Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
Data File : BN007861.D
Acq On : 25 Sep 2019 19:29
Operator : JU
Sample : K4994-07MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-B231-091919-1MS

Manual Integrations APPROVED

Quant Time: Sep 26 07:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.69	152	11191	0.40	ng	0.00	
7) Naphthalene-d8	10.46	136	43136	0.40	ng	-0.01	
13) Acenaphthene-d10	14.31	164	24627	0.40	ng	-0.01	
19) Phenanthrene-d10	17.06	188	44783	0.40	ng	-0.01	
27) Chrysene-d12	21.26	240	33287	0.40	ng	-0.01	
34) Perylene-d12	23.47	264	39214	0.40	ng	-0.02	mohammad
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	10547	0.27	ng	0.00	
5) Phenol-d6	6.86	99	14083	0.29	ng	0.00	
8) Nitrobenzene-d5	8.82	82	12198	0.32	ng	-0.01	9/27/2019 8:27:56 AM
11) 2-Methylnaphthalene-d10	12.05	152	25198m	0.35	ng	-0.01	
14) 2,4,6-Tribromophenol	15.81	330	2557	0.19	ng	-0.01	
15) 2-Fluorobiphenyl	12.93	172	33043	0.33	ng	-0.01	
25) Fluoranthene-d10	19.09	212	38189m	0.25	ng	-0.01	
29) Terphenyl-d14	19.70	244	31392	0.38	ng	-0.01	
Target Compounds						Qvalue	
2) 1,4-Dioxane	3.30	88	2886	0.231	ng	# 80	
3) n-Nitrosodimethylamine	3.01	42	87924	15.390	ng	# 69	
6) bis(2-Chloroethyl)ether	7.13	93	9689	0.306	ng	94	
9) Naphthalene	10.51	128	49341	0.408	ng	99	
10) Hexachlorobutadiene	10.81	225	6849	0.269	ng	# 100	
12) 2-Methylnaphthalene	12.13	142	36321	0.444	ng	99	
16) Acenaphthylene	14.03	152	100332	0.768	ng	98	
17) Acenaphthene	14.37	154	35458	0.421	ng	95	
18) Fluorene	15.36	166	53810	0.499	ng	93	
20) 4-Bromophenyl-phenylether	16.25	248	8469	0.312	ng	# 74	
21) Hexachlorobenzene	16.37	284	8236	0.277	ng	97	
22) Pentachlorophenol	16.71	266	3844	0.351	ng	94	
23) Phenanthrene	17.10	178	968771	6.944	ng	100	
24) Anthracene	17.19	178	132931	1.055	ng	98	
26) Fluoranthene	19.12	202	932485	5.376	ng	99	
28) Pyrene	19.49	202	1419205	12.501	ng	96	
30) Benzo(a)anthracene	21.24	228	565321	4.612	ng	97	
31) Chrysene	21.29	228	660657	5.530	ng	98	
32) Bis(2-ethylhexyl)phthalate	21.19	149	35533	0.564	ng	94	
33) Indeno(1,2,3-cd)pyrene	25.68	276	340013	2.273	ng	98	
35) Benzo(b)fluoranthene	22.81	252	595597	4.375	ng	99	
36) Benzo(k)fluoranthene	22.85	252	198447m	1.474	ng		
37) Benzo(a)pyrene	23.37	252	494153	3.863	ng	98	
38) Dibenzo(a,h)anthracene	25.69	278	127280	0.972	ng	96	
39) Benzo(g,h,i)perylene	26.35	276	405875	3.133	ng	99	

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

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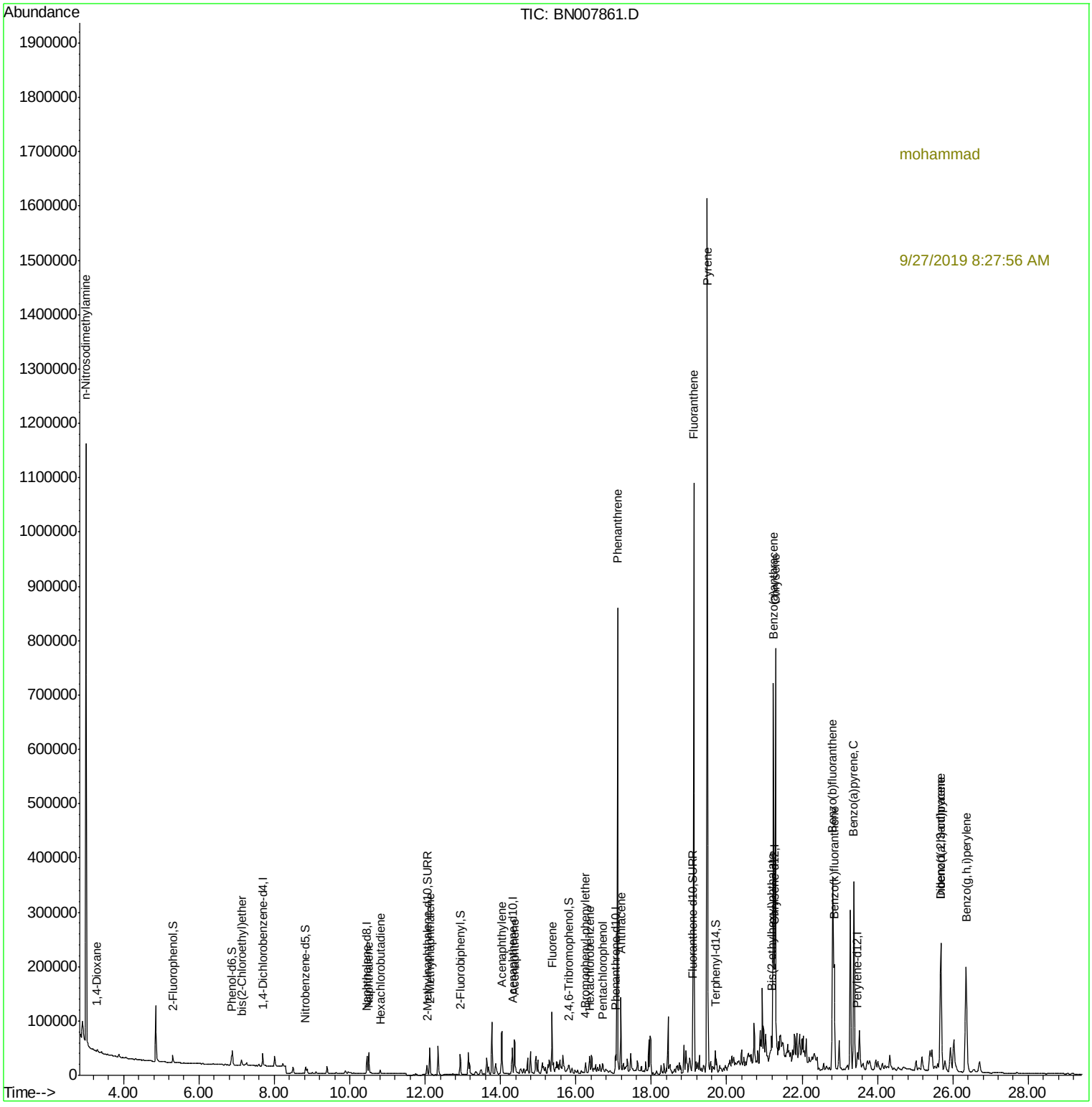
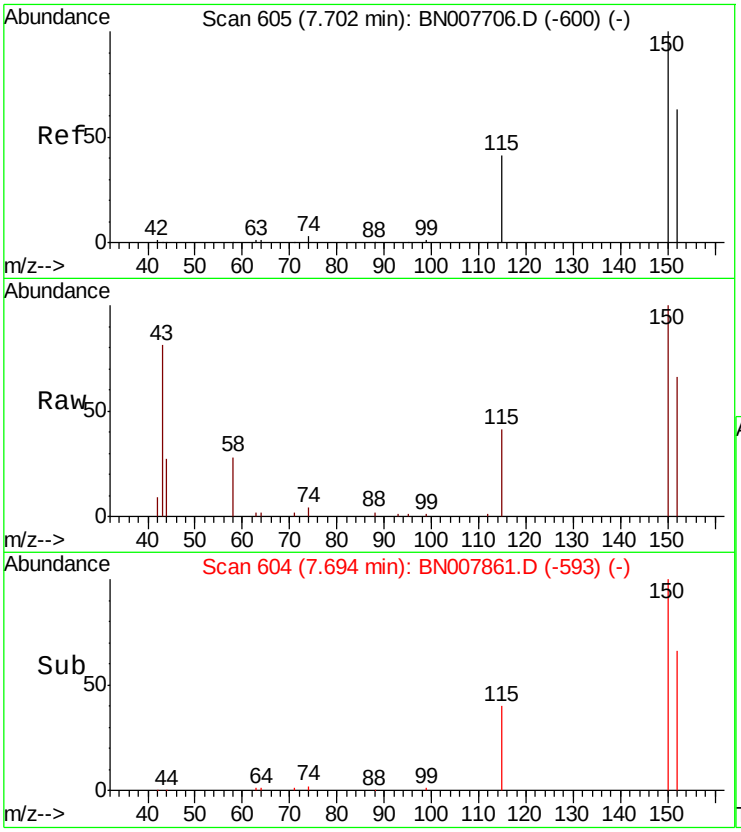
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

Manual Integrations APPROVED

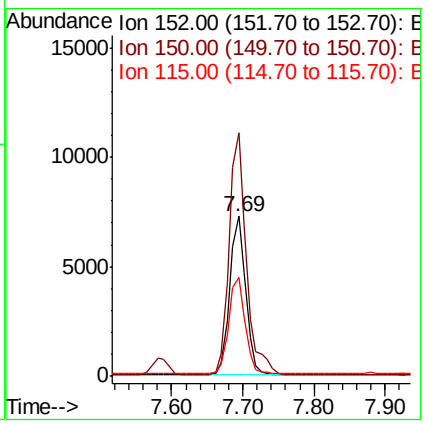




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:152 Resp: 11191

Ion	Ratio	Lower	Upper
152	100		
150	152.2	125.6	188.4
115	61.9	53.3	79.9



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

Manual Integrations APPROVED

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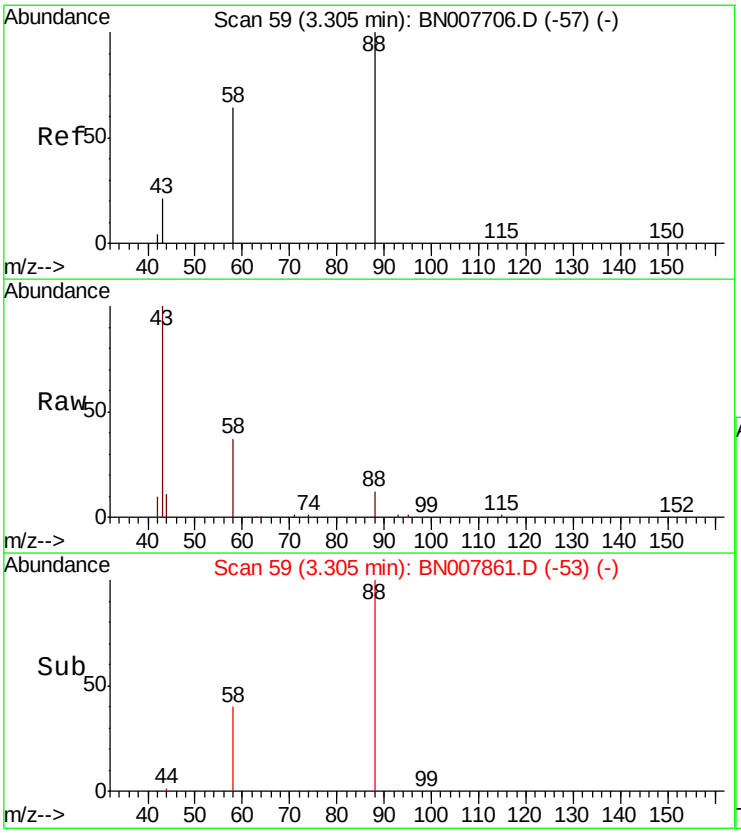
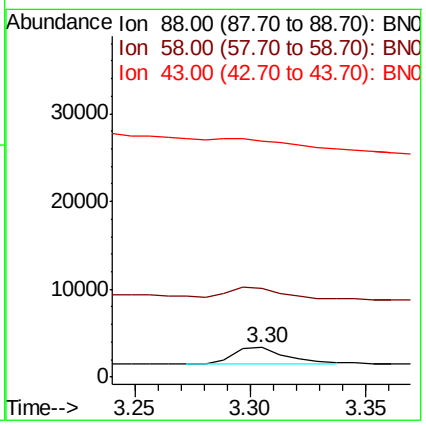
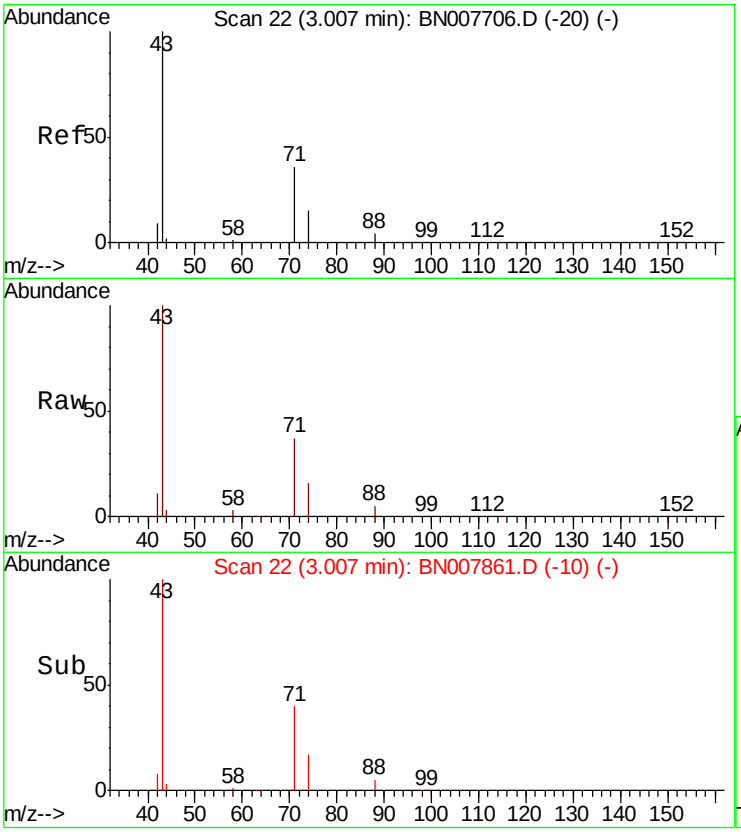


#2
1,4-Dioxane
Concen: 0.231 ng
RT: 3.30 min Scan# 59
Delta R.T. -0.00 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion: 88 Resp: 2886

Ion	Ratio	Lower	Upper
88	100		
58	65.4	44.6	66.8
43	0.0	14.4	21.6#

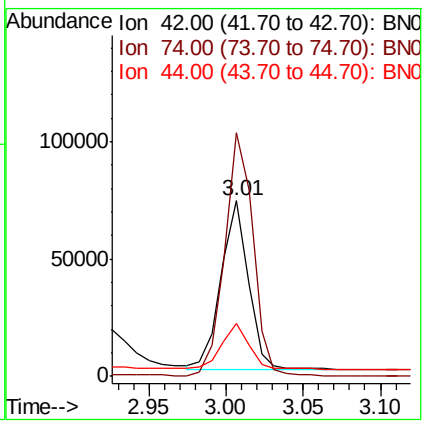




#3
n-Nitrosodimethylamine
Concen: 15.390 ng
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion: 42 Resp: 87924

Ion	Ratio	Lower	Upper
42	100		
74	147.4	87.9	131.9#
44	26.9	29.4	44.0#



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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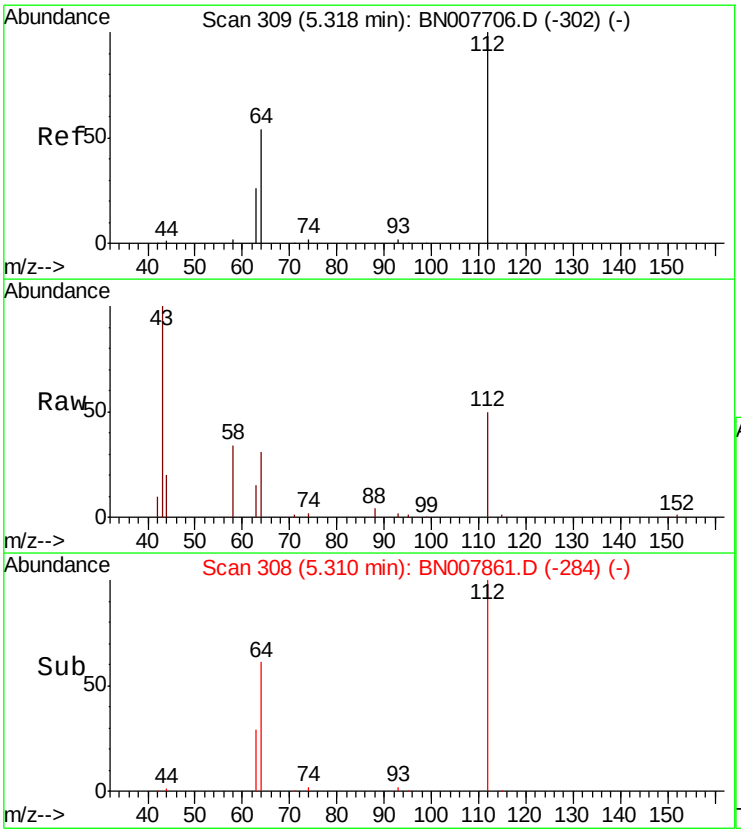
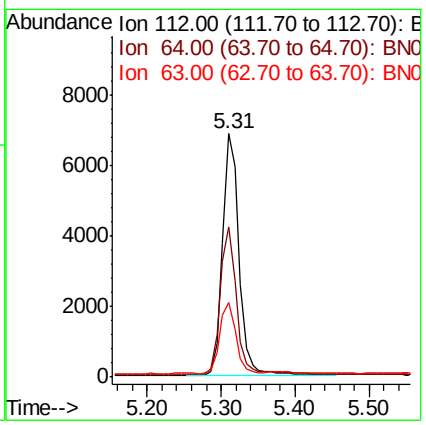
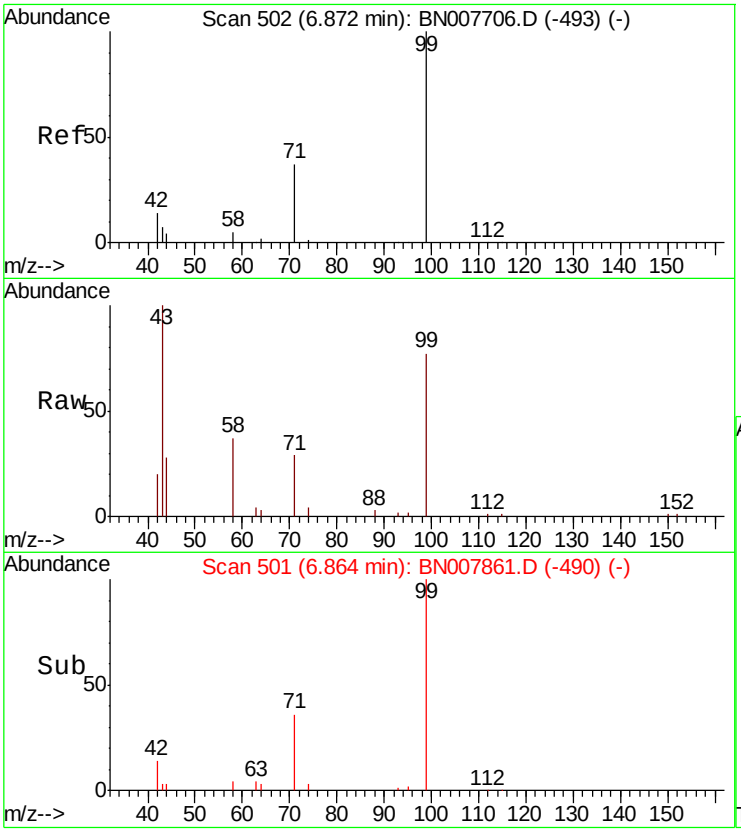


#4
2-Fluorophenol
Concen: 0.274 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:112 Resp: 10547

Ion	Ratio	Lower	Upper
112	100		
64	60.0	46.6	70.0
63	28.6	23.1	34.7

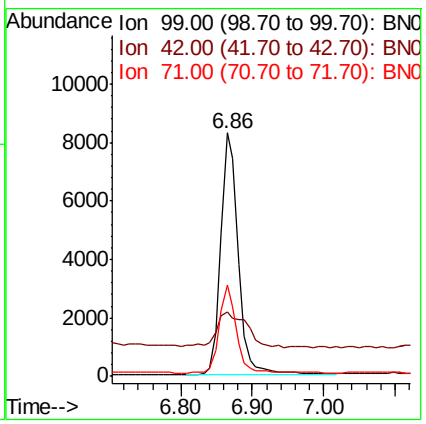




#5
Phenol-d6
Concen: 0.292 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion: 99 Resp: 14083

Ion	Ratio	Lower	Upper
99	100		
42	25.3	12.8	19.2#
71	35.4	27.6	41.4



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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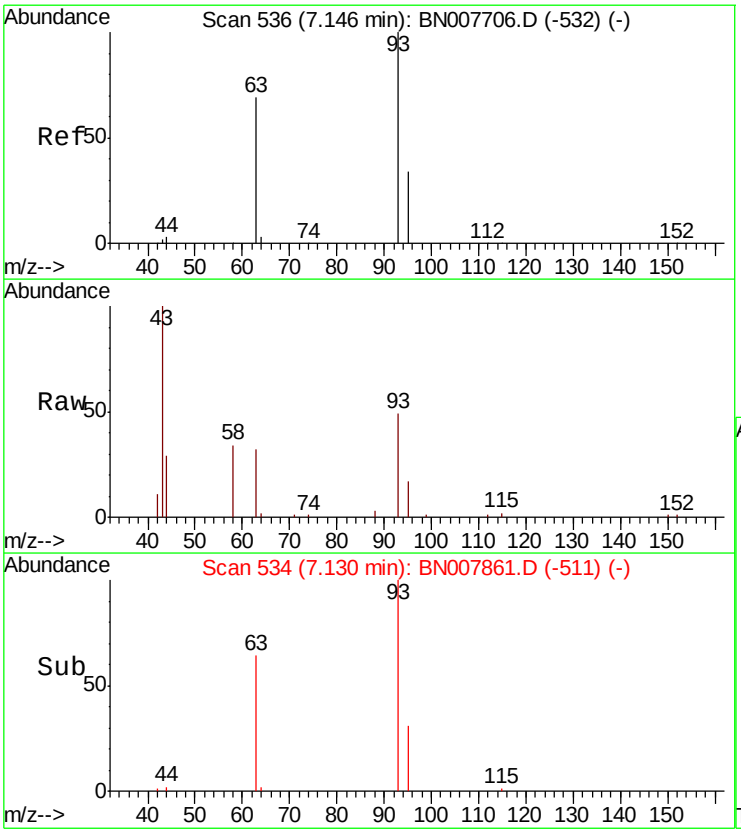
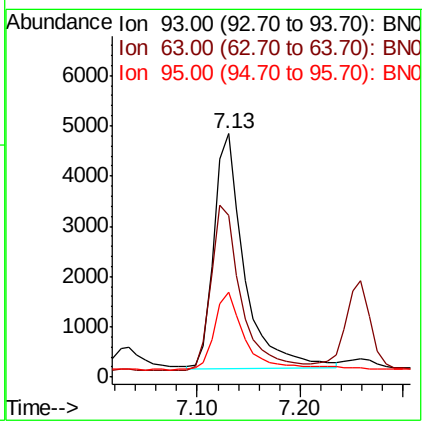
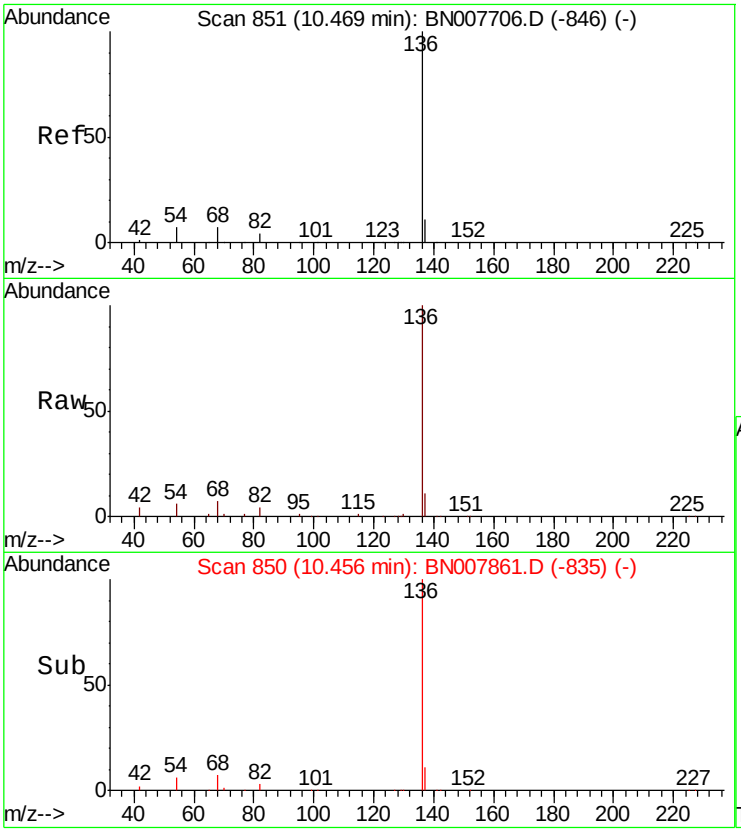


#6
bis(2-Chloroethyl)ether
Concen: 0.306 ng
RT: 7.13 min Scan# 534
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion: 93 Resp: 9689

Ion	Ratio	Lower	Upper
93	100		
63	70.7	59.3	88.9
95	32.9	31.4	47.0

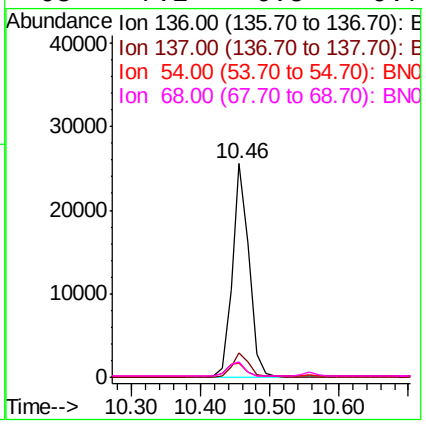




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:136 Resp: 43136

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.5	5.8	8.8
68	7.2	6.5	9.7



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

Manual Integrations APPROVED

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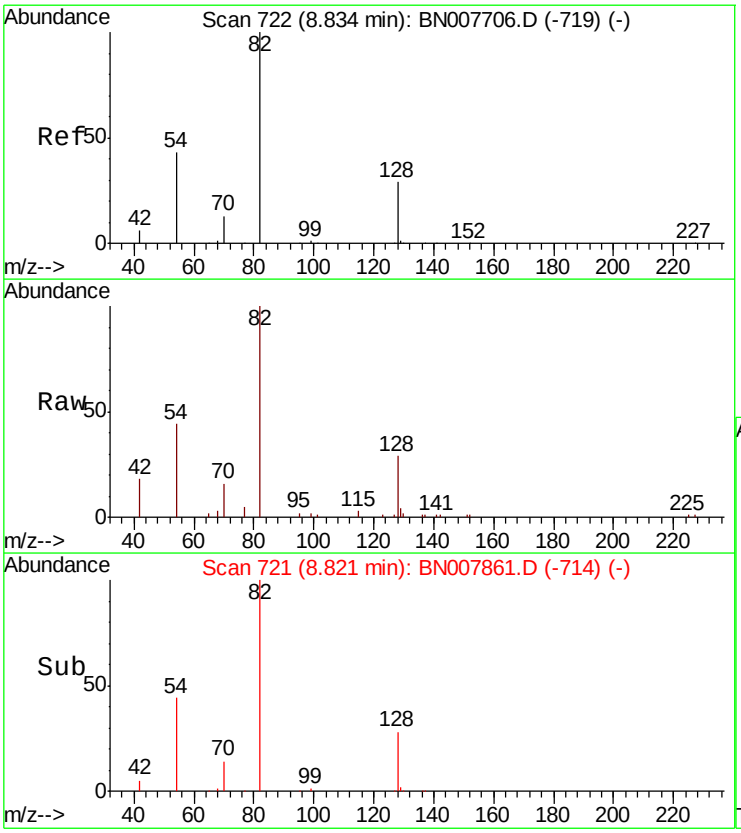
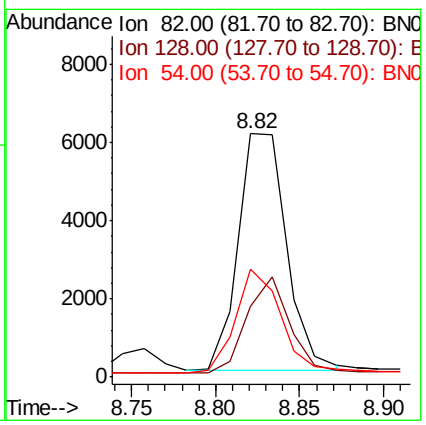
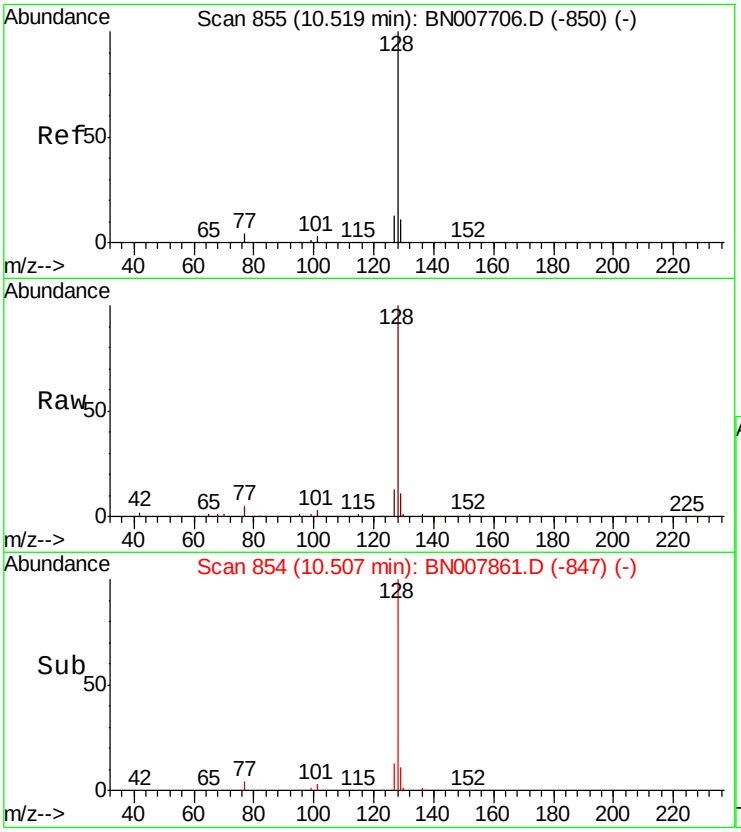


#8
Nitrobenzene-d5
Concen: 0.323 ng
RT: 8.82 min Scan# 721
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion: 82 Resp: 12198

Ion	Ratio	Lower	Upper
82	100		
128	29.0	24.5	36.7
54	44.3	35.2	52.8

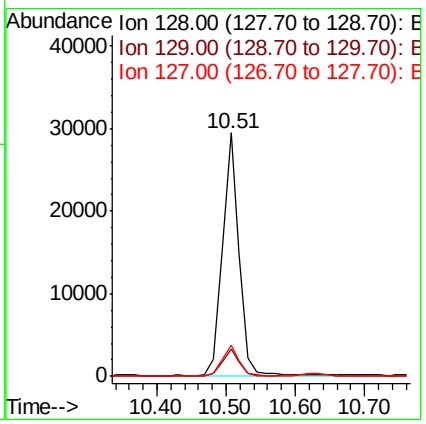




#9
Naphthalene
Concen: 0.408 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:128 Resp: 49341

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.0	10.6	15.8



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ClientSampleId :
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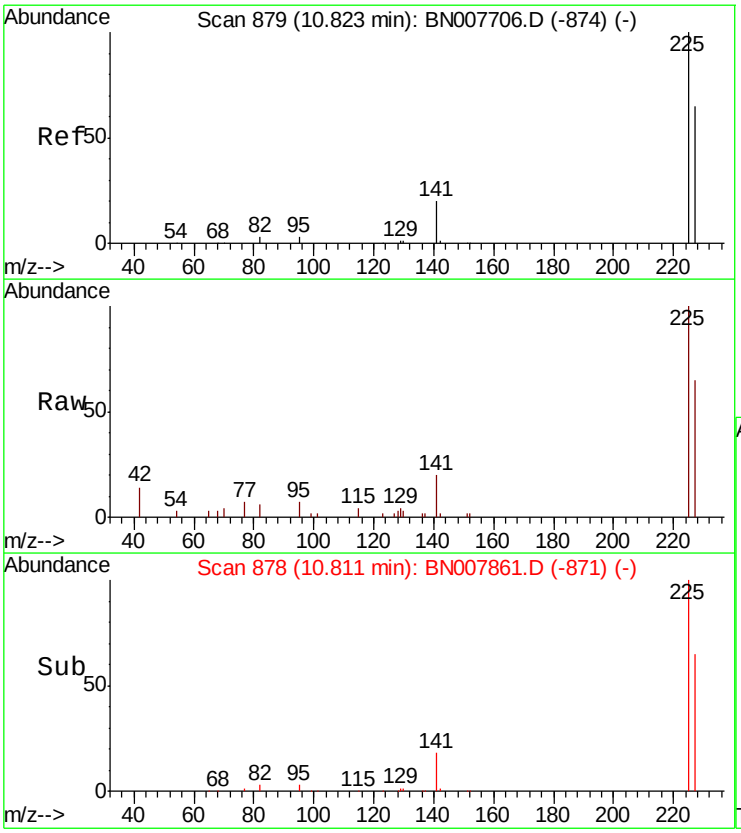
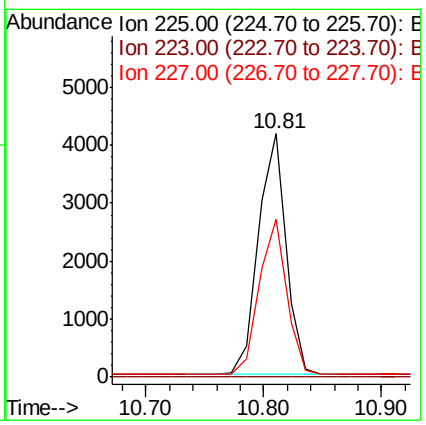
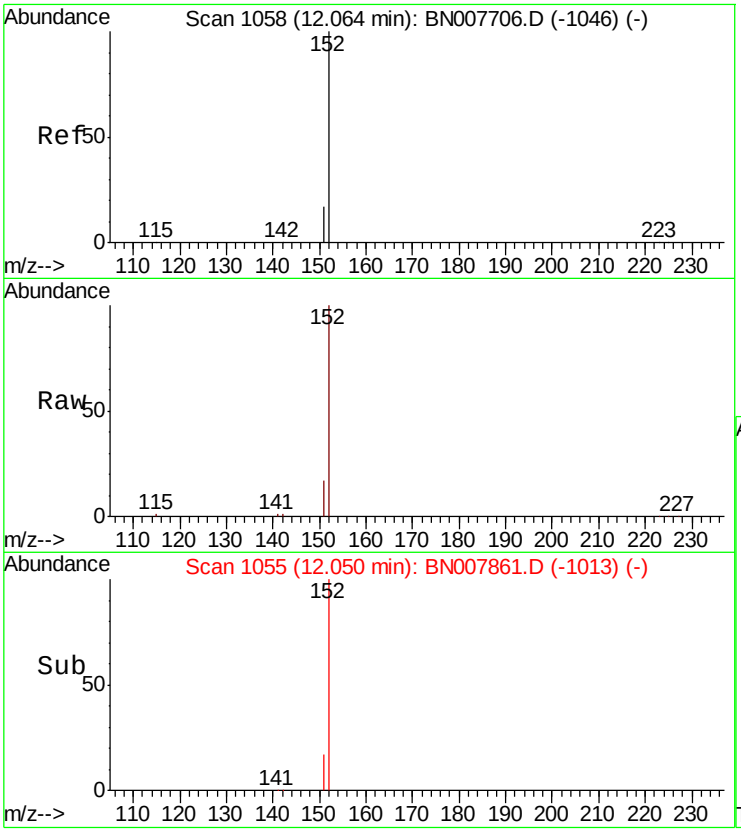


#10
Hexachlorobutadiene
Concen: 0.269 ng
RT: 10.81 min Scan# 878
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:225 Resp: 6849

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.2	76.8

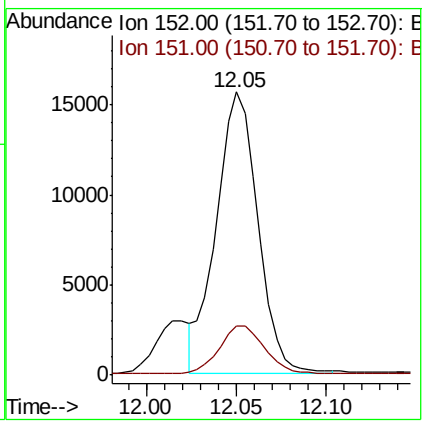




#11
2-Methylnaphthalene-d10
Concen: 0.347 ng m
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:152 Resp: 25198

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.2



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ClientSampleId :
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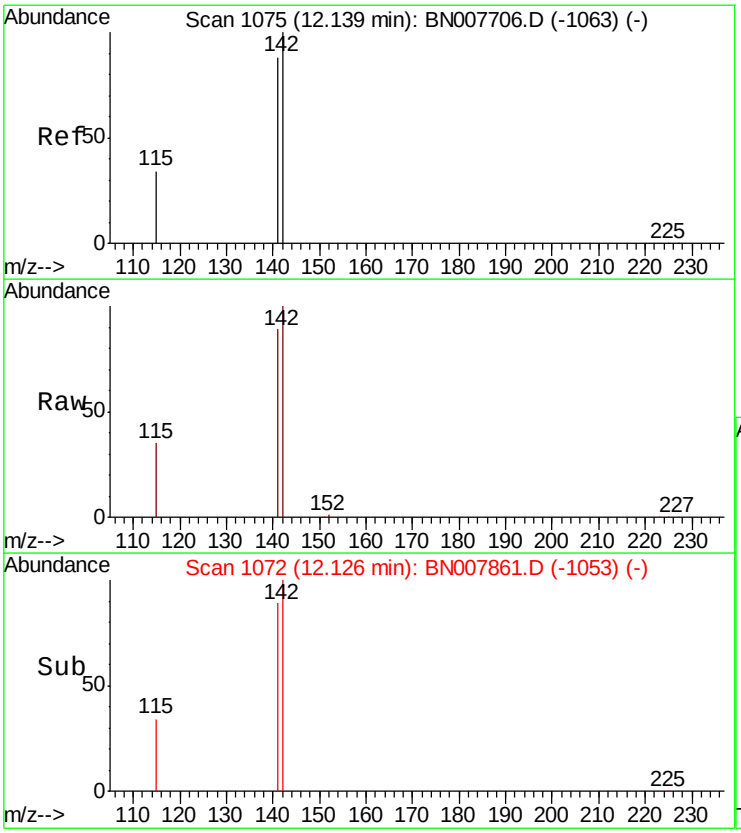
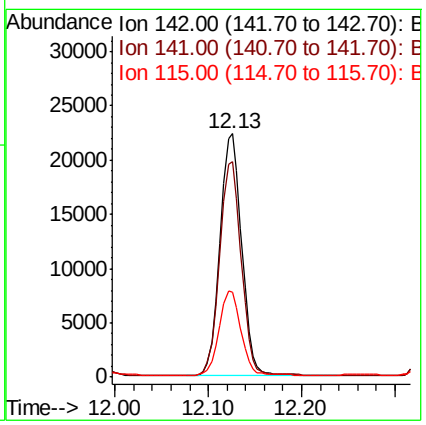
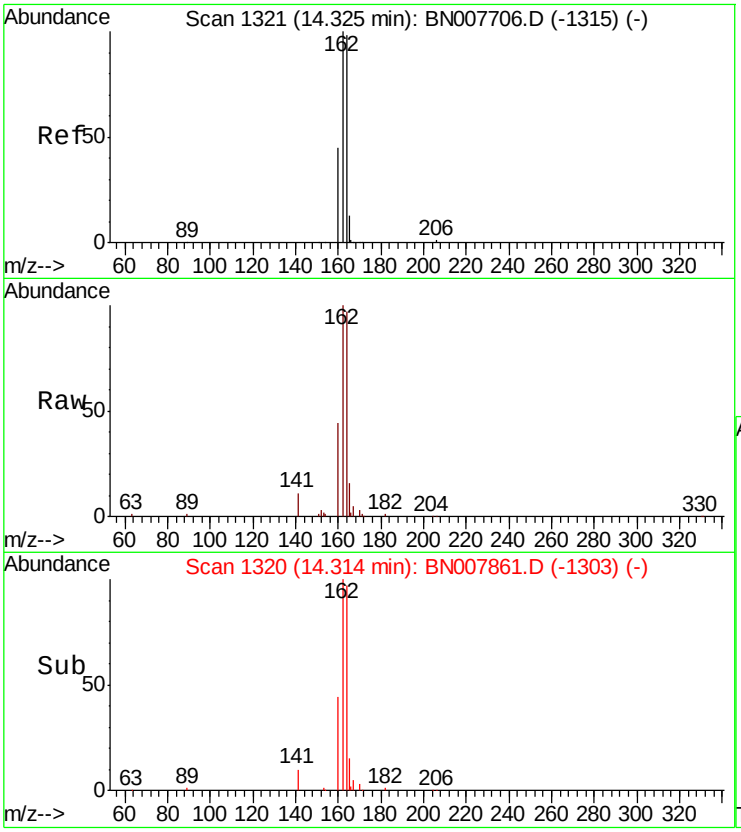


#12
2-Methylnaphthalene
Concen: 0.444 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:142 Resp: 36321

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.6	106.0
115	34.6	28.3	42.5

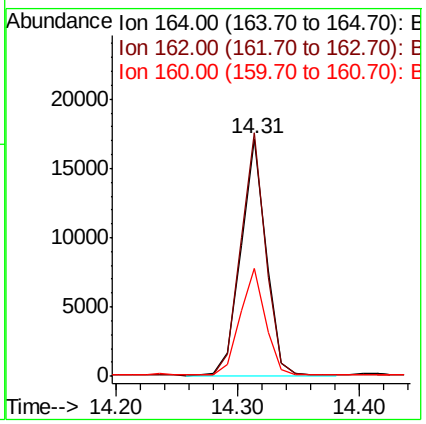




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:164 Resp: 24627

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.7	122.5
160	45.5	37.0	55.4



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ClientSampleId :
PST-B231-091919-1MS

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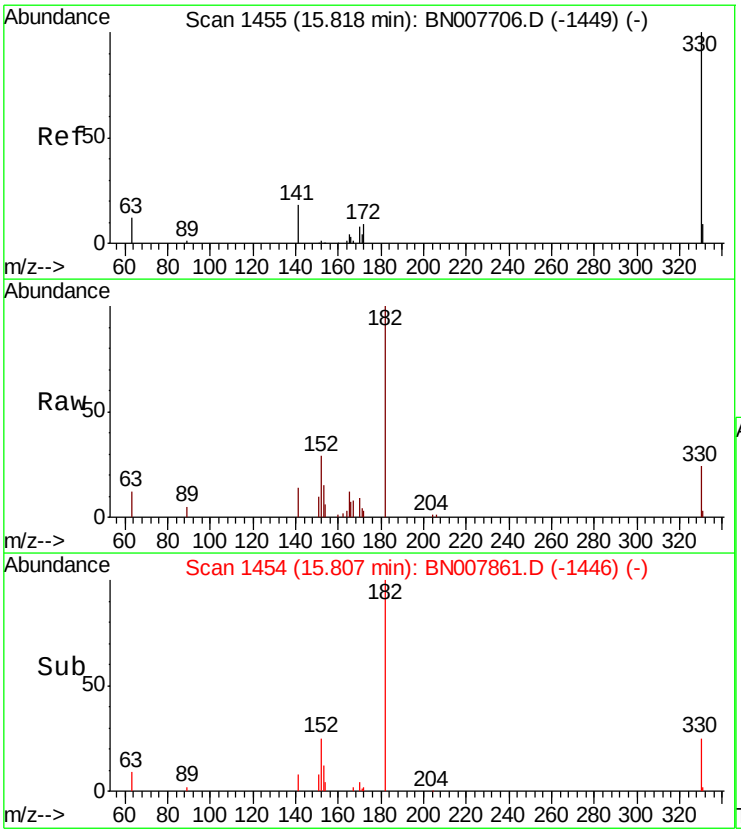
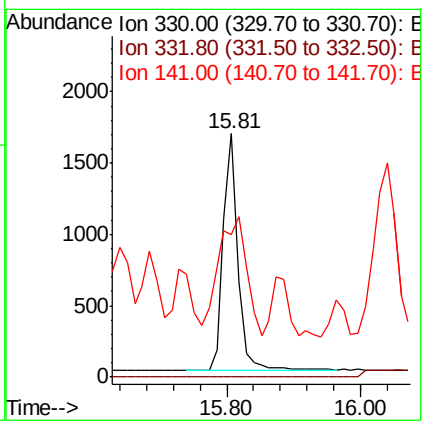
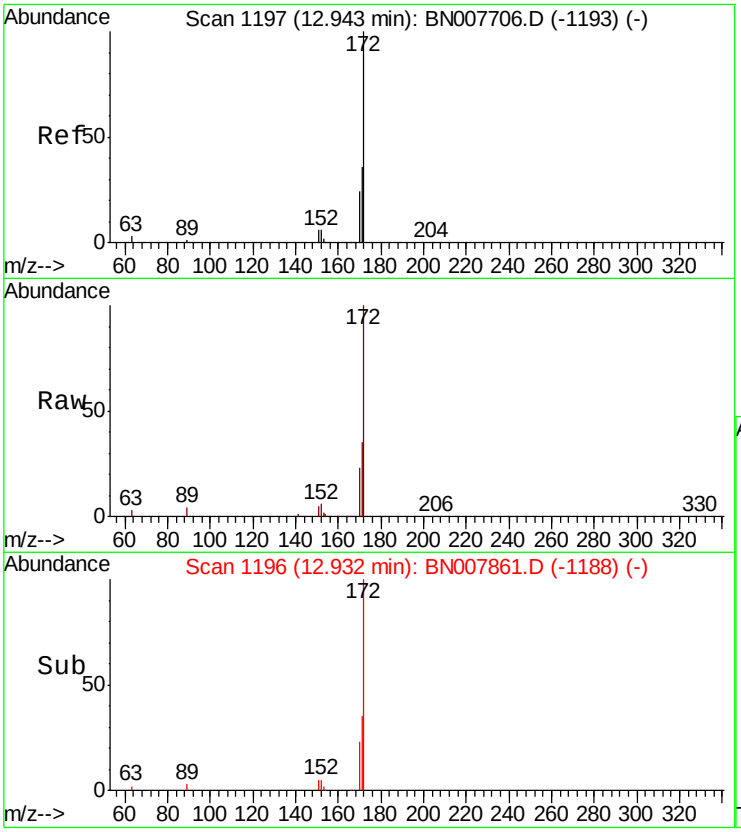


#14
2,4,6-Tribromophenol
Concen: 0.191 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:330 Resp: 2557

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	94.2	28.7	43.1#

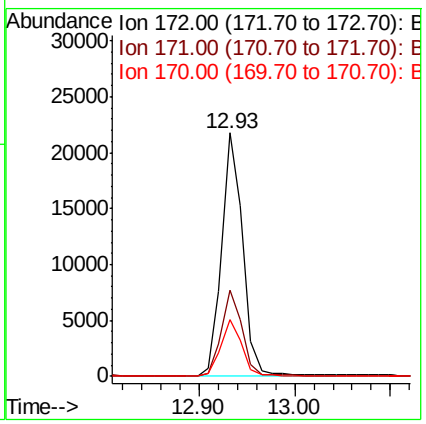




#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:172 Resp: 33043

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.3	19.5	29.3



Instrument :
BNA_N
ClientSampleId :
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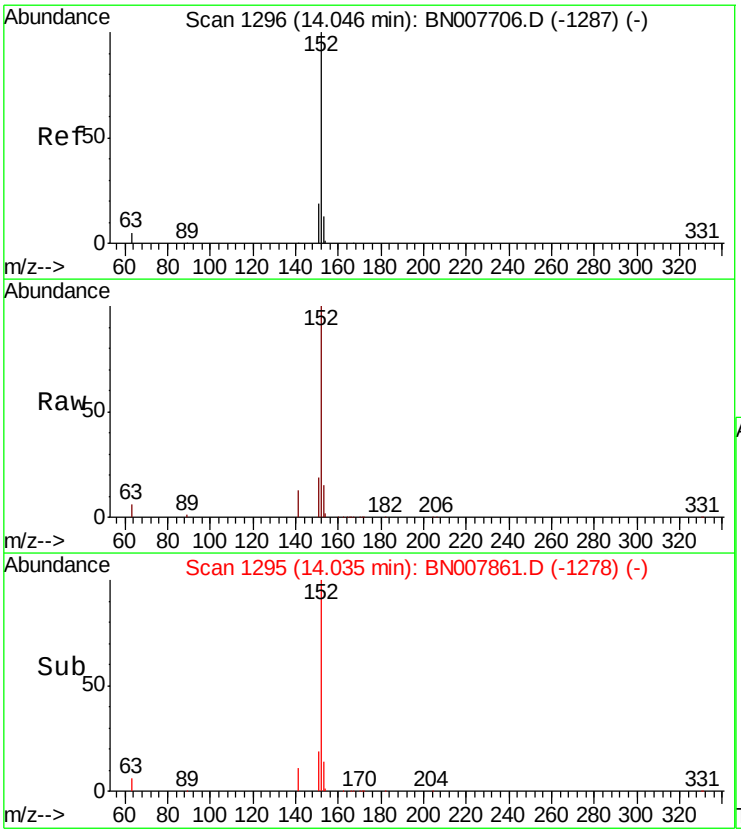
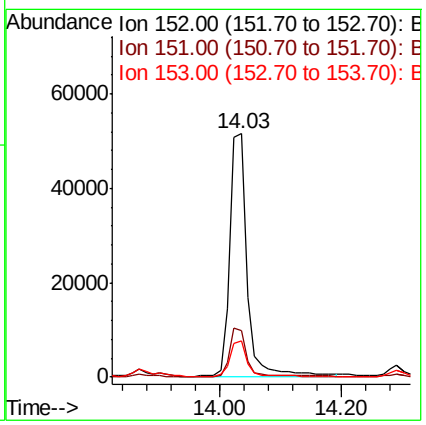
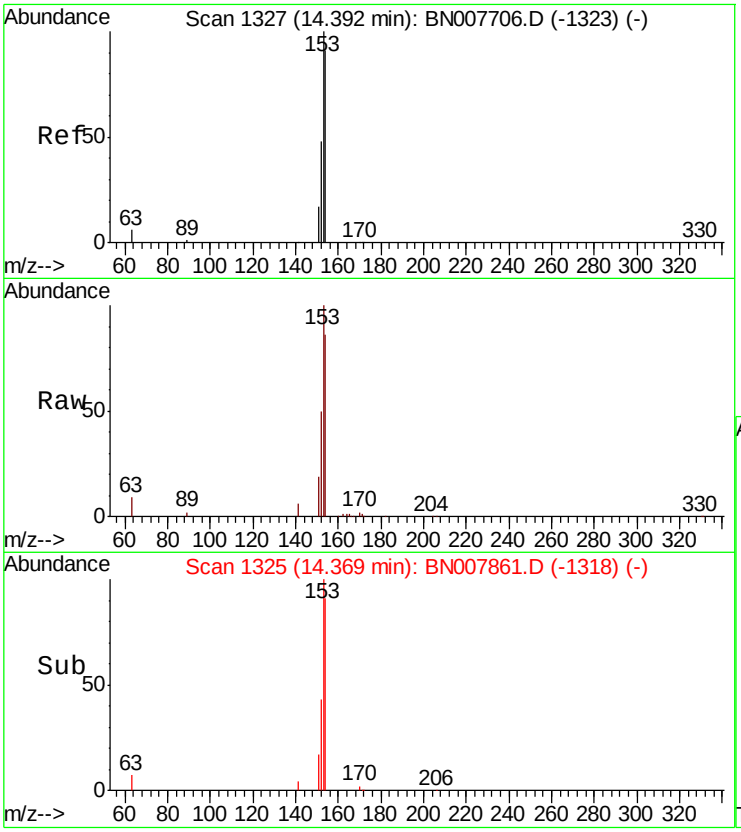


#16
Acenaphthylene
Concen: 0.768 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:152 Resp: 100332

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	14.3	10.4	15.6

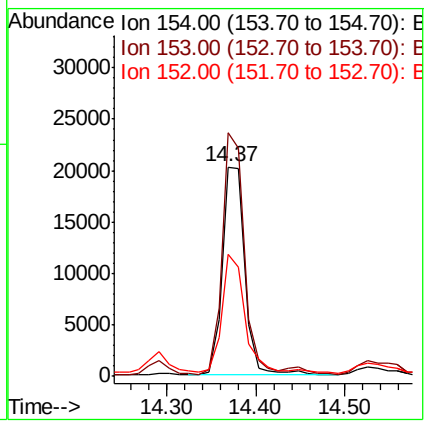




#17
Acenaphthene
Concen: 0.421 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:154 Resp: 35458

Ion	Ratio	Lower	Upper
154	100		
153	113.7	87.0	130.4
152	56.9	42.7	64.1



Instrument :
BNA_N
ClientSampleId :
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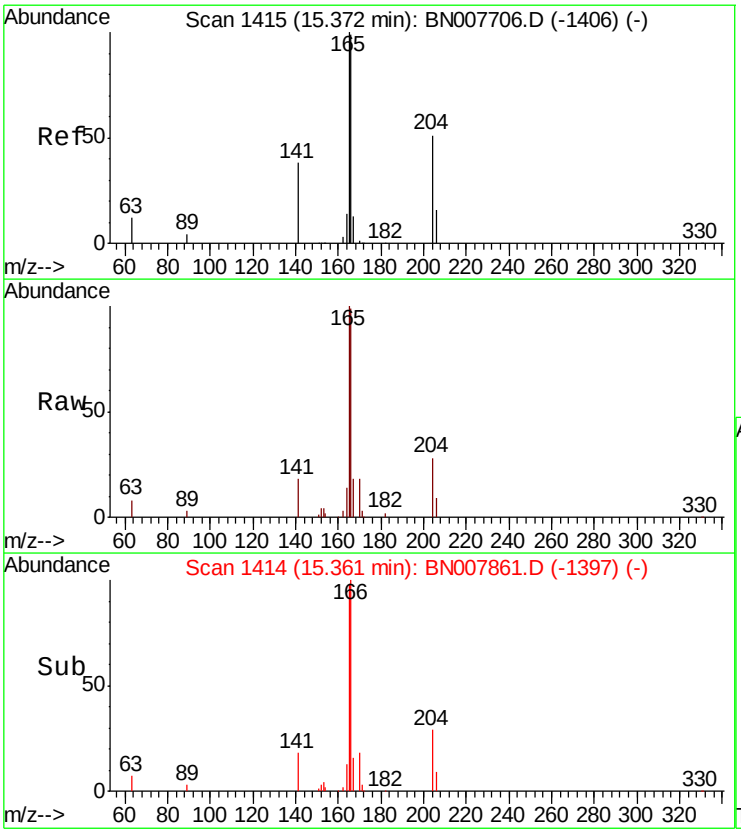
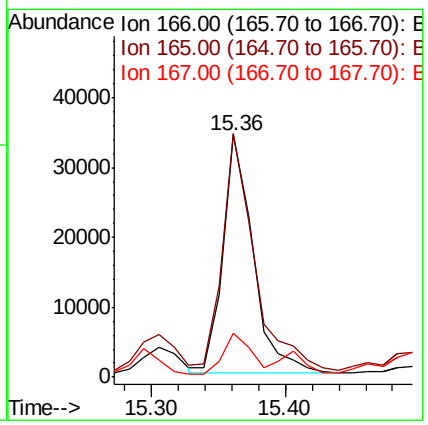
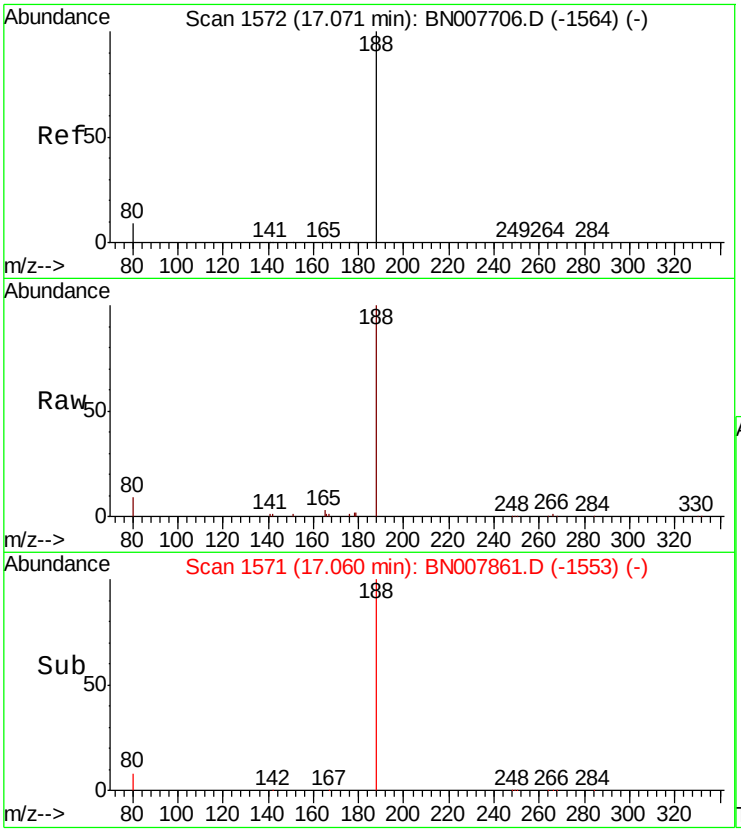


#18
Fluorene
Concen: 0.499 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:166 Resp: 53810

Ion	Ratio	Lower	Upper
166	100		
165	105.0	78.0	117.0
167	16.0	10.9	16.3

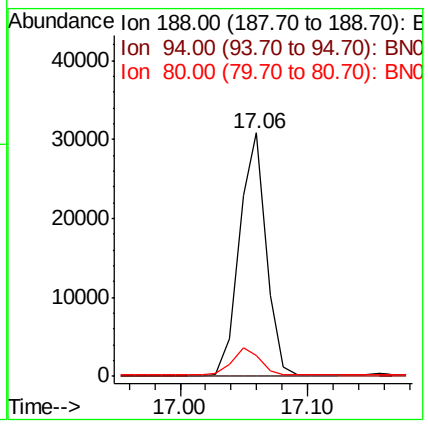




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:188 Resp: 44783

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.4	11.2



Instrument :
BNA_N
ClientSampleId :
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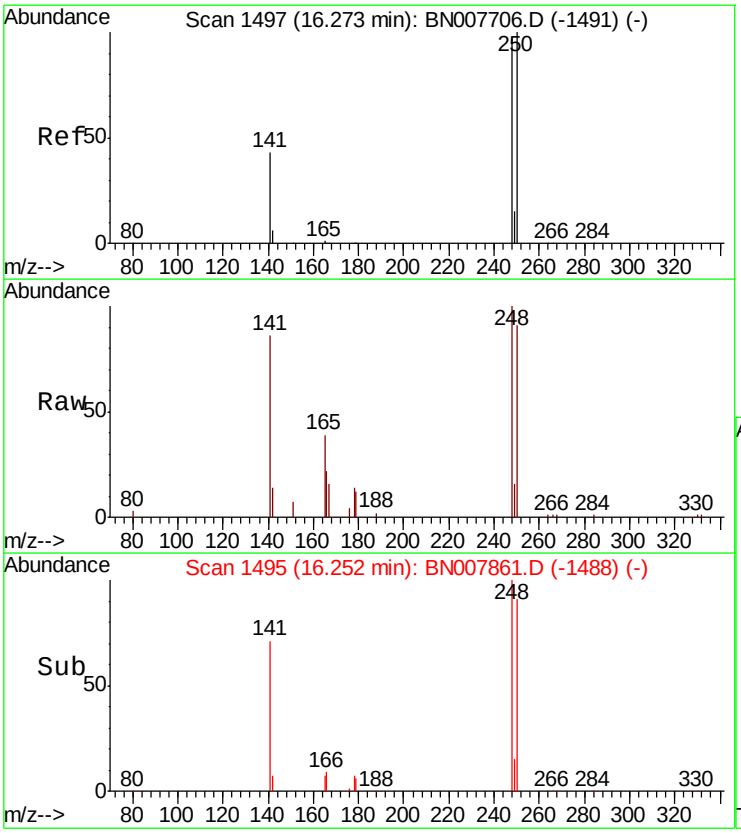
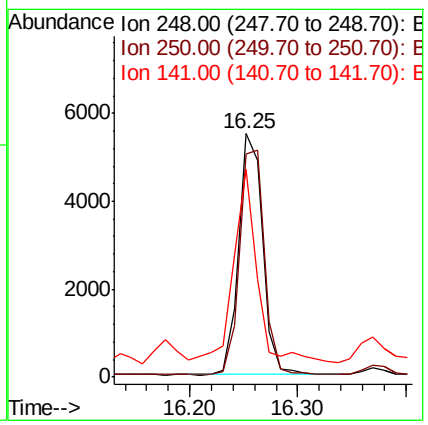
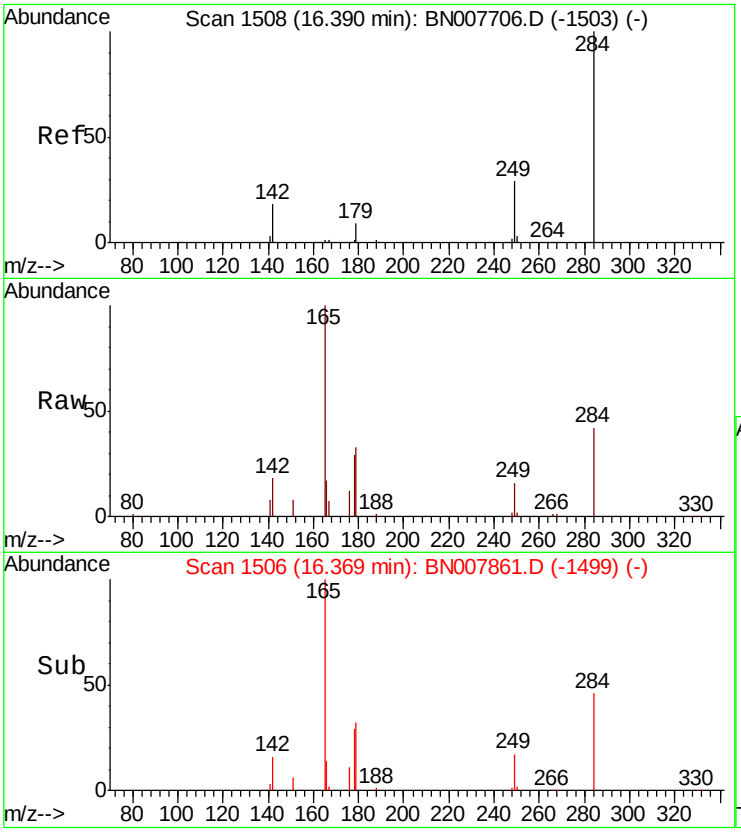


#20
4-Bromophenyl-phenylether
Concen: 0.312 ng
RT: 16.25 min Scan# 1495
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:248 Resp: 8469

Ion	Ratio	Lower	Upper
248	100		
250	91.4	82.2	123.4
141	85.5	36.3	54.5#

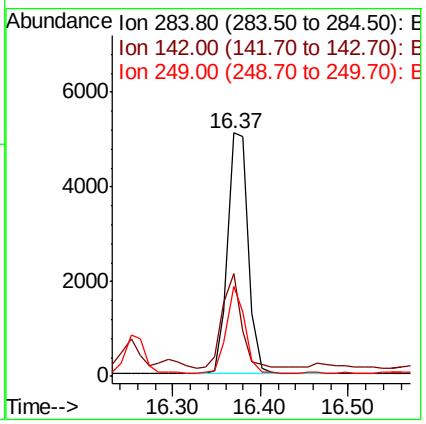




#21
Hexachlorobenzene
Concen: 0.277 ng
RT: 16.37 min Scan# 1506
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:284 Resp: 8236

Ion	Ratio	Lower	Upper
284	100		
142	35.4	25.8	38.6
249	32.0	25.9	38.9



Instrument :
BNA_N
ClientSampleId :
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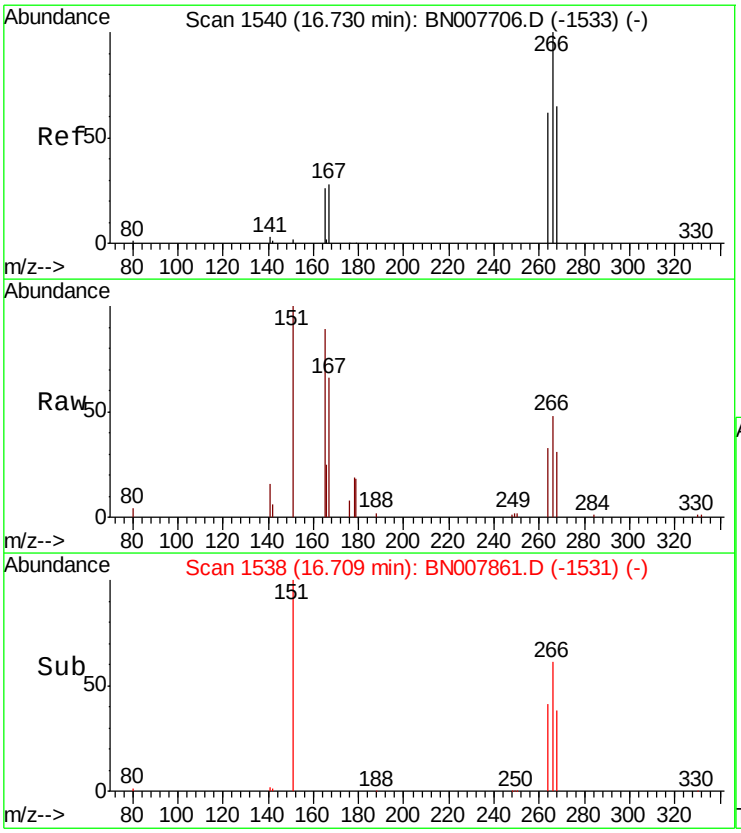
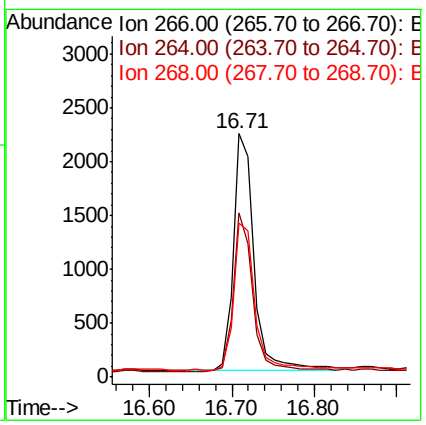
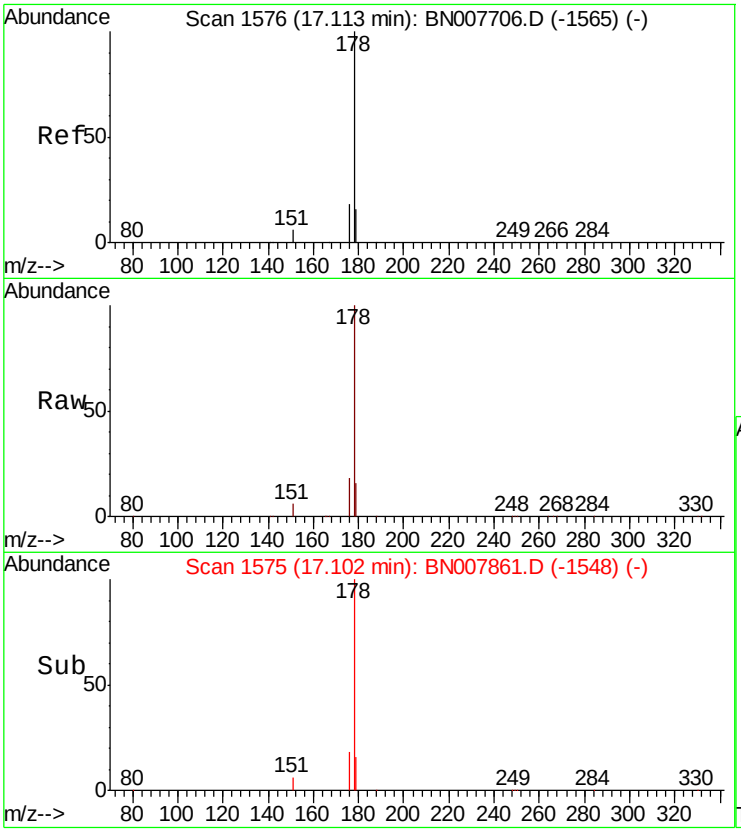


#22
Pentachlorophenol
Concen: 0.351 ng
RT: 16.71 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:266 Resp: 3844

Ion	Ratio	Lower	Upper
266	100		
264	67.4	50.0	75.0
268	63.5	54.2	81.4

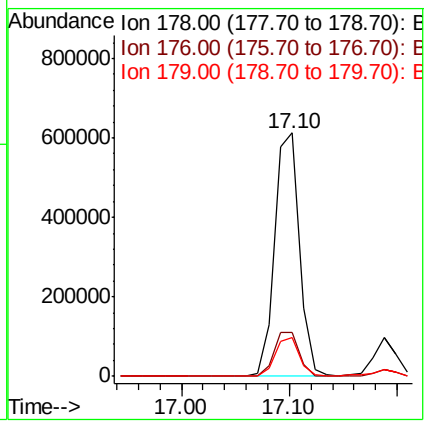




#23
Phenanthrene
Concen: 6.944 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:178 Resp: 968771

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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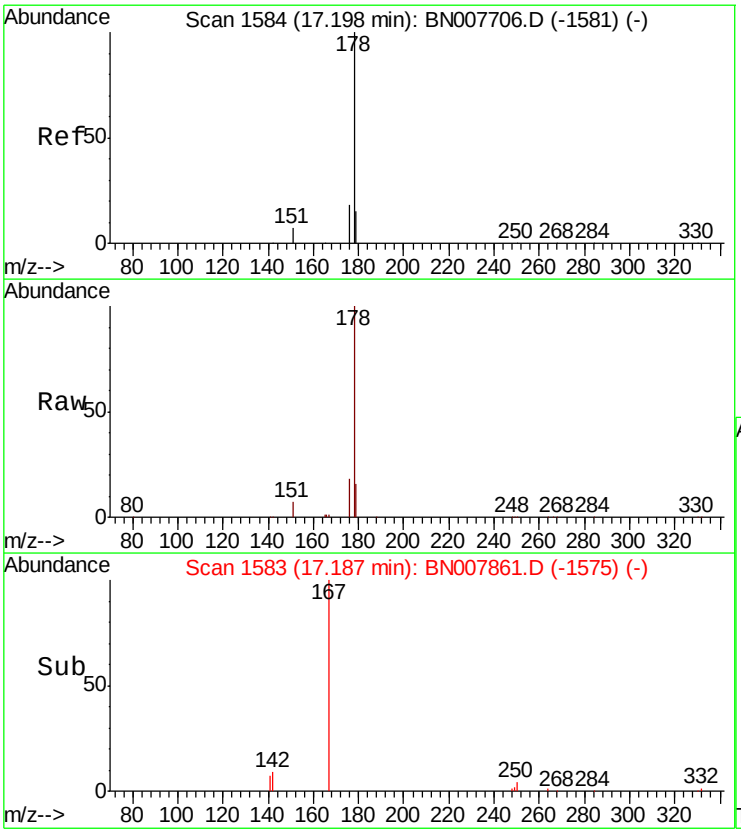
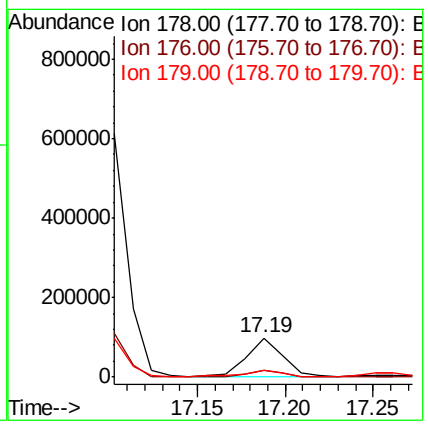
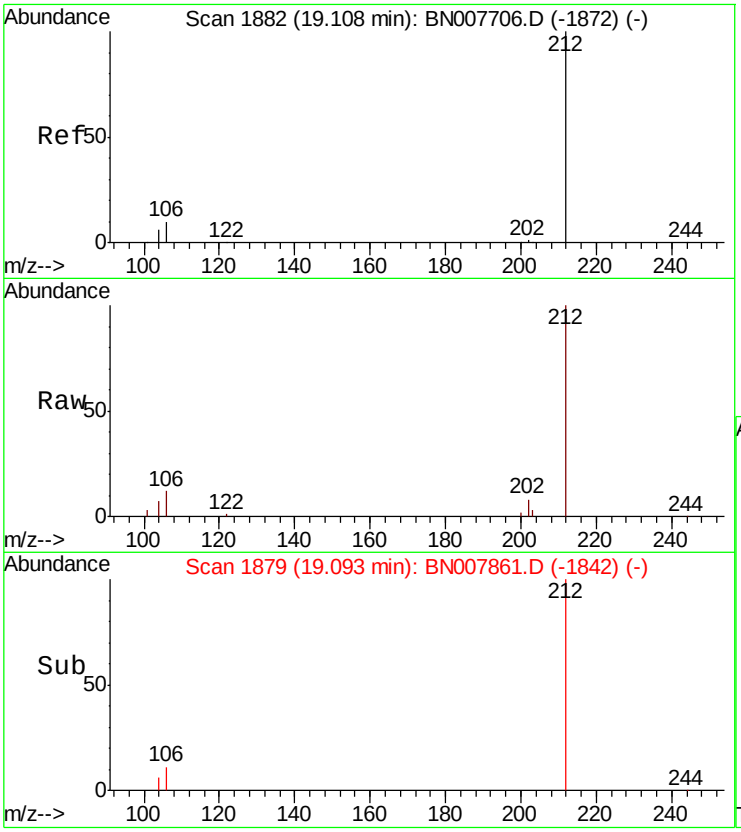


#24
Anthracene
Concen: 1.055 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:178 Resp: 132931

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	16.6	12.2	18.4

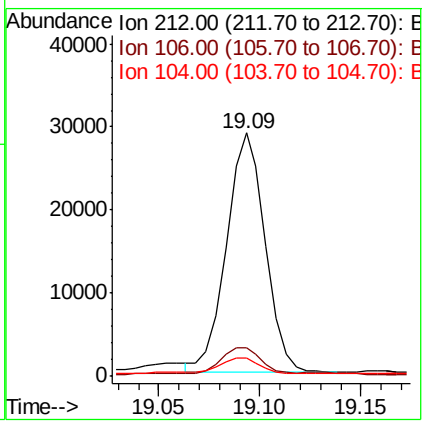




#25
Fluoranthene-d10
Concen: 0.253 ng m
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:212 Resp: 38189

Ion	Ratio	Lower	Upper
212	100		
106	12.3	9.4	14.0
104	8.1	5.3	7.9#



Instrument :
BNA_N
ClientSampleId :
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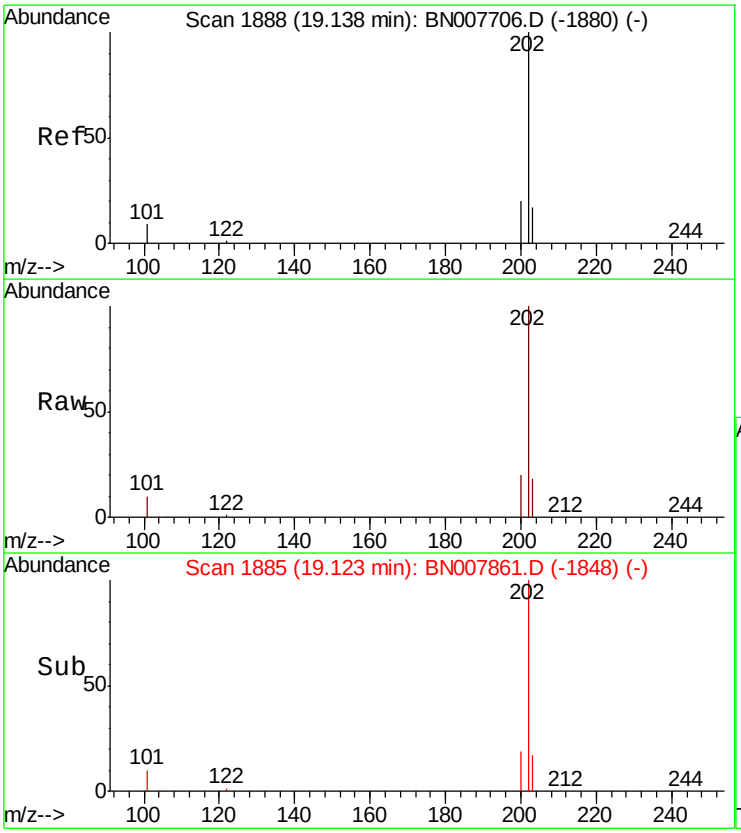
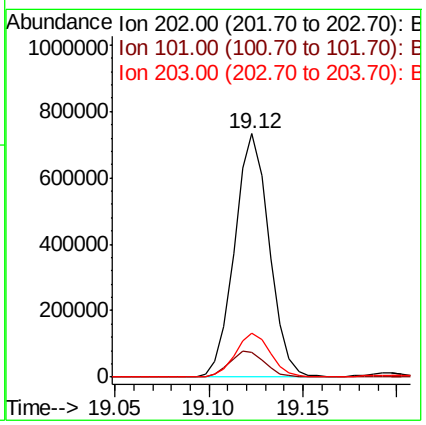
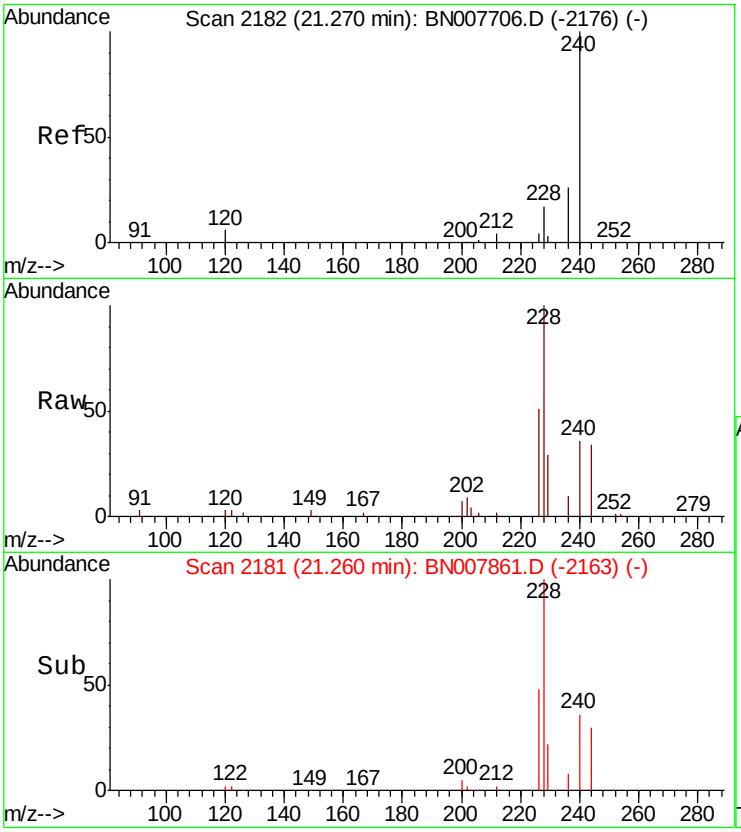


#26
Fluoranthene
Concen: 5.376 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:202 Resp: 932485

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.4	12.6
203	18.1	13.8	20.8

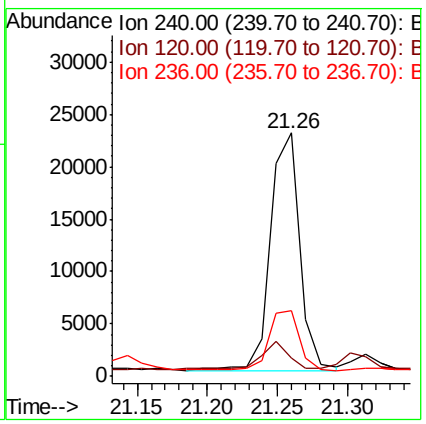




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:240 Resp: 33287

Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.4	8.2
236	27.1	21.0	31.4



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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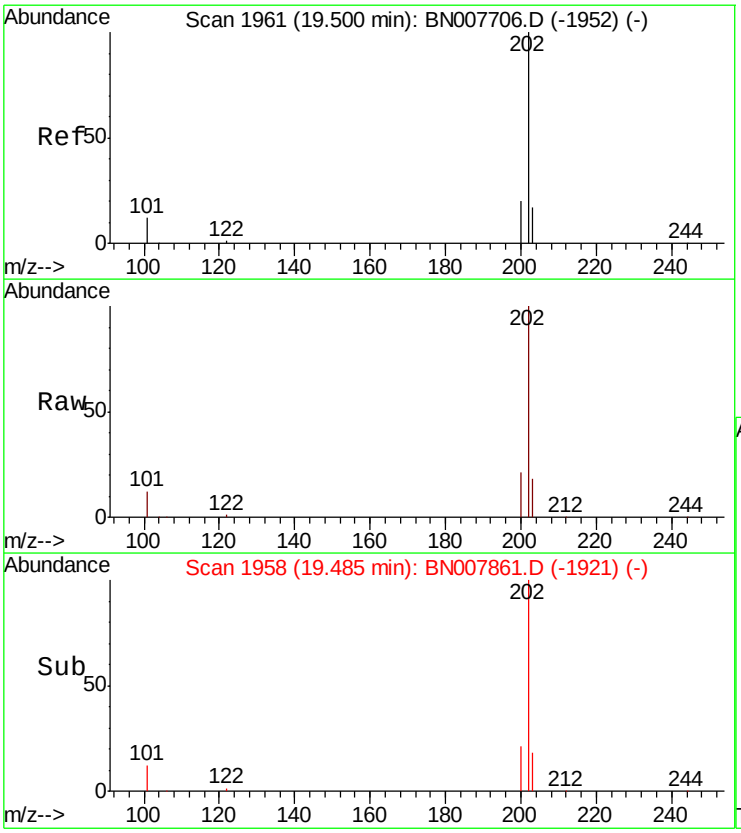
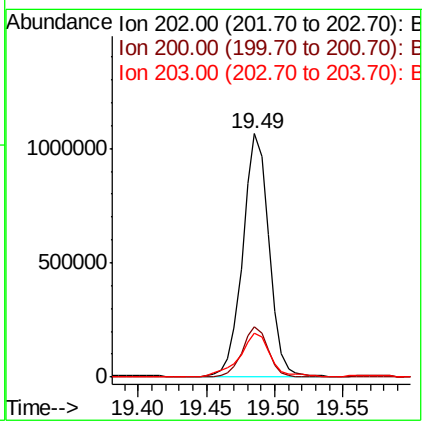
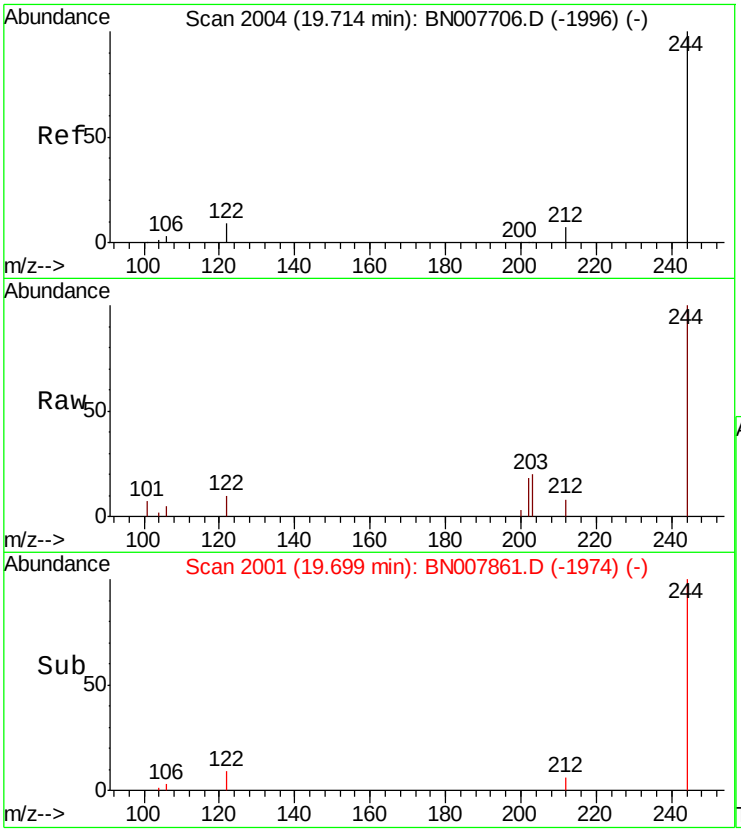


#28
Pyrene
Concen: 12.501 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:202 Resp: 1419205

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.1	14.1	21.1

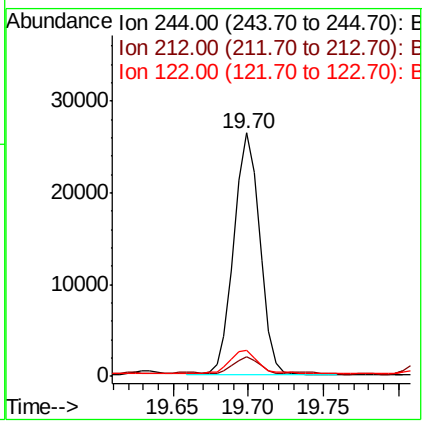




#29
Terphenyl-d14
Concen: 0.384 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:244 Resp: 31392

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.9	8.9
122	10.5	7.4	11.2



Instrument :
BNA_N
ClientSampleId :
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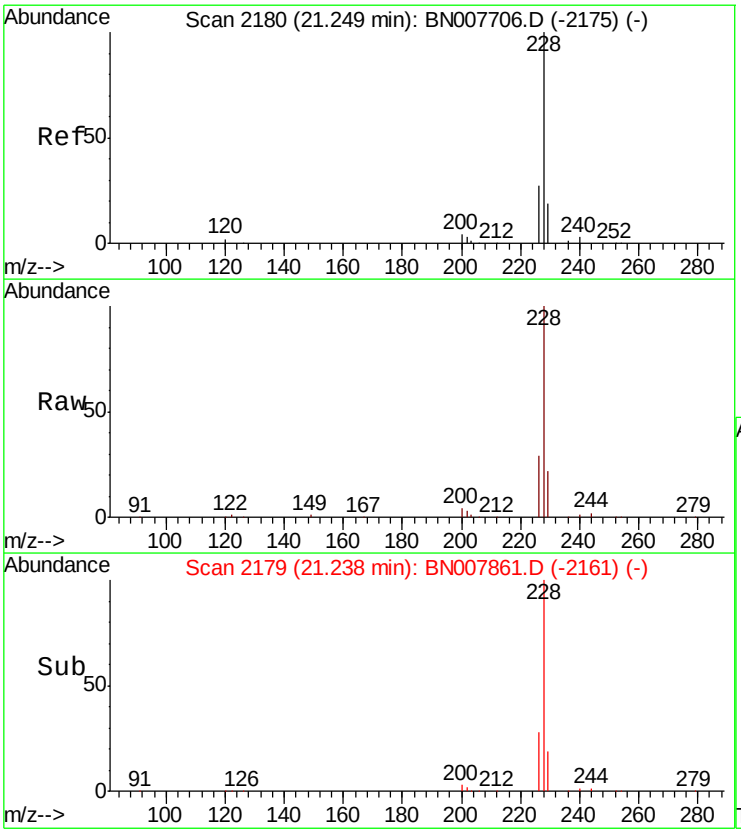
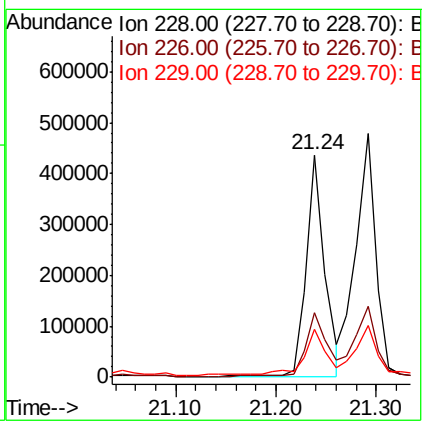
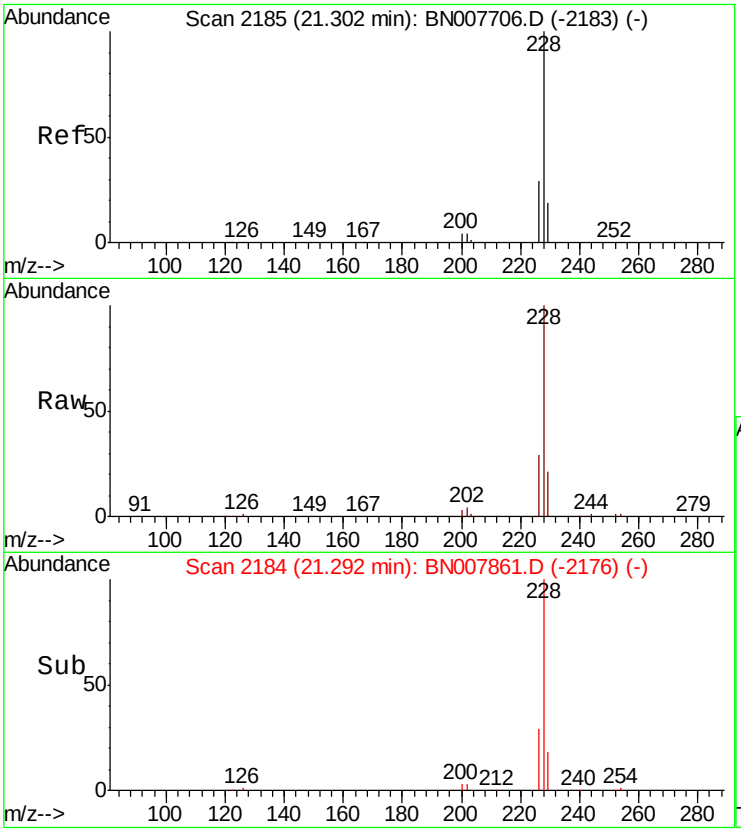


#30
Benzo(a)anthracene
Concen: 4.612 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:228 Resp: 565321

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.7	15.8	23.6

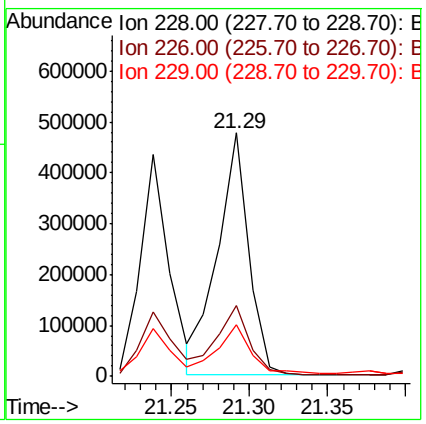




#31
Chrysene
Concen: 5.530 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:228 Resp: 660657

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	21.3	15.8	23.6



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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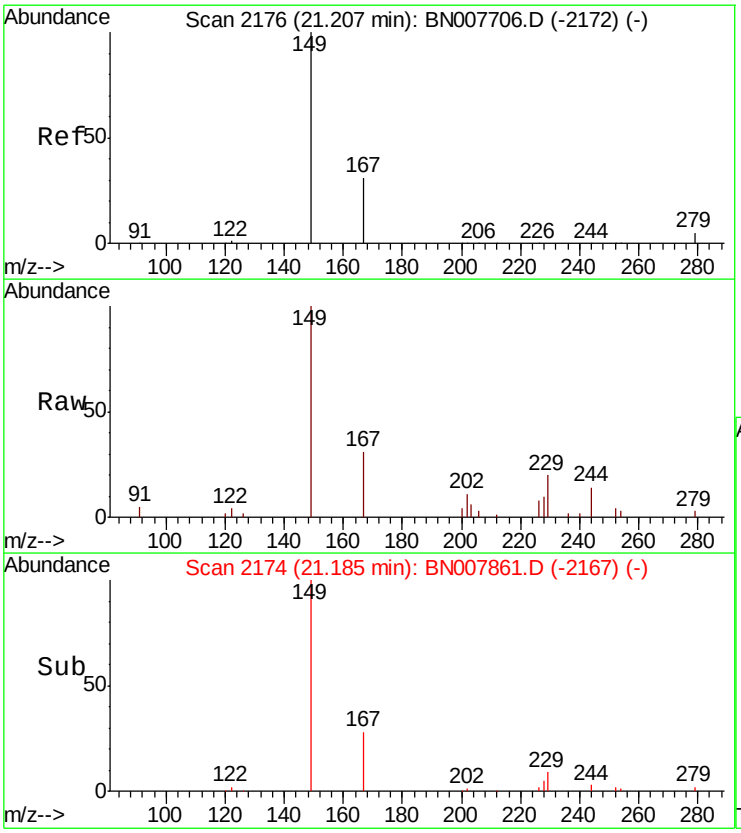
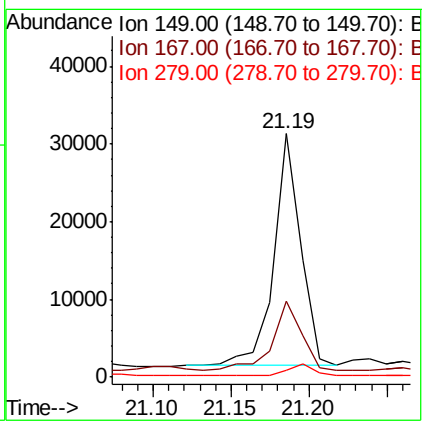
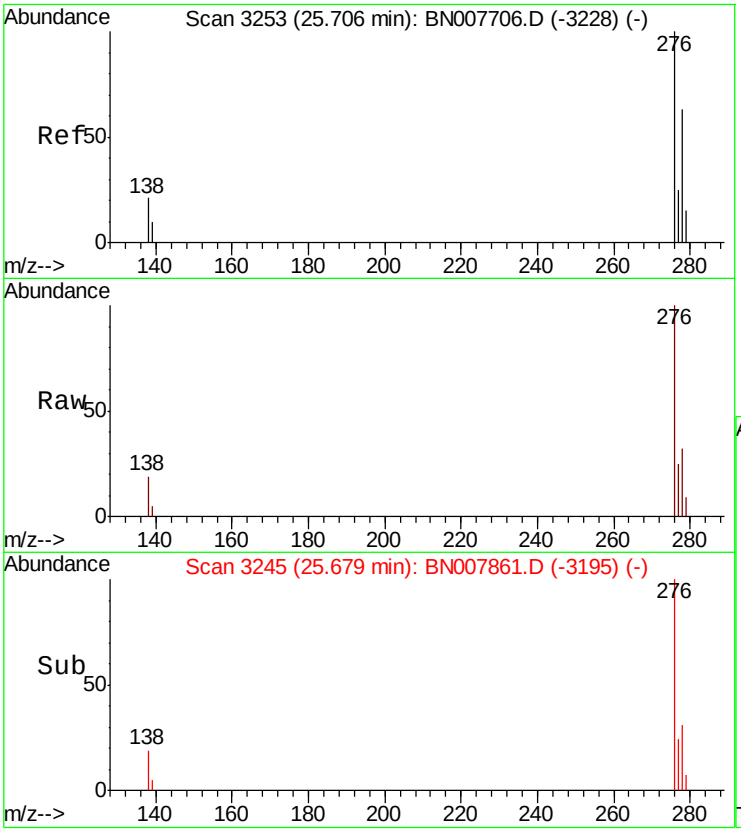


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.564 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:149 Resp: 35533

Ion	Ratio	Lower	Upper
149	100		
167	33.6	23.7	35.5
279	5.0	4.2	6.2

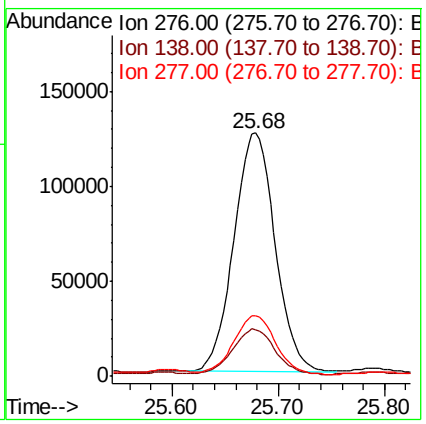




#33
Indeno(1,2,3-cd)pyrene
Concen: 2.273 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.03 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:276 Resp: 340013

Ion	Ratio	Lower	Upper
276	100		
138	19.3	17.1	25.7
277	24.7	20.0	30.0



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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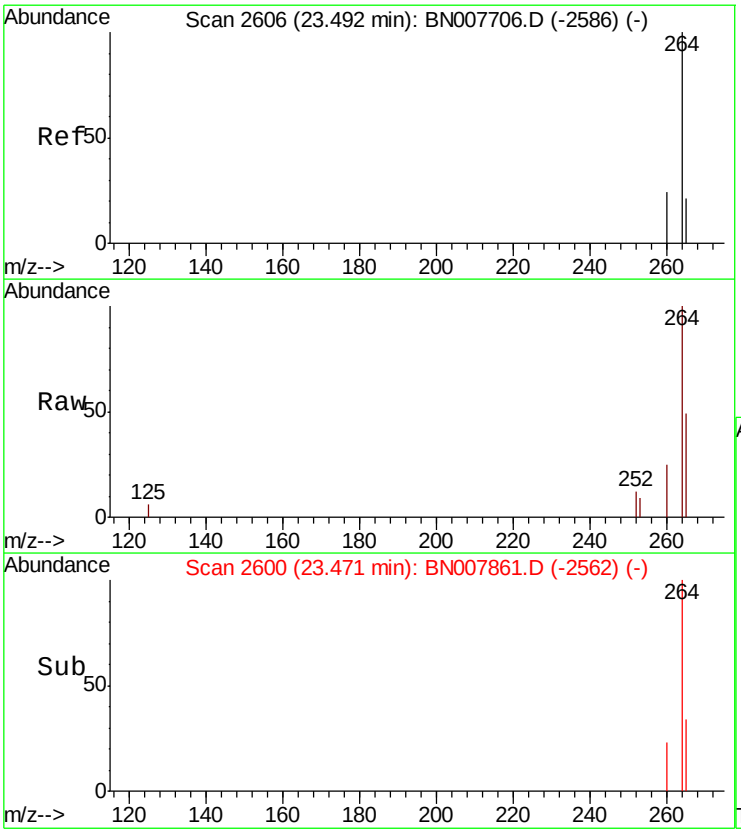
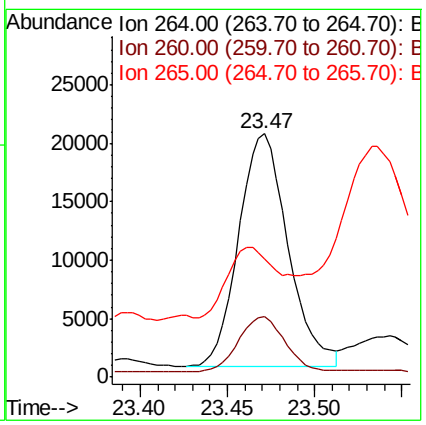
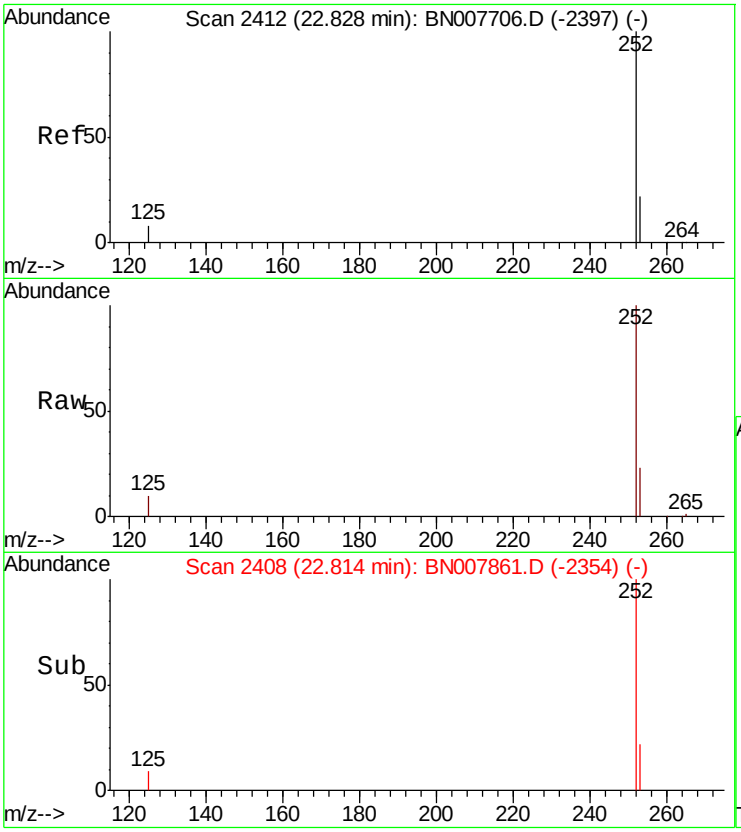


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2600
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:264 Resp: 39214

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	48.6	26.9	40.3#

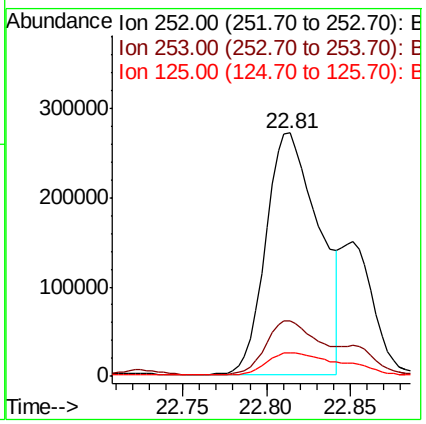




#35
Benzo(b)fluoranthene
Concen: 4.375 ng
RT: 22.81 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:252 Resp: 595597

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	9.6	8.2	12.4



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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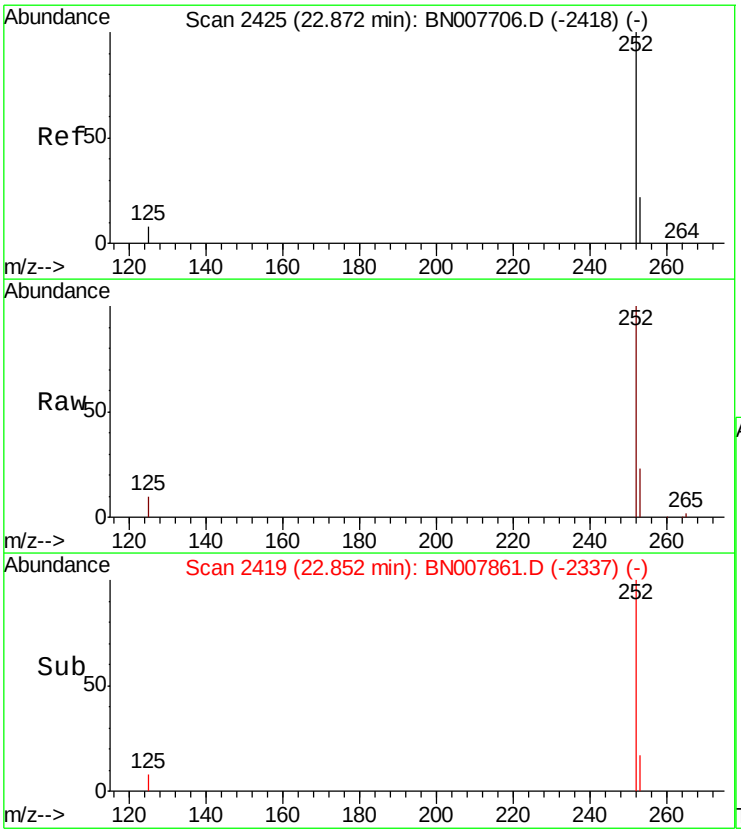
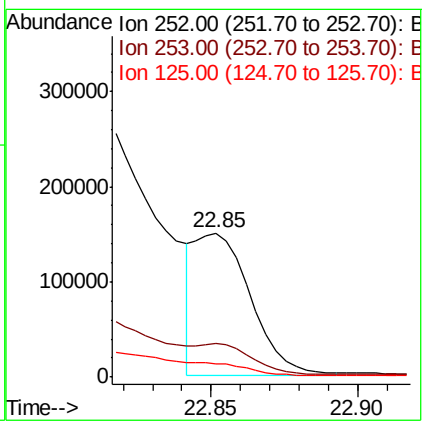
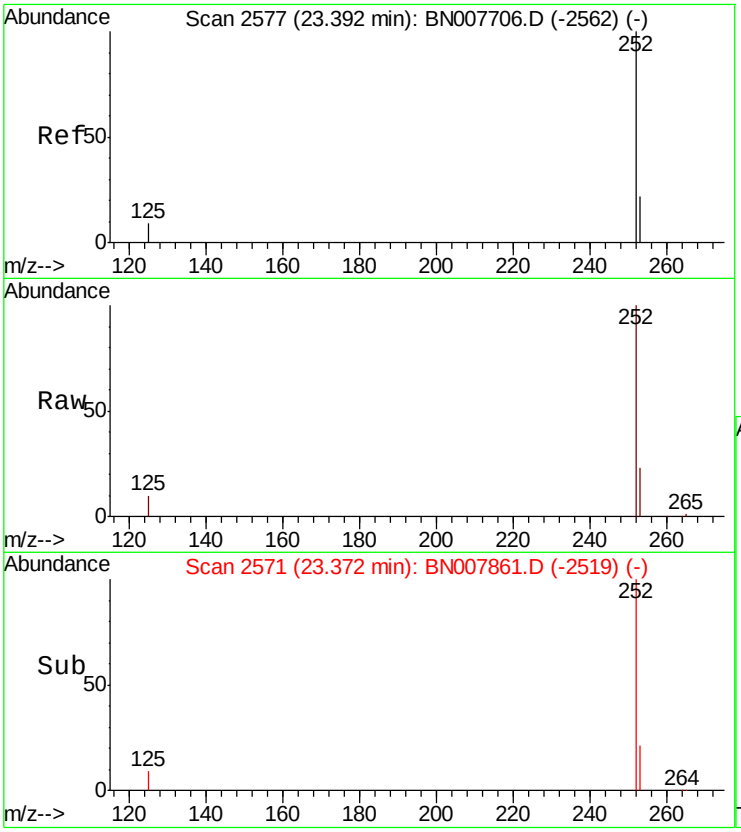


#36
Benzo(k)fluoranthene
Concen: 1.474 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:252 Resp: 198447

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	9.5	8.4	12.6

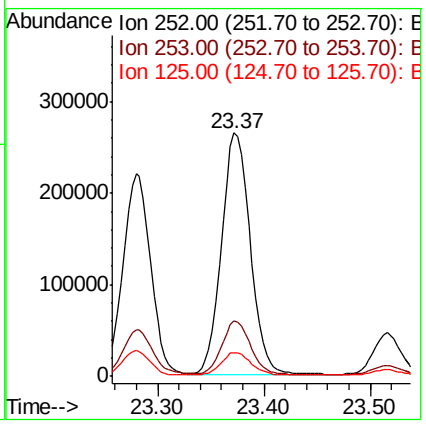




#37
Benzo(a)pyrene
Concen: 3.863 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:252 Resp: 494153

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	9.9	9.4	14.0



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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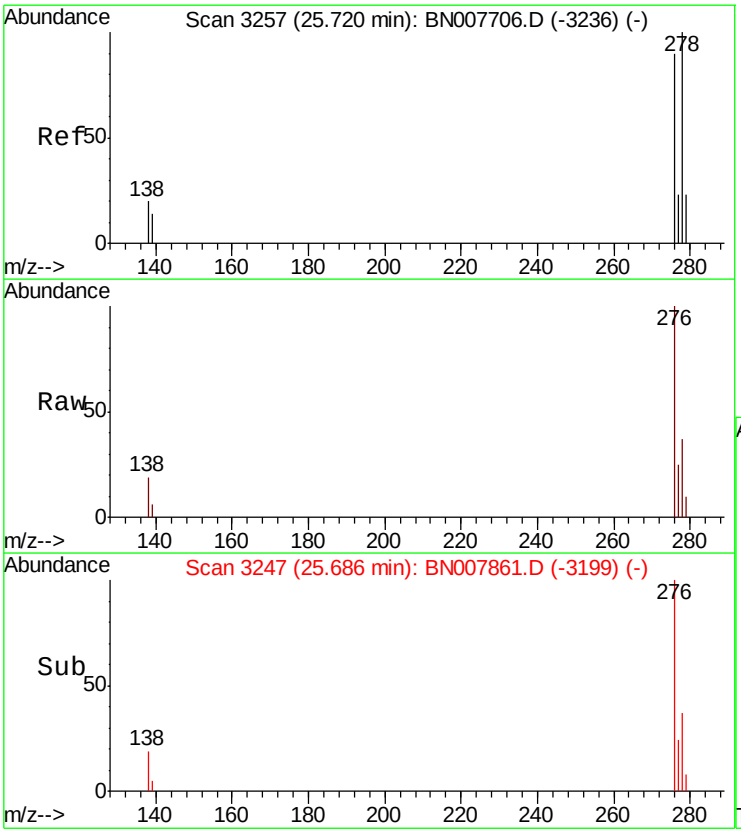
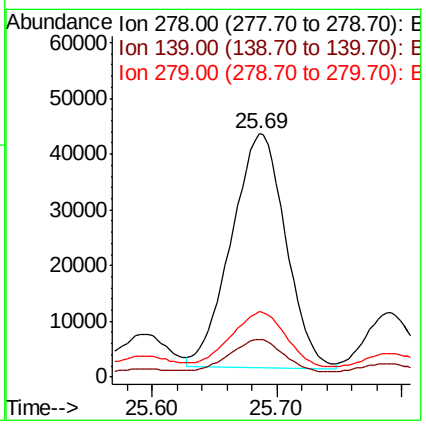
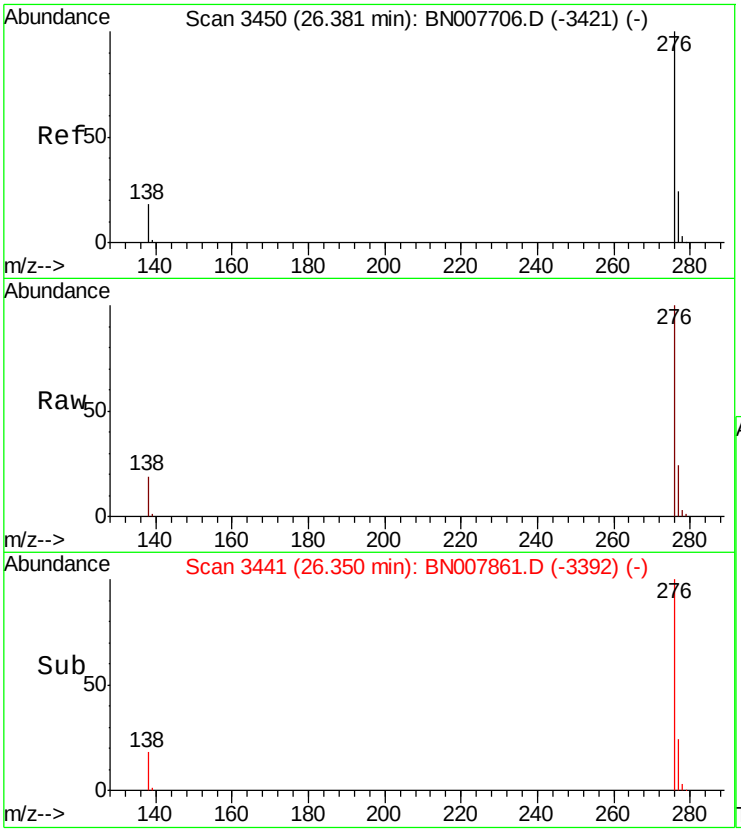


#38
Dibenzo(a,h)anthracene
Concen: 0.972 ng
RT: 25.69 min Scan# 3247
Delta R.T. -0.03 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:278 Resp: 127280

Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.8	17.6
279	27.0	19.4	29.2

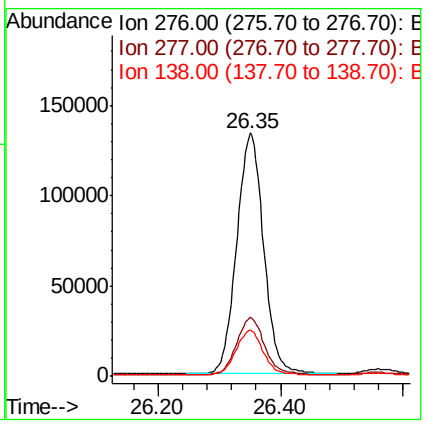




#39
Benzo(g,h,i)perylene
Concen: 3.133 ng
RT: 26.35 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion:276 Resp: 405875

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	18.9	15.1	22.7



Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

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