Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
Data File : BN007361.D
Acq On : 24 Aug 2019 13:43
Operator : HP/JU
Sample : K4443-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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8/31/2019 2:39:58 PM

Quant Time: Aug 24 23:58:02 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	7199	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	30519	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	16745	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	36778	0.40	ng		0.00
27) Chrysene-d12	21.03	240	38137	0.40	ng		0.00
34) Perylene-d12	23.13	264	42438	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	5950	0.23	ng		0.00
5) Phenol-d6	6.59	99	7664	0.23	ng		0.00
8) Nitrobenzene-d5	8.53	82	5762	0.22	ng		0.00
11) 2-Methylnaphthalene-d10	11.76	152	11857	0.23	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	1762	0.20	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	14715	0.22	ng		0.00
25) Fluoranthene-d10	18.84	212	27048	0.23	ng		0.00
29) Terphenyl-d14	19.47	244	20162	0.20	ng		0.00
Target Compounds							Qvalue
16) Acenaphthylene	13.76	152	5460	0.055	ng		99
23) Phenanthrene	16.84	178	21994	0.199	ng		100
24) Anthracene	16.93	178	7781	0.070	ng		99
26) Fluoranthene	18.87	202	77651	0.547	ng		100
28) Pyrene	19.24	202	69263	0.451	ng	#	96
30) Benzo(a)anthracene	21.00	228	45111	0.301	ng		96
31) Chrysene	21.06	228	53603	0.371	ng		98
32) Bis(2-ethylhexyl)phthalate	20.97	149	4286	0.025	ng		99
33) Indeno(1,2,3-cd)pyrene	25.19	276	37535	0.216	ng		98
35) Benzo(b)fluoranthene	22.51	252	84314	0.548	ng	#	96
36) Benzo(k)fluoranthene	22.55	252	27963m	0.184	ng		
37) Benzo(a)pyrene	23.04	252	44340m	0.303	ng		
38) Dibenzo(a,h)anthracene	25.20	278	10220	0.070	ng	#	86
39) Benzo(g,h,i)perylene	25.82	276	37231	0.256	ng		97

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

Quantitation Report (QT Reviewed)

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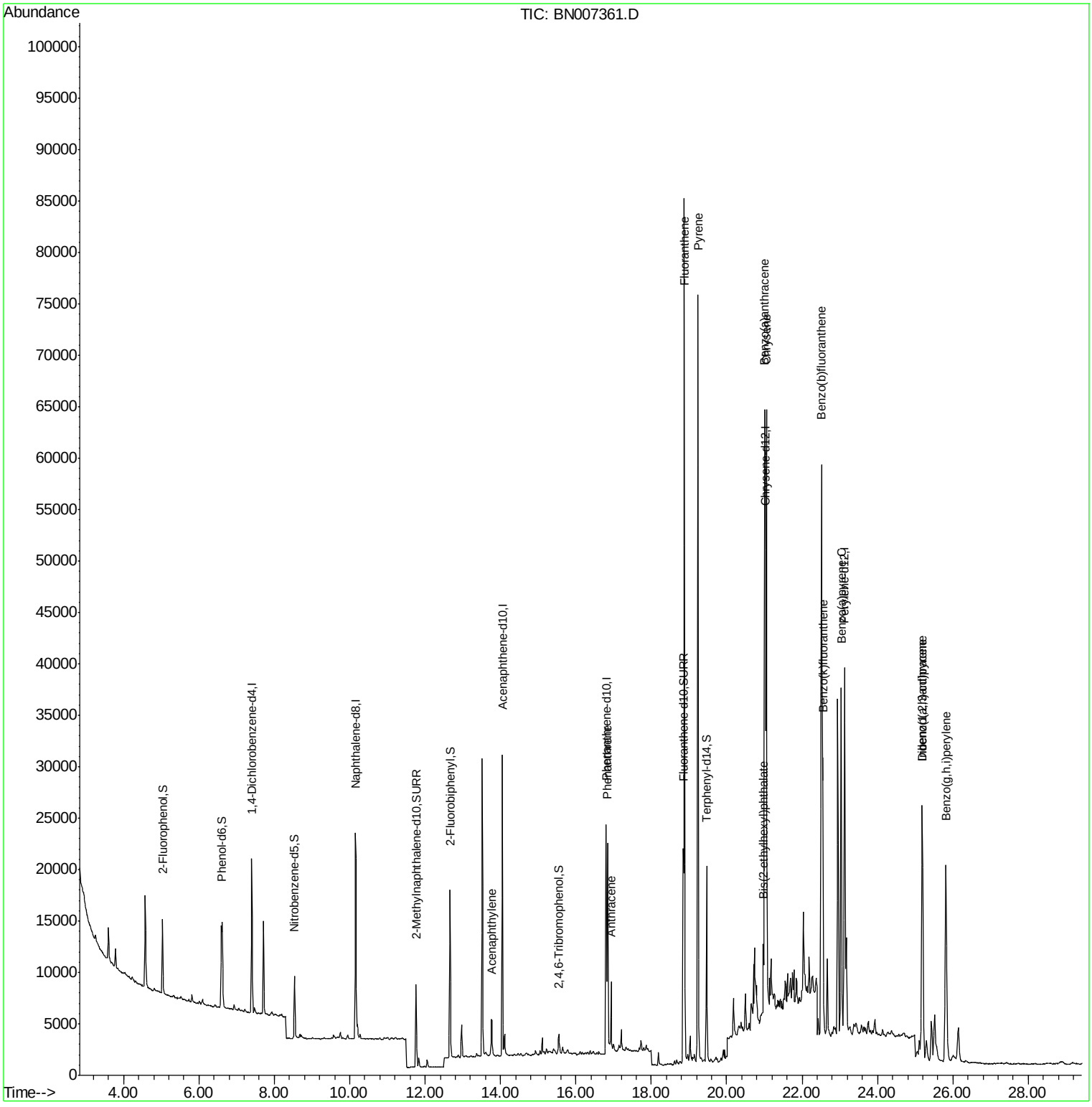
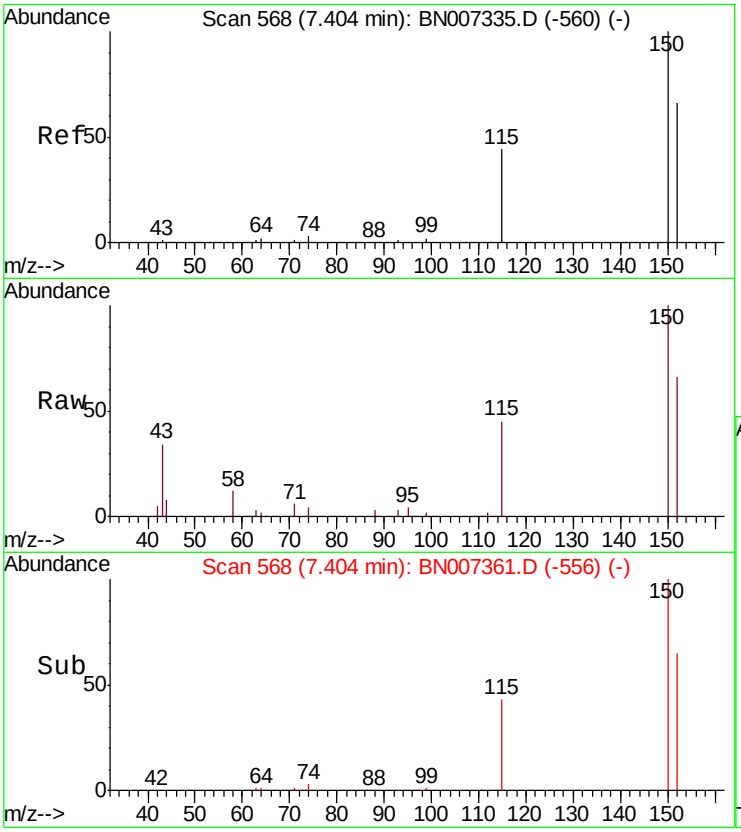
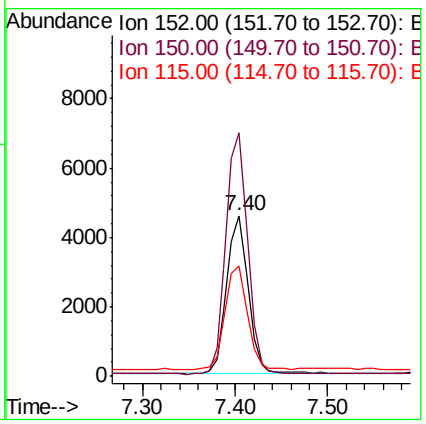




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:152 Resp: 7199

Ion	Ratio	Lower	Upper
152	100		
150	151.7	109.1	163.7
115	68.5	59.6	89.4



Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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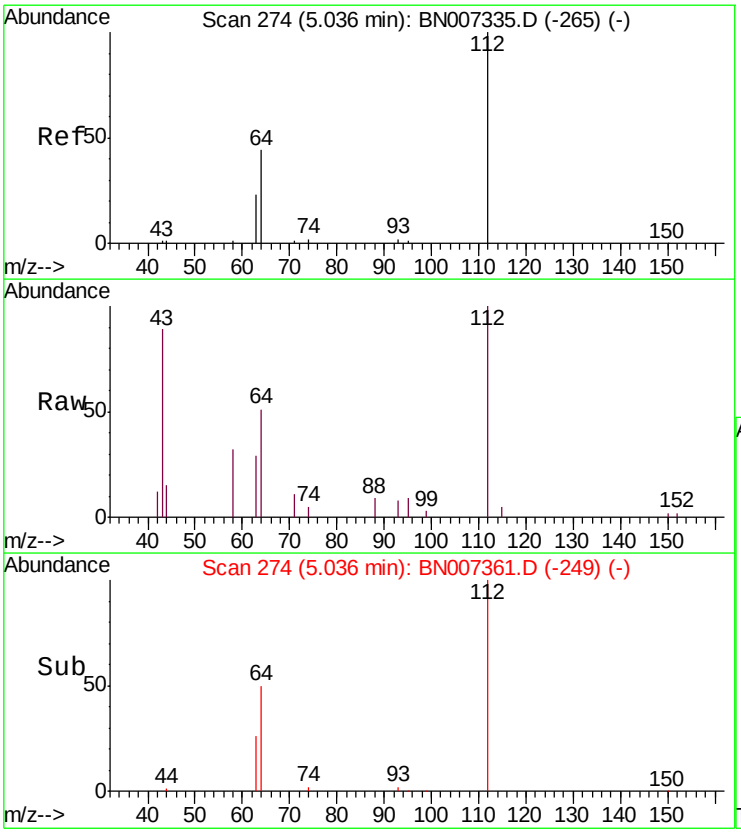
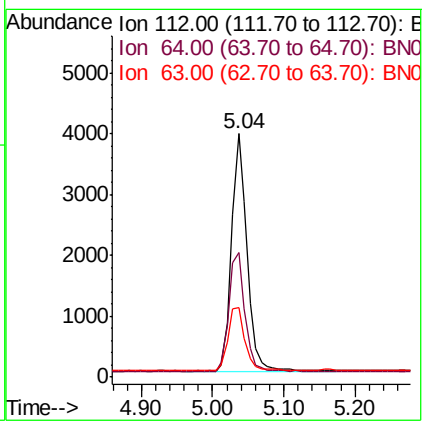
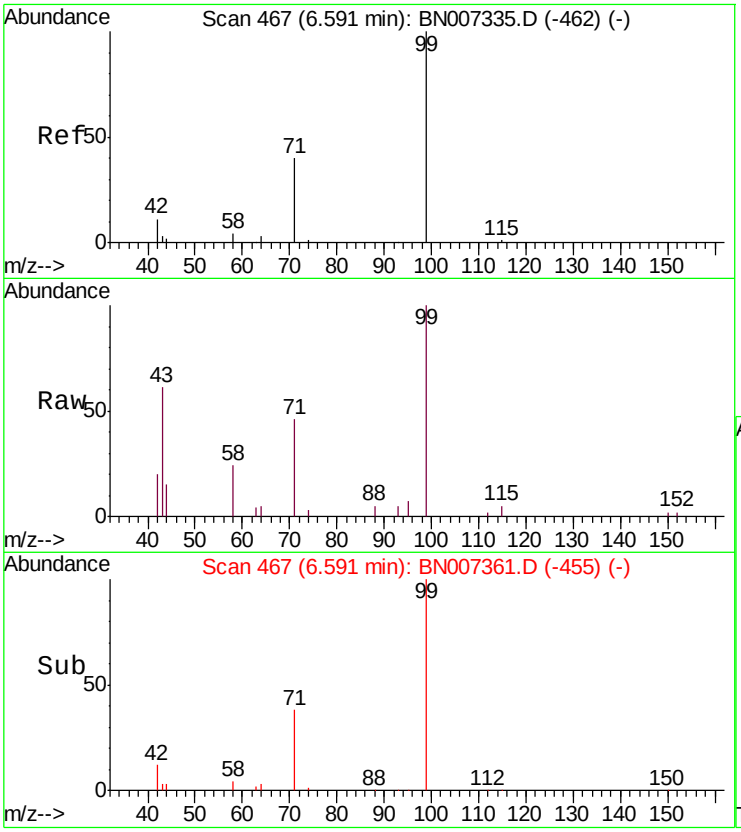


#4
2-Fluorophenol
Concen: 0.226 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:112 Resp: 5950

Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.3	63.5
63	29.7	23.6	35.4

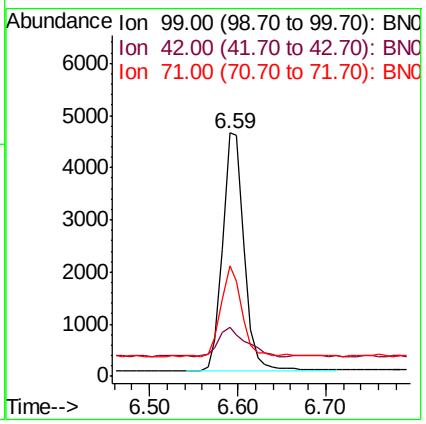




#5
Phenol-d6
Concen: 0.228 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion: 99 Resp: 7664

Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.2	16.8
71	37.7	31.8	47.8



Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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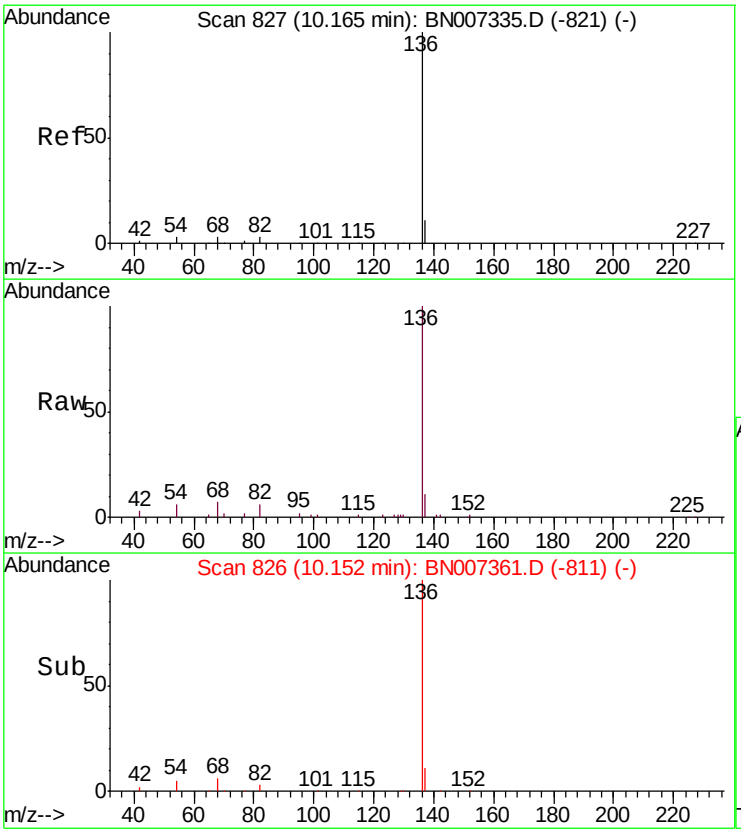
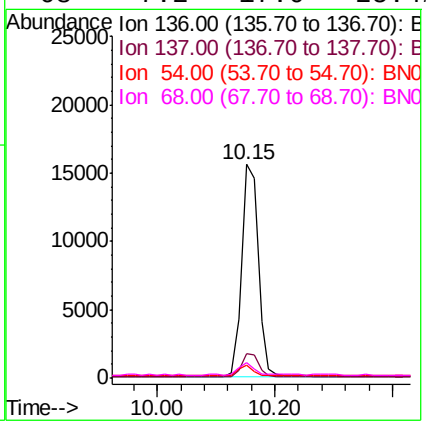
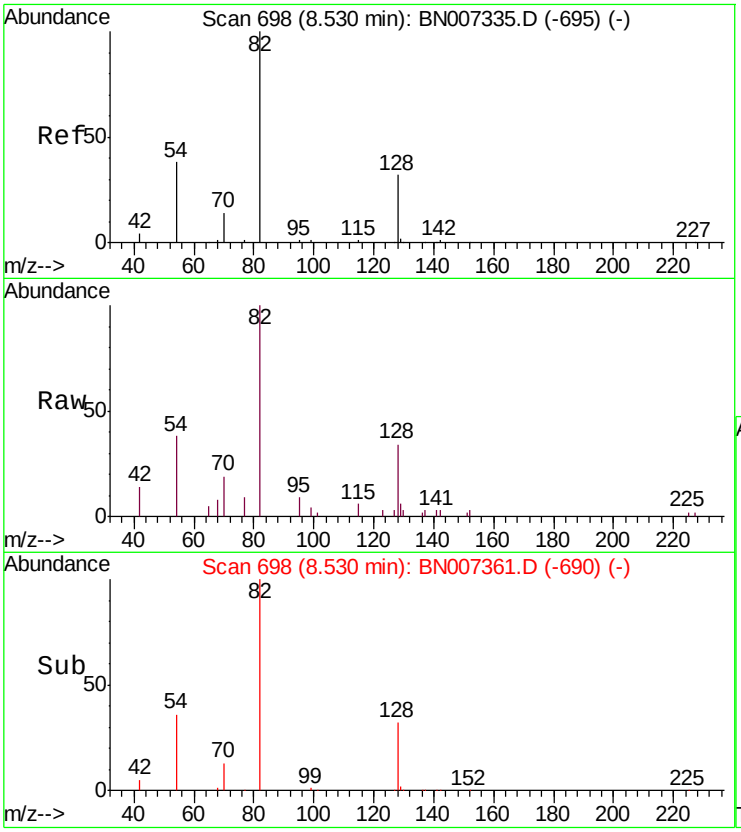


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:136 Resp: 30519

Ion	Ratio	Lower	Upper
136	100		
137	11.4	12.9	19.3#
54	6.0	8.6	12.8#
68	7.2	17.0	25.4#





#8
Nitrobenzene-d5
Concen: 0.217 ng
RT: 8.53 min Scan# 698
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion: 82 Resp: 5762

Ion	Ratio	Lower	Upper
82	100		
128	33.9	19.7	29.5#
54	37.9	25.8	38.6

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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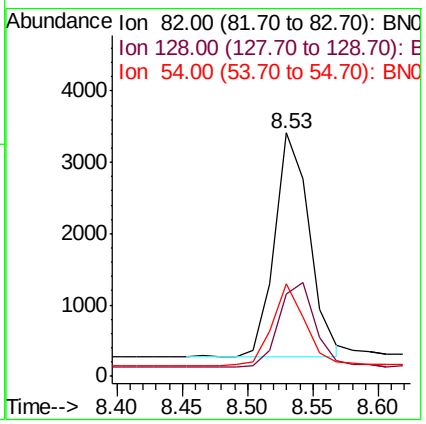
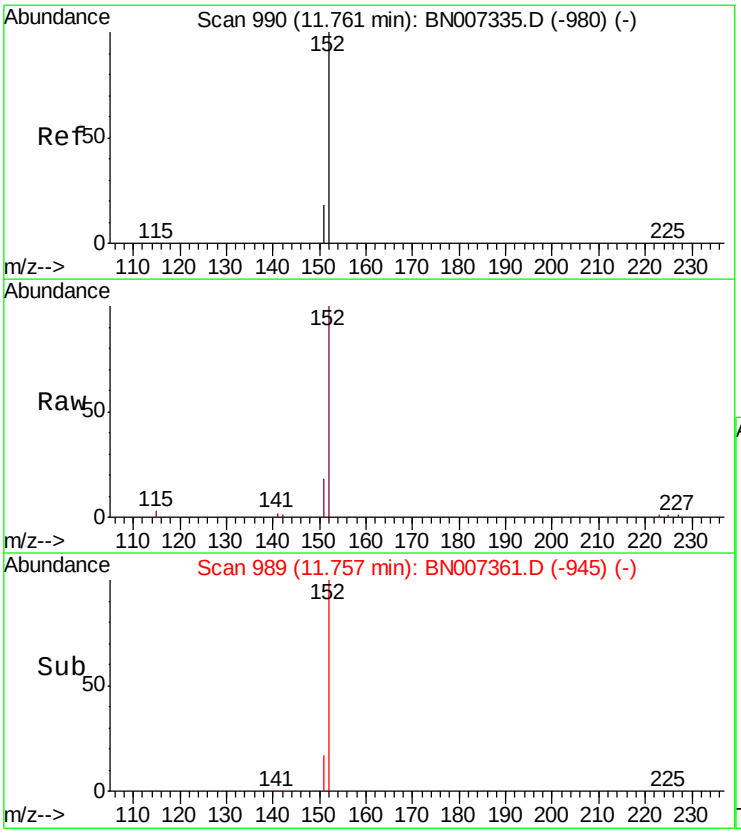
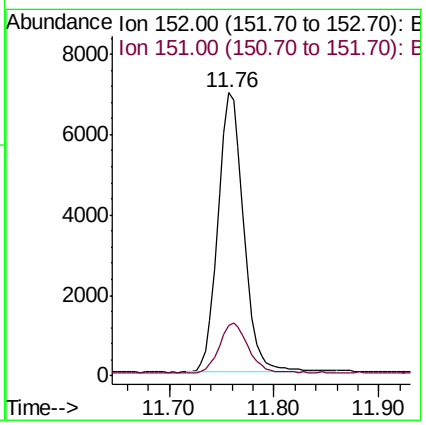


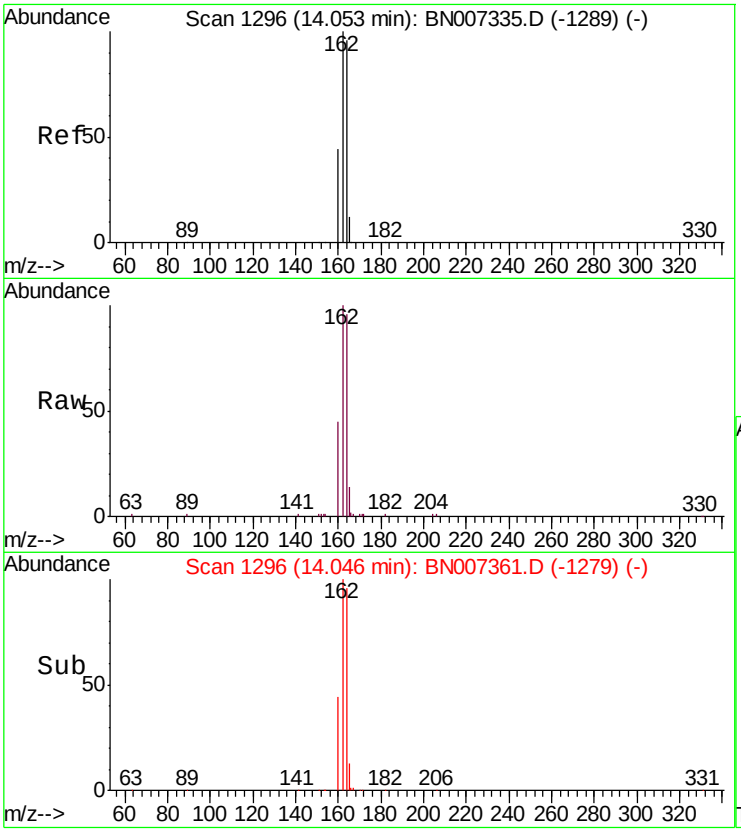


#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:152 Resp: 11857

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2

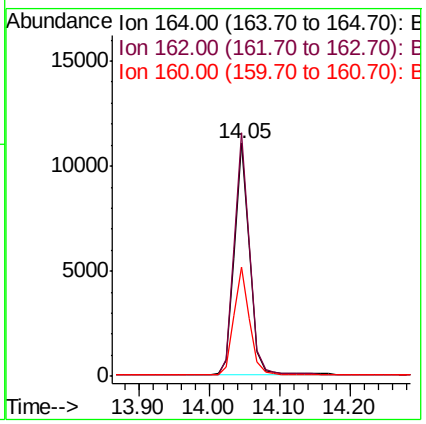




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:164 Resp: 16745

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.5	125.3
160	46.6	38.2	57.4



Instrument :
BNA_N
ClientSampleId :
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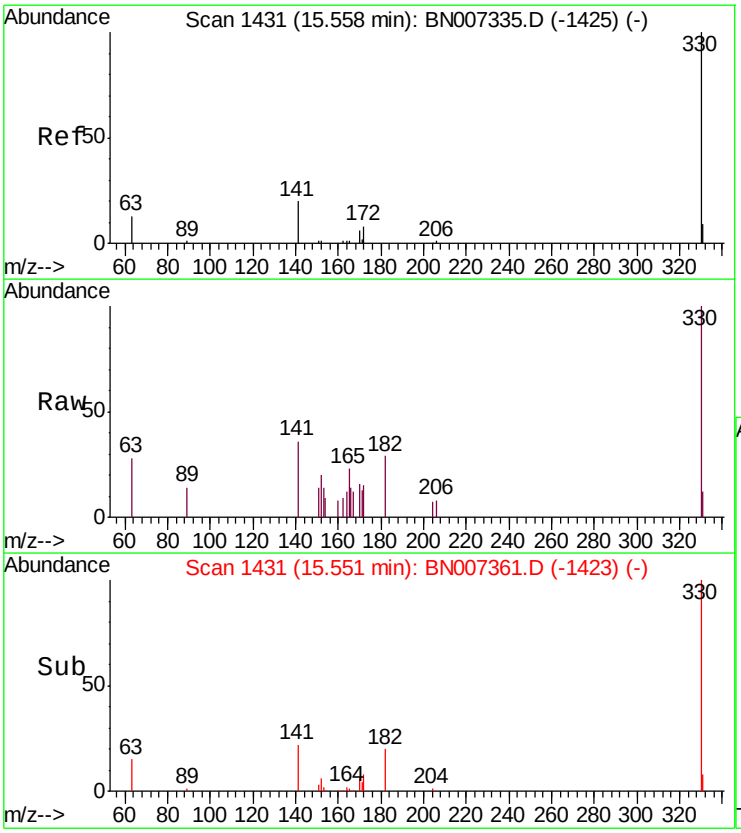
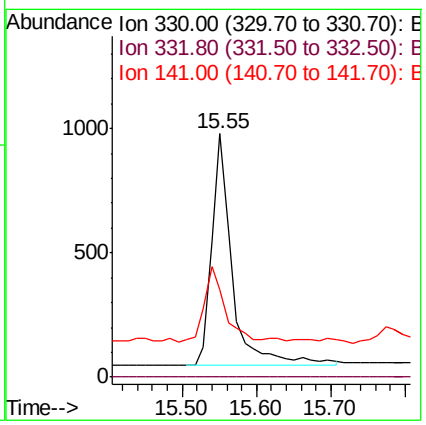
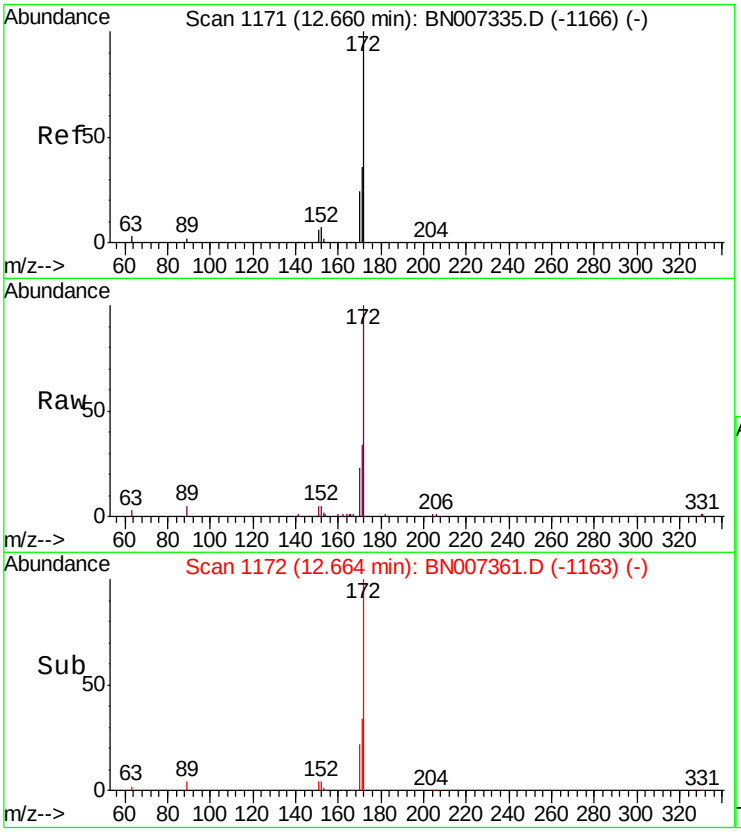


#14
2,4,6-Tribromophenol
Concen: 0.201 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:330 Resp: 1762

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.1	26.9	40.3

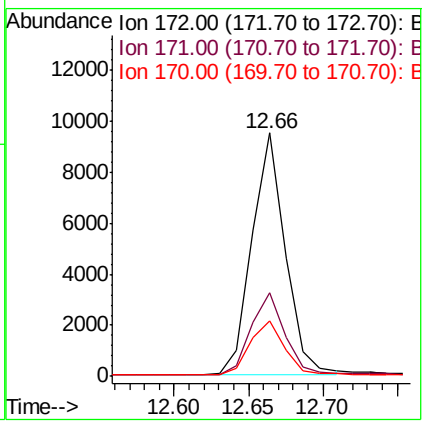




#15
2-Fluorobiphenyl
Concen: 0.218 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:172 Resp: 14715

Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.3	45.5
170	22.8	20.7	31.1



Instrument :
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ClientSampleId :
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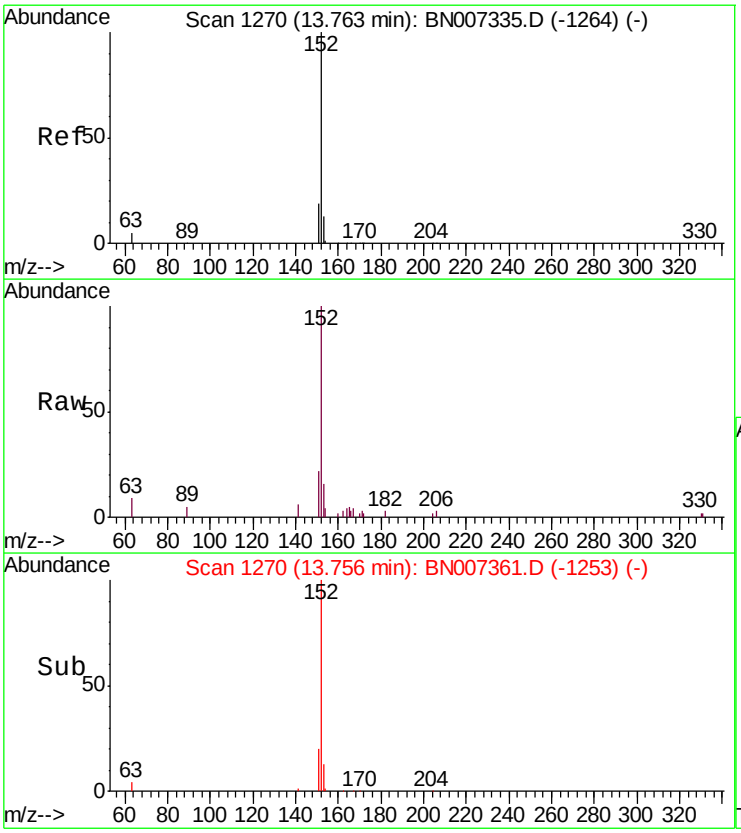
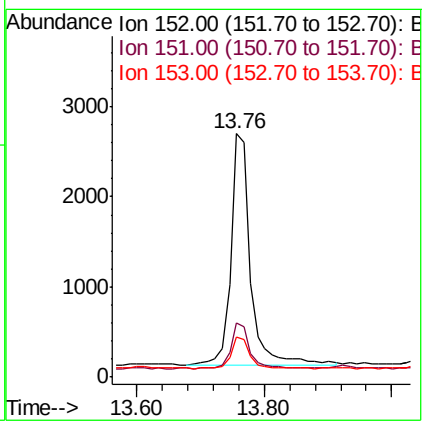
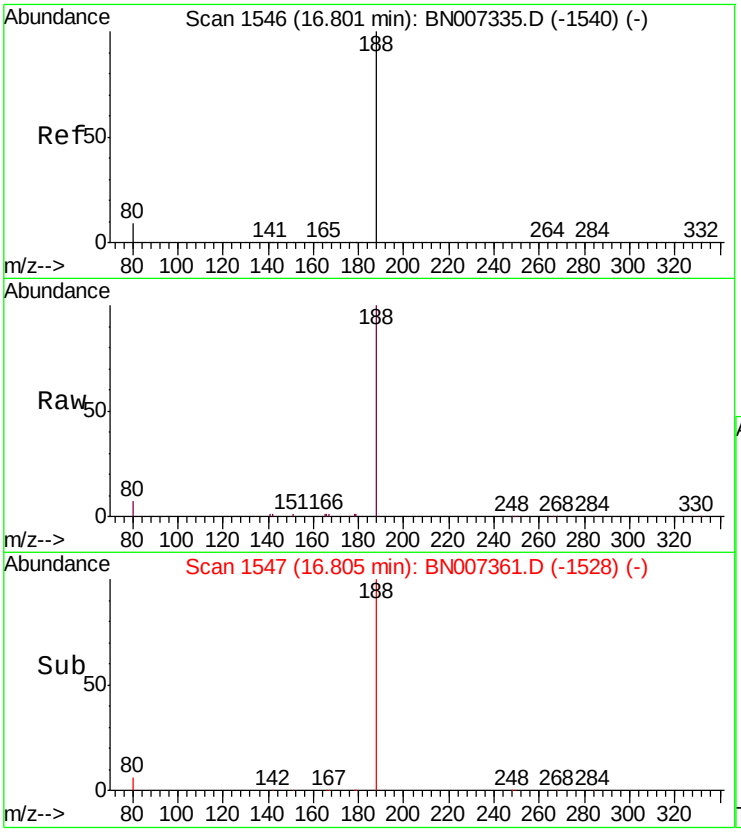


#16
Acenaphthylene
Concen: 0.055 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:152 Resp: 5460

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	13.9	10.6	15.8

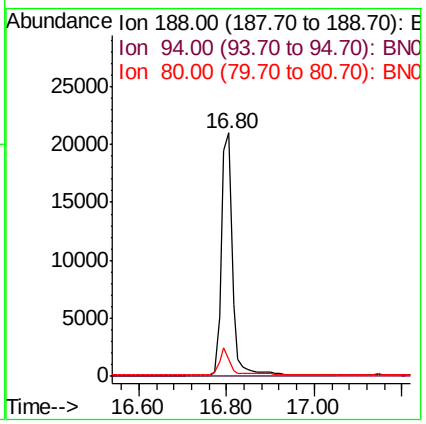




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:188 Resp: 36778

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	11.8	17.8#



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ClientSampleId :
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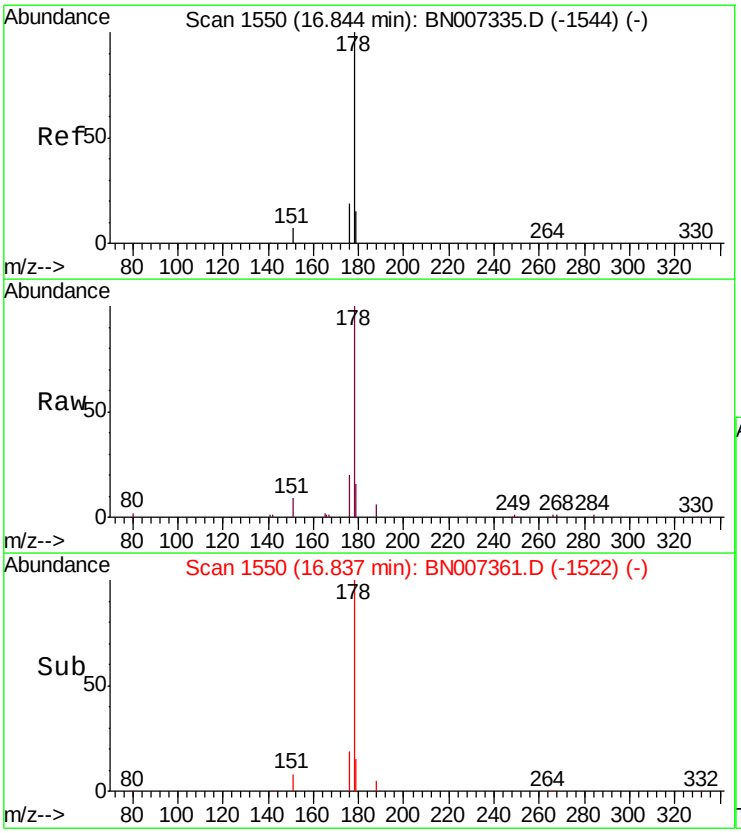
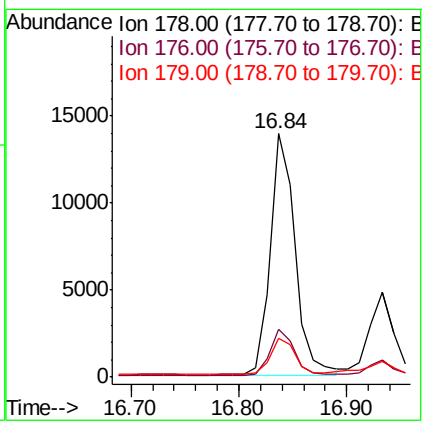
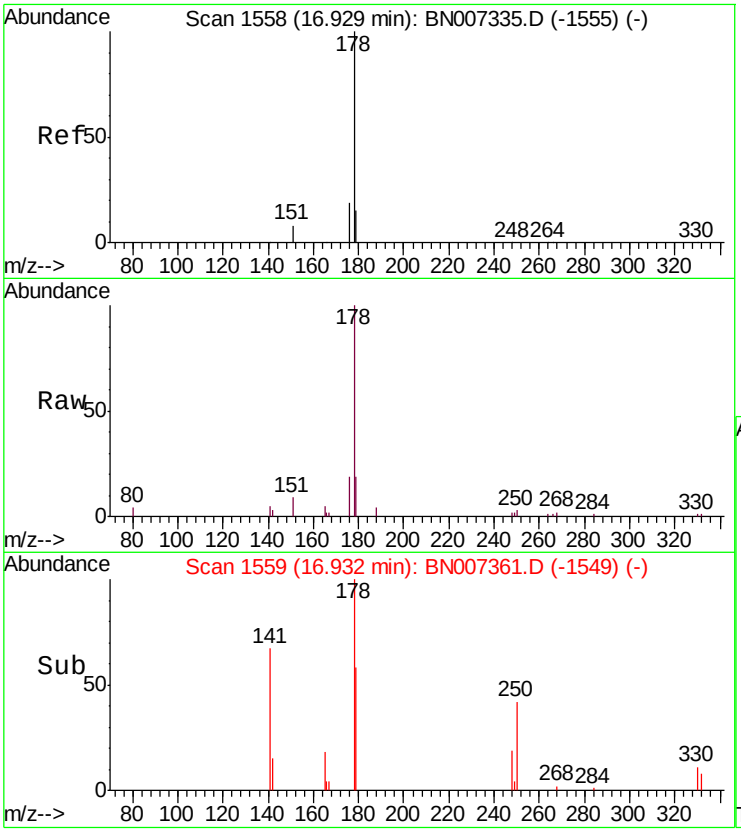


#23
Phenanthrene
Concen: 0.199 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:178 Resp: 21994

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

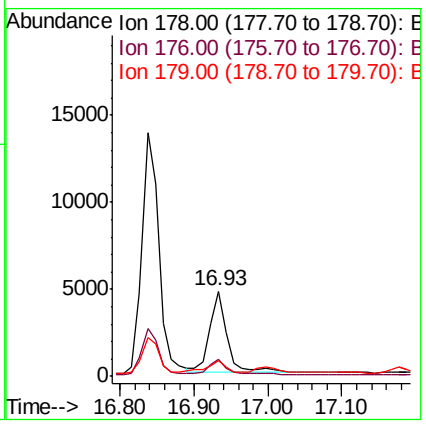




#24
Anthracene
Concen: 0.070 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:178 Resp: 7781

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.9	22.3
179	15.2	12.4	18.6



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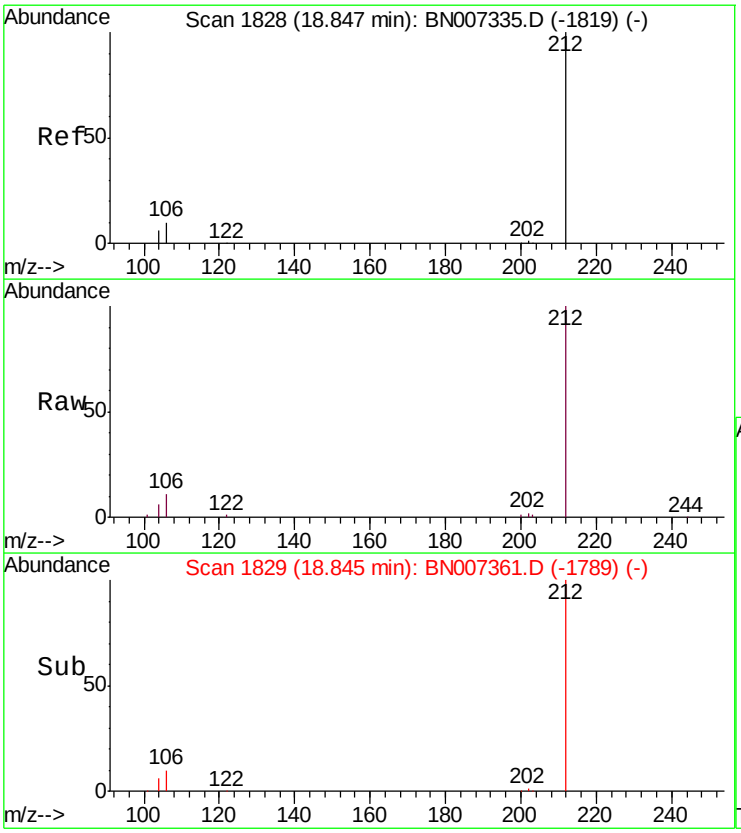
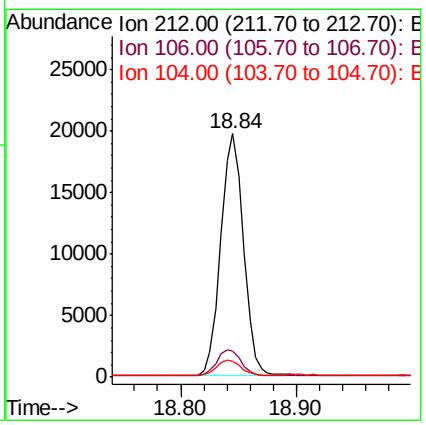
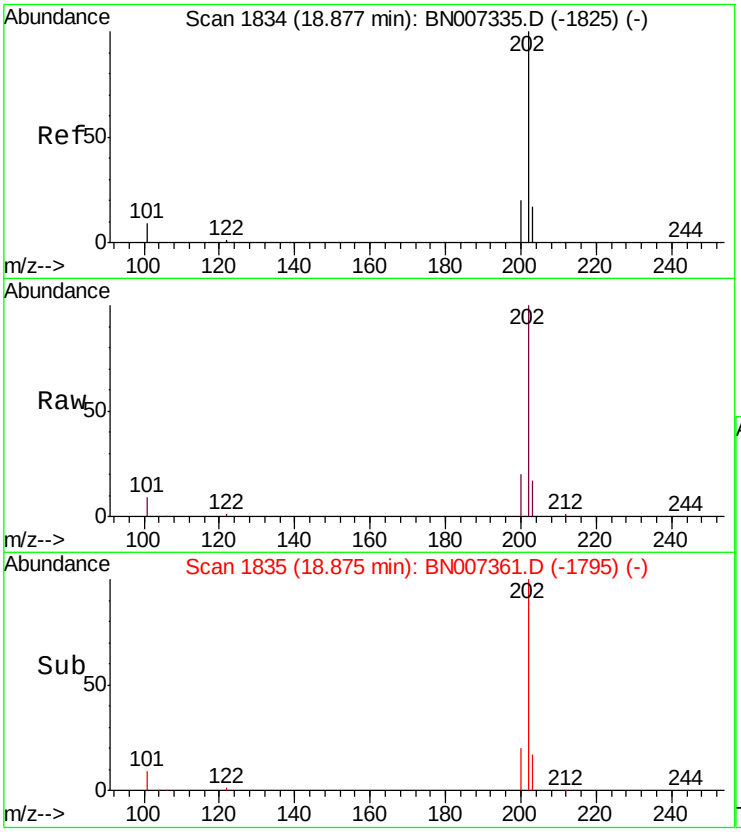


#25
Fluoranthene-d10
Concen: 0.228 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:212 Resp: 27048

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.0	13.4
104	6.5	5.4	8.2

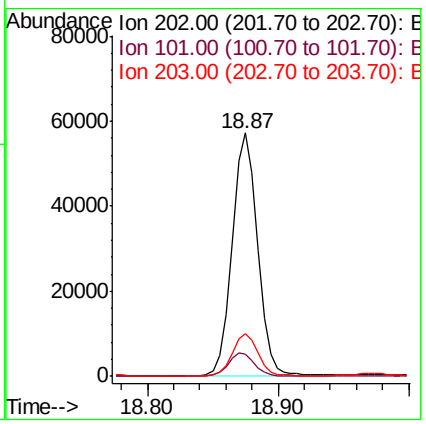




#26
Fluoranthene
Concen: 0.547 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:202 Resp: 77651

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.7	11.5
203	17.2	13.7	20.5



Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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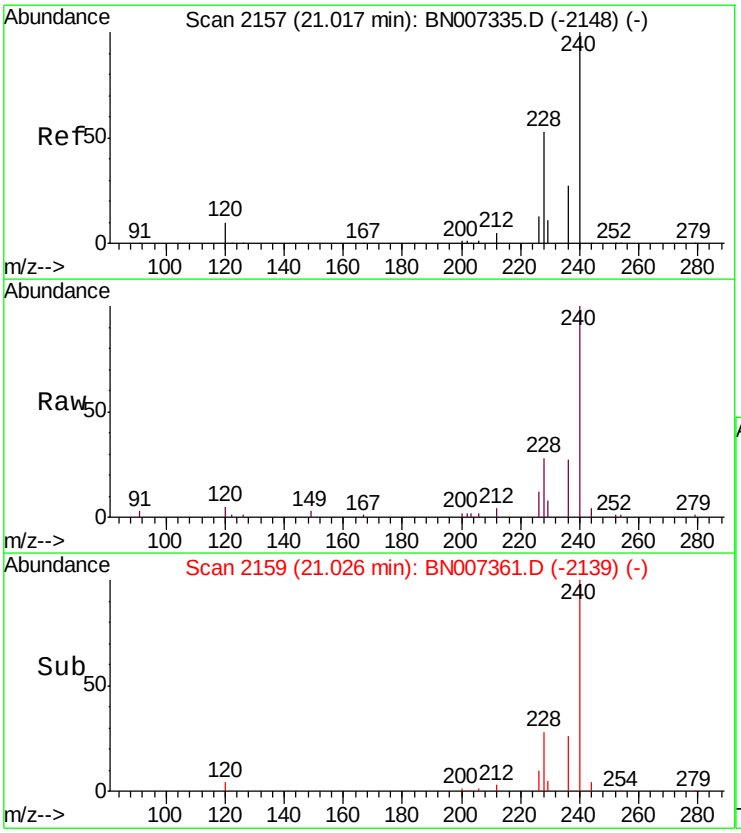
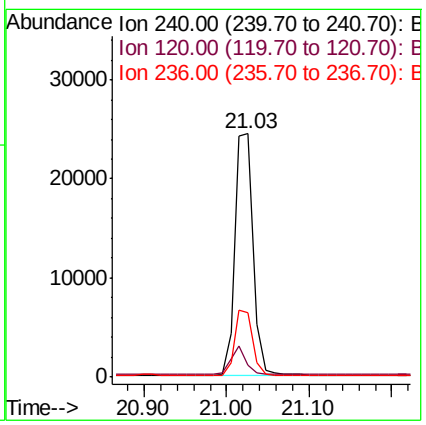
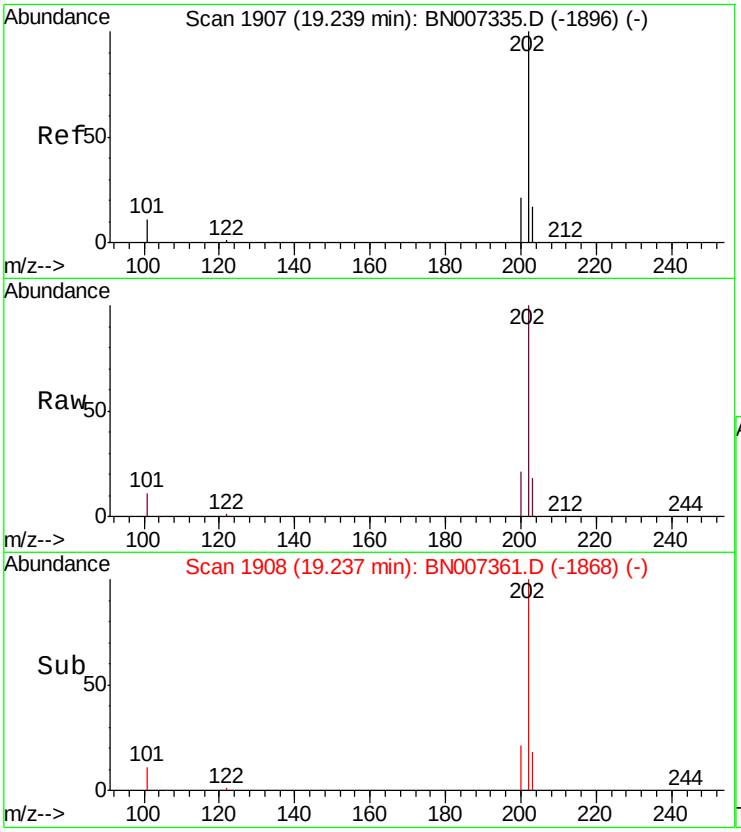


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. 0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:240 Resp: 38137

Ion	Ratio	Lower	Upper
240	100		
120	5.1	9.6	14.4#
236	26.7	22.2	33.2





#28
Pyrene
Concen: 0.451 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:202 Resp: 69263

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	21.8	14.2	21.4#

Instrument :
BNA_N
ClientSampleId :
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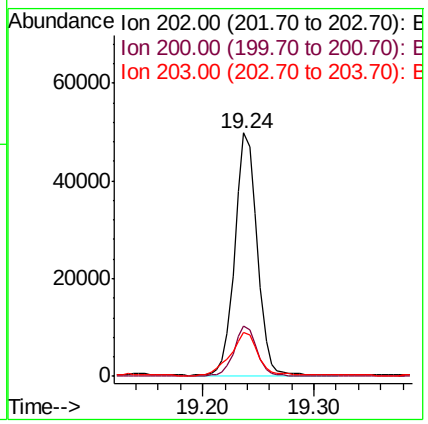
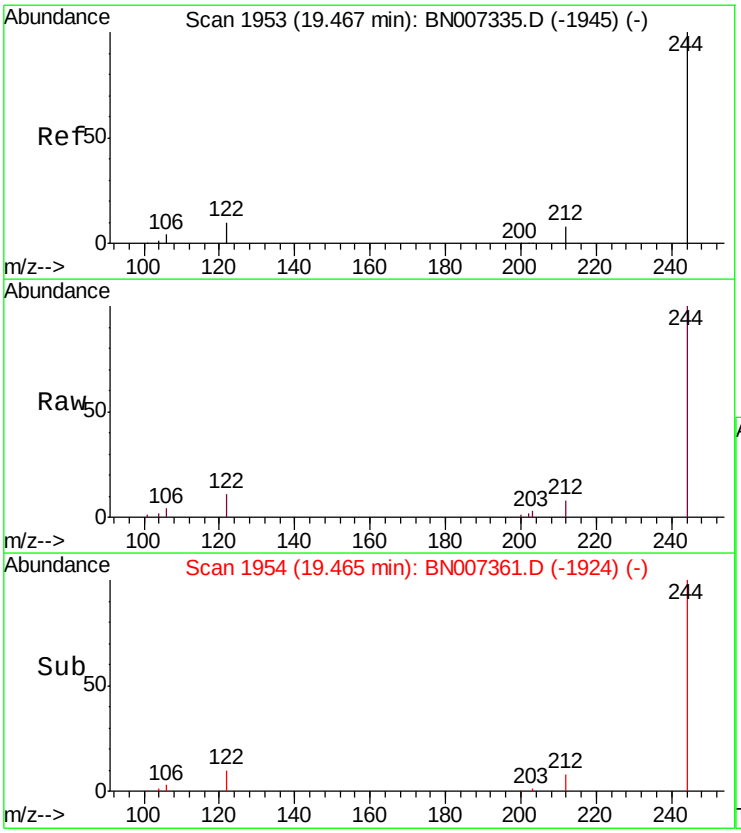
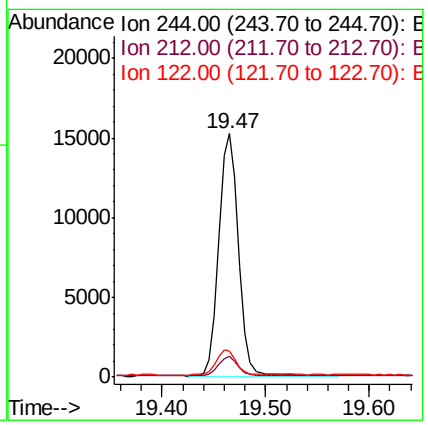


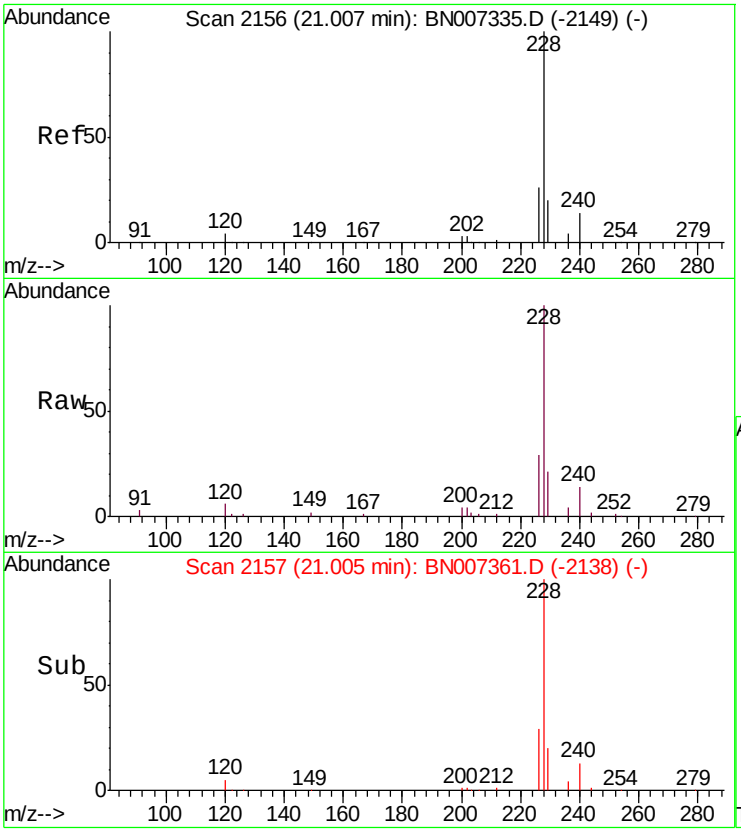


#29
Terphenyl-d14
Concen: 0.202 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:244 Resp: 20162

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.6
122	10.7	9.6	14.4

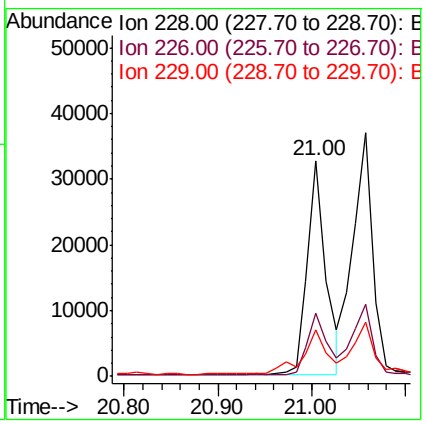




#30
Benzo(a)anthracene
Concen: 0.301 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:228 Resp: 45111

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.3	31.9
229	21.4	16.1	24.1



Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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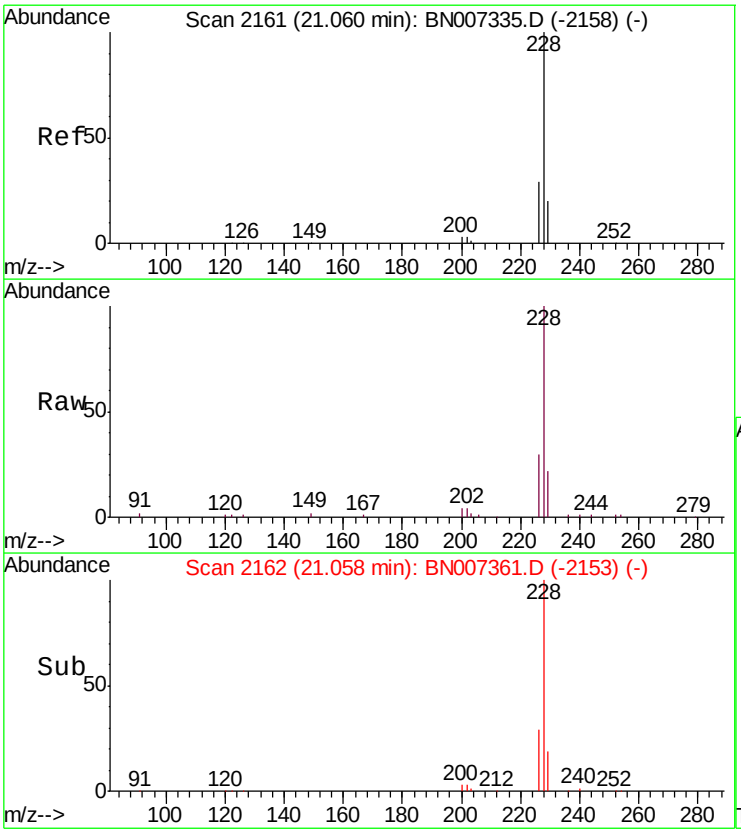
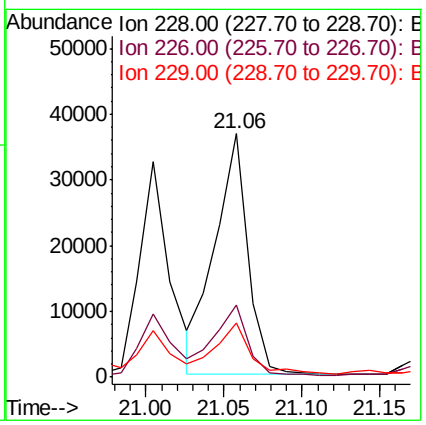
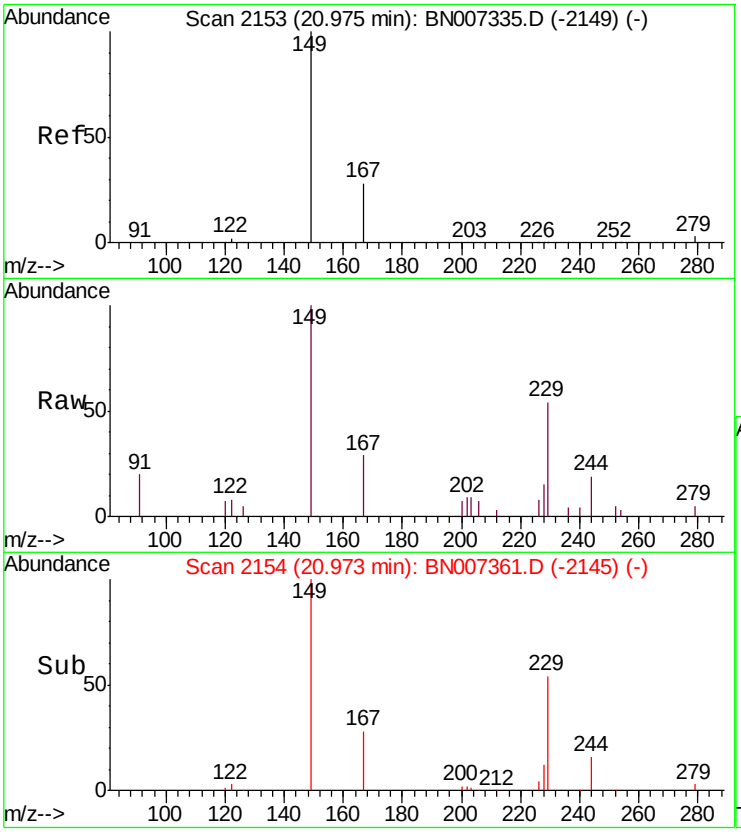


#31
Chrysene
Concen: 0.371 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:228 Resp: 53603

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	22.4	16.6	24.8





#32
Bis(2-ethylhexyl)phthalate
Concen: 0.025 ng
RT: 20.97 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:149 Resp: 4286

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.8	34.2
279	4.9	3.5	5.3

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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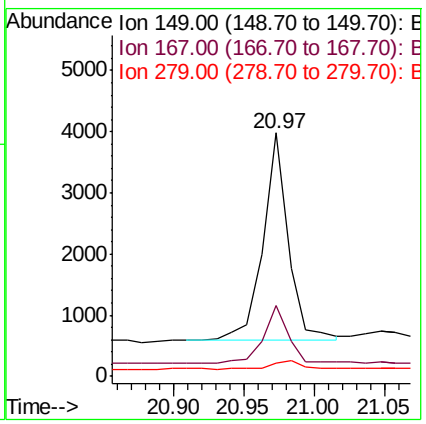
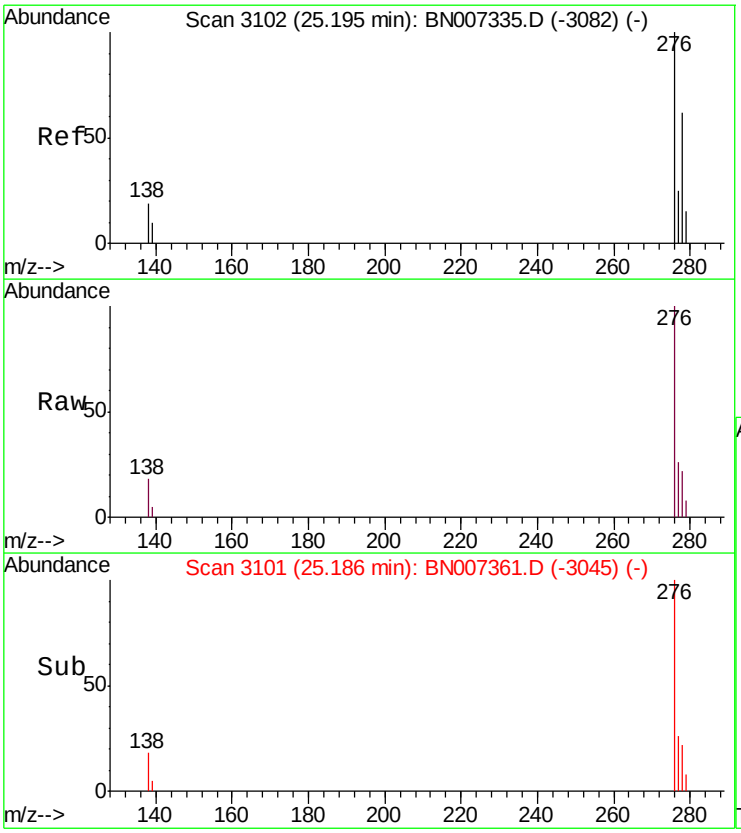
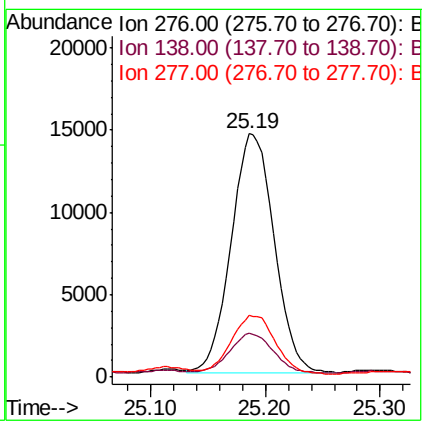


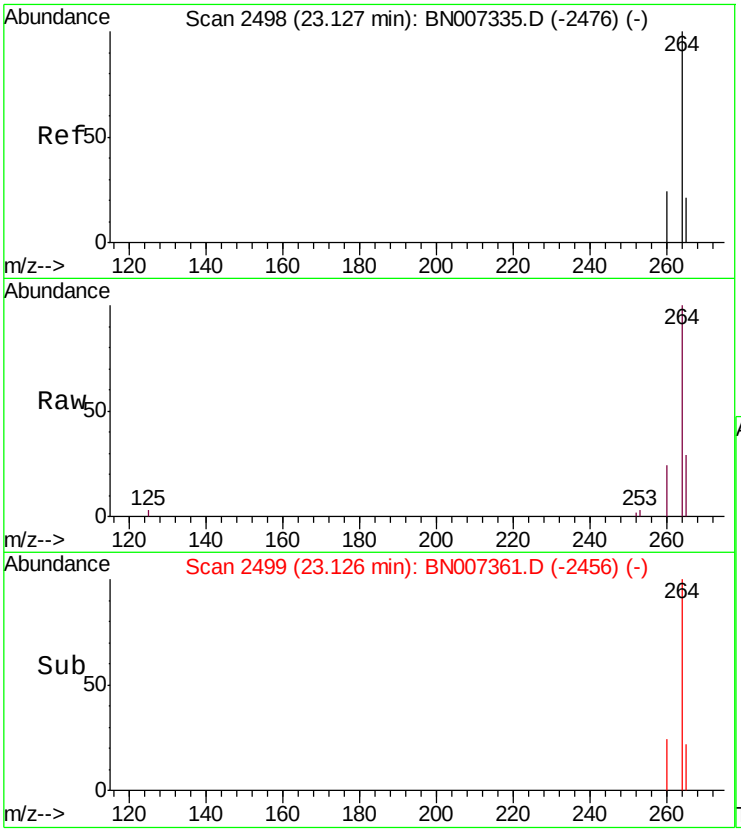


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.216 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:276 Resp: 37535

Ion	Ratio	Lower	Upper
276	100		
138	16.7	15.1	22.7
277	24.8	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: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:264 Resp: 42438

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	29.3	29.9	44.9#

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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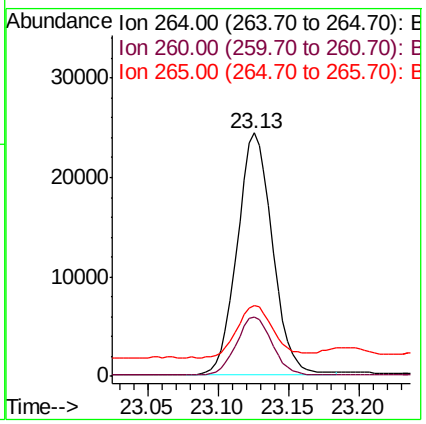
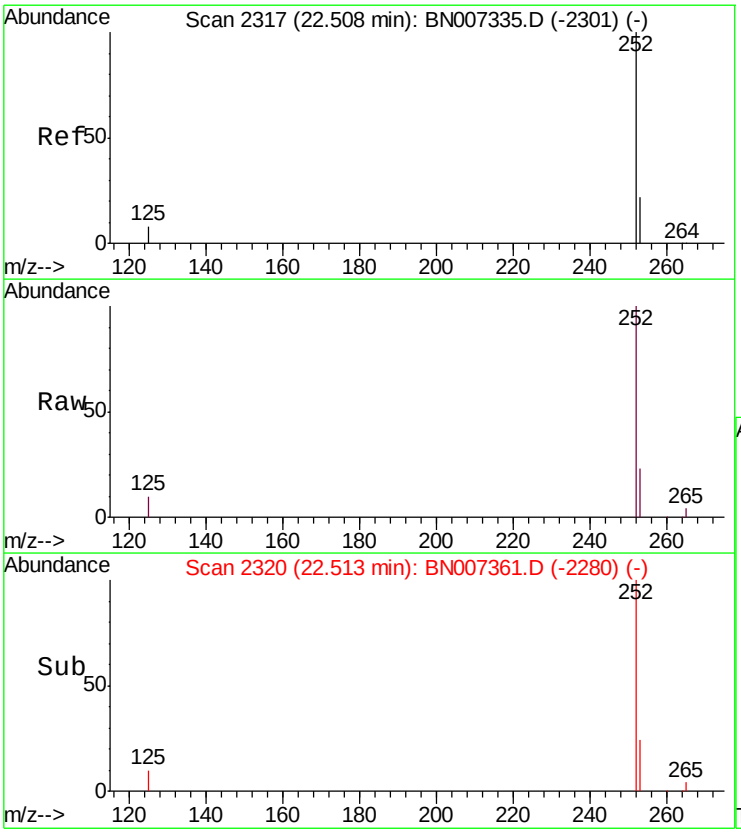
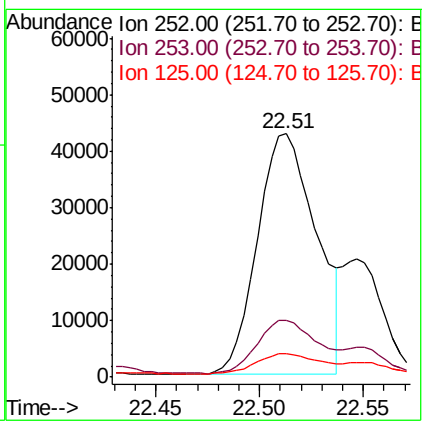


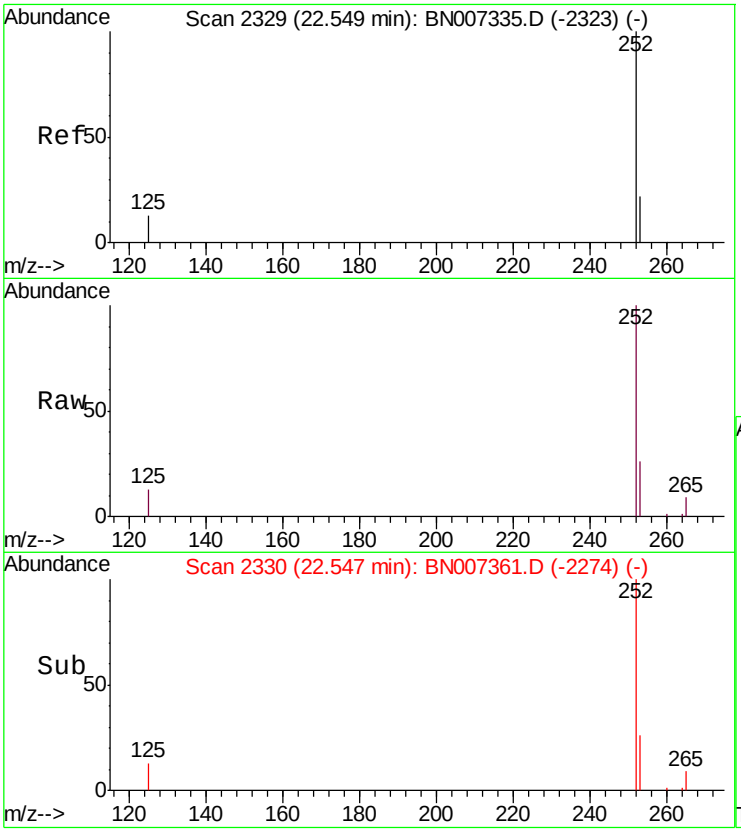


#35
Benzo(b)fluoranthene
Concen: 0.548 ng
RT: 22.51 min Scan# 2320
Delta R.T. 0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:252 Resp: 84314

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	9.6	10.6	16.0#





#36
Benzo(k)fluoranthene
Concen: 0.184 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:252 Resp: 27963

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.4	29.2
125	12.5	13.1	19.7#

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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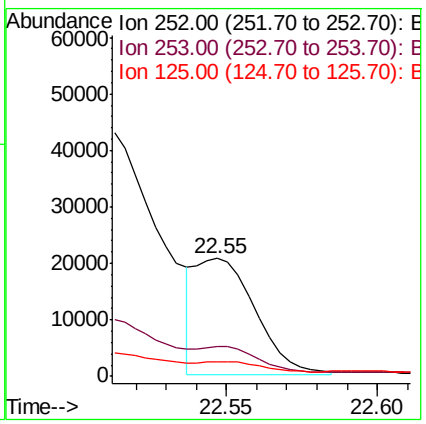
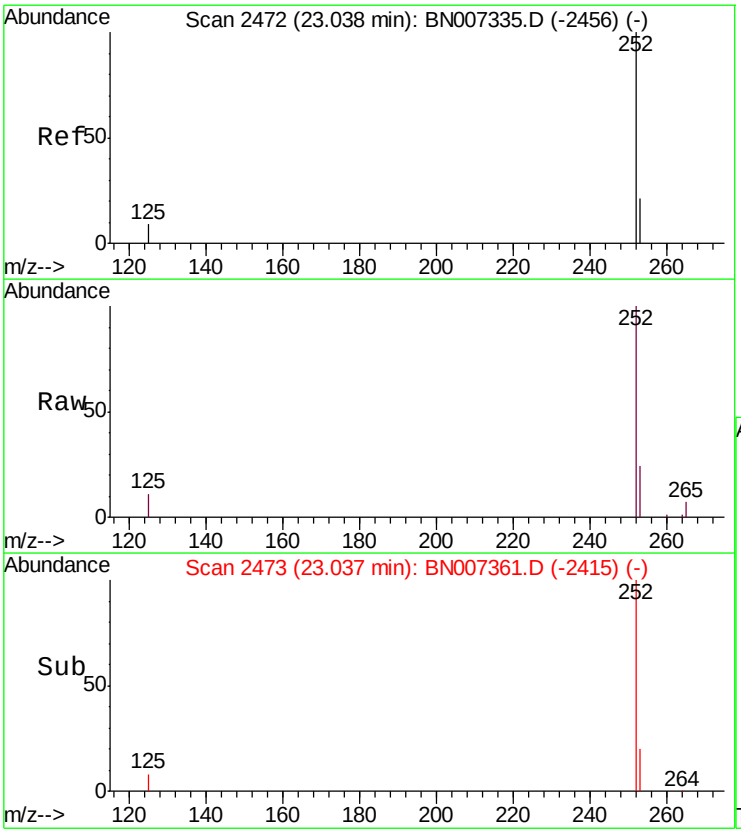
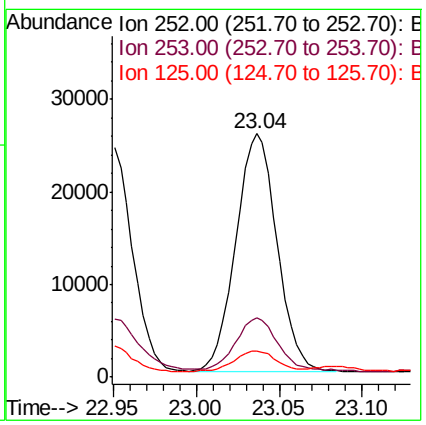


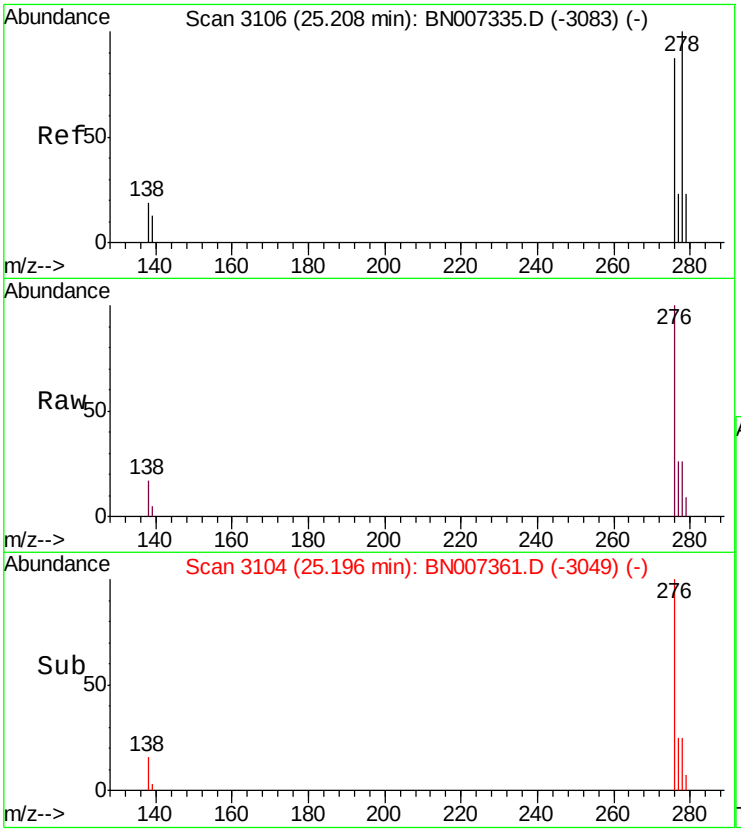


#37
Benzo(a)pyrene
Concen: 0.303 ng m
RT: 23.04 min Scan# 2473
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:252 Resp: 44340

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	10.7	12.1	18.1#





#38
Dibenzo(a,h)anthracene
Concen: 0.070 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:278 Resp: 10220

Ion	Ratio	Lower	Upper
278	100		
139	19.4	13.7	20.5
279	35.2	20.2	30.4#

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

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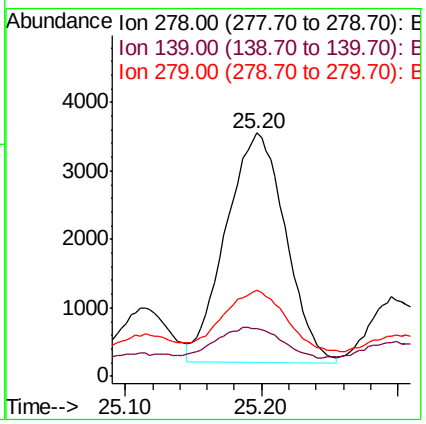

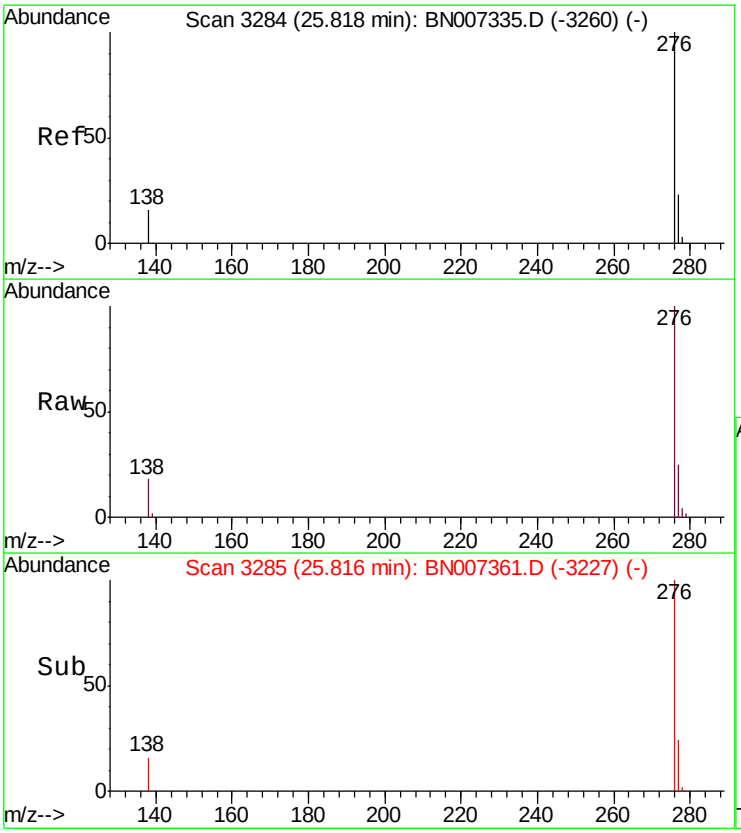

#39
Benzo(g,h,i)perylene
Concen: 0.256 ng
RT: 25.82 min Scan# 3285
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:276 Resp: 37231

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.6	29.4
138	18.2	16.3	24.5