Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN081019\
Data File : BN007075.D
Acq On : 11 Aug 2019 08:00
Operator : HP/JU
Sample : K4143-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 12 06:38:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	10055	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	38411	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	22421	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	56258	0.40	ng		0.00
26) Chrysene-d12	21.05	240	58986	0.40	ng		-0.01
32) Perylene-d12	23.16	264	62812	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	4913	0.20	ng		0.00
4) Phenol-d6	6.61	99	6693	0.22	ng		0.00
7) Nitrobenzene-d5	8.56	82	5256	0.17	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	12222	0.17	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	1706	0.14	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	4039	0.12	ng		0.00
24) Fluoranthene-d10	18.87	212	29958	0.15	ng		0.00
28) Terphenyl-d14	19.49	244	21981	0.14	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	2362	0.022	ng	#	88
15) Acenaphthylene	13.79	152	11844	0.101	ng		99
17) Fluorene	15.13	166	2554	0.023	ng		91
22) Phenanthrene	16.87	178	70271	0.417	ng		100
23) Anthracene	16.95	178	14253	0.093	ng	#	94
25) Fluoranthene	18.90	202	188835	0.876	ng		100
27) Pyrene	19.26	202	177529	0.858	ng	#	96
29) Benzo(a)anthracene	21.02	228	106964	0.496	ng		96
30) Chrysene	21.08	228	111433	0.532	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	63570	0.275	ng		98
33) Benzo(b)fluoranthene	22.54	252	142458	0.661	ng		99
34) Benzo(k)fluoranthene	22.57	252	47598m	0.224	ng		
35) Benzo(a)pyrene	23.07	252	92190	0.472	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	17366	0.089	ng	#	87
37) Benzo(g,h,i)perylene	25.86	276	64583	0.322	ng		99

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

Quantitation Report (QT Reviewed)

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ALS Vial : 22 Sample Multiplier: 1

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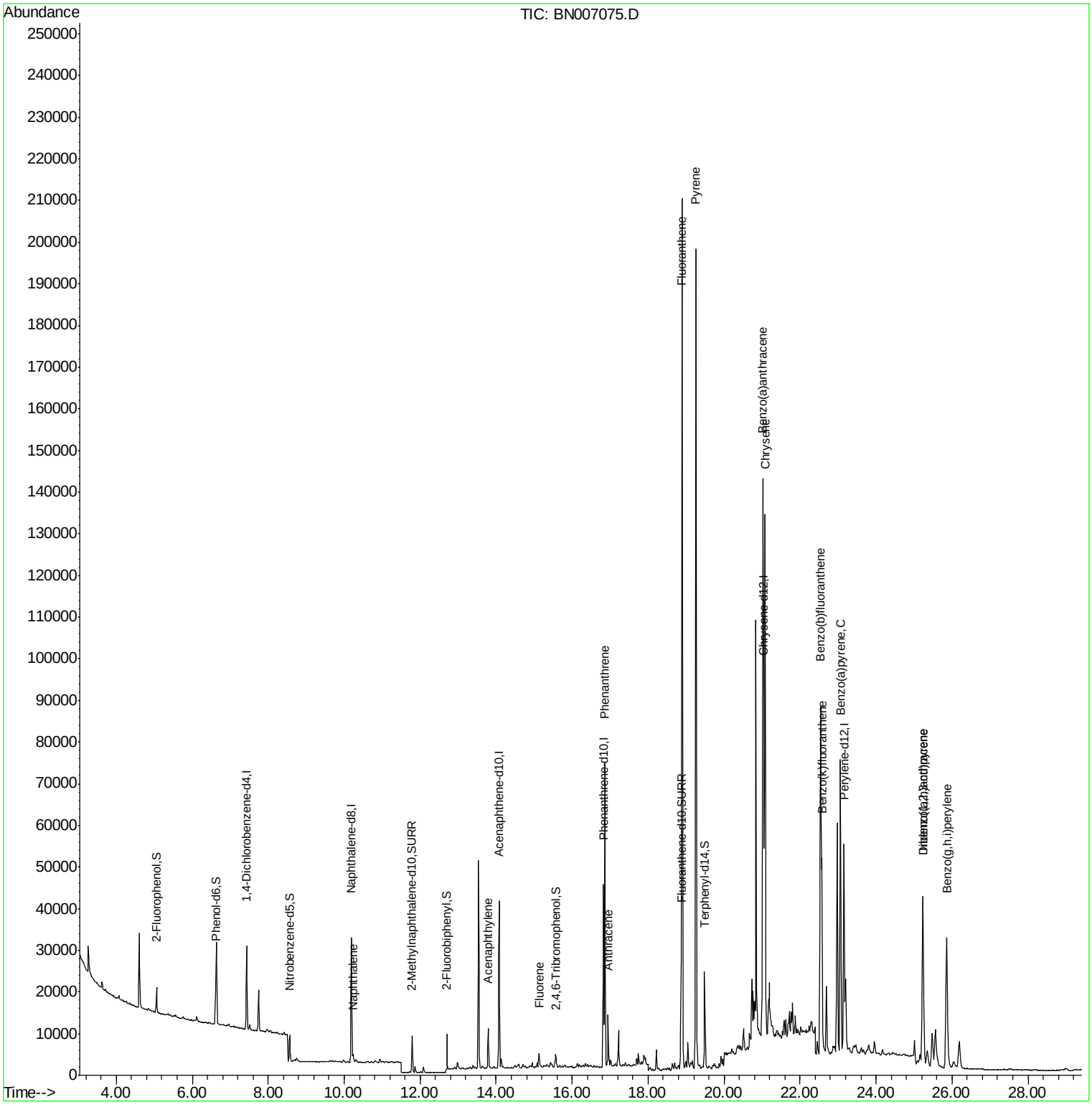
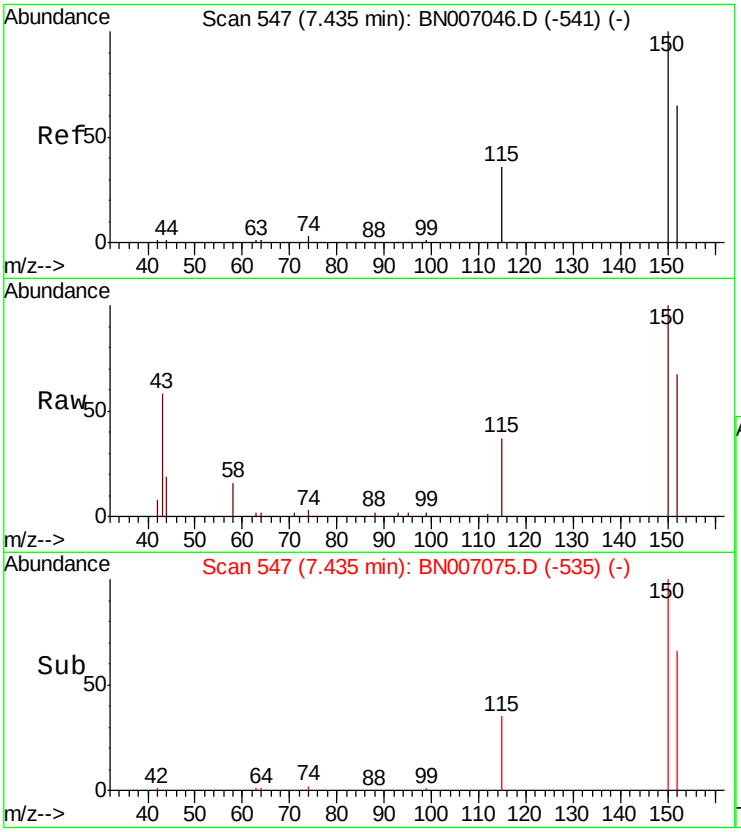
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



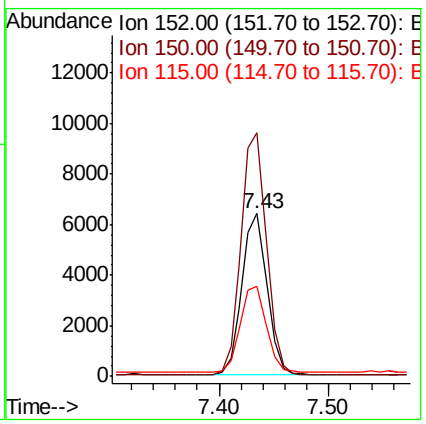


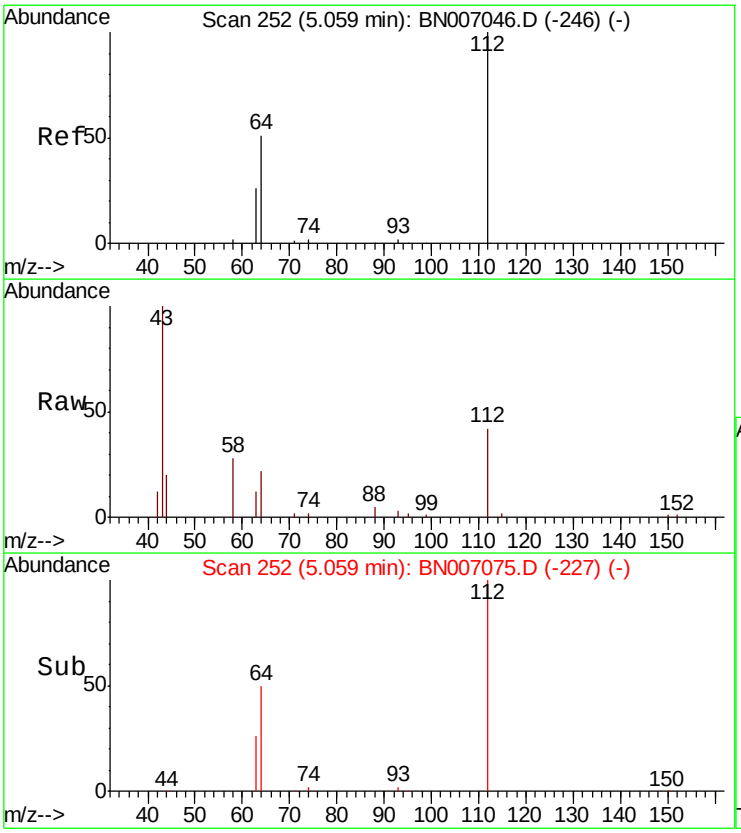
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 10055

Ion	Ratio	Lower	Upper
152	100		
150	150.0	121.7	182.5
115	55.2	46.2	69.4

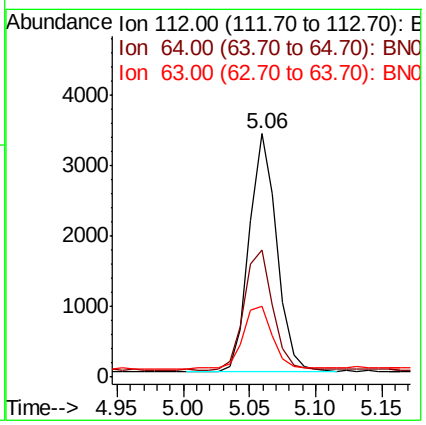


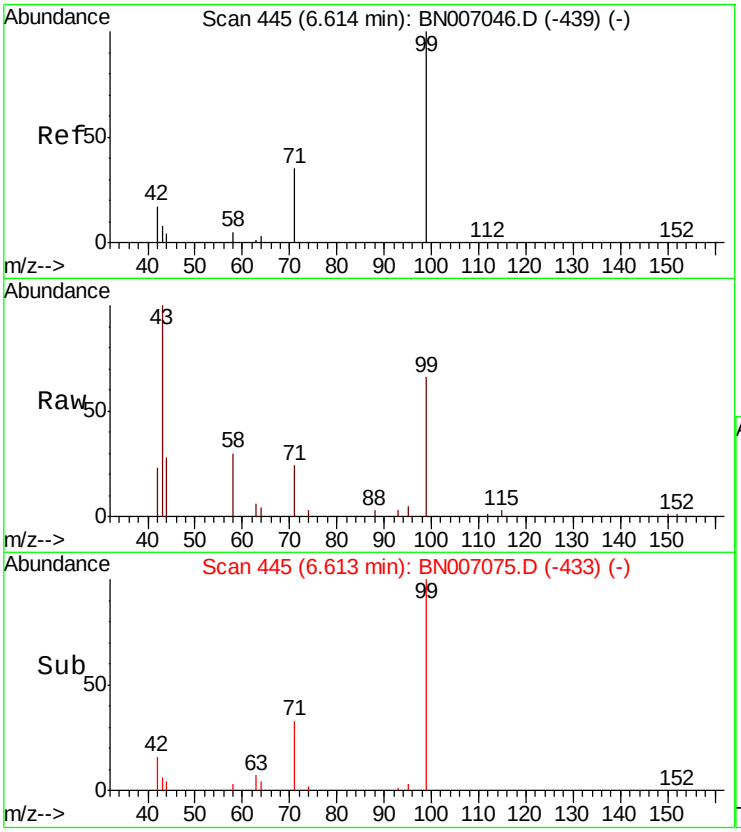


#3
2-Fluorophenol
Concen: 0.203 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:112 Resp: 4913

Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.6	63.8
63	28.1	22.2	33.2



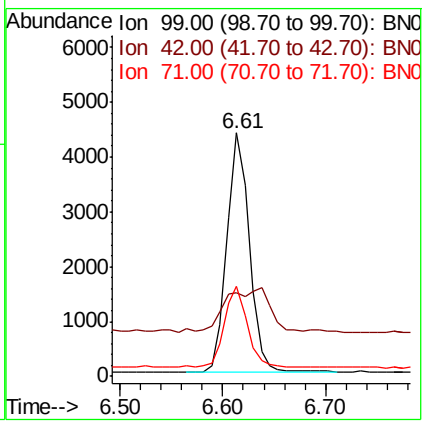


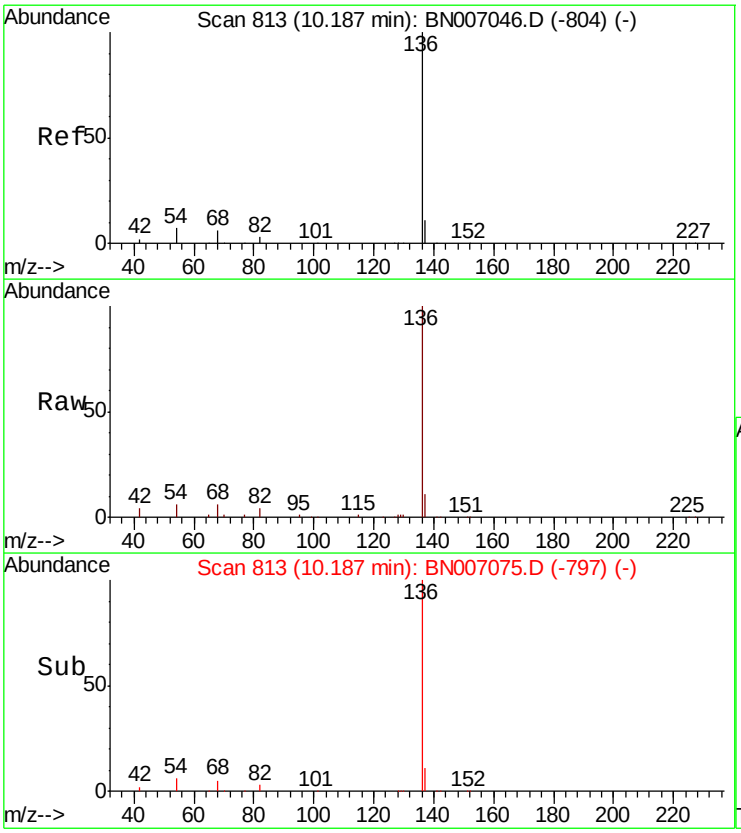
#4
Phenol-d6
Concen: 0.224 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 6693

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	34.6	27.0	40.4

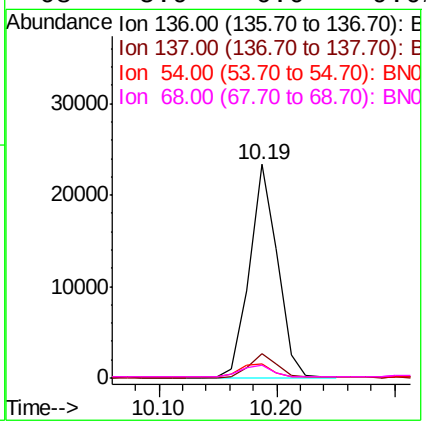


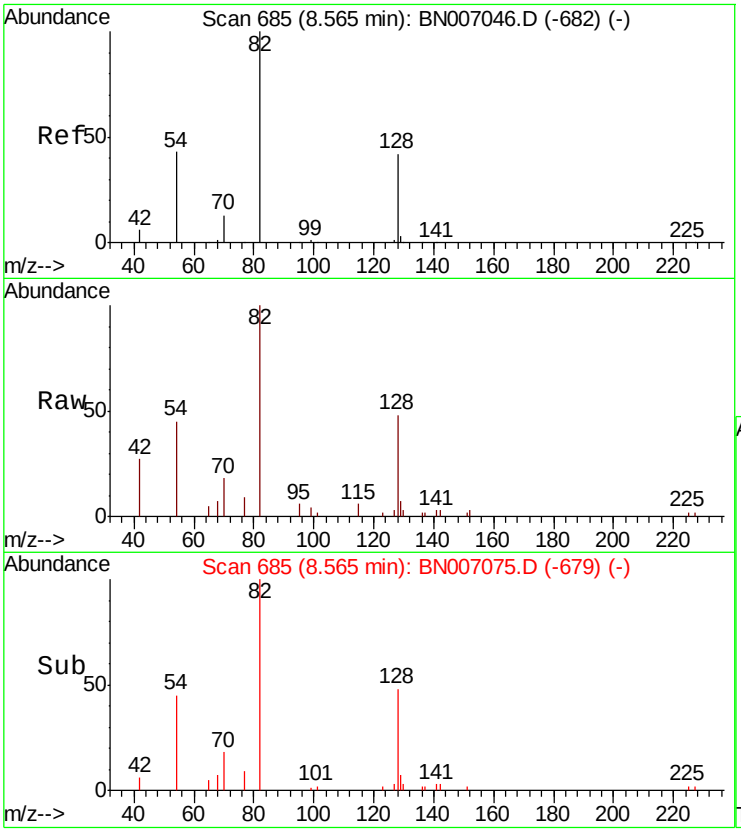


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:136 Resp: 38411

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.4	6.6	9.8#
68	5.9	6.0	9.0#



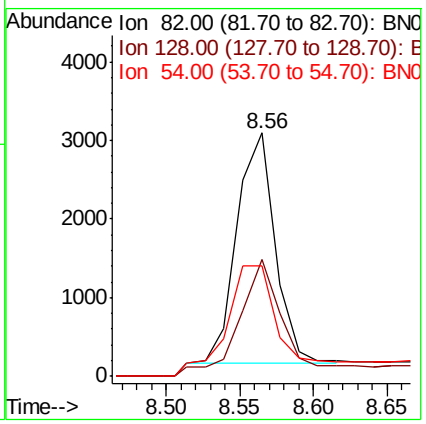


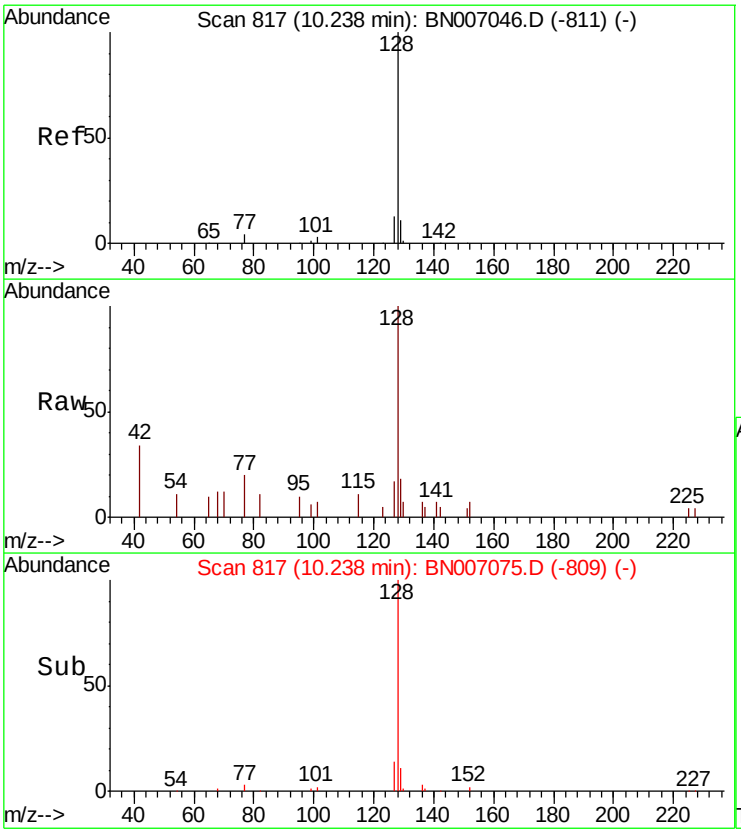
#7
Nitrobenzene-d5
Concen: 0.170 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 5256

Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.6	51.8
54	45.3	36.2	54.4

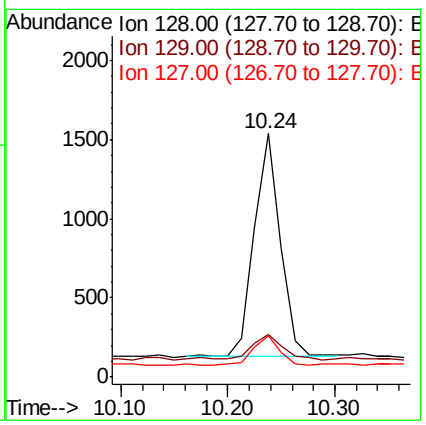


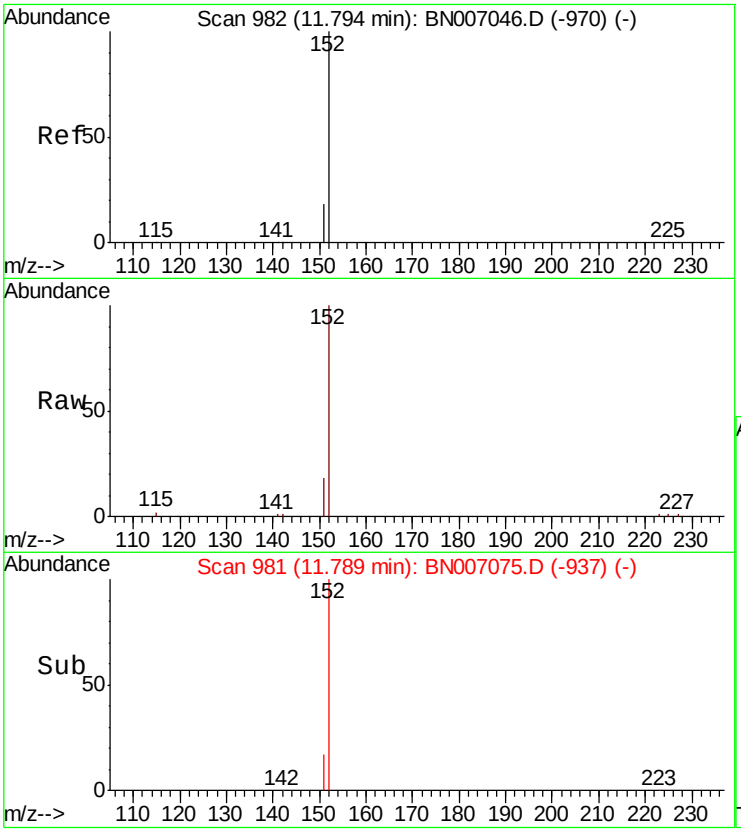


#8
Naphthalene
Concen: 0.022 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:128 Resp: 2362

Ion	Ratio	Lower	Upper
128	100		
129	17.6	9.4	14.2#
127	17.2	11.0	16.6#



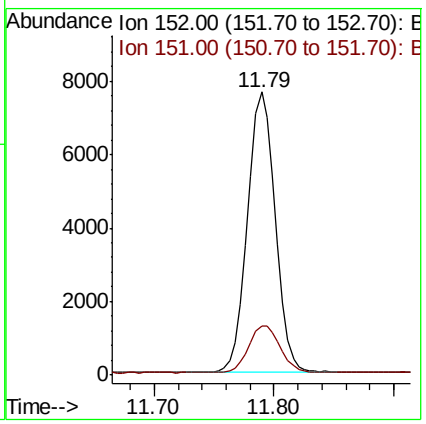


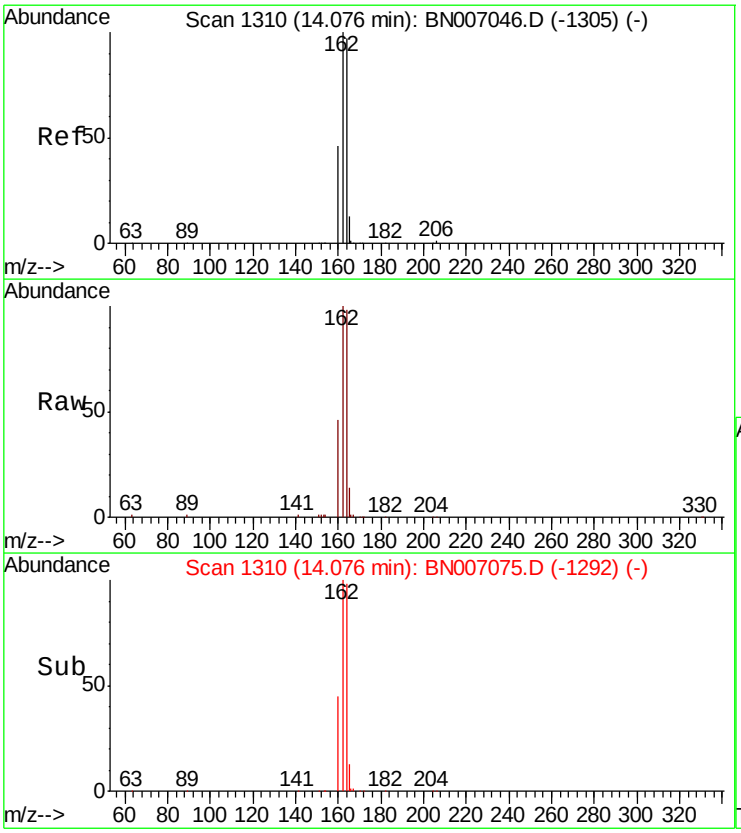
#10
2-Methylnaphthalene-d10
Concen: 0.171 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 12222

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3

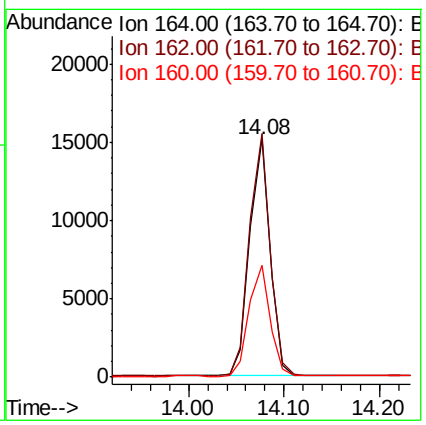


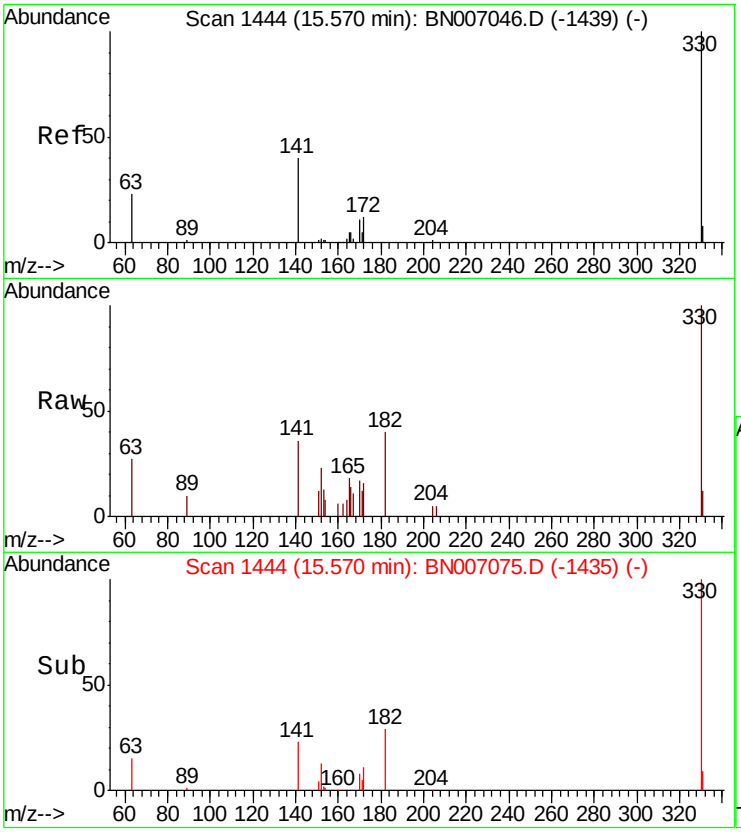


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:164 Resp: 22421

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	46.7	38.3	57.5



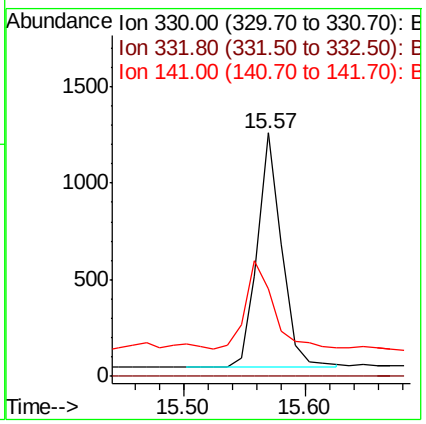


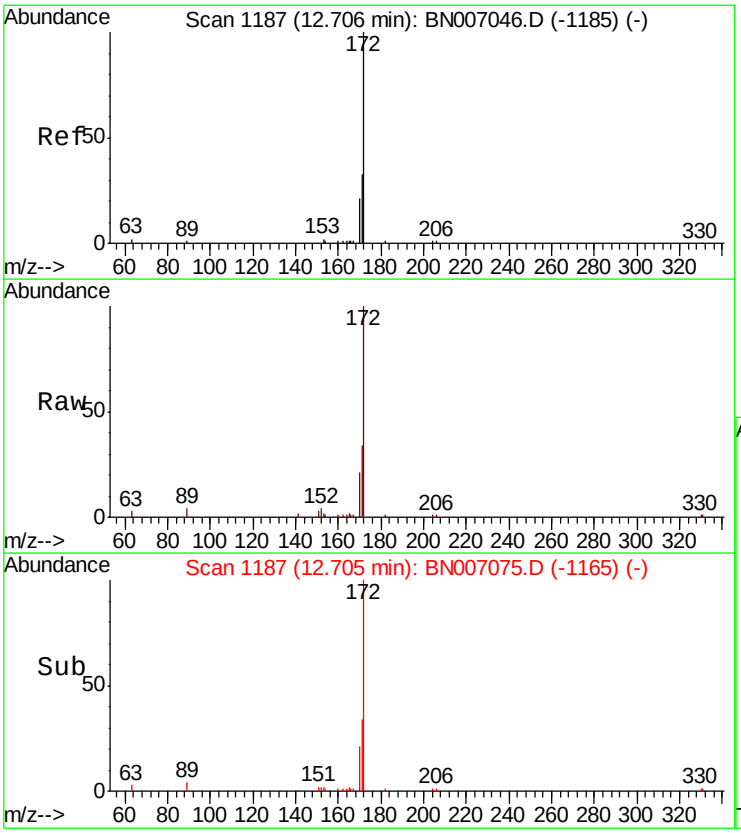
#13
2,4,6-Tribromophenol
Concen: 0.141 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 1706

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.7	33.6	50.4

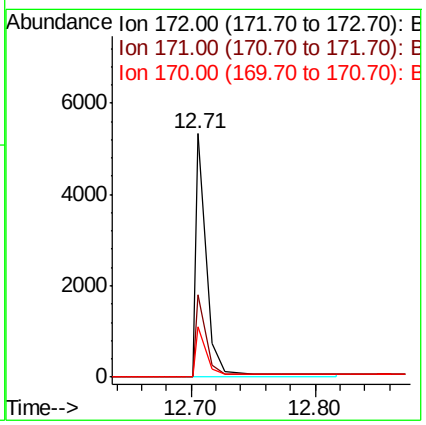


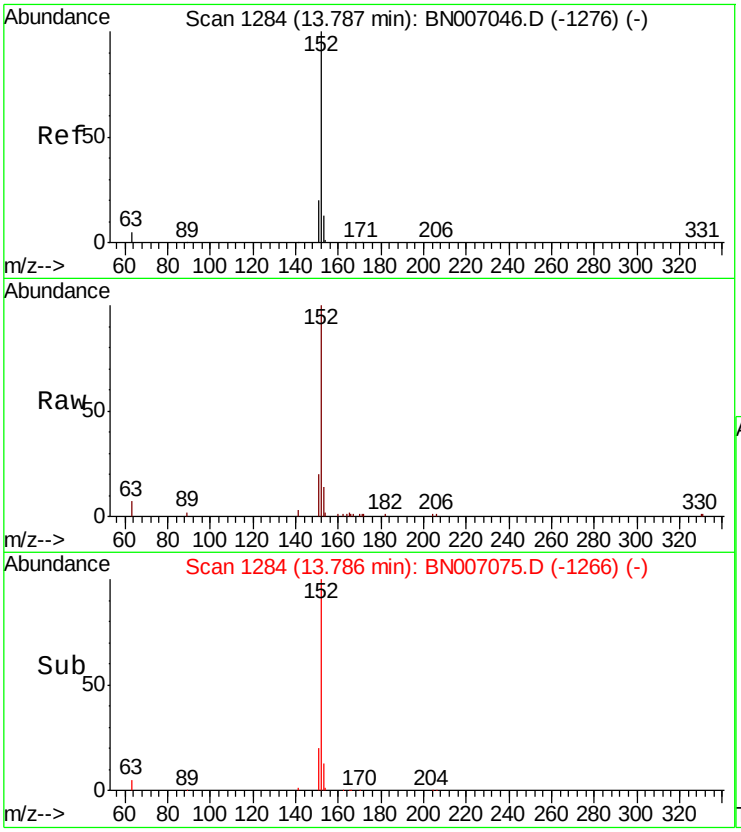


#14
2-Fluorobiphenyl
Concen: 0.124 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:172 Resp: 4039

Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.3	39.5
170	20.6	17.0	25.4



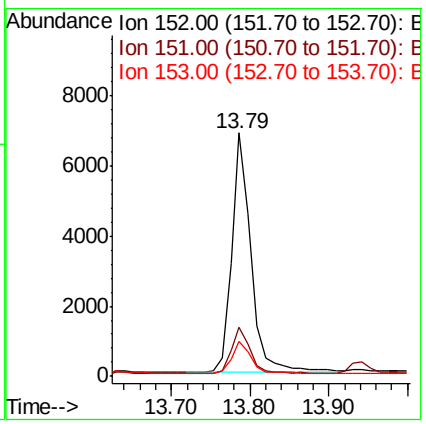


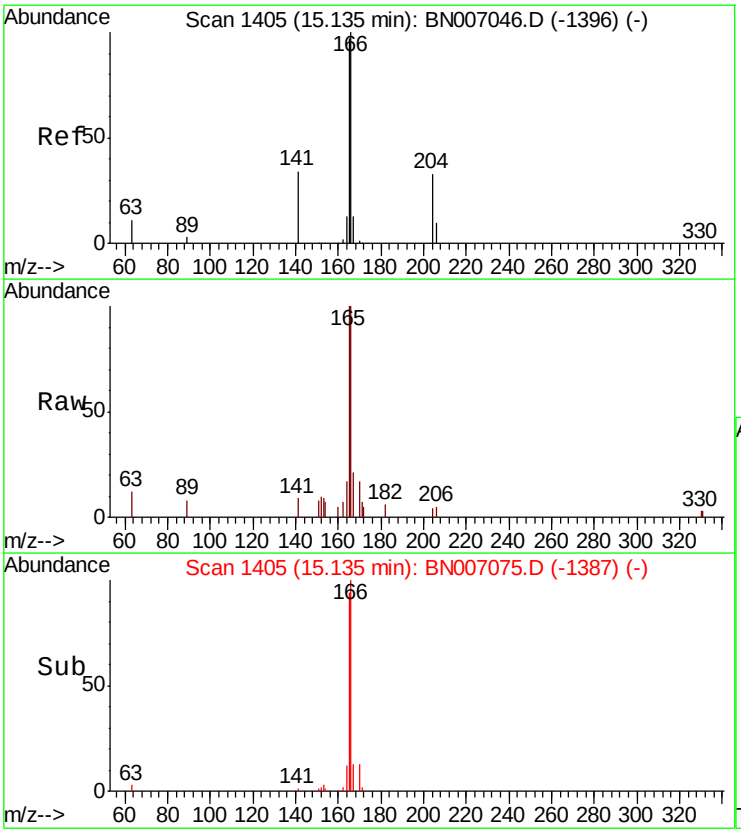
#15
Acenaphthylene
Concen: 0.101 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 11844

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.7	10.4	15.6

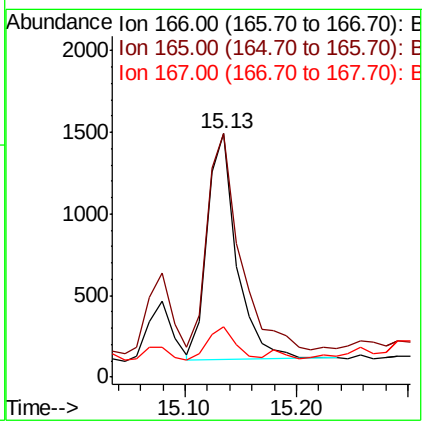


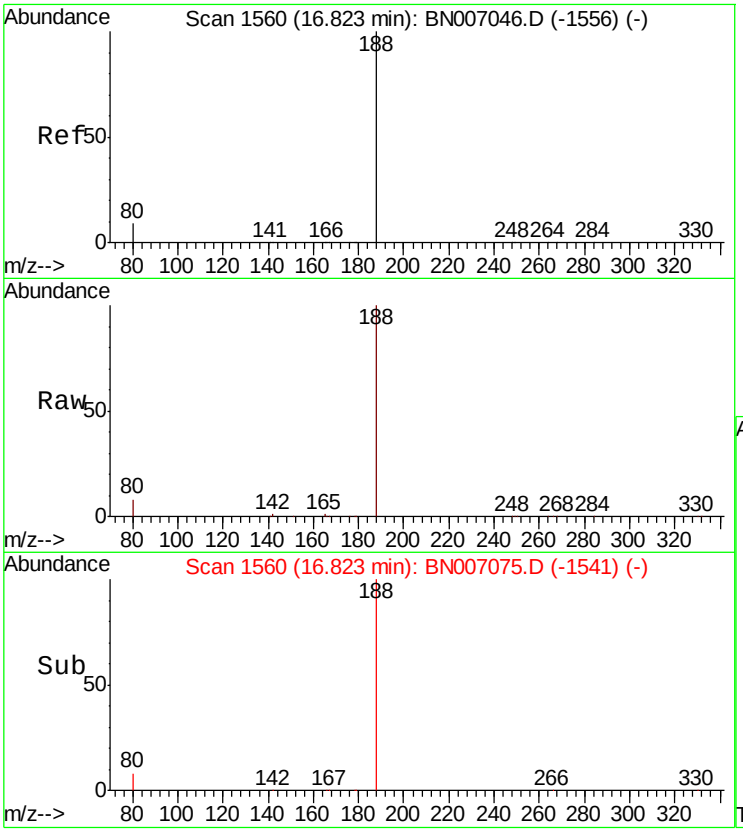


#17
Fluorene
Concen: 0.023 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:166 Resp: 2554

Ion	Ratio	Lower	Upper
166	100		
165	107.0	77.9	116.9
167	14.4	10.9	16.3



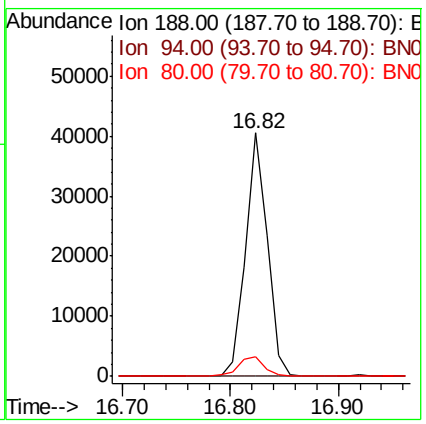


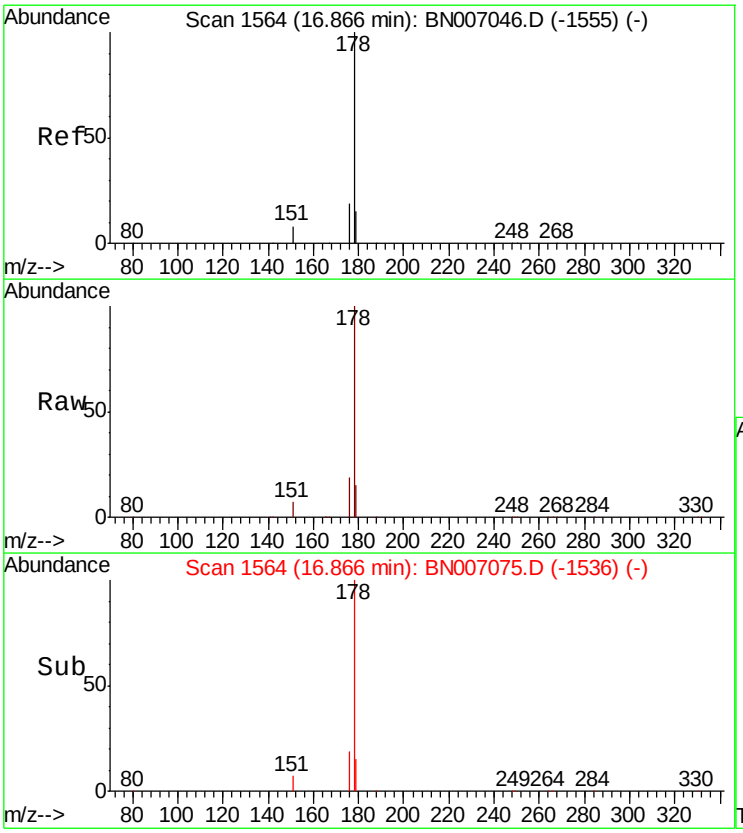
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 56258

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	7.8	11.6

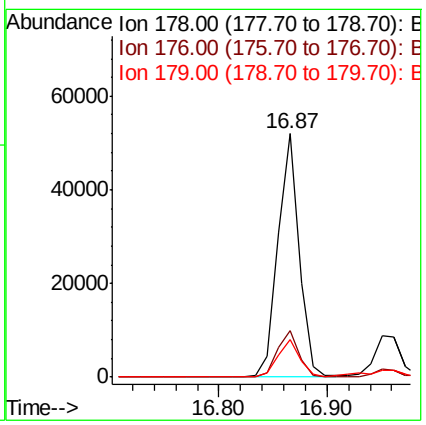


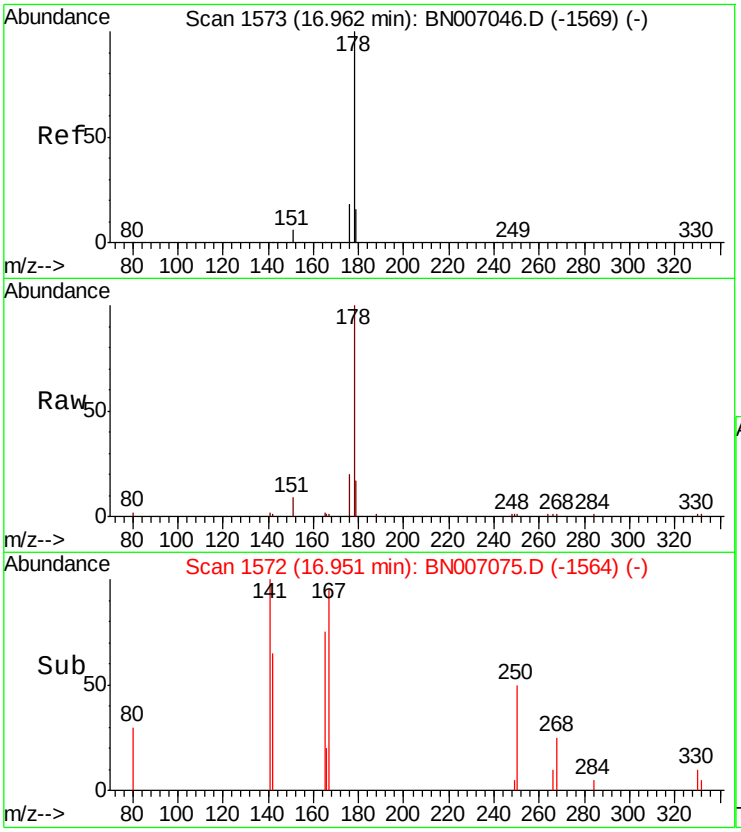


#22
Phenanthrene
Concen: 0.417 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:178 Resp: 70271

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.4	12.3	18.5



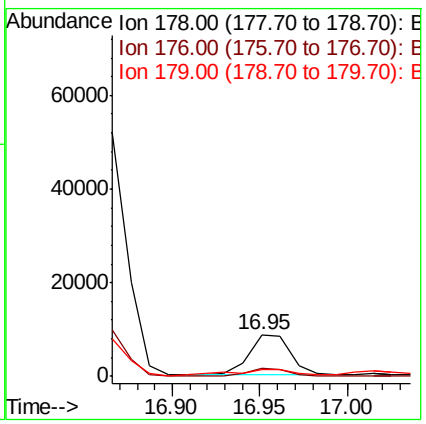


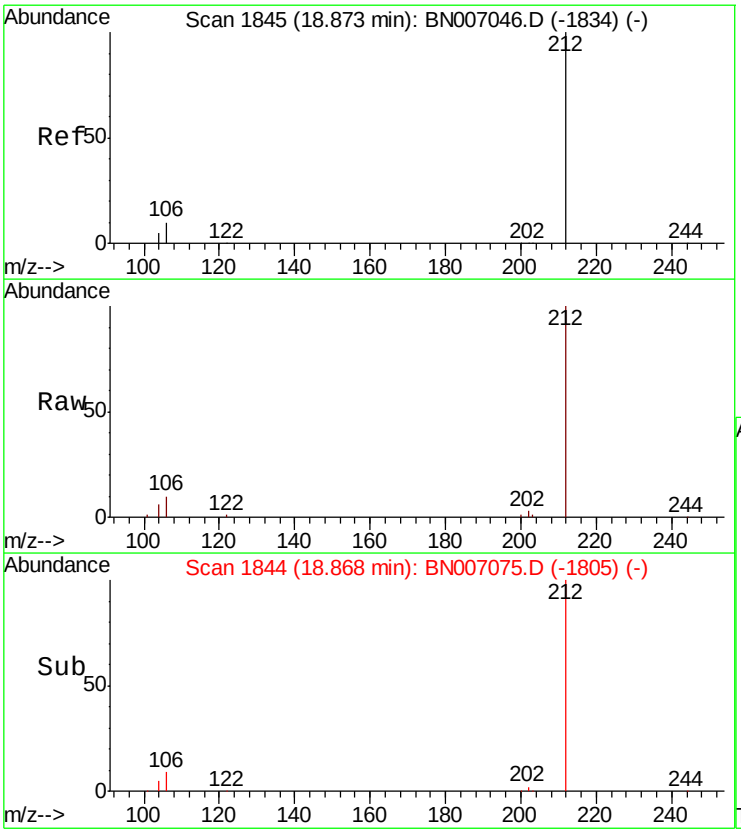
#23
Anthracene
Concen: 0.093 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 14253

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	21.0	12.5	18.7#

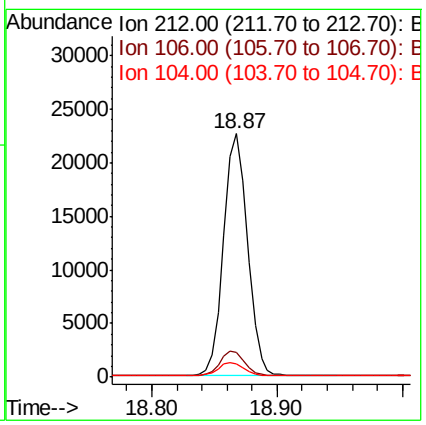


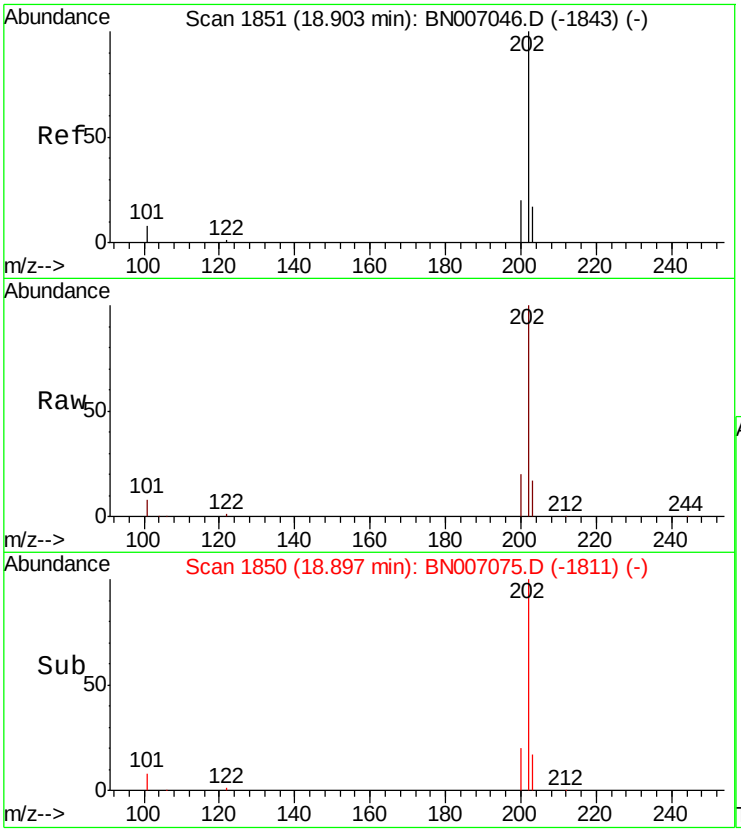


#24
Fluoranthene-d10
Concen: 0.150 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:212 Resp: 29958

Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	5.6	4.5	6.7



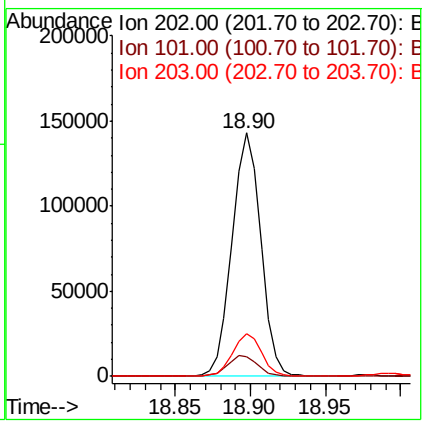


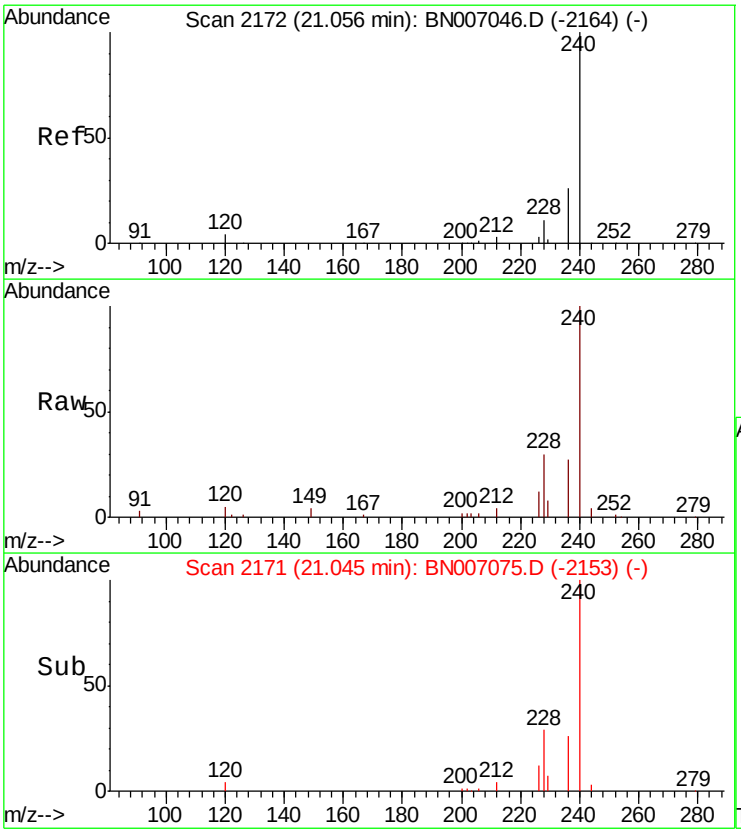
#25
Fluoranthene
Concen: 0.876 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 188835

Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
203	17.3	13.8	20.8

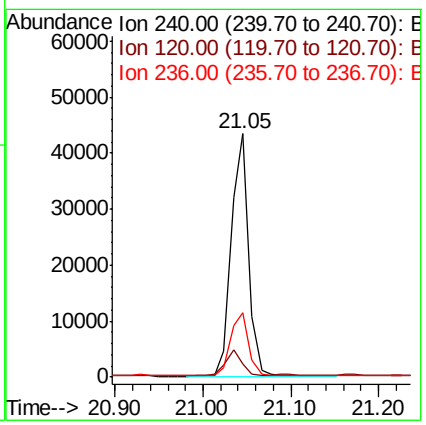


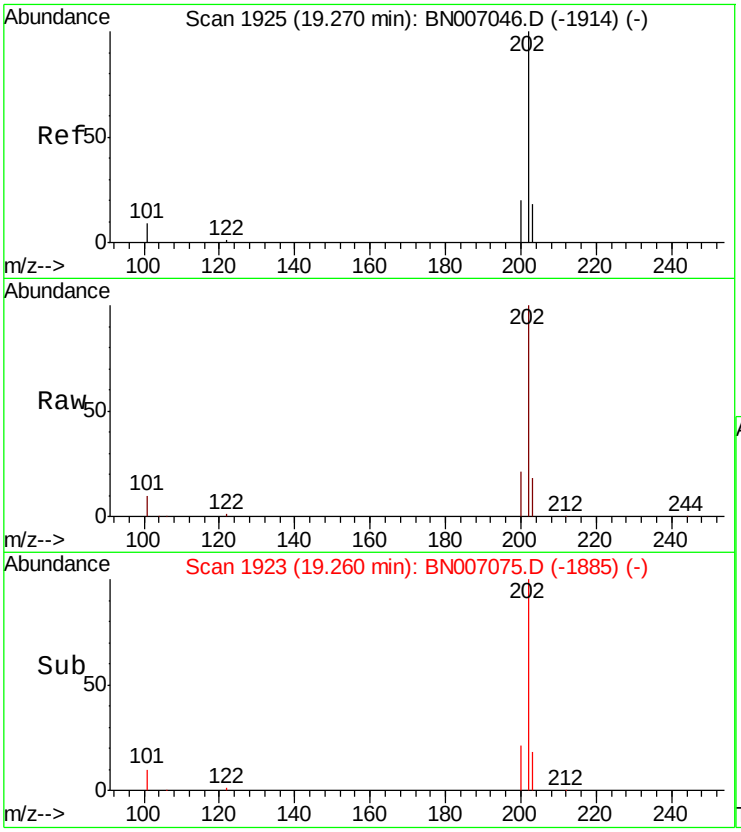


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:240 Resp: 58986

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.0	6.0
236	26.6	21.3	31.9



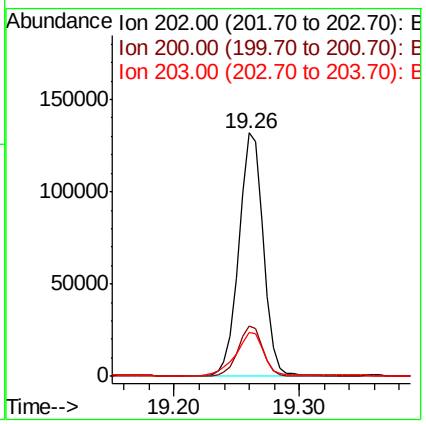


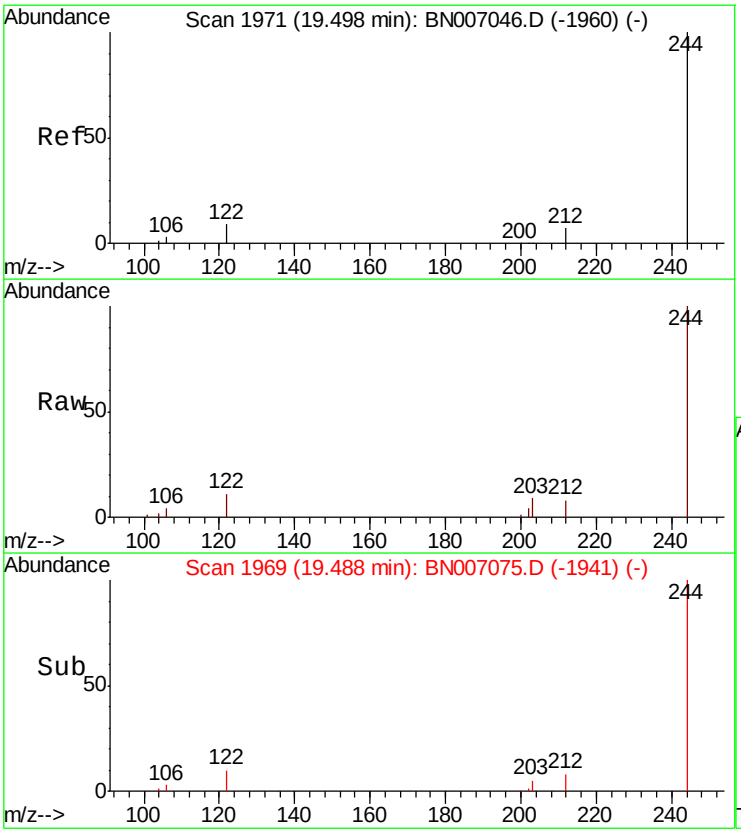
#27
Pyrene
Concen: 0.858 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 177529

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	21.1	14.0	21.0#

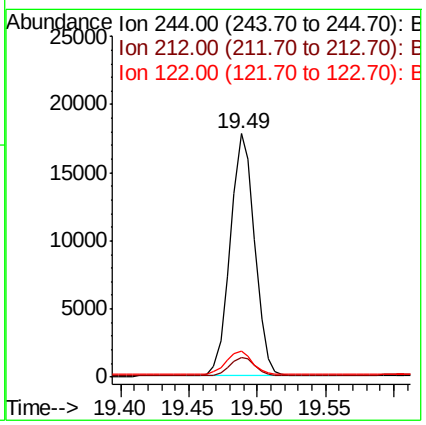


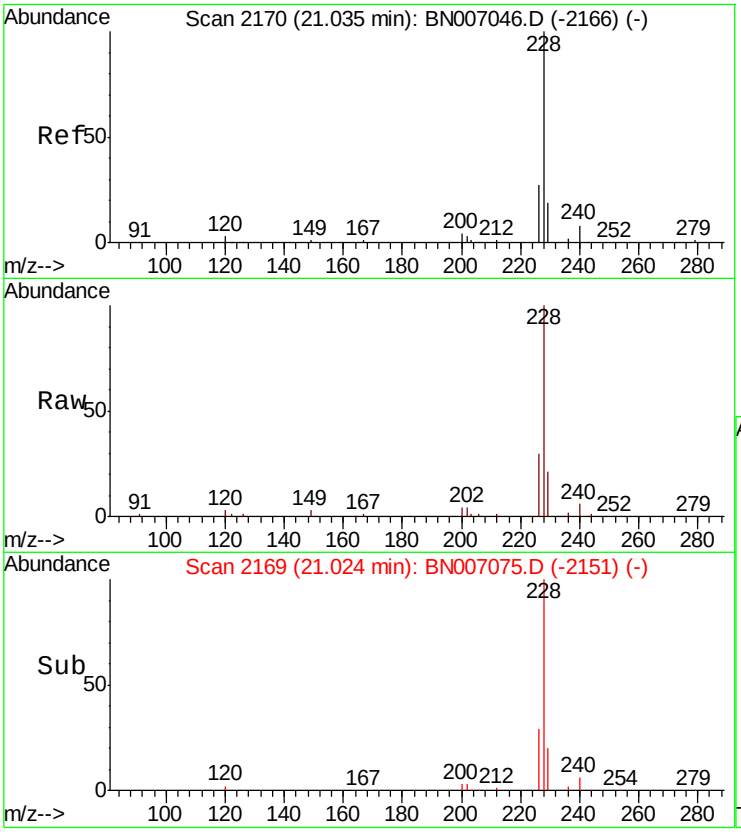


#28
Terphenyl-d14
Concen: 0.137 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:244 Resp: 21981

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	10.7	7.4	11.2



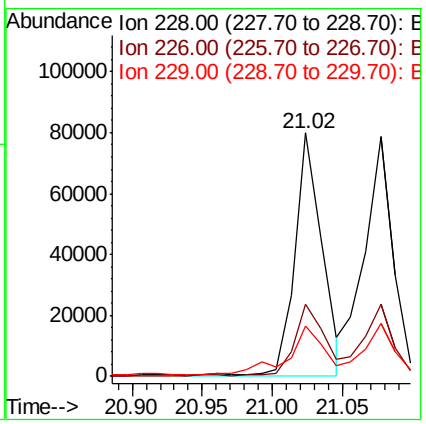


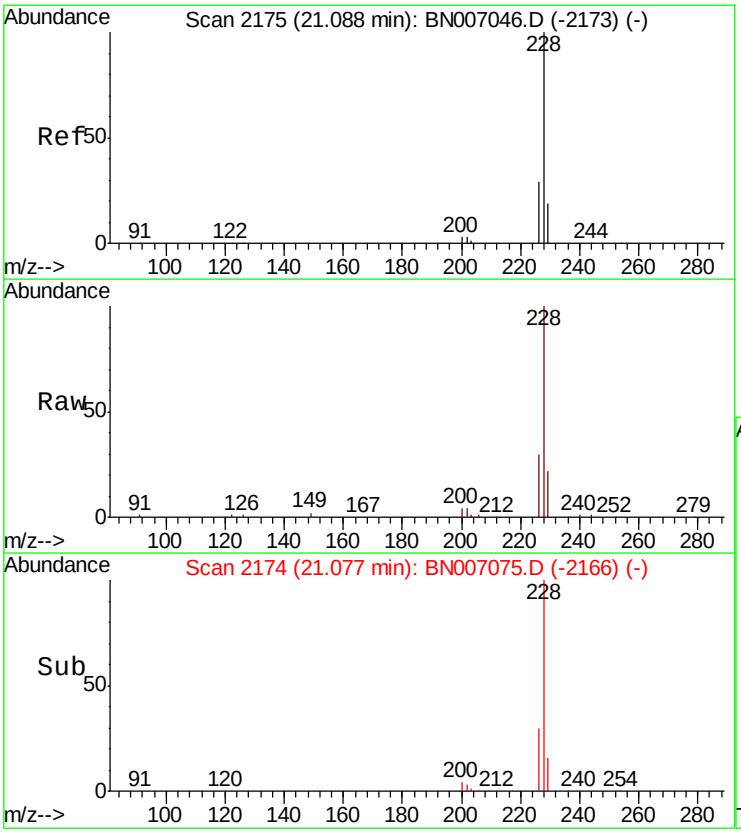
#29
Benzo(a)anthracene
Concen: 0.496 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 106964

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.6
229	20.6	15.6	23.4

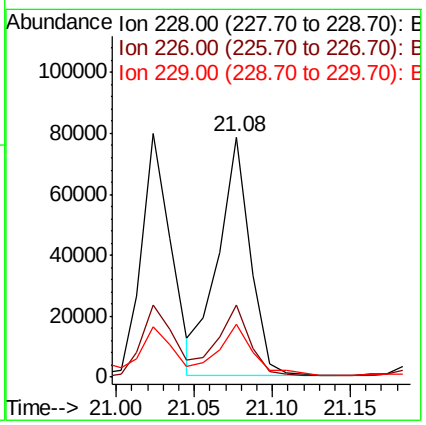


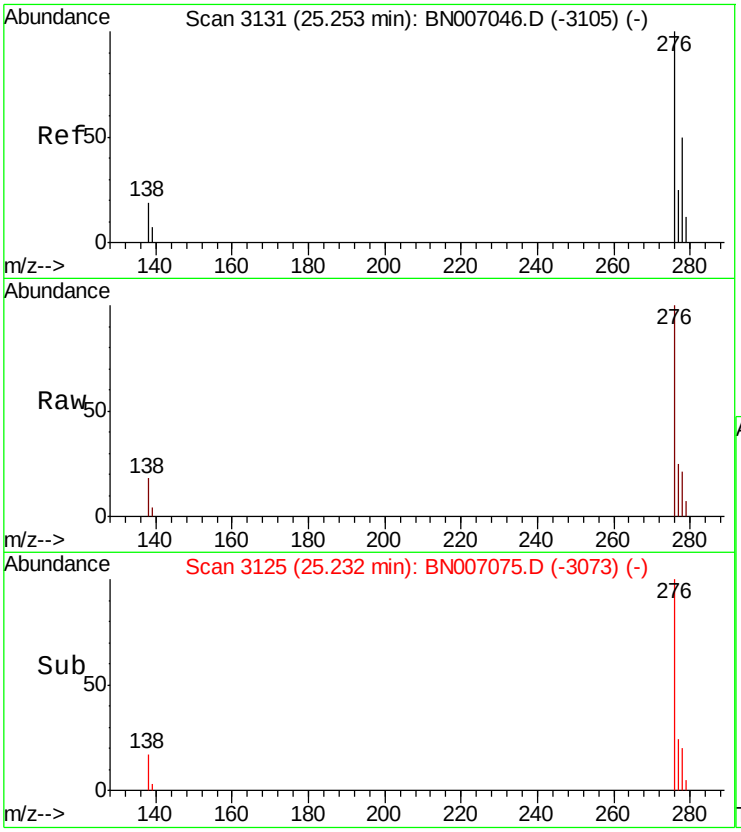


#30
Chrysene
Concen: 0.532 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:228 Resp: 111433

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	22.0	15.7	23.5



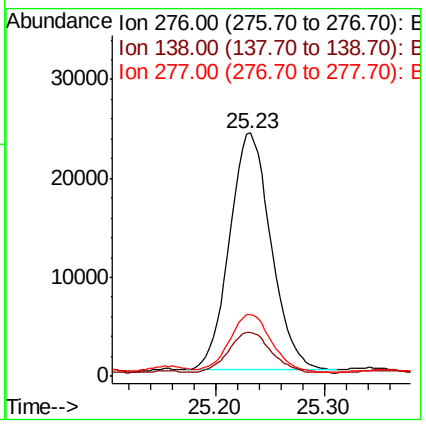


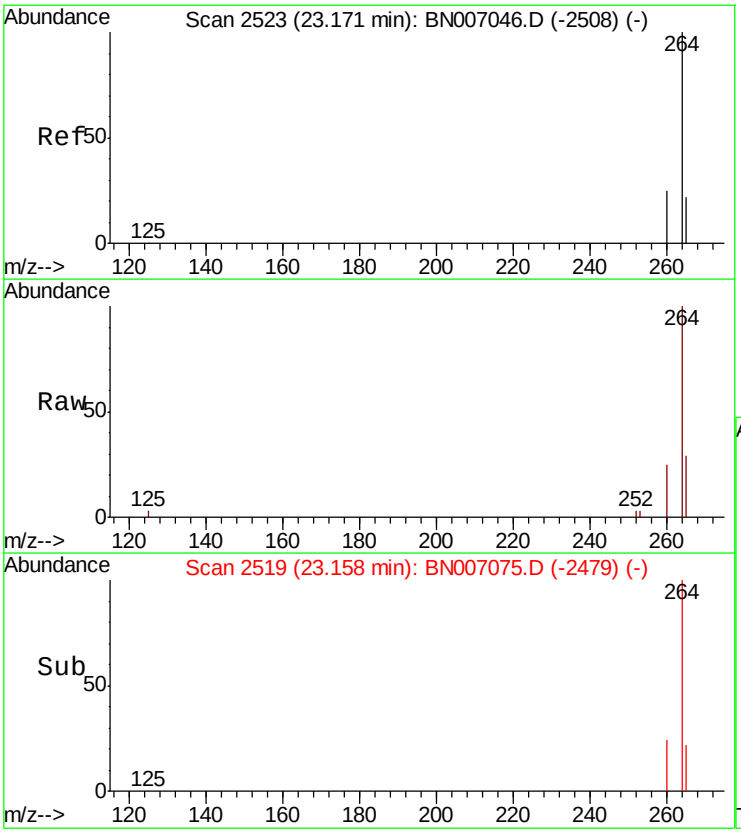
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.275 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 63570

Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.0	24.0
277	24.8	19.9	29.9

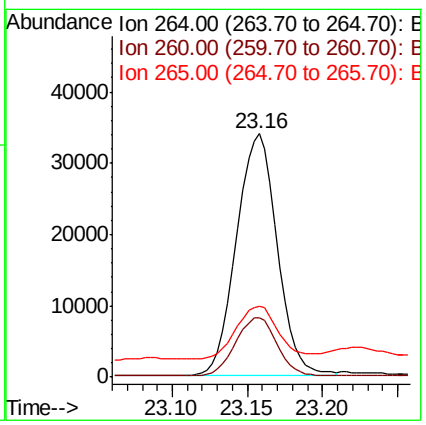


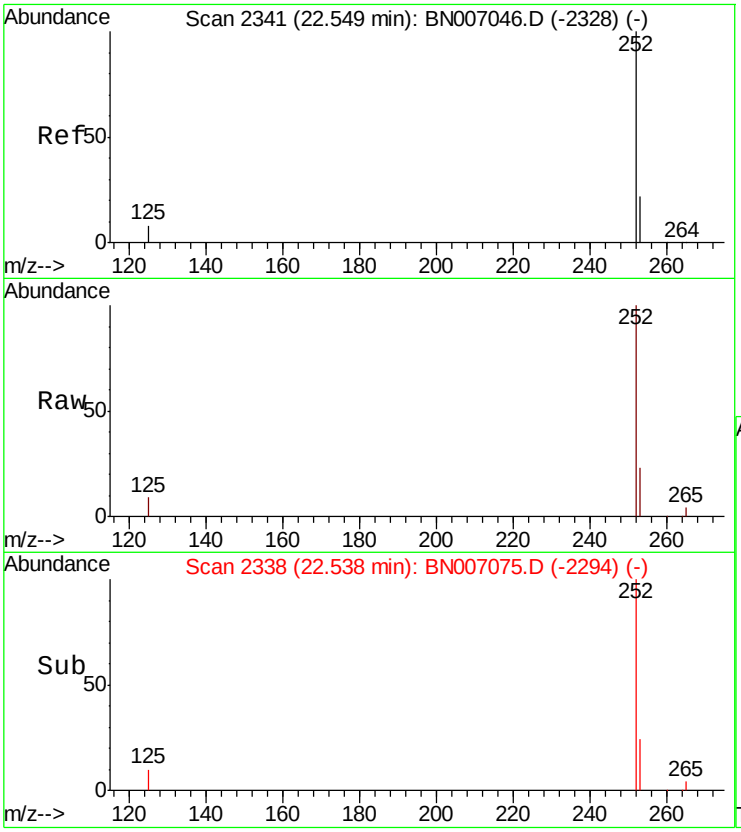


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:264 Resp: 62812

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	29.3	26.2	39.4



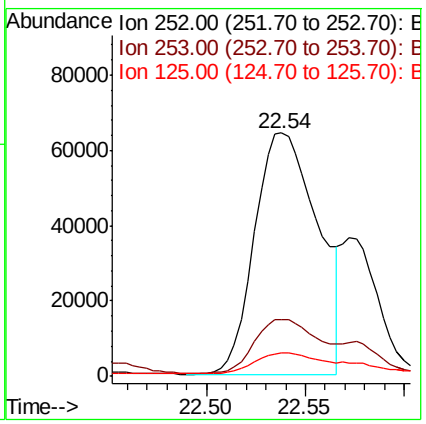


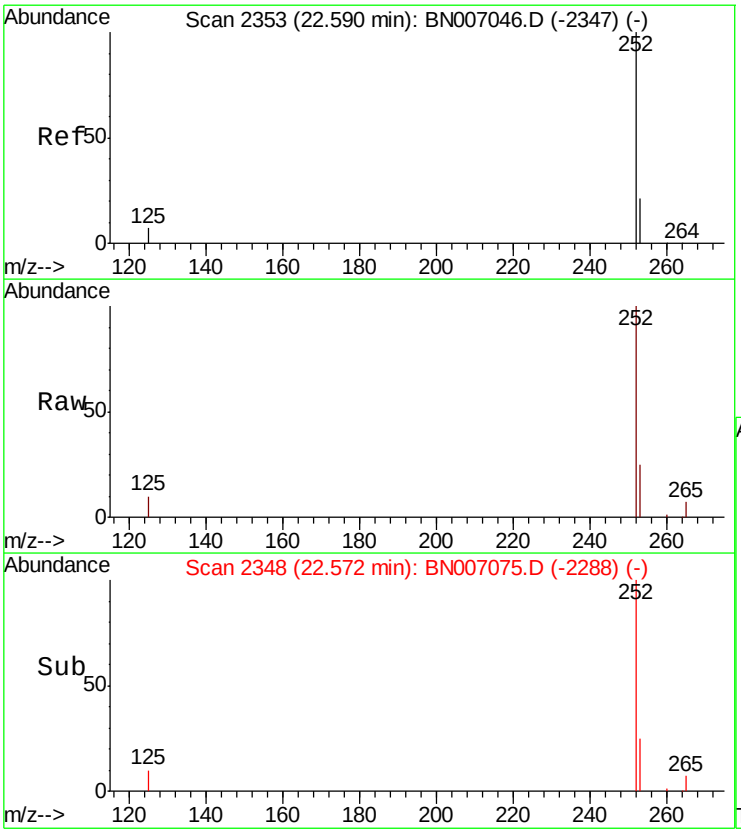
#33
Benzo(b)fluoranthene
Concen: 0.661 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 142458

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.5	7.4	11.0

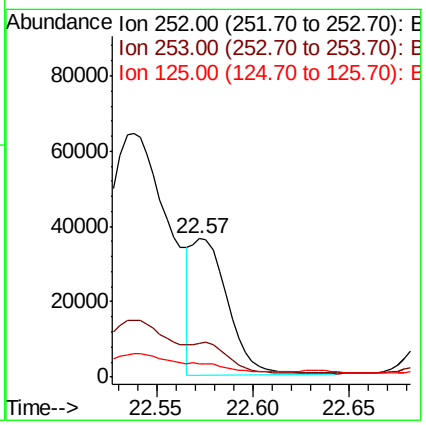


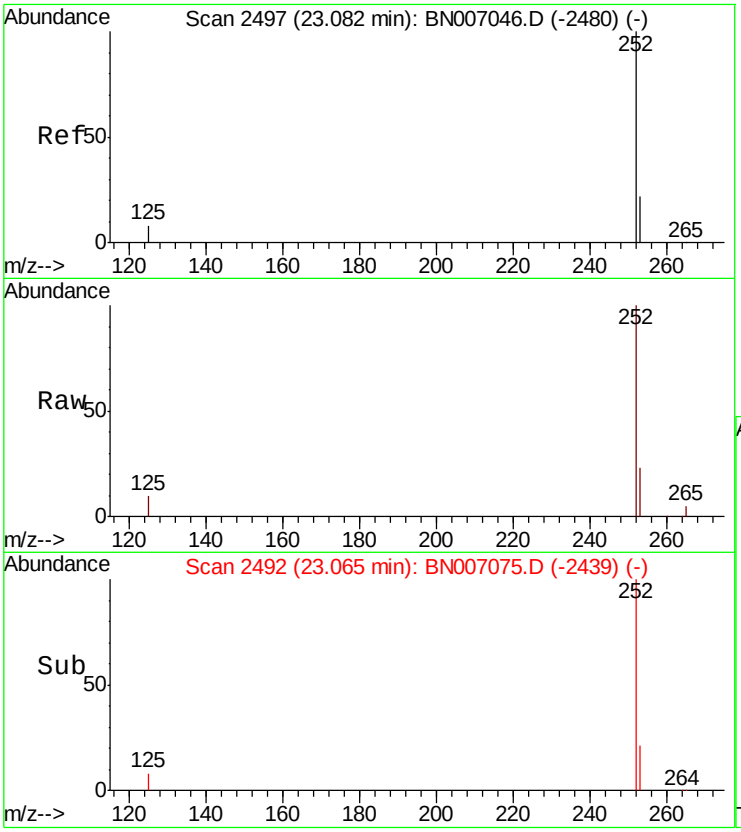


#34
Benzo(k)fluoranthene
Concen: 0.224 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:252 Resp: 47598

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	9.9	7.4	11.0



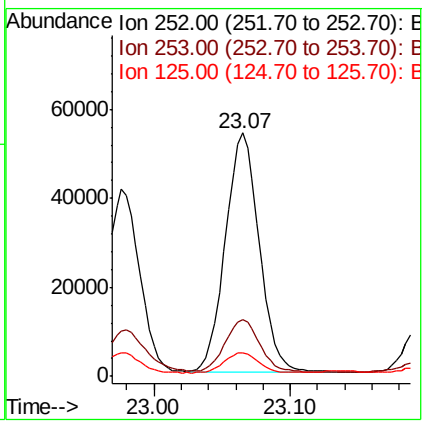


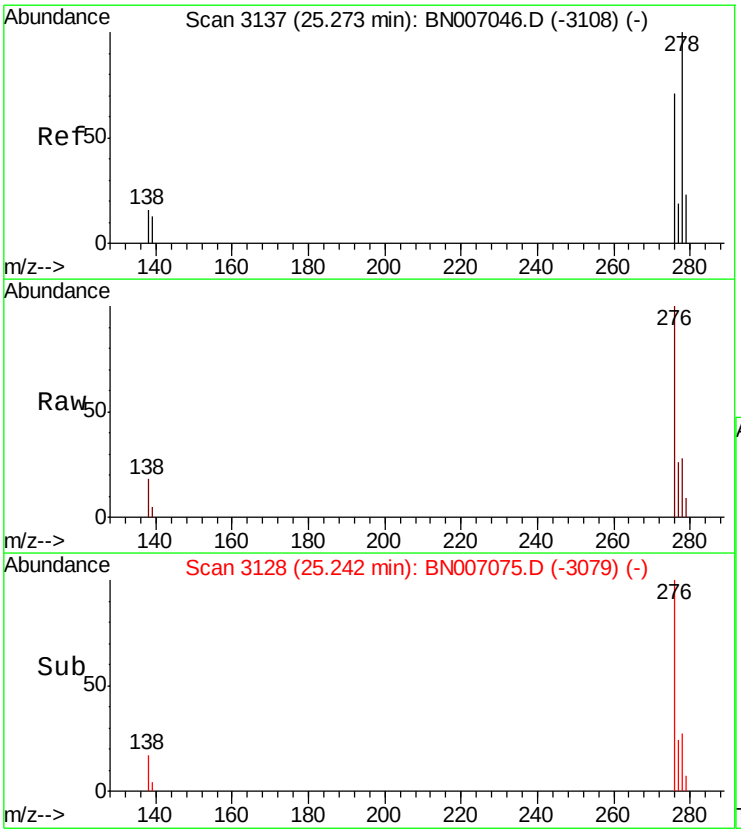
#35
Benzo(a)pyrene
Concen: 0.472 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 92190

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	9.8	8.2	12.4

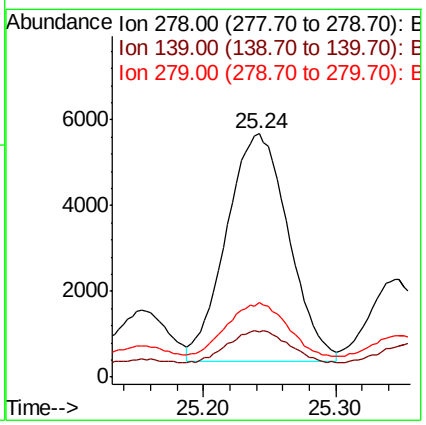


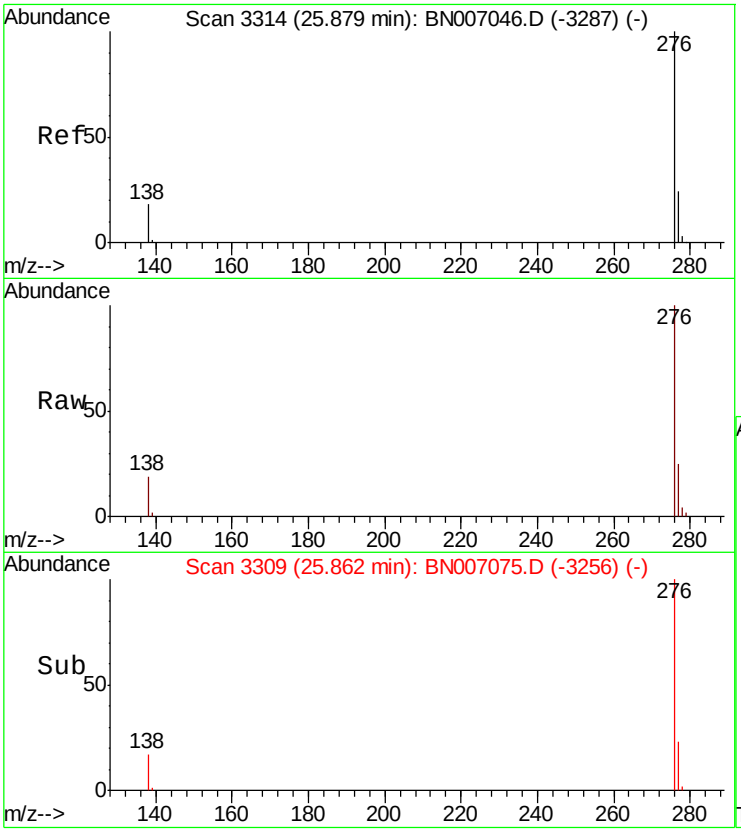


#36
Dibenzo(a,h)anthracene
Concen: 0.089 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:278 Resp: 17366

Ion	Ratio	Lower	Upper
278	100		
139	18.7	11.3	16.9#
279	30.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 0.322 ng
RT: 25.86 min Scan# 3309
Delta R.T. -0.02 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 64583

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	18.6	14.6	22.0