) Fluoranthene	18.89	202	16280	0.118	ng		100
27) Pyrene	19.26	202	18456	0.149	ng	#	93
29) Benzo(a)anthracene	21.02	228	12541	0.097	ng	#	75
30) Chrysene	21.08	228	14120	0.113	ng	#	92
31) Indeno(1,2,3-cd)pyrene	25.23	276	7566	0.055	ng		98
33) Benzo(b)fluoranthene	22.53	252	17322	0.122	ng	#	80
34) Benzo(k)fluoranthene	22.57	252	6003m	0.043	ng		
35) Benzo(a)pyrene	23.06	252	11081	0.086	ng	#	75
37) Benzo(g,h,i)perylene	25.85	276	7728	0.058	ng	#	76

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

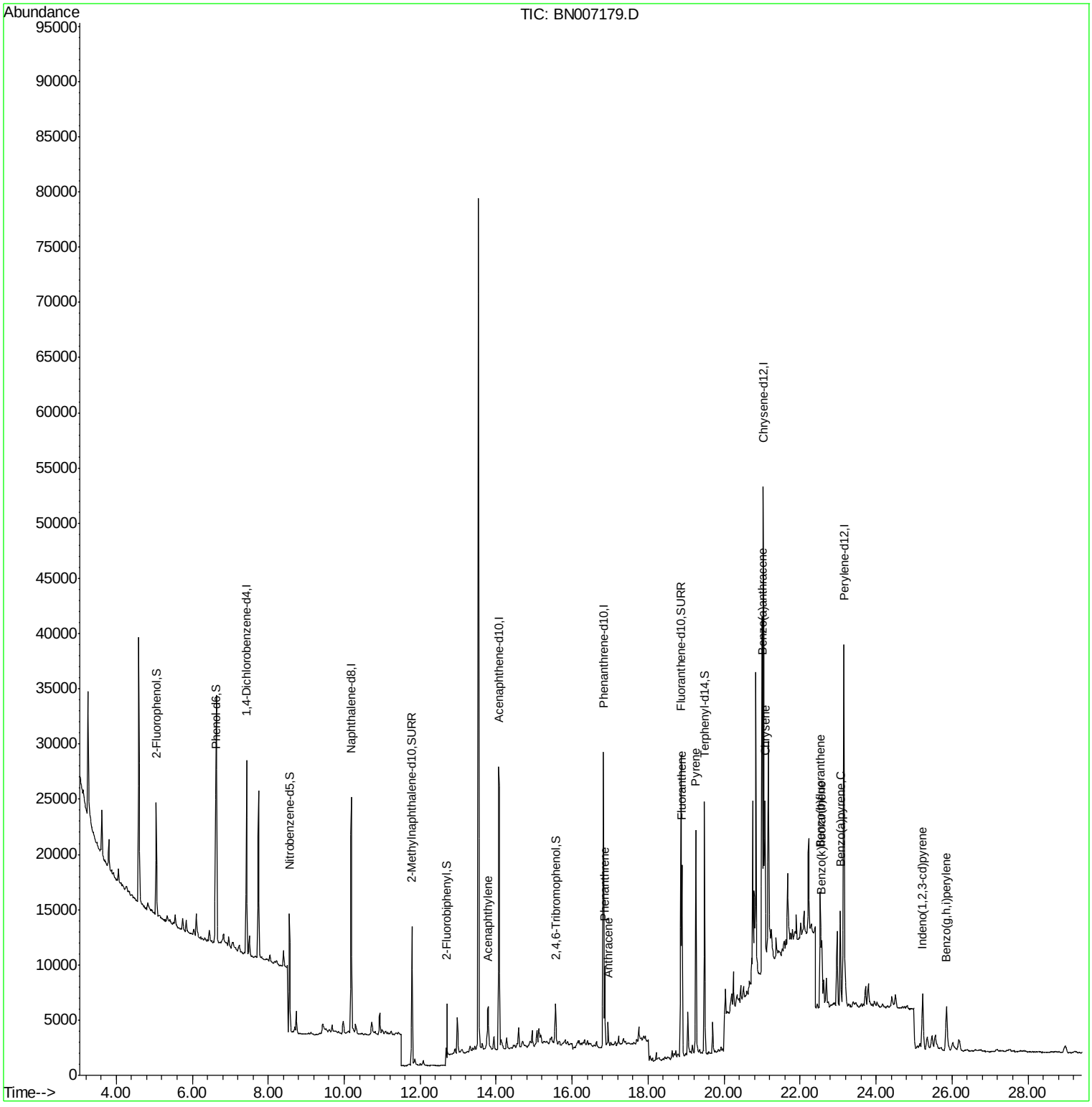
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081419\

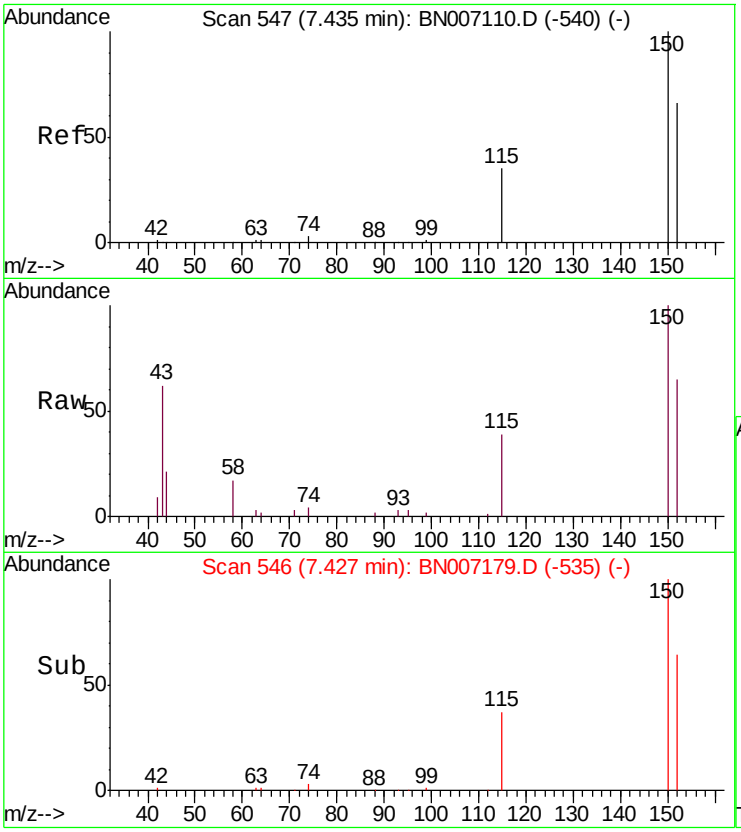
Quantitation Report (QT Reviewed)

Data File : BN007179.D
Acq On : 15 Aug 2019 00:42
Operator : HP/JU
Sample : K4240-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Quant Time: Aug 15 11:46:22 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



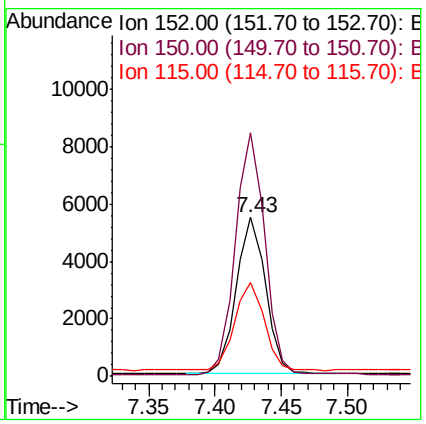


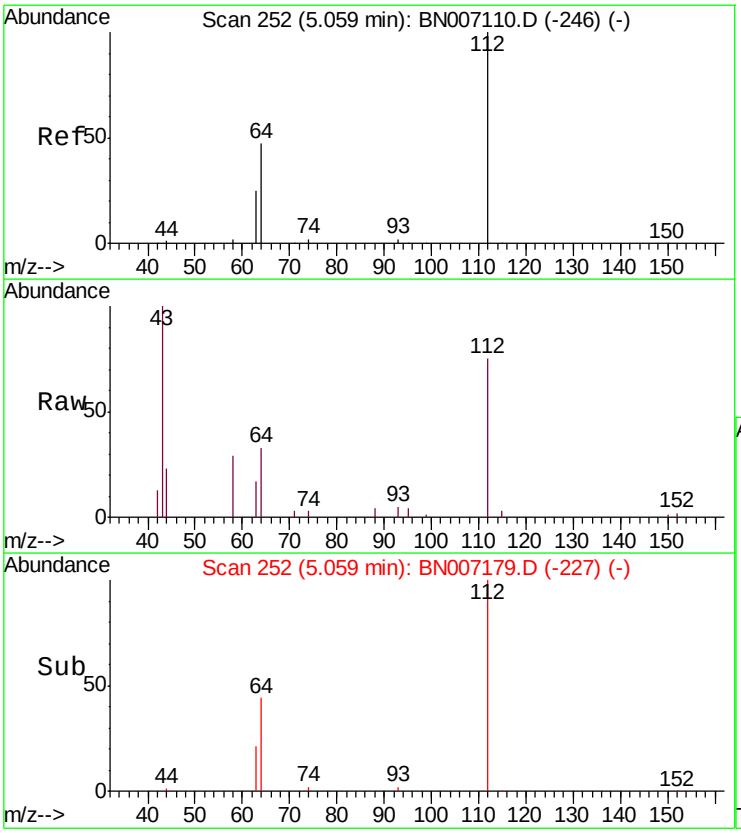
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:152 Resp: 8312

Ion	Ratio	Lower	Upper
152	100		
150	153.4	121.7	182.5
115	59.4	46.2	69.4

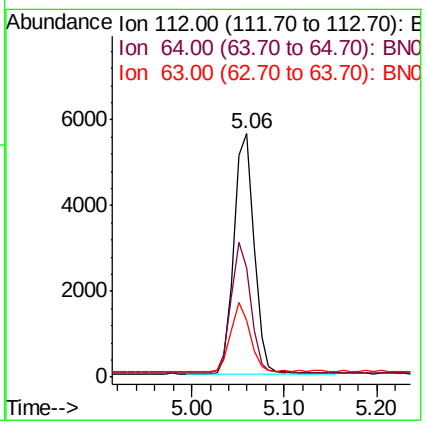


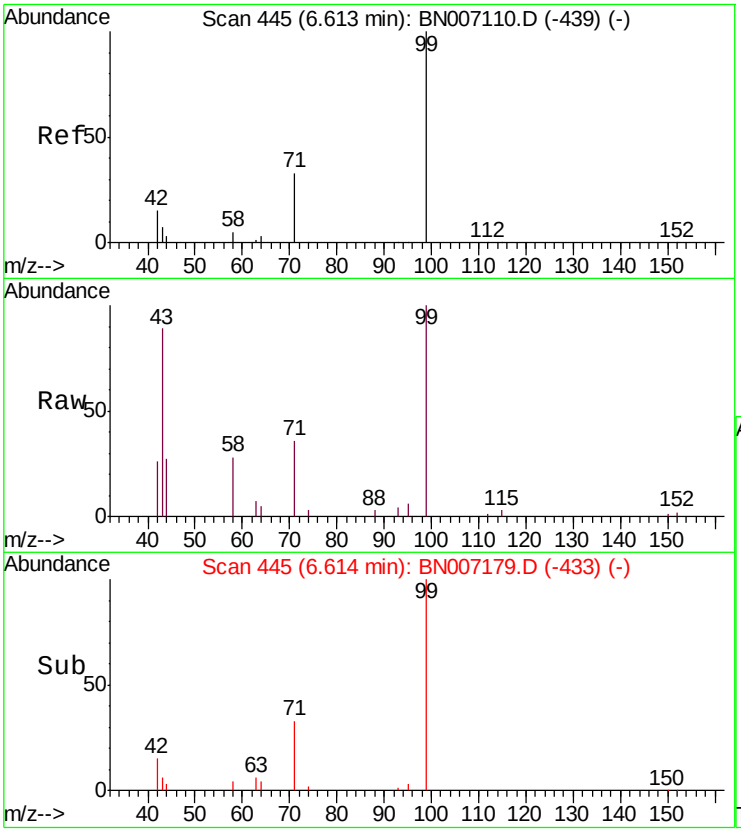


#3
2-Fluorophenol
Concen: 0.419 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:112 Resp: 8363

Ion	Ratio	Lower	Upper
112	100		
64	52.9	42.6	63.8
63	27.8	22.2	33.2



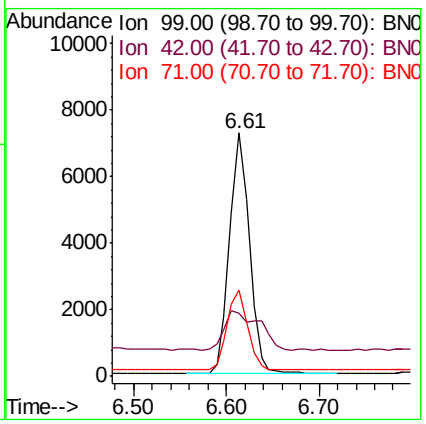


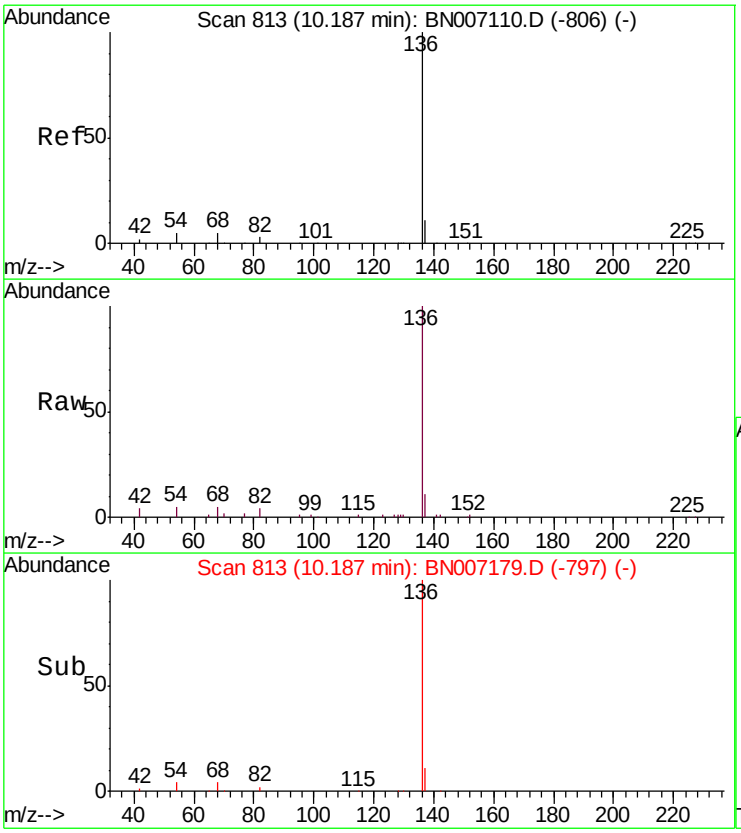
#4
Phenol-d6
Concen: 0.434 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion: 99 Resp: 10728

Ion	Ratio	Lower	Upper
99	100		
42	28.9	15.8	23.6#
71	34.2	27.0	40.4

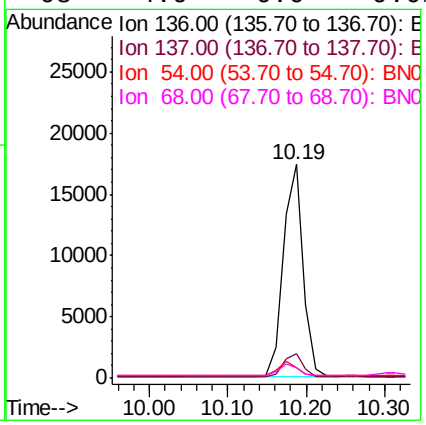


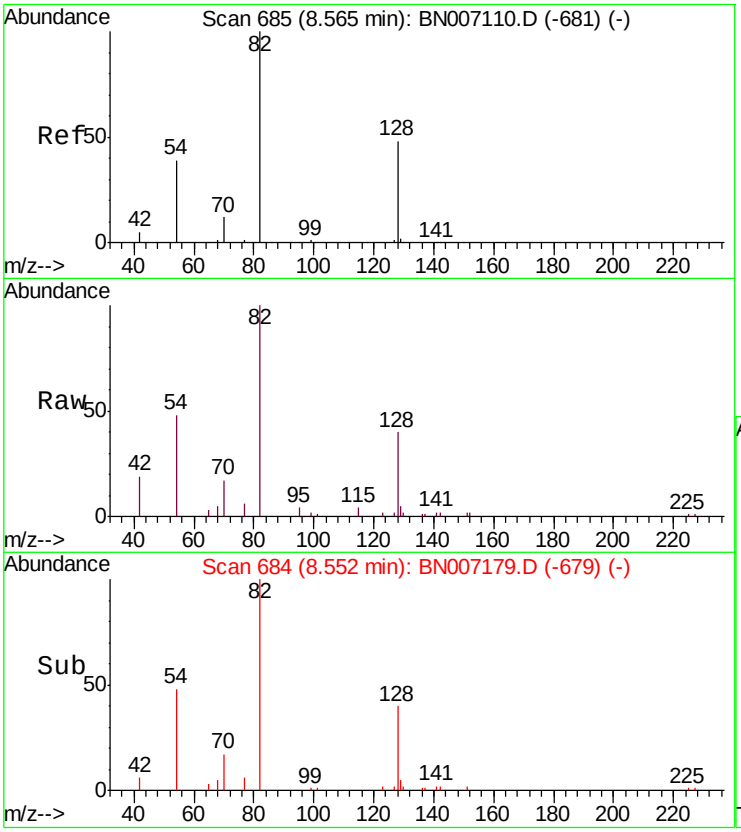


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:136 Resp: 30406

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	4.9	6.6	9.8#
68	4.9	6.0	9.0#



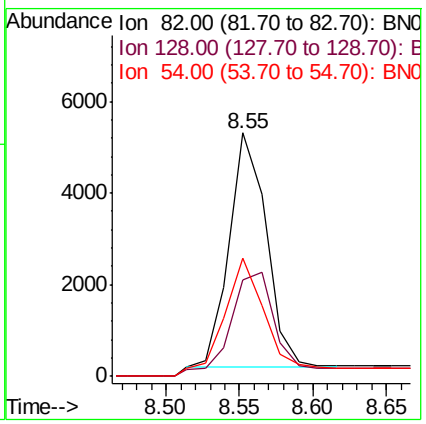


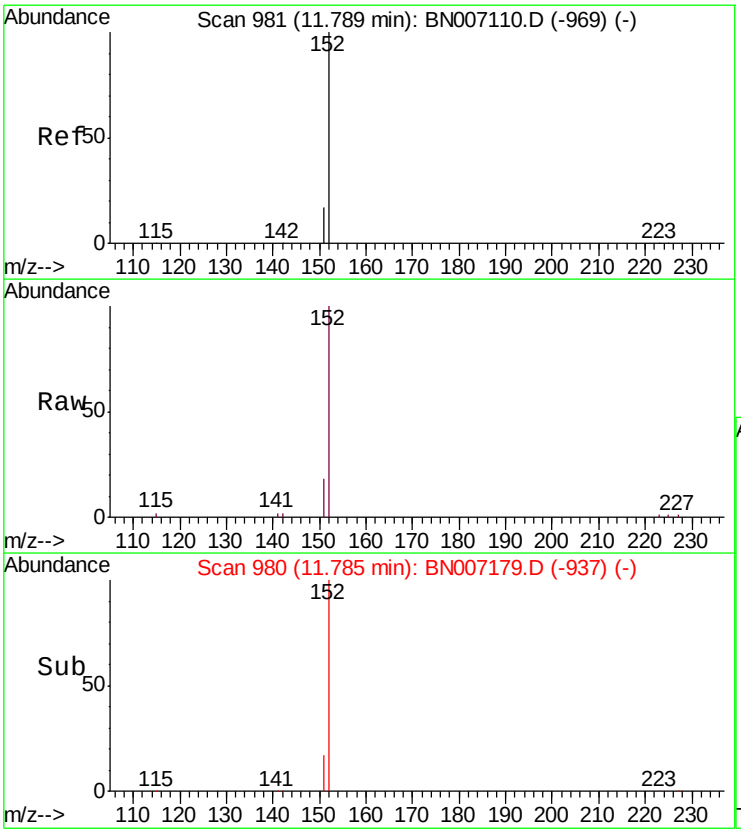
#7
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion: 82 Resp: 8874

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.6	51.8
54	48.4	36.2	54.4

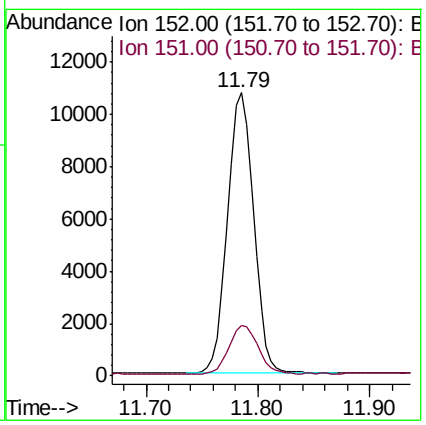


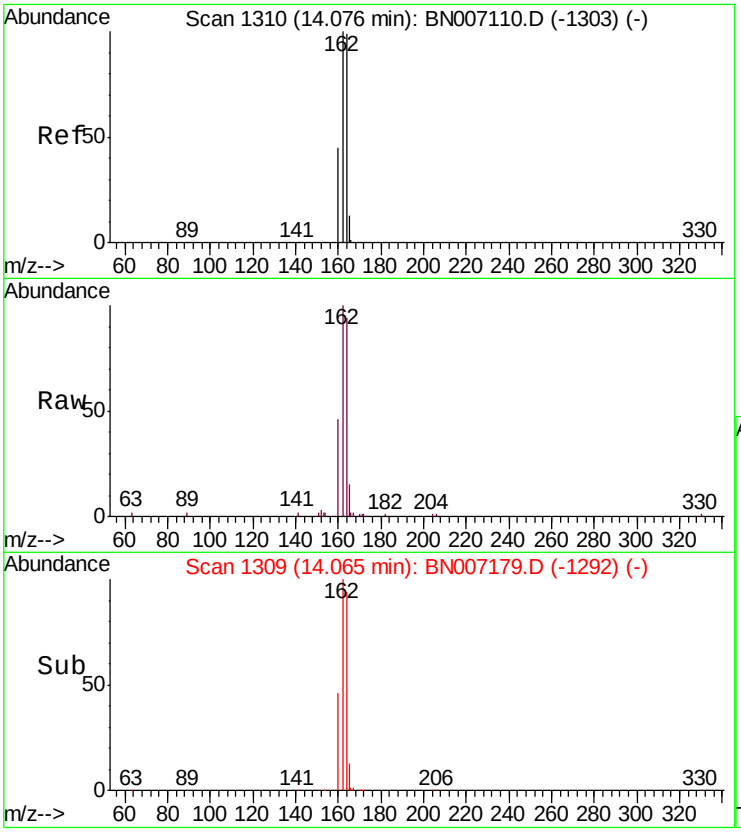


#10
2-Methylnaphthalene-d10
Concen: 0.305 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:152 Resp: 17279

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3



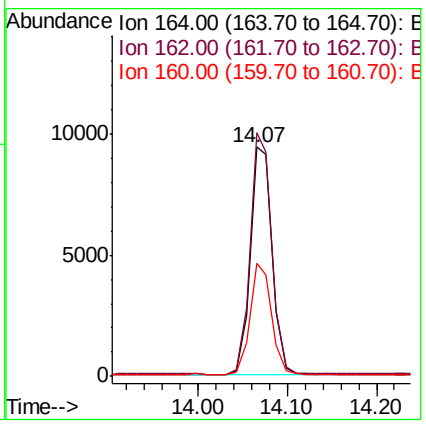


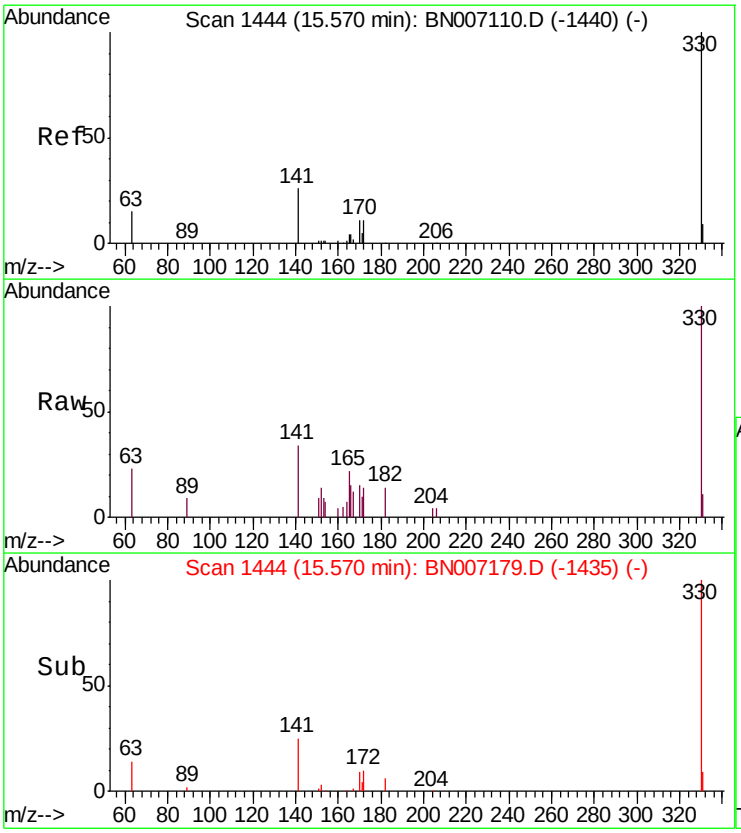
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:164 Resp: 16003

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.2	123.4
160	49.3	38.3	57.5

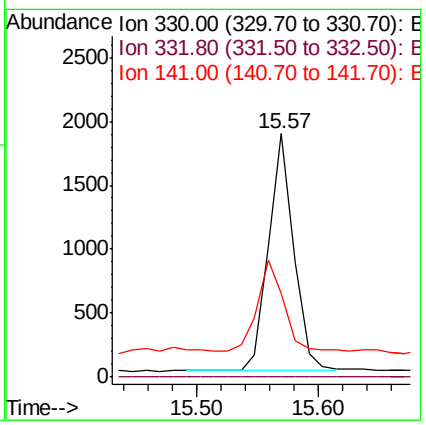


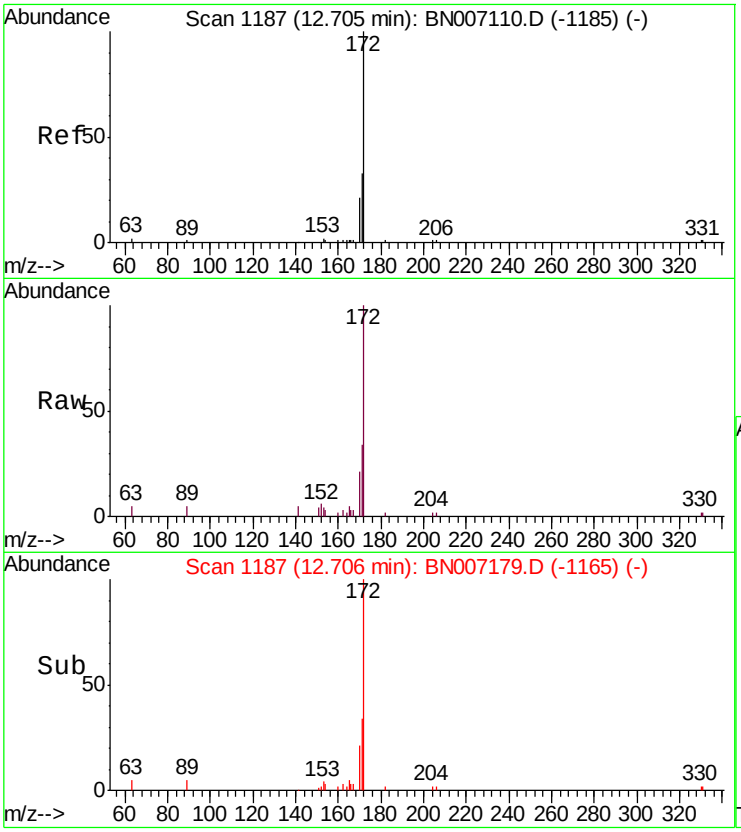


#13
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:330 Resp: 2671

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.8	33.6	50.4



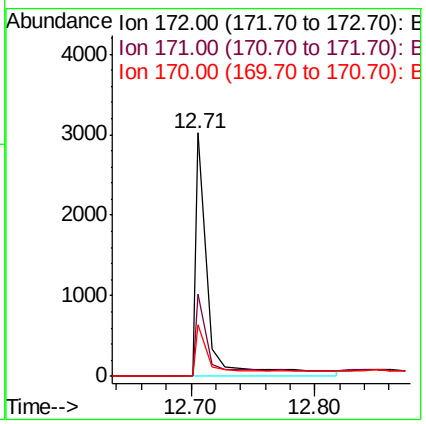


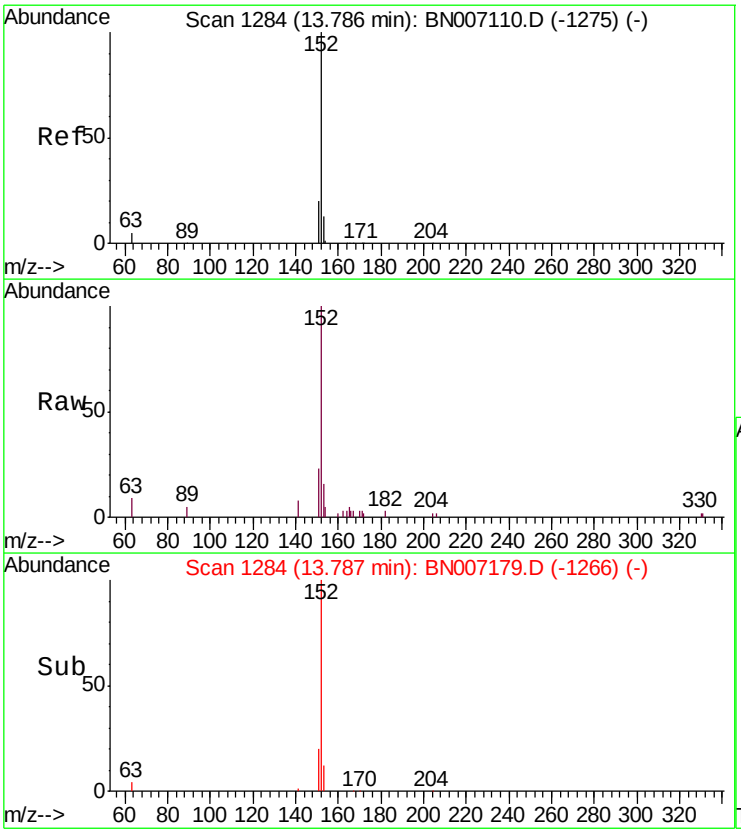
#14
2-Fluorobiphenyl
Concen: 0.106 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:172 Resp: 2470

Ion	Ratio	Lower	Upper
172	100		
171	34.0	26.3	39.5
170	21.2	17.0	25.4

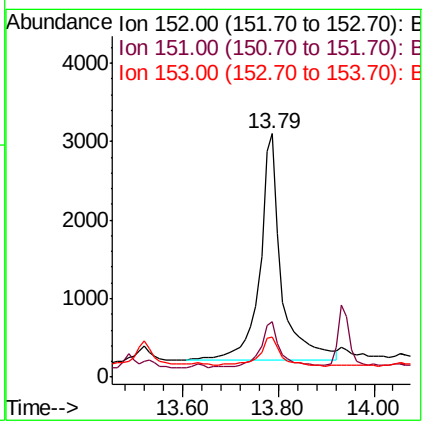


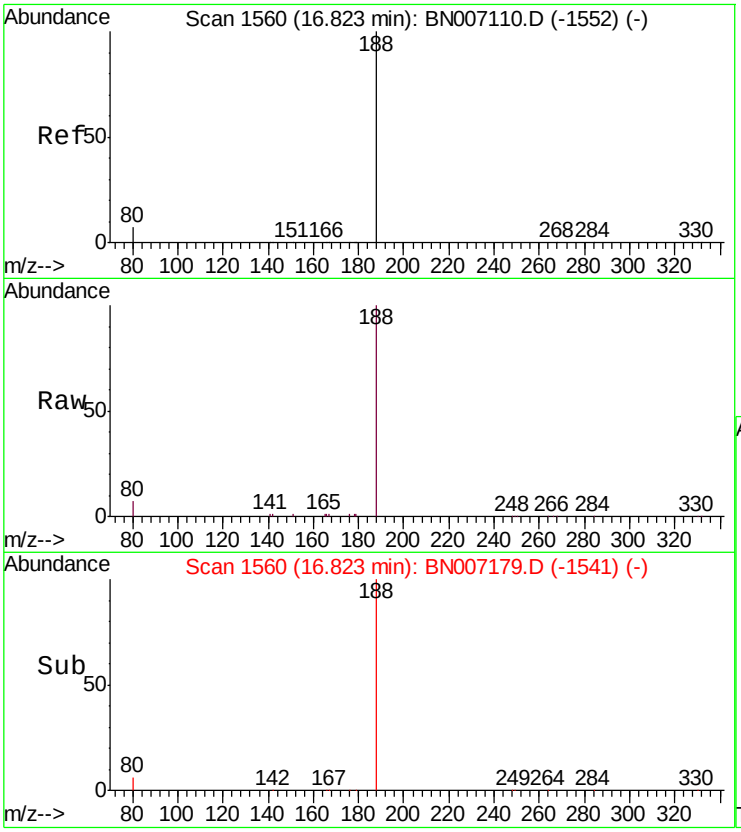


#15
Acenaphthylene
Concen: 0.108 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:152 Resp: 9019

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.8	23.6
153	12.8	10.4	15.6



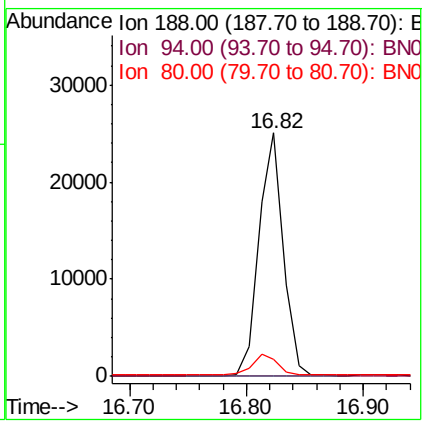


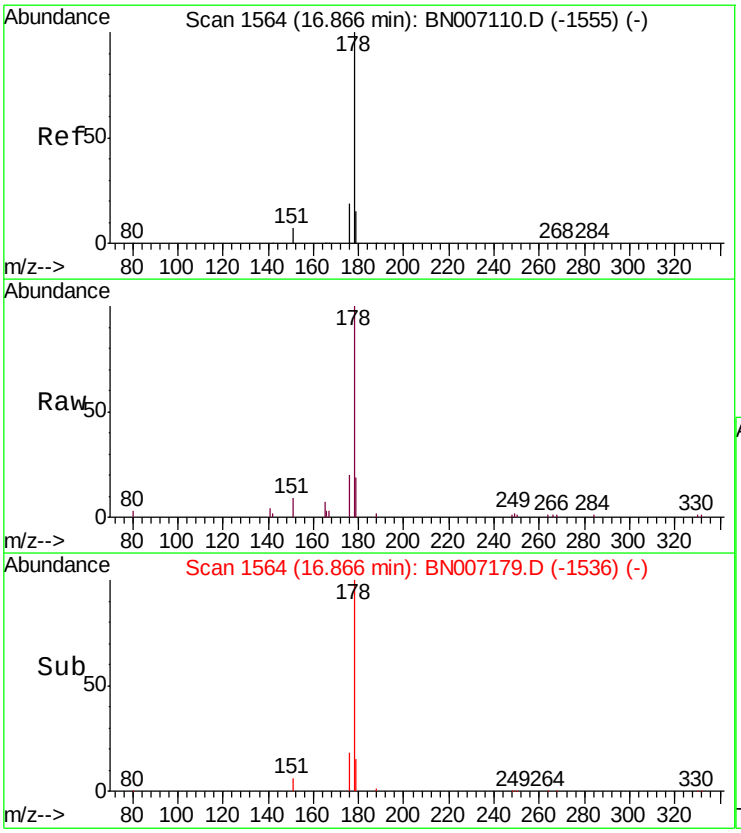
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:188 Resp: 36030

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	7.8	11.6#

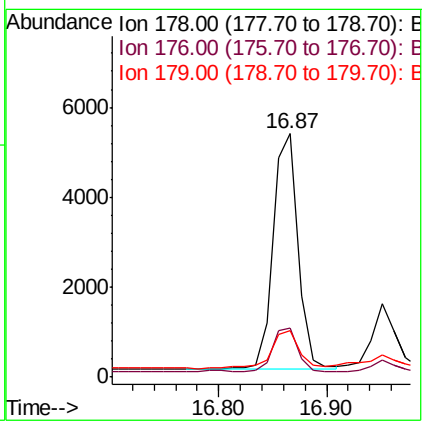


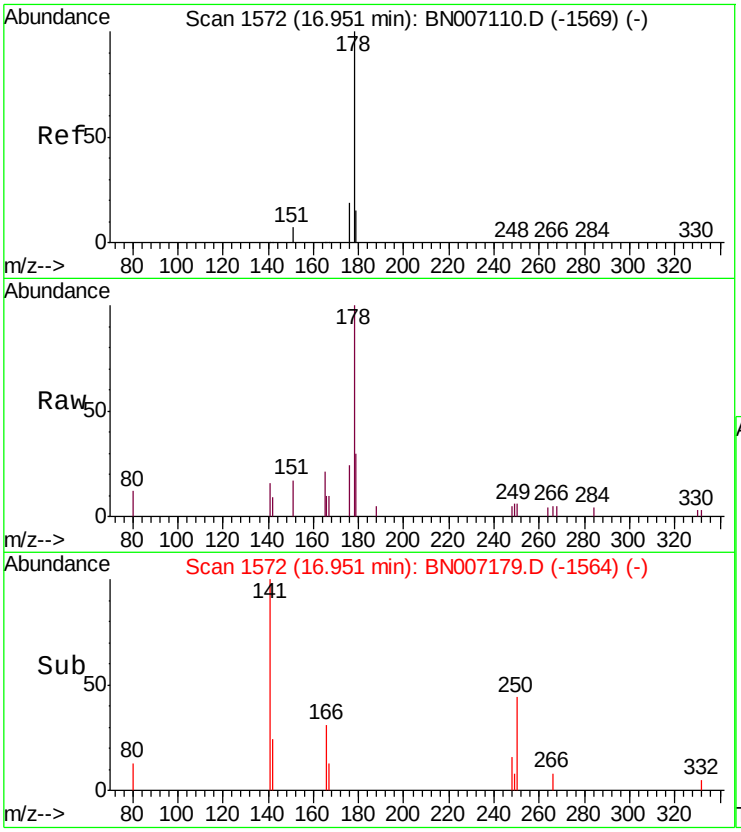


#22
Phenanthrene
Concen: 0.078 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:178 Resp: 8428

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	17.8	12.3	18.5



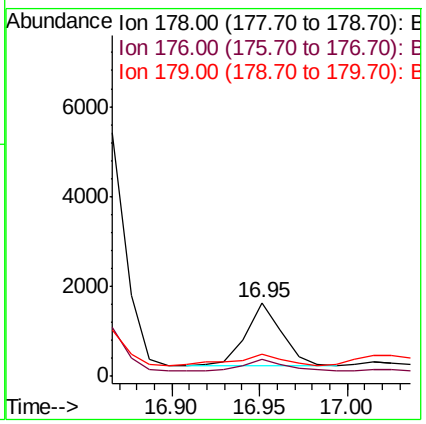


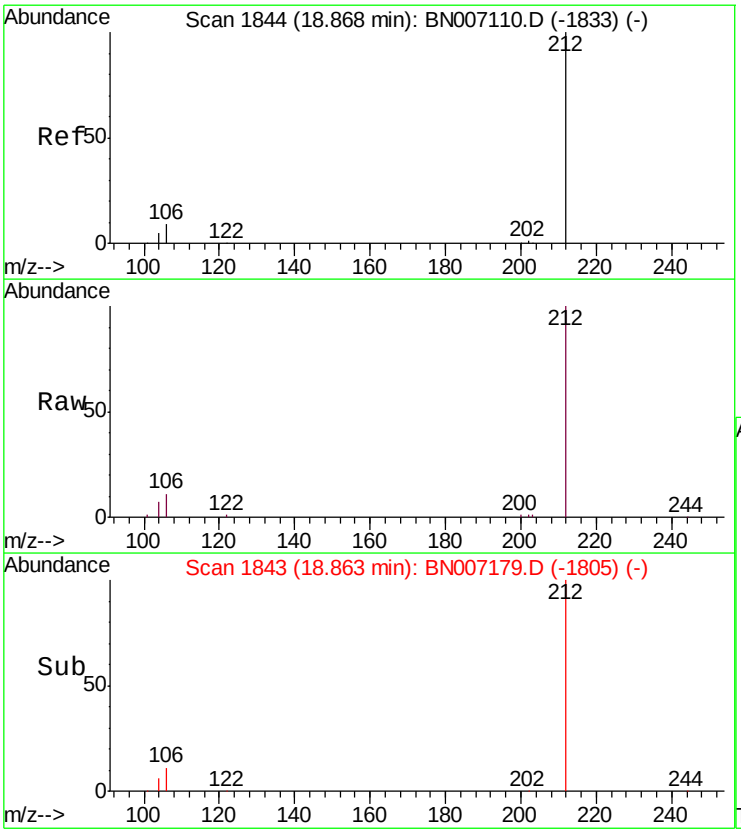
#23
Anthracene
Concen: 0.020 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:178 Resp: 1980

Ion	Ratio	Lower	Upper
178	100		
176	20.9	14.6	21.8
179	27.1	12.5	18.7#

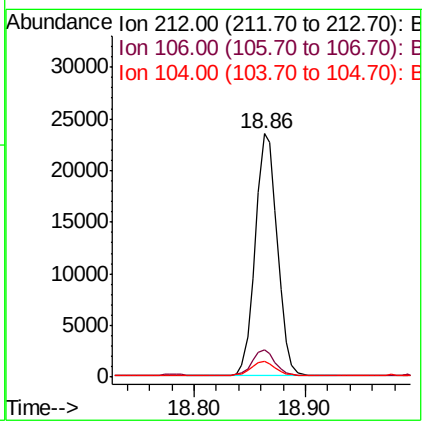


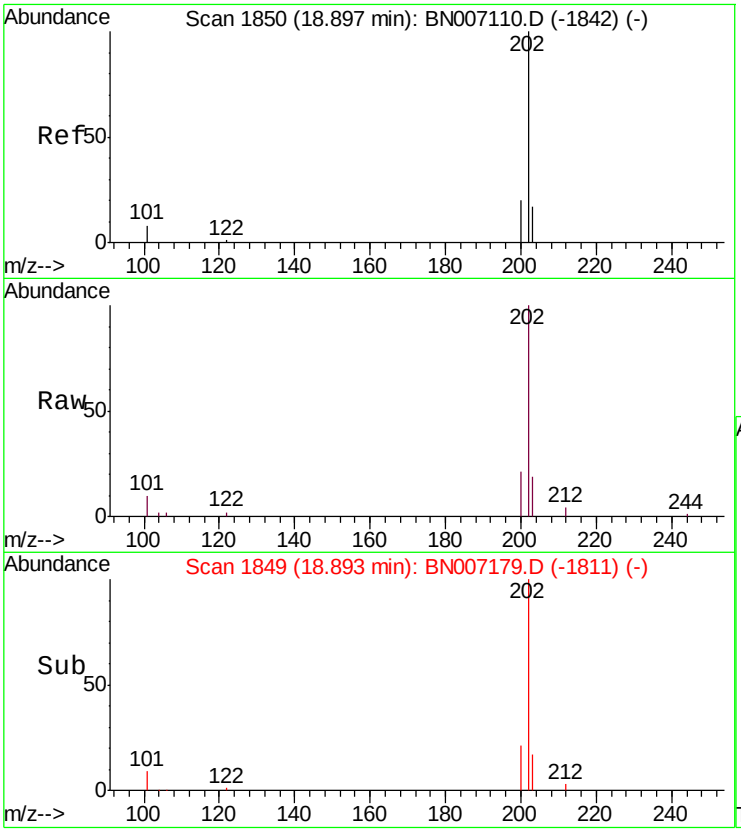


#24
Fluoranthene-d10
Concen: 0.251 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:212 Resp: 32125

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	6.0	4.5	6.7



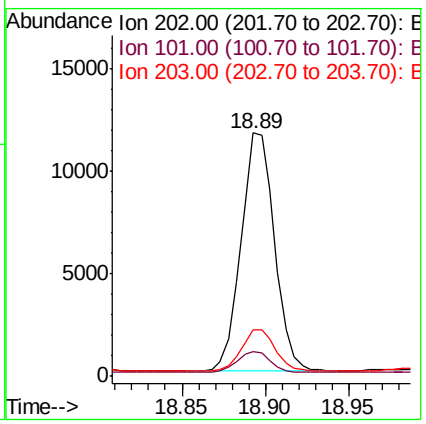


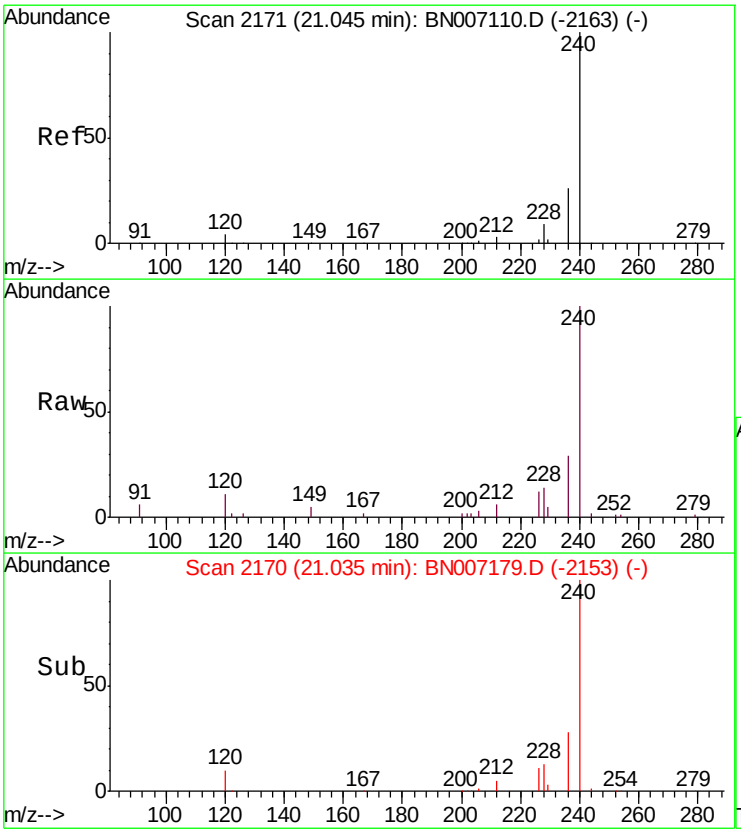
#25
Fluoranthene
Concen: 0.118 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:202 Resp: 16280

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.2	13.8	20.8

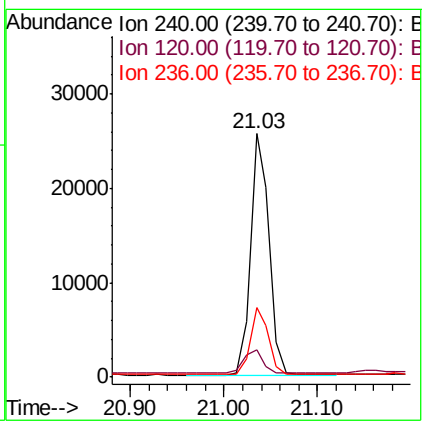


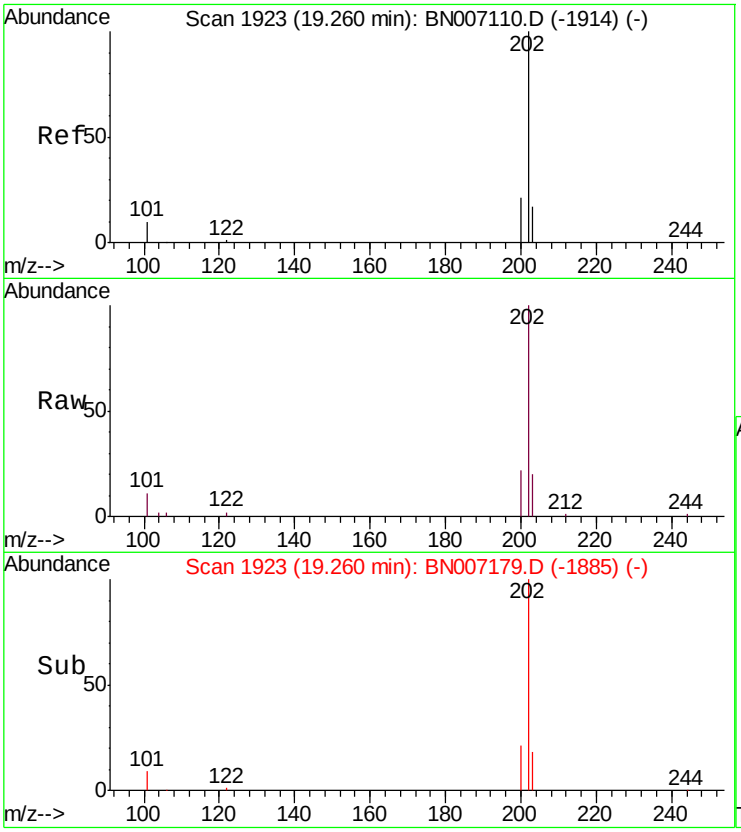


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:240 Resp: 35303

Ion	Ratio	Lower	Upper
240	100		
120	11.5	4.0	6.0#
236	28.5	21.3	31.9



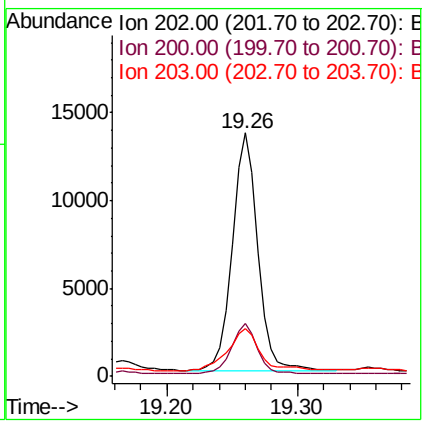


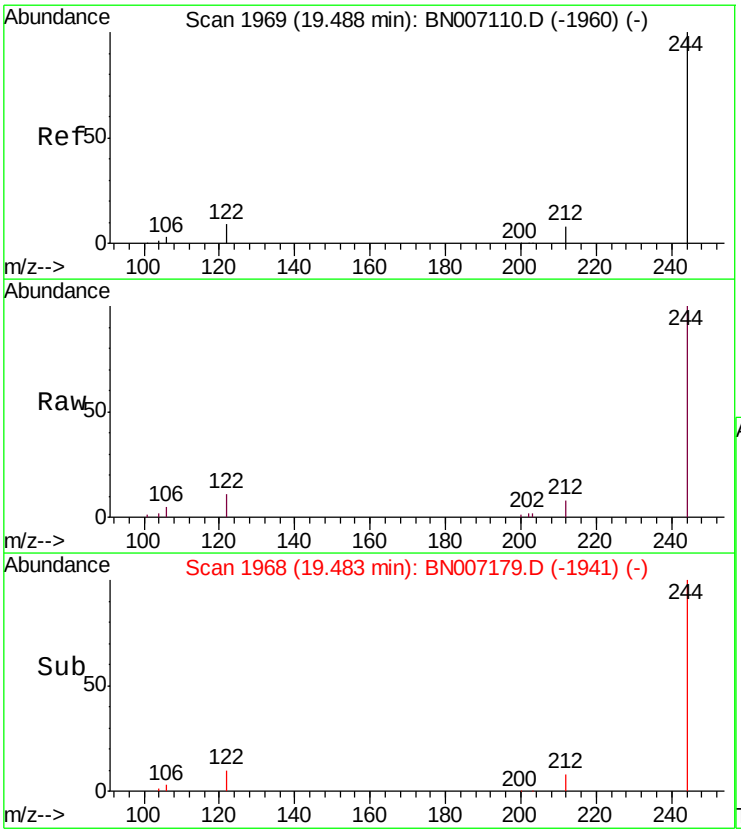
#27
Pyrene
Concen: 0.149 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:202 Resp: 18456

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	24.8
203	22.9	14.0	21.0#

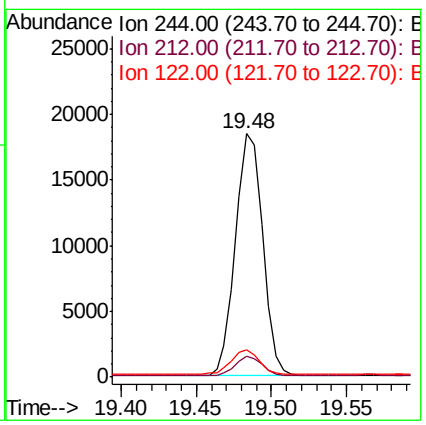


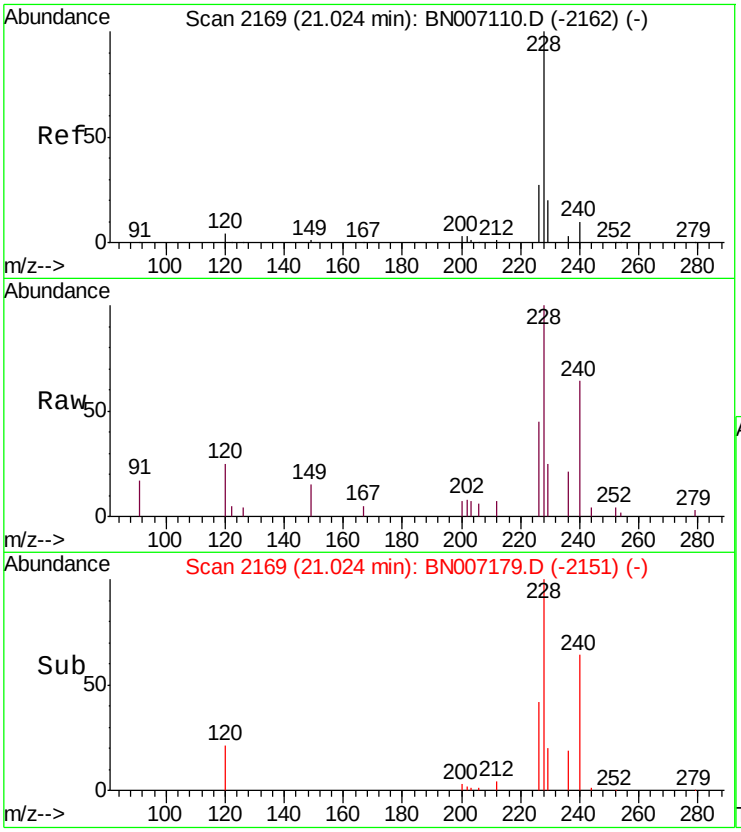


#28
Terphenyl-d14
Concen: 0.242 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:244 Resp: 23282

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	11.4	7.4	11.2#



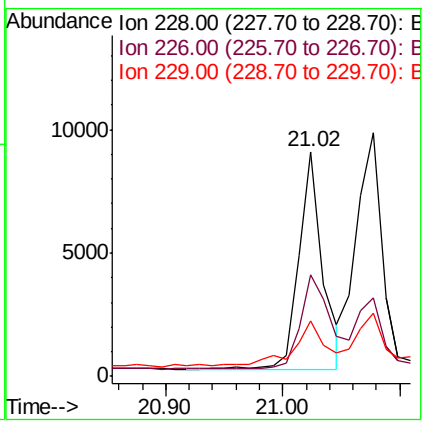


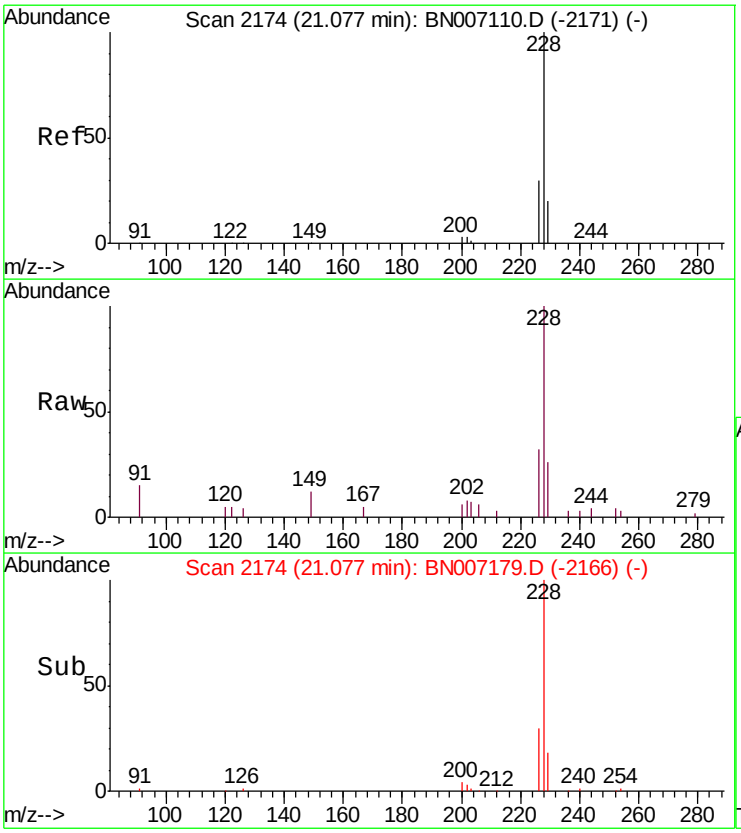
#29
Benzo(a)anthracene
Concen: 0.097 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:228 Resp: 12541

Ion	Ratio	Lower	Upper
228	100		
226	45.2	21.8	32.6#
229	24.6	15.6	23.4#

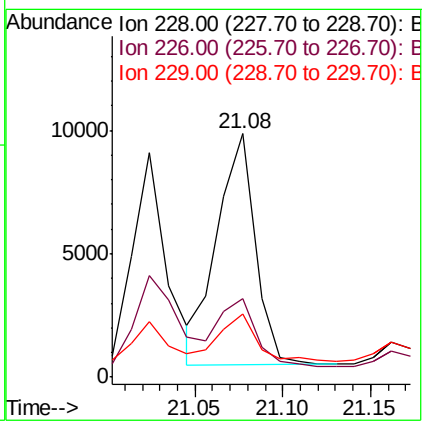


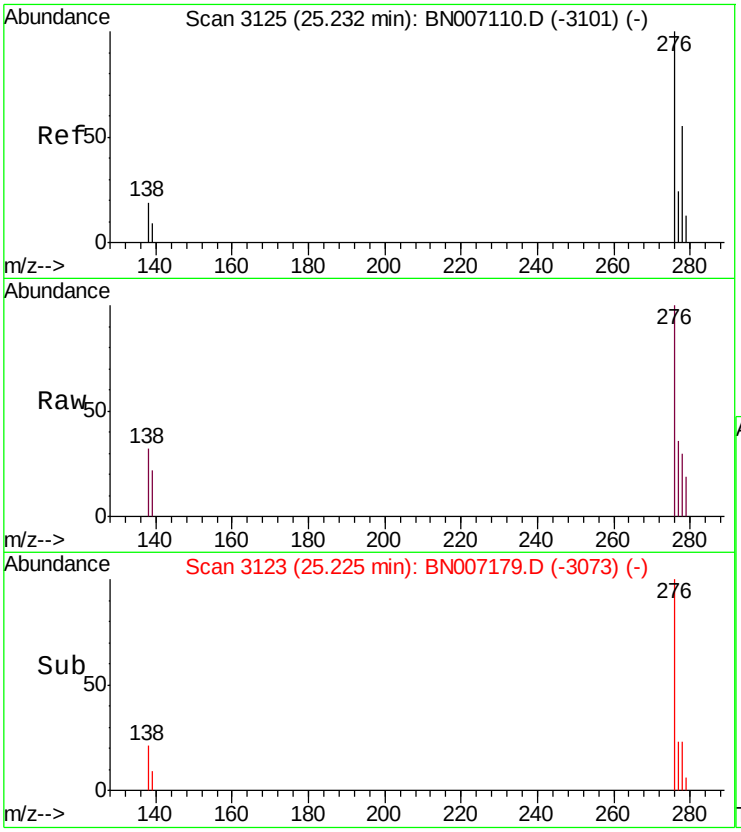


#30
Chrysene
Concen: 0.113 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:228 Resp: 14120

Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.8	35.6
229	25.7	15.7	23.5#



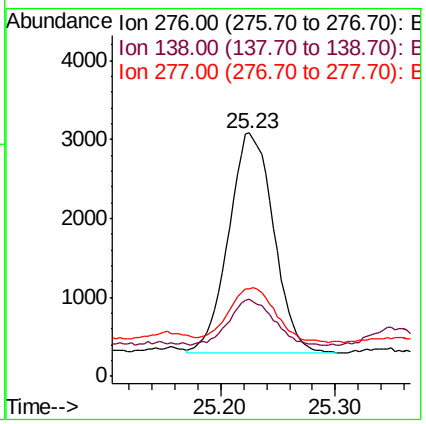


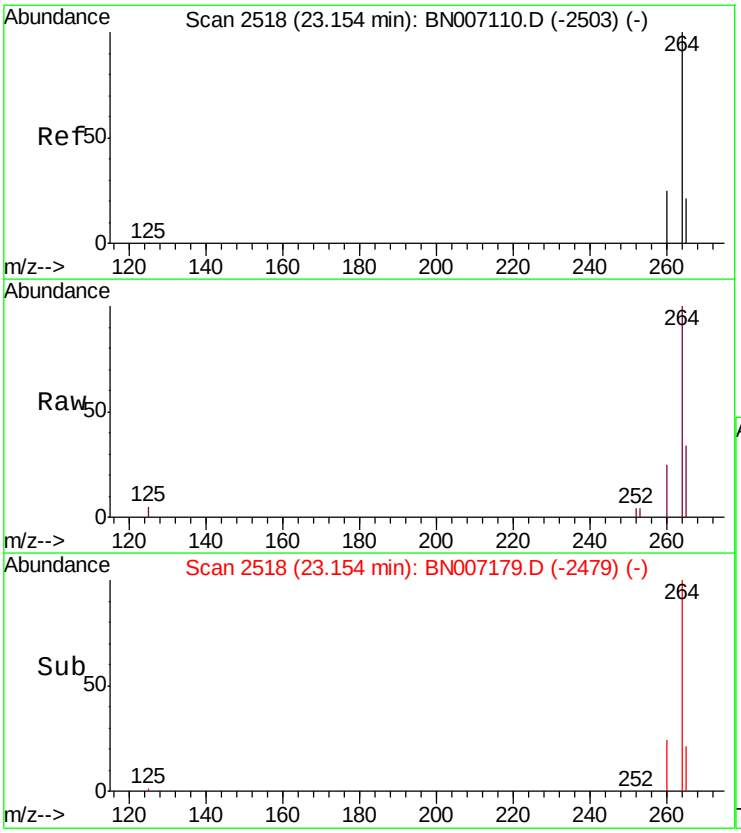
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.055 ng
RT: 25.23 min Scan# 3123
Delta R.T. -0.03 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:276 Resp: 7566

Ion	Ratio	Lower	Upper
276	100		
138	21.2	16.0	24.0
277	25.7	19.9	29.9

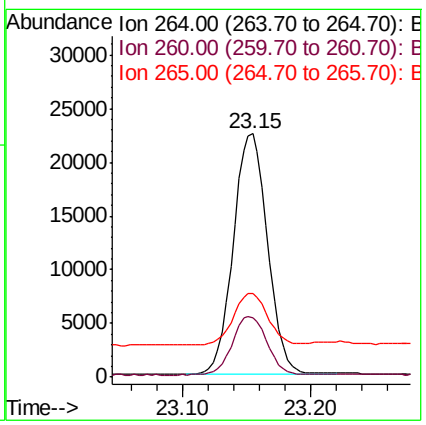


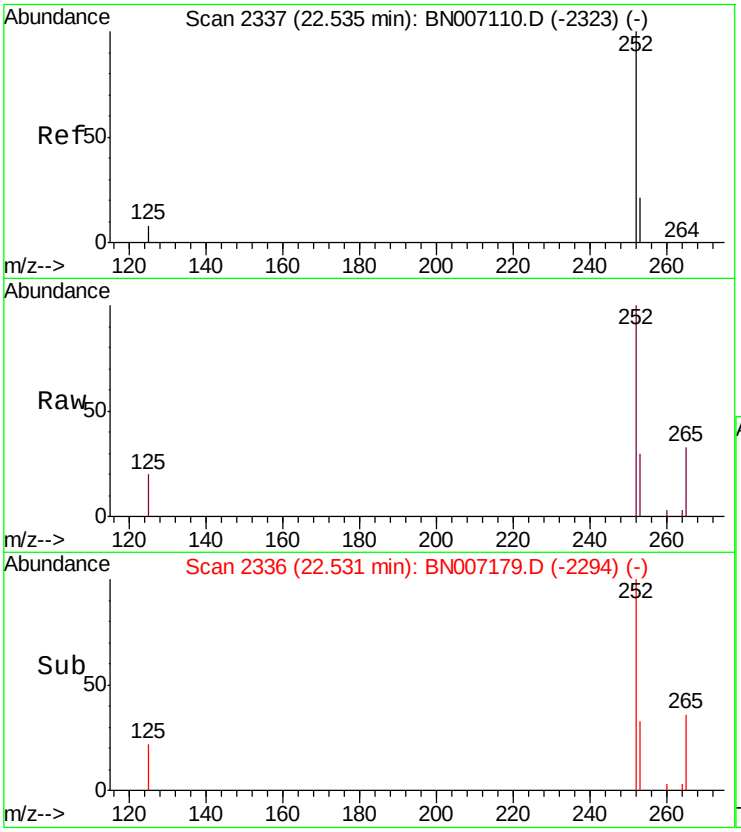


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:264 Resp: 41453

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	34.3	26.2	39.4



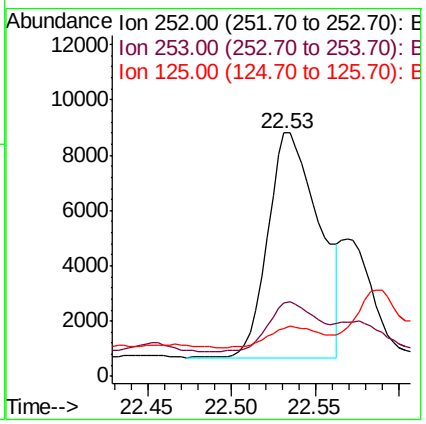


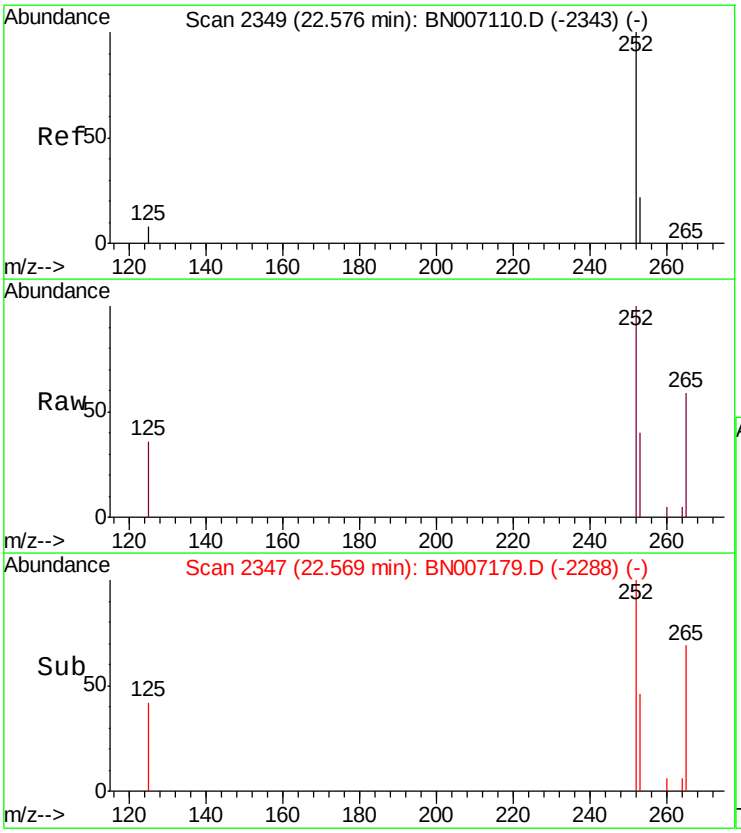
#33
Benzo(b)fluoranthene
Concen: 0.122 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:252 Resp: 17322

Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.2	27.2#
125	19.8	7.4	11.0#

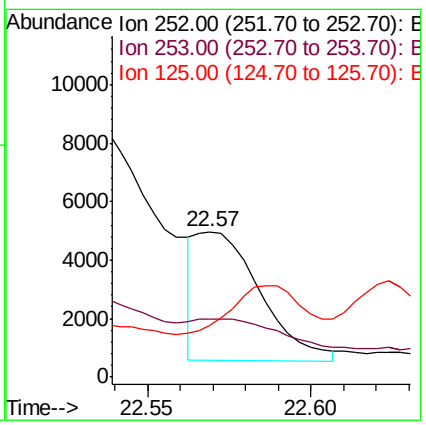


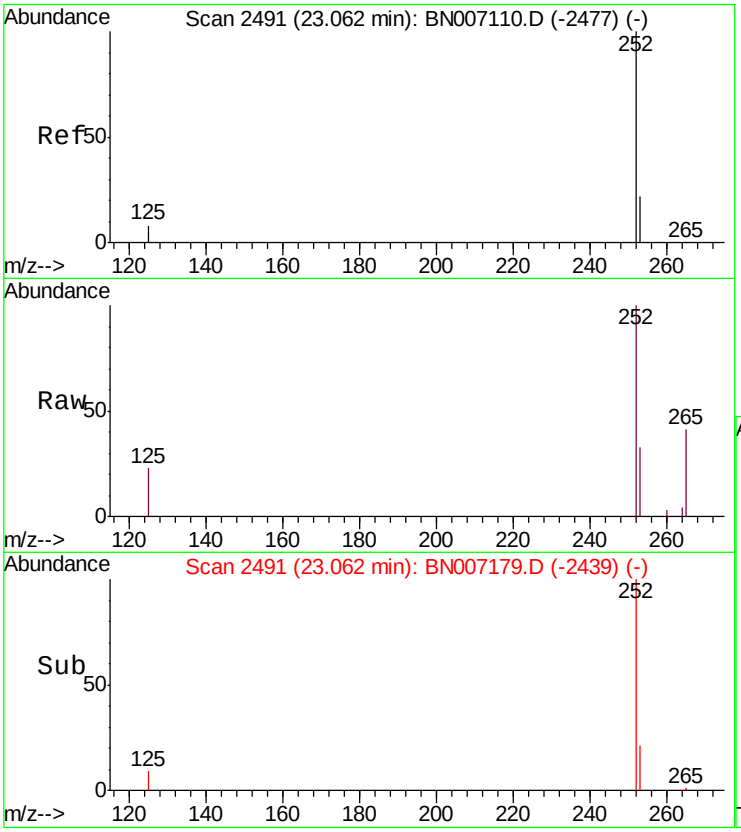


#34
Benzo(k)fluoranthene
Concen: 0.043 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:252 Resp: 6003

Ion	Ratio	Lower	Upper
252	100		
253	39.5	18.1	27.1#
125	35.5	7.4	11.0#



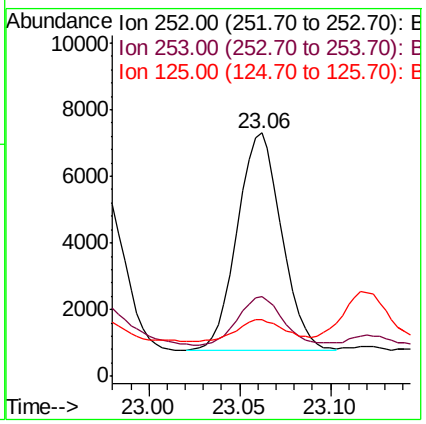


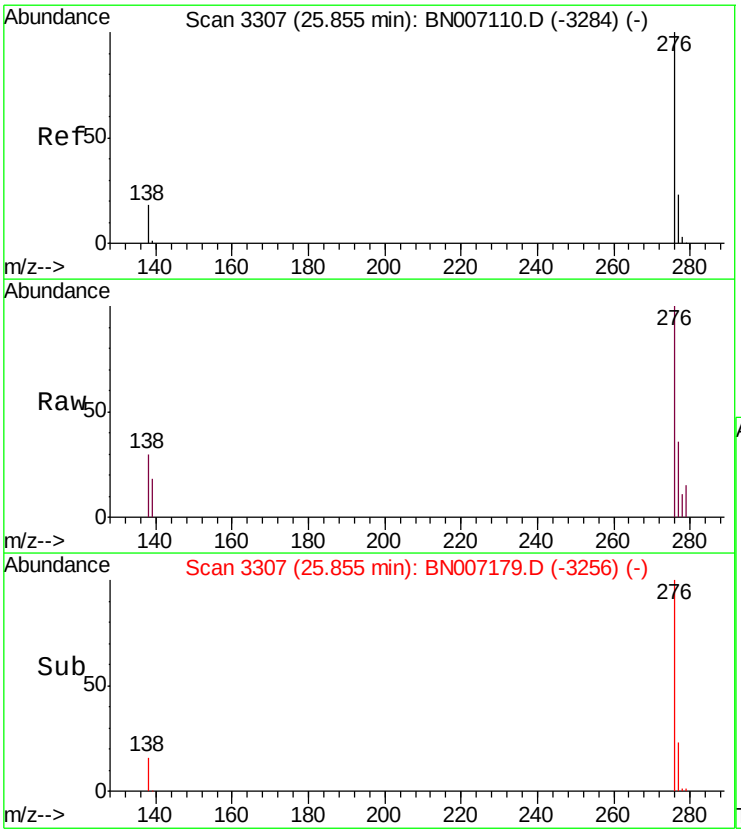
#35
Benzo(a)pyrene
Concen: 0.086 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Tgt Ion:252 Resp: 11081

Ion	Ratio	Lower	Upper
252	100		
253	33.0	18.5	27.7#
125	23.2	8.2	12.4#





#37
Benzo(g,h,i)perylene
Concen: 0.058 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:276 Resp: 7728

Ion	Ratio	Lower	Upper
276	100		
277	36.0	19.8	29.8#
138	30.4	14.6	22.0#