Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN081019\
Data File : BN007074.D
Acq On : 11 Aug 2019 07:24
Operator : HP/JU
Sample : K4144-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 12 06:34:36 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	9875	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37756	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21505	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	53416	0.40	ng		0.00
26) Chrysene-d12	21.05	240	55951	0.40	ng		-0.01
32) Perylene-d12	23.16	264	63432	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	4106	0.17	ng		0.00
4) Phenol-d6	6.61	99	5788	0.20	ng		0.00
7) Nitrobenzene-d5	8.56	82	4818	0.16	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	11910	0.17	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	1860	0.16	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	4062	0.13	ng		0.00
24) Fluoranthene-d10	18.87	212	31781	0.17	ng		0.00
28) Terphenyl-d14	19.49	244	24506	0.16	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.24	128	2849	0.027	ng	#	92
15) Acenaphthylene	13.79	152	15120	0.135	ng		99
22) Phenanthrene	16.87	178	51459	0.321	ng		100
23) Anthracene	16.95	178	13209	0.090	ng		98
25) Fluoranthene	18.90	202	139859	0.683	ng		100
27) Pyrene	19.26	202	133157	0.679	ng		98
29) Benzo(a)anthracene	21.02	228	54700m	0.267	ng		
30) Chrysene	21.08	228	85739	0.431	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	69707	0.318	ng		97
33) Benzo(b)fluoranthene	22.53	252	143981	0.662	ng		100
34) Benzo(k)fluoranthene	22.57	252	48570m	0.226	ng		
35) Benzo(a)pyrene	23.07	252	65720	0.333	ng		100
36) Dibenzo(a,h)anthracene	25.24	278	14947	0.076	ng	#	84
37) Benzo(g,h,i)perylene	25.86	276	73141	0.361	ng		99

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

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 21 Sample Multiplier: 1

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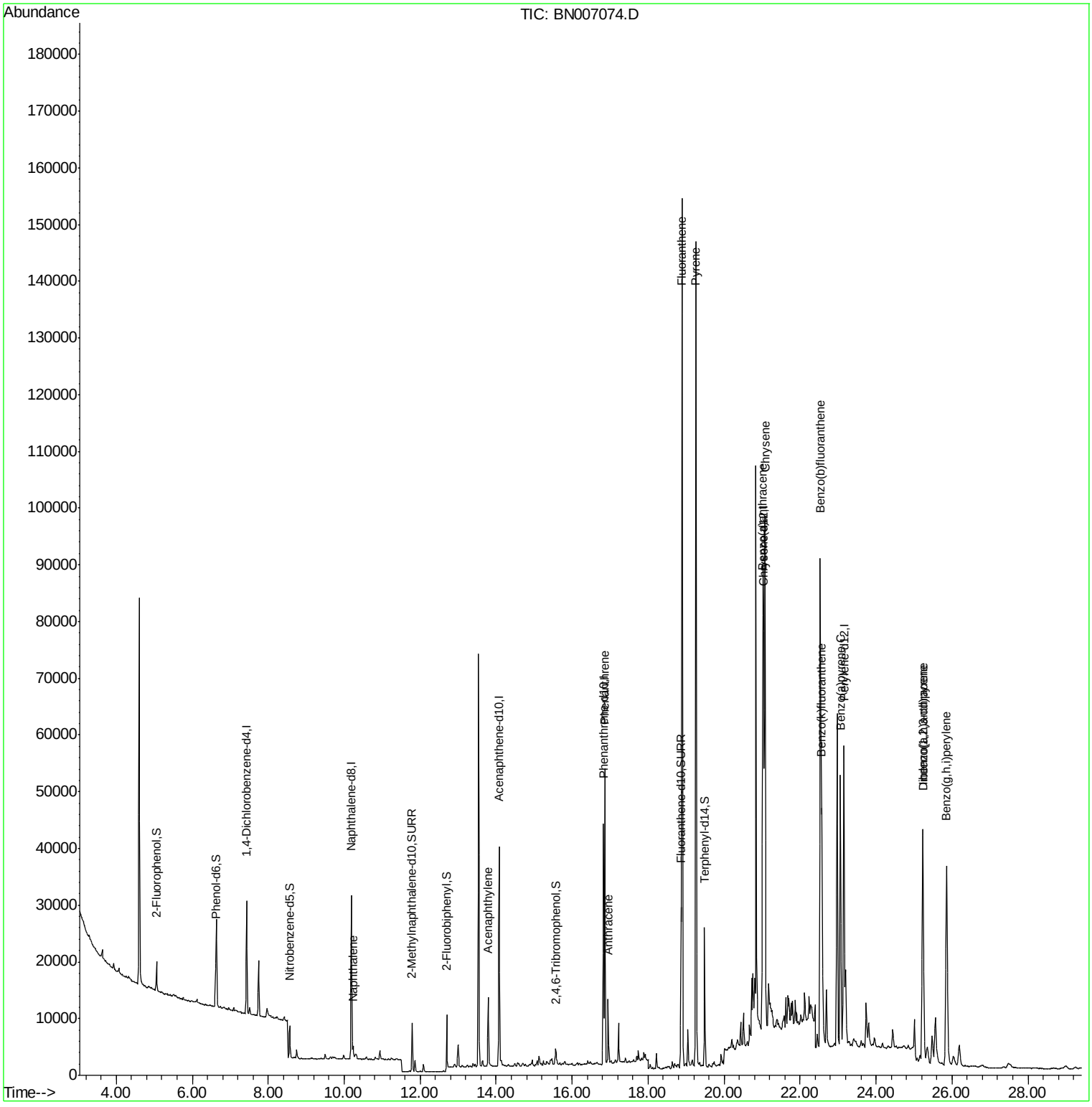
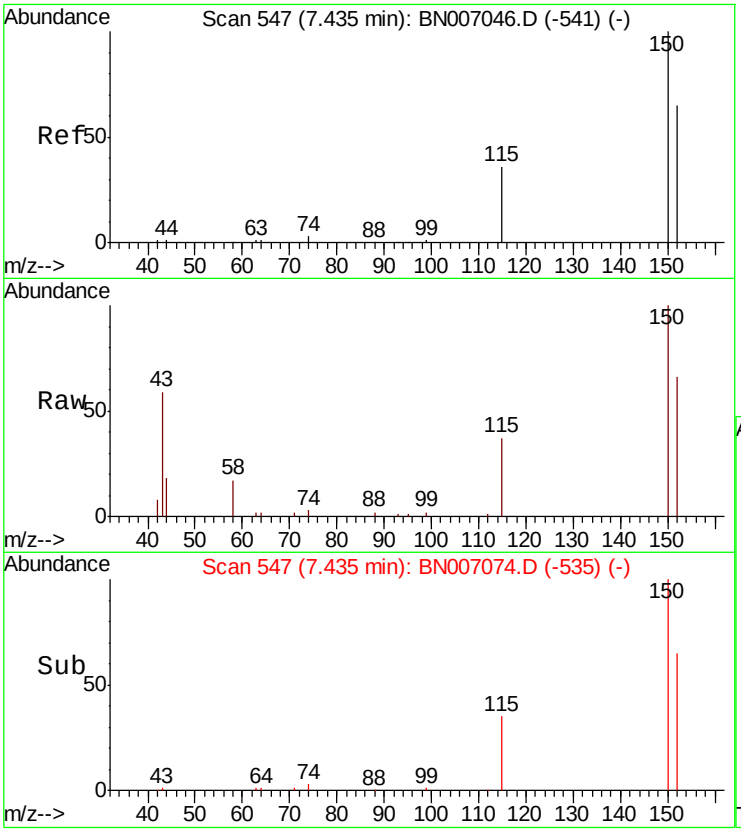
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



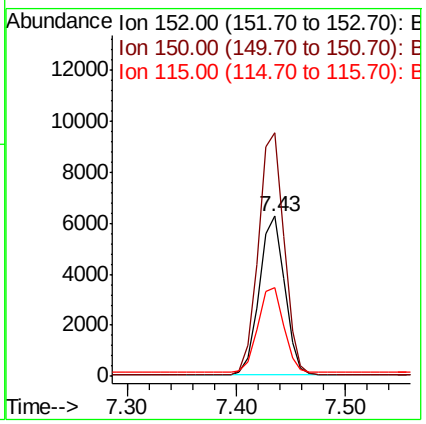


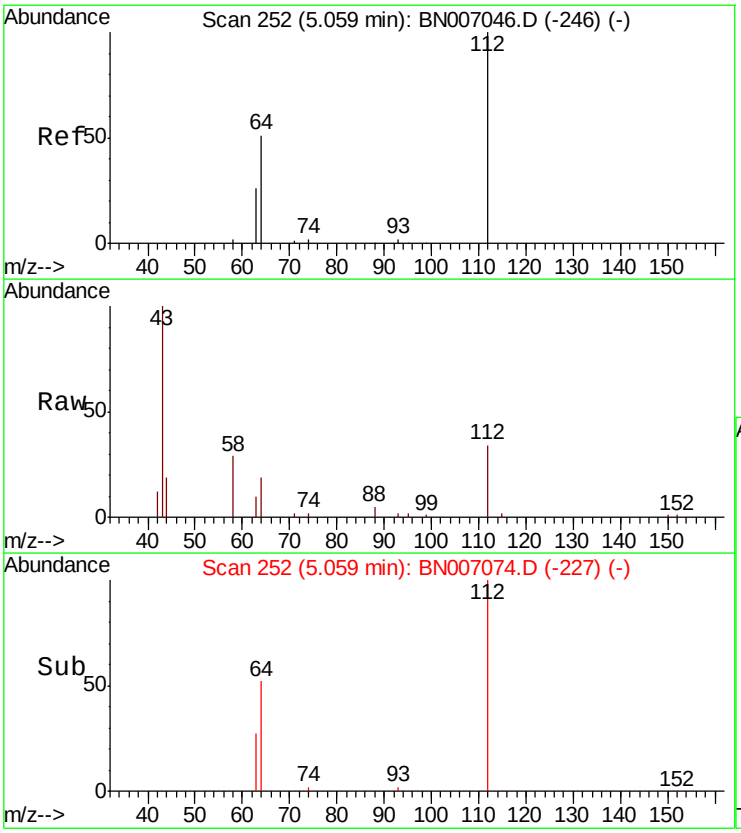
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 9875

Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.7	182.5
115	55.5	46.2	69.4

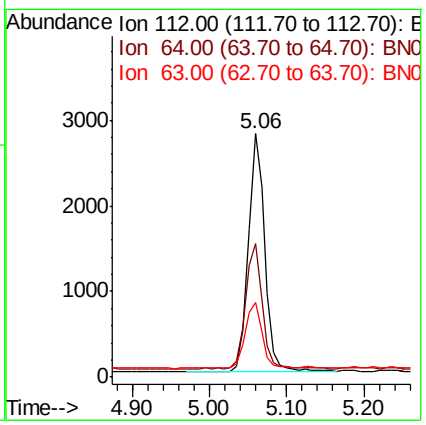


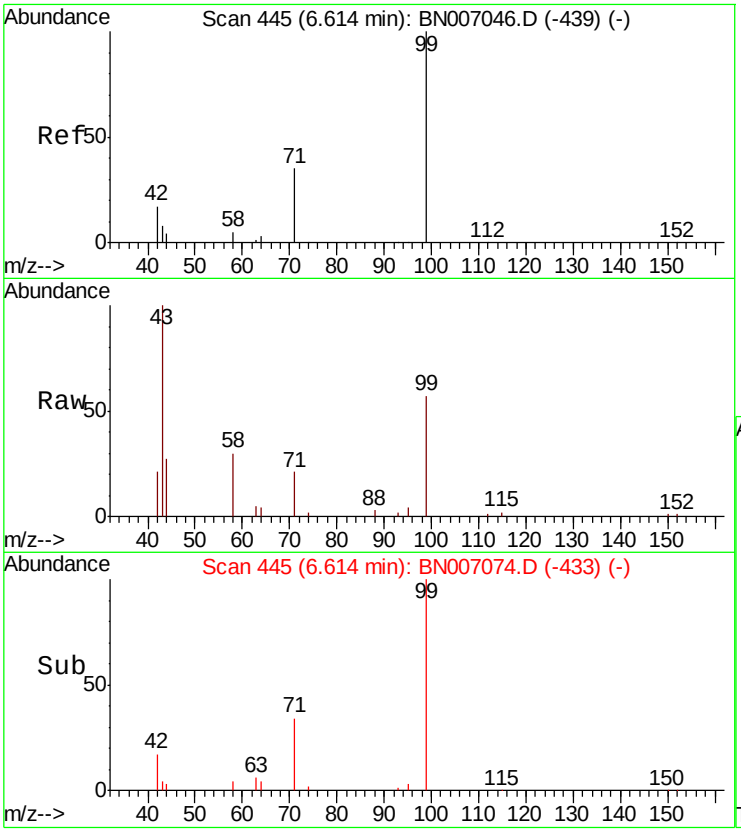


#3
2-Fluorophenol
Concen: 0.173 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:112 Resp: 4106

Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	63.8
63	27.8	22.2	33.2



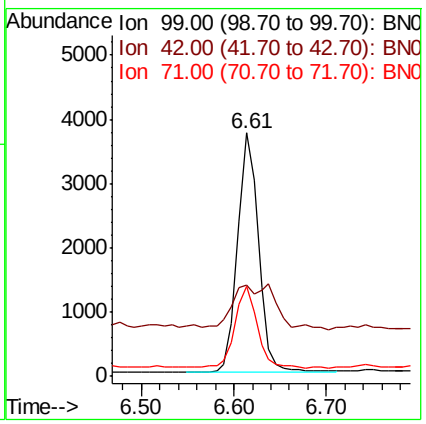


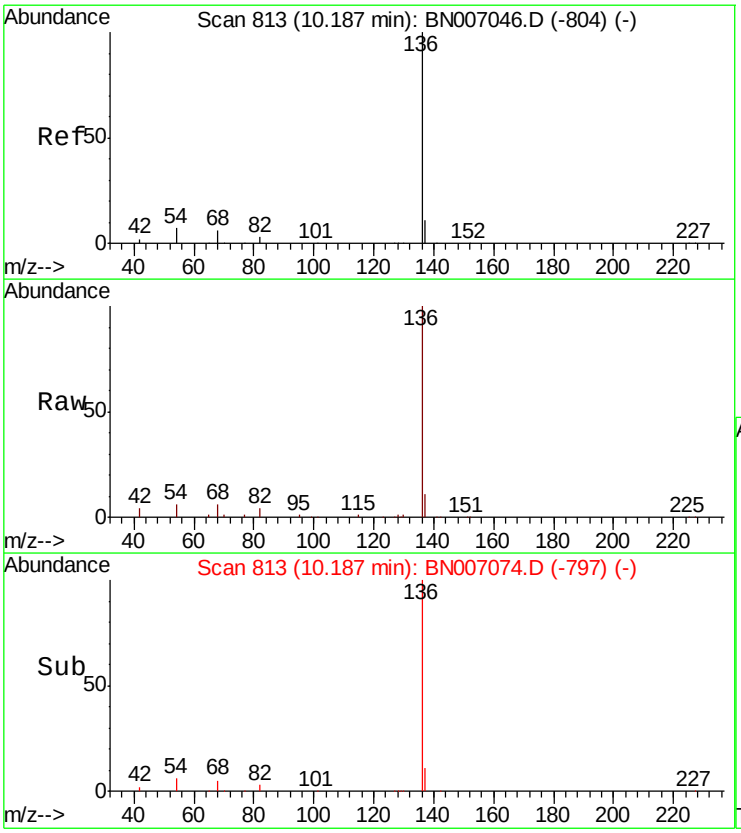
#4
Phenol-d6
Concen: 0.197 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 5788

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	35.9	27.0	40.4

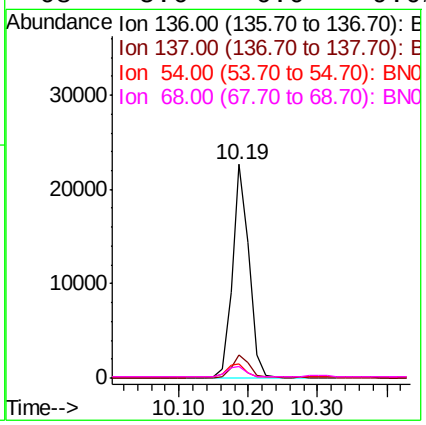


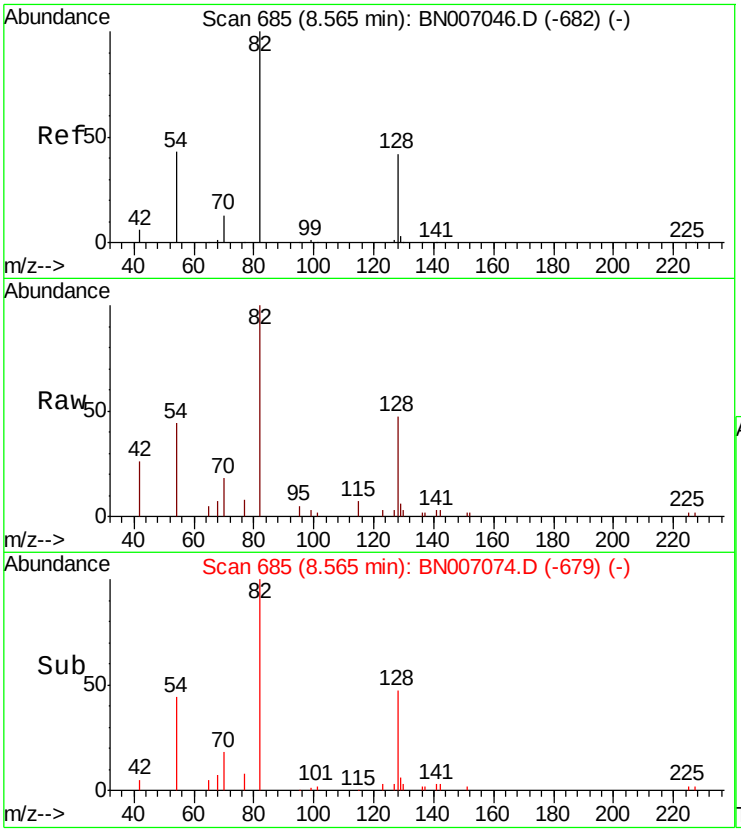


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. 0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:136 Resp: 37756

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.4	14.0
54	6.5	6.6	9.8#
68	5.6	6.0	9.0#



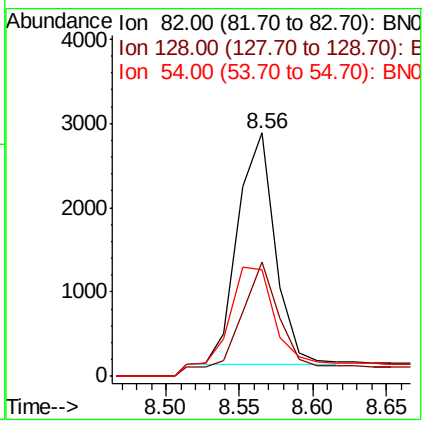


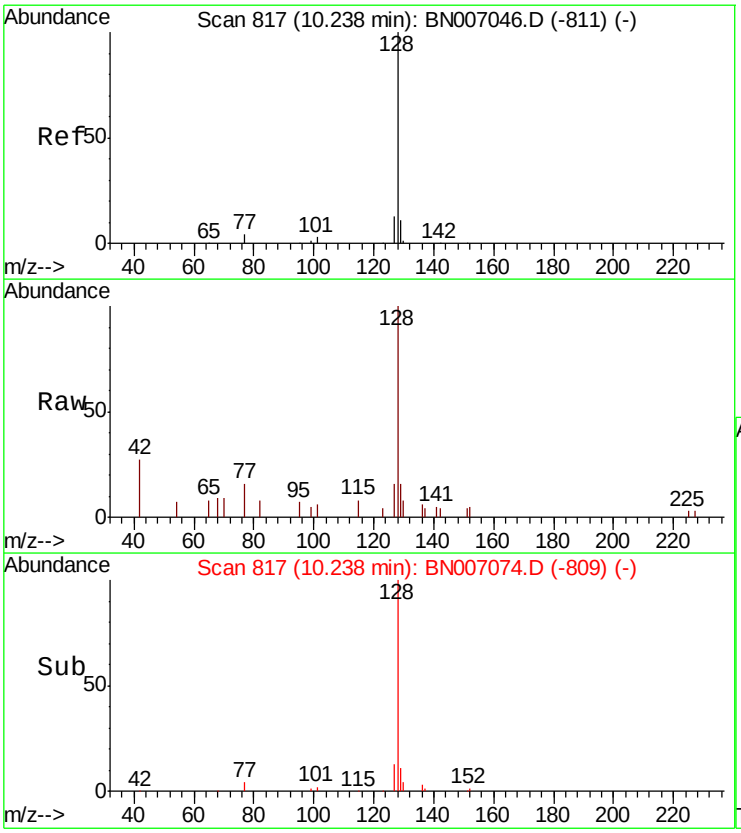
#7
Nitrobenzene-d5
Concen: 0.158 ng
RT: 8.56 min Scan# 685
Delta R.T. 0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 4818

Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.6	51.8
54	43.6	36.2	54.4

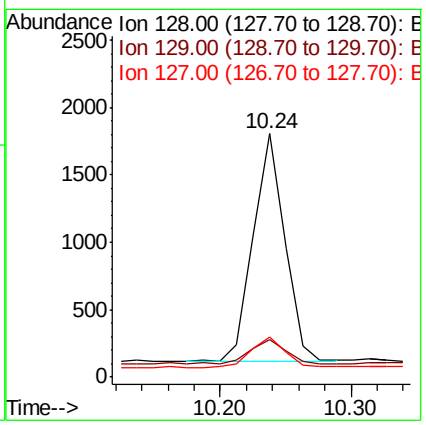


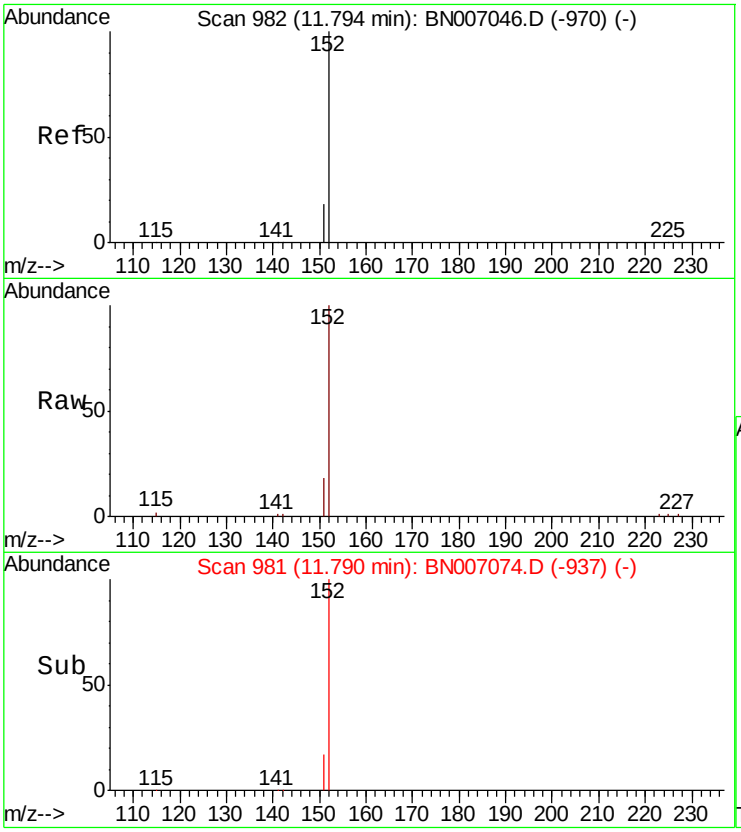


#8
Naphthalene
Concen: 0.027 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:128 Resp: 2849

Ion	Ratio	Lower	Upper
128	100		
129	15.7	9.4	14.2#
127	16.2	11.0	16.6



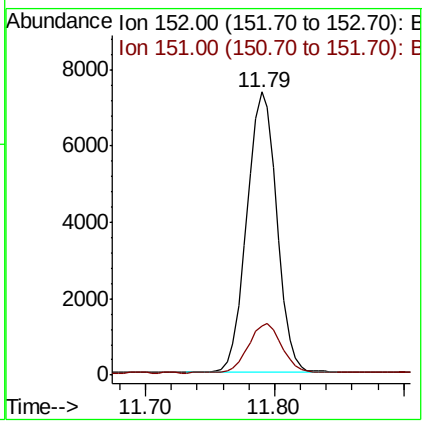


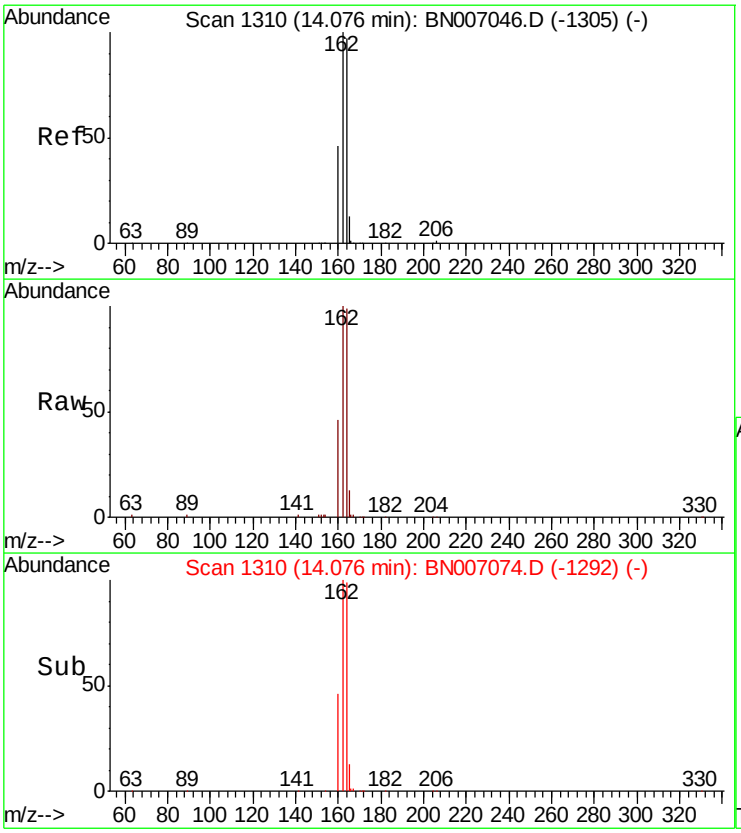
#10
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 11910

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3

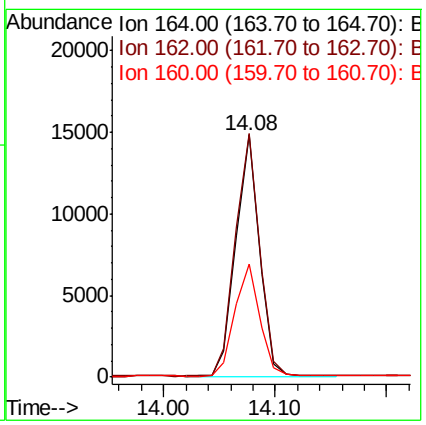


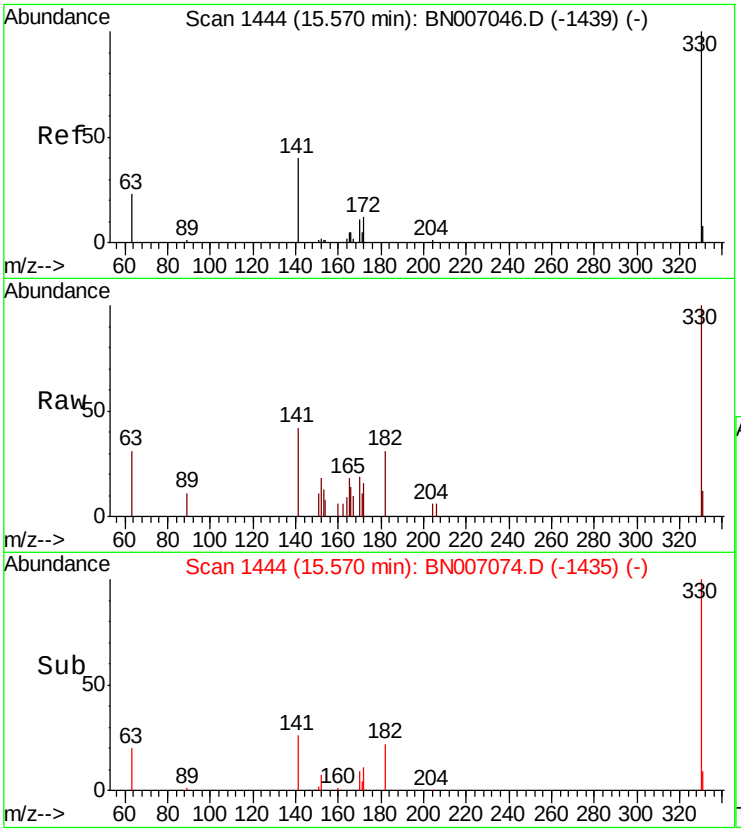


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:164 Resp: 21505

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.4
160	46.6	38.3	57.5



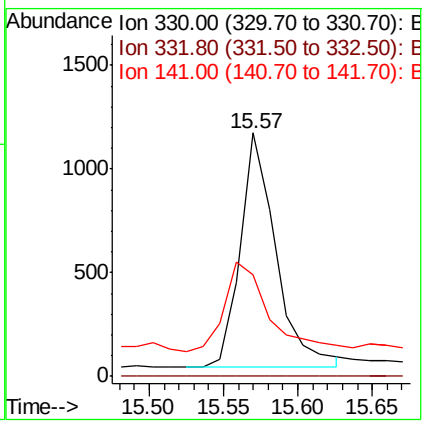


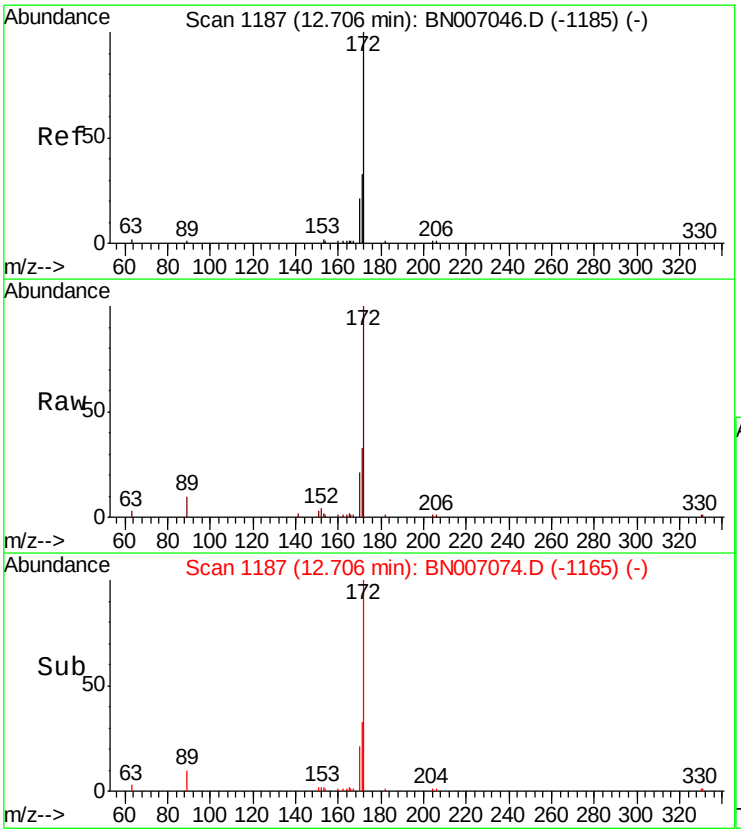
#13
2,4,6-Tribromophenol
Concen: 0.161 ng
RT: 15.57 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 1860

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.9	33.6	50.4

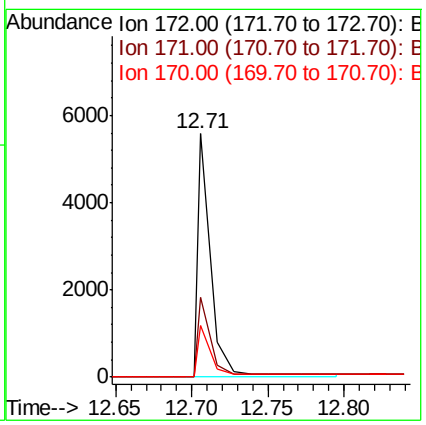


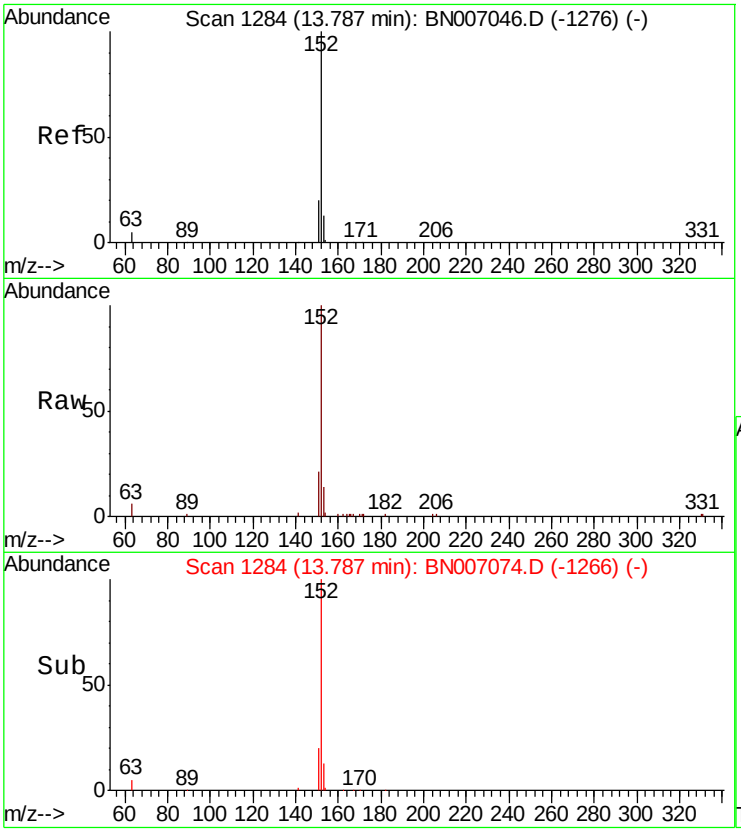


#14
2-Fluorobiphenyl
Concen: 0.130 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:172 Resp: 4062

Ion	Ratio	Lower	Upper
172	100		
171	33.0	26.3	39.5
170	21.1	17.0	25.4



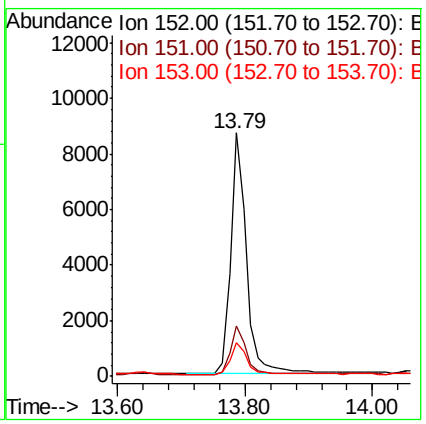


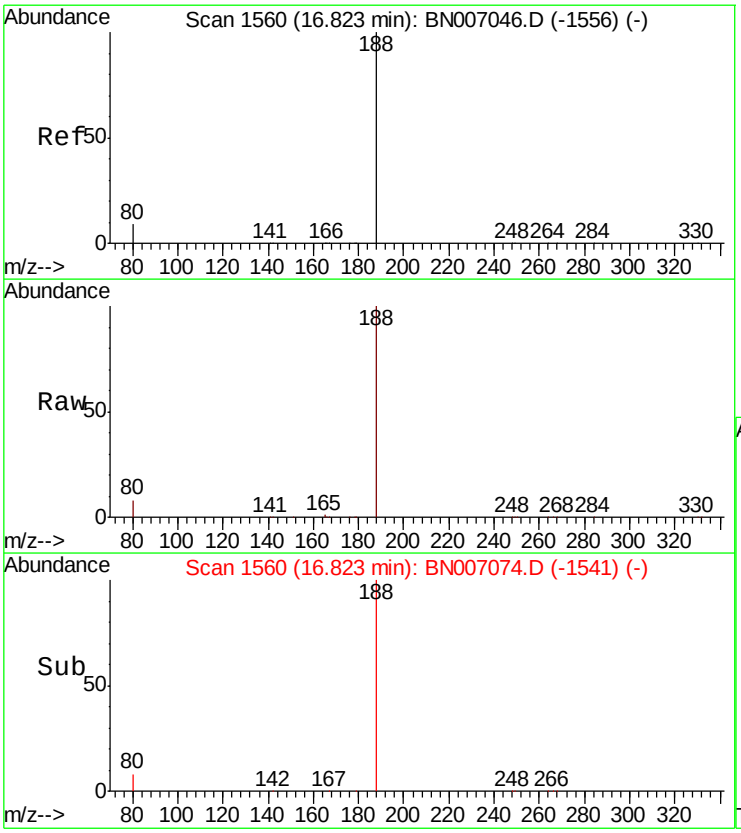
#15
Acenaphthylene
Concen: 0.135 ng
RT: 13.79 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 15120

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	13.4	10.4	15.6

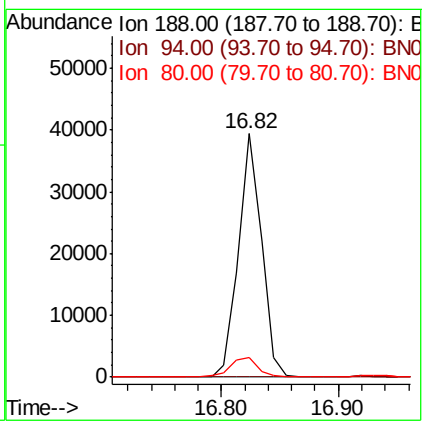


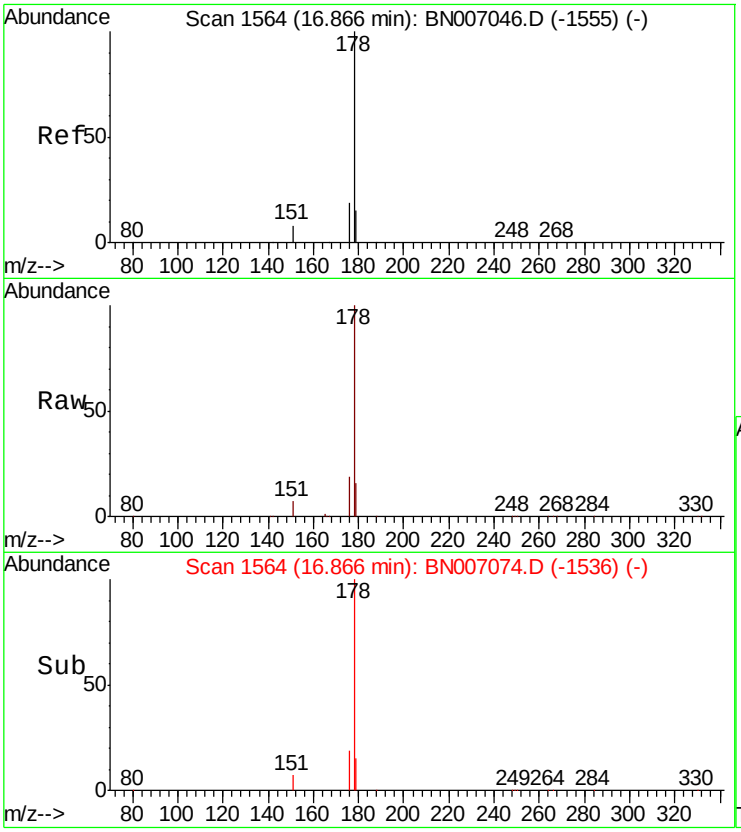


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:188 Resp: 53416

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	7.8	11.6



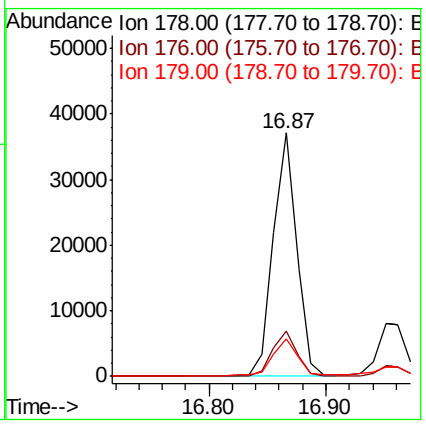


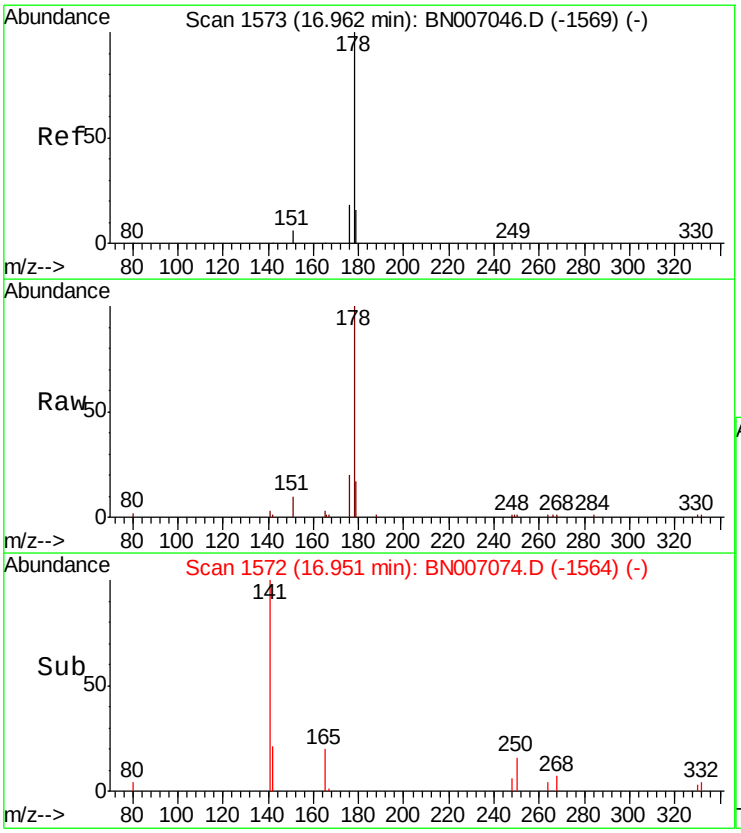
#22
Phenanthrene
Concen: 0.321 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 51459

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.3	18.5

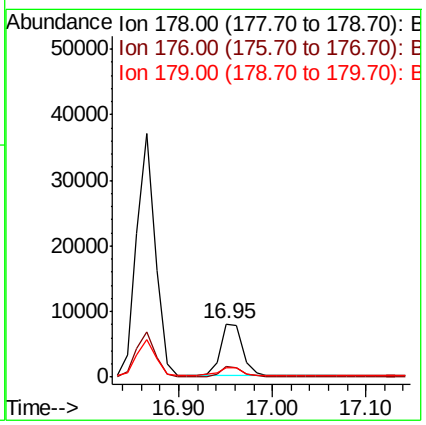


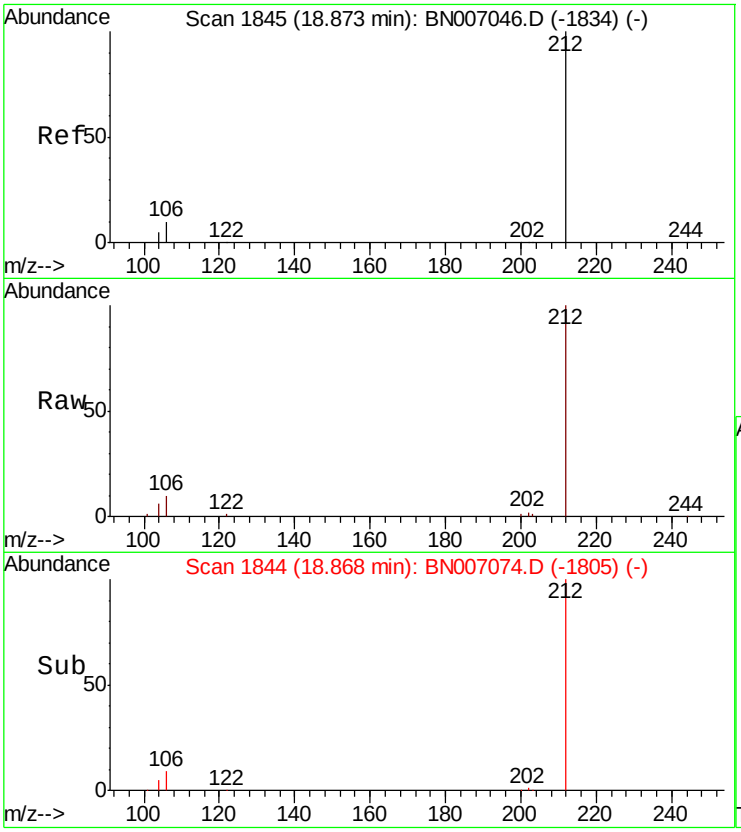


#23
Anthracene
Concen: 0.090 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:178 Resp: 13209

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.5	12.5	18.7



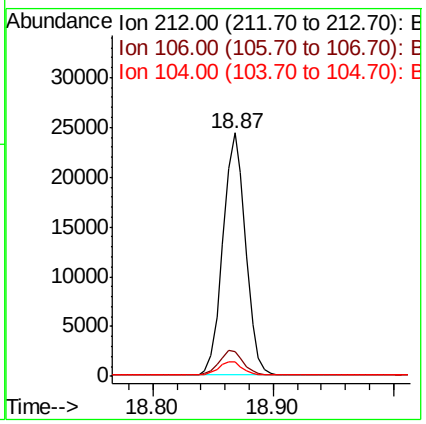


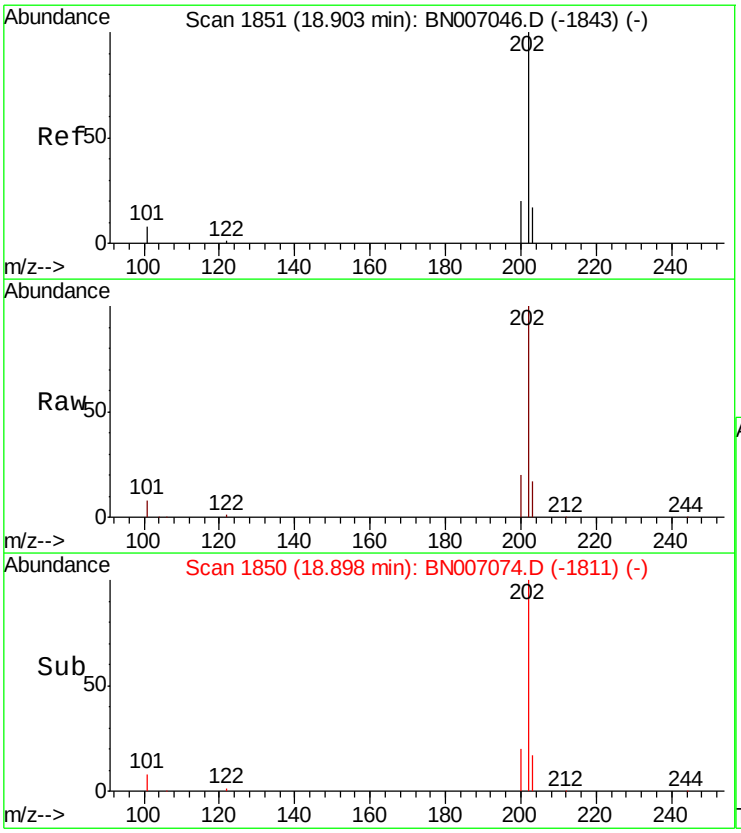
#24
Fluoranthene-d10
Concen: 0.168 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:212 Resp: 31781

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.7	4.5	6.7

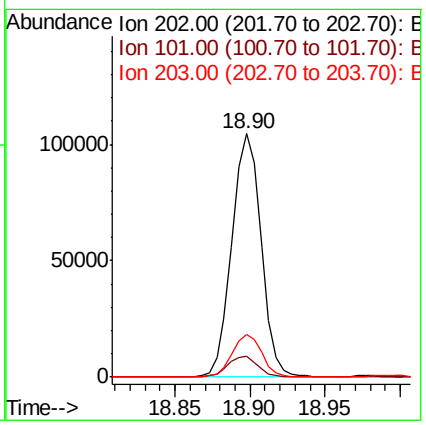


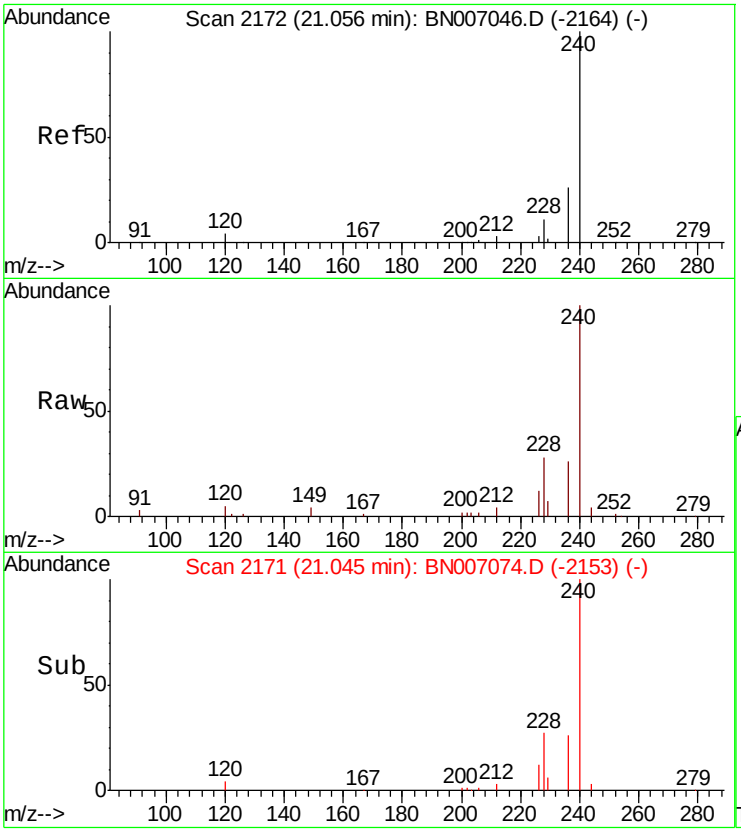


#25
Fluoranthene
Concen: 0.683 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:202 Resp: 139859

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
203	17.3	13.8	20.8



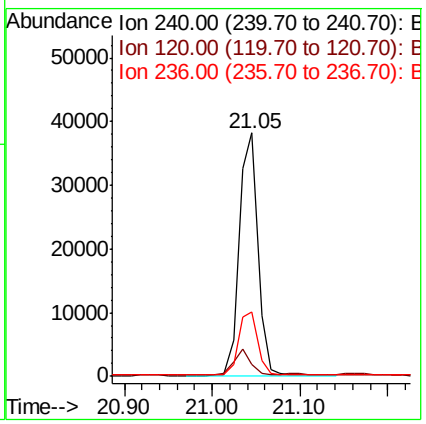


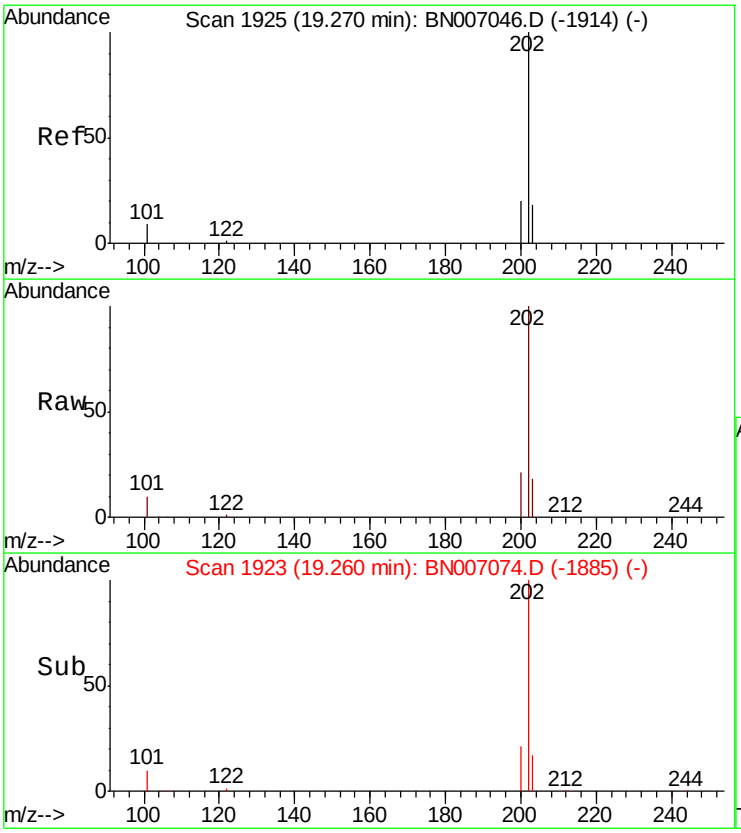
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 55951

Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.0	6.0
236	26.4	21.3	31.9

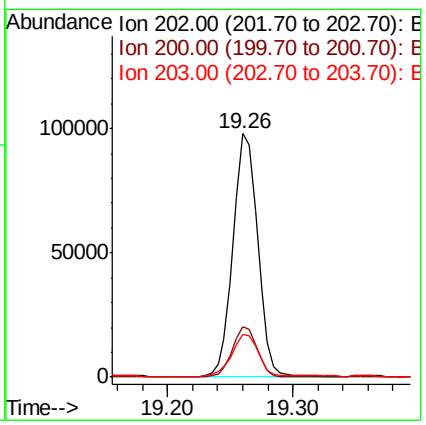


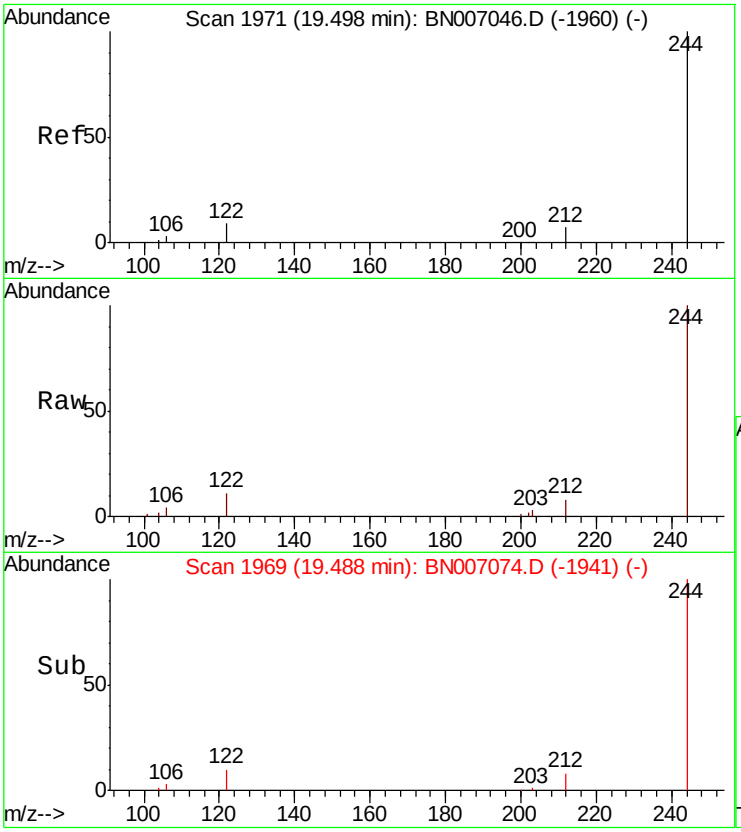


#27
Pyrene
Concen: 0.679 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:202 Resp: 133157

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	19.2	14.0	21.0



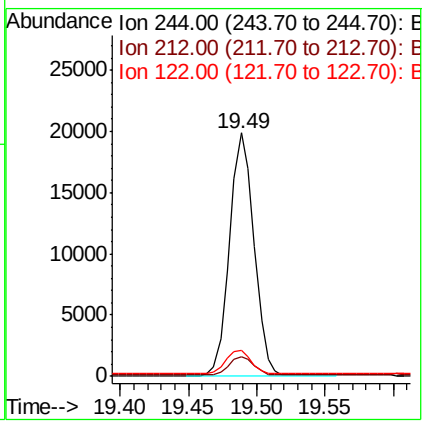


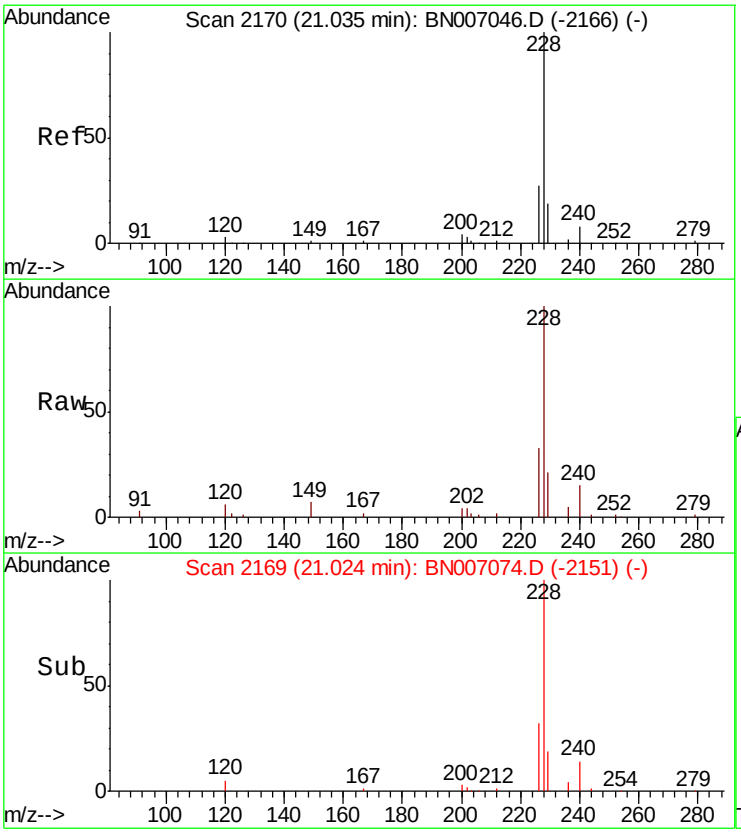
#28
Terphenyl-d14
Concen: 0.161 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 24506

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	10.6	7.4	11.2

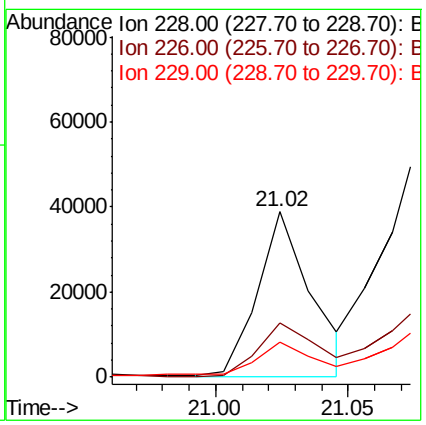


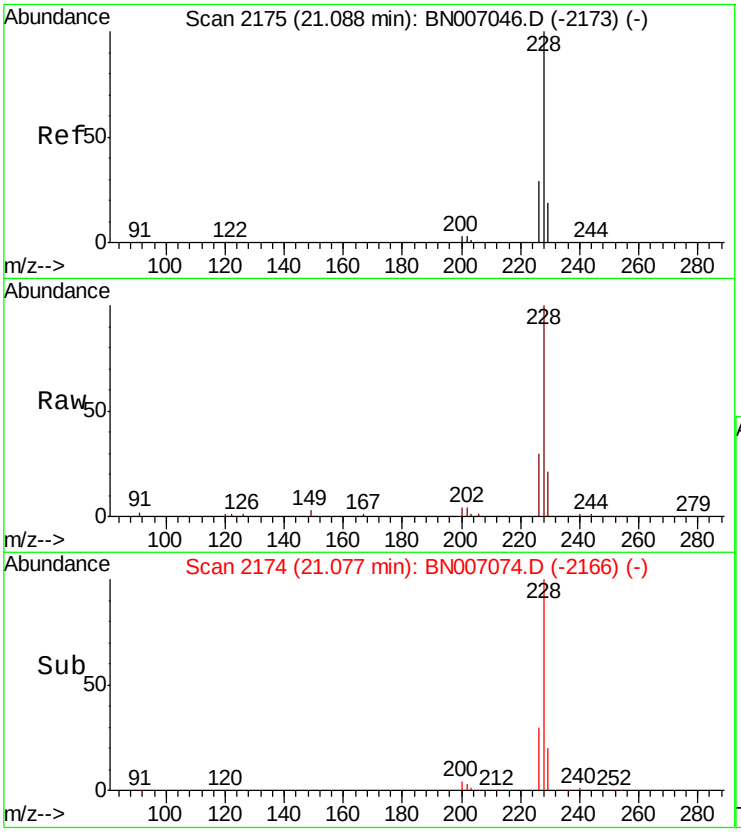


#29
Benzo(a)anthracene
Concen: 0.267 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:228 Resp: 54700

Ion	Ratio	Lower	Upper
228	100		
226	32.9	21.8	32.6#
229	20.9	15.6	23.4



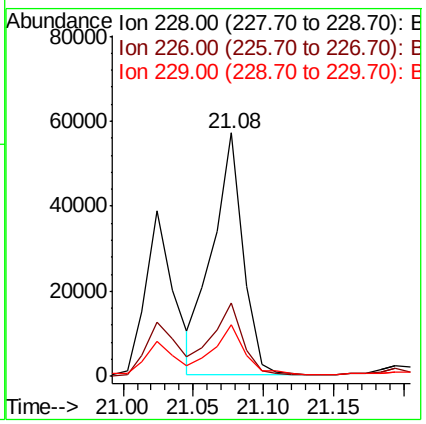


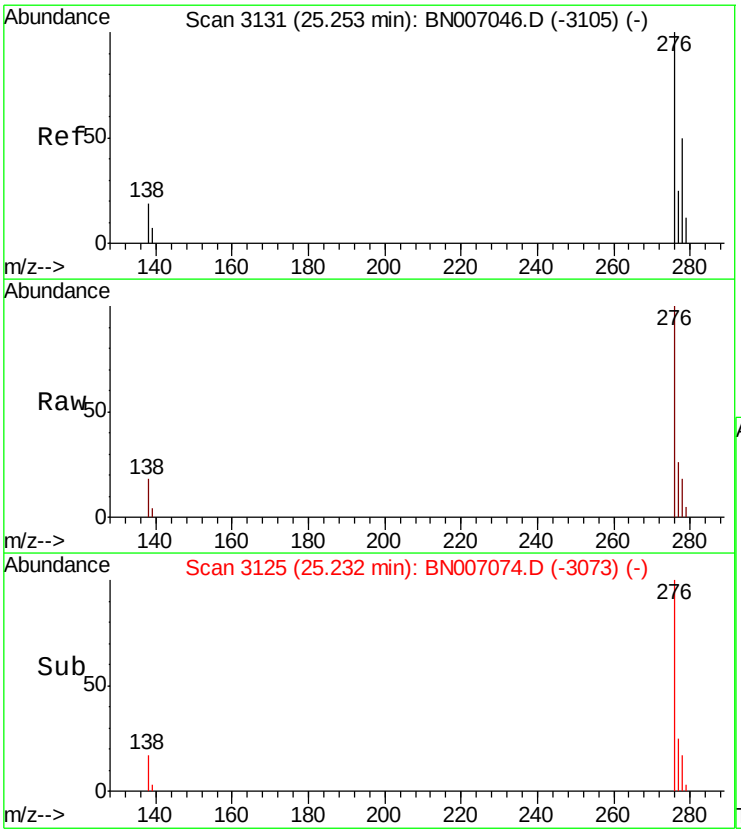
#30
Chrysene
Concen: 0.431 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 85739

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.3	15.7	23.5

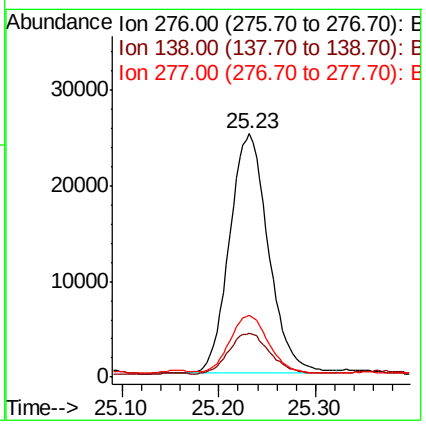


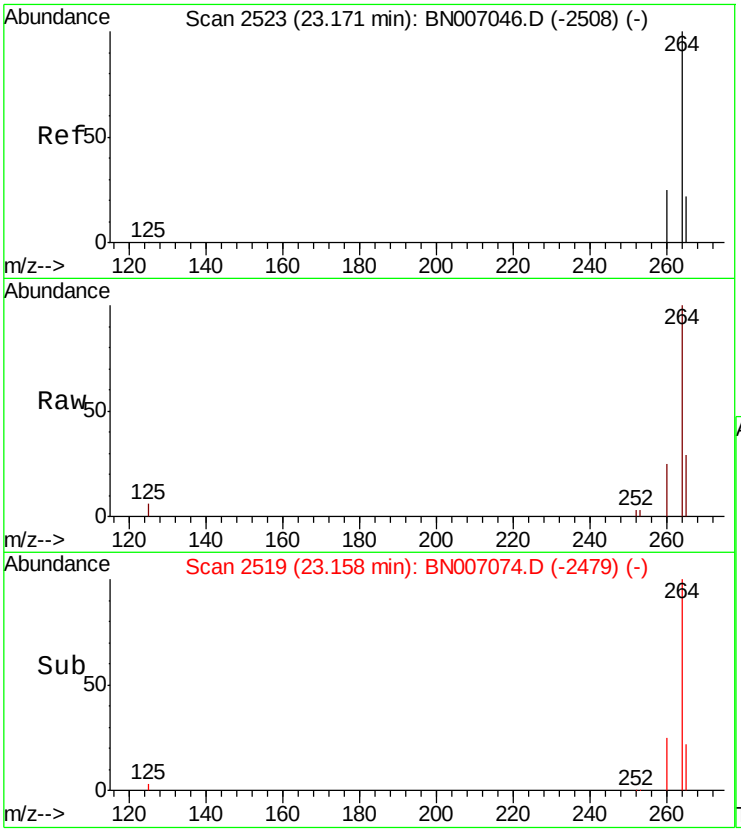


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.318 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:276 Resp: 69707

Ion	Ratio	Lower	Upper
276	100		
138	18.0	16.0	24.0
277	24.2	19.9	29.9



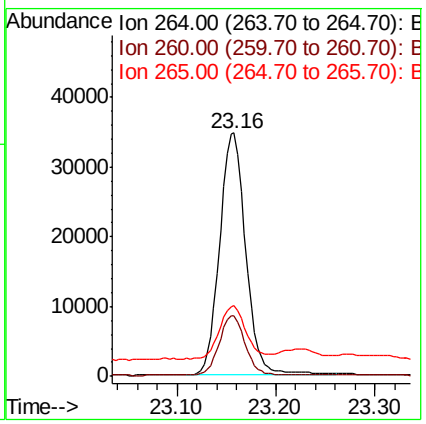


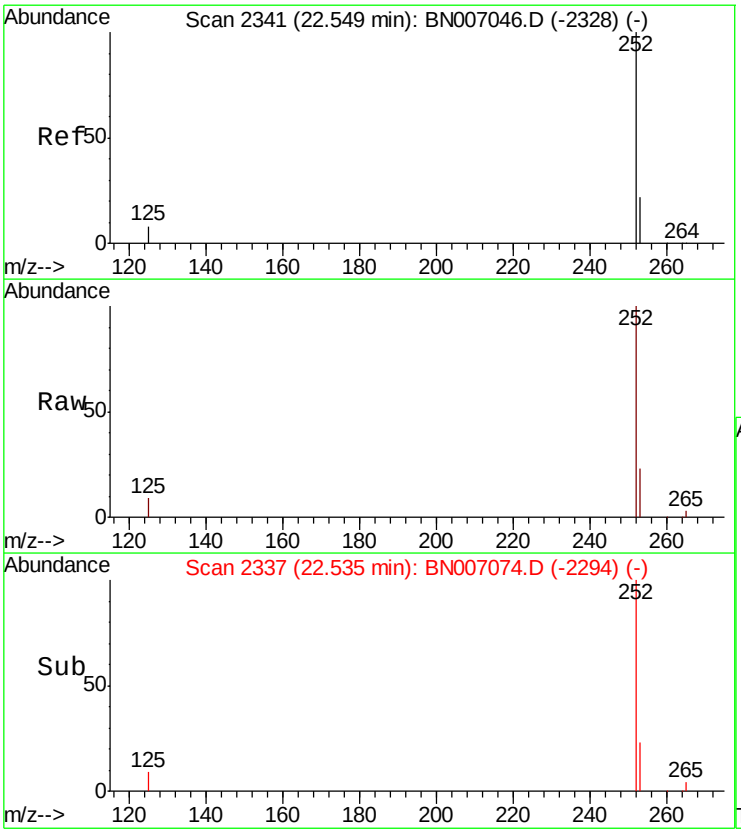
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 63432

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	28.8	26.2	39.4

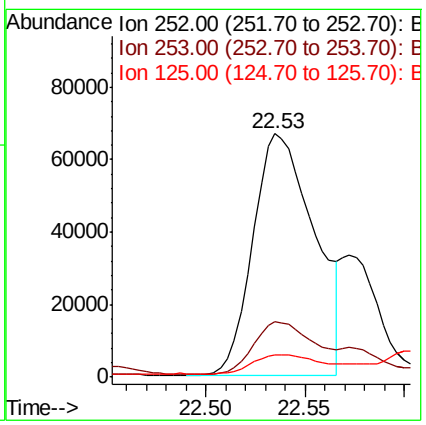


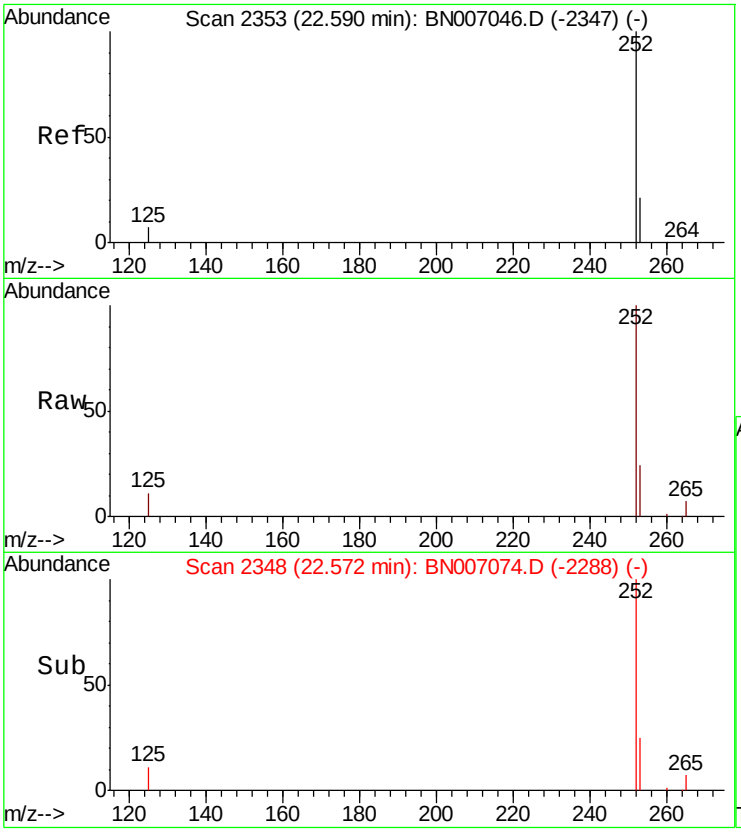


#33
Benzo(b)fluoranthene
Concen: 0.662 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:252 Resp: 143981

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.2	7.4	11.0



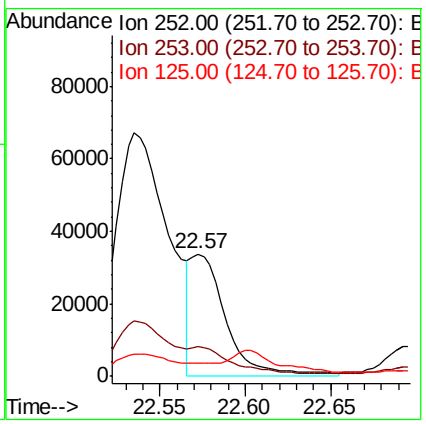


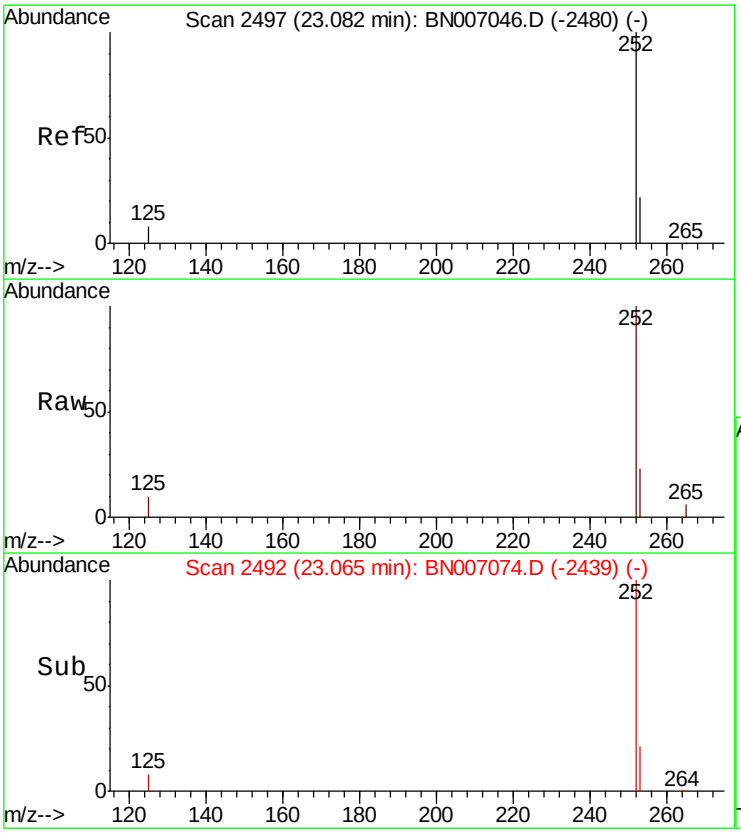
#34
Benzo(k)fluoranthene
Concen: 0.226 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 48570

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	10.8	7.4	11.0

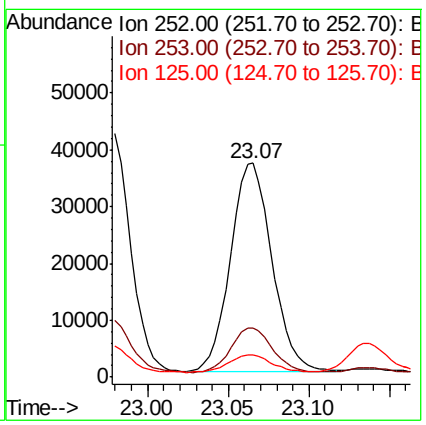


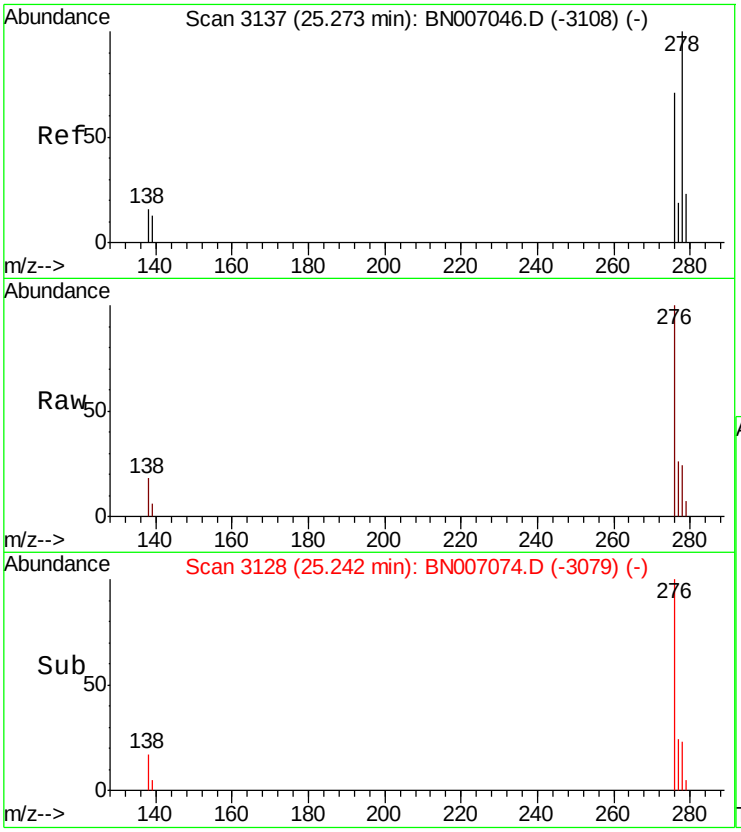


#35
Benzo(a)pyrene
Concen: 0.333 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:252 Resp: 65720

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	10.4	8.2	12.4



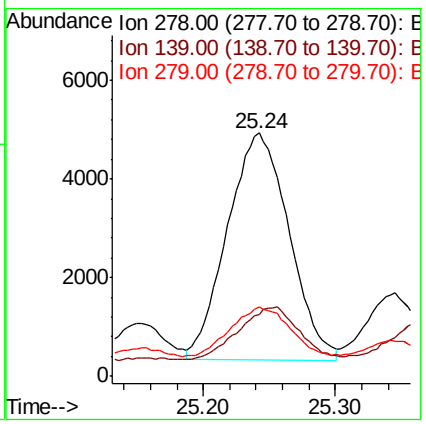


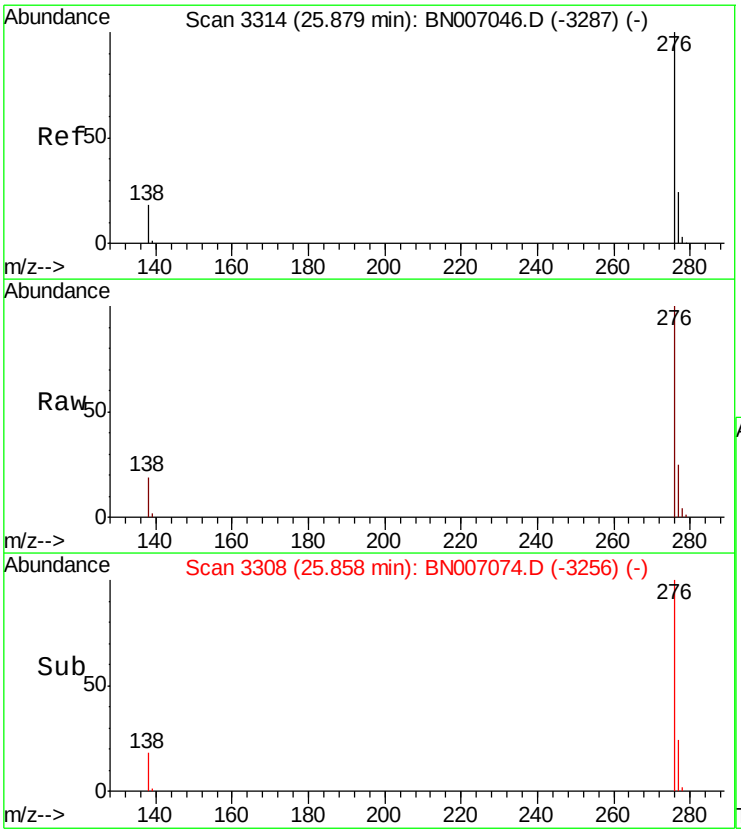
#36
Dibenzo(a,h)anthracene
Concen: 0.076 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 14947

Ion	Ratio	Lower	Upper
278	100		
139	25.5	11.3	16.9#
279	28.5	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 0.361 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007074.D
Acq: 11 Aug 2019 07:24

Tgt Ion:276 Resp: 73141

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	18.8	14.6	22.0