Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007296.D
Acq On : 21 Aug 2019 18:46
Operator : HP/JU
Sample : K4440-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 22 04:59:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	6136	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	23081	0.40	ng		0.00
13) Acenaphthene-d10	14.05	164	12659	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	30971	0.40	ng		-0.01
27) Chrysene-d12	21.03	240	33505	0.40	ng		0.00
34) Perylene-d12	23.13	264	36928	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	4650	0.25	ng		0.00
5) Phenol-d6	6.60	99	5777	0.26	ng		0.00
8) Nitrobenzene-d5	8.54	82	4102	0.23	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	9734	0.24	ng		0.00
14) 2,4,6-Tribromophenol	15.56	330	1687	0.24	ng		0.00
15) 2-Fluorobiphenyl	12.67	172	12721	0.23	ng		0.00
25) Fluoranthene-d10	18.85	212	22823	0.23	ng		0.00
29) Terphenyl-d14	19.47	244	18161	0.22	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.22	128	3959	0.061	ng	#	93
12) 2-Methylnaphthalene	11.84	142	2339	0.052	ng		97
16) Acenaphthylene	13.77	152	7229	0.108	ng		97
17) Acenaphthene	14.12	154	23737	0.555	ng		99
18) Fluorene	15.11	166	27133	0.485	ng		100
22) Pentachlorophenol	16.47	266	166	0.020	ng	#	76
23) Phenanthrene	16.84	178	690794	7.116	ng		100
24) Anthracene	16.94	178	208734	2.388	ng		97
26) Fluoranthene	18.88	202	2525141	21.476	ng		99
28) Pyrene	19.24	202	2160848	17.247	ng	#	93
30) Benzo(a)anthracene	21.01	228	1638352	13.150	ng		97
31) Chrysene	21.06	228	1036188	8.150	ng		96
32) Bis(2-ethylhexyl)phthalate	20.97	149	20276	0.407	ng	#	91
33) Indeno(1,2,3-cd)pyrene	25.21	276	668168	4.368	ng		96
35) Benzo(b)fluoranthene	22.52	252	1593490	11.575	ng		99
36) Benzo(k)fluoranthene	22.52	252	1593490	11.815	ng		99
37) Benzo(a)pyrene	23.05	252	1153631	9.298	ng		99
38) Dibenzo(a,h)anthracene	25.21	278	195329	1.499	ng		94
39) Benzo(g,h,i)perylene	25.83	276	610321	4.632	ng		99

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

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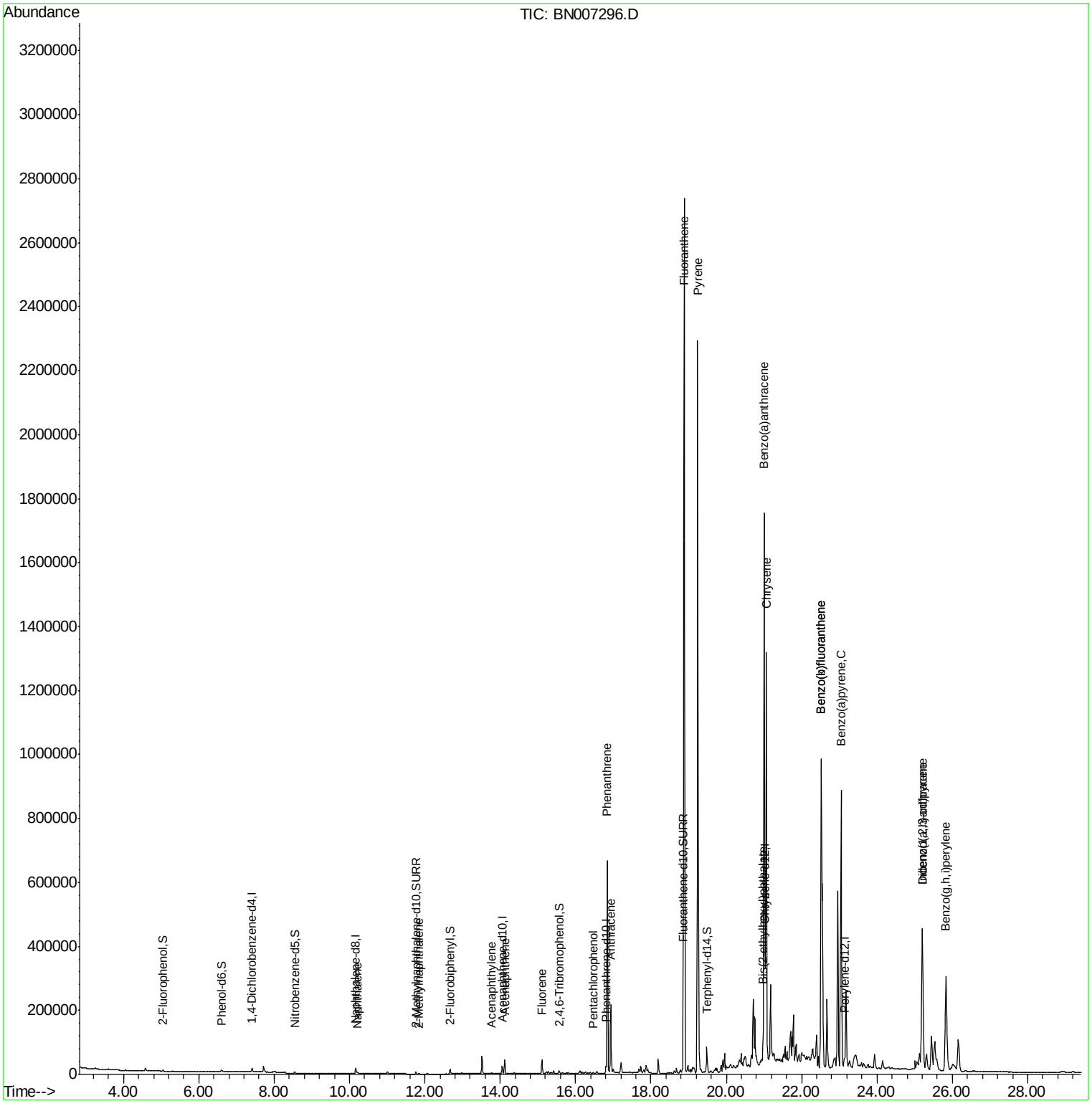
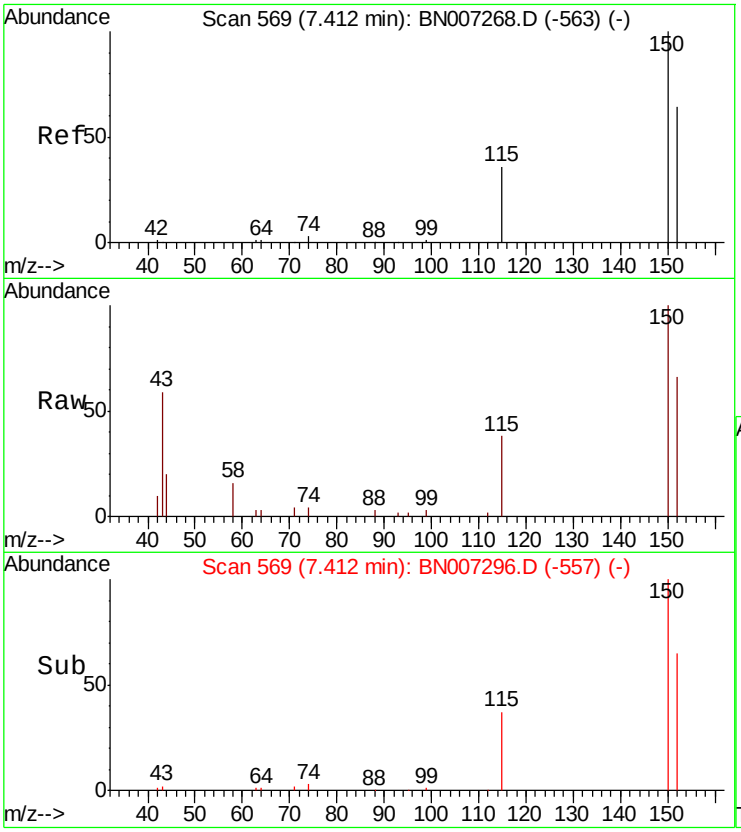


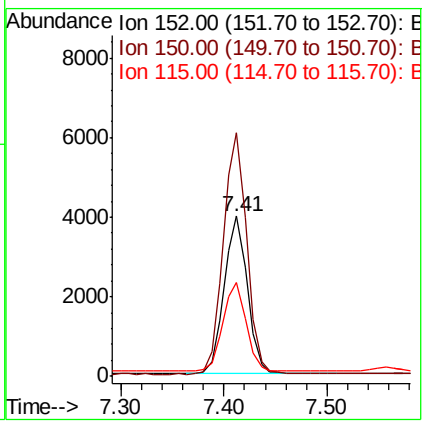


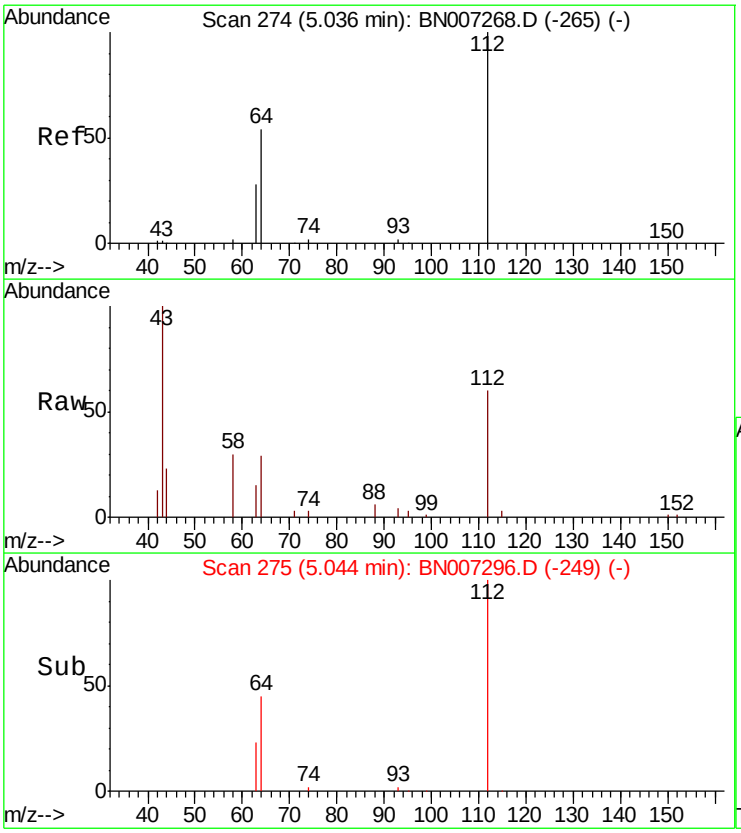
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 6136

Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.8
115	58.4	47.3	70.9

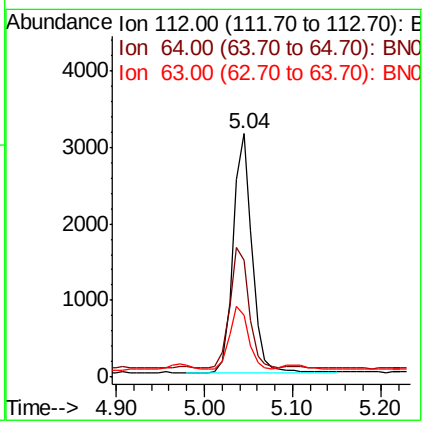


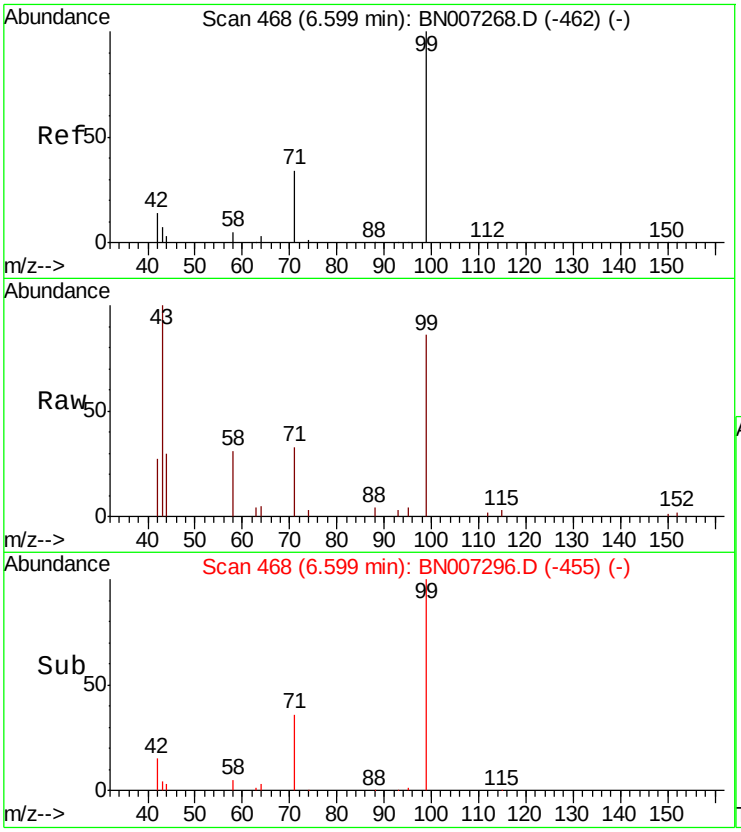


#4
2-Fluorophenol
Concen: 0.249 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:112 Resp: 4650

Ion	Ratio	Lower	Upper
112	100		
64	50.4	41.8	62.8
63	26.3	22.6	34.0



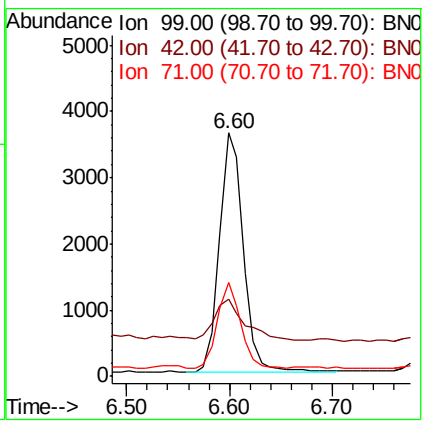


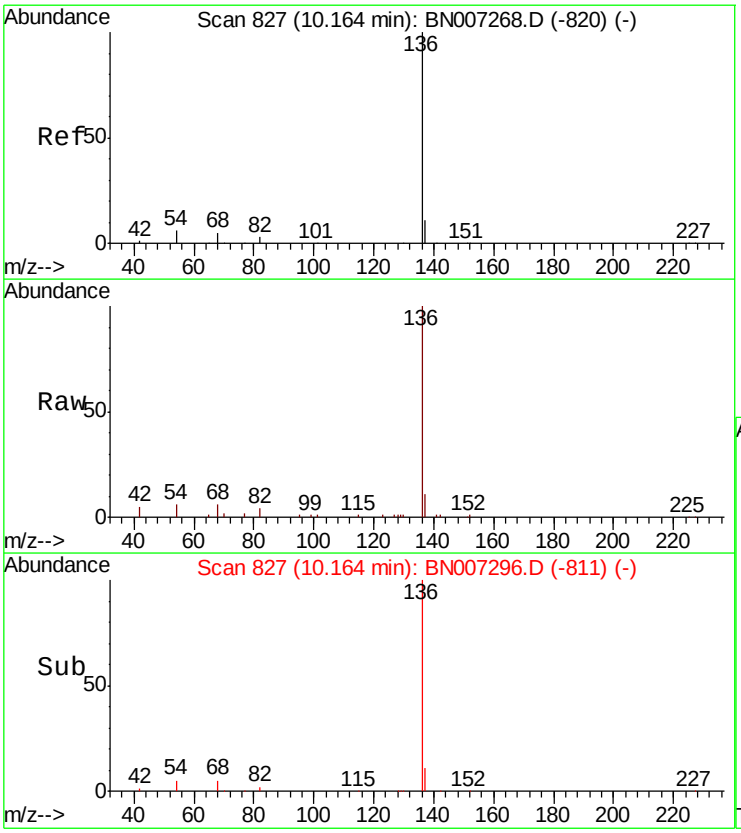
#5
Phenol-d6
Concen: 0.264 ng
RT: 6.60 min Scan# 468
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 5777

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.3	21.5#
71	35.1	27.3	40.9

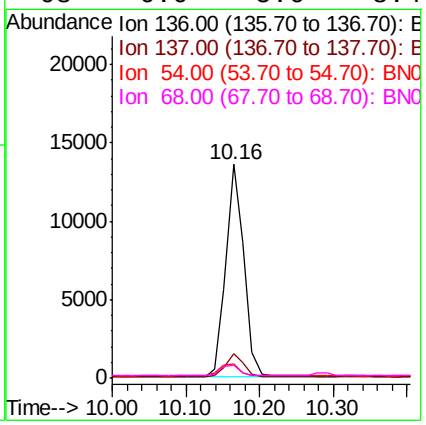


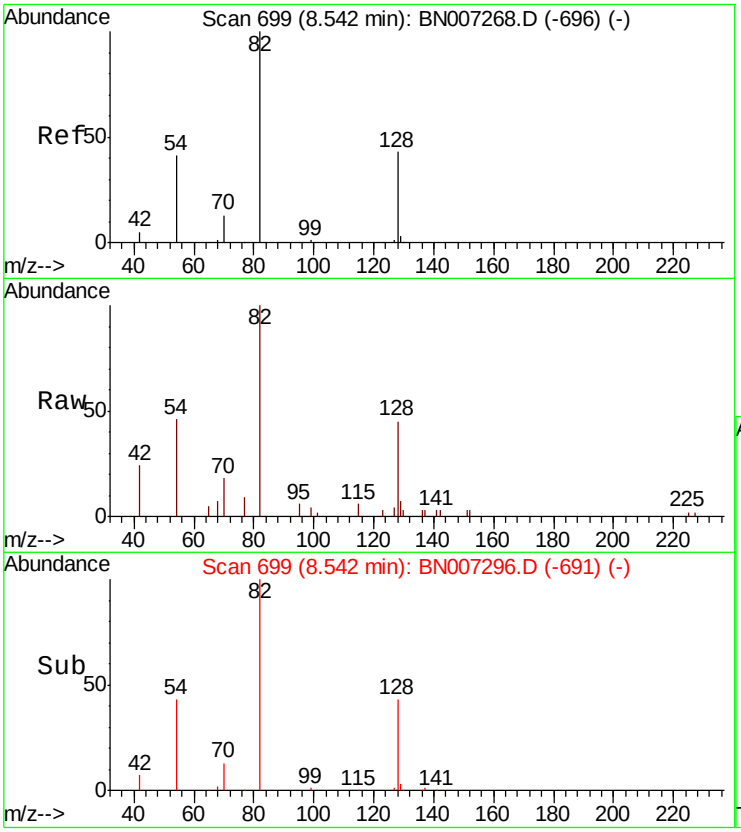


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:136 Resp: 23081

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.4	5.9	8.9
68	6.0	5.6	8.4



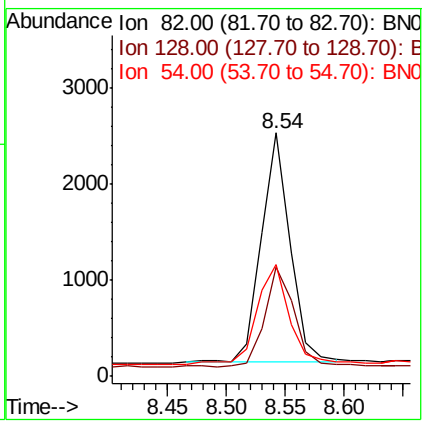


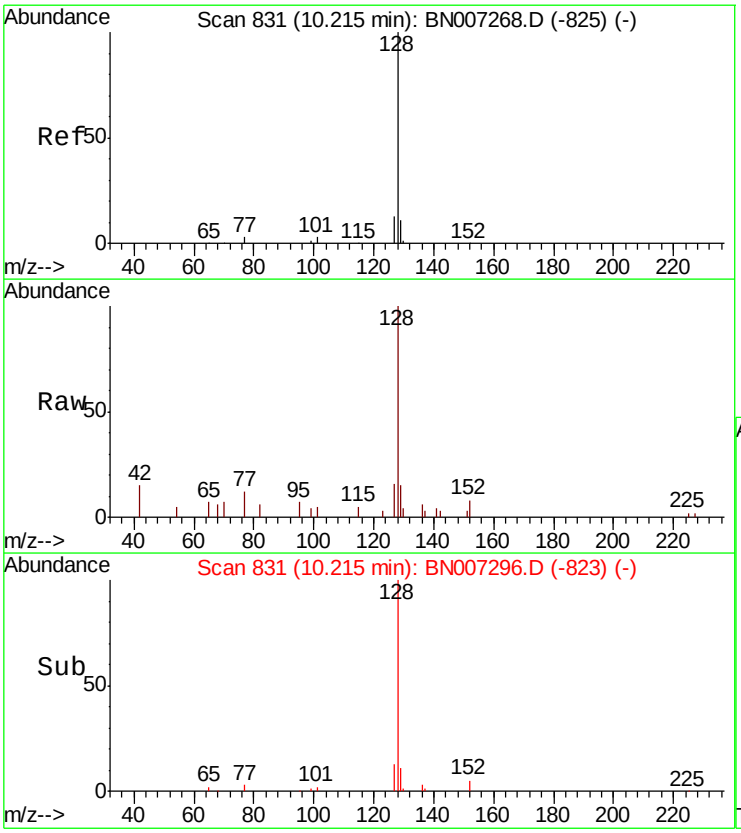
#8
Nitrobenzene-d5
Concen: 0.232 ng
RT: 8.54 min Scan# 699
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 4102

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.8	53.6
54	45.8	34.7	52.1

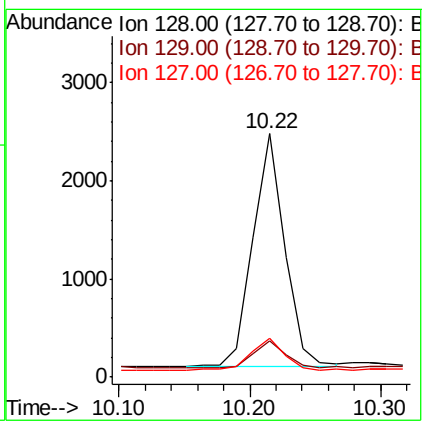


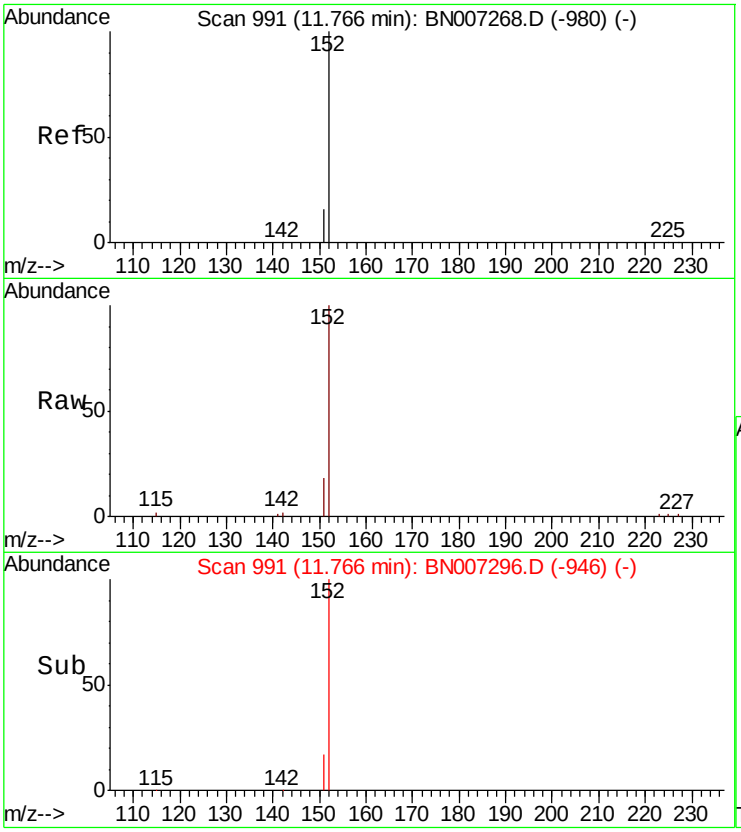


#9
Naphthalene
Concen: 0.061 ng
RT: 10.22 min Scan# 831
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:128 Resp: 3959

Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.1	13.7#
127	15.8	10.6	16.0



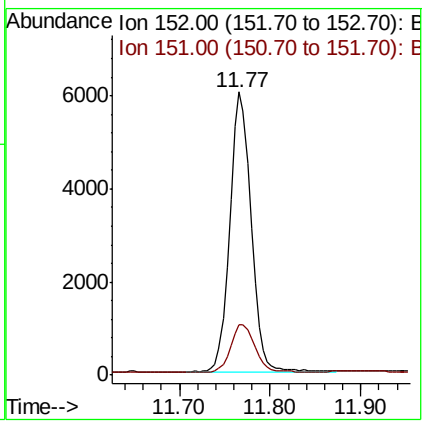


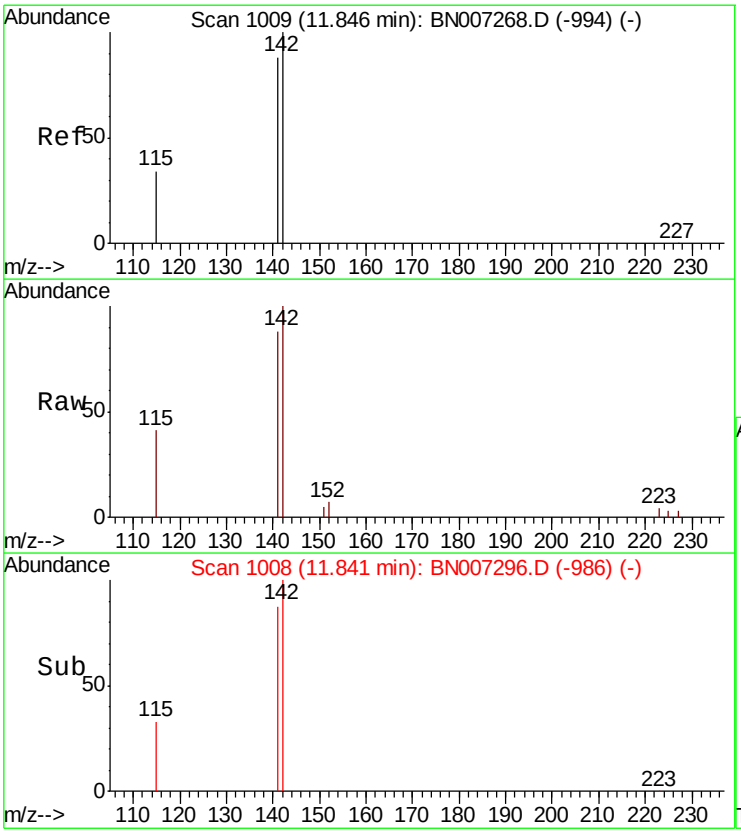
#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 11.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 9734

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.2	22.8

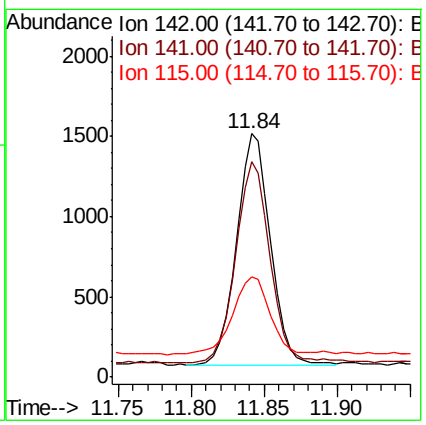


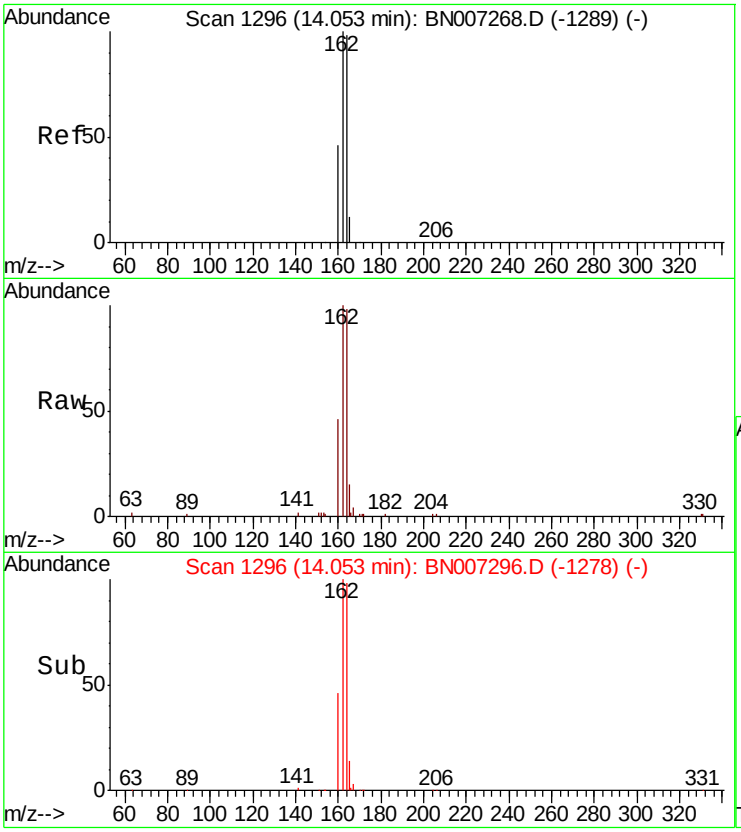


#12
2-Methylnaphthalene
Concen: 0.052 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:142 Resp: 2339

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.7	106.1
115	41.4	28.1	42.1



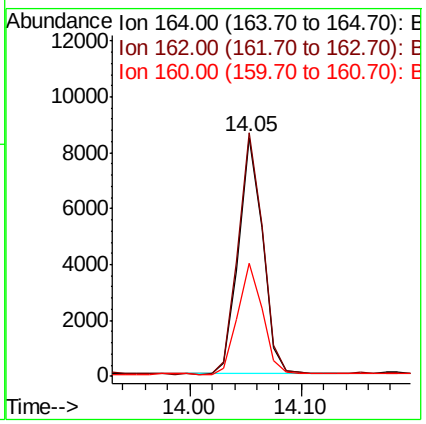


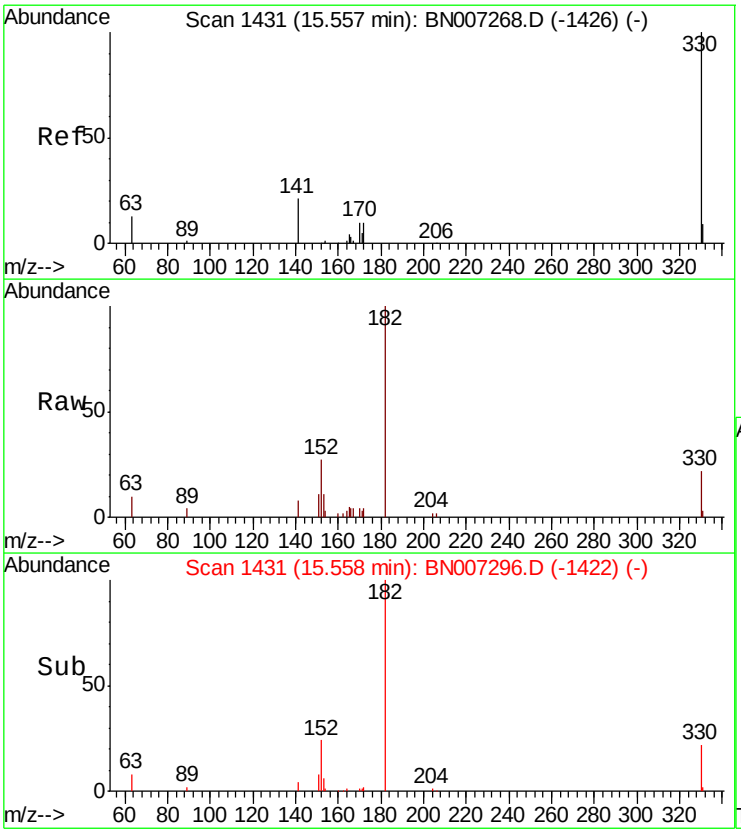
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 12659

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.0	123.0
160	47.2	38.2	57.4

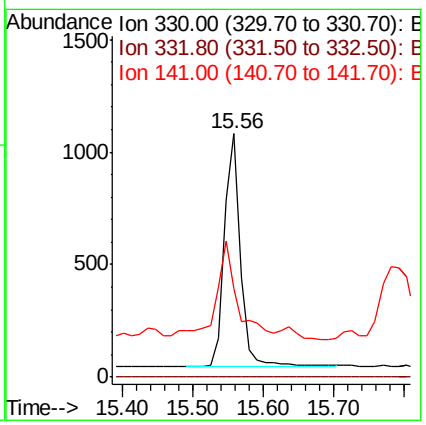


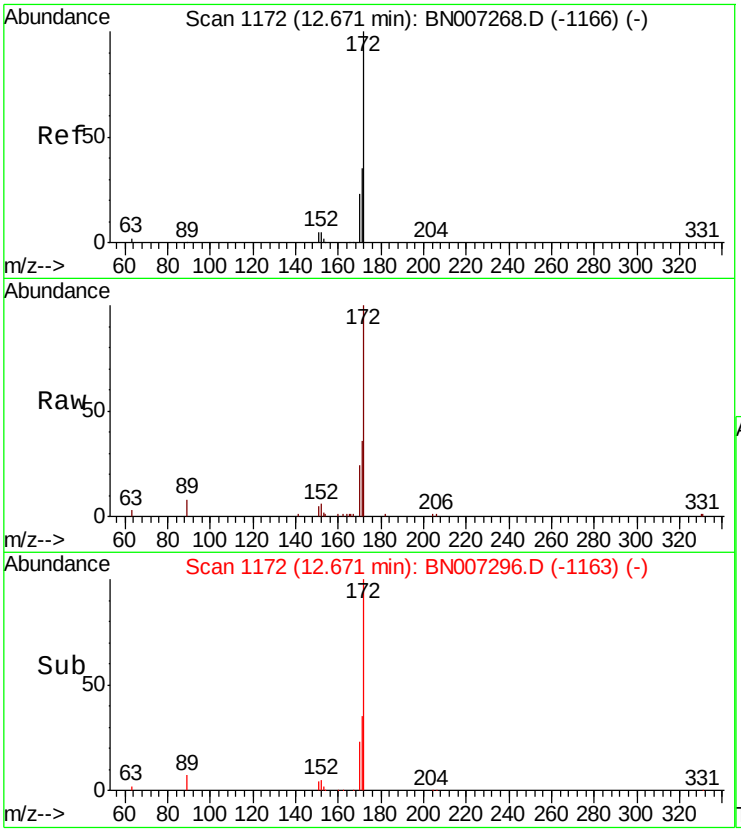


#14
2,4,6-Tribromophenol
Concen: 0.237 ng
RT: 15.56 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:330 Resp: 1687

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.5	30.3	45.5



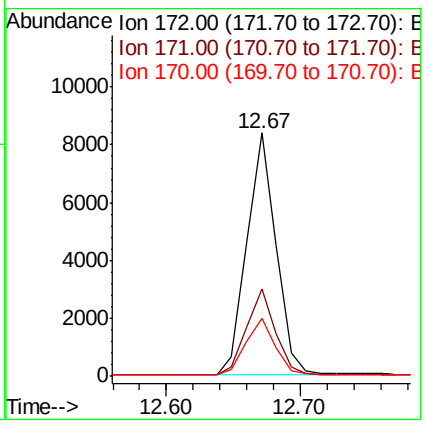


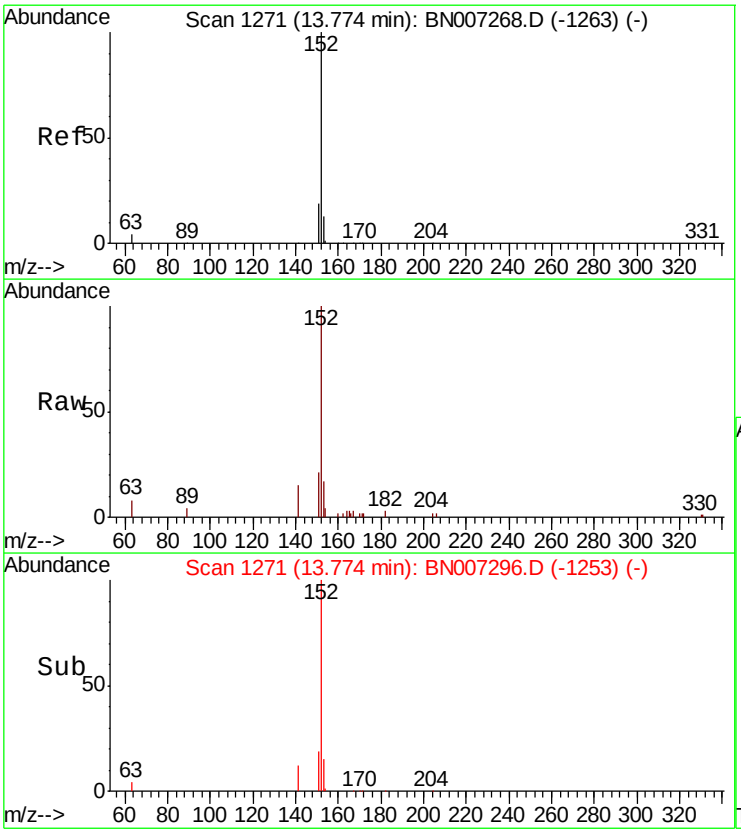
#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 12721

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.7	18.7	28.1

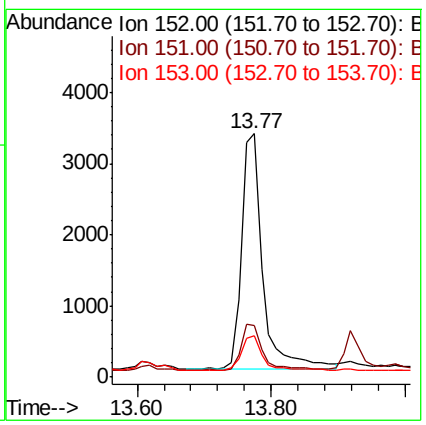


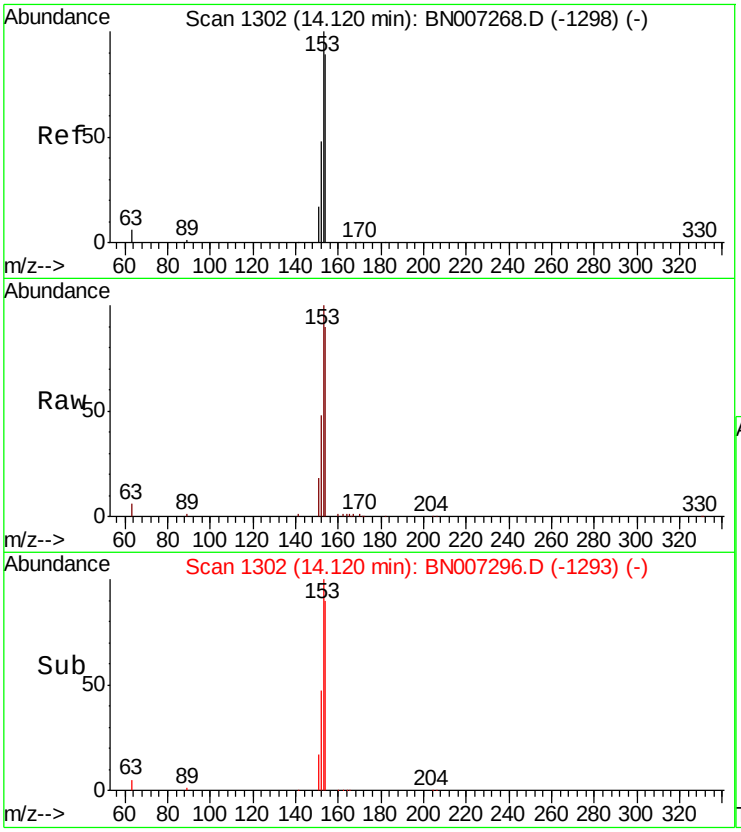


#16
Acenaphthylene
Concen: 0.108 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:152 Resp: 7229

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.2
153	15.0	10.1	15.1



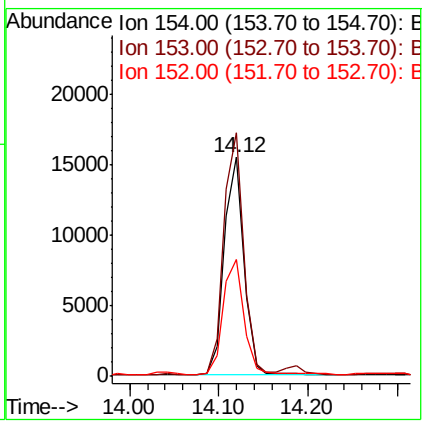


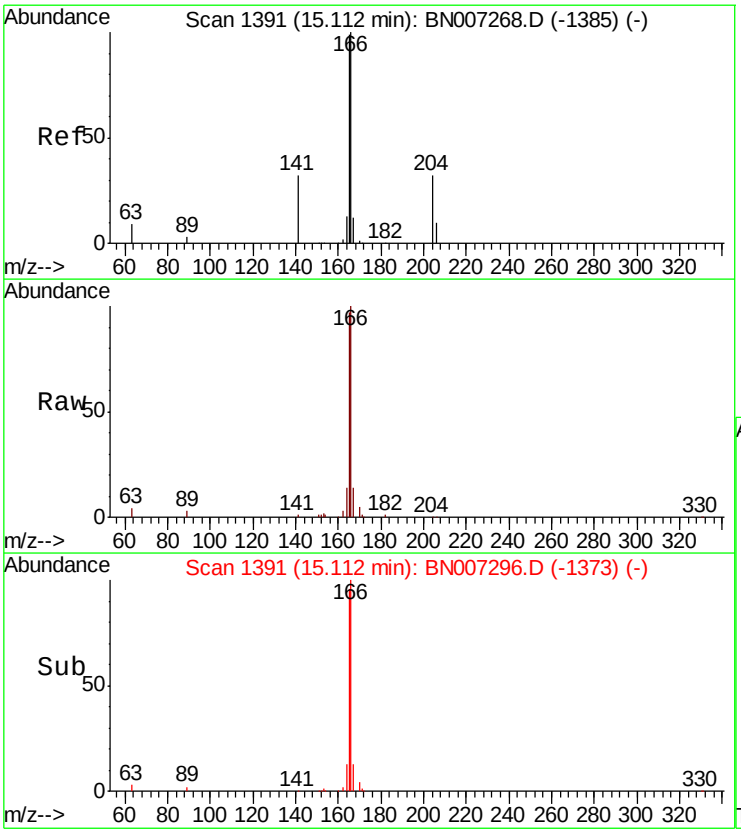
#17
Acenaphthene
Concen: 0.555 ng
RT: 14.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 23737

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.9	134.9
152	55.6	43.9	65.9

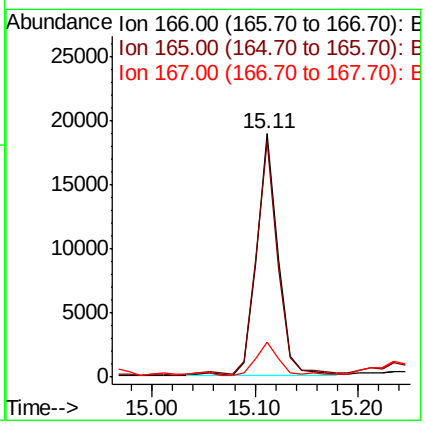


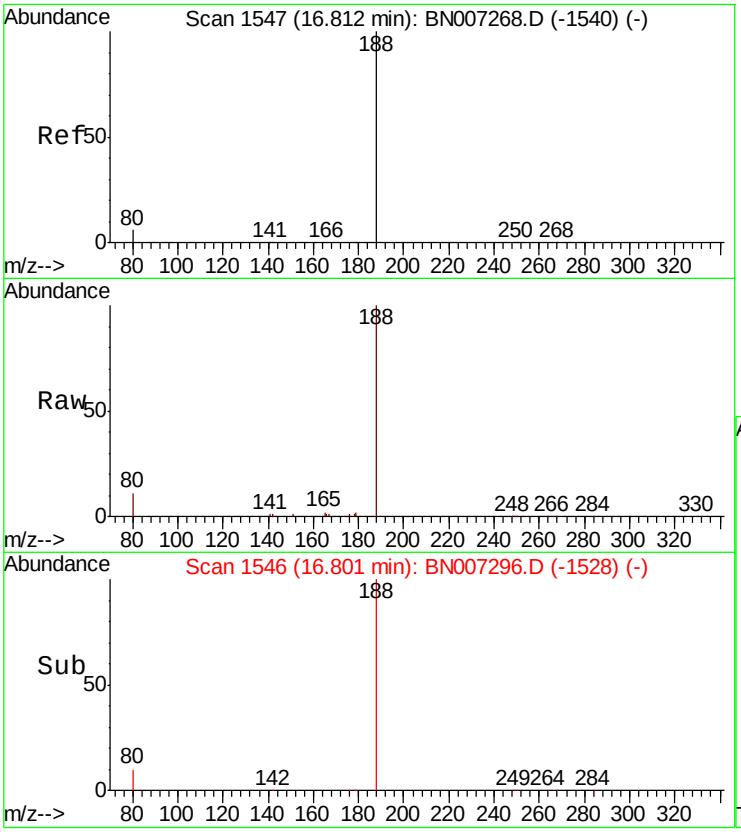


#18
Fluorene
Concen: 0.485 ng
RT: 15.11 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:166 Resp: 27133

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	14.7	11.1	16.7



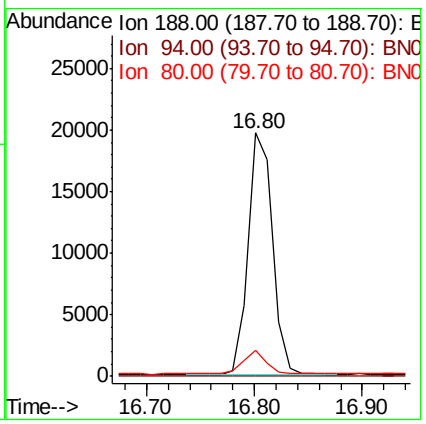


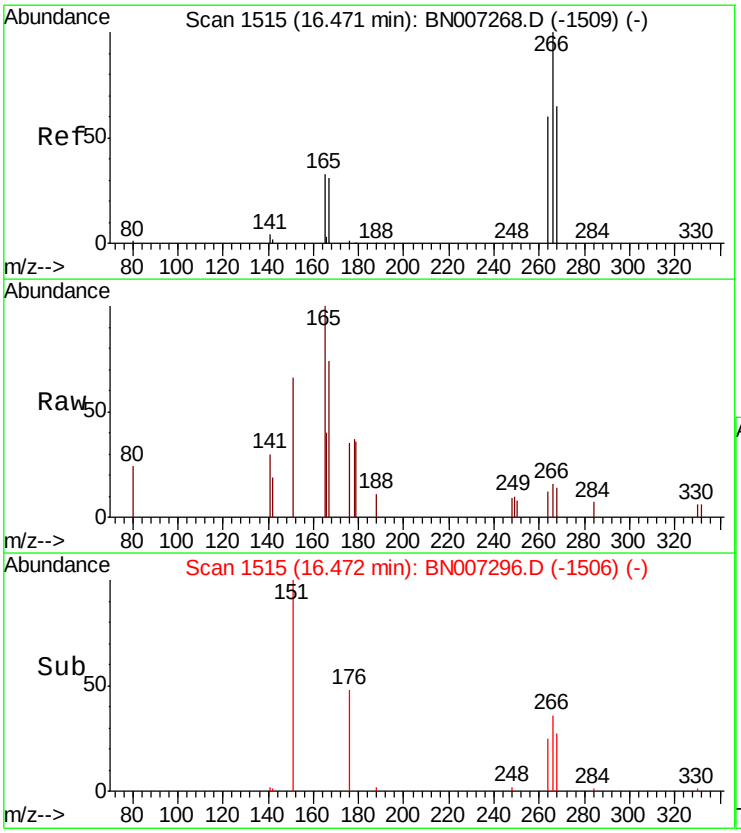
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 30971

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	5.2	7.8#

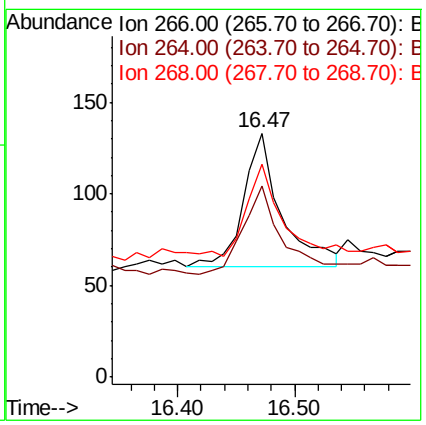


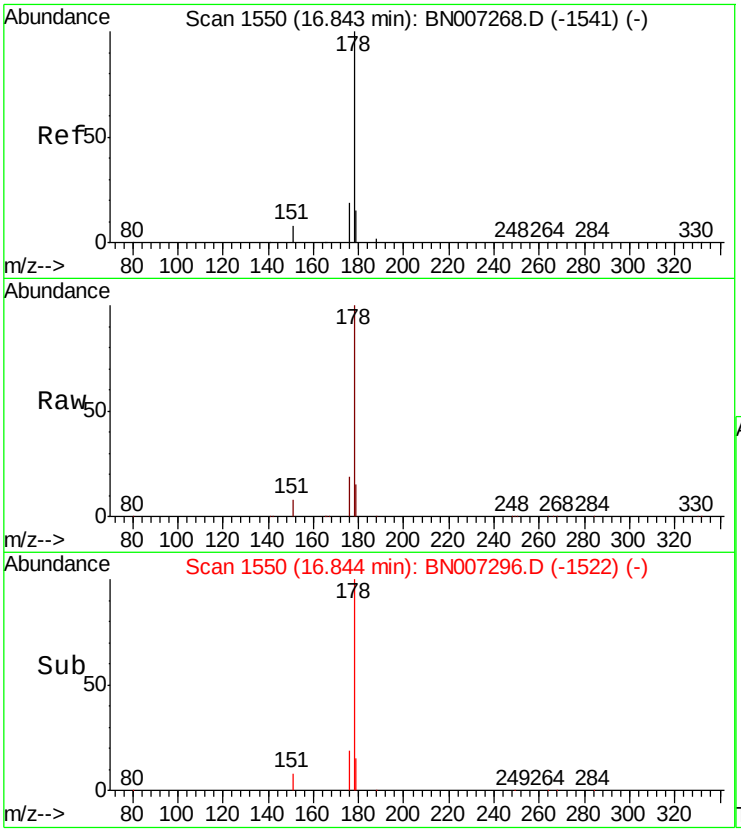


#22
Pentachlorophenol
Concen: 0.020 ng
RT: 16.47 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:266 Resp: 166

Ion	Ratio	Lower	Upper
266	100		
264	78.2	48.7	73.1#
268	87.2	53.5	80.3#



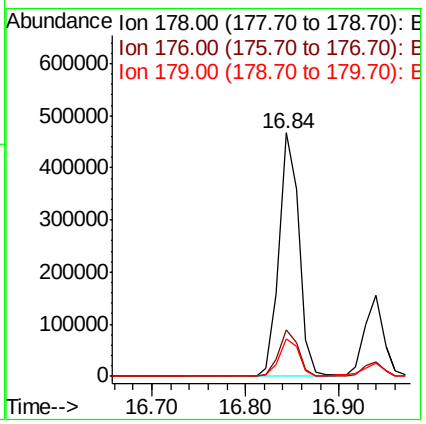


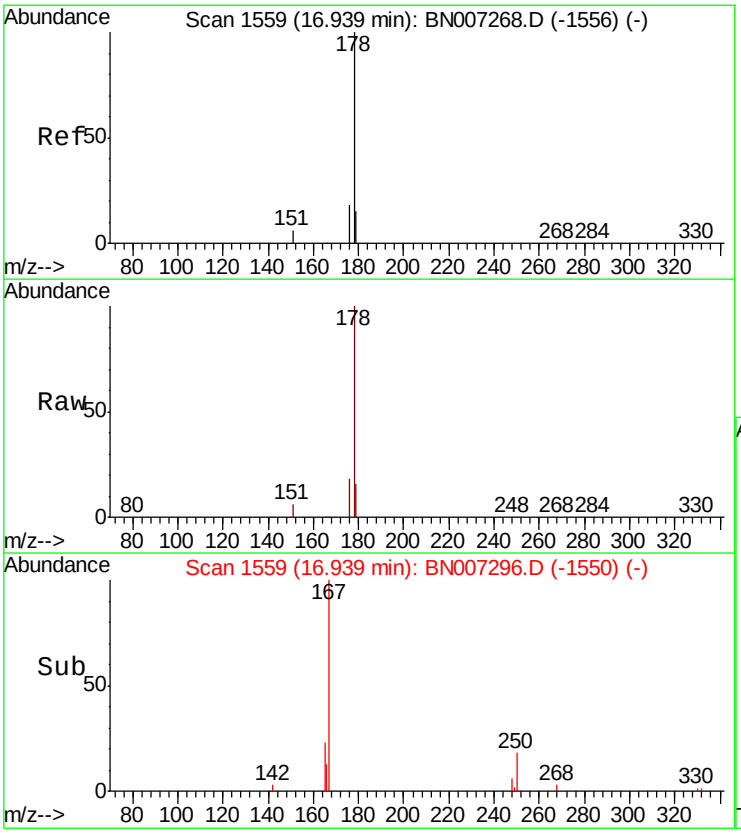
#23
Phenanthrene
Concen: 7.116 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 690794

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

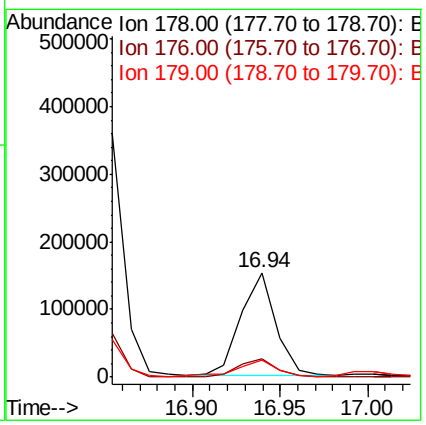


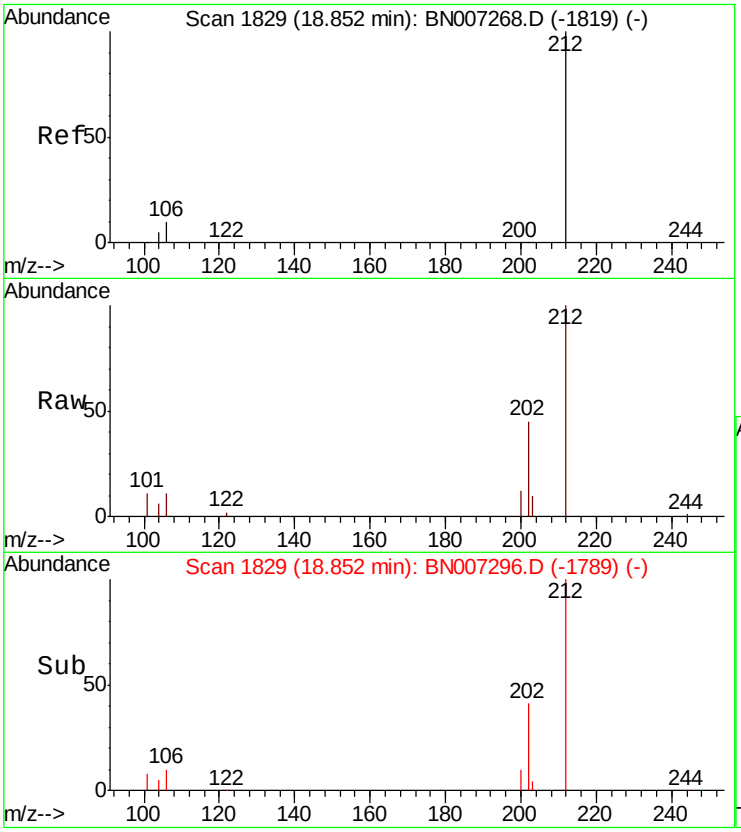


#24
Anthracene
Concen: 2.388 ng
RT: 16.94 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:178 Resp: 208734

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.3	21.5
179	17.0	12.3	18.5



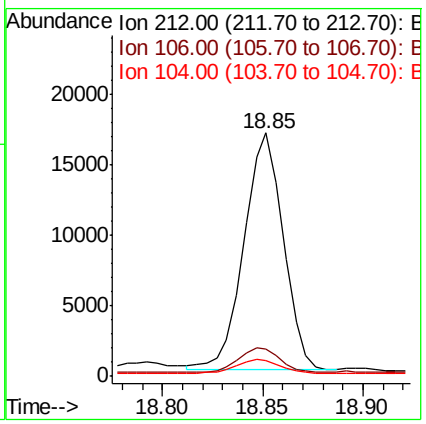


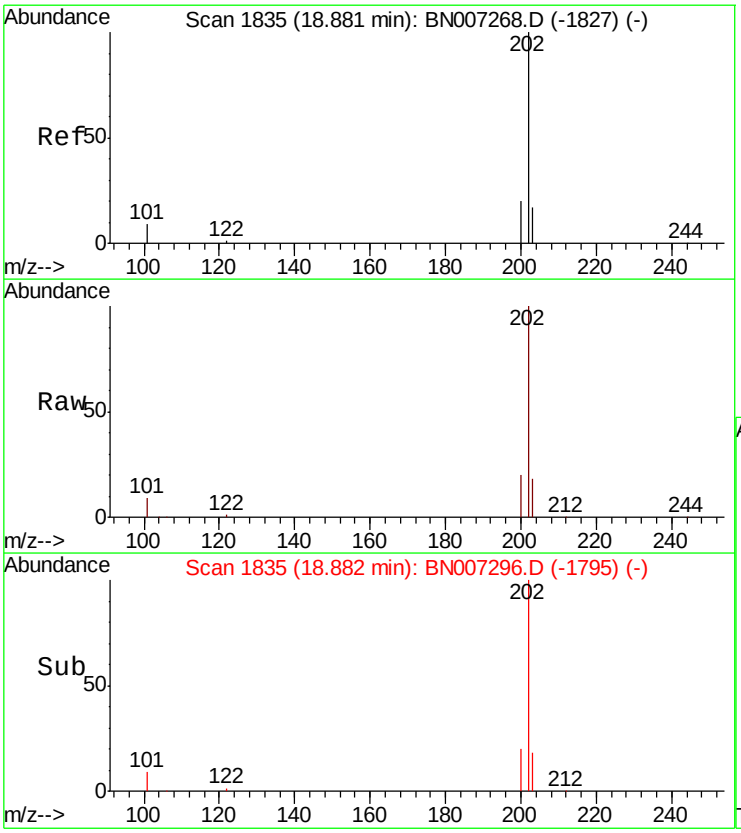
#25
Fluoranthene-d10
Concen: 0.232 ng
RT: 18.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 22823

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.4
104	6.4	4.7	7.1

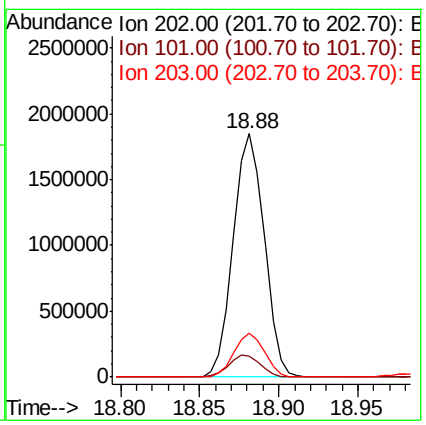


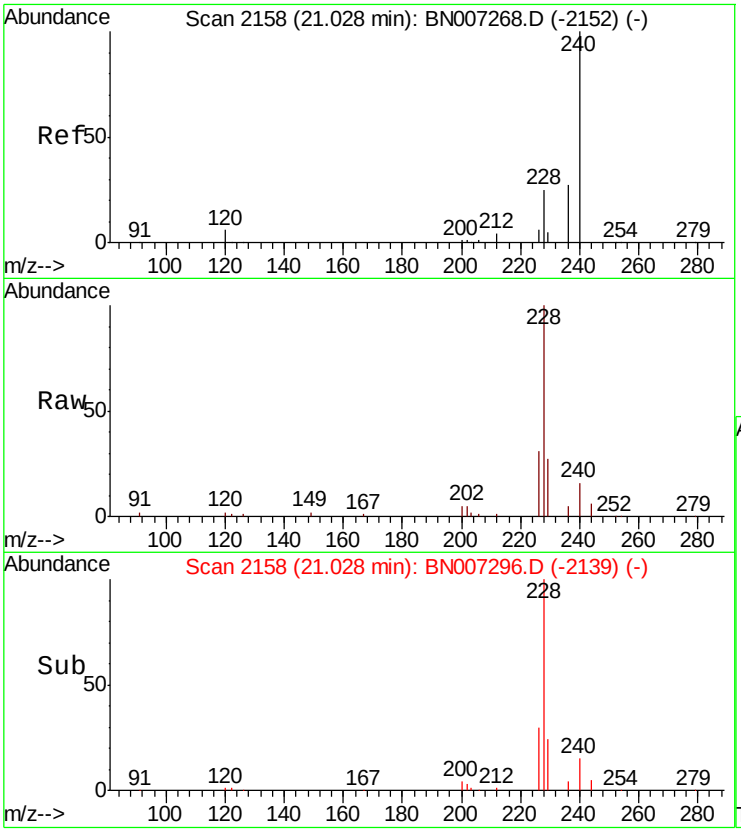


#26
Fluoranthene
Concen: 21.476 ng
RT: 18.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:202 Resp: 2525141

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.2	10.8
203	17.7	13.8	20.6



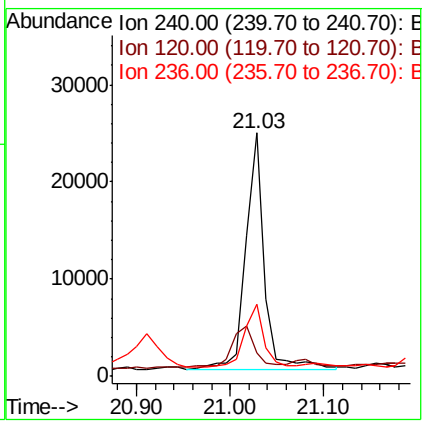


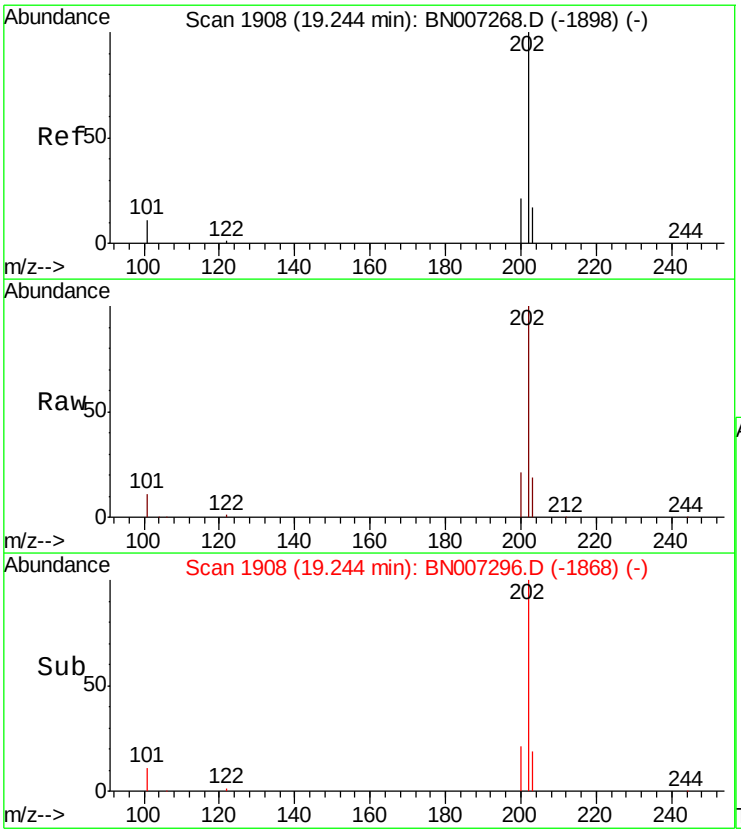
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 33505

Ion	Ratio	Lower	Upper
240	100		
120	9.8	5.6	8.4#
236	29.5	21.6	32.4

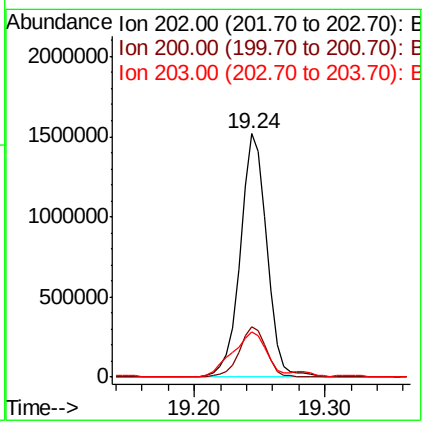


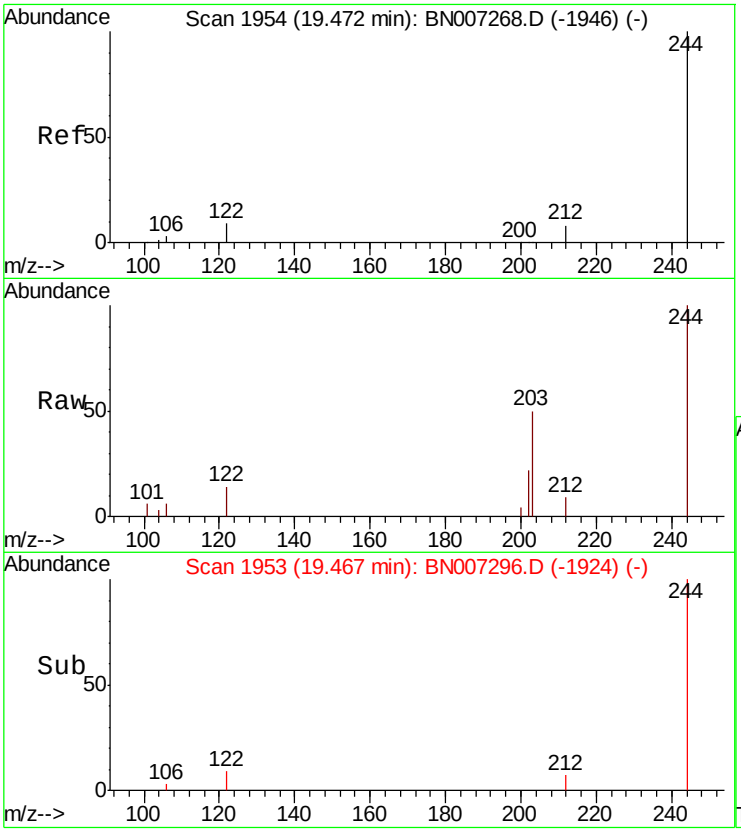


#28
Pyrene
Concen: 17.247 ng
RT: 19.24 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:202 Resp: 2160848

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	24.1	13.9	20.9#



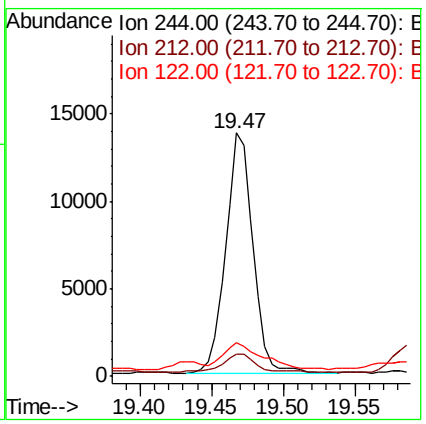


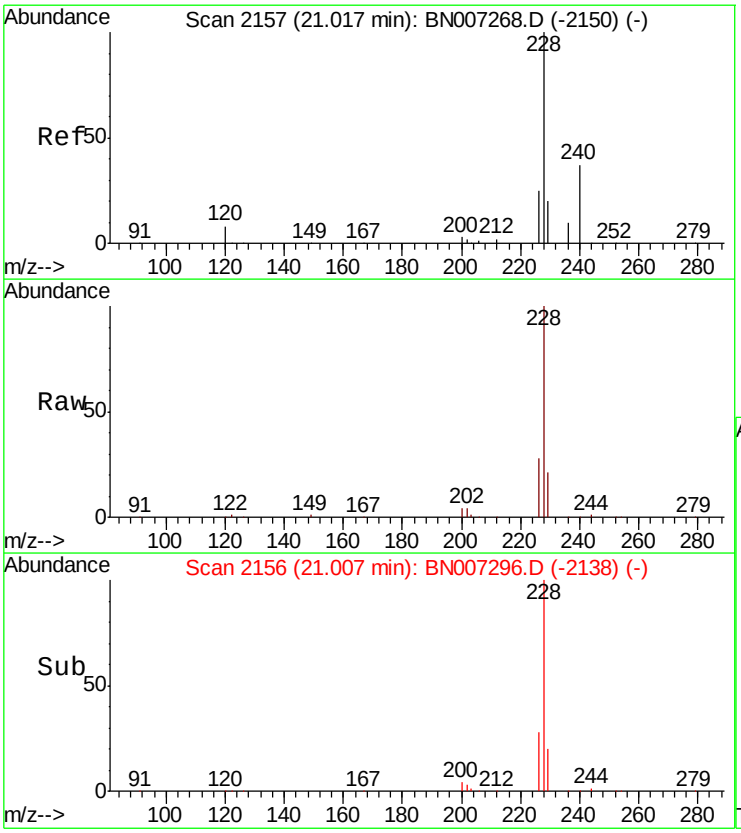
#29
Terphenyl-d14
Concen: 0.217 ng
RT: 19.47 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 18161

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.5	9.7
122	13.8	7.9	11.9#

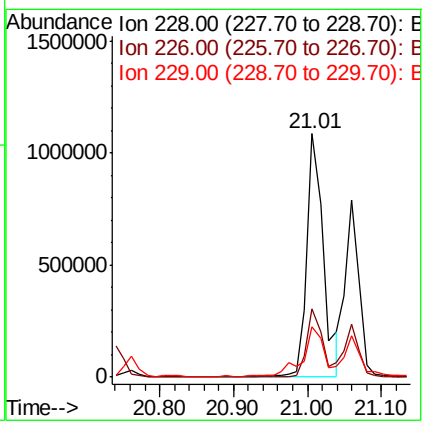


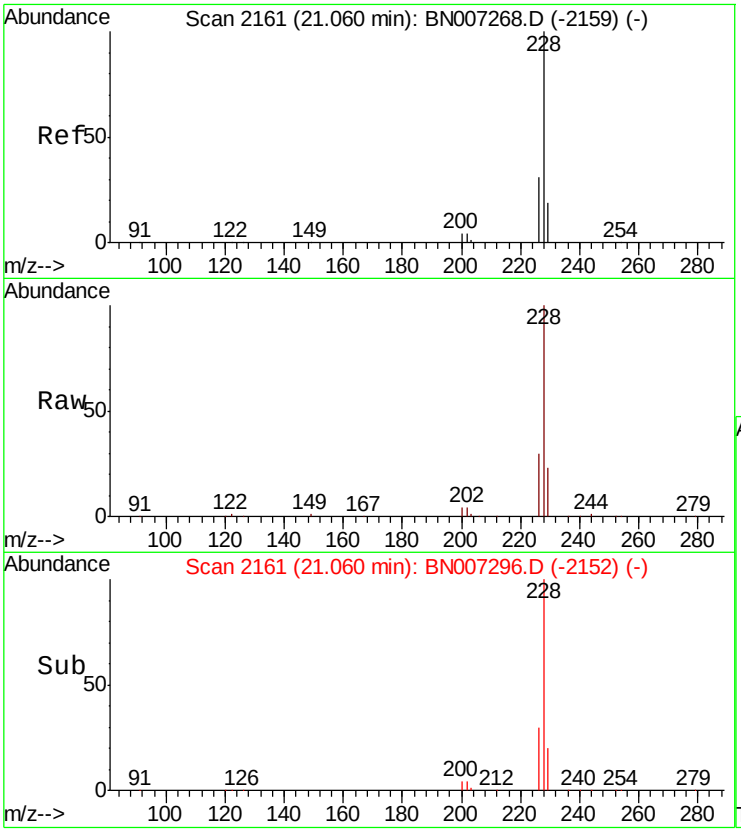


#30
Benzo(a)anthracene
Concen: 13.150 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:228 Resp: 1638352

Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	30.8
229	20.6	16.9	25.3



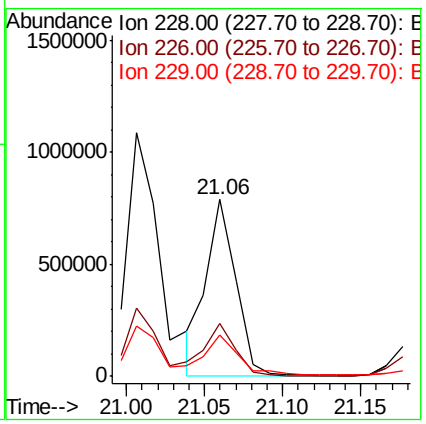


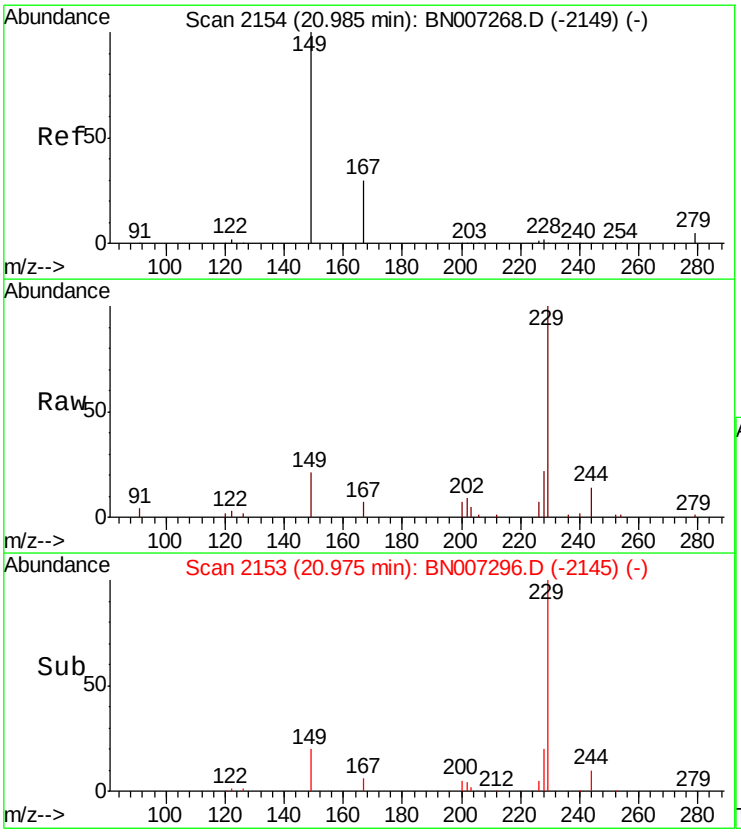
#31
Chrysene
Concen: 8.150 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 1036188

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	36.8
229	23.3	15.6	23.4

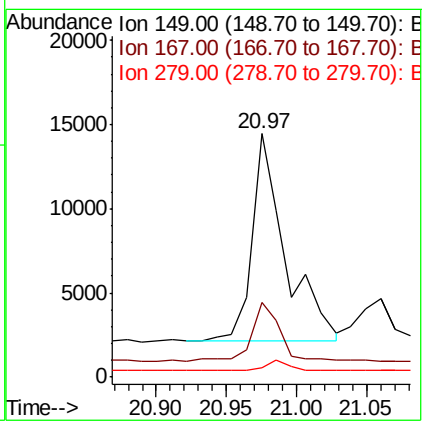


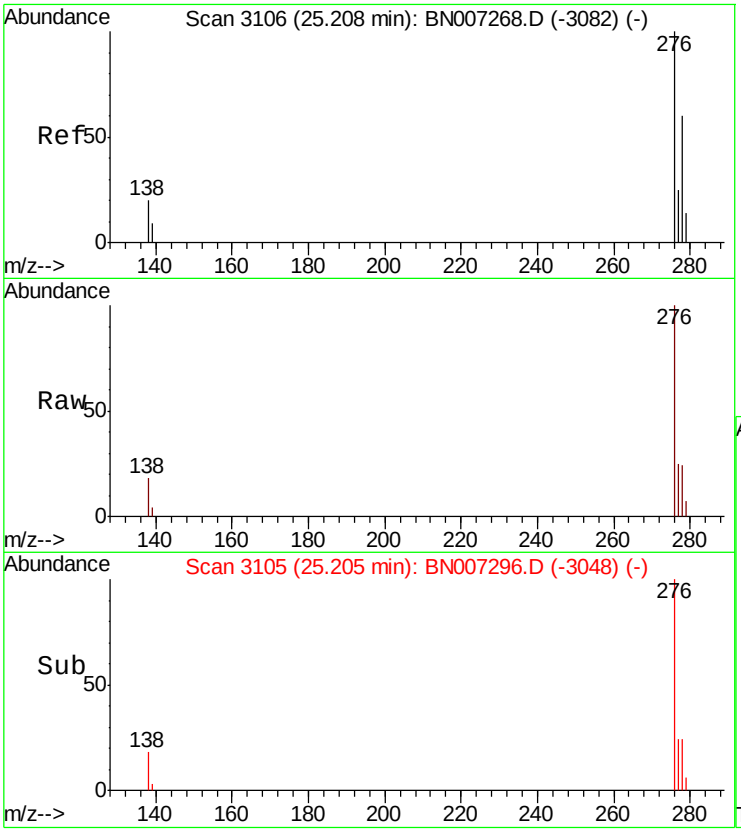


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.407 ng
RT: 20.97 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:149 Resp: 20276

Ion	Ratio	Lower	Upper
149	100		
167	24.5	23.8	35.6
279	3.7	3.8	5.8#



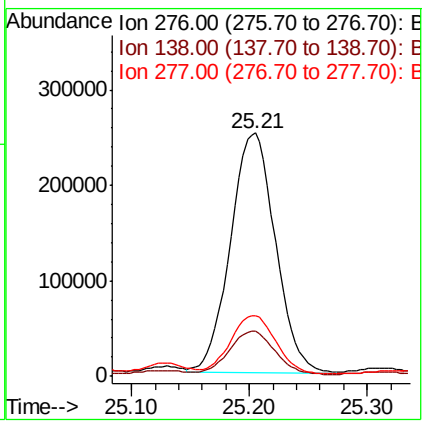


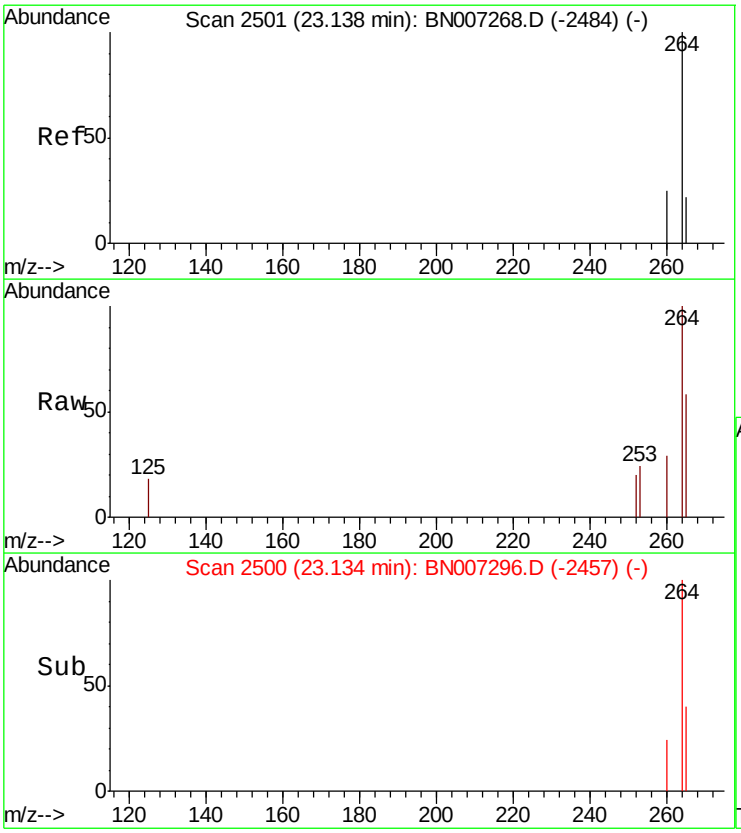
#33
Indeno(1,2,3-cd)pyrene
Concen: 4.368 ng
RT: 25.21 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 668168

Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.1	25.7
277	24.6	20.1	30.1

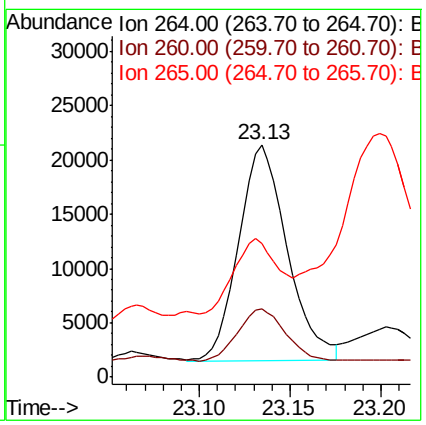


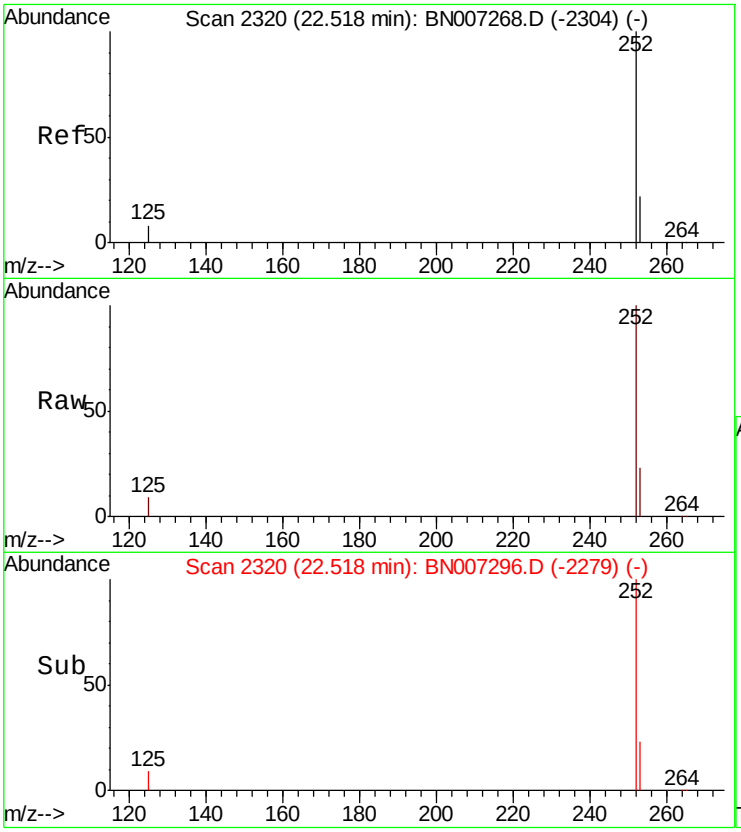


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2500
Delta R.T. -0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:264 Resp: 36928

Ion	Ratio	Lower	Upper
264	100		
260	29.5	20.1	30.1
265	57.6	29.0	43.6#



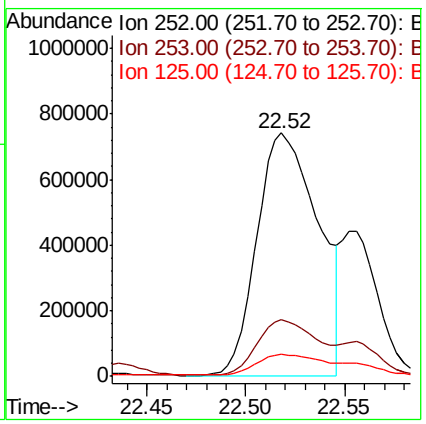


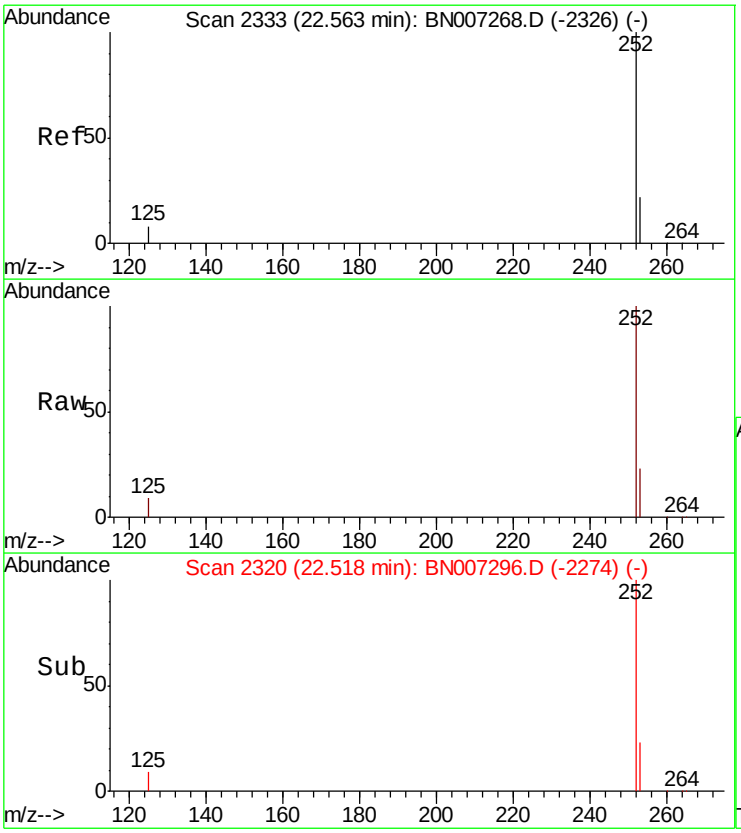
#35
Benzo(b)fluoranthene
Concen: 11.575 ng
RT: 22.52 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1593490

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	9.0	7.8	11.6

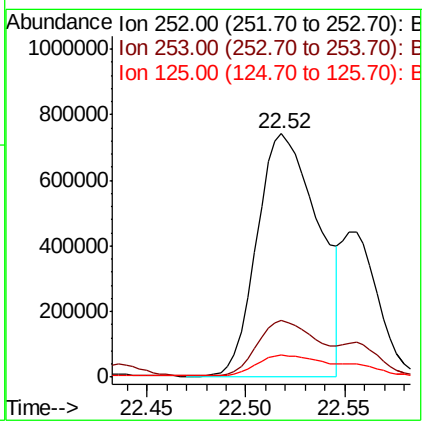


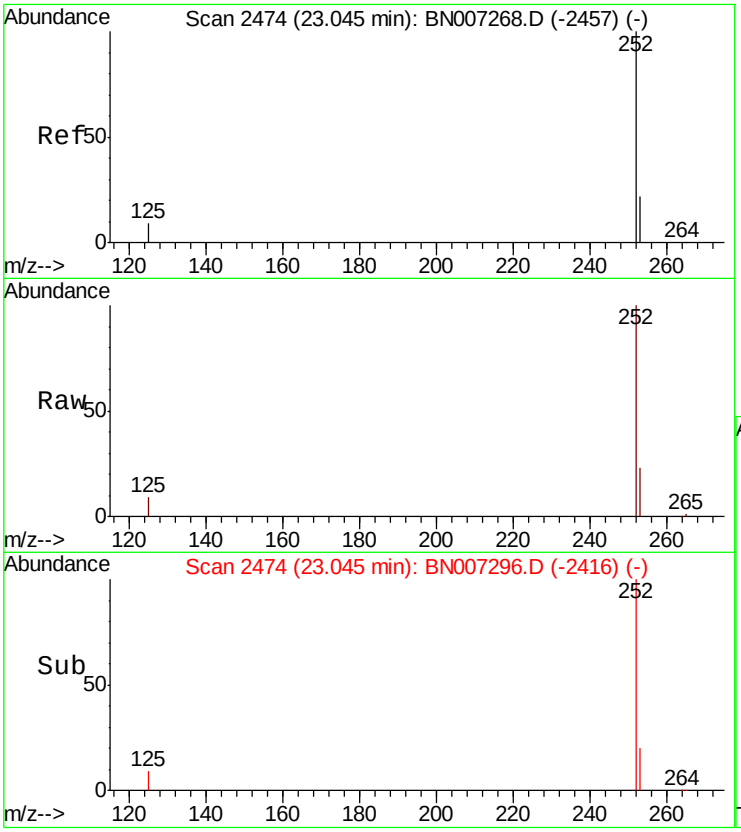


#36
Benzo(k)fluoranthene
Concen: 11.815 ng
RT: 22.52 min Scan# 2320
Delta R.T. -0.04 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:252 Resp: 1593490

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	9.0	8.0	12.0



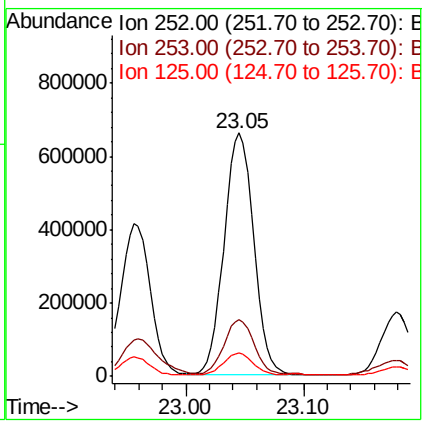


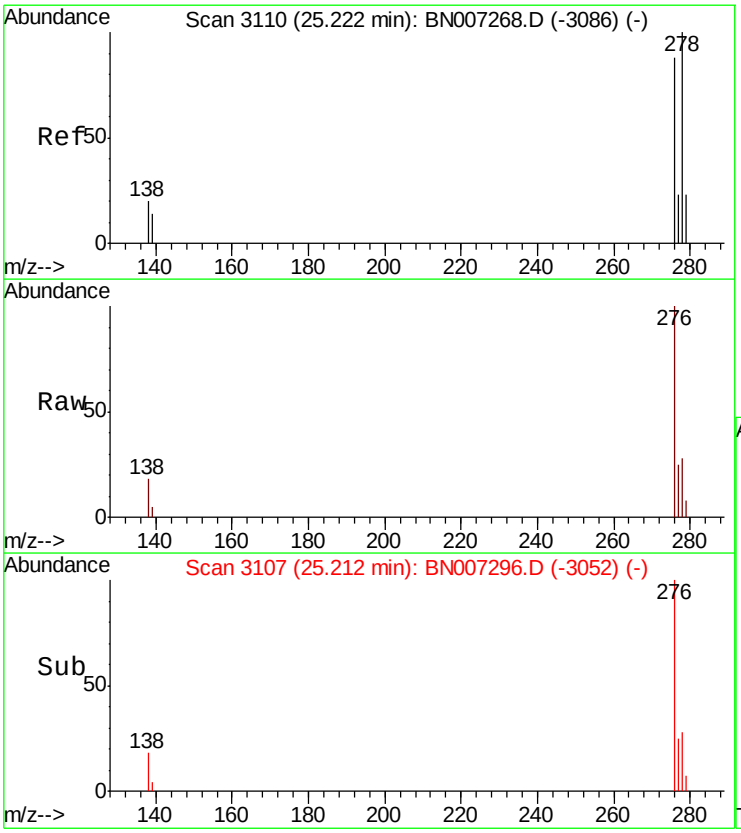
#37
Benzo(a)pyrene
Concen: 9.298 ng
RT: 23.05 min Scan# 2474
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1153631

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	9.4	8.7	13.1

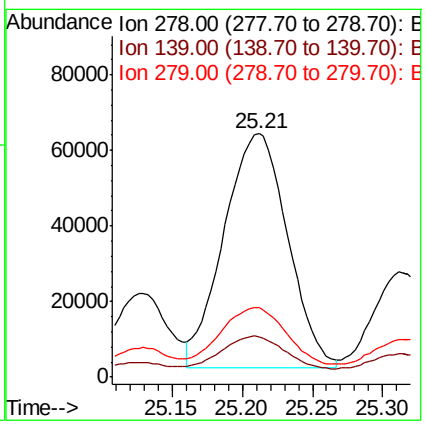


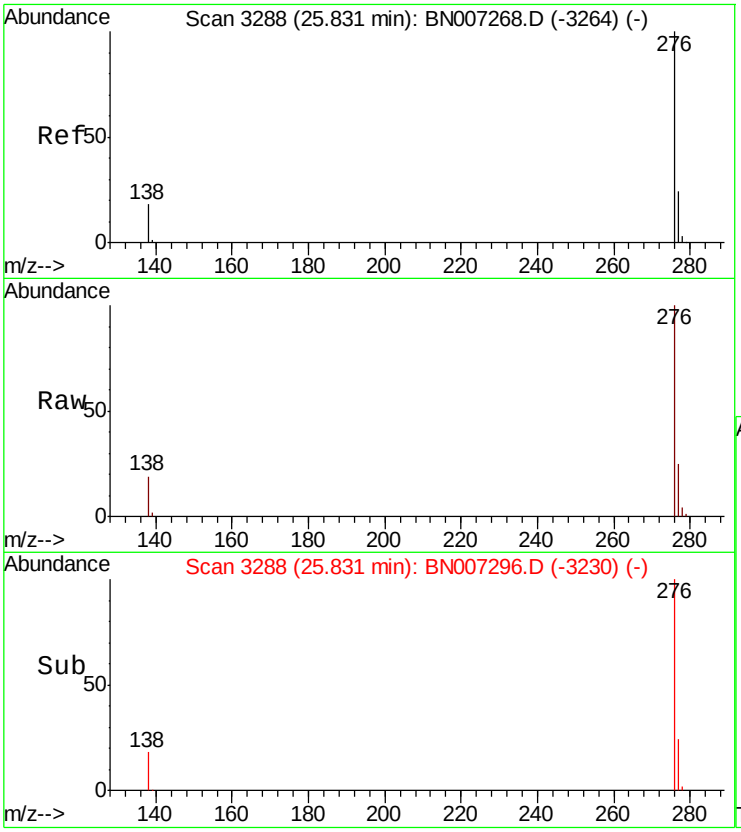


#38
Dibenzo(a,h)anthracene
Concen: 1.499 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Tgt Ion:278 Resp: 195329

Ion	Ratio	Lower	Upper
278	100		
139	16.6	11.8	17.8
279	28.4	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 4.632 ng
RT: 25.83 min Scan# 3288
Delta R.T. 0.00 min
Lab File: BN007296.D
Acq: 21 Aug 2019 18:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 610321

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.5	29.3
138	18.5	15.3	22.9