Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082519\

Quantitation Report (Not Reviewed)

Data File : BN007396.D
Acq On : 25 Aug 2019 15:27
Operator : HP/JU
Sample : K4409-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : S301-J-2.0-2.5-081919DL

Quant Time: Aug 26 05:22:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	38258	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	153724	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	89194	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	184236	0.40	ng		0.00
27) Chrysene-d12	21.02	240	201482	0.40	ng		0.00
34) Perylene-d12	23.13	264	227350	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	925	-0.02	ng		0.00
5) Phenol-d6	6.59	99	1176	-0.03	ng		0.00
8) Nitrobenzene-d5	8.53	82	924	0.01	ng		0.00
11) 2-Methylnaphthalene-d10	11.76	152	1713	0.01	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	343	0.01	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	2179	0.01	ng		0.00
25) Fluoranthene-d10	18.84	212	3534	0.01	ng		0.00
29) Terphenyl-d14	19.46	244	2930	0.01	ng		0.00
Target Compounds							Qvalue
23) Phenanthrene	16.84	178	108576	0.196	ng		100
24) Anthracene	16.93	178	29242	0.052	ng		99
26) Fluoranthene	18.87	202	367579	0.517	ng		100
28) Pyrene	19.24	202	302738	0.374	ng	#	96
30) Benzo(a)anthracene	21.00	228	226561	0.286	ng		100
31) Chrysene	21.06	228	182117	0.238	ng		97
32) Bis(2-ethylhexyl)phthalate	20.97	149	5224	Below Cal			97
33) Indeno(1,2,3-cd)pyrene	25.18	276	111086	0.121	ng		99
35) Benzo(b)fluoranthene	22.66	252	33374	0.041	ng		96
36) Benzo(k)fluoranthene	22.51	252	241893	0.297	ng	#	91
37) Benzo(a)pyrene	22.94	252	112394	0.143	ng		96
38) Dibenzo(a,h)anthracene	25.19	278	29742	0.038	ng		98
39) Benzo(g,h,i)perylene	25.81	276	100885	0.129	ng		97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082519\

Quantitation Report (Not Reviewed)

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Acq On : 25 Aug 2019 15:27
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Sample : K4409-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Quant Time: Aug 26 05:22:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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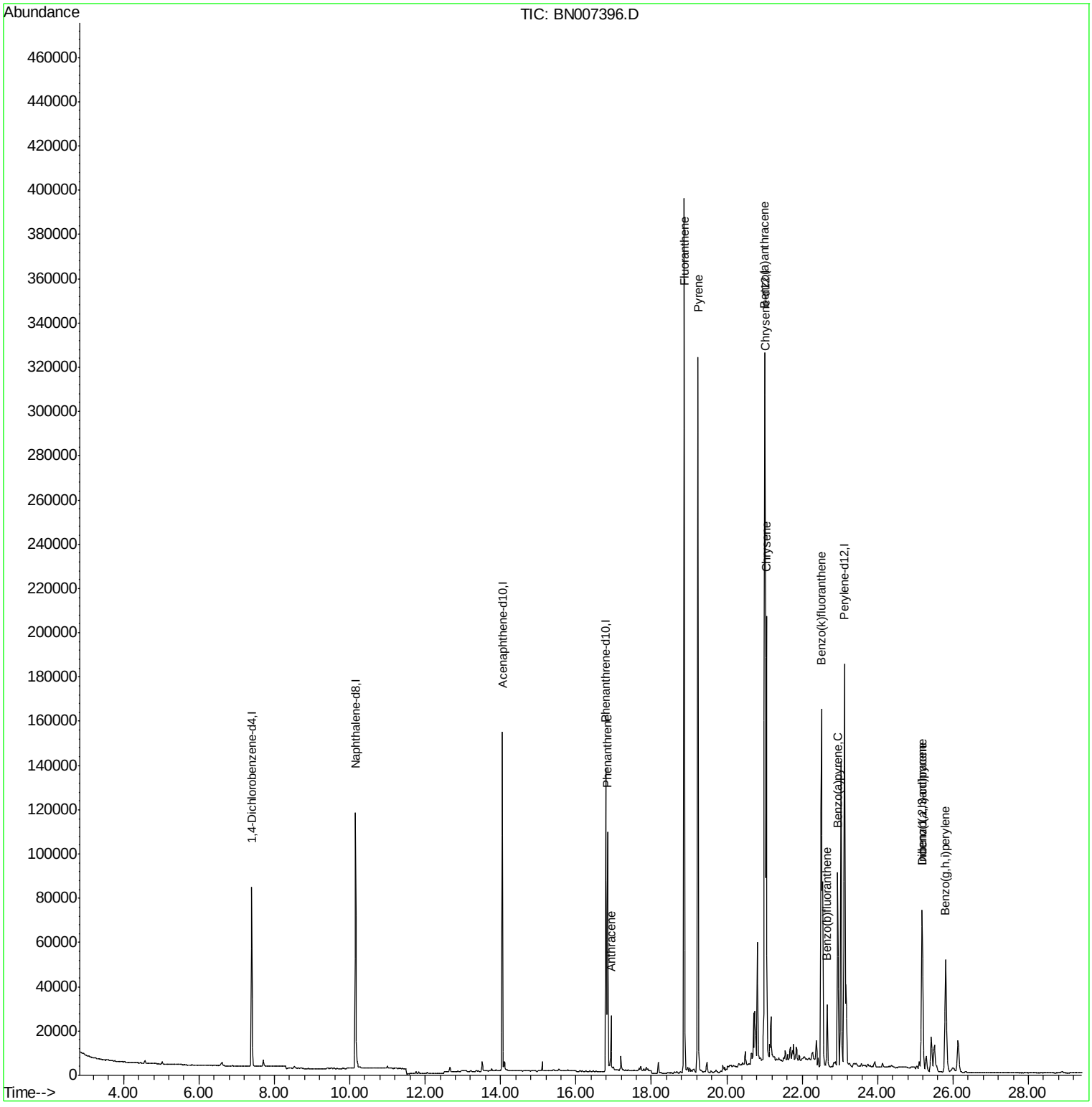
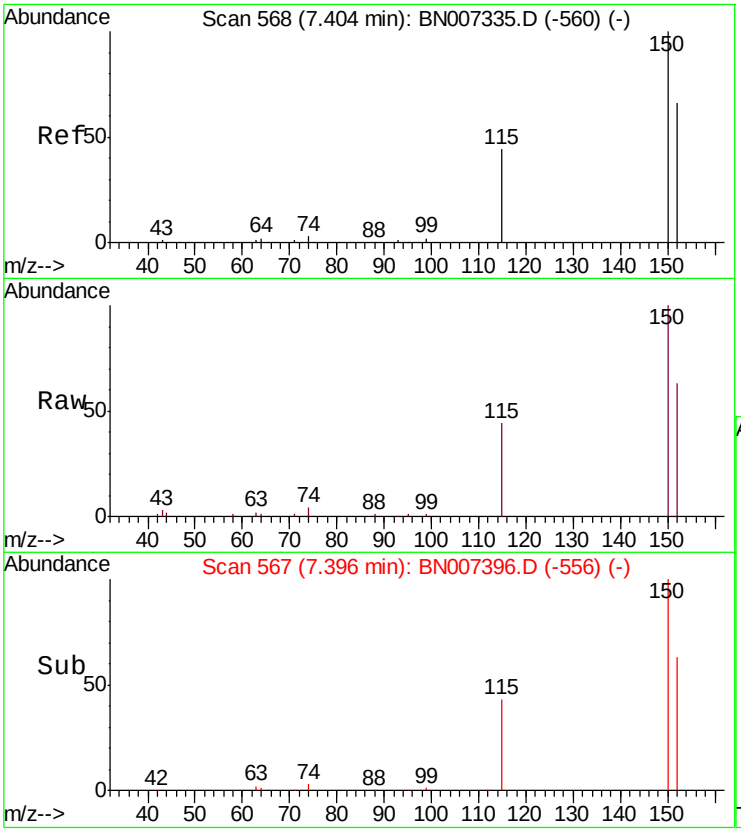
Response via : Initial Calibration



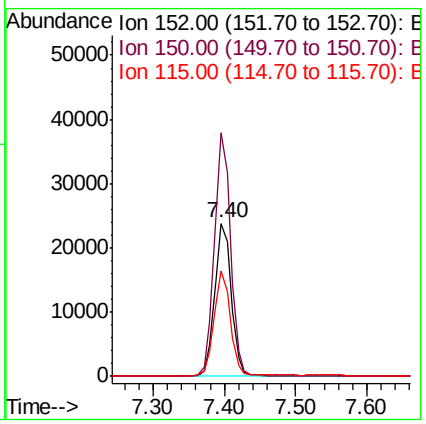


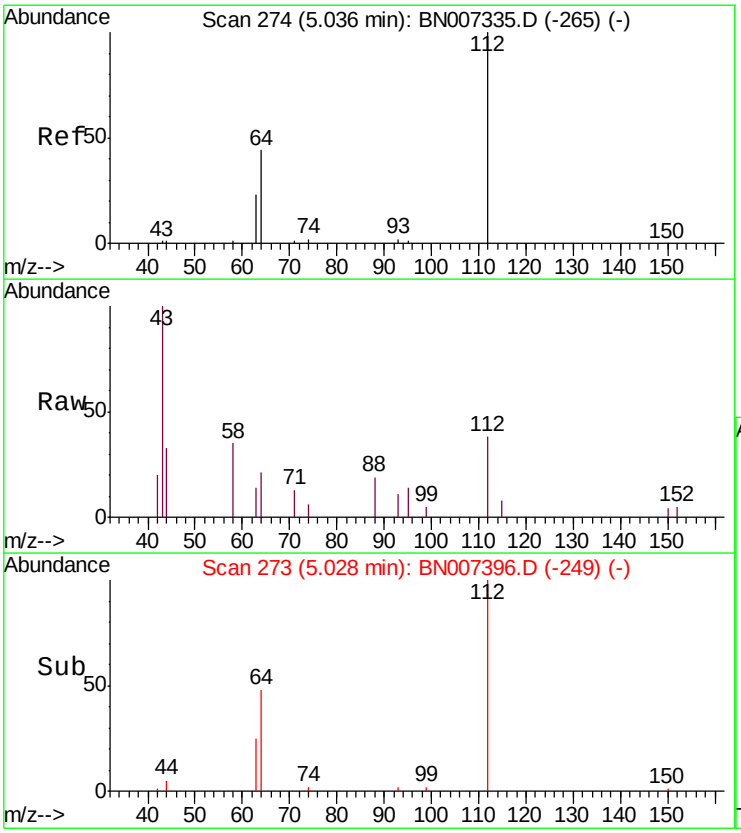
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:152 Resp: 38258

Ion	Ratio	Lower	Upper
152	100		
150	158.8	109.1	163.7
115	69.1	59.6	89.4

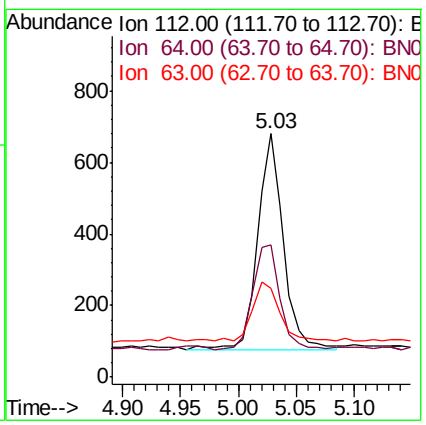


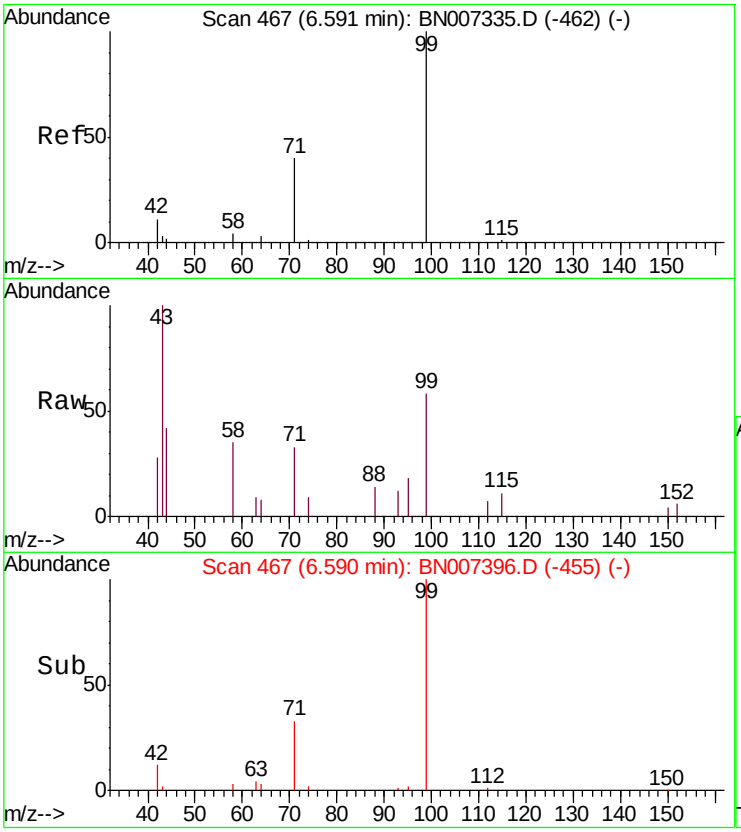


#4
2-Fluorophenol
Concen: -0.023 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:112 Resp: 925

Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.3	63.5
63	30.4	23.6	35.4



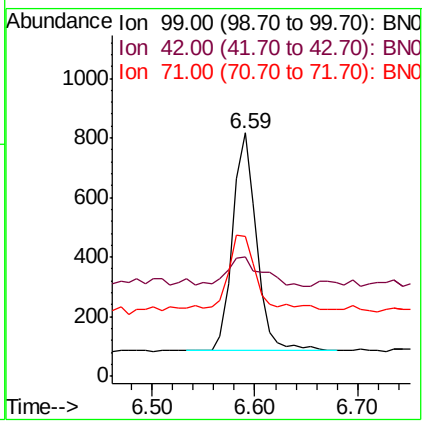


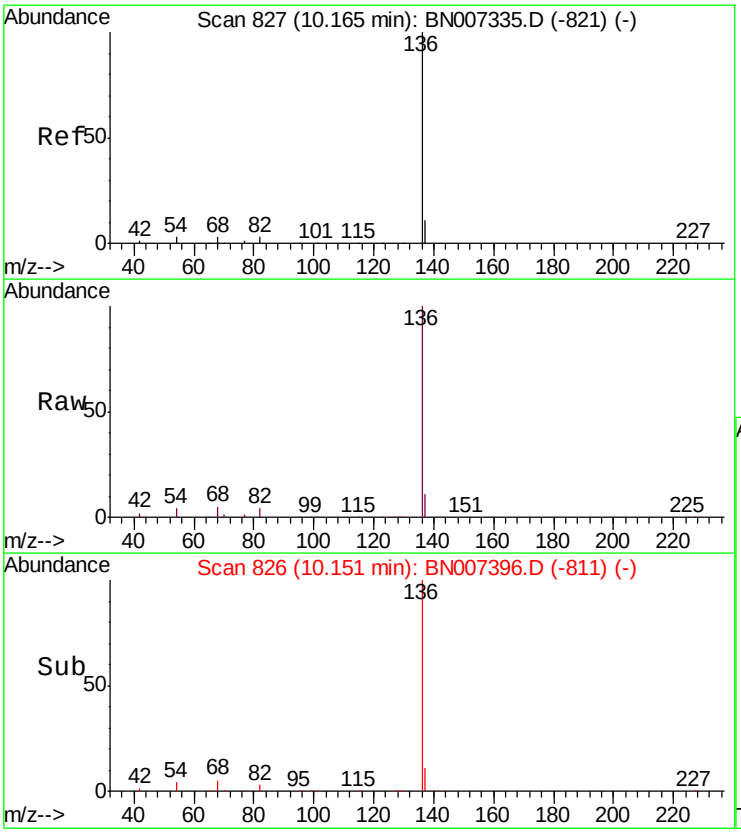
#5
Phenol-d6
Concen: -0.025 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion: 99 Resp: 1176

Ion	Ratio	Lower	Upper
99	100		
42	20.0	11.2	16.8#
71	40.8	31.8	47.8

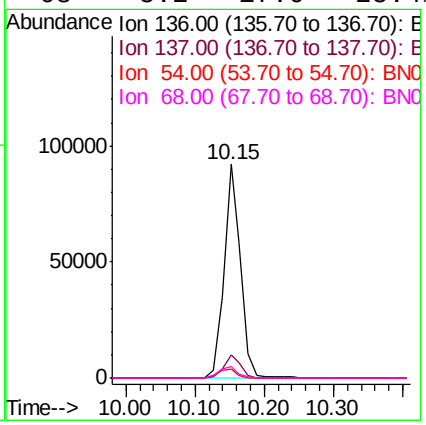


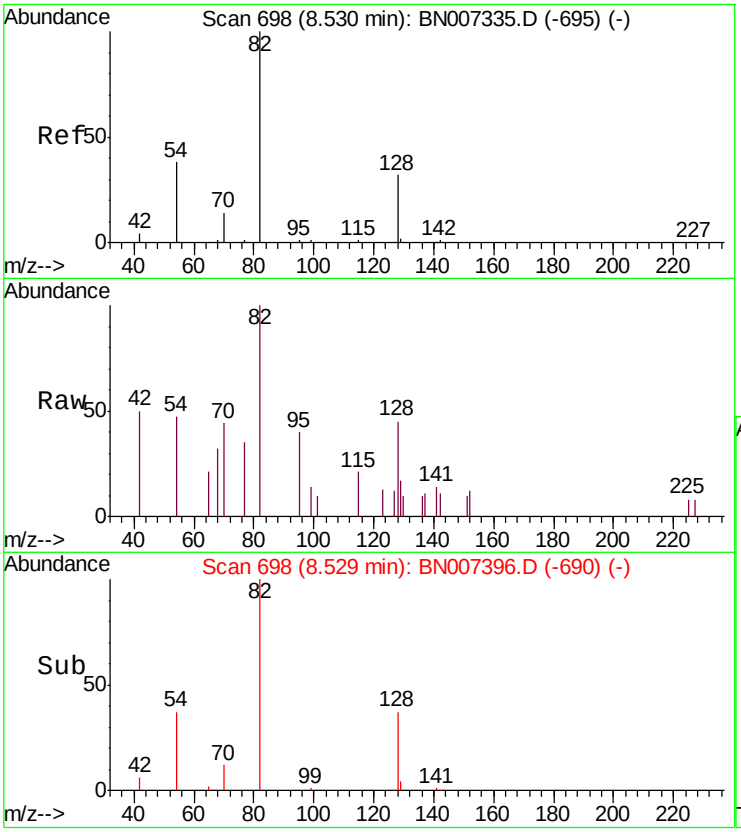


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:136 Resp: 153724

Ion	Ratio	Lower	Upper
136	100		
137	10.9	12.9	19.3#
54	4.1	8.6	12.8#
68	5.2	17.0	25.4#



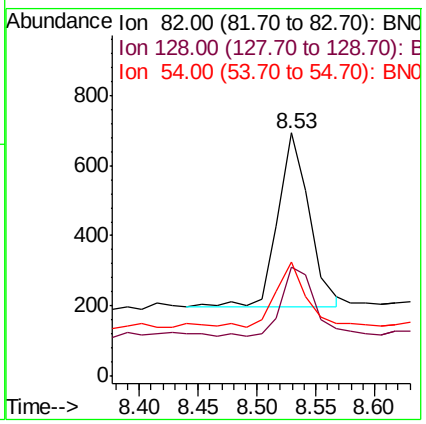


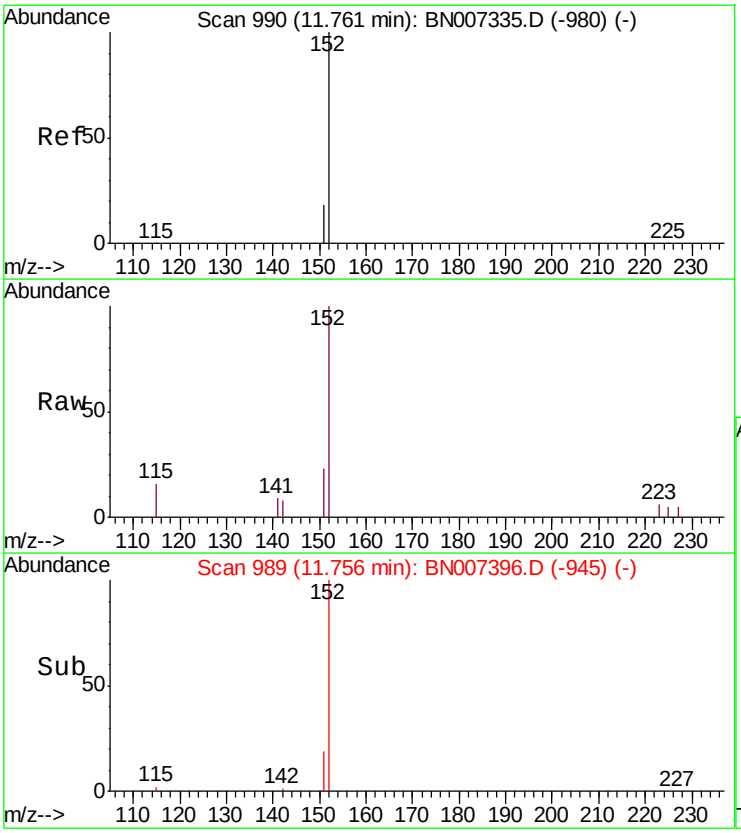
#8
Nitrobenzene-d5
Concen: 0.007 ng
RT: 8.53 min Scan# 698
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion: 82 Resp: 924

Ion	Ratio	Lower	Upper
82	100		
128	44.7	19.7	29.5#
54	46.8	25.8	38.6#

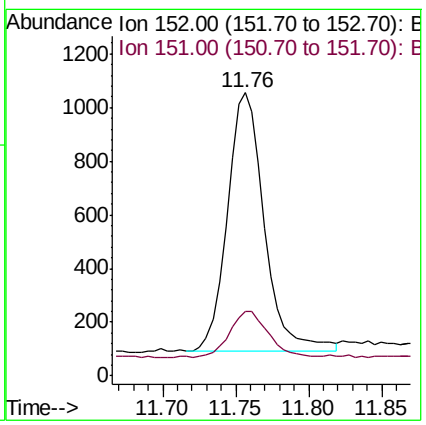


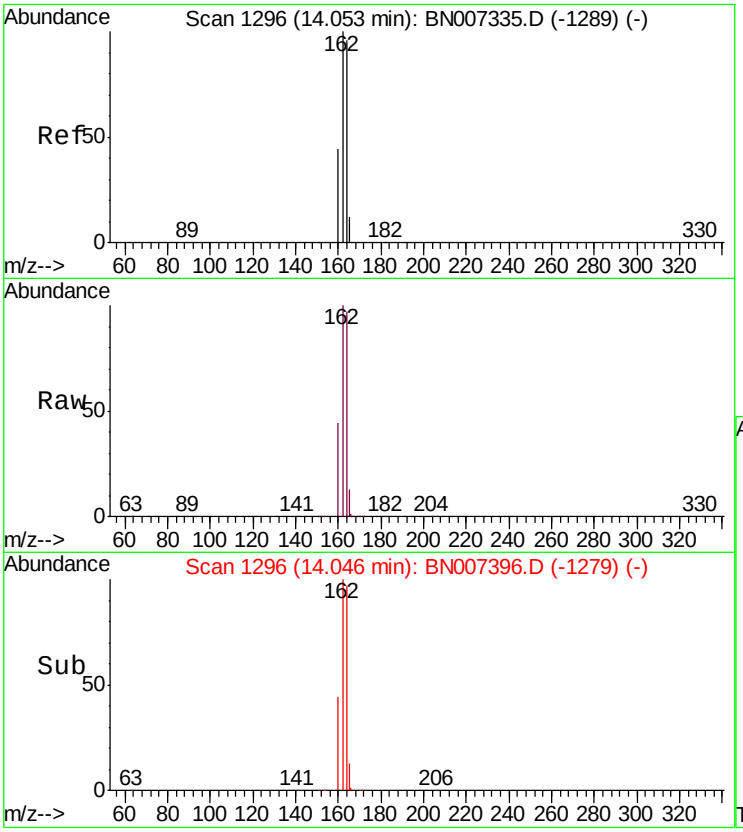


#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:152 Resp: 1713

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2



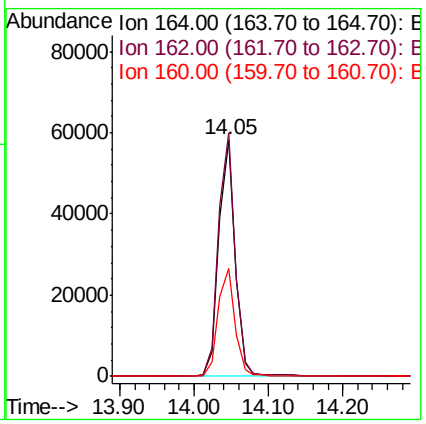


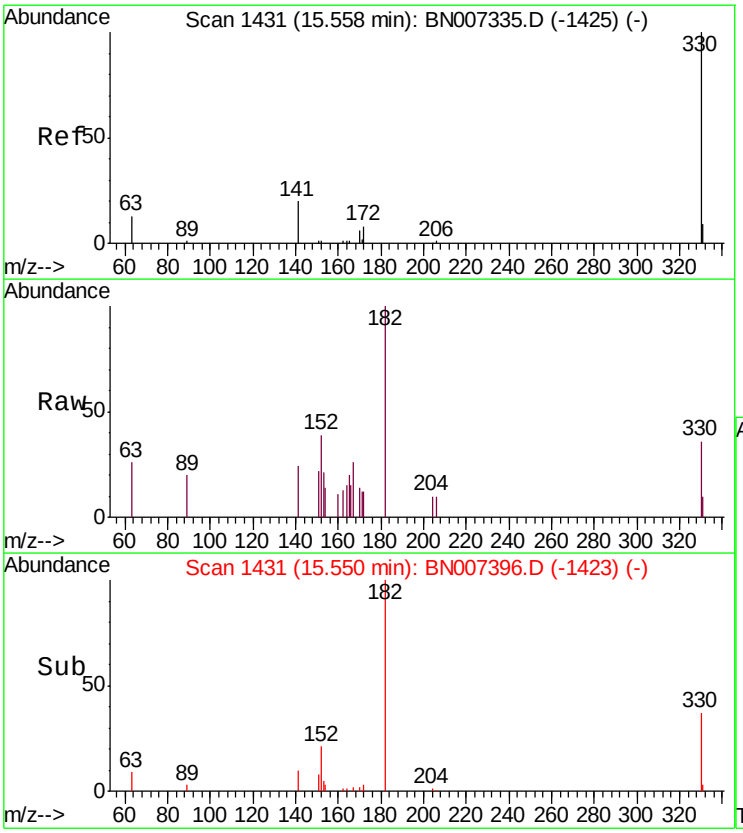
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:164 Resp: 89194

Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.5	125.3
160	45.5	38.2	57.4

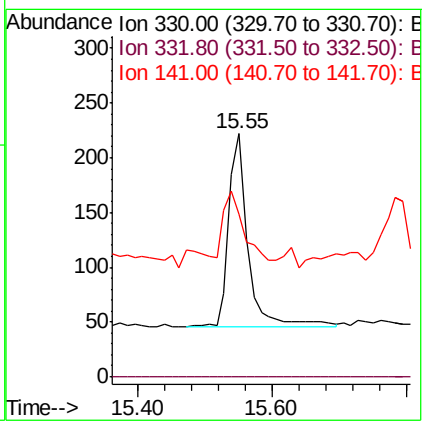


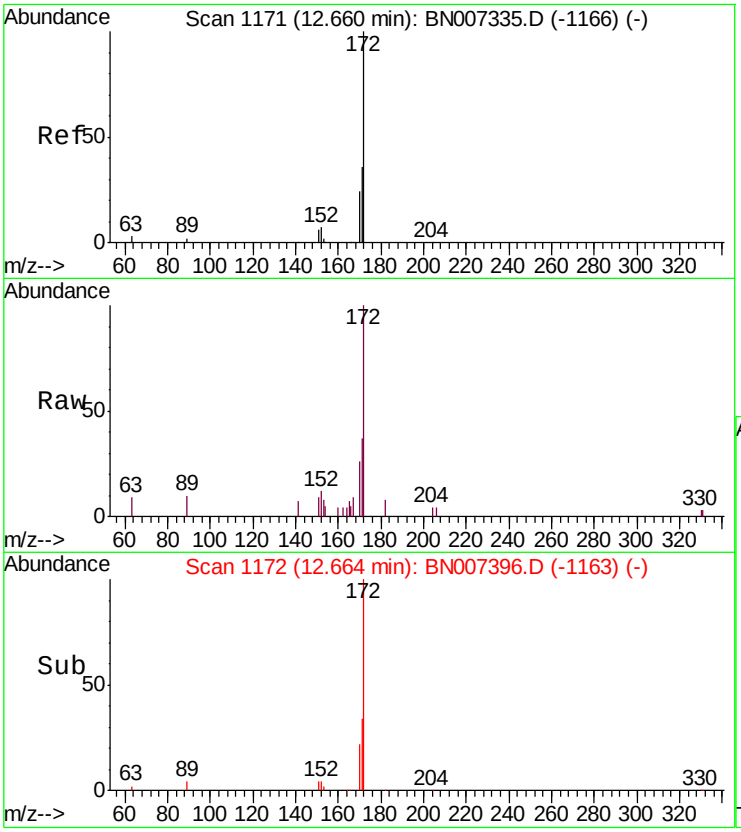


#14
2,4,6-Tribromophenol
Concen: 0.007 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:330 Resp: 343

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.3	26.9	40.3



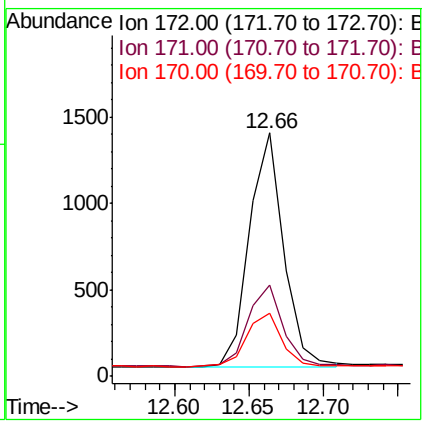


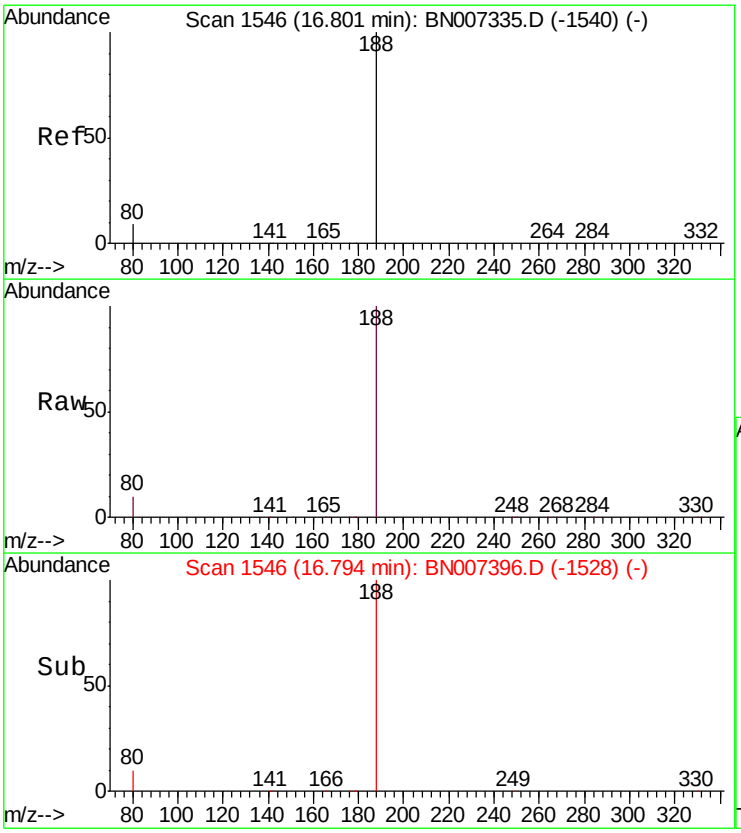
#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:172 Resp: 2179

Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.3	45.5
170	25.7	20.7	31.1

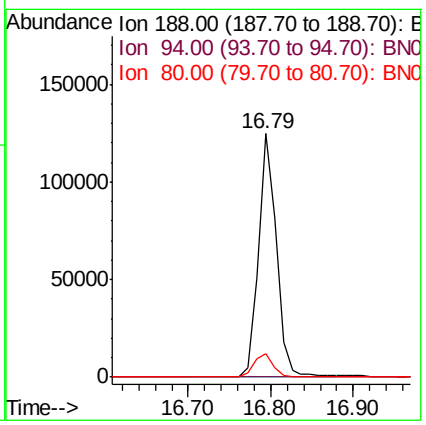


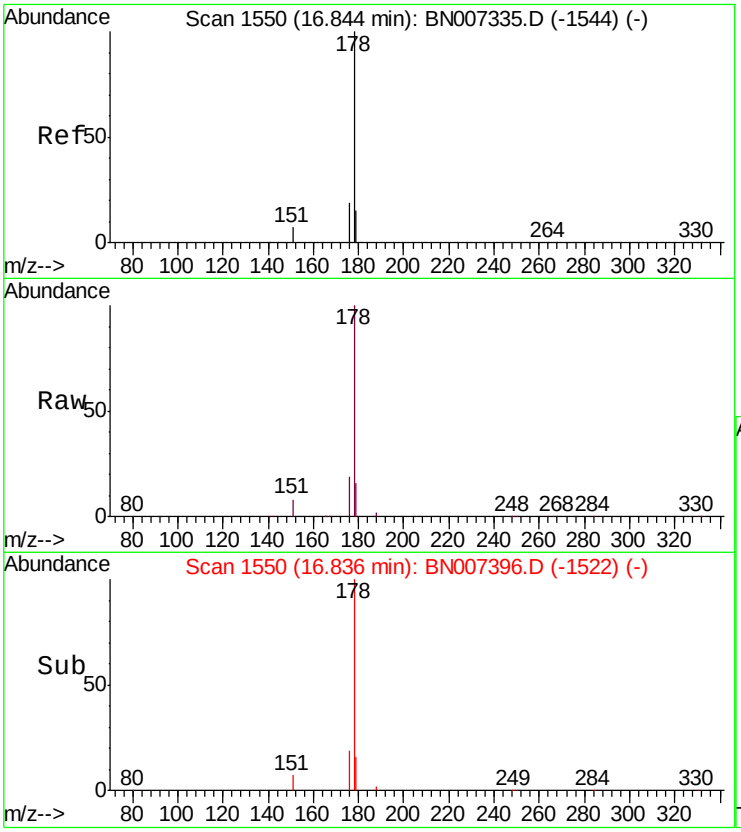


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:188 Resp: 184236

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	11.8	17.8#



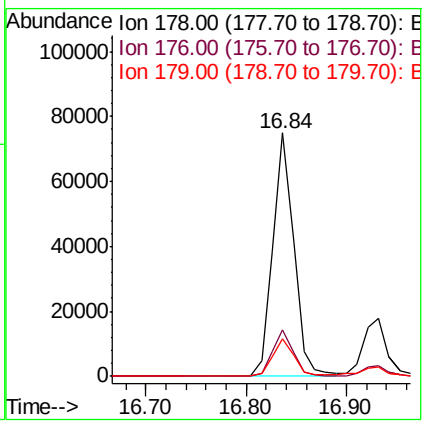


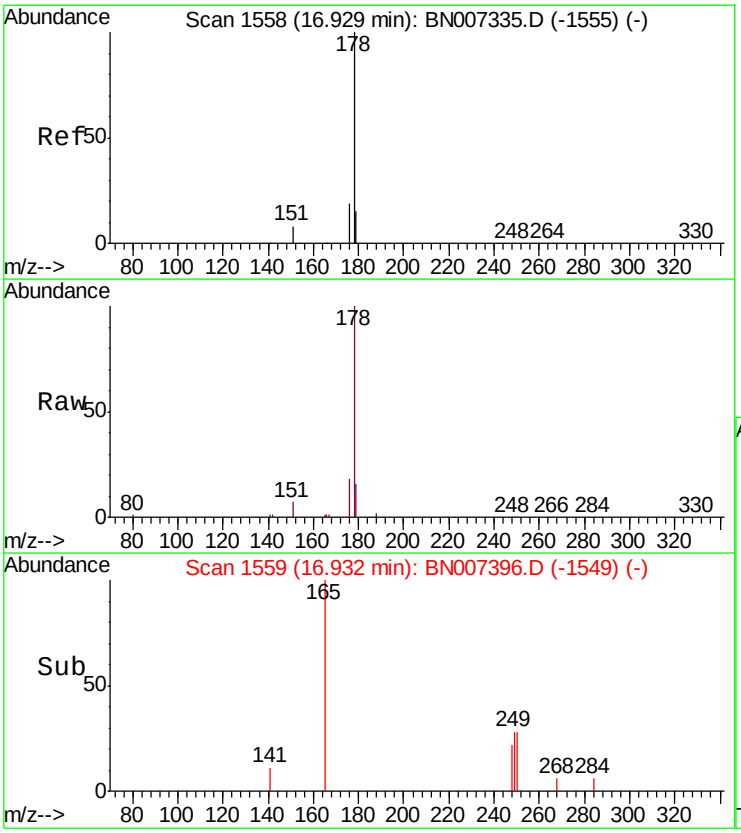
#23
Phenanthrene
Concen: 0.196 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:178 Resp: 108576

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.6	19.0

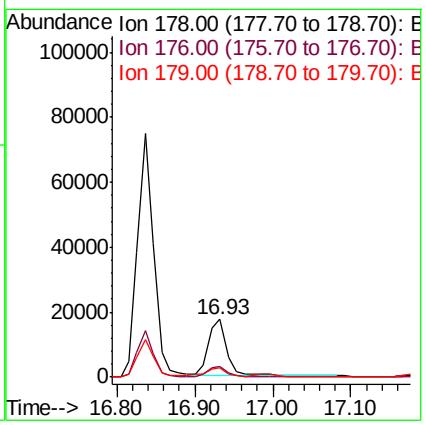


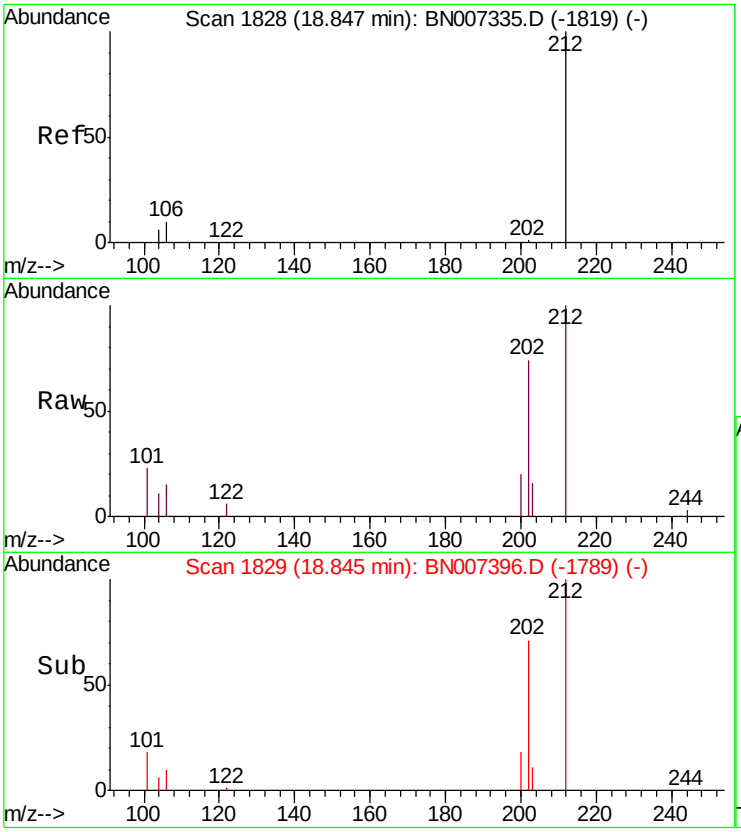


#24
Anthracene
Concen: 0.052 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:178 Resp: 29242

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.9	22.3
179	15.8	12.4	18.6



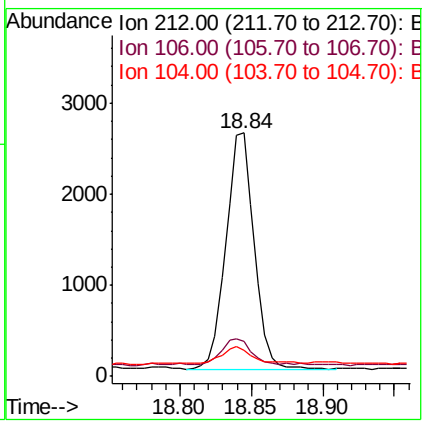


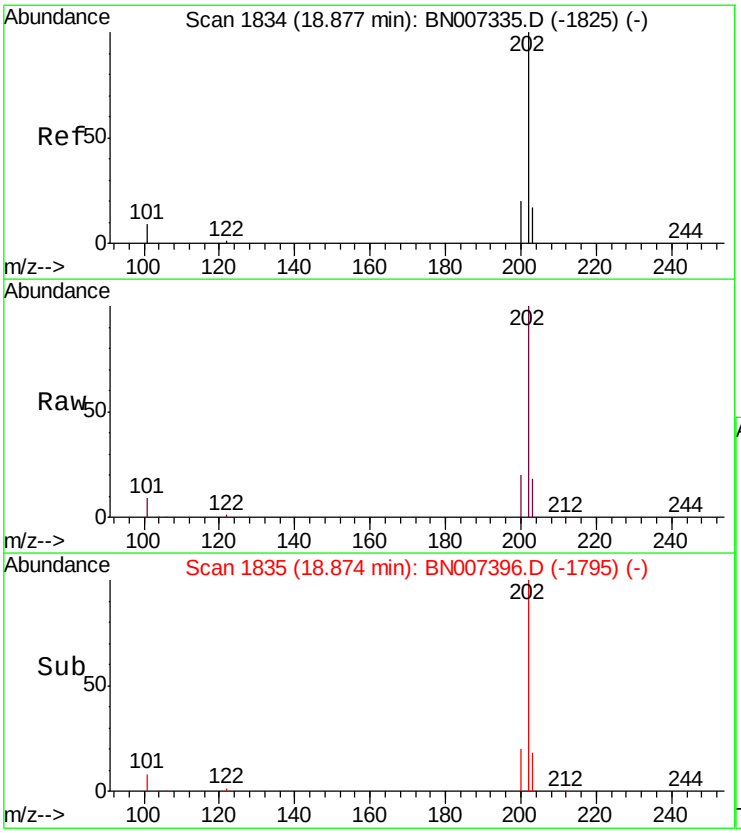
#25
Fluoranthene-d10
Concen: 0.006 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:212 Resp: 3534

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.0	13.4
104	8.9	5.4	8.2#

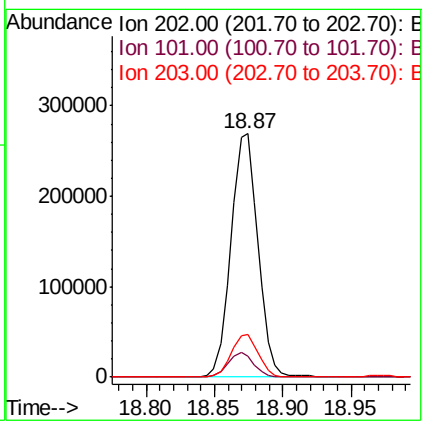


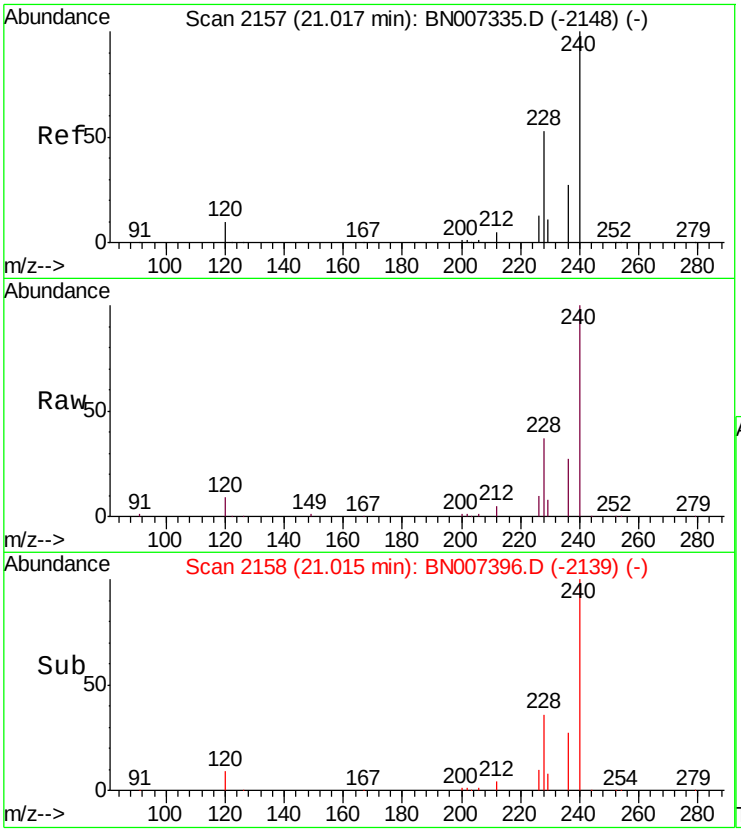


#26
Fluoranthene
Concen: 0.517 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:202 Resp: 367579

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.7	11.5
203	17.4	13.7	20.5



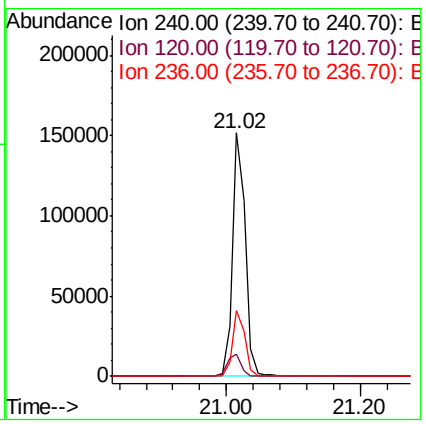


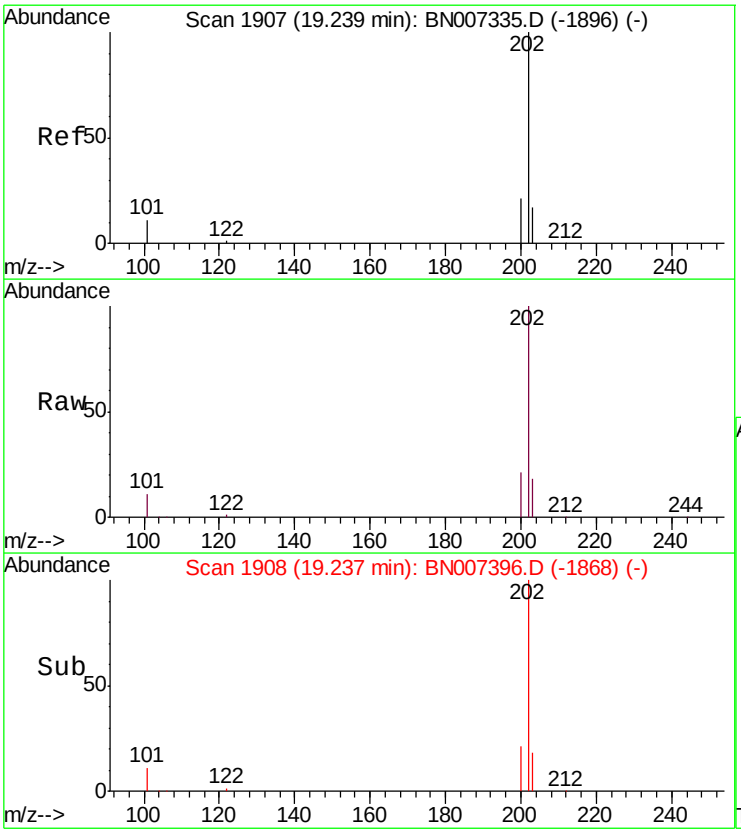
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:240 Resp: 201482

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.6	14.4#
236	26.8	22.2	33.2

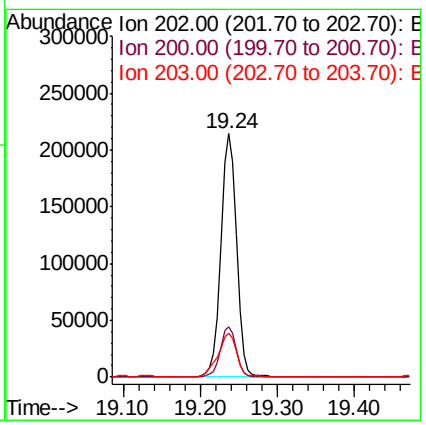


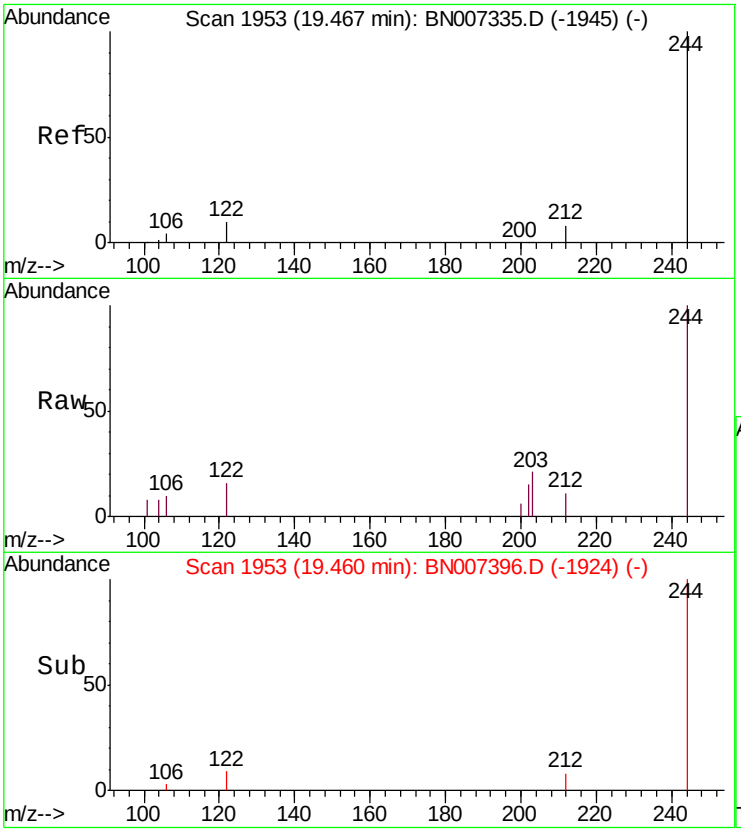


#28
Pyrene
Concen: 0.374 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:202 Resp: 302738

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	21.5	14.2	21.4#



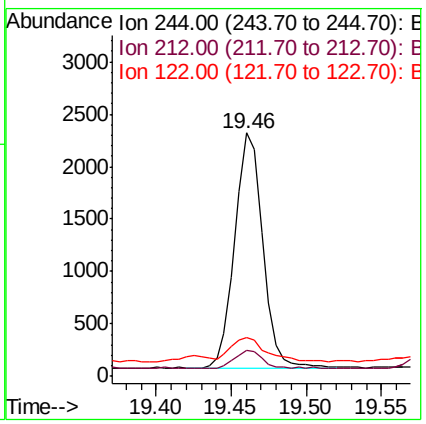


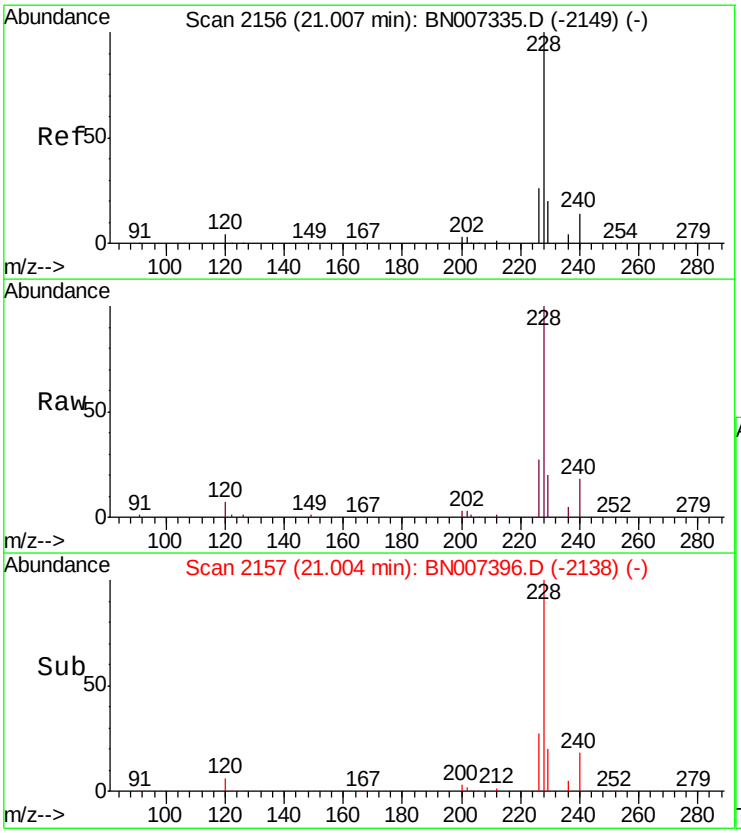
#29
Terphenyl-d14
Concen: 0.006 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:244 Resp: 2930

Ion	Ratio	Lower	Upper
244	100		
212	10.9	7.0	10.6#
122	16.2	9.6	14.4#

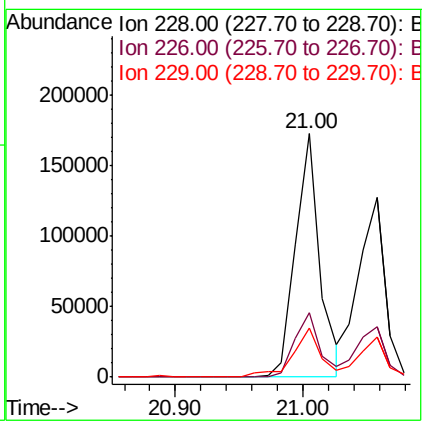


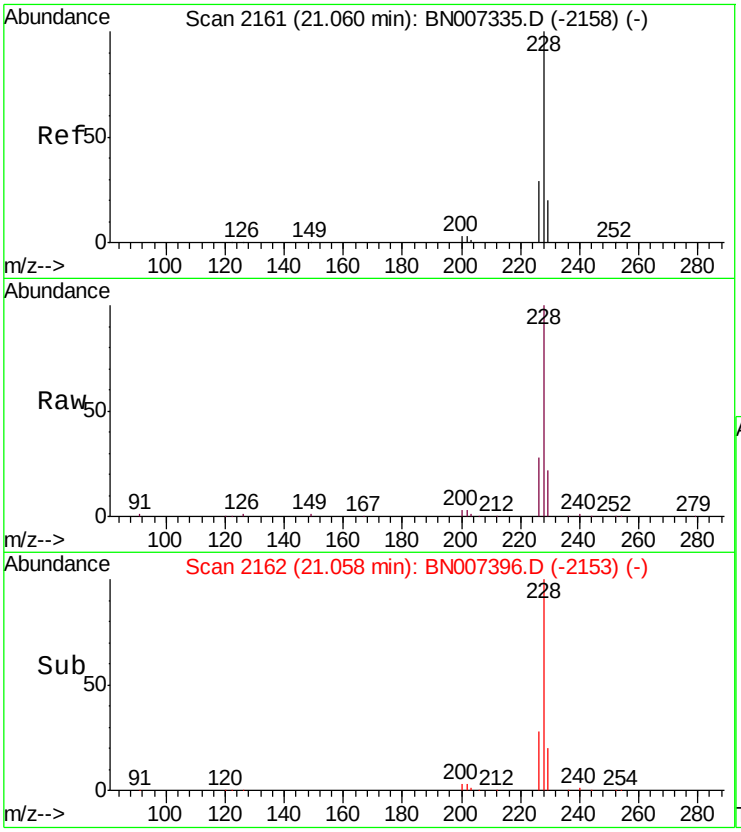


#30
Benzo(a)anthracene
Concen: 0.286 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:228 Resp: 226561

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.1	16.1	24.1



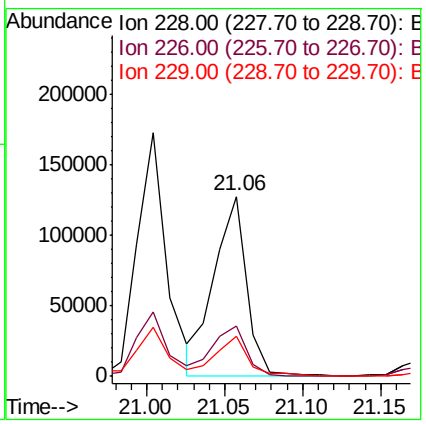


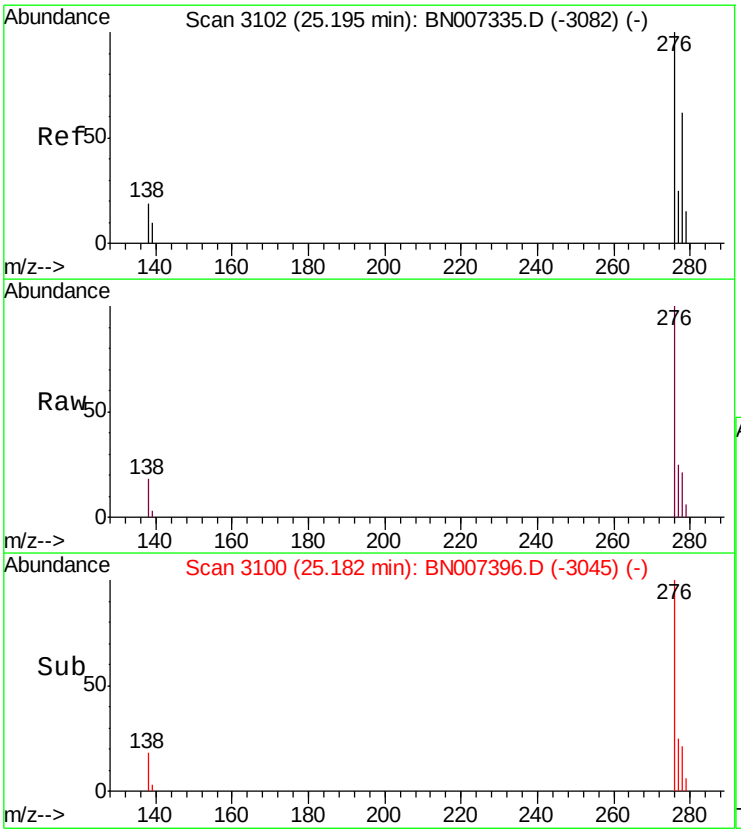
#31
Chrysene
Concen: 0.238 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:228 Resp: 182117

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.5	35.3
229	22.0	16.6	24.8

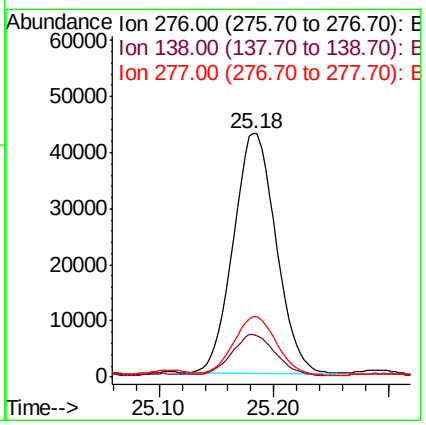


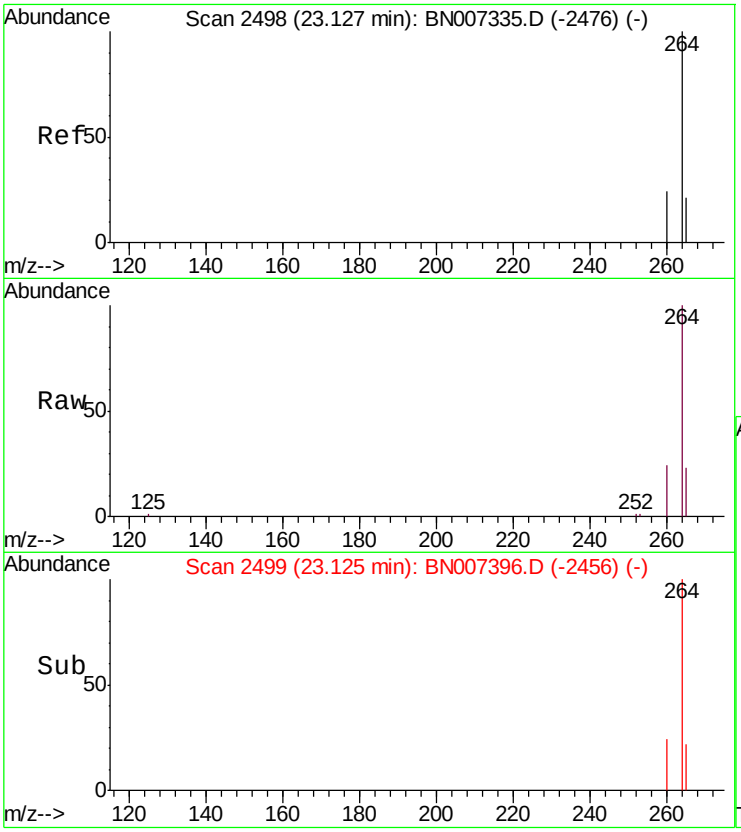


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.121 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:276 Resp: 111086

Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.1	22.7
277	25.1	19.7	29.5



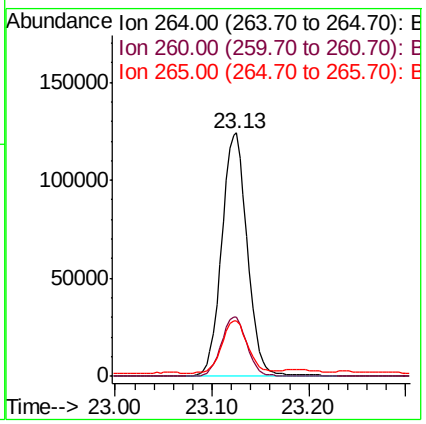


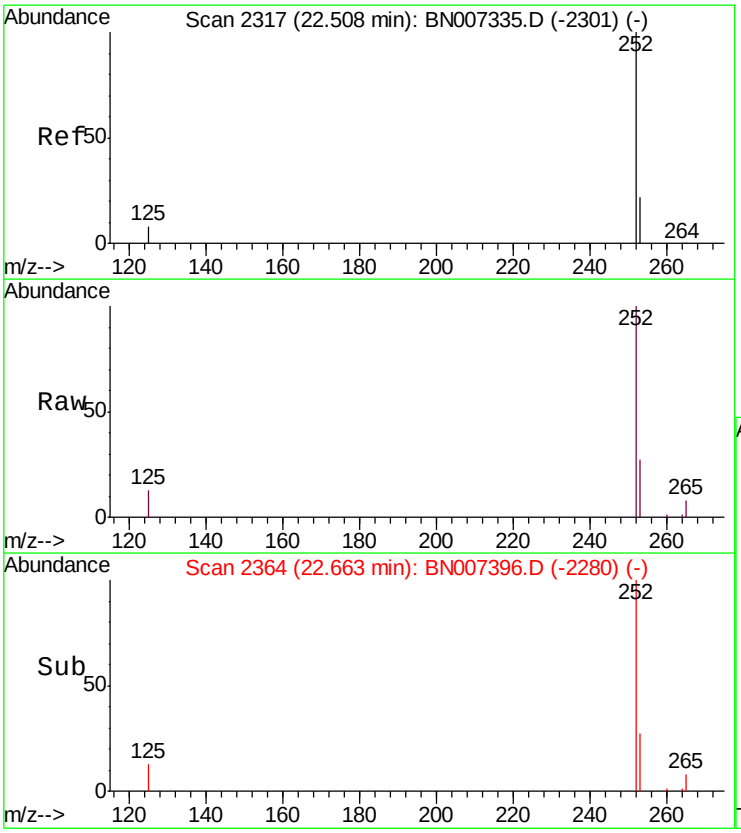
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2499
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:264 Resp: 227350

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.9	29.9	44.9#

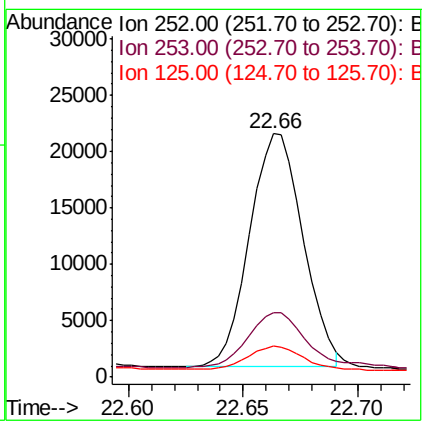


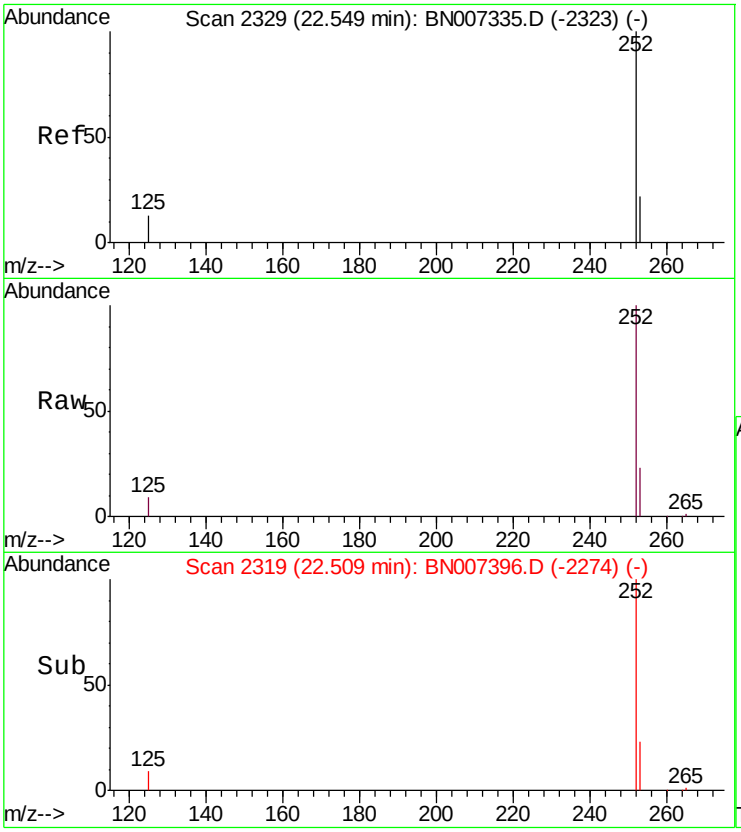


#35
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 22.66 min Scan# 2364
Delta R.T. 0.16 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:252 Resp: 33374

Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.2	28.8
125	12.6	10.6	16.0



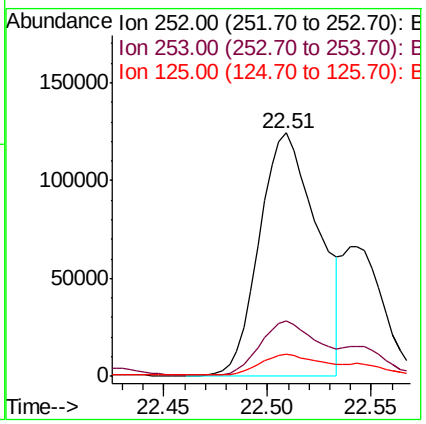


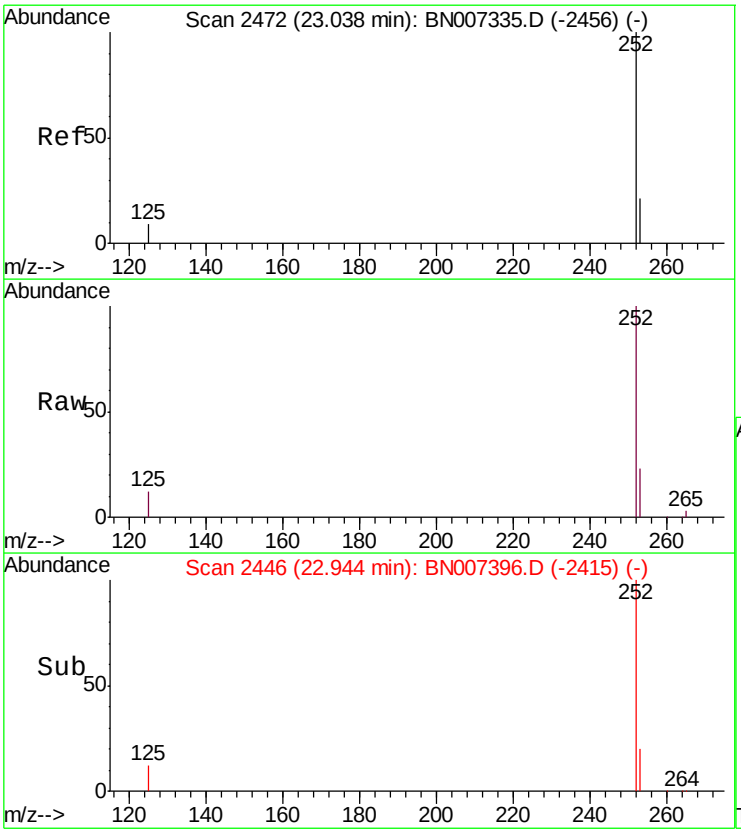
#36
Benzo(k)fluoranthene
Concen: 0.297 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.04 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:252 Resp: 241893

Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.4	29.2
125	8.9	13.1	19.7#

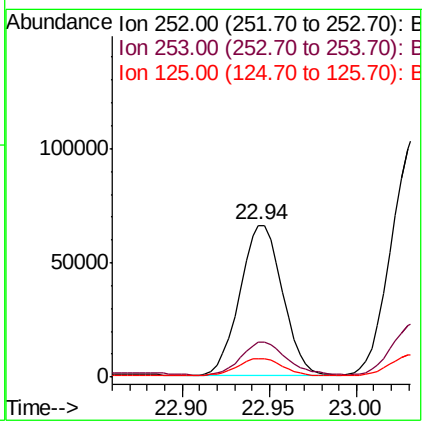


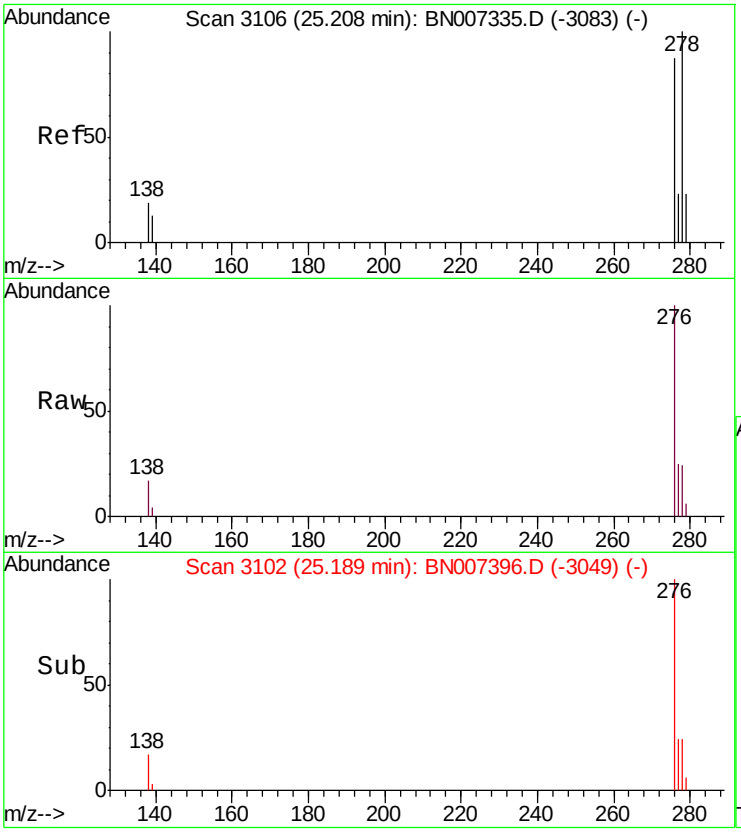


#37
Benzo(a)pyrene
Concen: 0.143 ng
RT: 22.94 min Scan# 2446
Delta R.T. -0.09 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:252 Resp: 112394

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.5	29.3
125	12.5	12.1	18.1



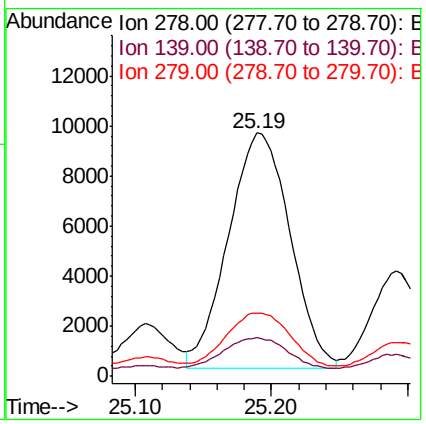


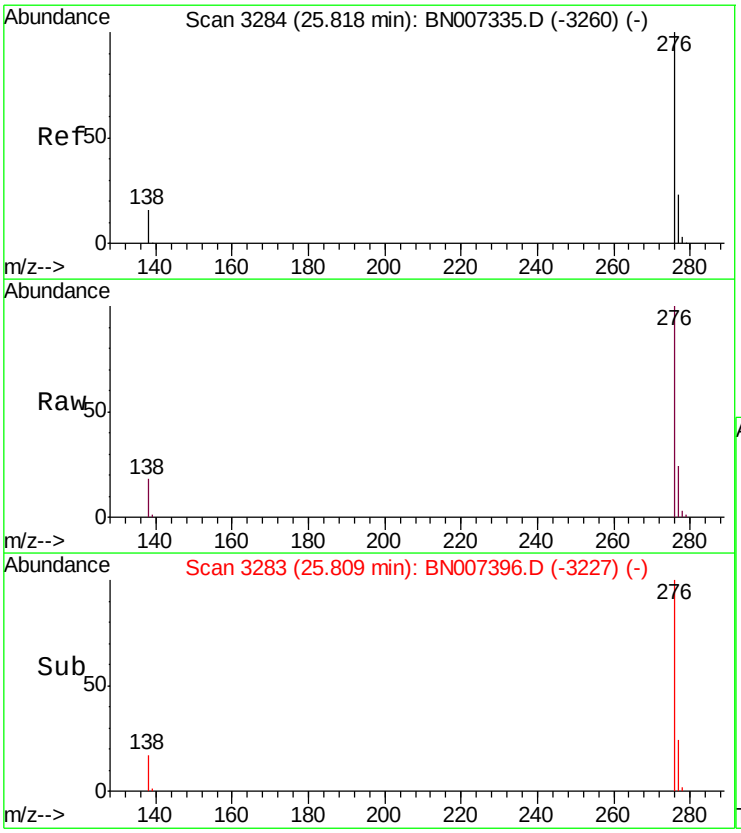
#38
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion:278 Resp: 29742

Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.7	20.5
279	26.2	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.129 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:276 Resp: 100885

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	17.8	16.3	24.5