Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
Data File : BN002213.D
Acq On : 31 Jul 2018 16:23
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
Sohil
8/1/2018 4:49:36 PM

Quant Time: Jul 31 16:56:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3336	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	13733	0.40	ng		0.00
13) Acenaphthene-d10	14.32	164	7240	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	14195	0.40	ng		0.00
27) Chrysene-d12	21.27	240	11130	0.40	ng		0.00
34) Perylene-d12	23.50	264	10593	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	2947	0.38	ng		0.00
5) Phenol-d6	6.88	99	3846m	0.41	ng		0.00
8) Nitrobenzene-d5	8.84	82	3931	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.06	152	7725	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.83	330	1010	0.33	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	11088	0.40	ng		0.00
25) Fluoranthene-d10	19.11	212	12173	0.35	ng		0.00
29) Terphenyl-d14	19.71	244	9322	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1321	0.352	ng		98
3) n-Nitrosodimethylamine	3.61	42	815	0.353	ng	#	91
6) bis(2-Chloroethyl)ether	7.13	93	3368	0.370	ng		89
9) Naphthalene	10.50	128	12220	0.395	ng	#	95
10) Hexachlorobutadiene	10.79	225	2603	0.388	ng	#	55
12) 2-Methylnaphthalene	12.13	142	8076	0.386	ng		97
16) Acenaphthylene	14.03	152	11800	0.381	ng		100
17) Acenaphthene	14.38	154	7737	0.389	ng		97
18) Fluorene	15.37	166	9162	0.374	ng	#	80
20) 4-Bromophenyl-phenylether	16.26	248	3203	0.399	ng	#	81
21) Hexachlorobenzene	16.38	284	3627	0.408	ng		95
22) Pentachlorophenol	16.74	266	619	0.372	ng		94
23) Phenanthrene	17.11	178	13411	0.380	ng		99
24) Anthracene	17.21	178	10782	0.369	ng		96
26) Fluoranthene	19.14	202	13163	0.342	ng		97
28) Pyrene	19.50	202	13235	0.402	ng		100
30) Benzo(a)anthracene	21.26	228	10607	0.379	ng		96
31) Chrysene	21.30	228	12205	0.389	ng		99
32) Bis(2-ethylhexyl)phthalate	21.18	149	4768	0.372	ng	#	94
33) Indeno(1,2,3-cd)pyrene	25.72	276	13371	0.453	ng		94
35) Benzo(b)fluoranthene	22.83	252	11512	0.369	ng	#	94
36) Benzo(k)fluoranthene	22.88	252	11966	0.370	ng	#	93
37) Benzo(a)pyrene	23.40	252	11108	0.394	ng	#	93
38) Dibenzo(a,h)anthracene	25.73	278	11159	0.406	ng		96
39) Benzo(g,h,i)perylene	26.40	276	11388	0.406	ng	#	90

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

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Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 16:56:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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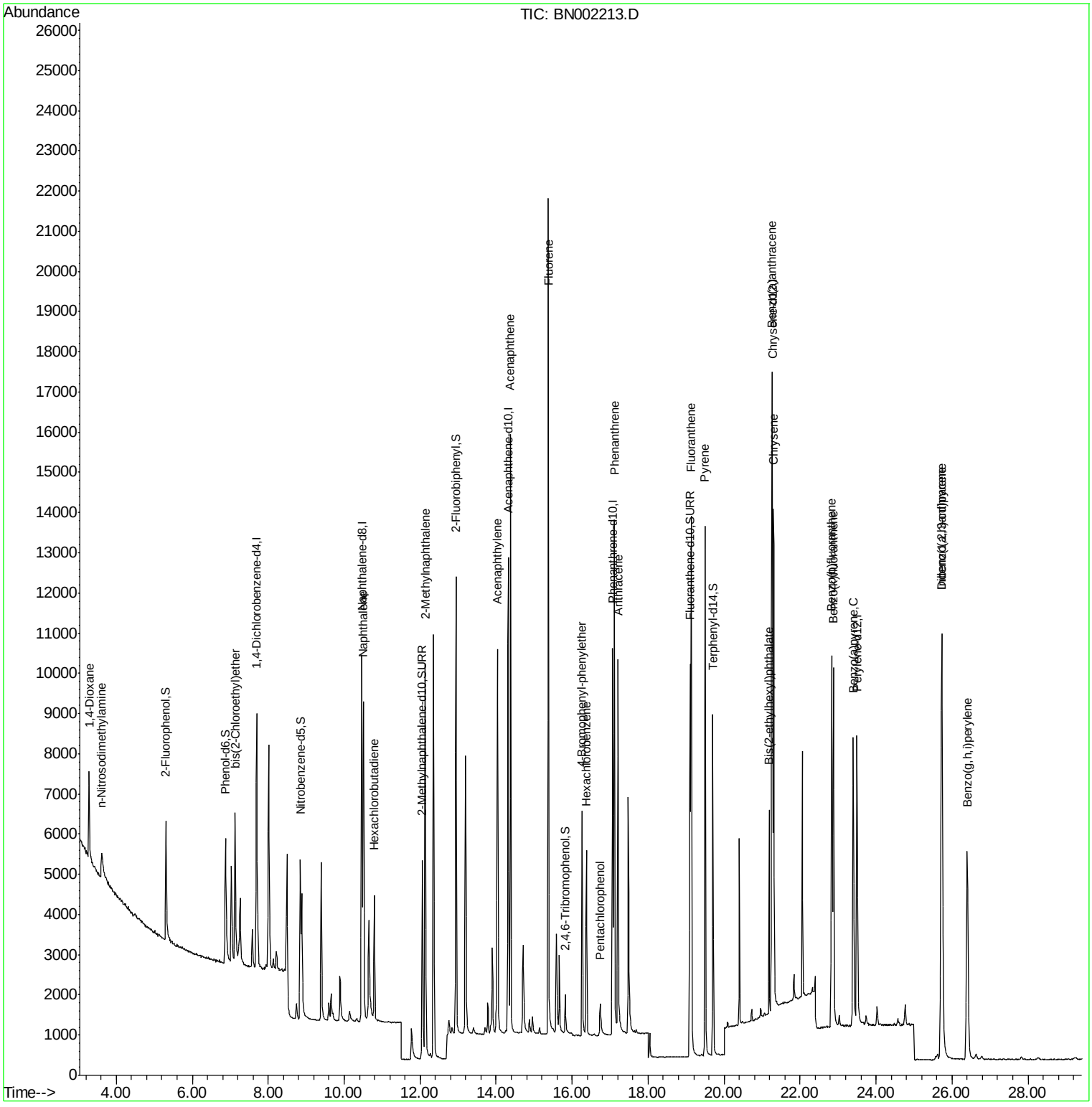
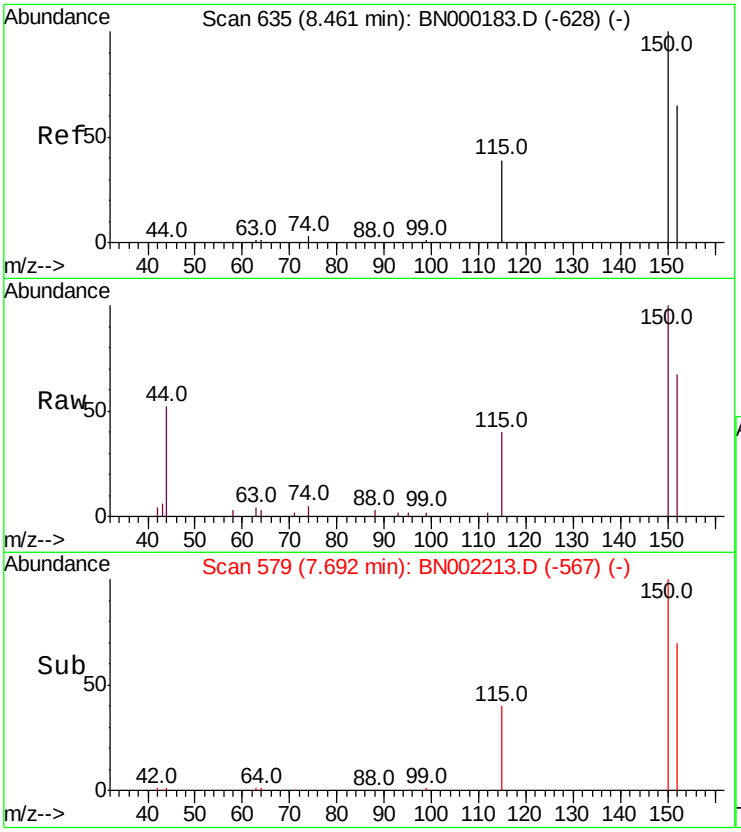
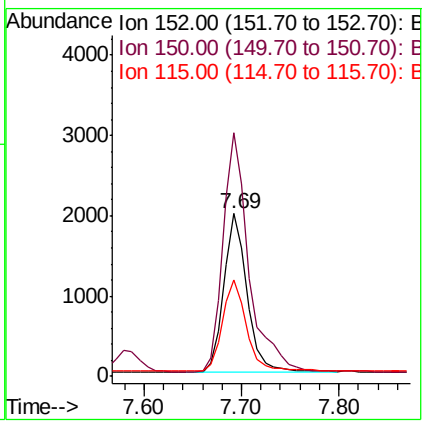




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:152 Resp: 3336

Ion	Ratio	Lower	Upper
152	100		
150	149.5	117.2	175.8
115	59.4	57.0	85.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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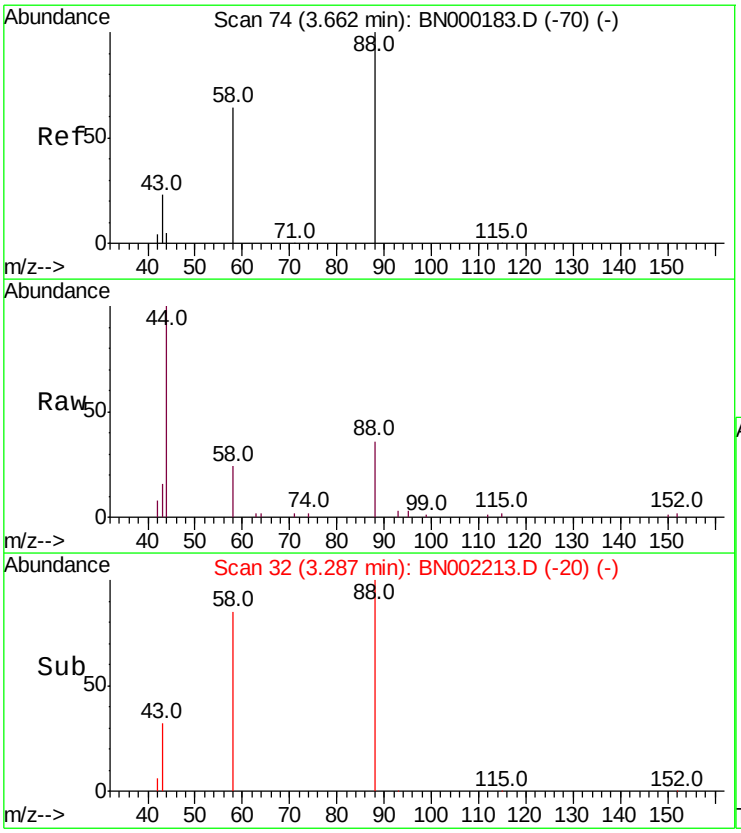
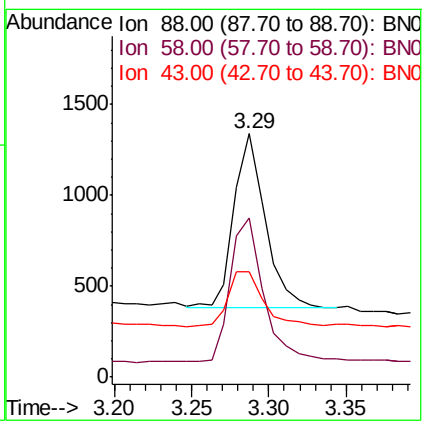
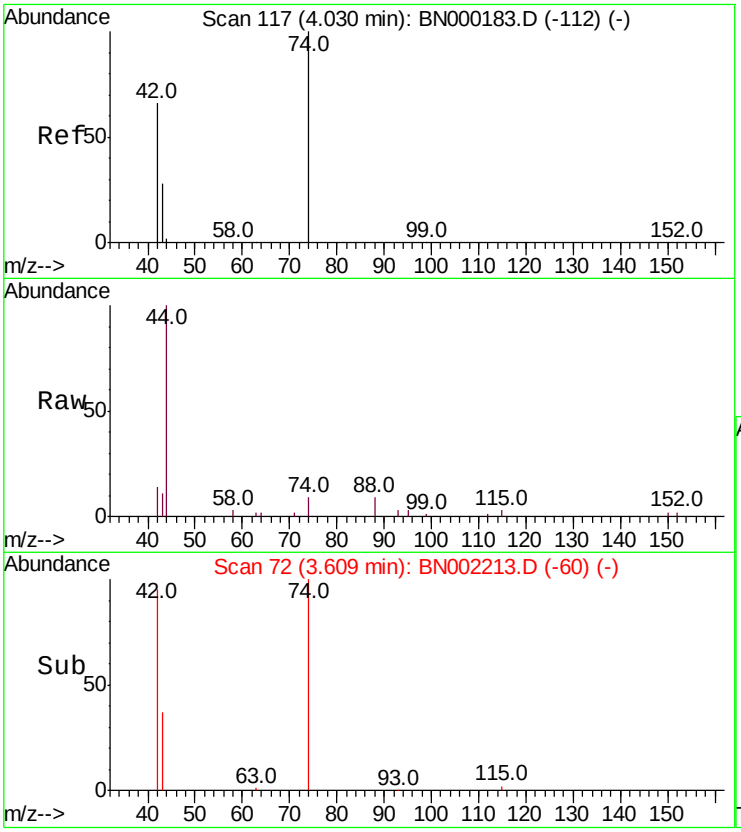


#2
1,4-Dioxane
Concen: 0.352 ng
RT: 3.29 min Scan# 32
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion: 88 Resp: 1321

Ion	Ratio	Lower	Upper
88	100		
58	90.8	72.0	108.0
43	37.2	28.0	42.0





#3
n-Nitrosodimethylamine
Concen: 0.353 ng
RT: 3.61 min Scan# 72
Delta R.T. 0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion: 42 Resp: 815

Ion	Ratio	Lower	Upper
42	100		
74	112.5	88.0	132.0
44	0.0	16.0	24.0#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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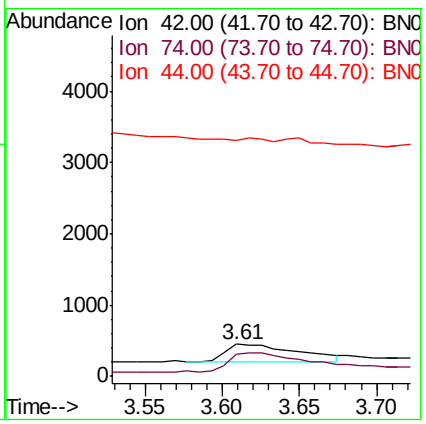
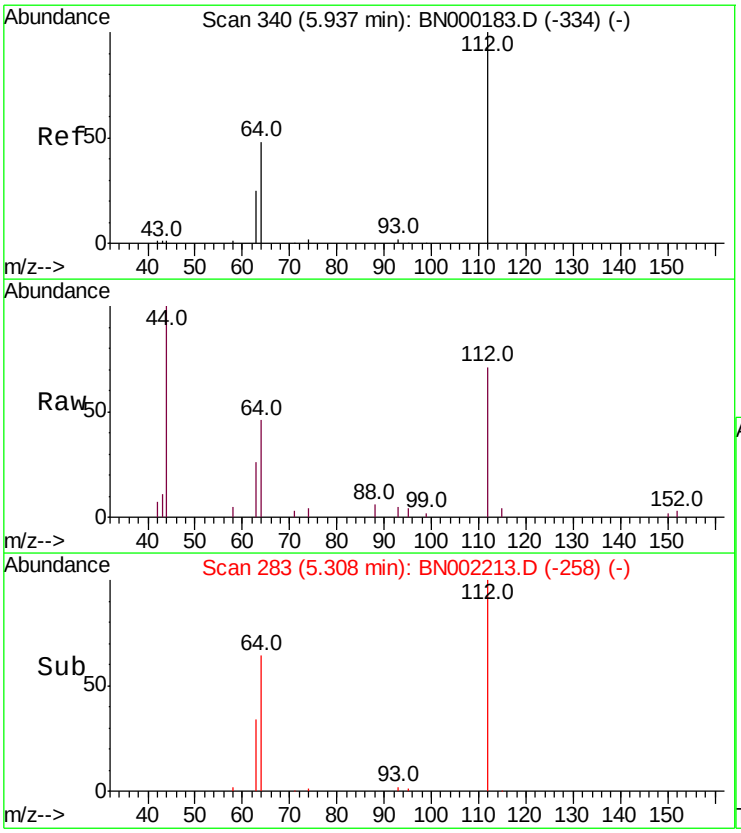
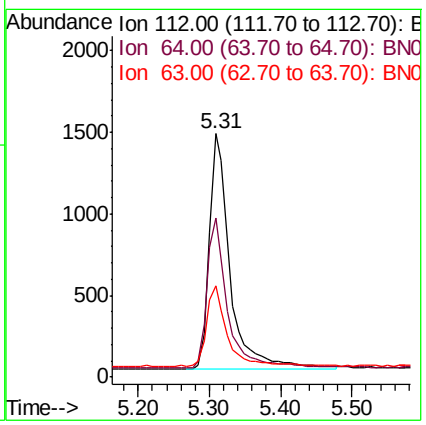


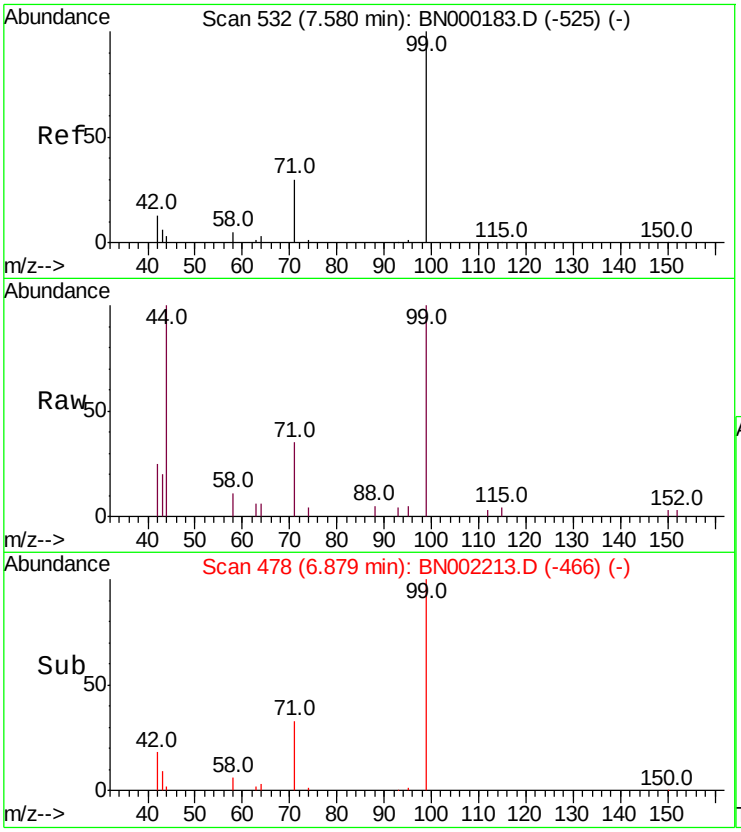


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.31 min Scan# 283
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:112 Resp: 2947

Ion	Ratio	Lower	Upper
112	100		
64	63.4	60.1	90.1
63	33.8	116.8	175.2#

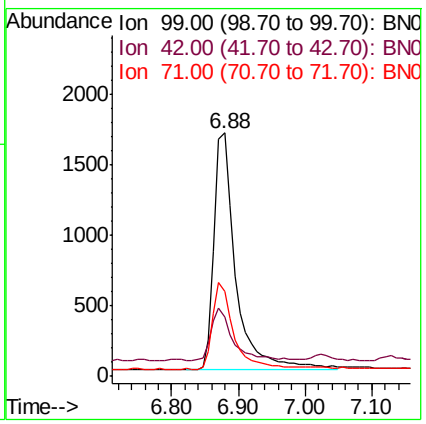




#5
Phenol-d6
Concen: 0.406 ng m
RT: 6.88 min Scan# 478
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion: 99 Resp: 3846

Ion	Ratio	Lower	Upper
99	100		
42	20.5	20.2	30.2
71	33.6	28.4	42.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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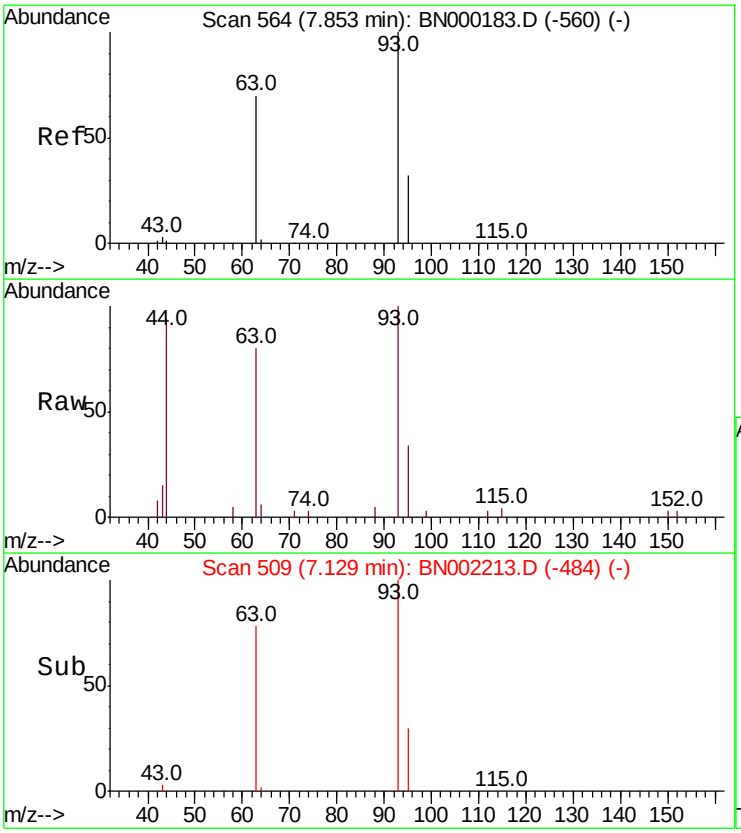
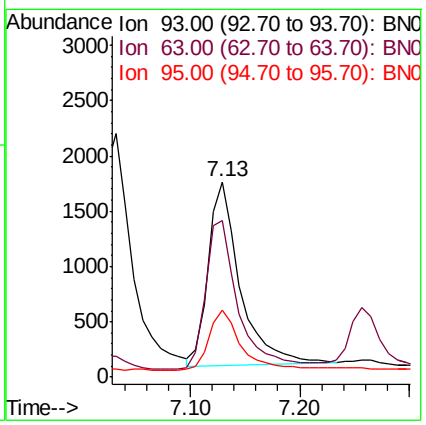
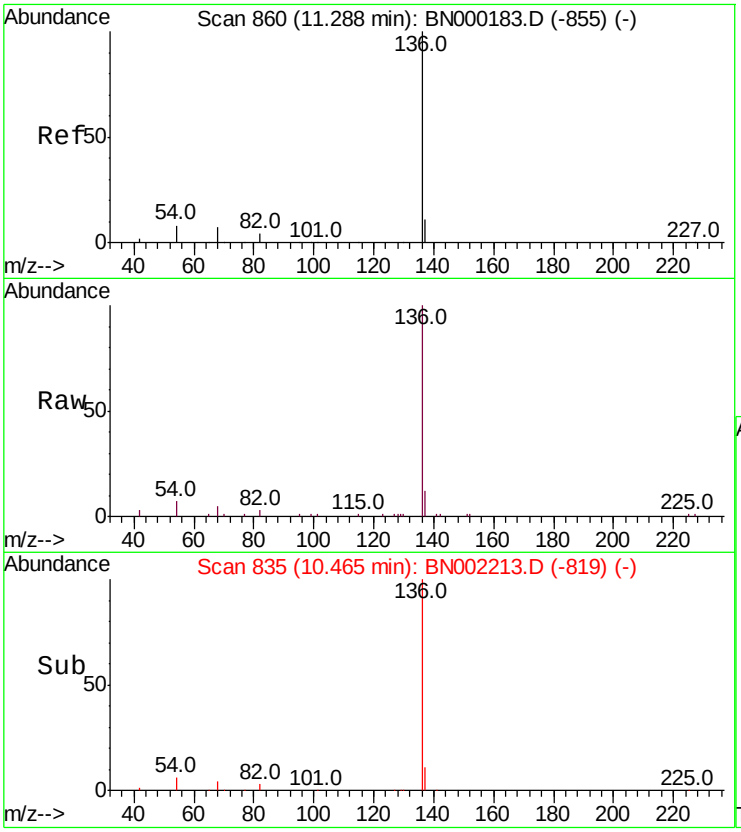


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 7.13 min Scan# 509
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion: 93 Resp: 3368

Ion	Ratio	Lower	Upper
93	100		
63	82.8	56.0	84.0
95	32.8	25.2	37.8

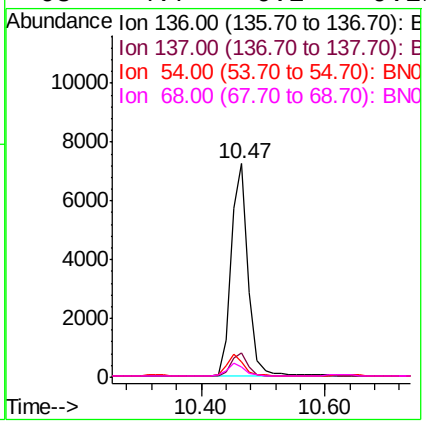




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:136 Resp: 13733

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	7.0	29.1	43.7#
68	4.7	6.2	9.2#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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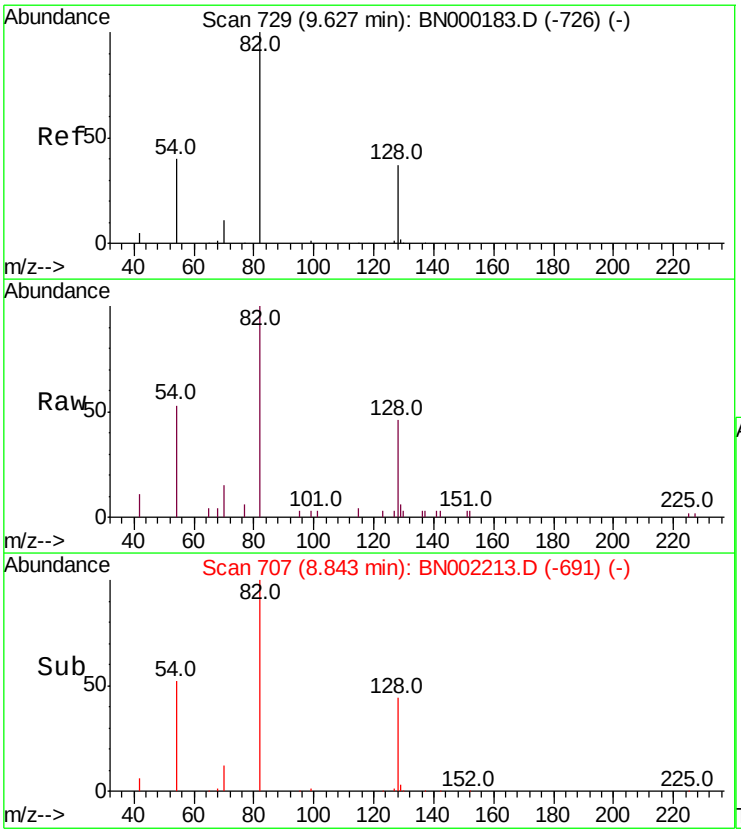
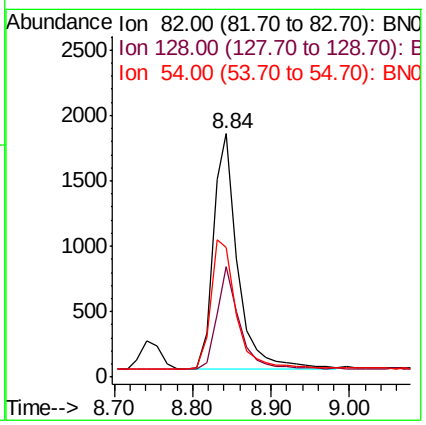
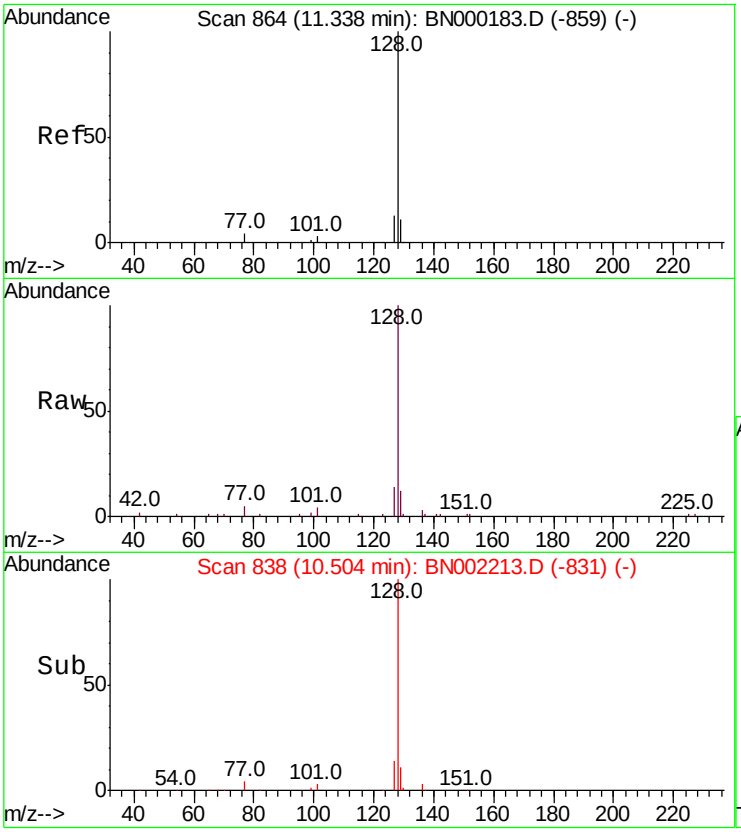


#8
Nitrobenzene-d5
Concen: 0.380 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion: 82 Resp: 3931

Ion	Ratio	Lower	Upper
82	100		
128	45.6	150.0	225.0#
54	53.5	154.2	231.4#

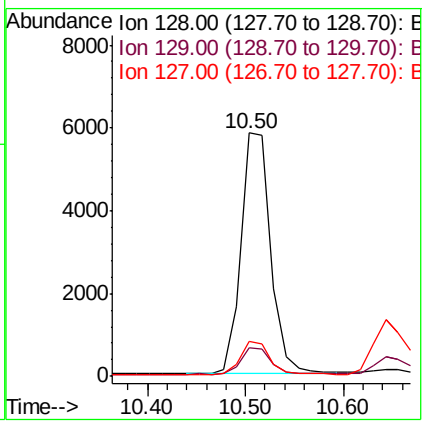




#9
Naphthalene
Concen: 0.395 ng
RT: 10.50 min Scan# 838
Delta R.T. -0.01 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:128 Resp: 12220

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.0	12.0
127	14.4	9.6	14.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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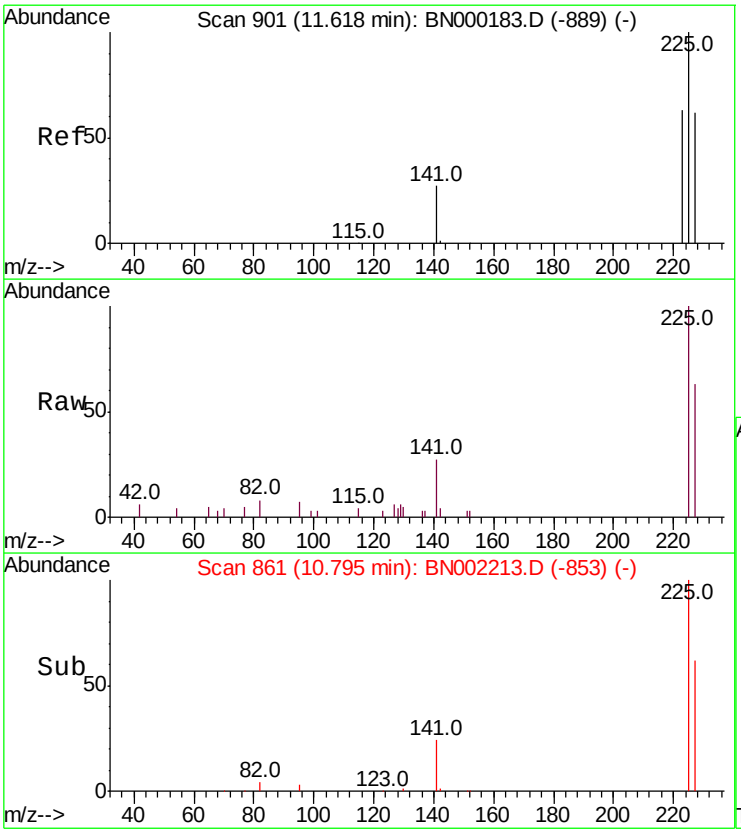
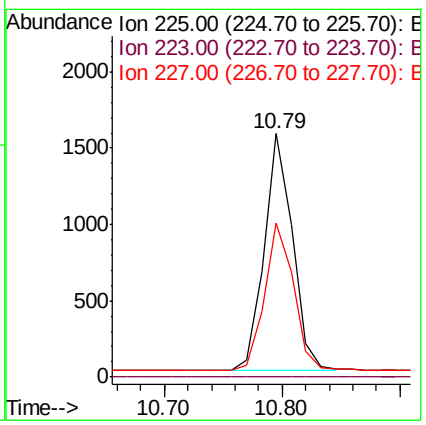
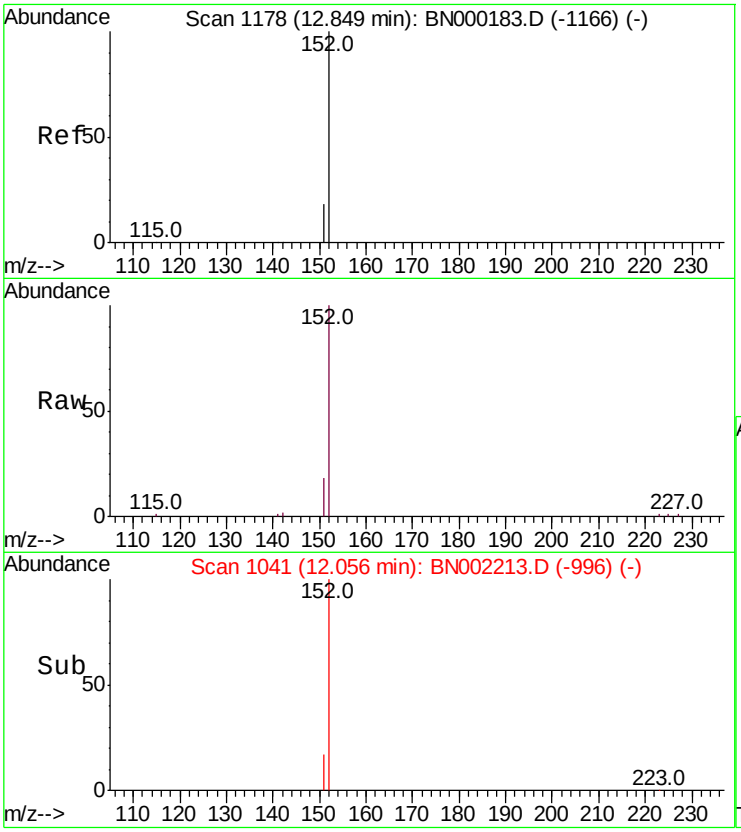


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 10.79 min Scan# 861
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:225 Resp: 2603

Ion	Ratio	Lower	Upper
225	100		
223	0.0	52.0	78.0#
227	63.6	48.0	72.0





#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.06 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:152 Resp: 7725

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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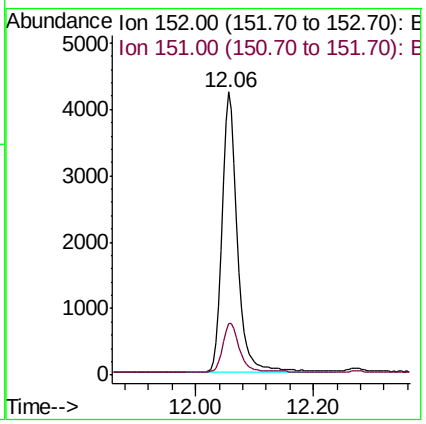
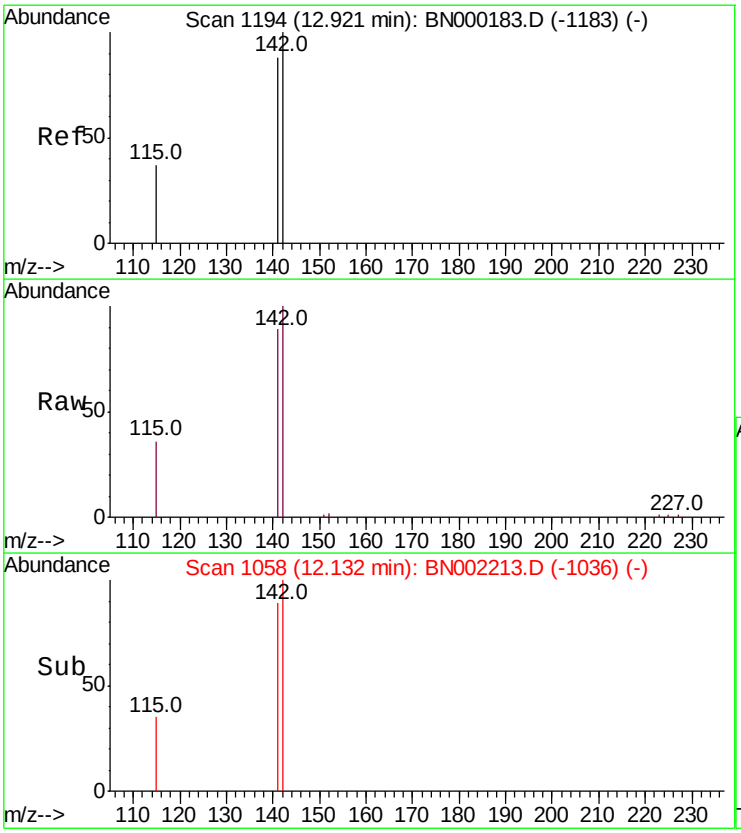
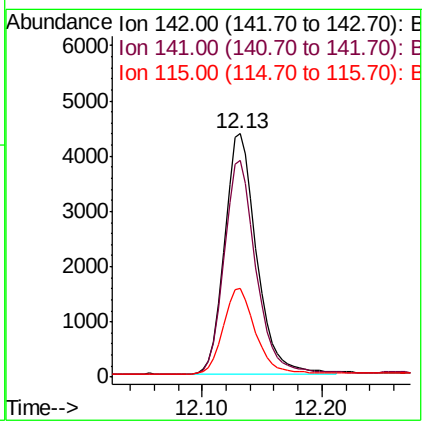


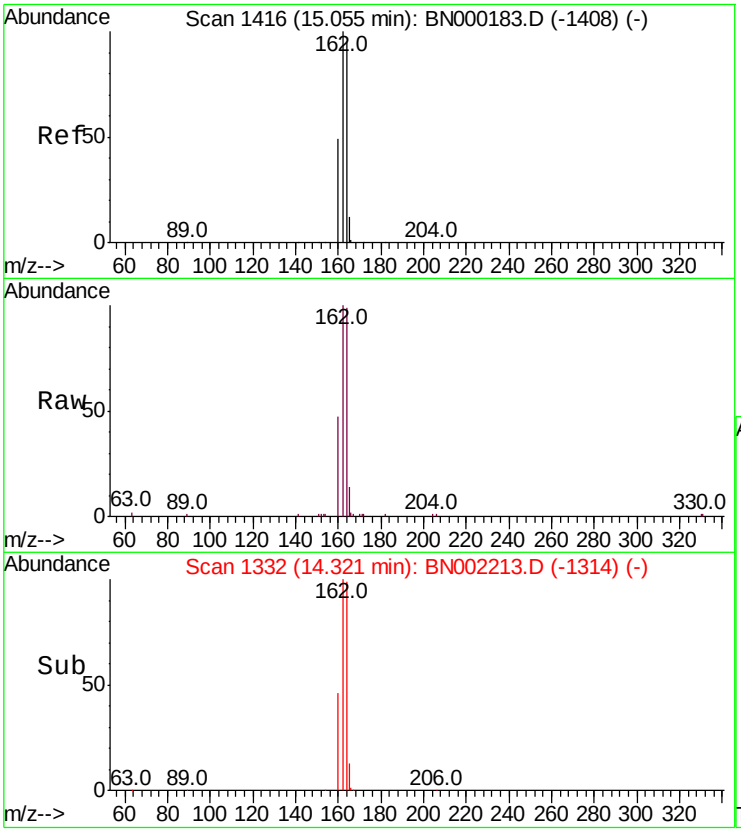


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.13 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:142 Resp: 8076

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.4	105.6
115	36.3	31.7	47.5

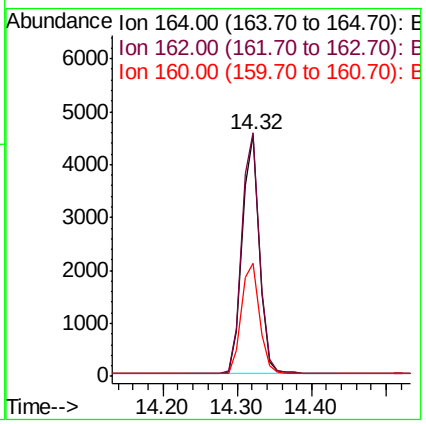




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:164 Resp: 7240

Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.1	124.7
160	47.1	37.1	55.7



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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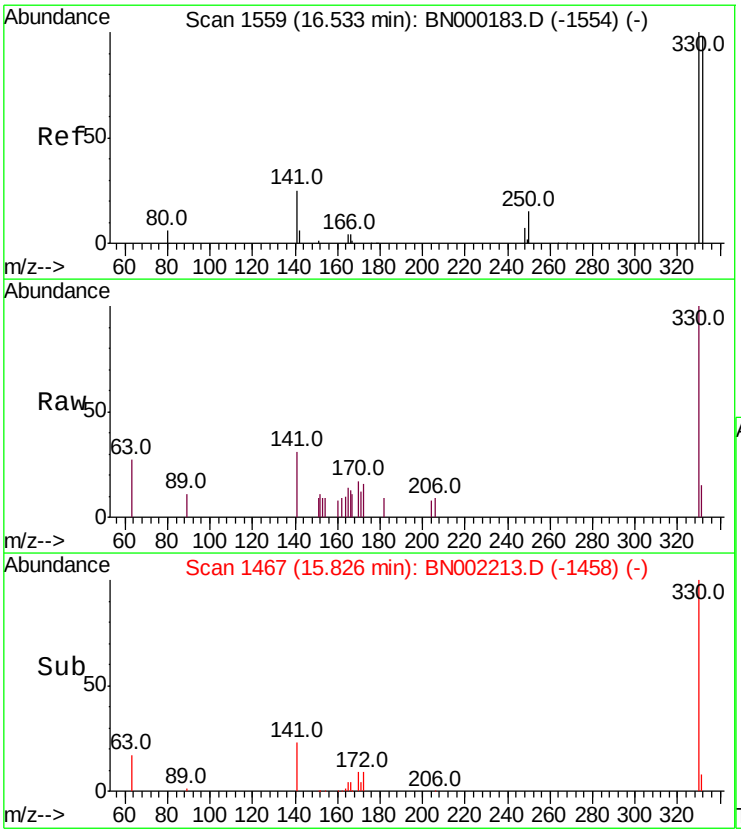
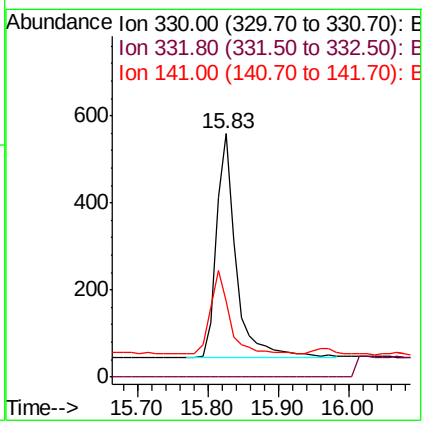
8/1/2018 4:49:36 PM

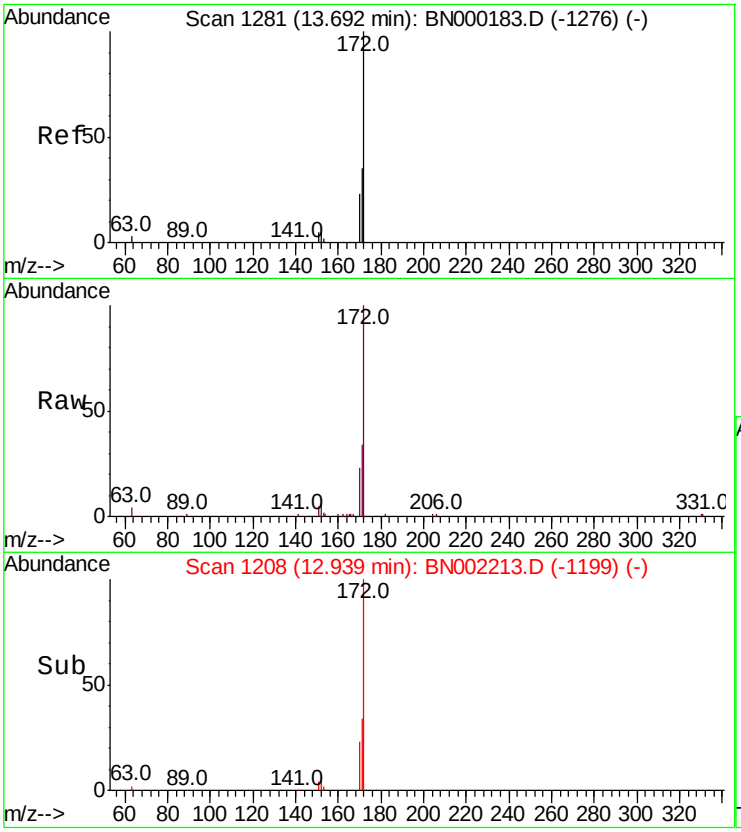


#14
2,4,6-Tribromophenol
Concen: 0.327 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:330 Resp: 1010

Ion	Ratio	Lower	Upper
330	100		
332	0.0	152.7	229.1#
141	36.1	33.7	50.5

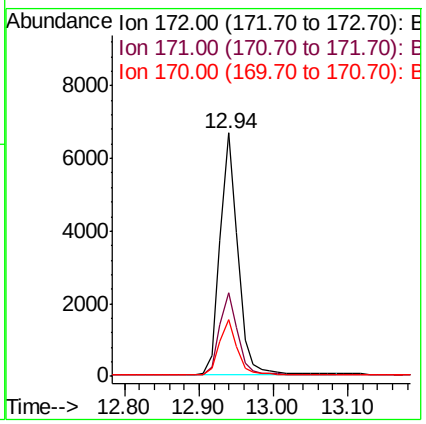




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:172 Resp: 11088

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.9	44.9
170	23.2	21.8	32.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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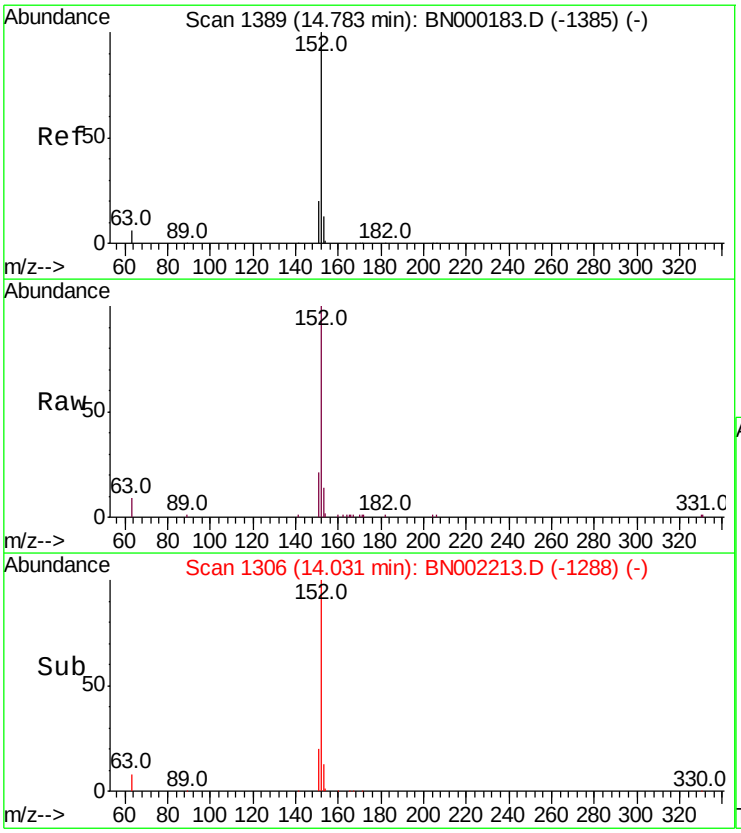
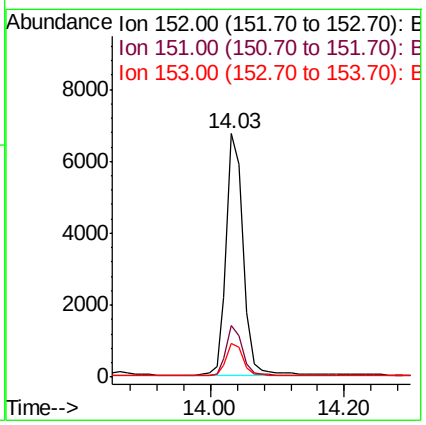
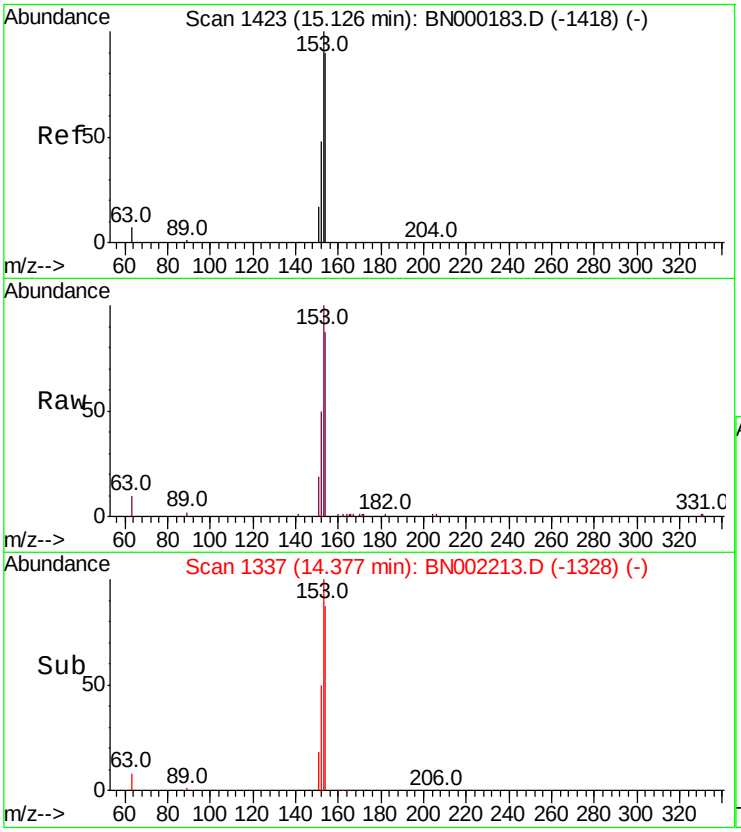


#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.03 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:152 Resp: 11800

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.1	10.5	15.7

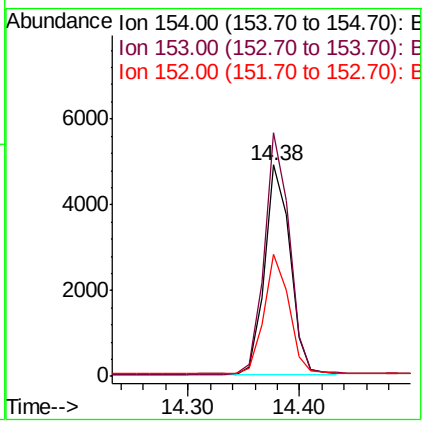




#17
Acenaphthene
Concen: 0.389 ng
RT: 14.38 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:154 Resp: 7737

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.2	133.8
152	56.6	42.0	63.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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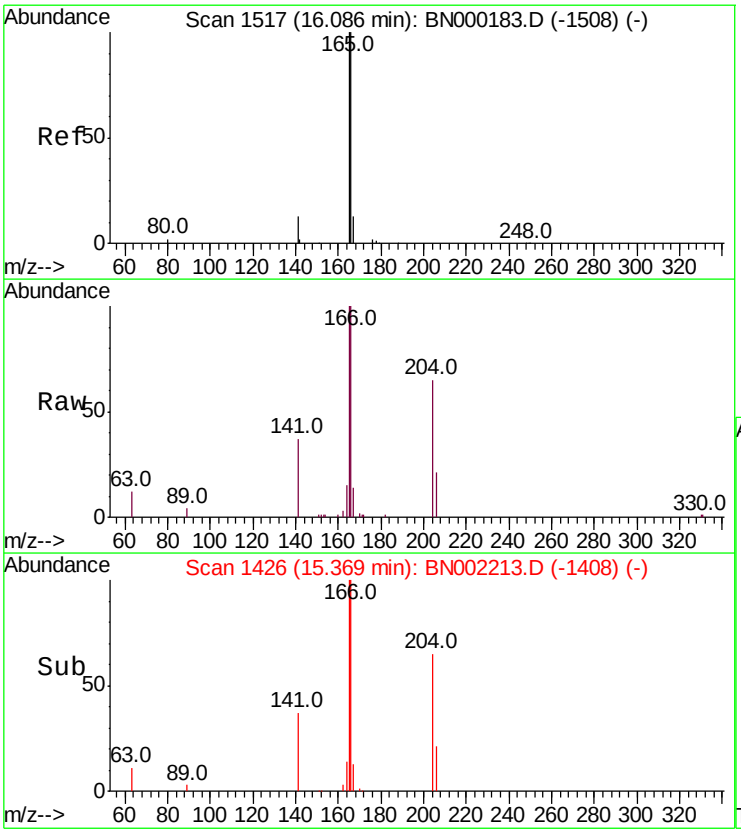
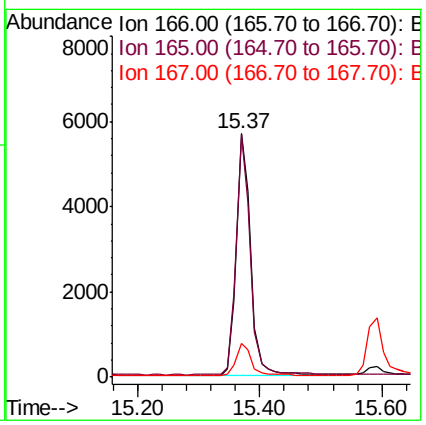
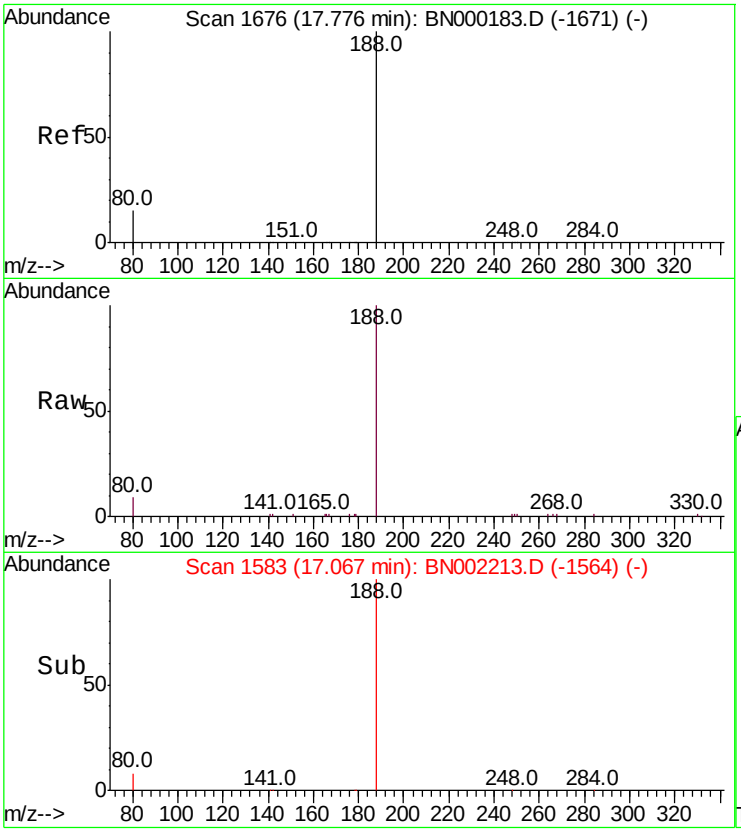


#18
Fluorene
Concen: 0.374 ng
RT: 15.37 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:166 Resp: 9162

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.8	116.6
167	13.5	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:188 Resp: 14195

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.0	3.6	5.4#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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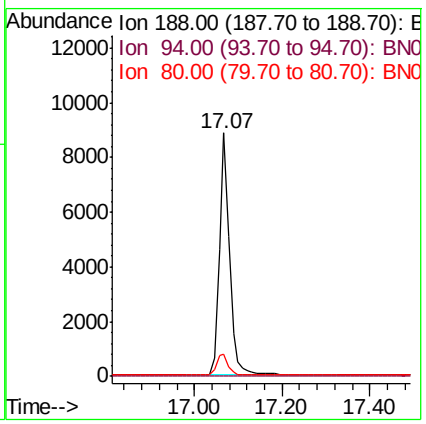
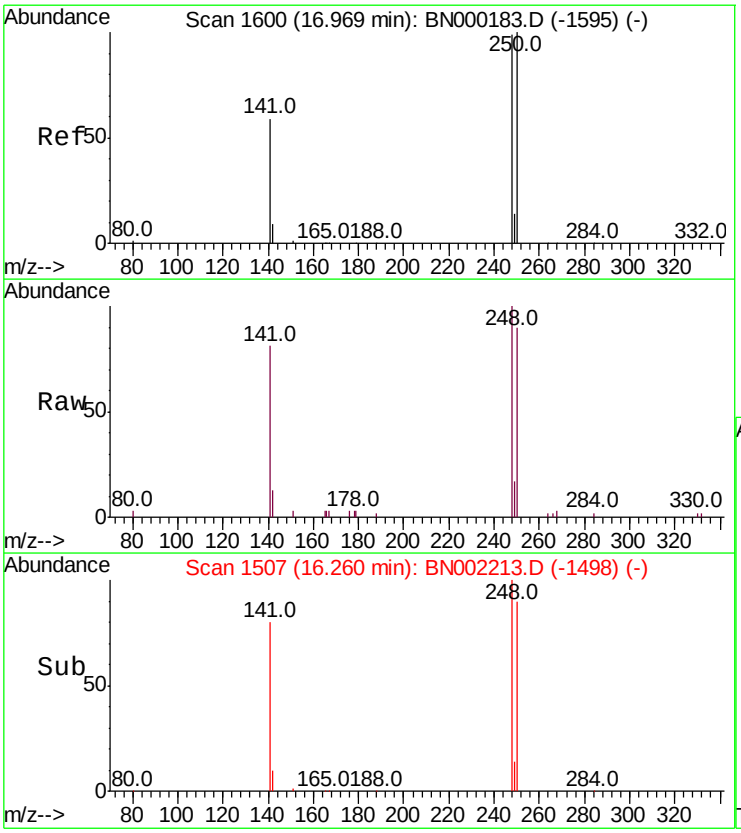
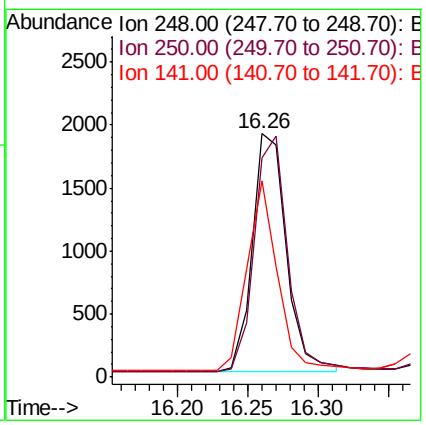


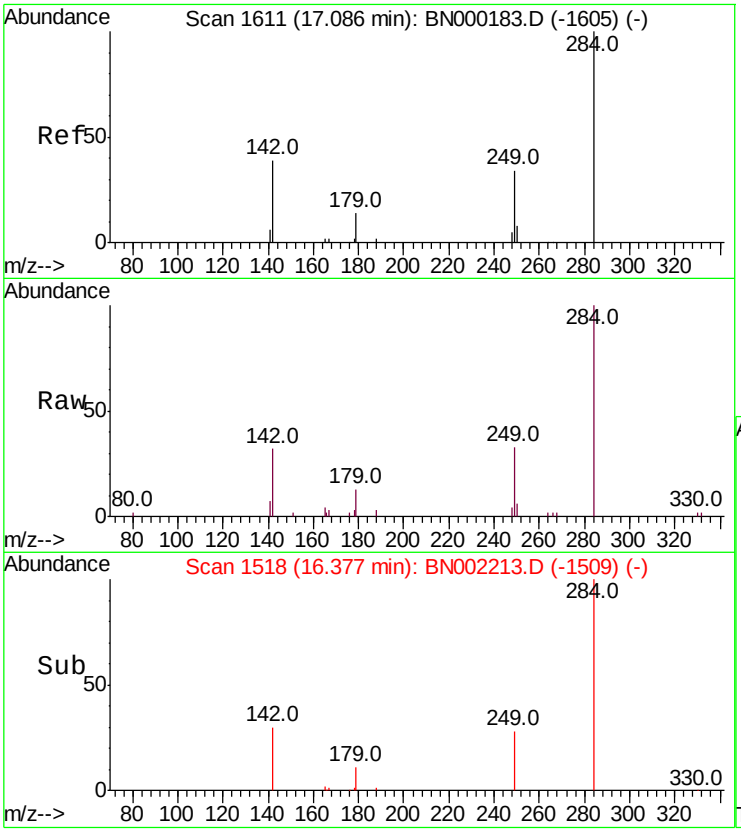


#20
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:248 Resp: 3203

Ion	Ratio	Lower	Upper
248	100		
250	90.0	62.7	94.1
141	80.8	48.2	72.2#

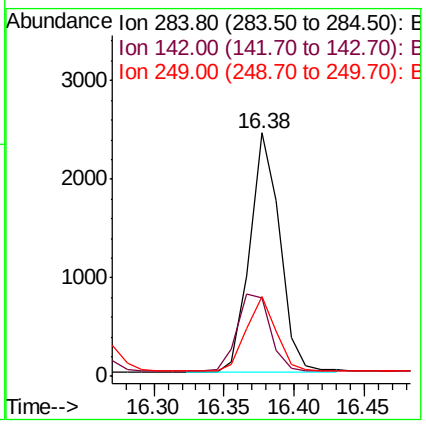




#21
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.38 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:284 Resp: 3627

Ion	Ratio	Lower	Upper
284	100		
142	35.4	32.0	48.0
249	30.5	24.0	36.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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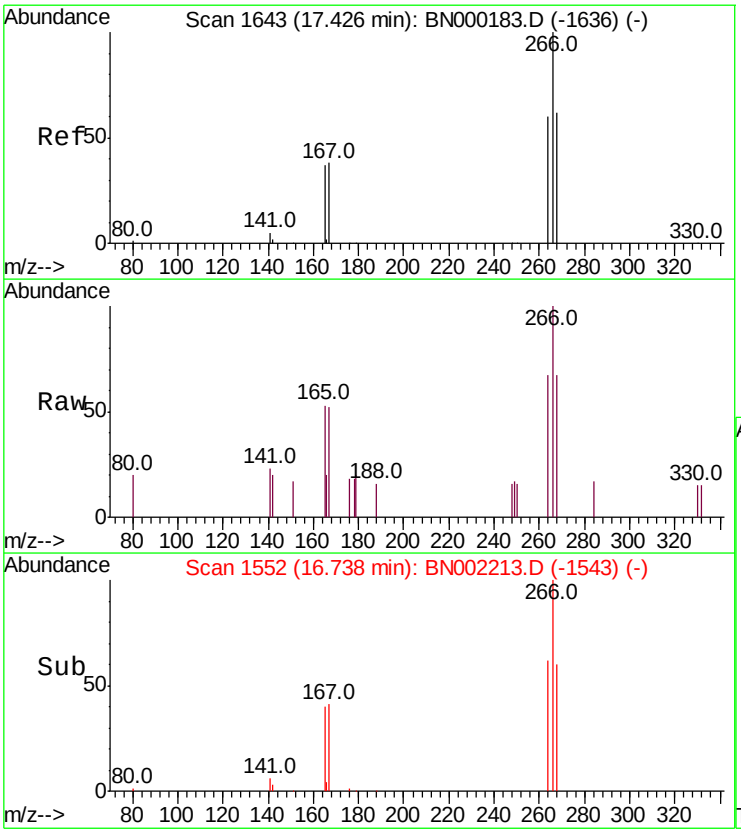
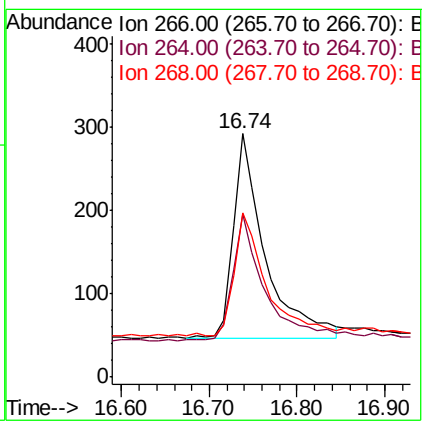
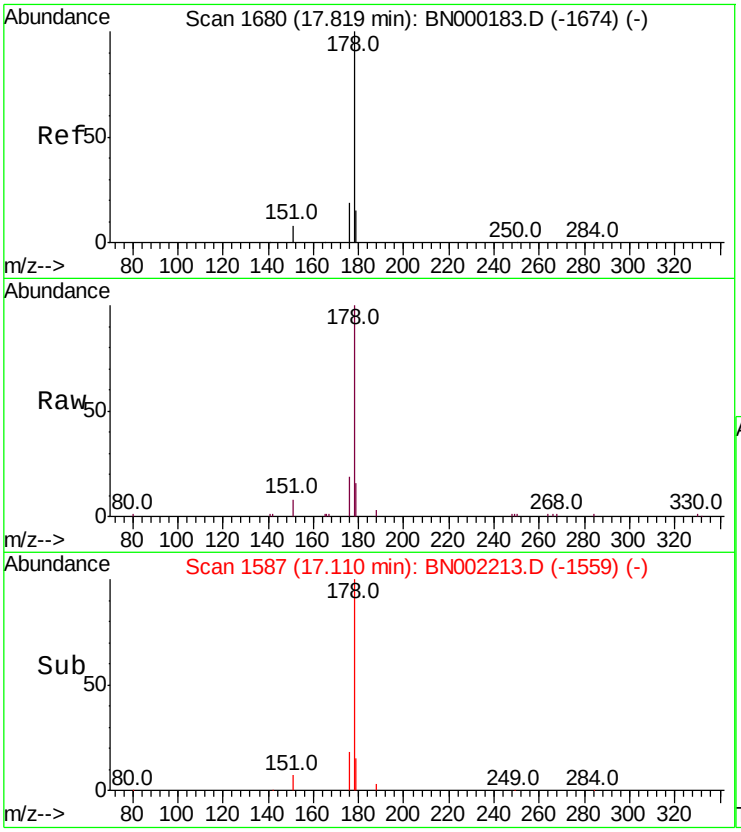


#22
Pentachlorophenol
Concen: 0.372 ng
RT: 16.74 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:266 Resp: 619

Ion	Ratio	Lower	Upper
266	100		
264	67.1	48.0	72.0
268	67.5	52.0	78.0

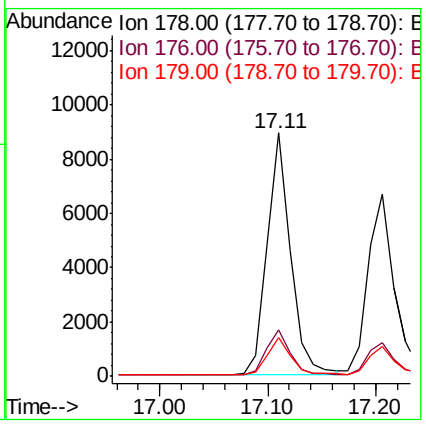




#23
Phenanthrene
Concen: 0.380 ng
RT: 17.11 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:178 Resp: 13411

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.5	11.8	17.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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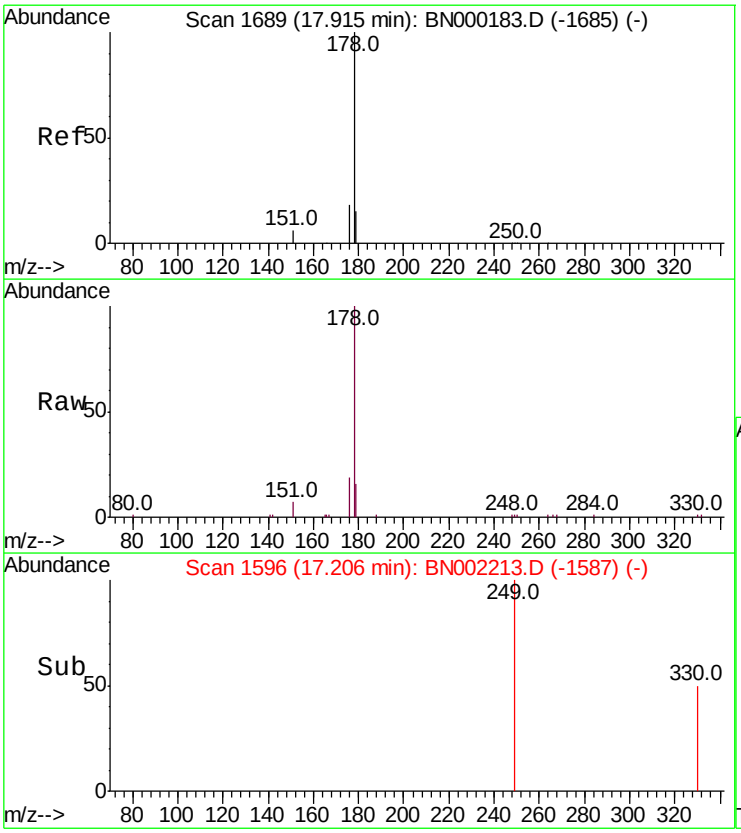
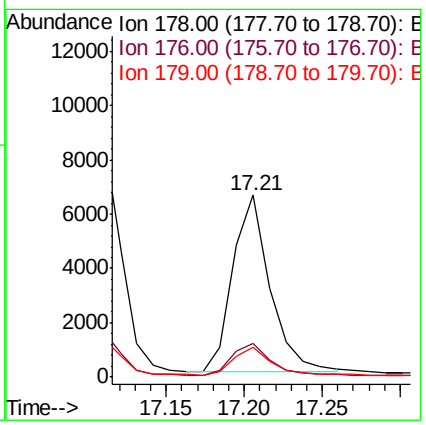
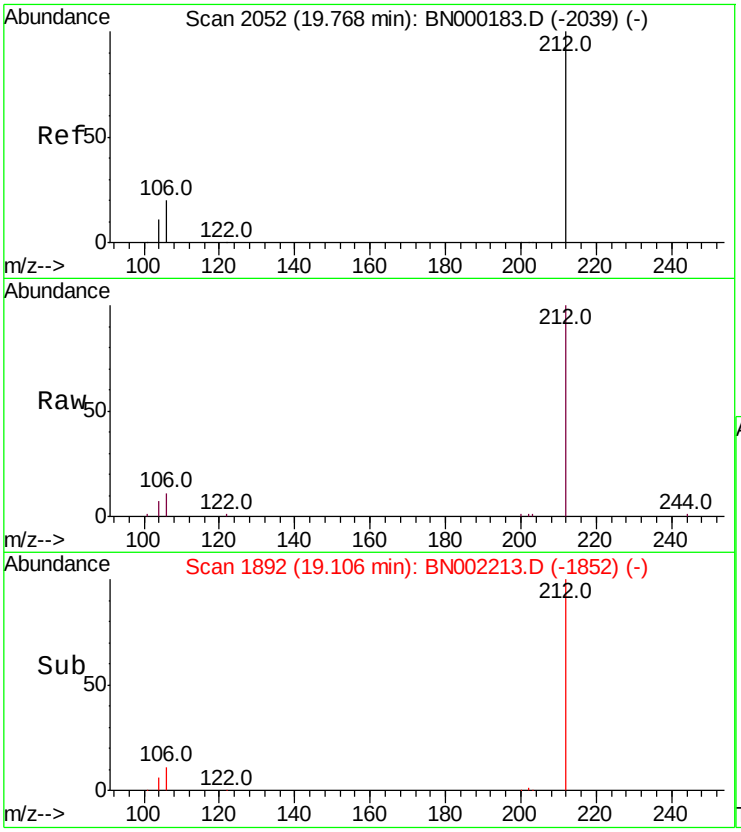


#24
Anthracene
Concen: 0.369 ng
RT: 17.21 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:178 Resp: 10782

Ion	Ratio	Lower	Upper
178	100		
176	18.3	12.8	19.2
179	15.0	13.0	19.6





#25
Fluoranthene-d10
Concen: 0.347 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:212 Resp: 12173

Ion	Ratio	Lower	Upper
212	100		
106	11.9	2.8	4.2#
104	6.6	1.6	2.4#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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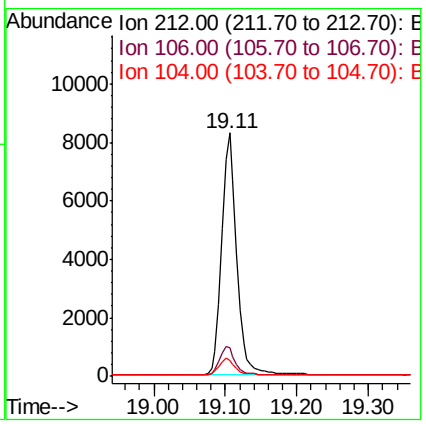
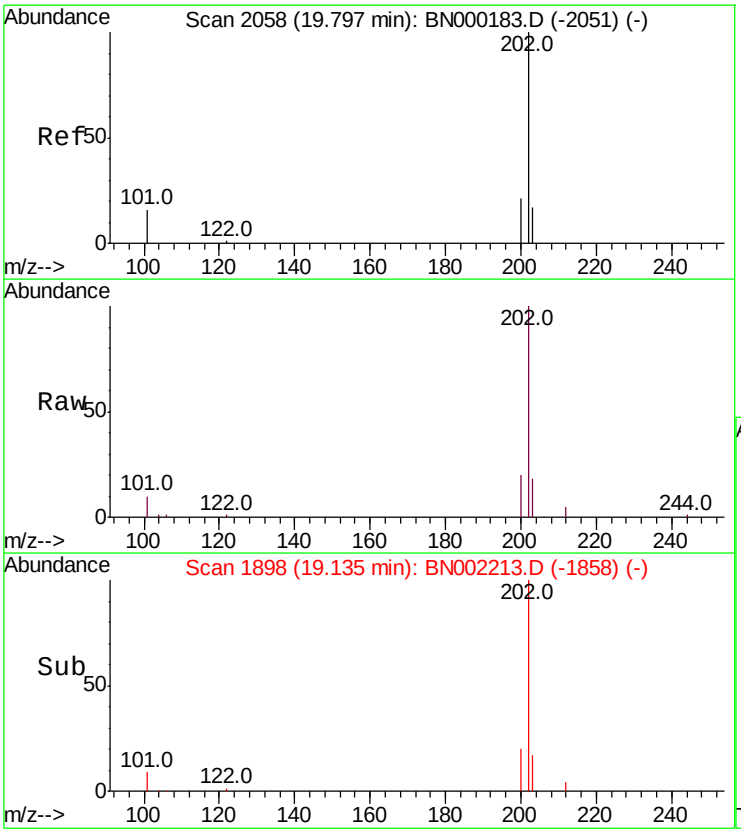
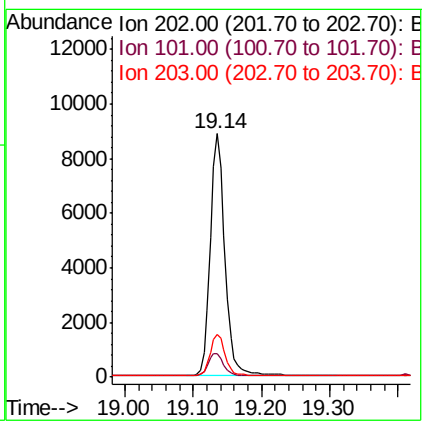


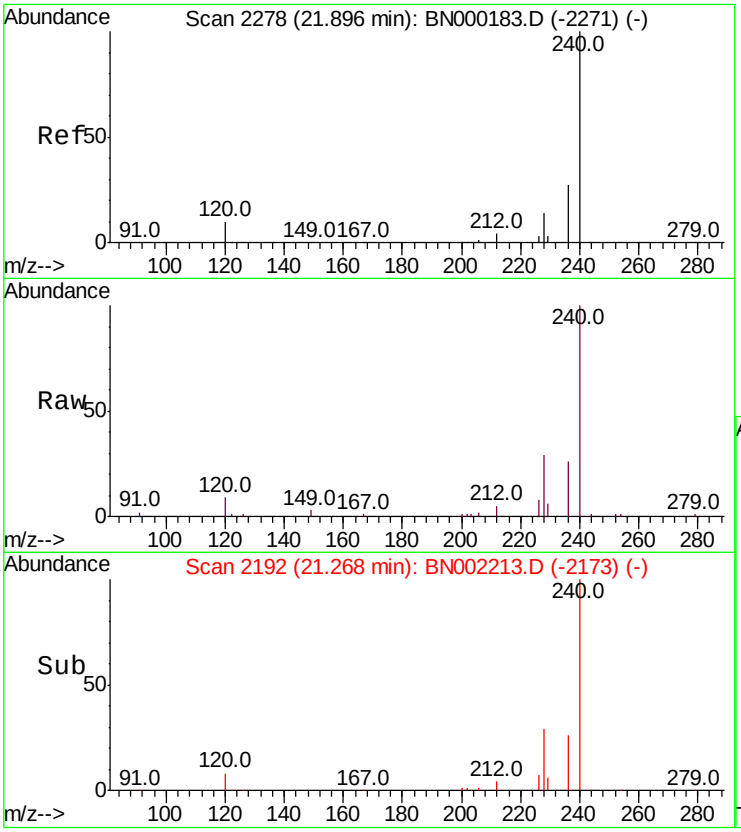


#26
Fluoranthene
Concen: 0.342 ng
RT: 19.14 min Scan# 1898
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:202 Resp: 13163

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	17.0	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:240 Resp: 11130

Ion	Ratio	Lower	Upper
240	100		
120	9.2	5.5	8.3#
236	26.3	20.7	31.1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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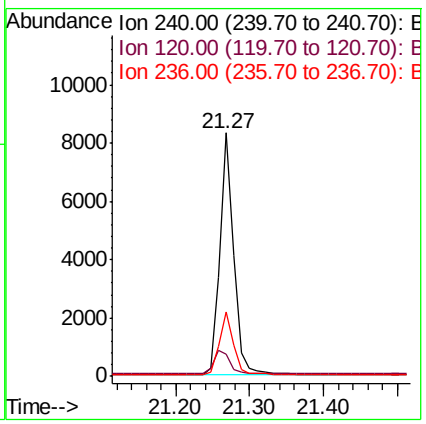
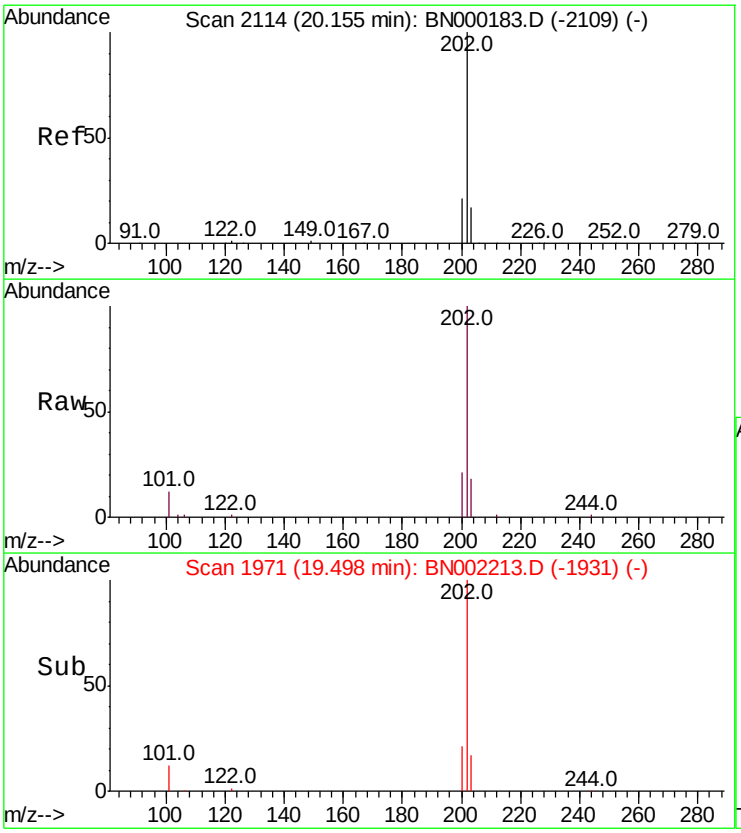
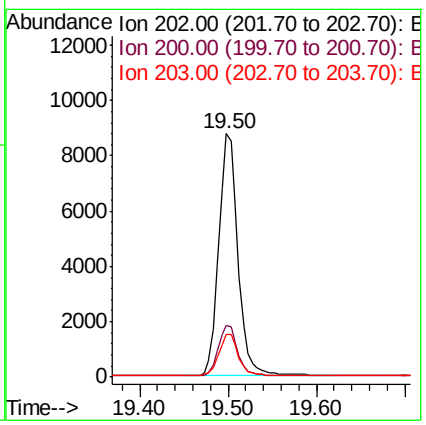


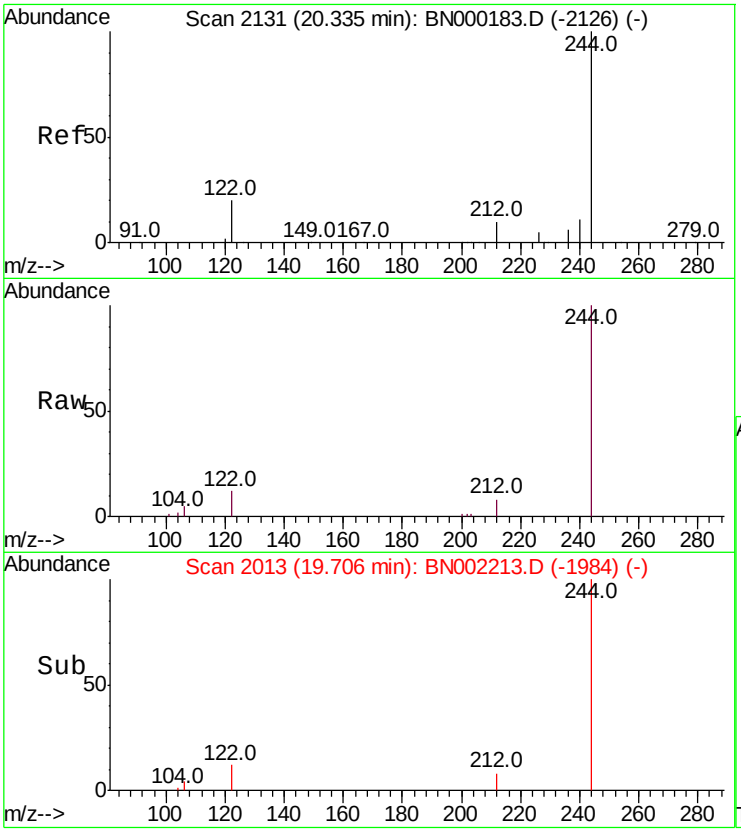


#28
Pyrene
Concen: 0.402 ng
RT: 19.50 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:202 Resp: 13235

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.3	13.8	20.8





#29
Terphenyl-d14
Concen: 0.392 ng
RT: 19.71 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:244 Resp: 9322

Ion	Ratio	Lower	Upper
244	100		
212	8.3	25.4	38.0#
122	12.3	8.1	12.1#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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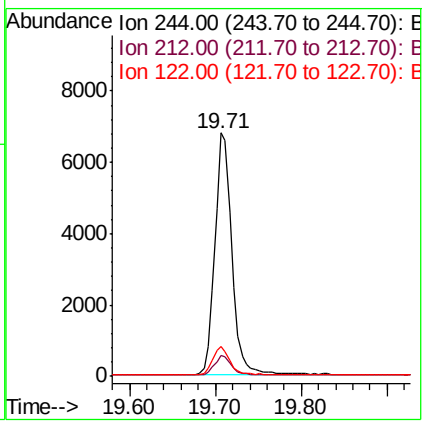
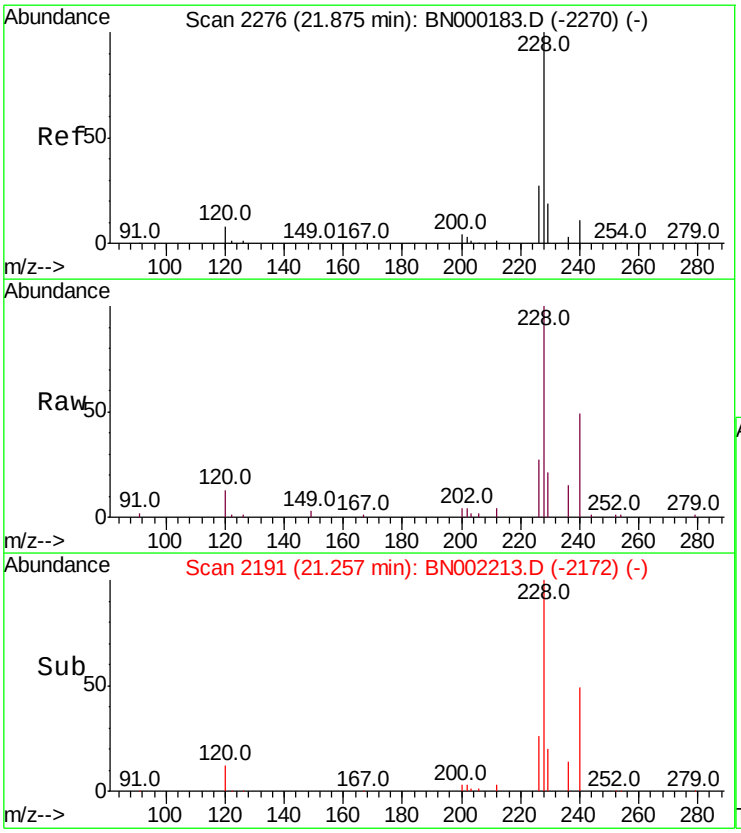
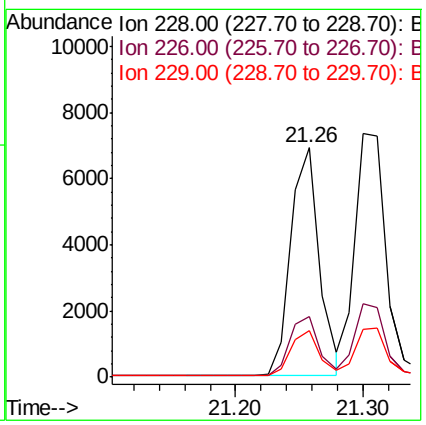


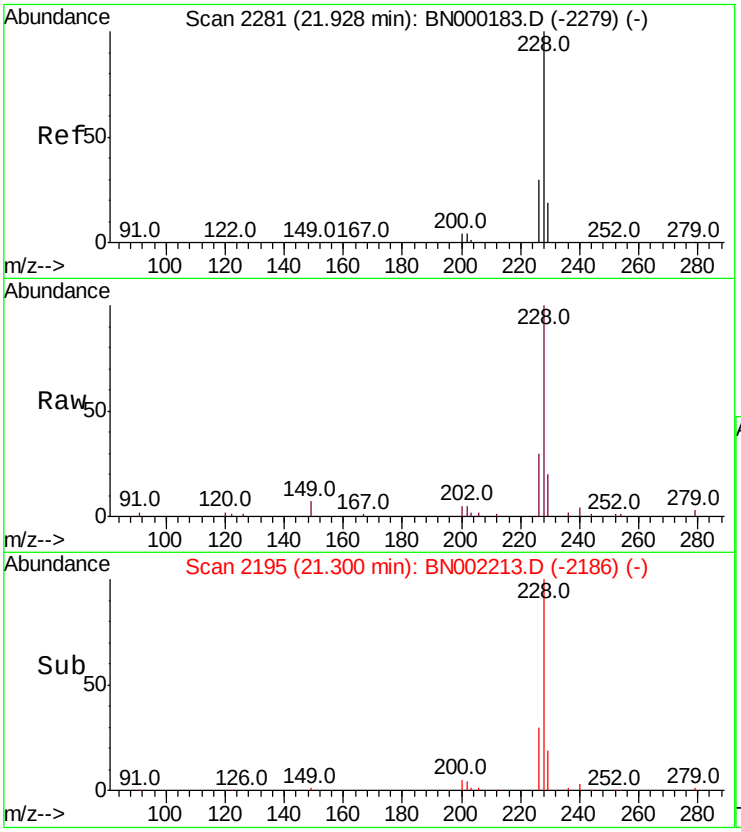


#30
Benzo(a)anthracene
Concen: 0.379 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:228 Resp: 10607

Ion	Ratio	Lower	Upper
228	100		
226	26.7	24.0	36.0
229	20.5	16.0	24.0





#31
Chrysene
Concen: 0.389 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:228 Resp: 12205

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.7	16.0	24.0

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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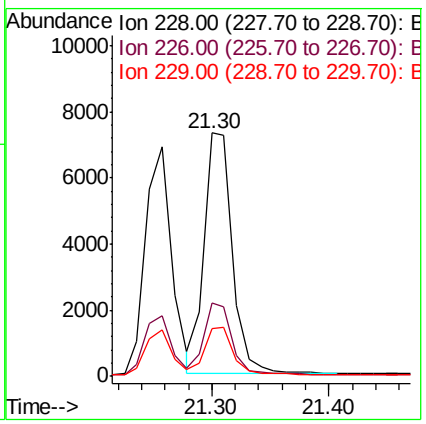
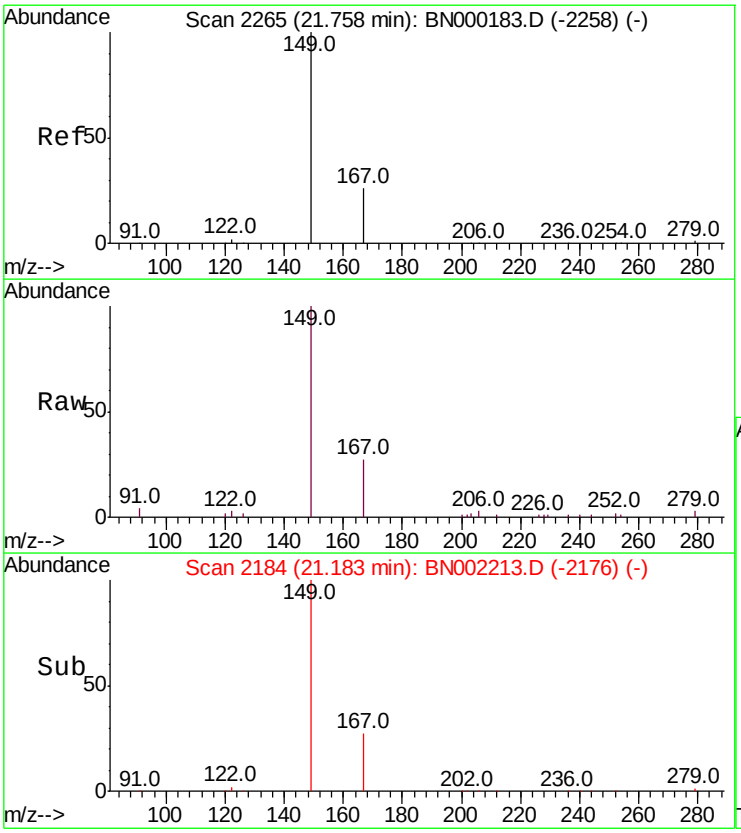
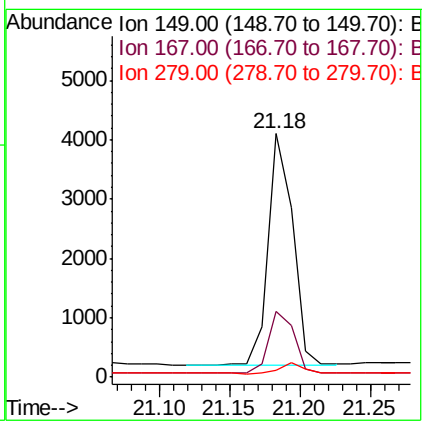


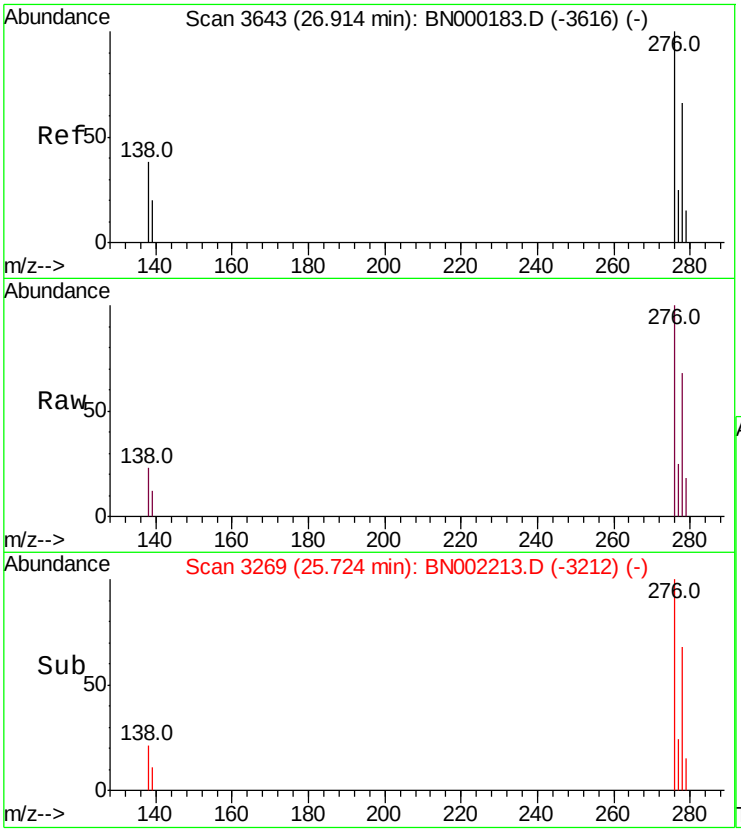


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.372 ng
RT: 21.18 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:149 Resp: 4768

Ion	Ratio	Lower	Upper
149	100		
167	28.2	20.0	30.0
279	4.4	1.6	2.4#

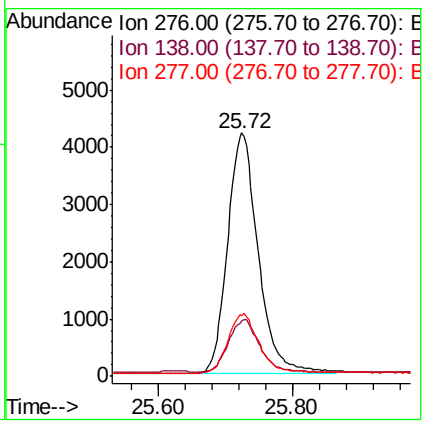




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.453 ng
RT: 25.72 min Scan# 3269
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:276 Resp: 13371

Ion	Ratio	Lower	Upper
276	100		
138	22.5	22.5	33.7
277	24.9	19.9	29.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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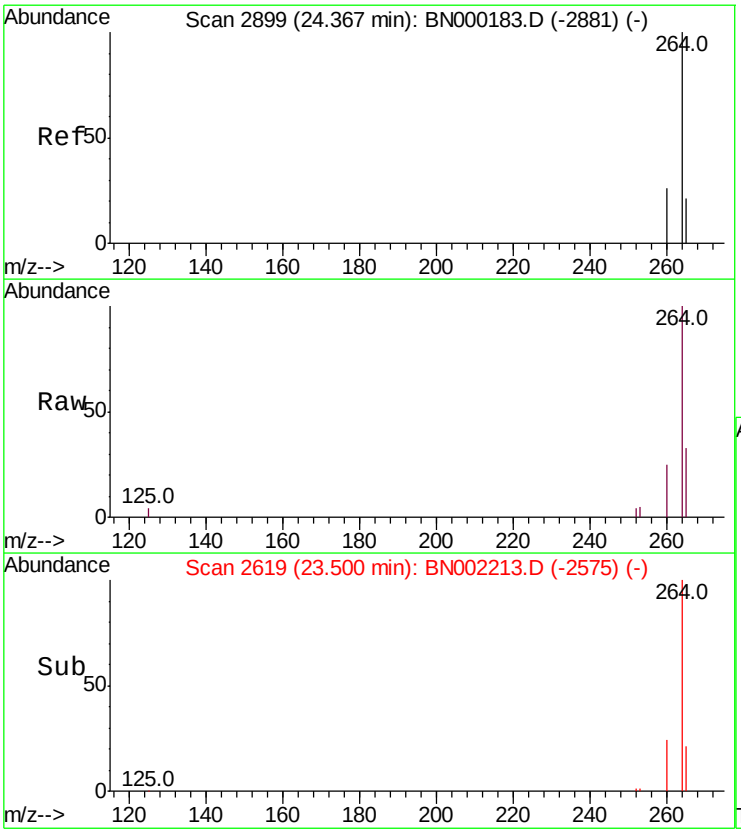
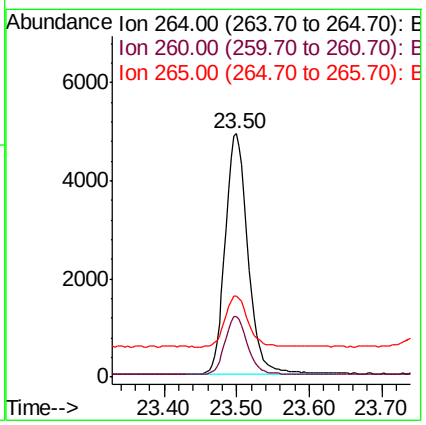
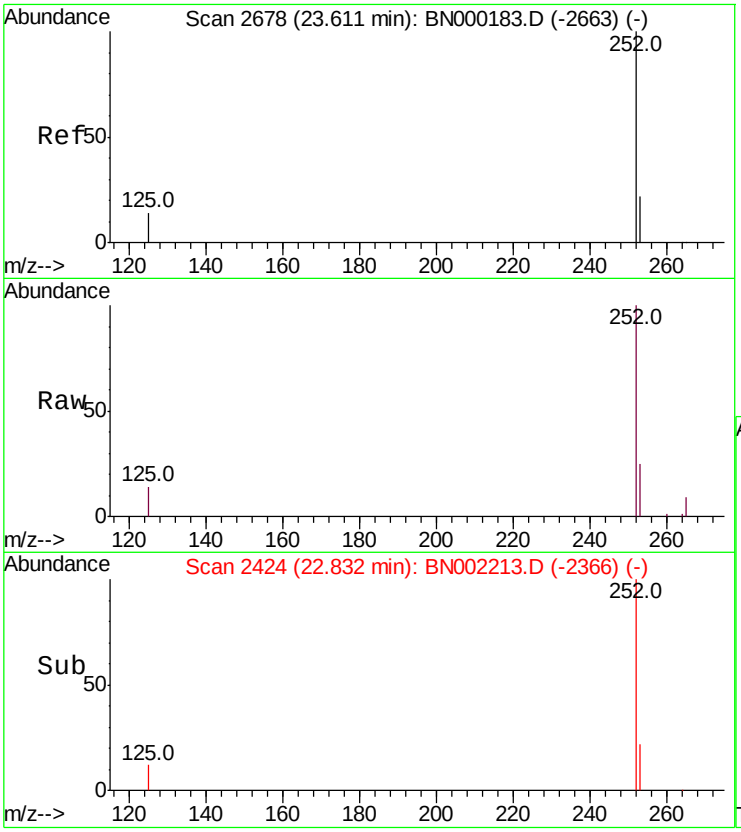


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2619
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:264 Resp: 10593

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.5	30.7
265	33.3	22.8	34.2





#35
Benzo(b)fluoranthene
Concen: 0.369 ng
RT: 22.83 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:252 Resp: 11512

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.0	30.0
125	14.1	16.0	24.0#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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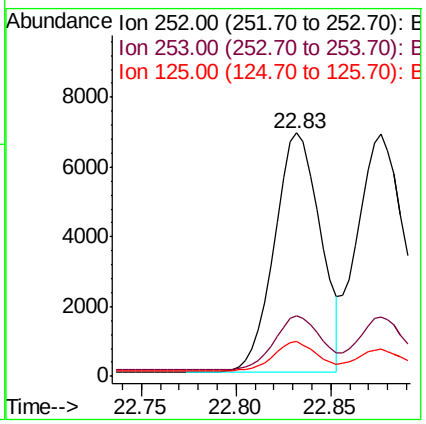
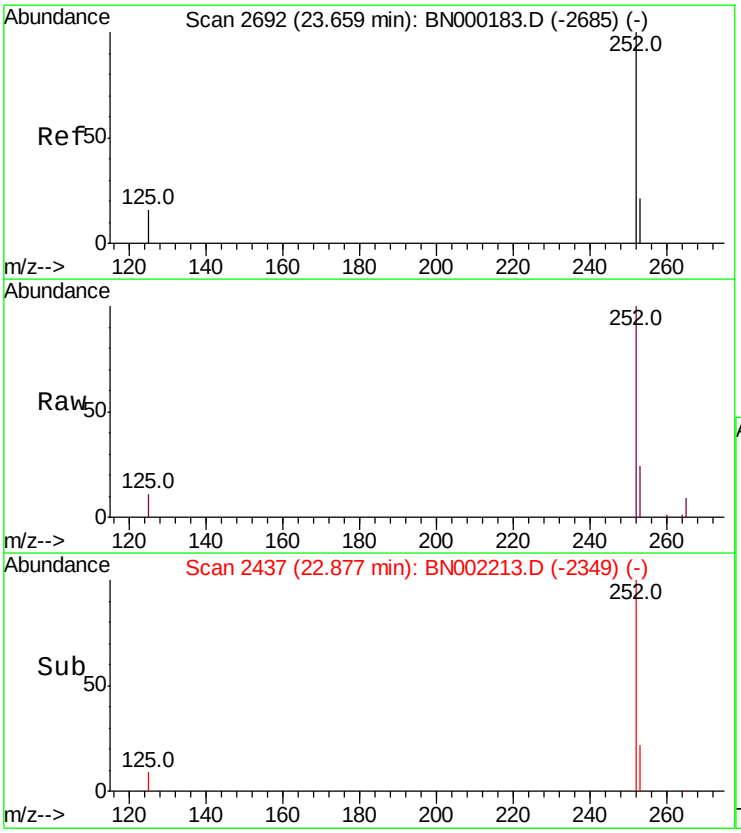
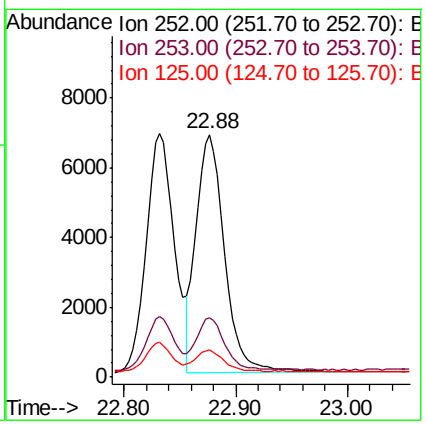


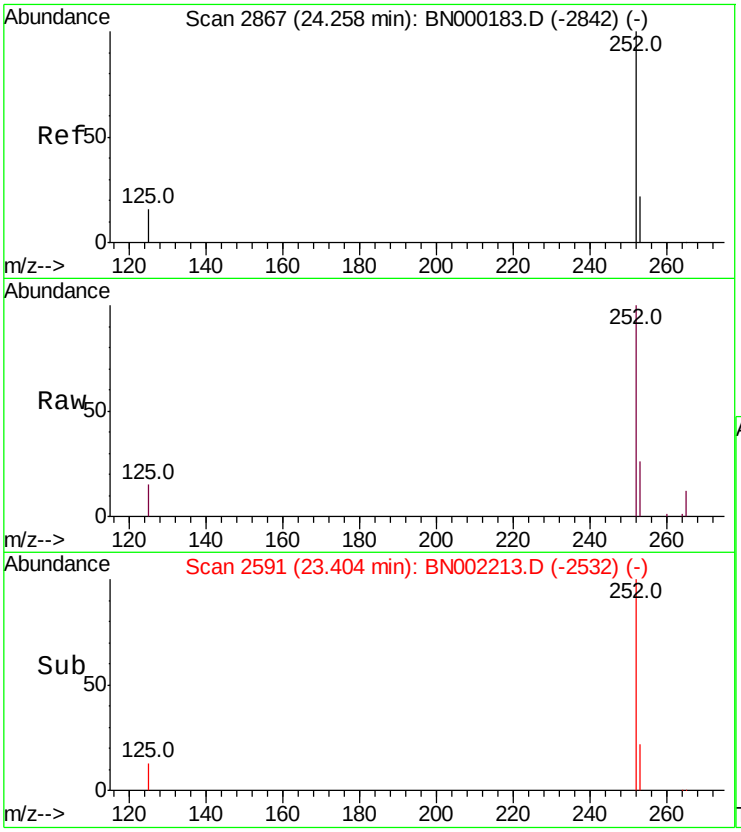


#36
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 22.88 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:252 Resp: 11966

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.0	24.0#
125	11.1	8.0	12.0





#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.40 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:252 Resp: 11108

Ion	Ratio	Lower	Upper
252	100		
253	25.7	16.0	24.0#
125	15.4	12.0	18.0

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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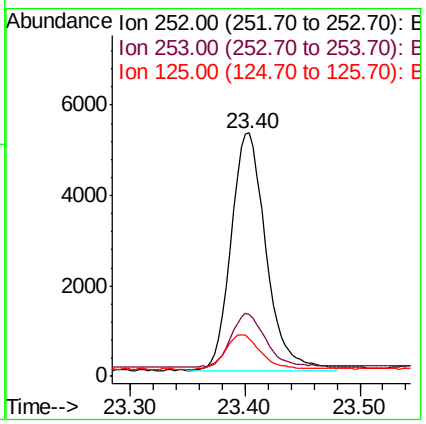
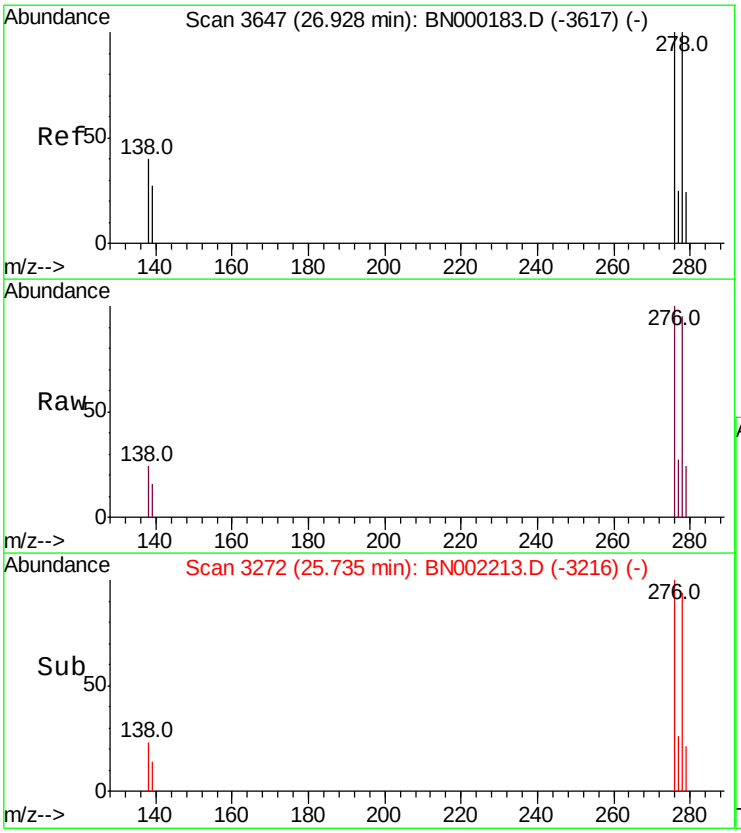
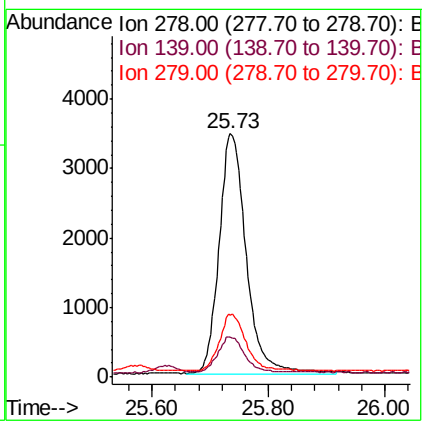


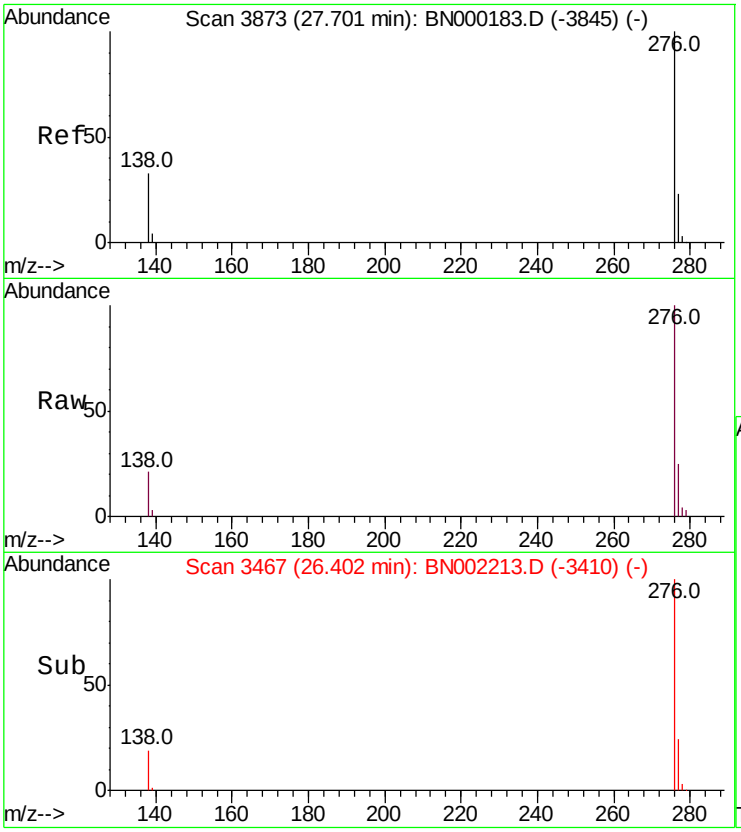


#38
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 25.73 min Scan# 3272
Delta R.T. -0.01 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:278 Resp: 11159

Ion	Ratio	Lower	Upper
278	100		
139	16.5	16.0	24.0
279	25.6	20.0	30.0

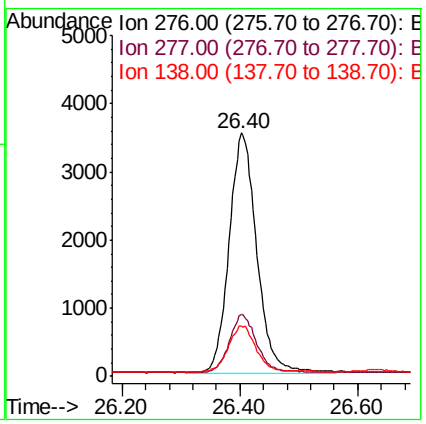




#39
Benzo(g,h,i)perylene
Concen: 0.406 ng
RT: 26.40 min Scan# 3467
Delta R.T. -0.00 min
Lab File: BN002213.D
Acq: 31 Jul 2018 16:23

Tgt Ion:276 Resp: 11388

Ion	Ratio	Lower	Upper
276	100		
277	25.2	16.0	24.0#
138	20.7	20.0	30.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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