Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006655.D
Acq On : 01 Jul 2019 10:22
Operator : HP/JU
Sample : K3504-19MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-013-B213-062019MSD

Manual Integrations APPROVED
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Quant Time: Jul 02 05:18:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4443	0.40	ng		0.00
7) Naphthalene-d8	10.40	136	17512	0.40	ng		0.00
13) Acenaphthene-d10	14.27	164	9503	0.40	ng		-0.01
19) Phenanthrene-d10	17.03	188	21018	0.40	ng		-0.01
27) Chrysene-d12	21.27	240	18883	0.40	ng		0.00
34) Perylene-d12	23.52	264	20265	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	4573	0.42	ng		0.00
5) Phenol-d6	6.81	99	6552	0.45	ng		-0.02
8) Nitrobenzene-d5	8.78	82	4547	0.39	ng		-0.01
11) 2-Methylnaphthalene-d10	12.00	152	13476m	0.49	ng		0.00
14) 2,4,6-Tribromophenol	15.78	330	1678	0.38	ng		-0.01
15) 2-Fluorobiphenyl	12.88	172	13420	0.38	ng		-0.01
25) Fluoranthene-d10	19.08	212	20508	0.33	ng		0.00
29) Terphenyl-d14	19.68	244	14527	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	1771	0.288	ng	#	57
3) n-Nitrosodimethylamine	3.48	42	1952	0.404	ng	#	87
6) bis(2-Chloroethyl)ether	7.06	93	4714	0.366	ng	#	87
9) Naphthalene	10.44	128	20204	0.439	ng		100
10) Hexachlorobutadiene	10.72	225	3309	0.350	ng	#	99
12) 2-Methylnaphthalene	12.07	142	13511	0.425	ng		100
16) Acenaphthylene	13.99	152	29754	0.657	ng		100
17) Acenaphthene	14.33	154	12156	0.407	ng		99
18) Fluorene	15.32	166	16003	0.425	ng		99
20) 4-Bromophenyl-phenylether	16.22	248	4456	0.383	ng	#	90
21) Hexachlorobenzene	16.33	284	5152	0.350	ng		100
22) Pentachlorophenol	16.72	266	457	0.328	ng		97
23) Phenanthrene	17.07	178	54401	0.910	ng		100
24) Anthracene	17.16	178	28619	0.552	ng		98
26) Fluoranthene	19.11	202	90447	1.245	ng		99
28) Pyrene	19.47	202	107662	1.629	ng		98
30) Benzo(a)anthracene	21.25	228	60295	0.977	ng		98
31) Chrysene	21.30	228	68350	1.027	ng		98
32) Bis(2-ethylhexyl)phthalate	21.17	149	90434	2.910	ng		100
33) Indeno(1,2,3-cd)pyrene	25.75	276	50085	0.744	ng		98
35) Benzo(b)fluoranthene	22.85	252	67951	0.986	ng		99
36) Benzo(k)fluoranthene	22.89	252	42202	0.574	ng		97
37) Benzo(a)pyrene	23.42	252	58016	0.900	ng		99
38) Dibenzo(a,h)anthracene	25.76	278	28455	0.505	ng		95
39) Benzo(g,h,i)perylene	26.44	276	48040	0.855	ng		99

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

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QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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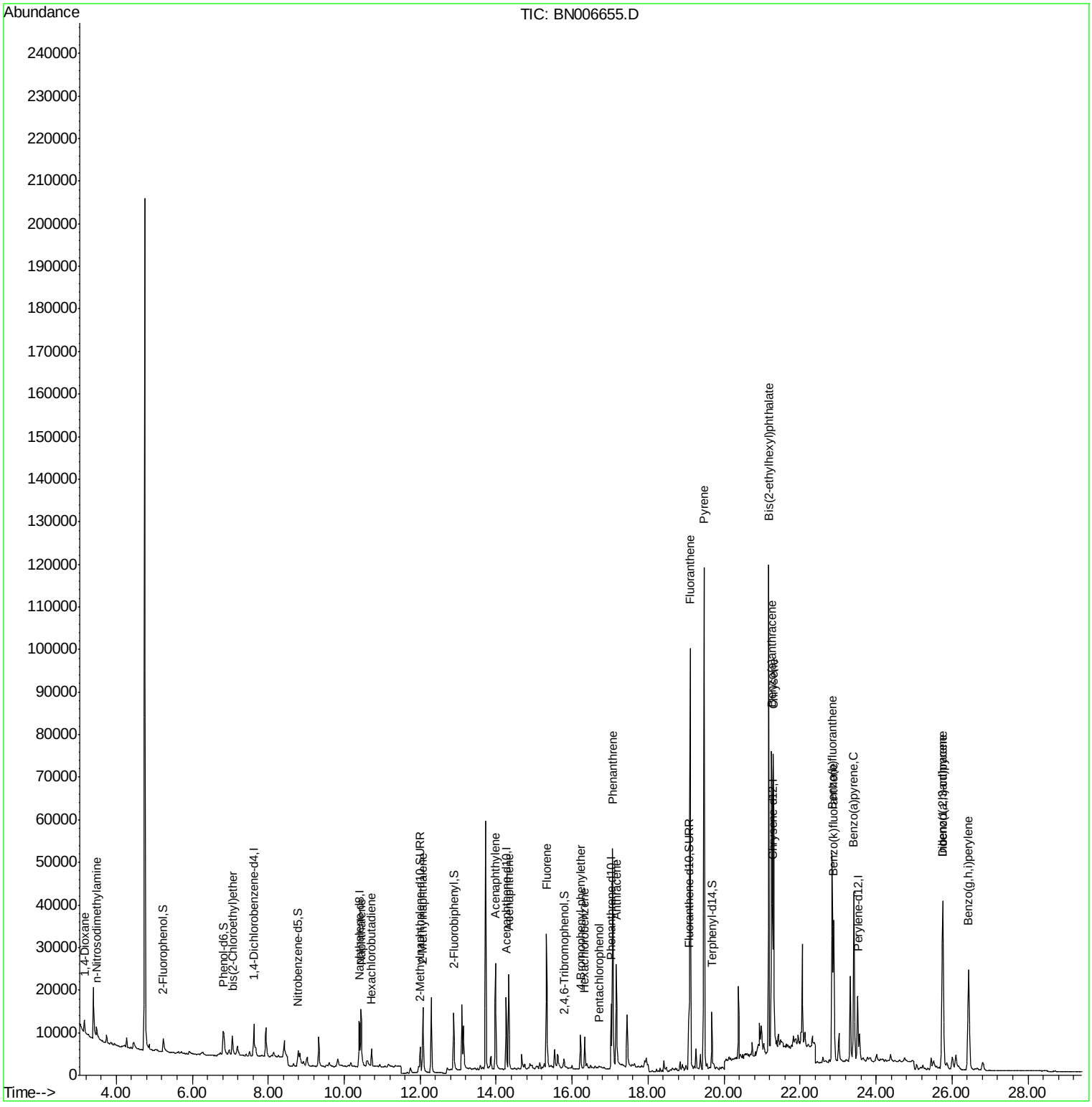
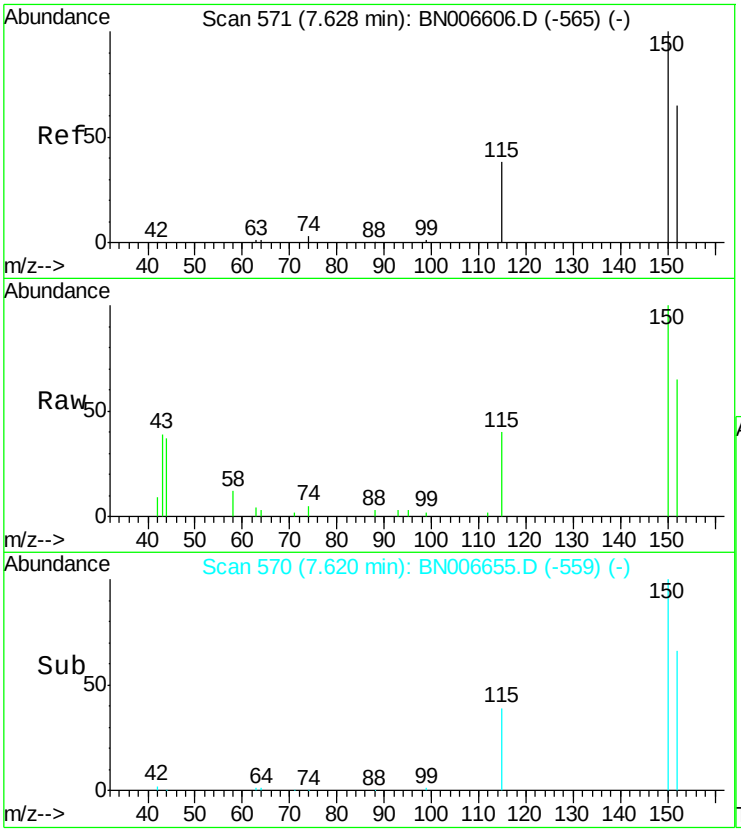
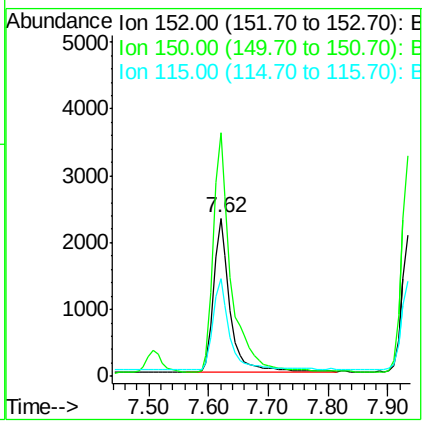




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:152 Resp: 4443

Ion	Ratio	Lower	Upper
152	100		
150	153.7	122.2	183.2
115	61.6	50.0	75.0



Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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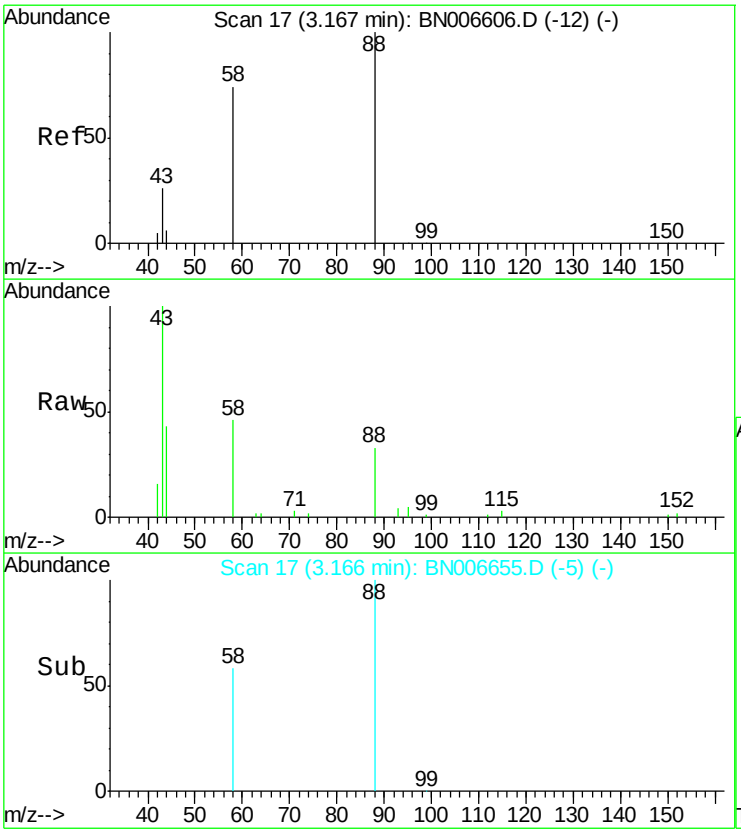
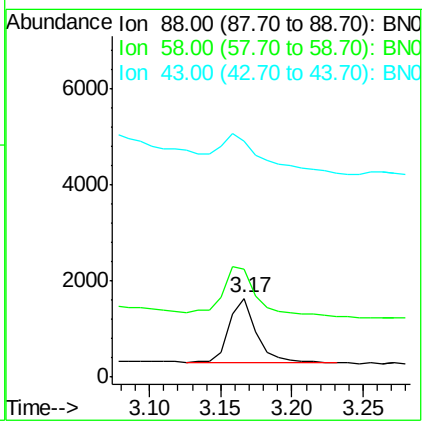
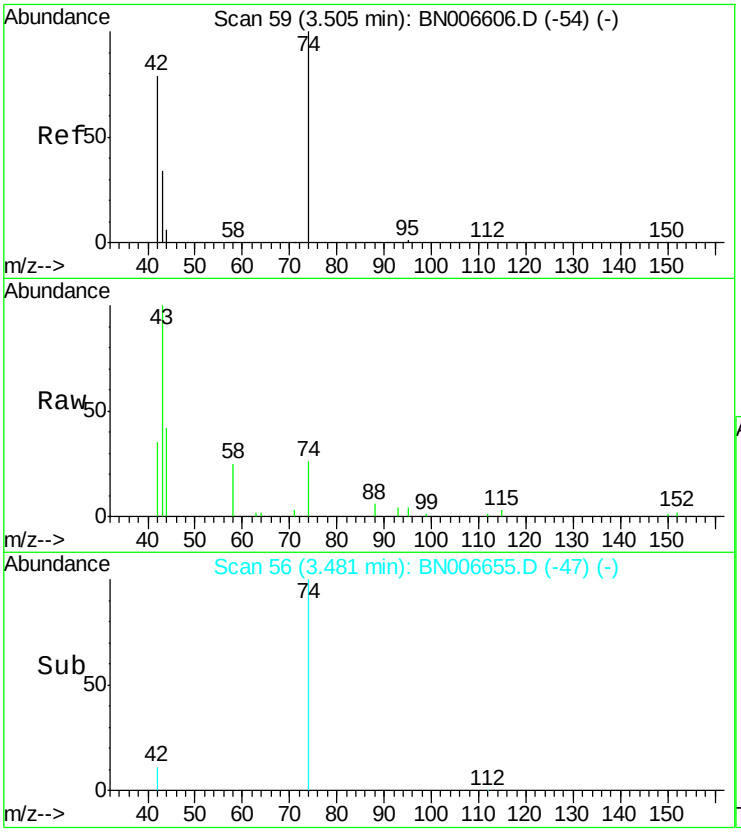


#2
1,4-Dioxane
Concen: 0.288 ng
RT: 3.17 min Scan# 17
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion: 88 Resp: 1771

Ion	Ratio	Lower	Upper
88	100		
58	94.7	62.5	93.7#
43	87.6	25.4	38.0#

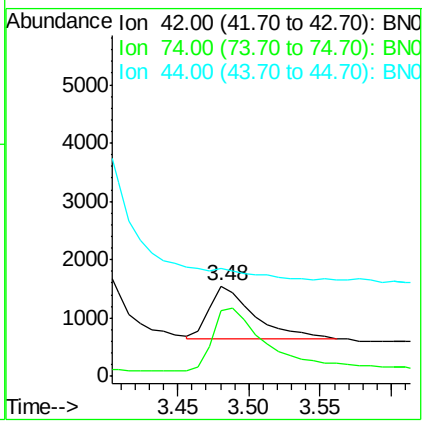




#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.48 min Scan# 56
Delta R.T. -0.02 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion: 42 Resp: 1952

Ion	Ratio	Lower	Upper
42	100		
74	144.1	103.1	154.7
44	0.0	3.4	5.2#



Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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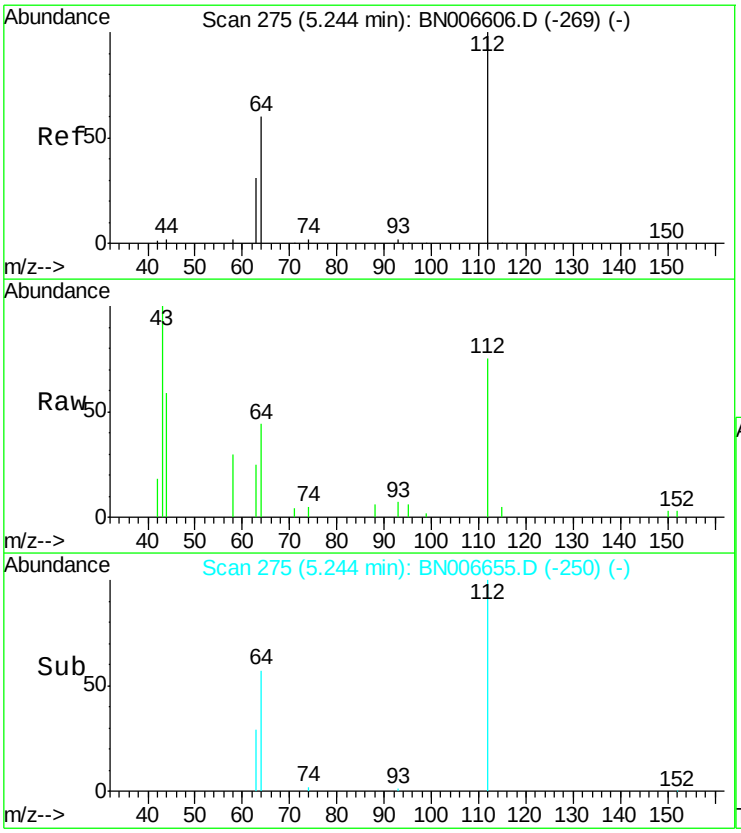
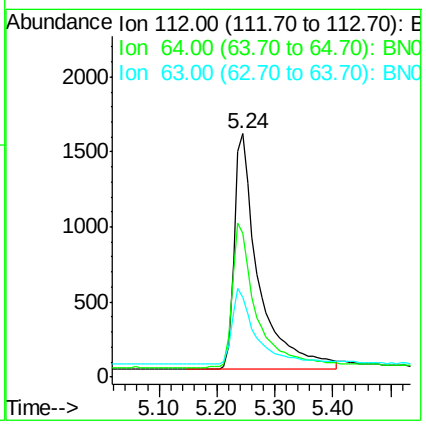
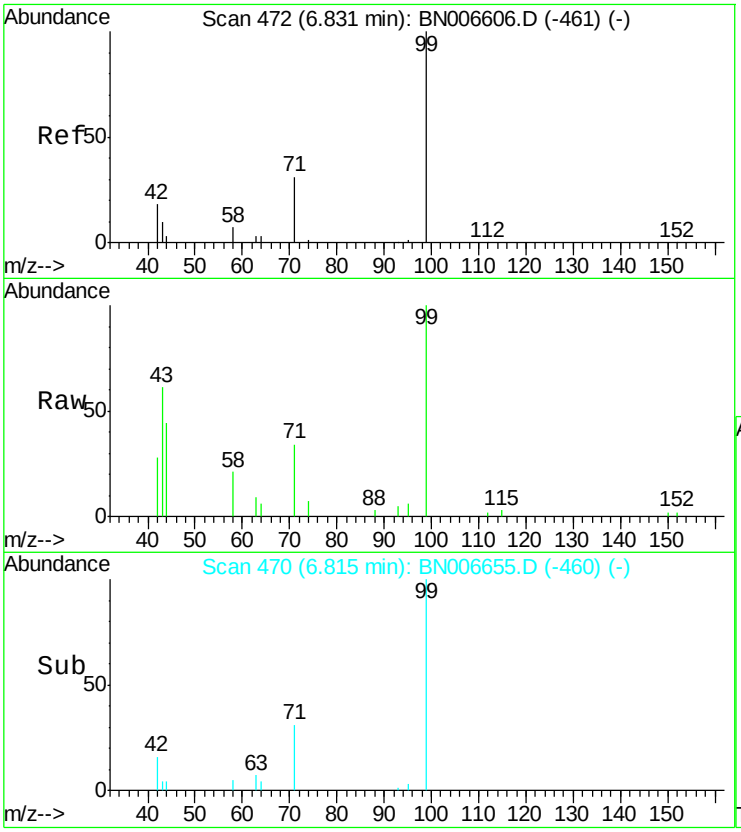


#4
2-Fluorophenol
Concen: 0.420 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:112 Resp: 4573

Ion	Ratio	Lower	Upper
112	100		
64	61.9	48.9	73.3
63	31.8	24.3	36.5

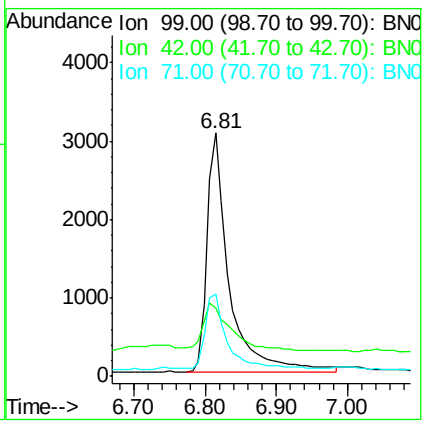




#5
Phenol-d6
Concen: 0.454 ng
RT: 6.81 min Scan# 470
Delta R.T. -0.02 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion: 99 Resp: 6552

Ion	Ratio	Lower	Upper
99	100		
42	24.5	16.4	24.6
71	29.2	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
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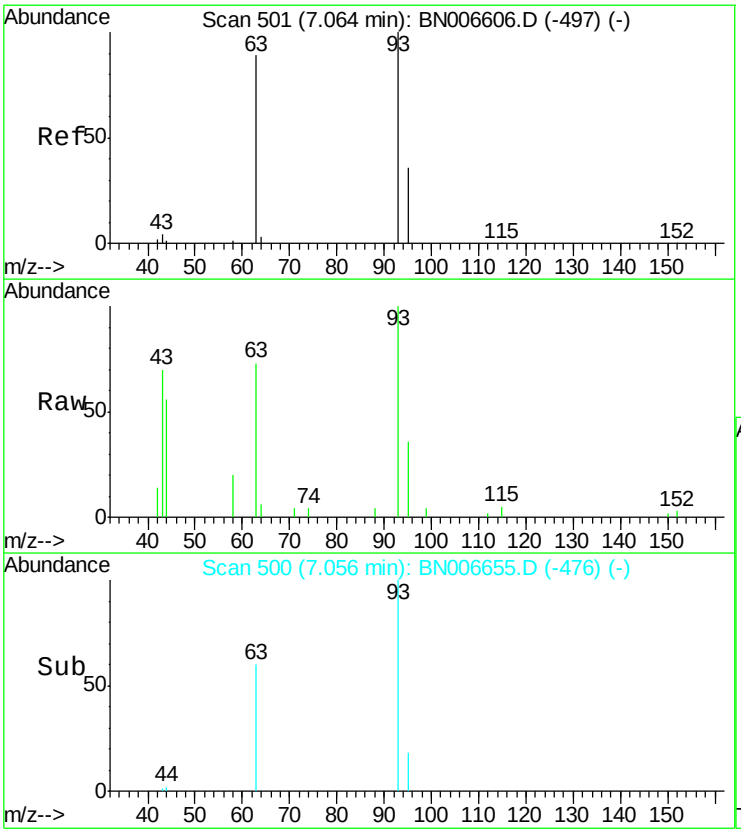
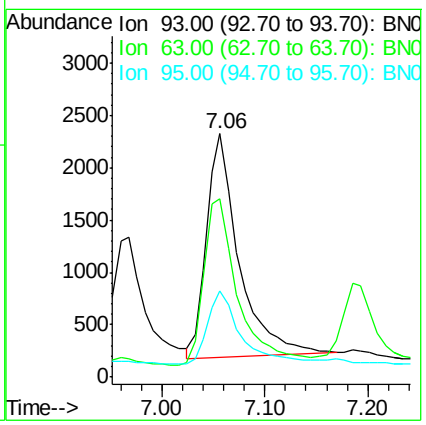
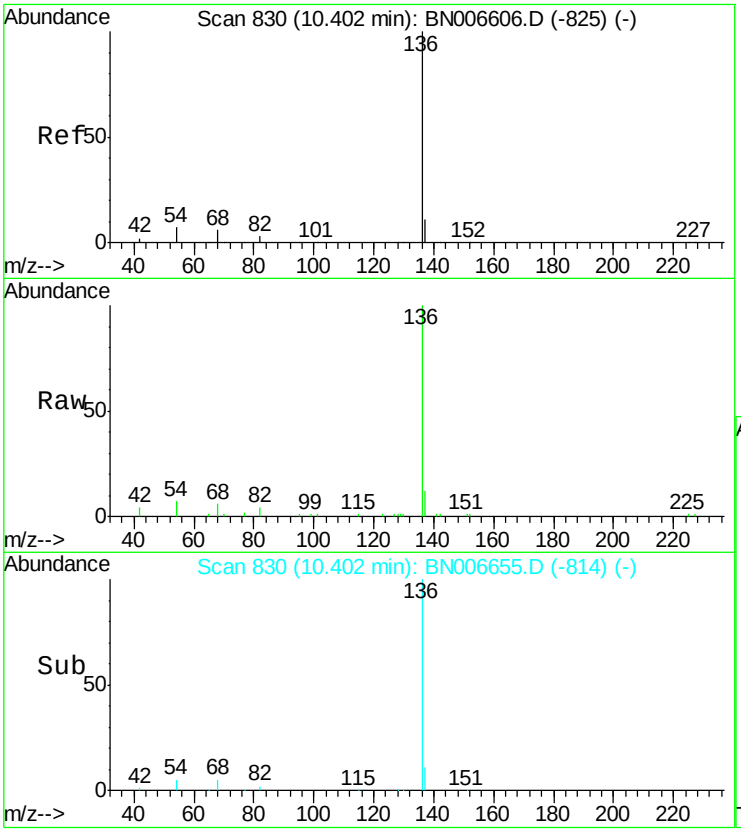


#6
bis(2-Chloroethyl)ether
Concen: 0.366 ng
RT: 7.06 min Scan# 500
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion: 93 Resp: 4714

Ion	Ratio	Lower	Upper
93	100		
63	78.7	52.5	78.7#
95	32.8	24.2	36.4

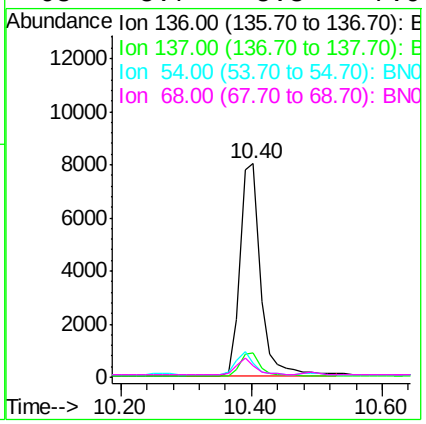




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.40 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:136 Resp: 17512

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	6.7	6.7	10.1
68	5.7	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
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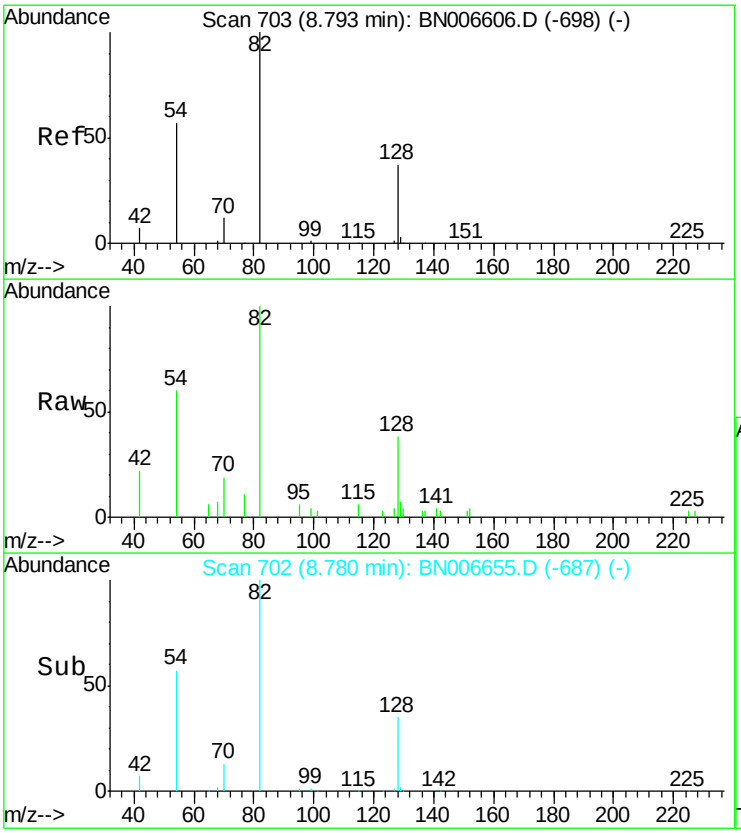
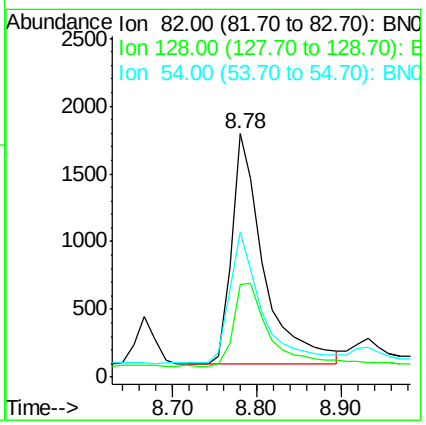
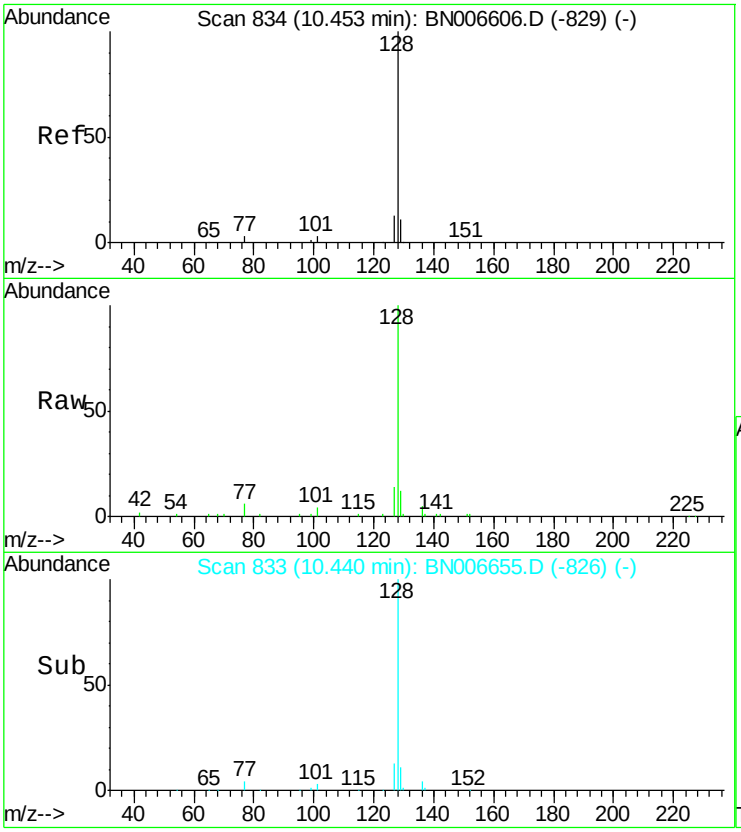


#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 8.78 min Scan# 702
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion: 82 Resp: 4547

Ion	Ratio	Lower	Upper
82	100		
128	38.0	32.6	49.0
54	59.8	48.2	72.4

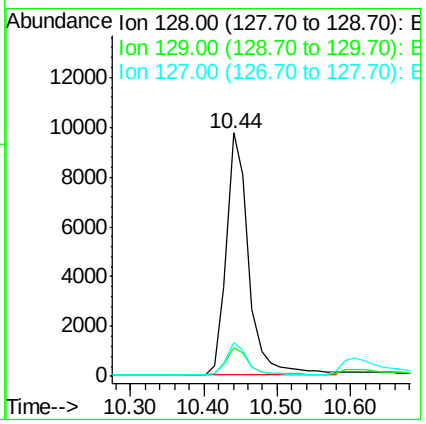




#9
Naphthalene
Concen: 0.439 ng
RT: 10.44 min Scan# 833
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:128 Resp: 20204

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.6	10.8	16.2



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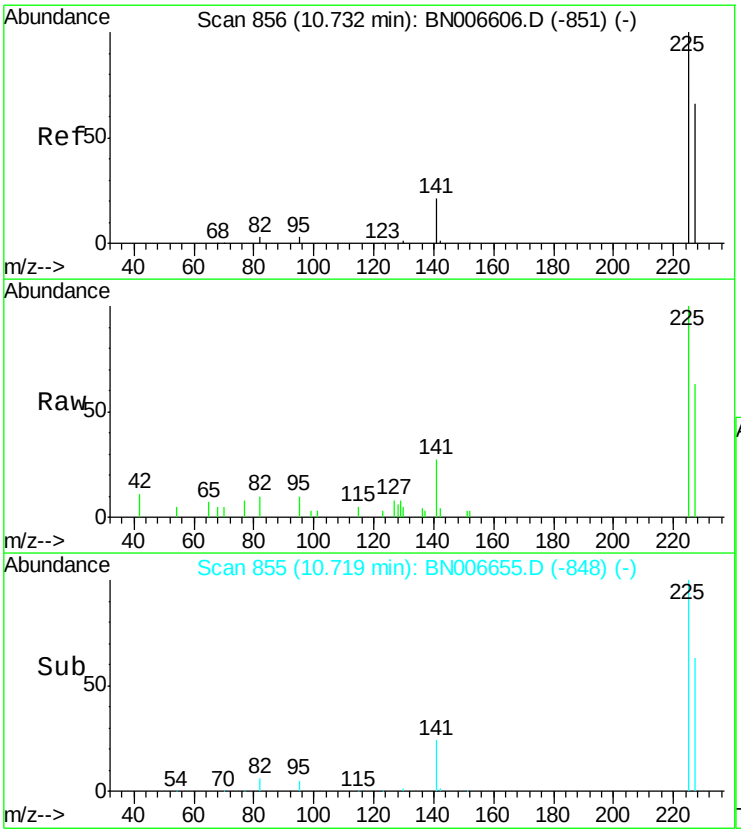
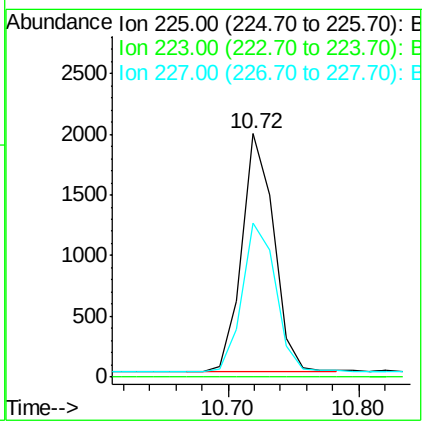
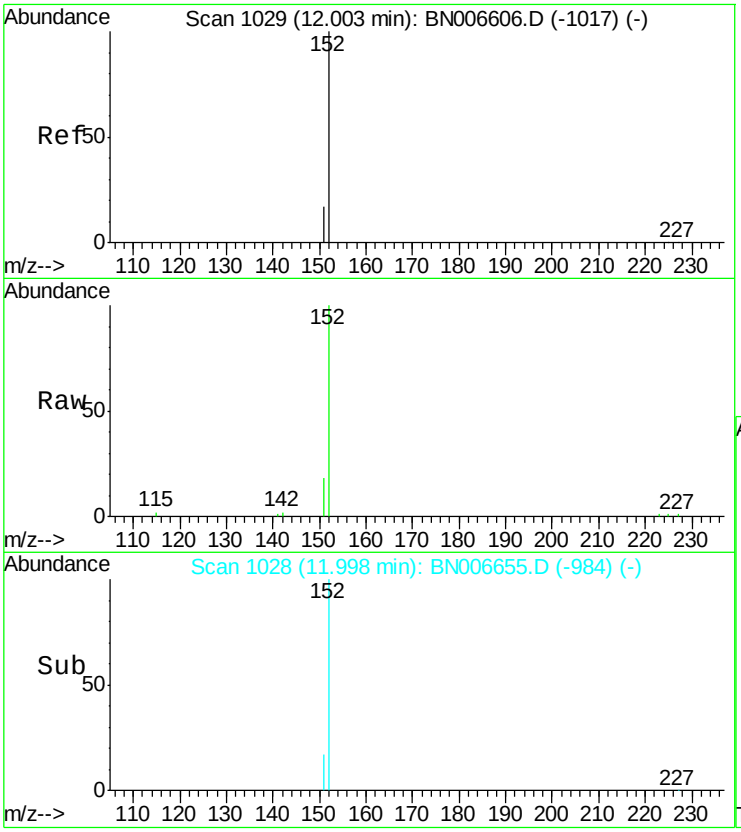


#10
Hexachlorobutadiene
Concen: 0.350 ng
RT: 10.72 min Scan# 855
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:225 Resp: 3309

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.2	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.489 ng m
RT: 12.00 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:152 Resp: 13476

Ion	Ratio	Lower	Upper
152	100		
151	14.3	15.0	22.4#

Instrument :
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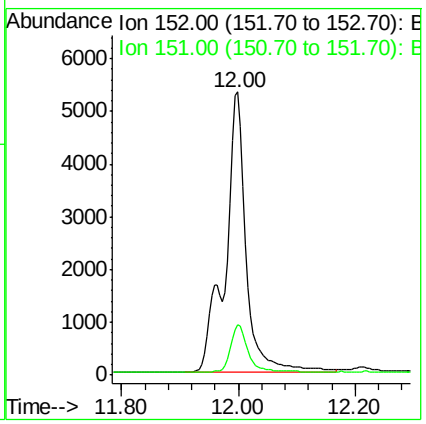
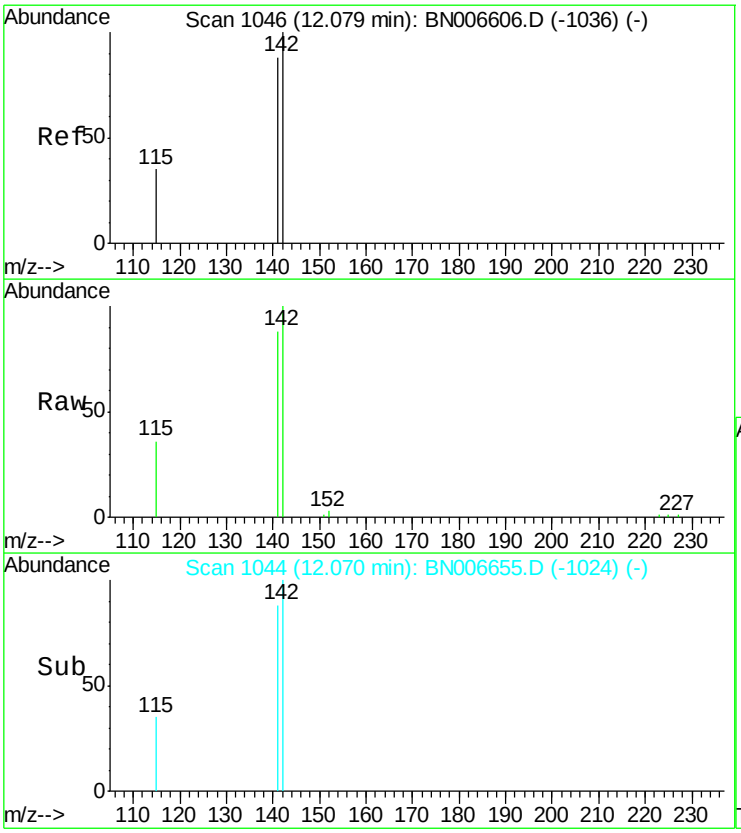
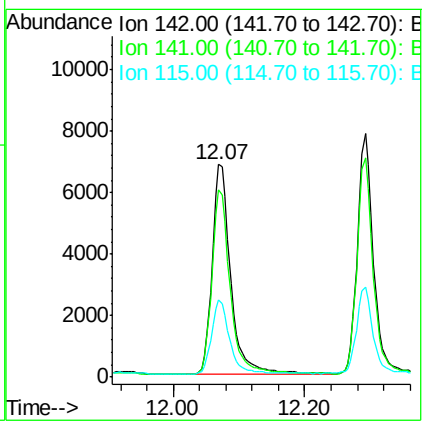


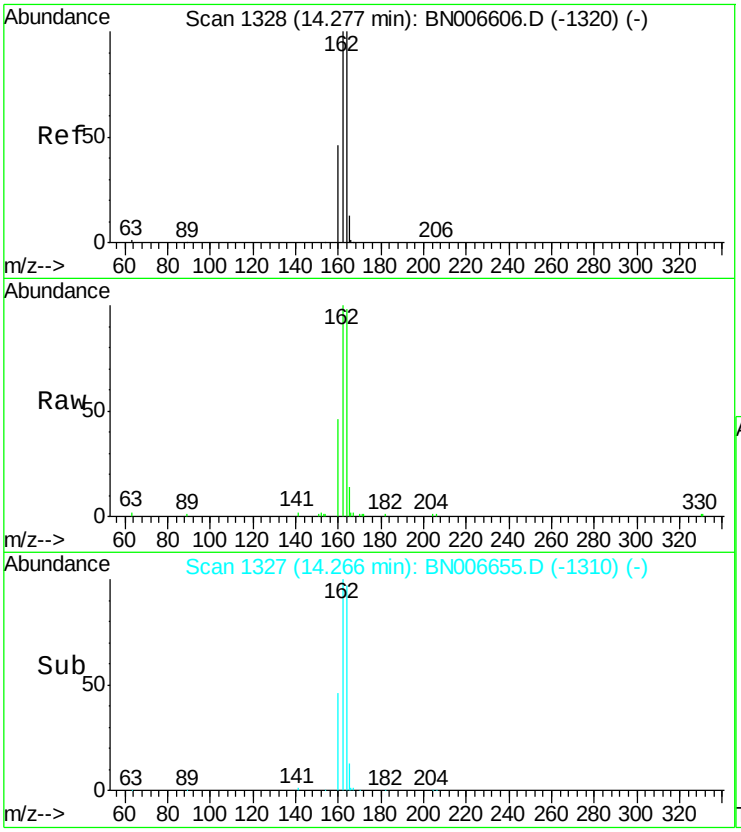


#12
2-Methylnaphthalene
Concen: 0.425 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:142 Resp: 13511

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.4
115	36.2	28.5	42.7

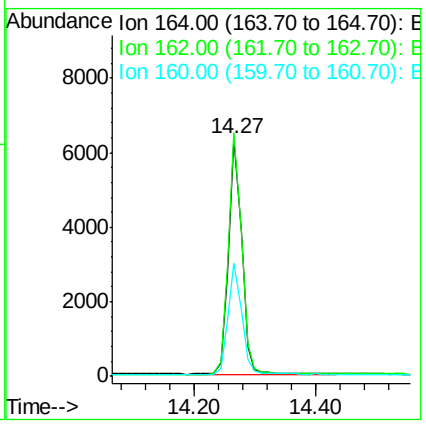




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:164 Resp: 9503

Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.0	120.0
160	47.7	37.0	55.4



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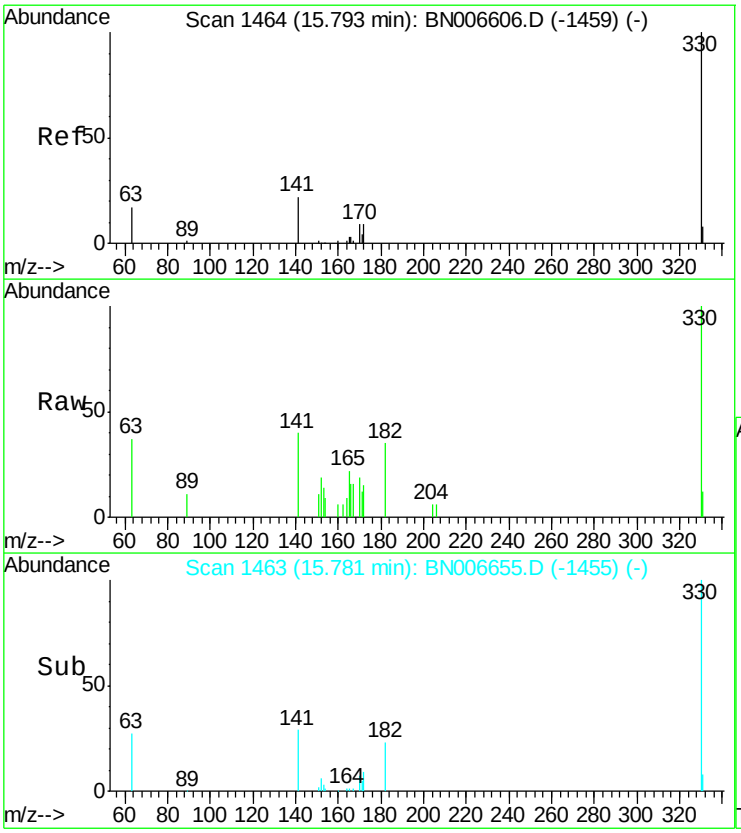
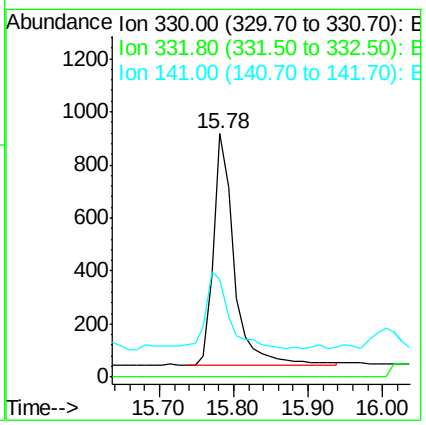
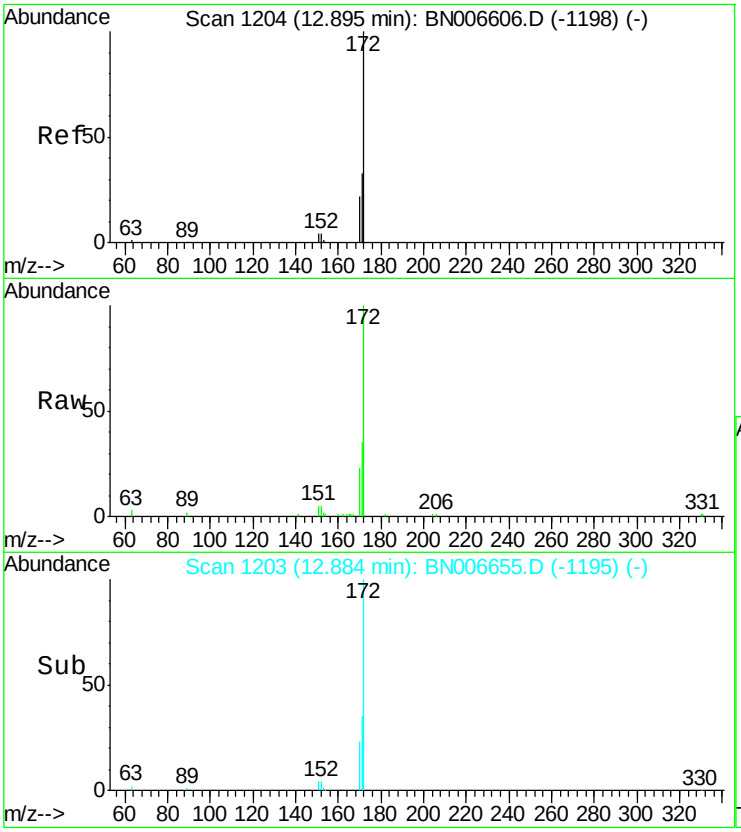


#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:330 Resp: 1678

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.4	26.5	39.7

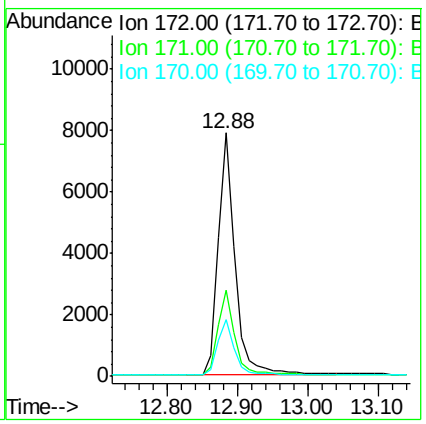




#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:172 Resp: 13420

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.0	40.4
170	23.4	17.7	26.5



Instrument :
BNA_N
ClientSampleId :
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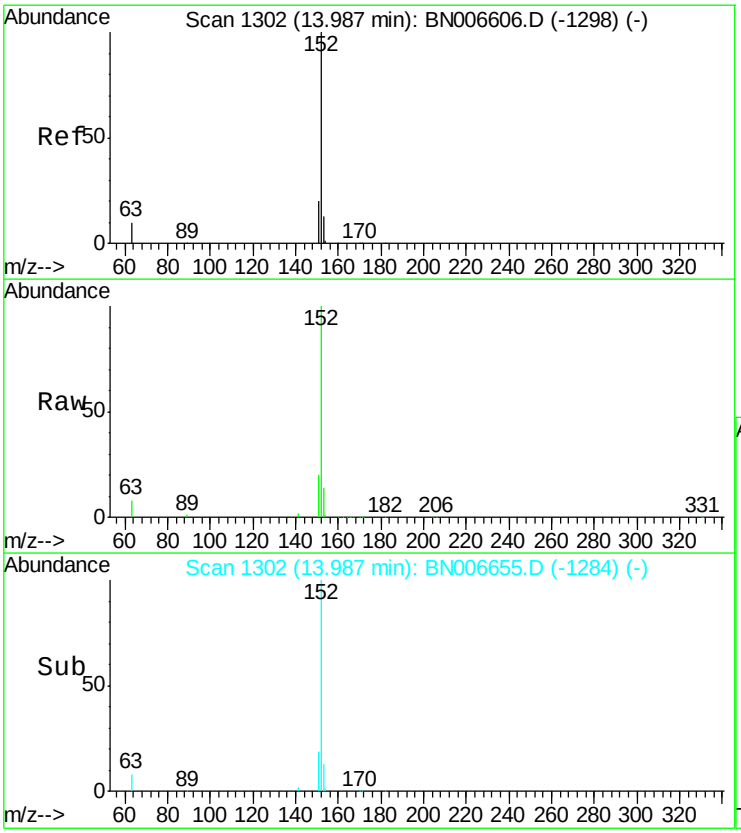
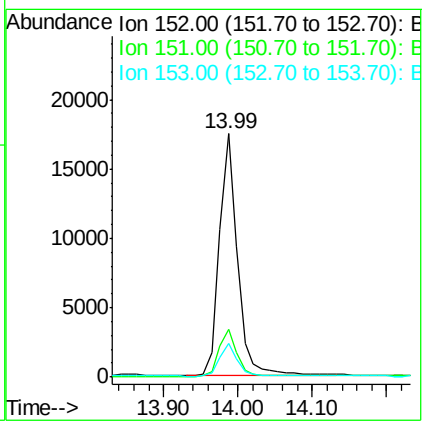
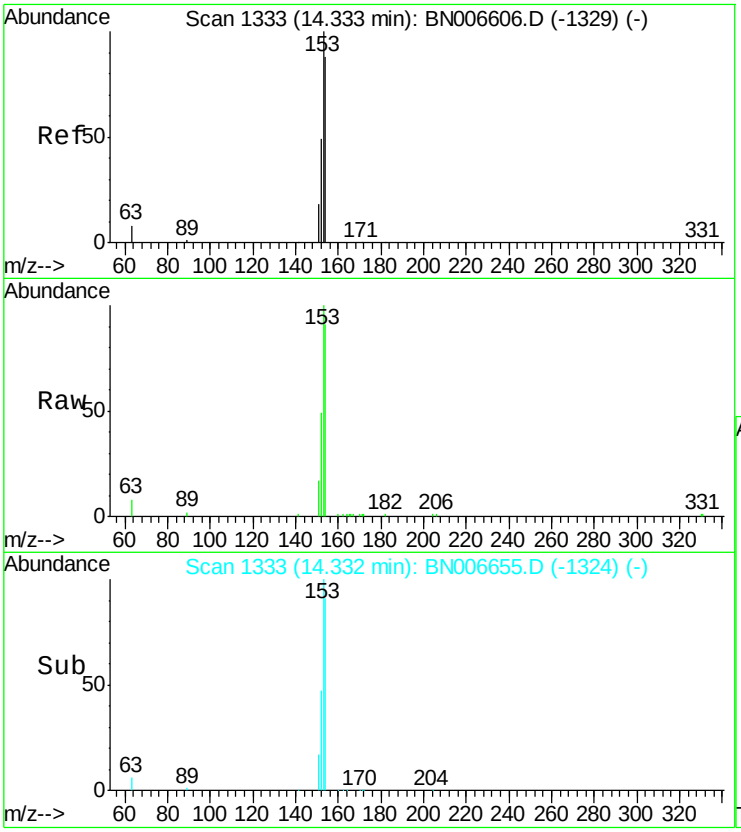


#16
Acenaphthylene
Concen: 0.657 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:152 Resp: 29754

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.3	10.5	15.7

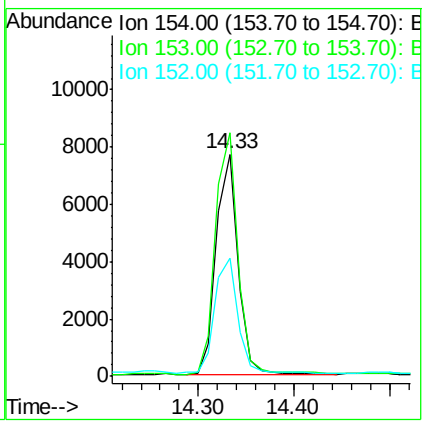




#17
Acenaphthene
Concen: 0.407 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:154 Resp: 12156

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.4
152	55.4	44.2	66.4



Instrument :
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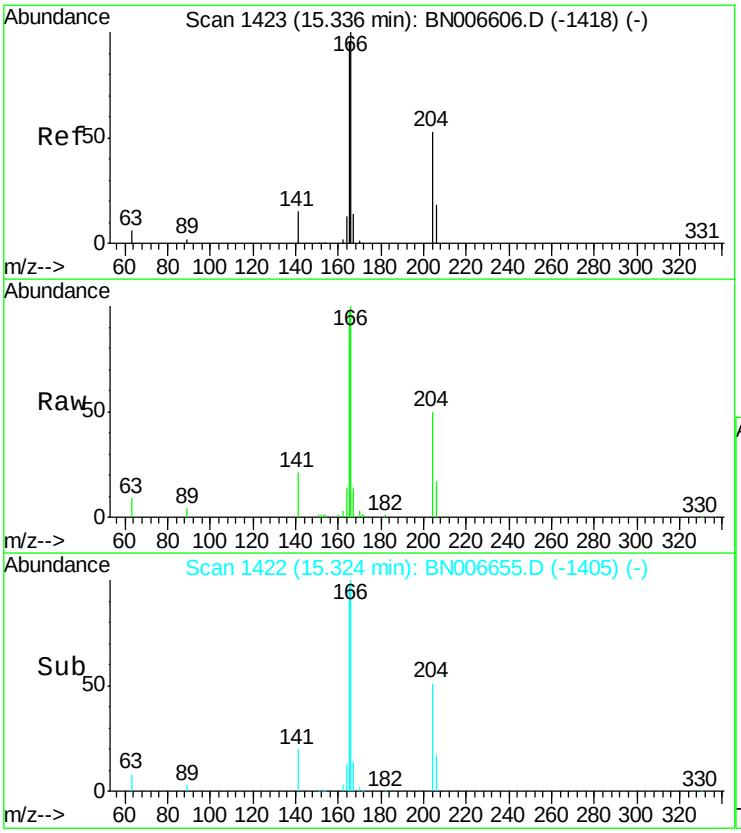
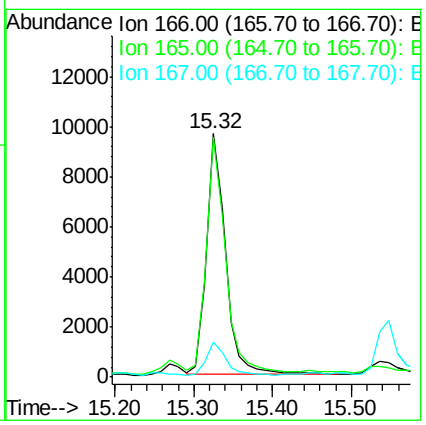
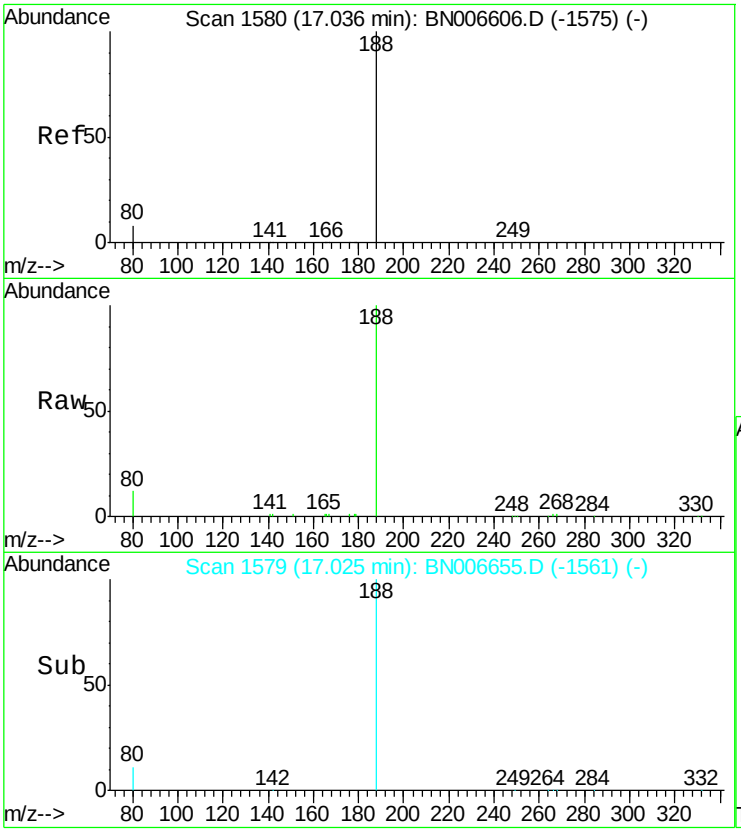


#18
Fluorene
Concen: 0.425 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:166 Resp: 16003

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	14.0	10.8	16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.03 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:188 Resp: 21018

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	7.1	10.7#

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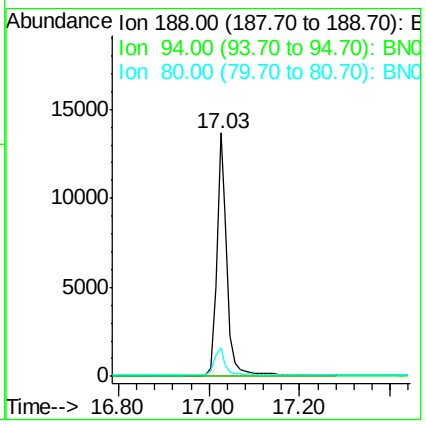
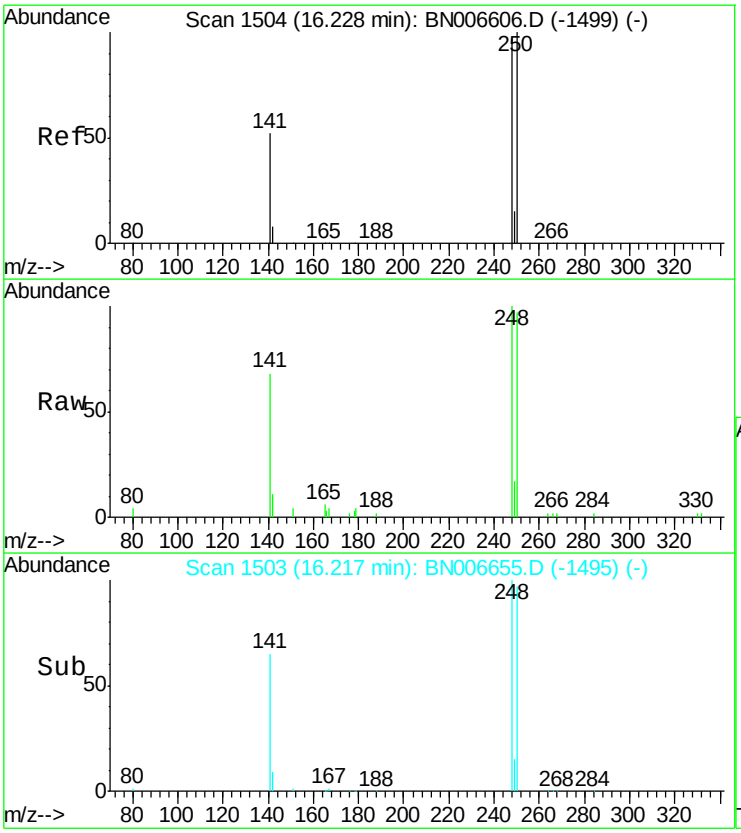
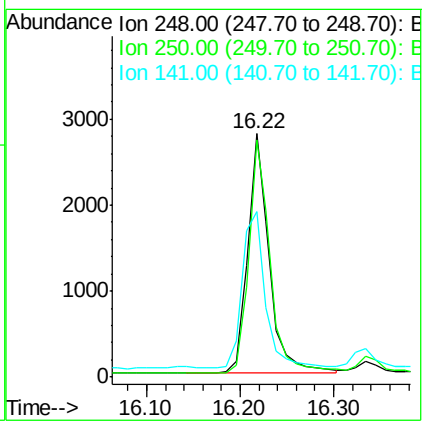


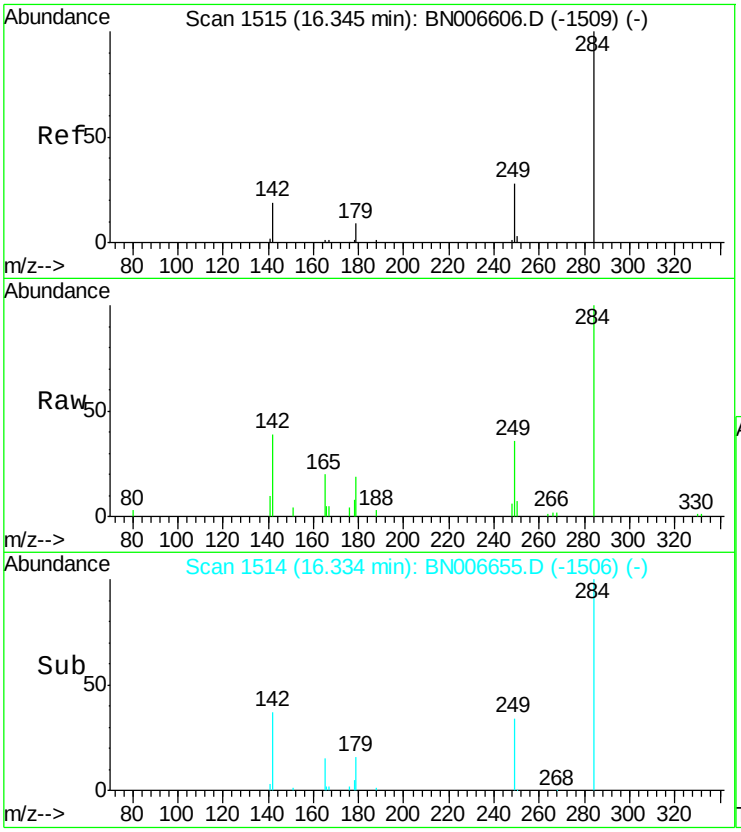


#20
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.22 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:248 Resp: 4456

Ion	Ratio	Lower	Upper
248	100		
250	97.2	82.2	123.4
141	68.2	43.8	65.8#

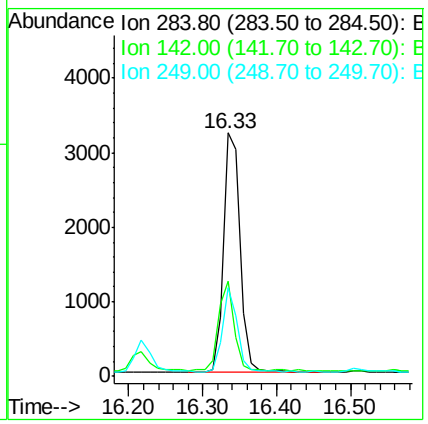




#21
Hexachlorobenzene
Concen: 0.350 ng
RT: 16.33 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:284 Resp: 5152

Ion	Ratio	Lower	Upper
284	100		
142	34.2	27.5	41.3
249	31.1	24.7	37.1



Instrument :
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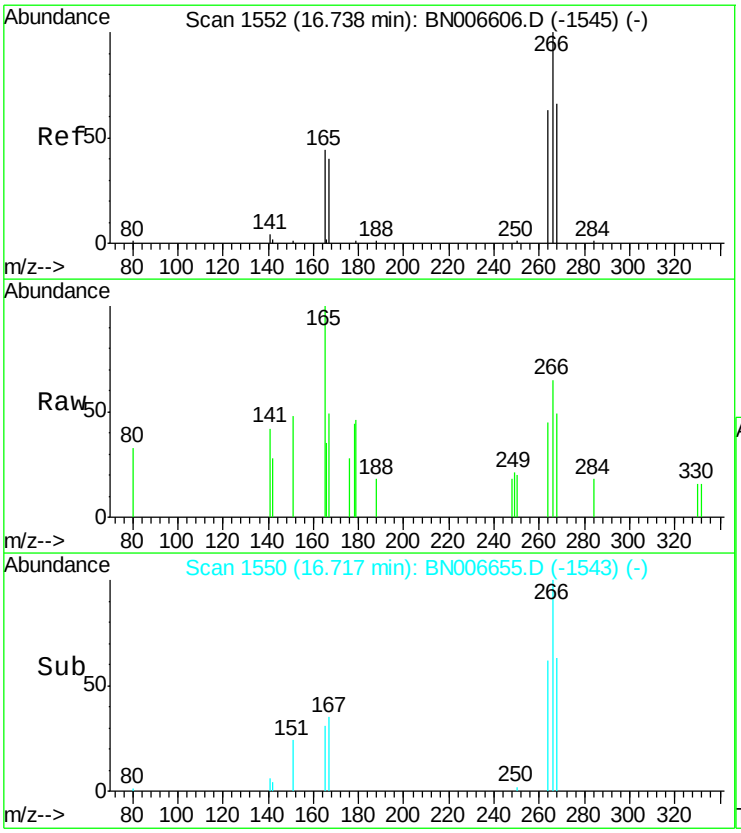
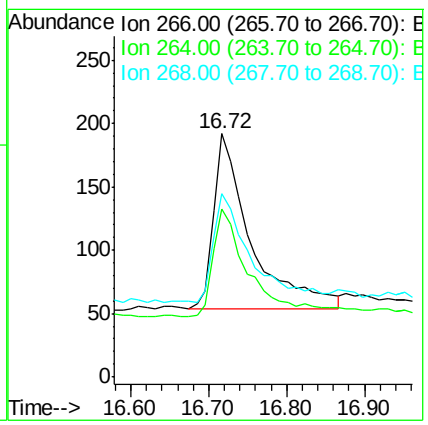
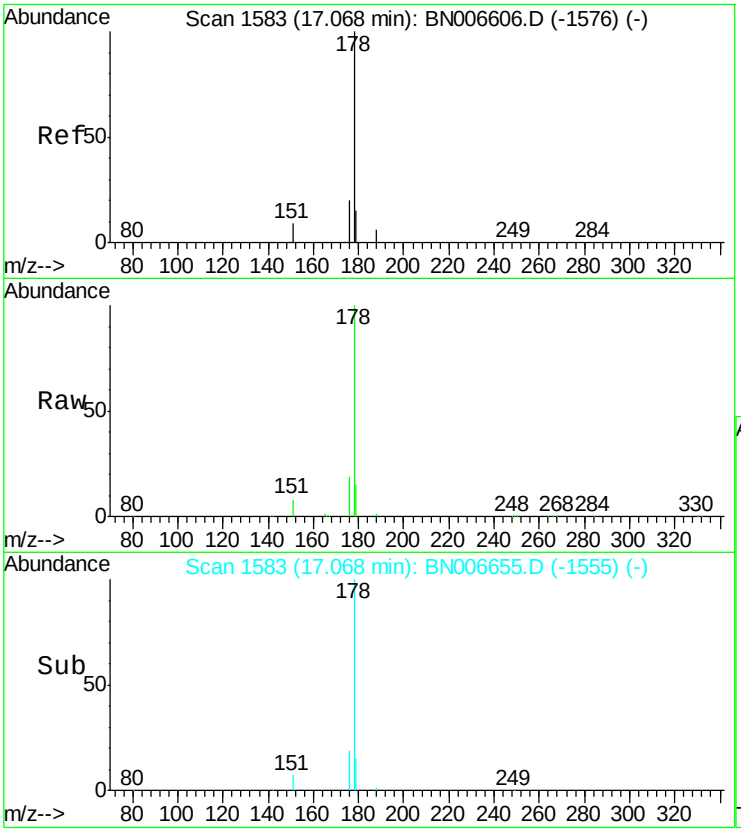


#22
Pentachlorophenol
Concen: 0.328 ng
RT: 16.72 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:266 Resp: 457

Ion	Ratio	Lower	Upper
266	100		
264	69.3	56.2	84.4
268	75.5	63.0	94.4

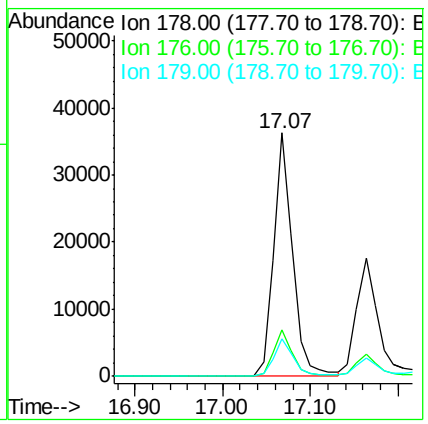




#23
Phenanthrene
Concen: 0.910 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:178 Resp: 54401

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.2	18.4



Instrument :
BNA_N
ClientSampleId :
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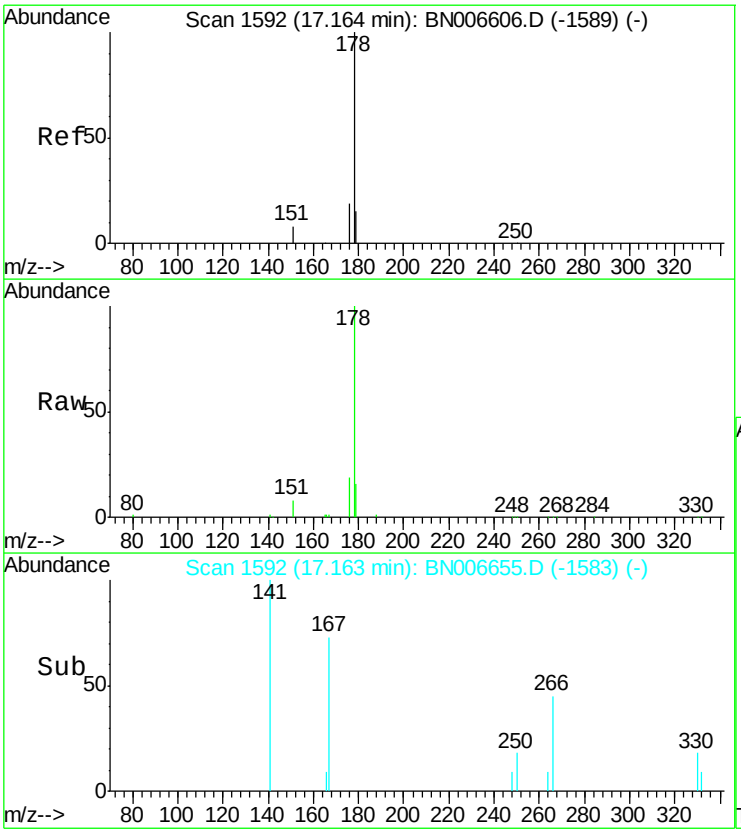
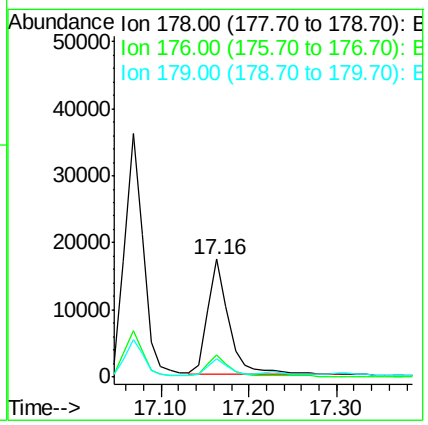
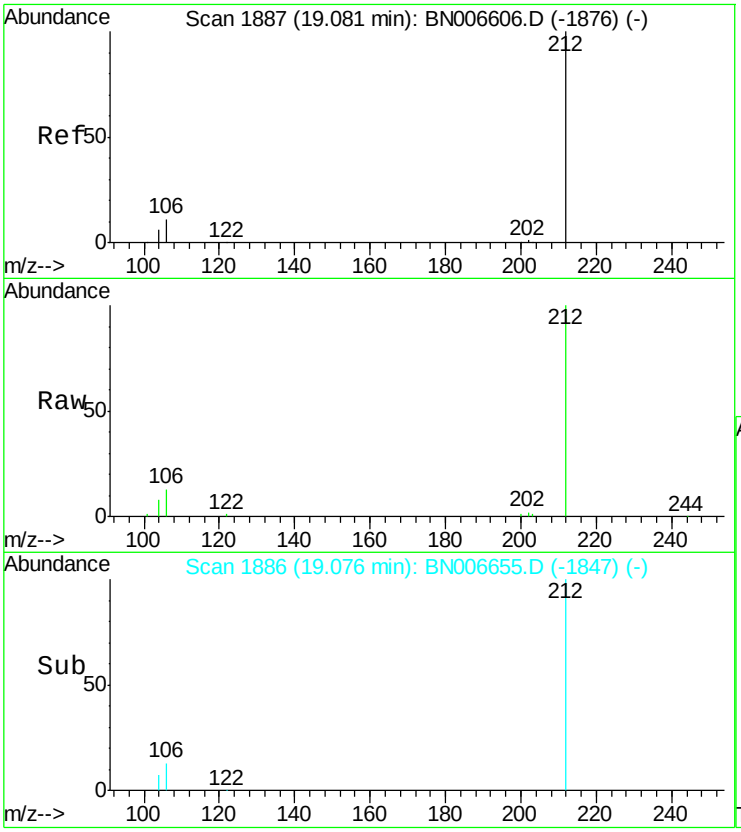


#24
Anthracene
Concen: 0.552 ng
RT: 17.16 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:178 Resp: 28619

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	13.8	12.2	18.2

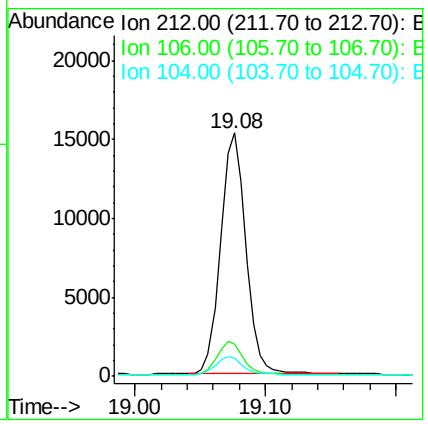




#25
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:212 Resp: 20508

Ion	Ratio	Lower	Upper
212	100		
106	13.9	10.6	15.8
104	7.5	5.8	8.6



Instrument :
BNA_N
ClientSampleId :
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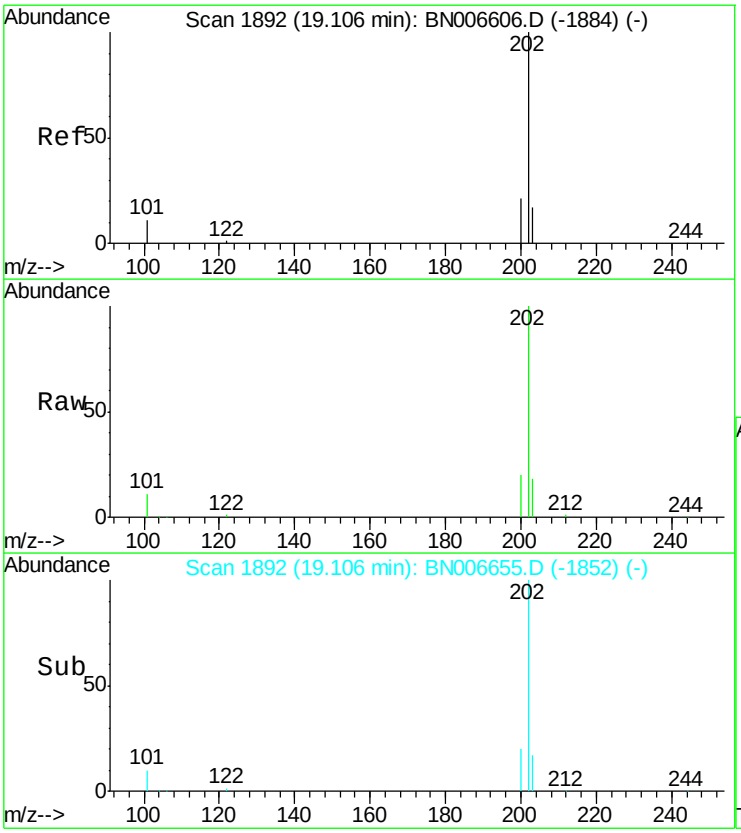
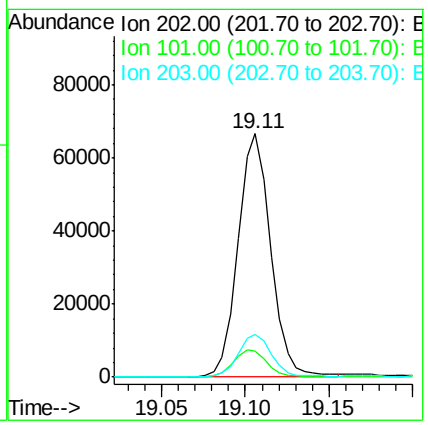
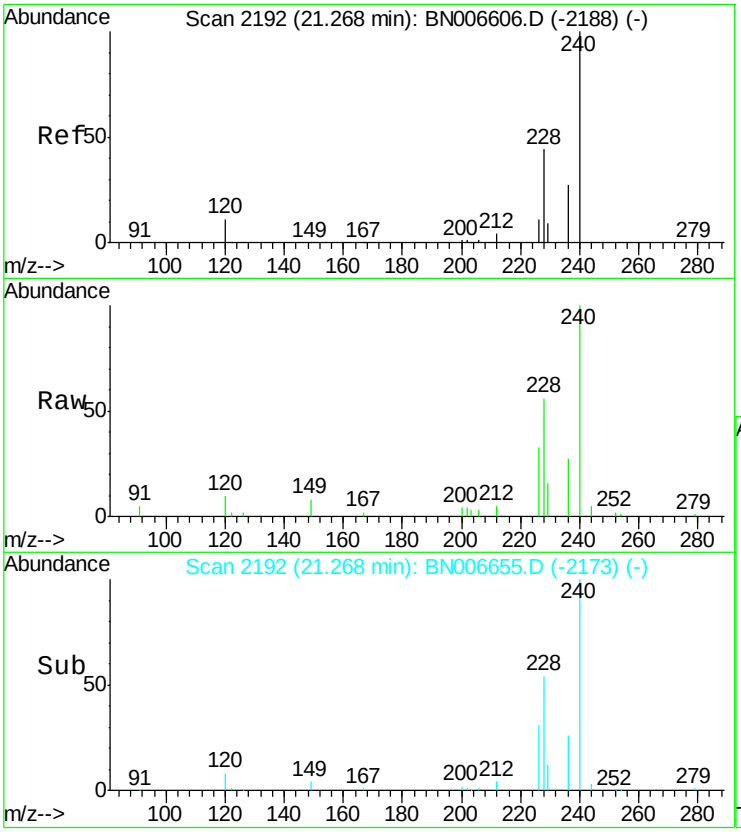


#26
Fluoranthene
Concen: 1.245 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:202 Resp: 90447

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
203	17.5	13.6	20.4

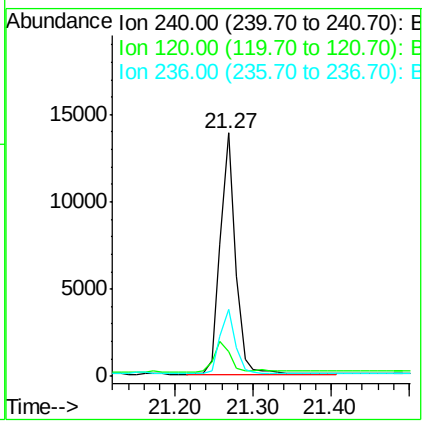




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:240 Resp: 18883

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.9	14.9
236	27.3	22.2	33.4



Instrument :
BNA_N
ClientSampleId :
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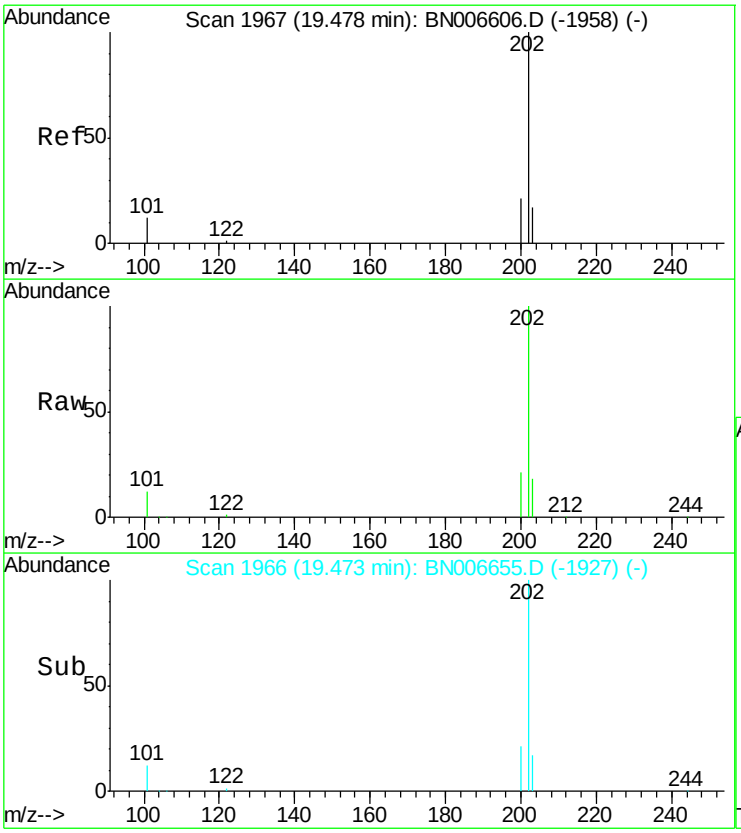
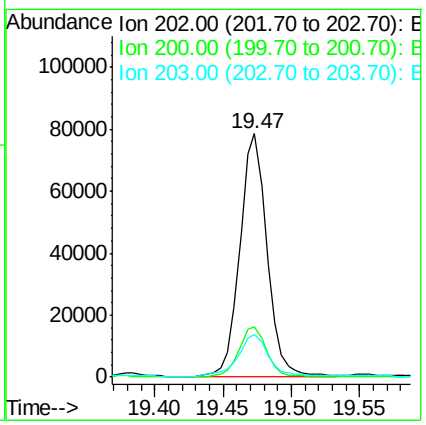
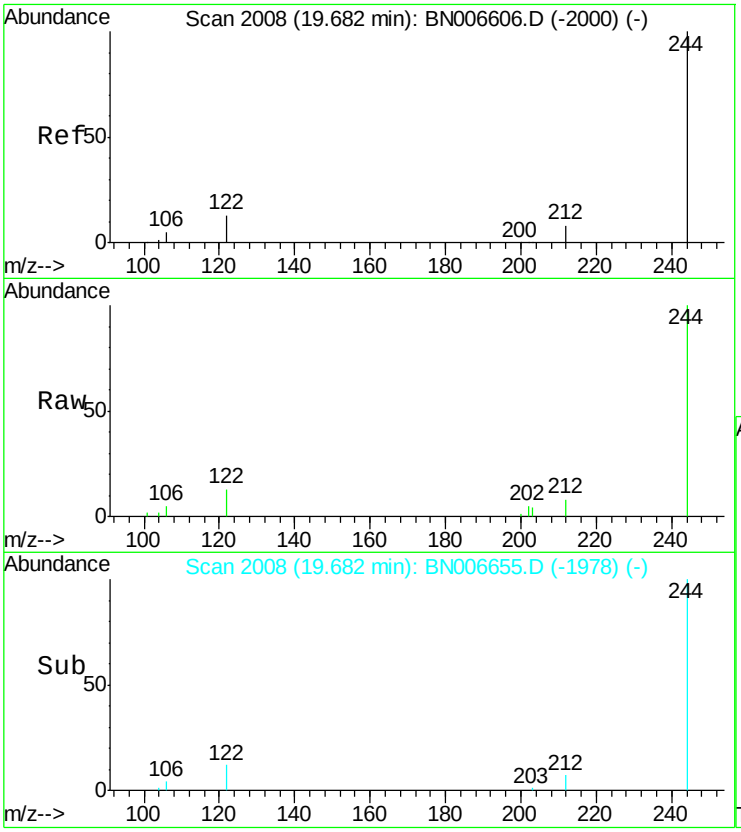


#28
Pyrene
Concen: 1.629 ng
RT: 19.47 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:202 Resp: 107662

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	19.5	14.1	21.1

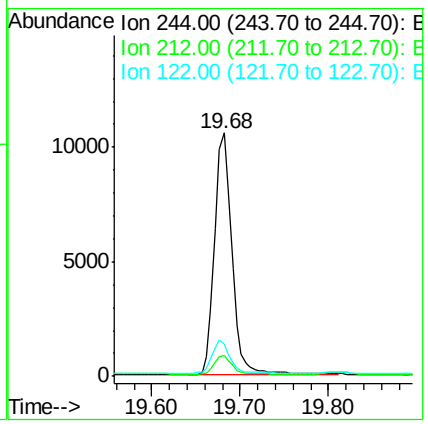




#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.68 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:244 Resp: 14527

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	13.2	11.0	16.6



Instrument :
BNA_N
ClientSampleId :
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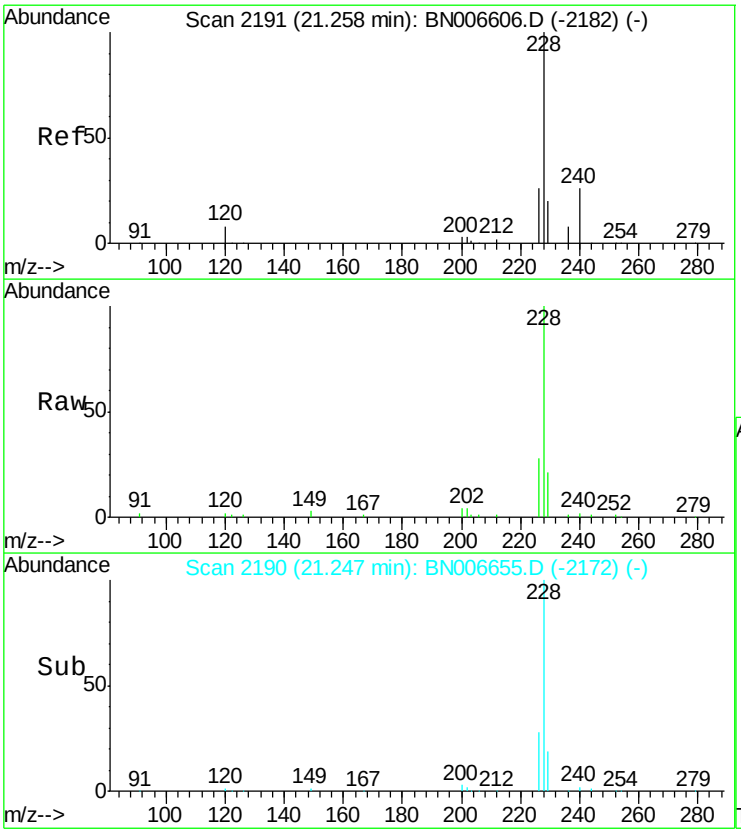
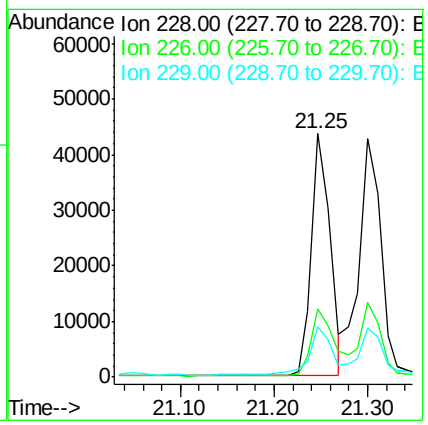
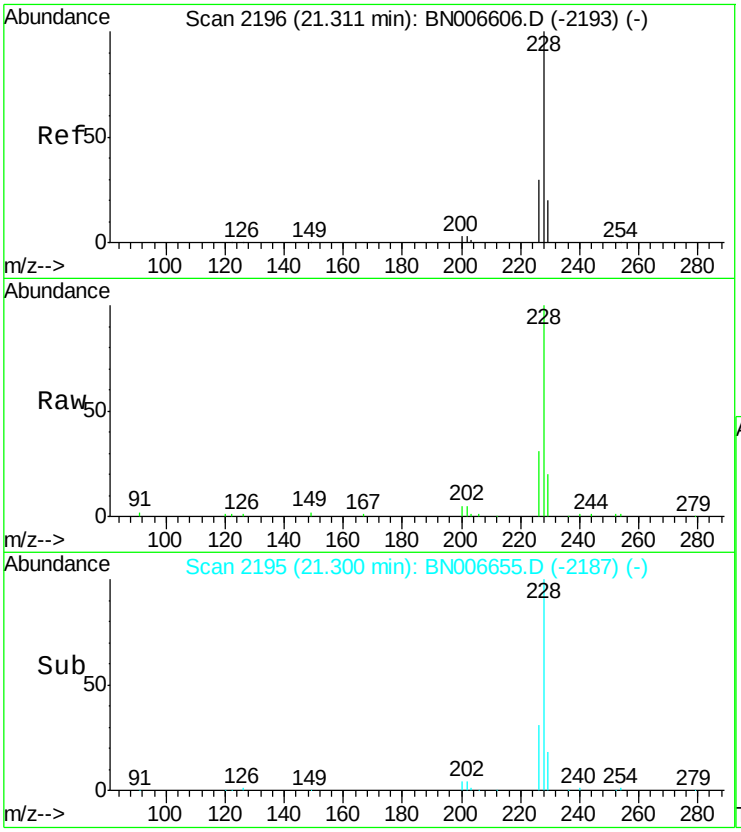


#30
Benzo(a)anthracene
Concen: 0.977 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:228 Resp: 60295

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.2	31.8
229	20.6	16.1	24.1

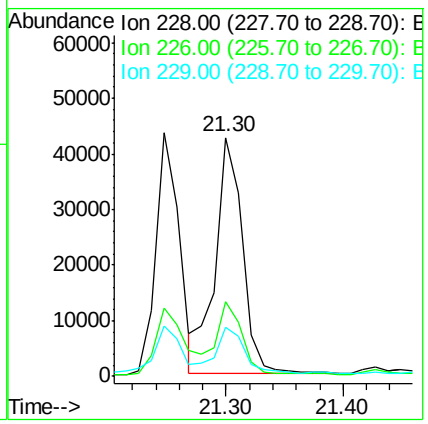




#31
Chrysene
Concen: 1.027 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:228 Resp: 68350

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.8	35.6
229	20.4	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
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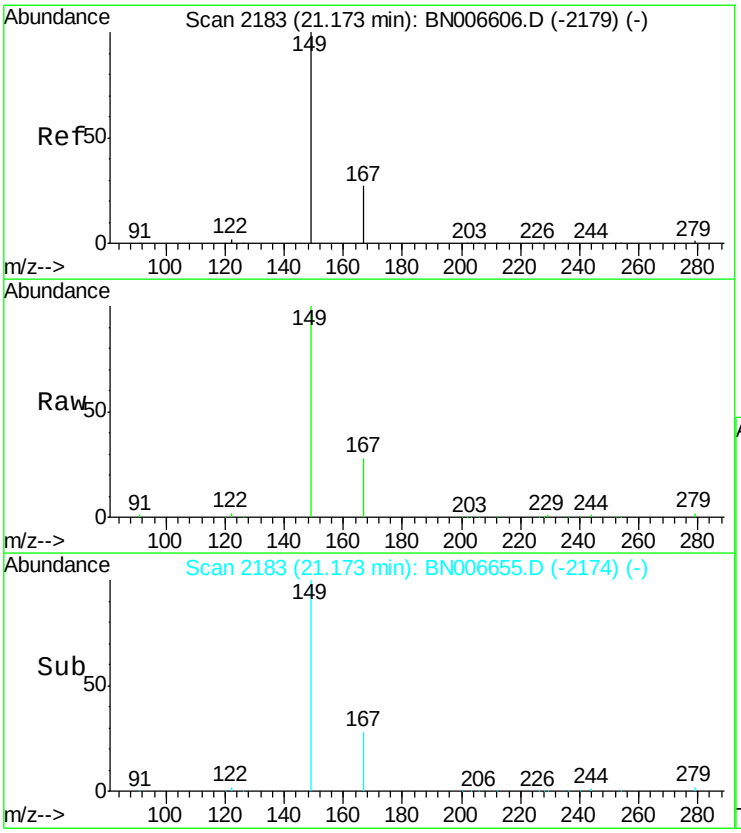
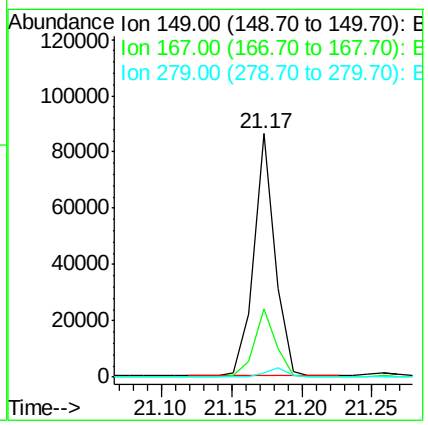
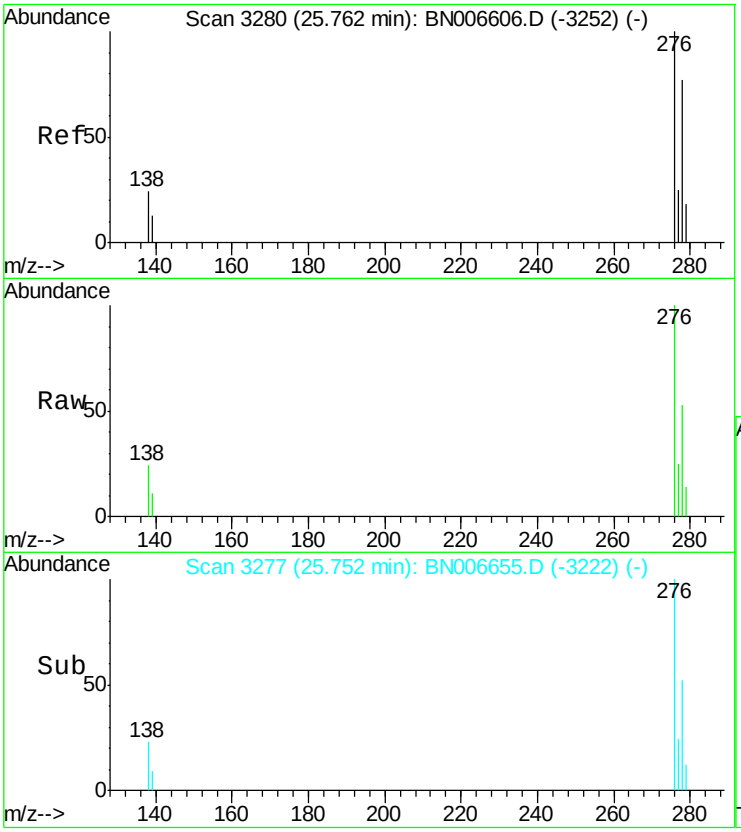


#32
Bis(2-ethylhexyl)phthalate
Concen: 2.910 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:149 Resp: 90434

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.9	34.3
279	3.9	3.3	4.9

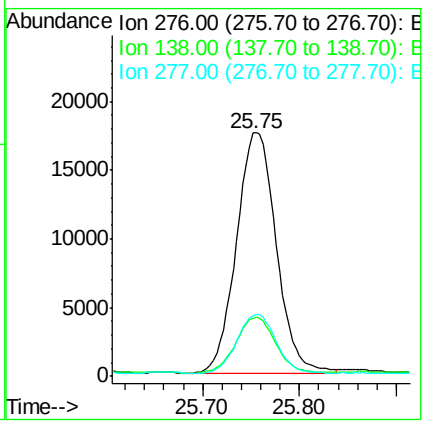




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.744 ng
RT: 25.75 min Scan# 3277
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:276 Resp: 50085

Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.3	28.9
277	24.0	19.9	29.9



Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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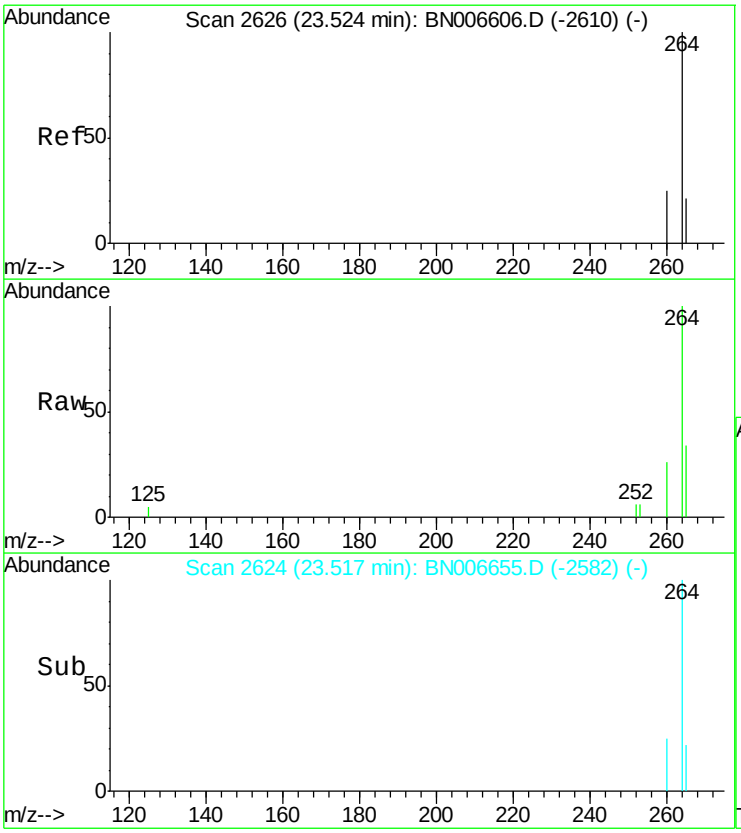
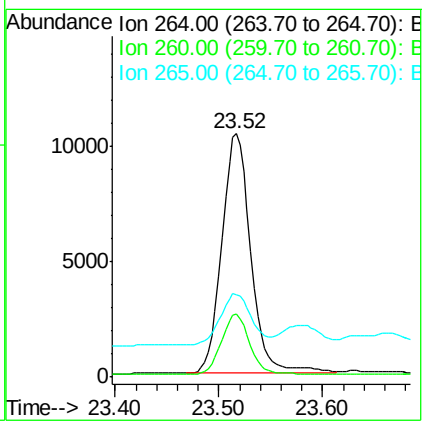
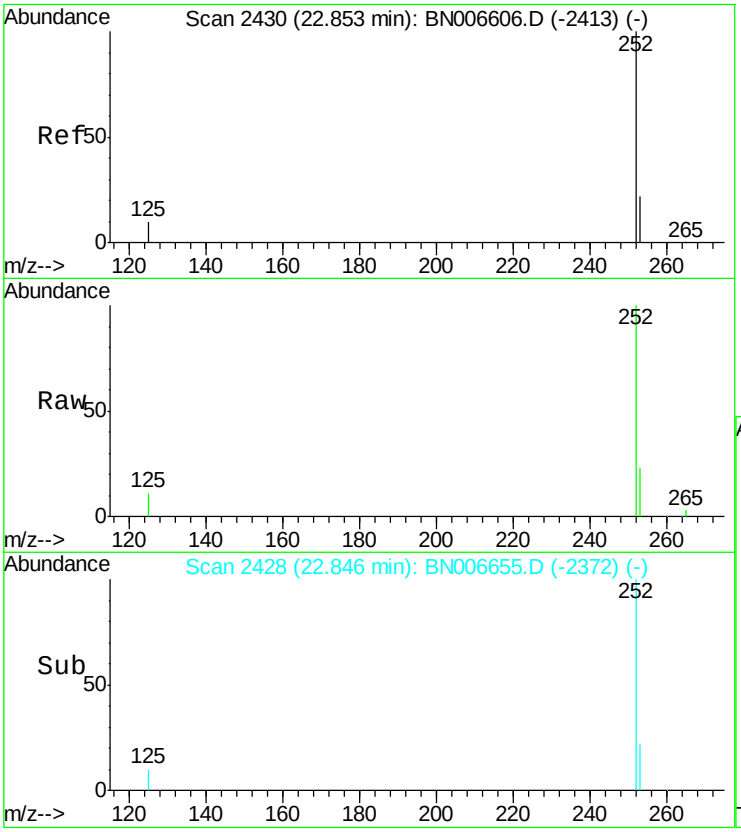


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.52 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:264 Resp: 20265

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.2	30.2
265	34.0	23.3	34.9

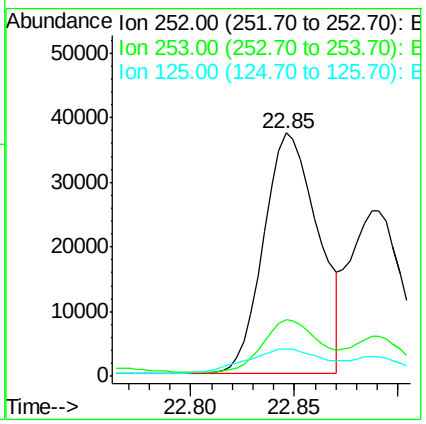




#35
Benzo(b)fluoranthene
Concen: 0.986 ng
RT: 22.85 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:252 Resp: 67951

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	11.4	8.7	13.1



Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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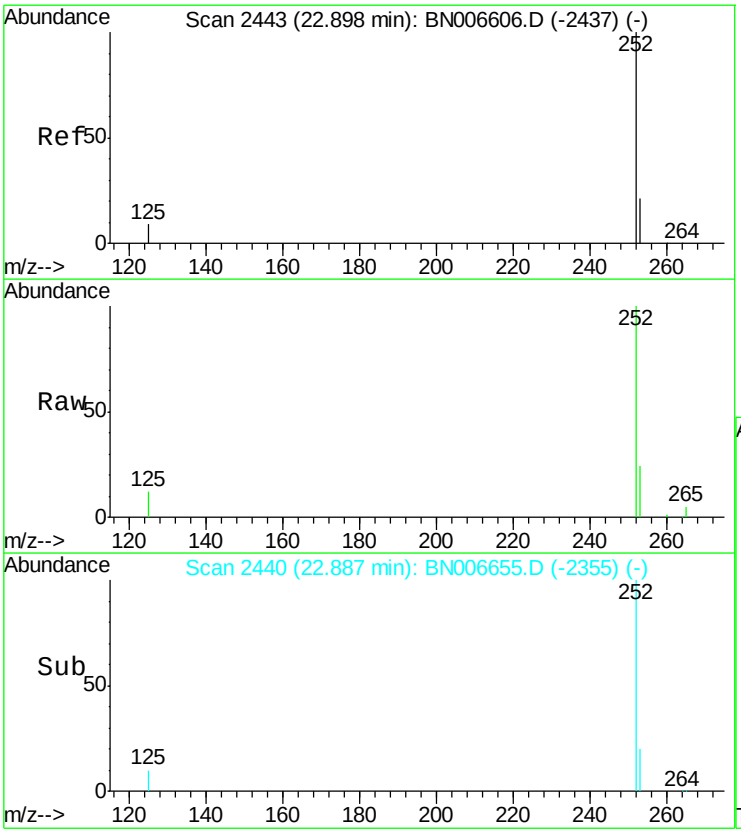
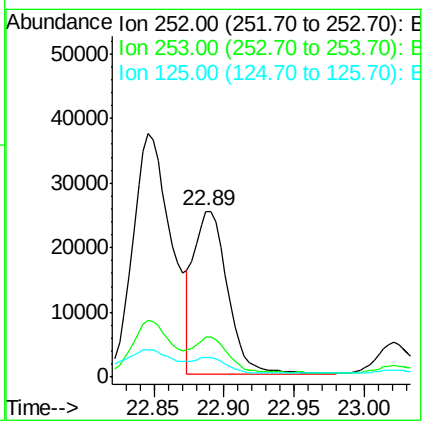
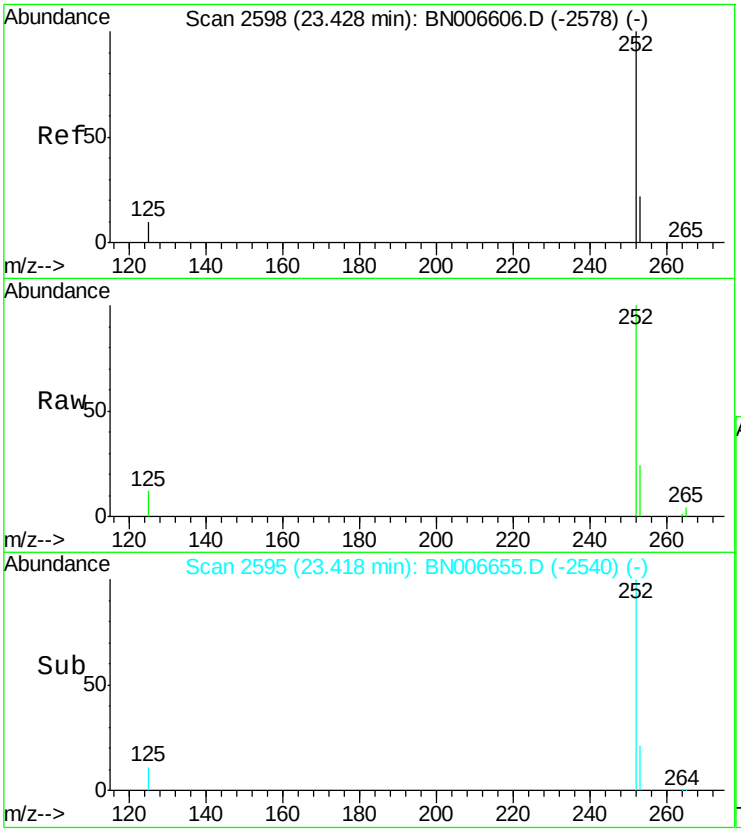


#36
Benzo(k)fluoranthene
Concen: 0.574 ng
RT: 22.89 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:252 Resp: 42202

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	12.0	8.4	12.6

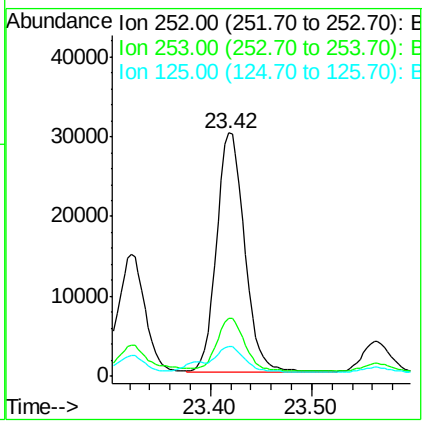




#37
Benzo(a)pyrene
Concen: 0.900 ng
RT: 23.42 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:252 Resp: 58016

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.8	28.2
125	12.4	9.4	14.2



Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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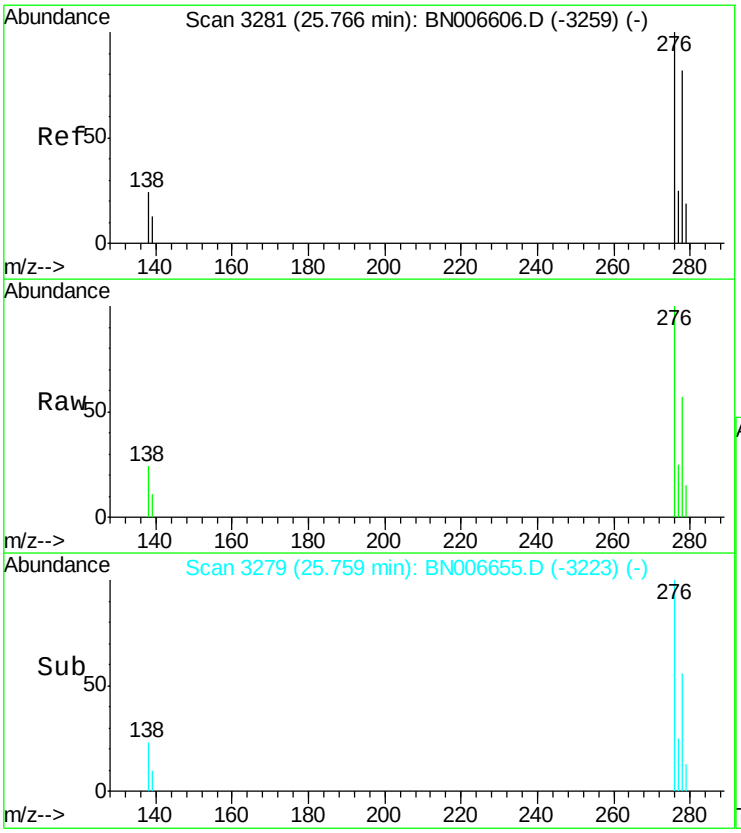
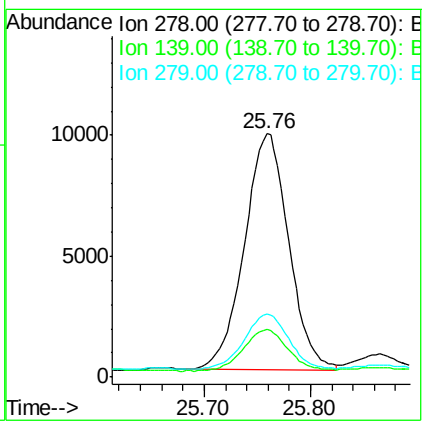
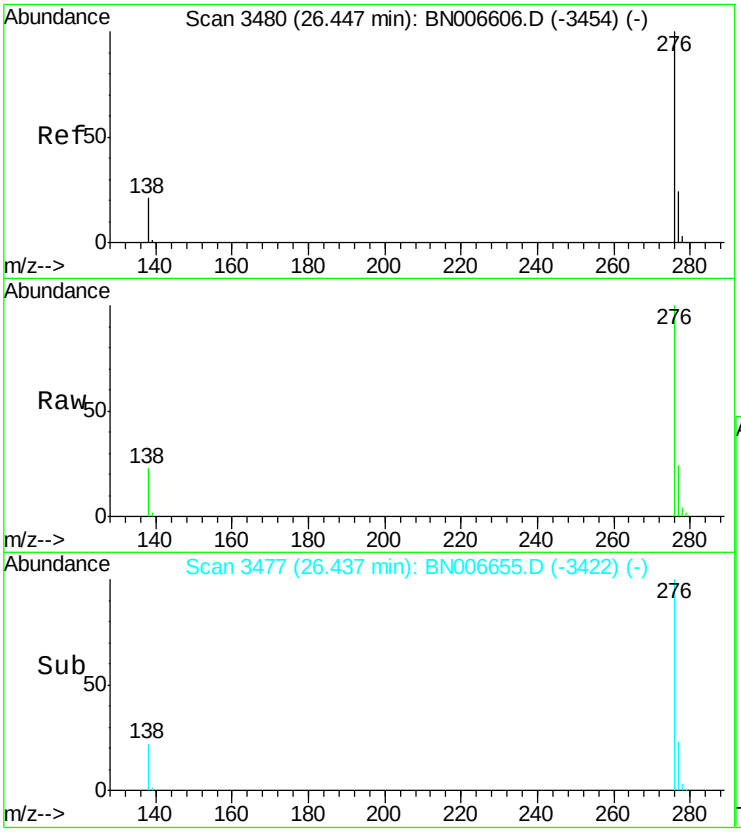


#38
Dibenzo(a,h)anthracene
Concen: 0.505 ng
RT: 25.76 min Scan# 3279
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:278 Resp: 28455

Ion	Ratio	Lower	Upper
278	100		
139	19.5	13.5	20.3
279	26.0	19.4	29.2

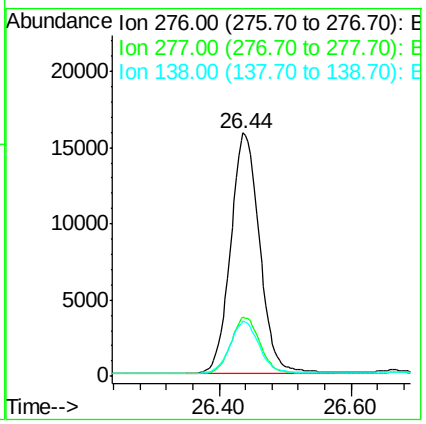




#39
Benzo(g,h,i)perylene
Concen: 0.855 ng
RT: 26.44 min Scan# 3477
Delta R.T. -0.01 min
Lab File: BN006655.D
Acq: 01 Jul 2019 10:22

Tgt Ion:276 Resp: 48040

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	22.6	17.7	26.5



Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019MSD

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