Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061120\
Data File : BN010836.D
Acq On : 11 Jun 2020 12:44
Operator : CG/JU
Sample : L2904-02MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : VE-4-11MS

Manual Integrations APPROVED
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6/15/2020 8:43:59 AM

Quant Time: Jun 11 13:31:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 15:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	3622	0.40	ng		0.00
7) Naphthalene-d8	10.30	136	13635	0.40	ng		0.00
13) Acenaphthene-d10	14.18	164	8810	0.40	ng		0.00
19) Phenanthrene-d10	16.92	188	16419	0.40	ng		-0.01
27) Chrysene-d12	21.13	240	14452	0.40	ng		0.00
34) Perylene-d12	23.29	264	16055	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	1435	0.21	ng		0.00
5) Phenol-d6	6.75	99	1063	0.13	ng		0.00
8) Nitrobenzene-d5	8.68	82	4139	0.41	ng		-0.01
11) 2-Methylnaphthalene-d10	11.90	152	7953	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.67	330	1555	0.49	ng		-0.01
15) 2-Fluorobiphenyl	12.80	172	12218	0.35	ng		0.00
25) Fluoranthene-d10	18.96	212	17801	0.39	ng		0.00
29) Terphenyl-d14	19.58	244	15454	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1757	0.495	ng	#	90
3) n-Nitrosodimethylamine	3.53	42	403	0.195	ng	#	68
6) bis(2-Chloroethyl)ether	6.99	93	3553	0.442	ng		96
9) Naphthalene	10.35	128	14366	0.419	ng		99
10) Hexachlorobutadiene	10.65	225	2961	0.350	ng	#	99
12) 2-Methylnaphthalene	11.97	142	10441	0.455	ng		96
16) Acenaphthylene	13.89	152	16515	0.458	ng	#	80
17) Acenaphthene	14.24	154	9597	0.390	ng		98
18) Fluorene	15.23	166	12778	0.403	ng		97
20) 4-Bromophenyl-phenylether	16.12	248	3869	0.392	ng	#	69
21) Hexachlorobenzene	16.24	284	3924	0.381	ng		95
22) Pentachlorophenol	16.59	266	6072	1.757	ng		93
23) Phenanthrene	16.96	178	21050m	0.469	ng		
24) Anthracene	17.06	178	28658	0.765	ng		98
26) Fluoranthene	18.99	202	21915	0.430	ng	#	97
28) Pyrene	19.36	202	27146	0.568	ng		96
30) Benzo(a)anthracene	21.12	228	20388	0.480	ng	#	77
31) Chrysene	21.17	228	20107	0.406	ng	#	78
32) Bis(2-ethylhexyl)phthalate	21.08	149	10373	0.732	ng		99
33) Indeno(1,2,3-cd)pyrene	25.40	276	20066	0.363	ng	#	95
35) Benzo(b)fluoranthene	22.65	252	19270	0.353	ng	#	81
36) Benzo(k)fluoranthene	22.69	252	18869	0.324	ng	#	78
37) Benzo(a)pyrene	23.19	252	16633	0.355	ng	#	85
38) Dibenzo(a,h)anthracene	25.42	278	16418	0.307	ng	#	84
39) Benzo(g,h,i)perylene	26.04	276	17013	0.305	ng	#	89

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061120\
Data File : BN010836.D
Acq On : 11 Jun 2020 12:44
Operator : CG/JU
Sample : L2904-02MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 11 13:31:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 15:14:26 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

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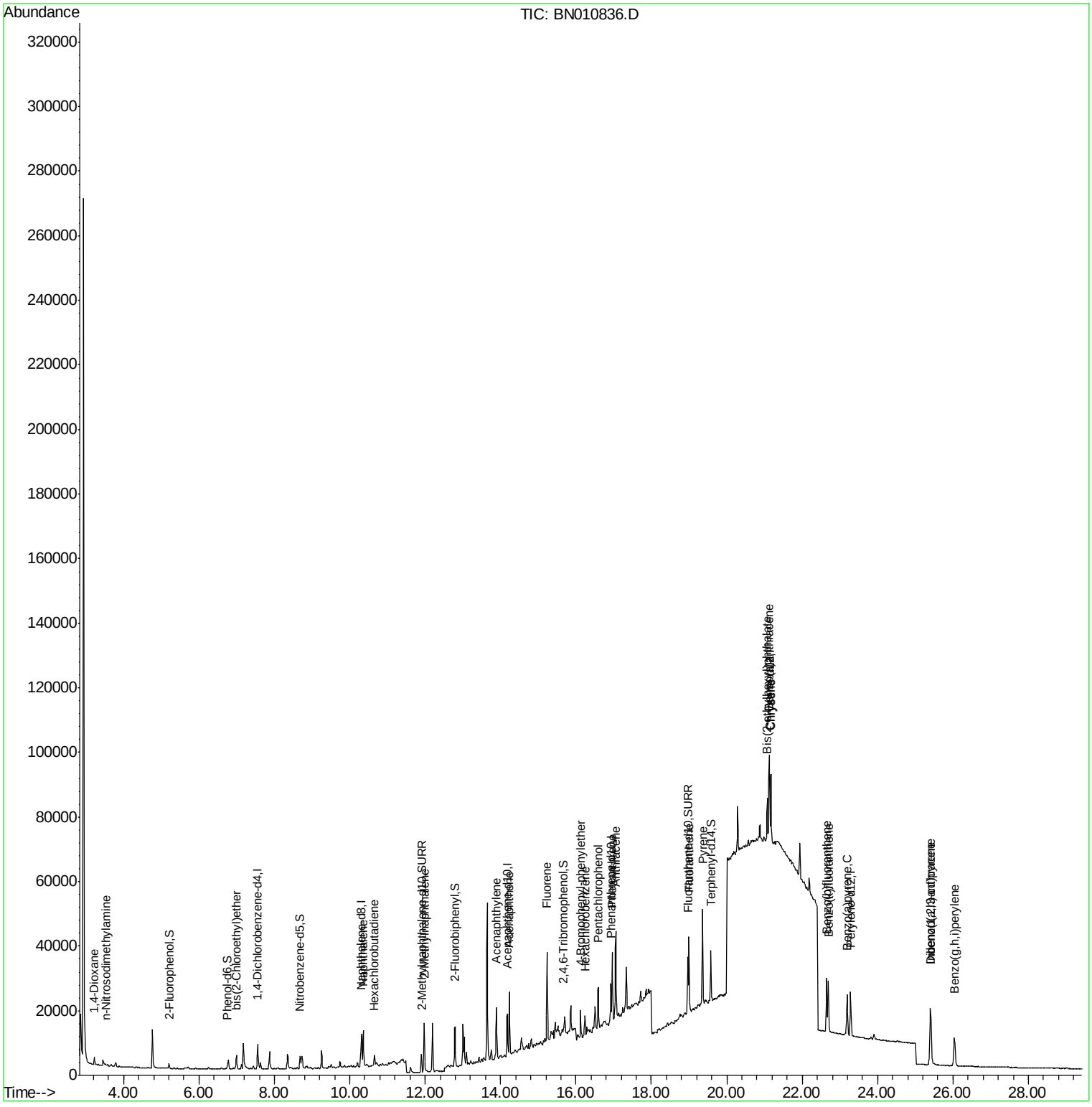
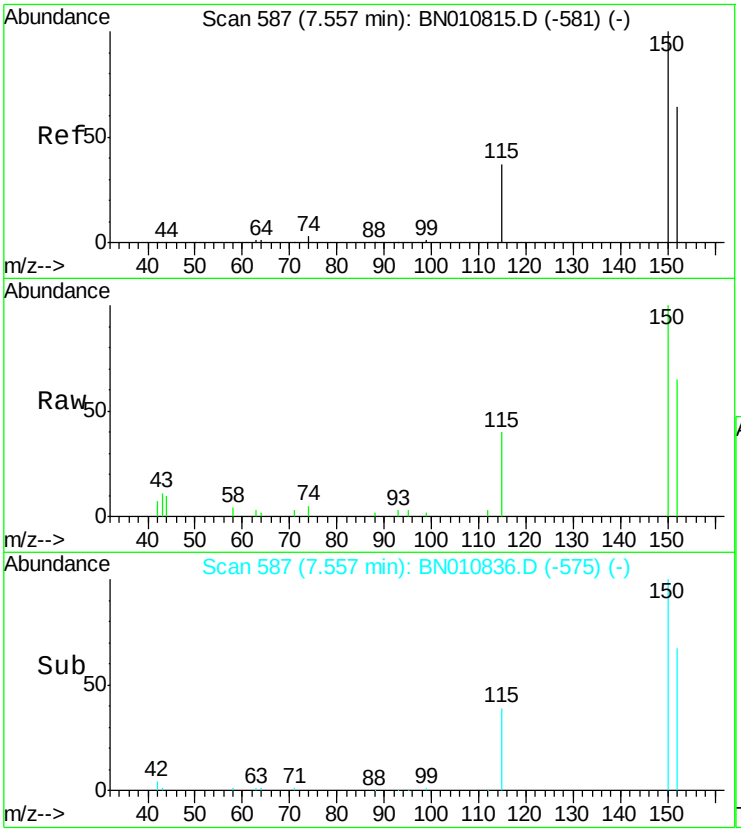
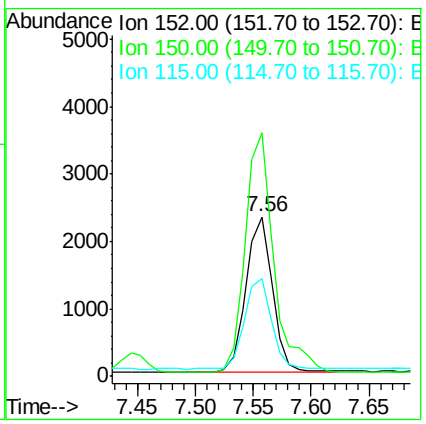




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.56 min Scan# 587
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:152 Resp: 3622

Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.6
115	61.4	49.2	73.8



Instrument :
BNA_N
ClientSampleId :
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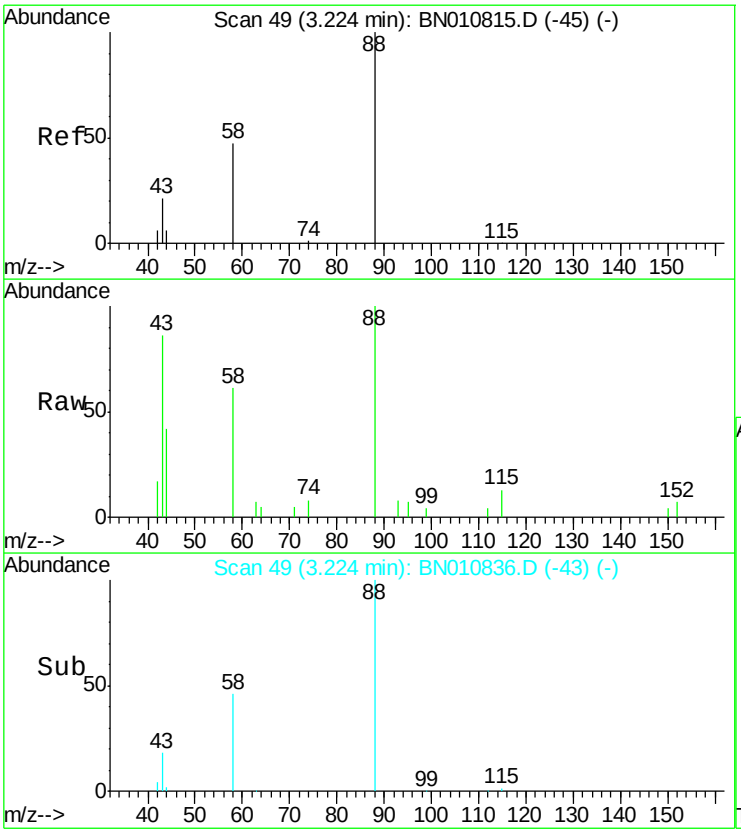
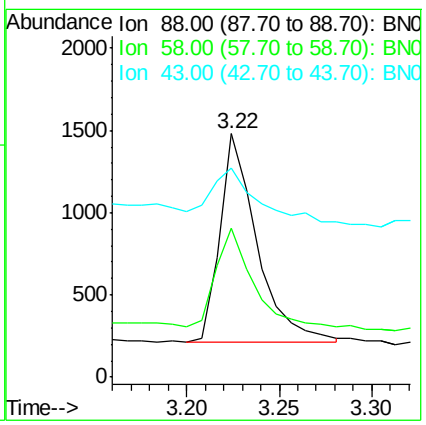
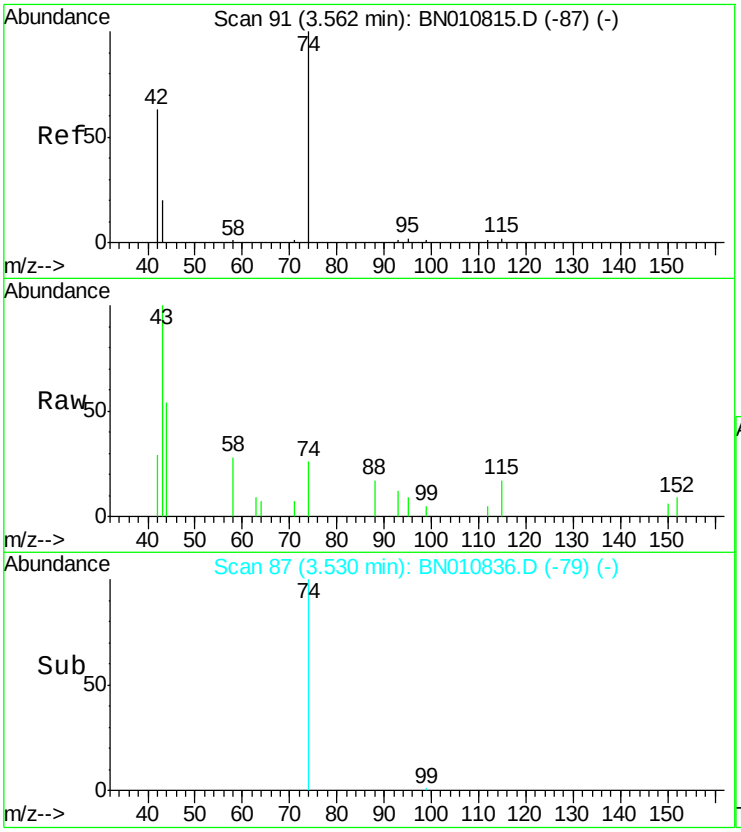


#2
1,4-Dioxane
Concen: 0.495 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion: 88 Resp: 1757

Ion	Ratio	Lower	Upper
88	100		
58	47.3	38.2	57.4
43	34.7	15.1	22.7#

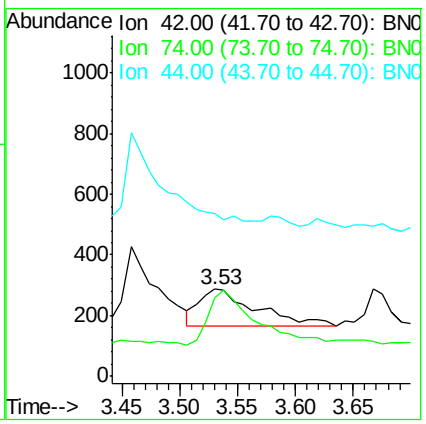




#3
n-Nitrosodimethylamine
Concen: 0.195 ng
RT: 3.53 min Scan# 87
Delta R.T. -0.03 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion: 42 Resp: 403

Ion	Ratio	Lower	Upper
42	100		
74	131.0	140.7	211.1#
44	0.0	1.4	2.2#



Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

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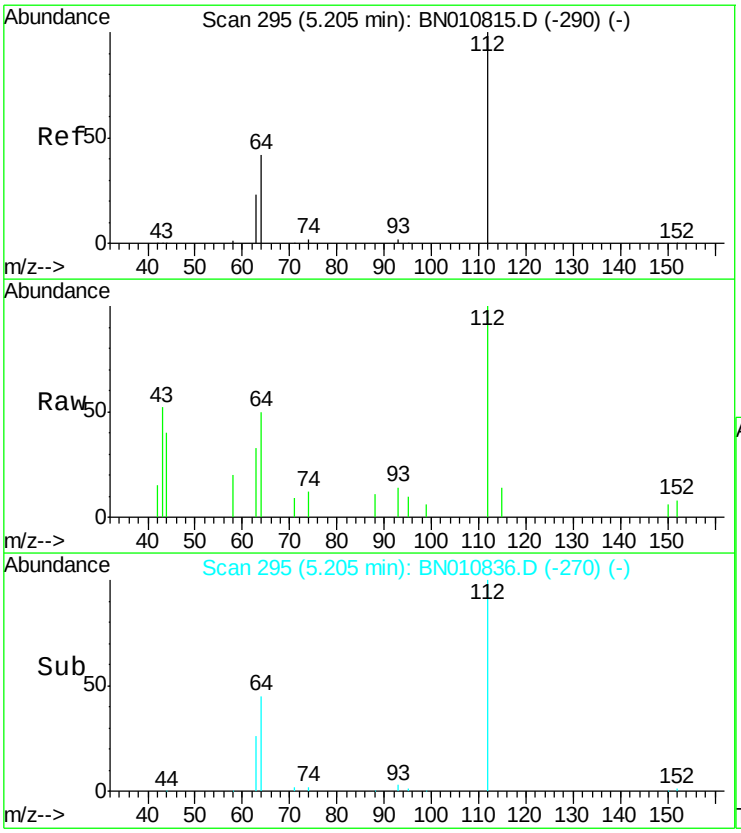
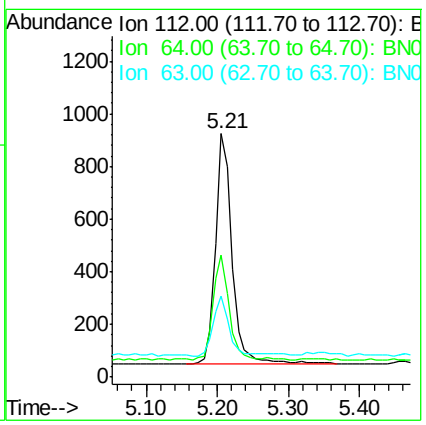
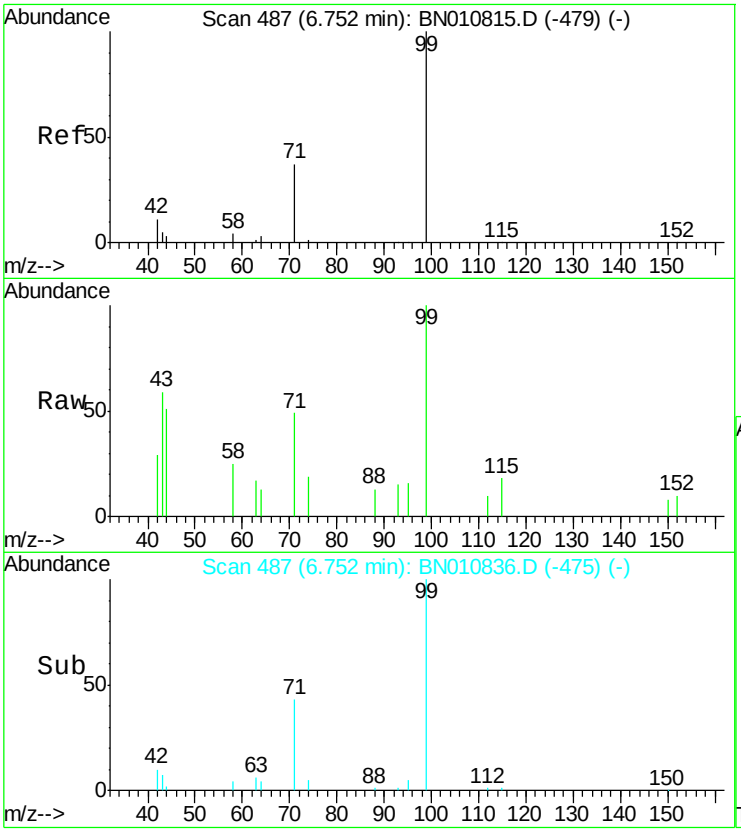


#4
2-Fluorophenol
Concen: 0.205 ng
RT: 5.21 min Scan# 295
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:112 Resp: 1435

Ion	Ratio	Lower	Upper
112	100		
64	43.8	37.4	56.0
63	24.0	22.2	33.4





#5
Phenol-d6
Concen: 0.129 ng
RT: 6.75 min Scan# 487
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion: 99 Resp: 1063

Ion	Ratio	Lower	Upper
99	100		
42	26.1	11.1	16.7#
71	50.8	31.4	47.2#

Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

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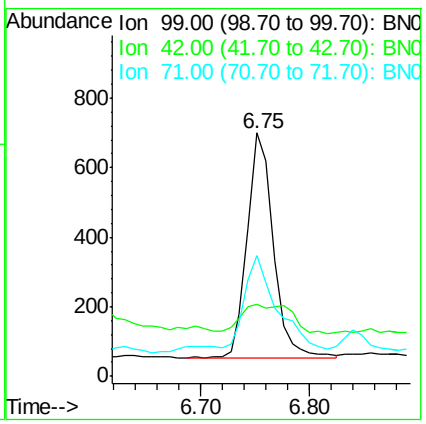
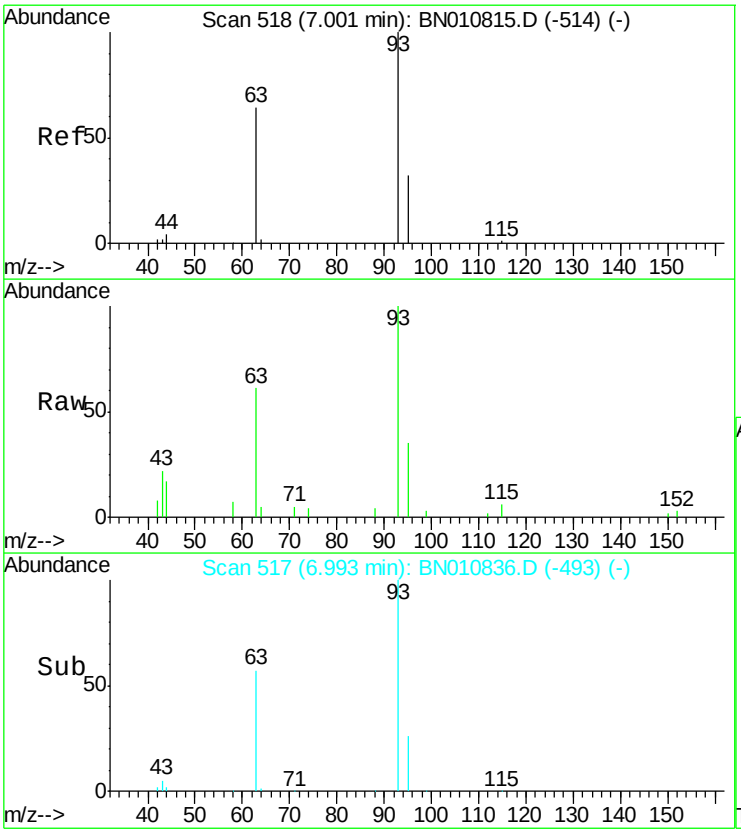
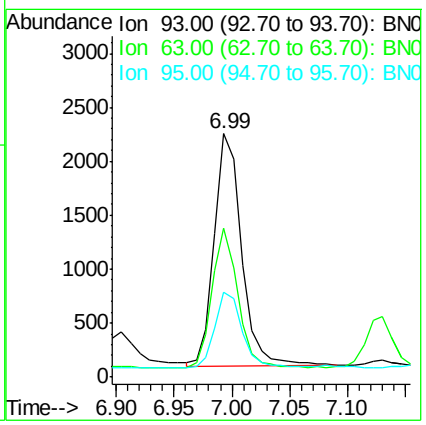


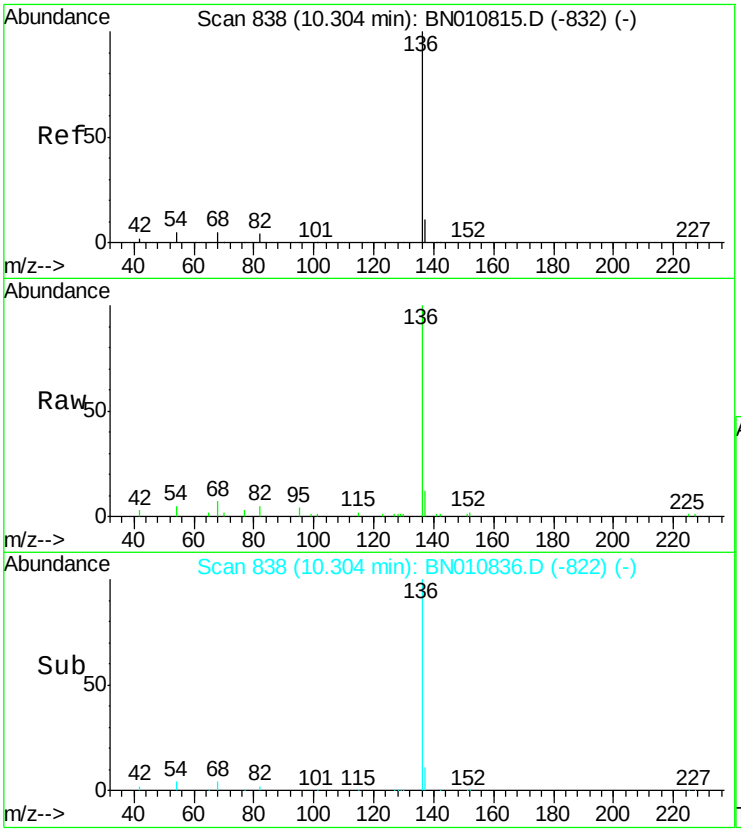


#6
bis(2-Chloroethyl)ether
Concen: 0.442 ng
RT: 6.99 min Scan# 517
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion: 93 Resp: 3553

Ion	Ratio	Lower	Upper
93	100		
63	56.9	49.4	74.2
95	33.6	26.7	40.1

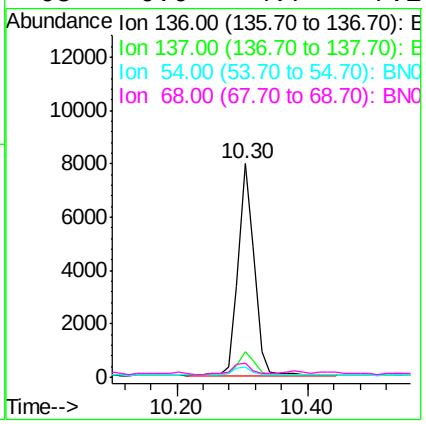




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:136 Resp: 13635

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	4.8	4.9	7.3#
68	6.6	4.7	7.1



Instrument :
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ClientSampleId :
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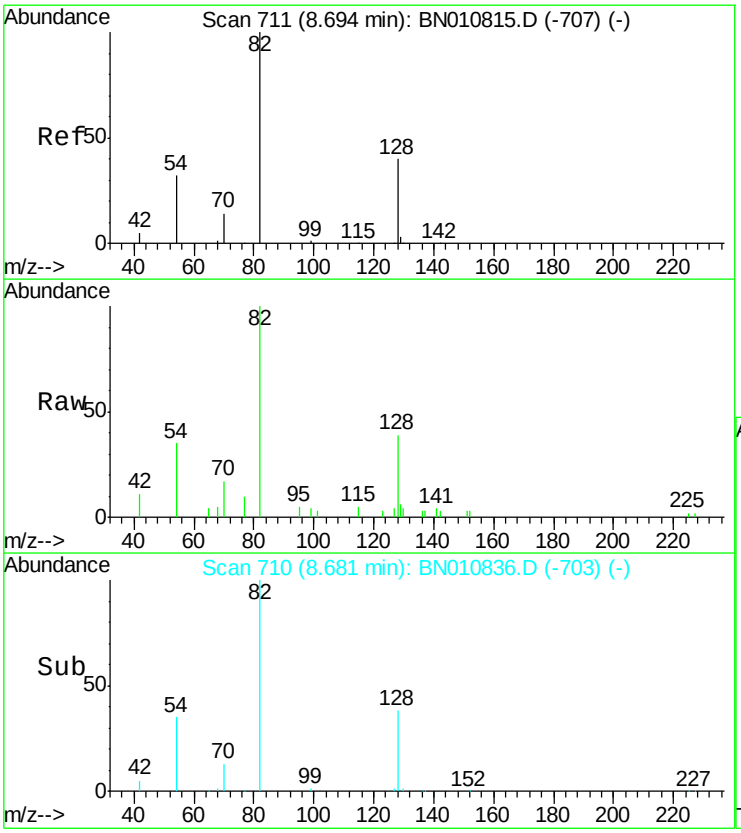
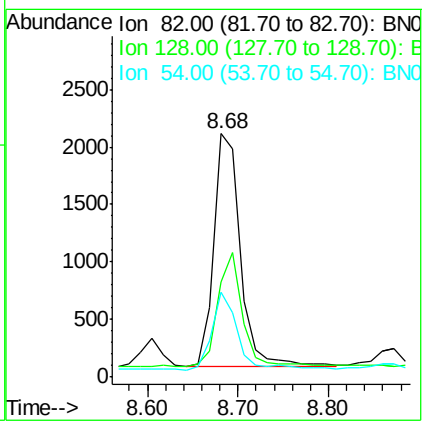
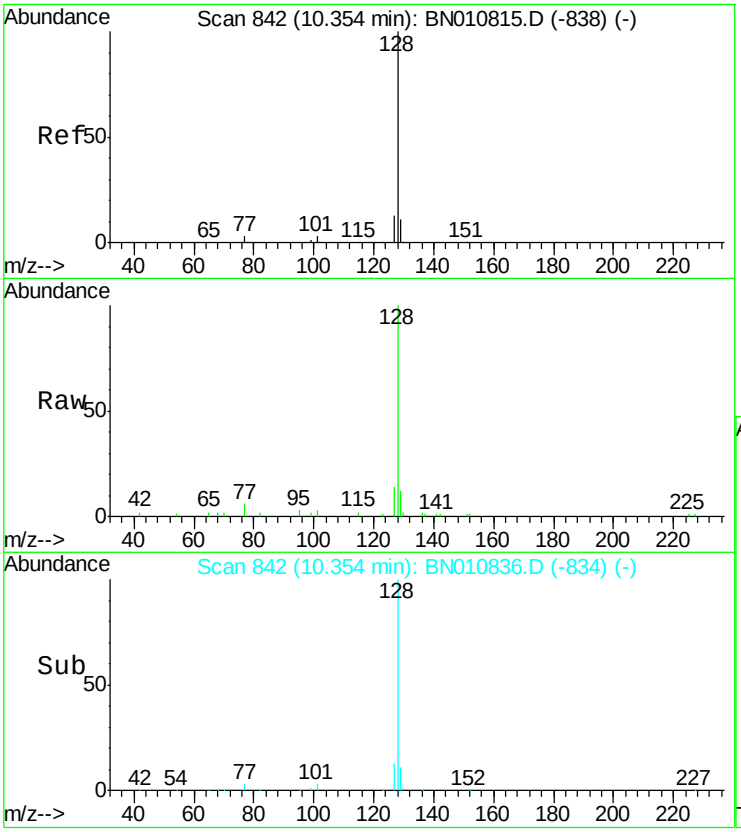


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.68 min Scan# 710
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion: 82 Resp: 4139

Ion	Ratio	Lower	Upper
82	100		
128	39.0	35.4	53.0
54	34.7	28.2	42.4

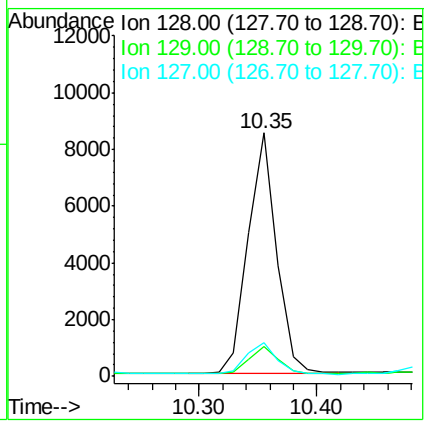




#9
Naphthalene
Concen: 0.419 ng
RT: 10.35 min Scan# 842
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:128 Resp: 14366

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	13.8	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
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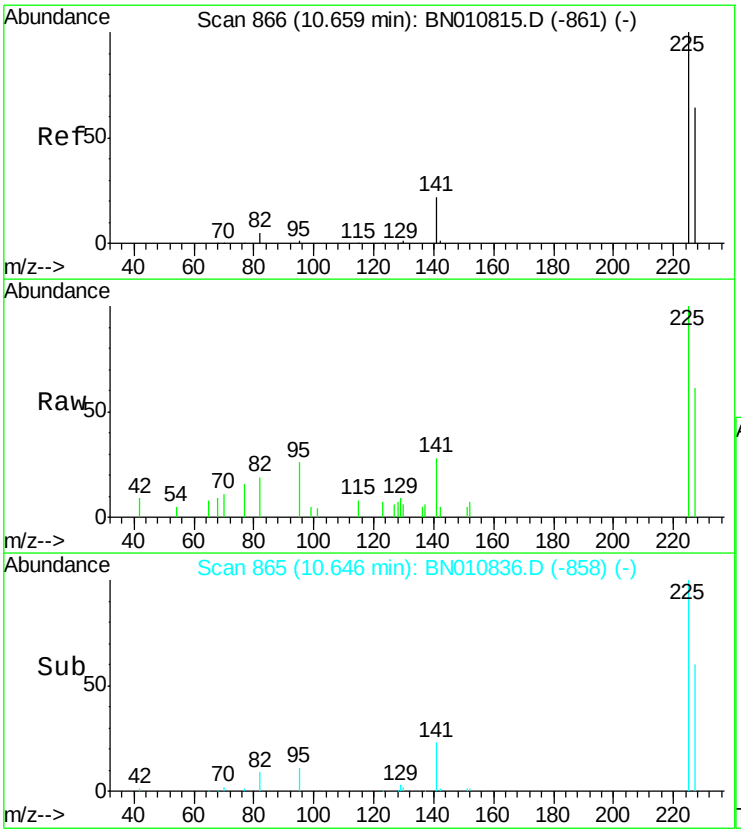
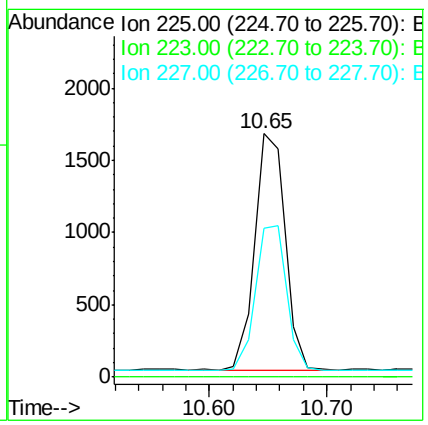
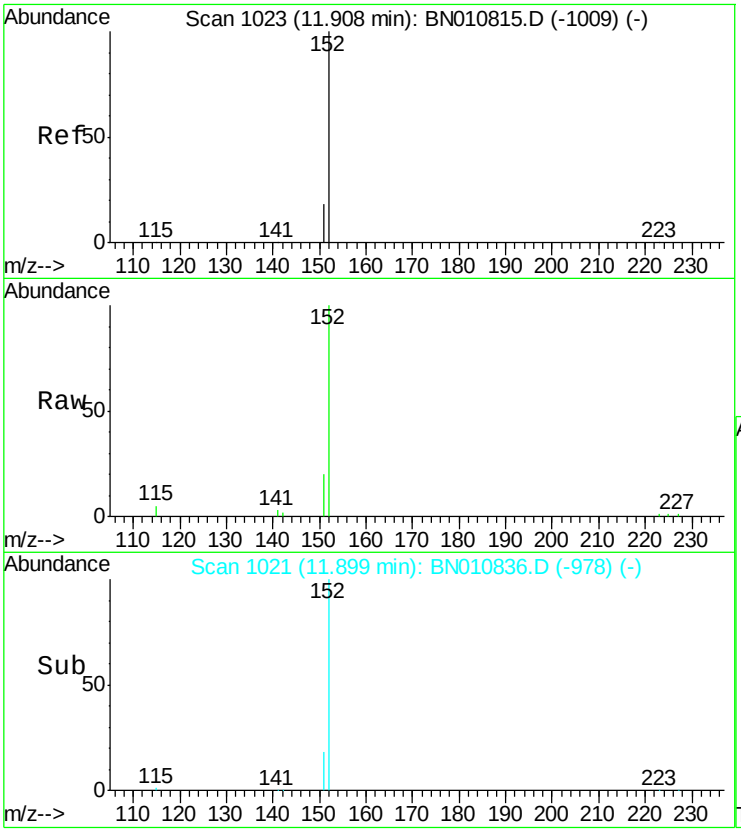


#10
Hexachlorobutadiene
Concen: 0.350 ng
RT: 10.65 min Scan# 865
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:225 Resp: 2961

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.6	50.5	75.7

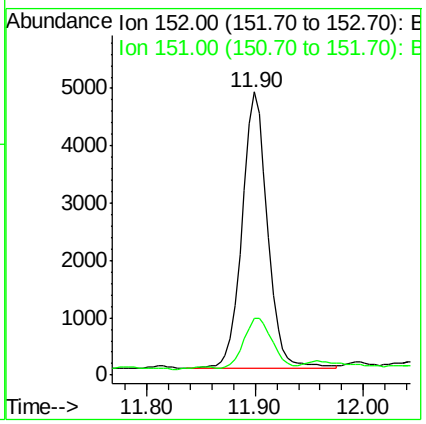




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 11.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:152 Resp: 7953

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.3	22.9



Instrument :
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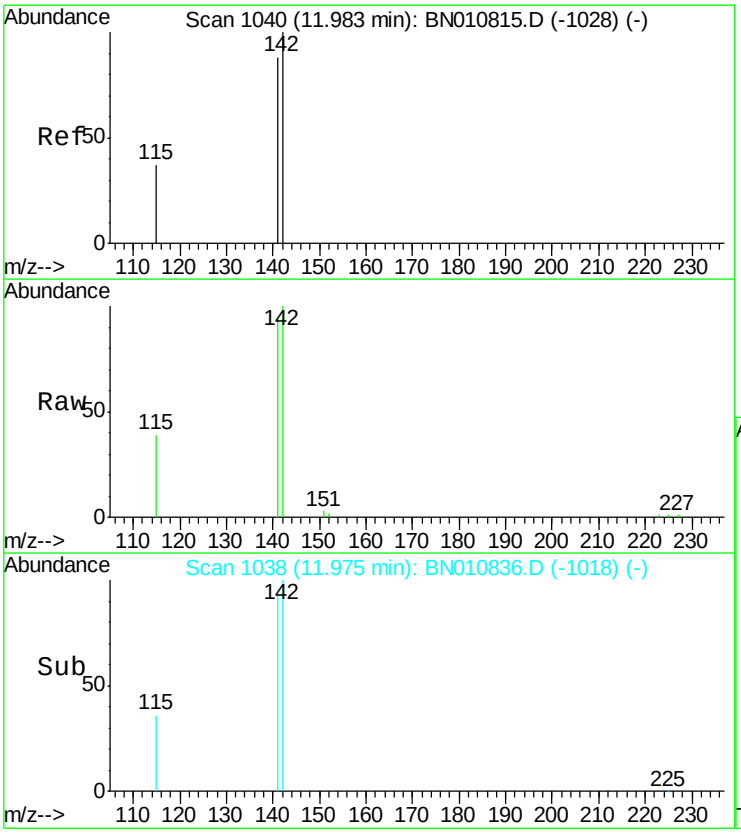
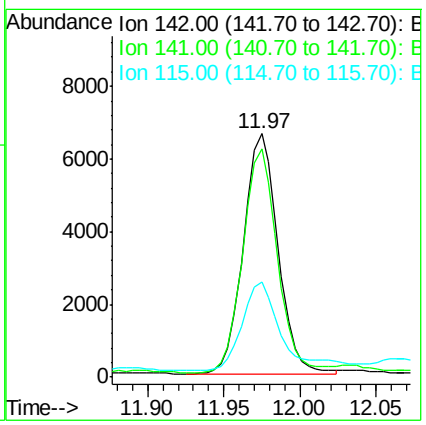
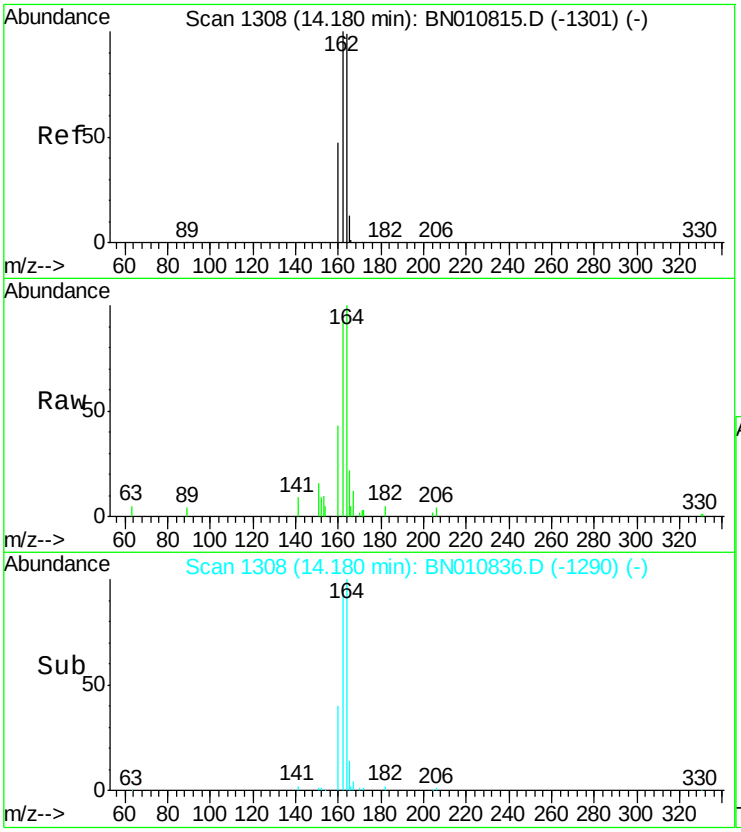


#12
2-Methylnaphthalene
Concen: 0.455 ng
RT: 11.97 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:142 Resp: 10441

Ion	Ratio	Lower	Upper
142	100		
141	93.8	70.8	106.2
115	38.9	31.5	47.3

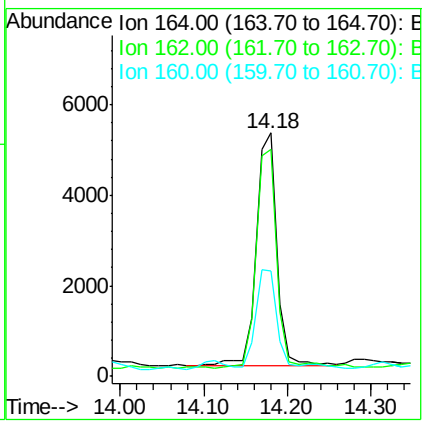




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.18 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:164 Resp: 8810

Ion	Ratio	Lower	Upper
164	100		
162	93.2	81.0	121.6
160	43.1	38.9	58.3



Instrument :
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ClientSampleId :
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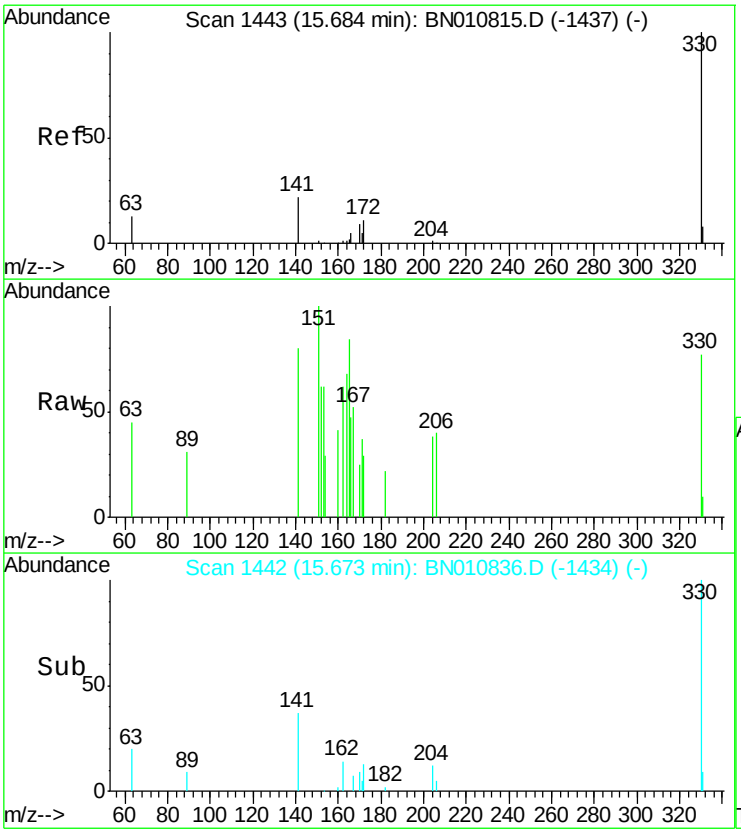
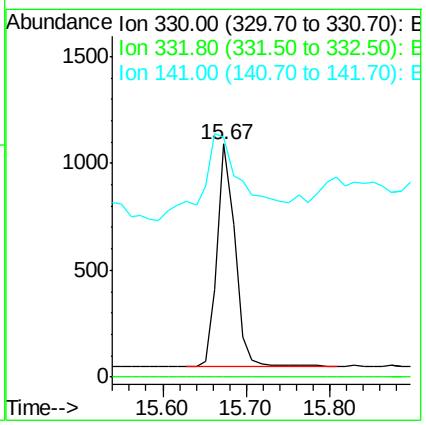
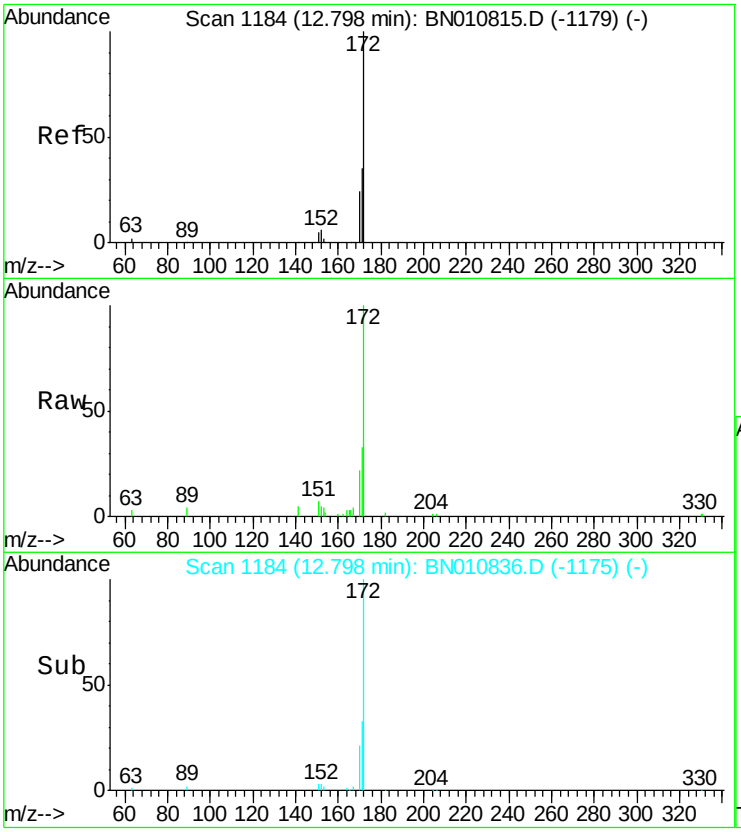


#14
2,4,6-Tribromophenol
Concen: 0.493 ng
RT: 15.67 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:330 Resp: 1555

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	61.9	33.2	49.8#

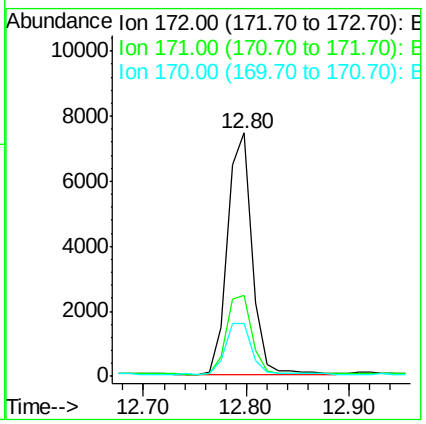




#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 12.80 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:172 Resp: 12218

Ion	Ratio	Lower	Upper
172	100		
171	33.3	28.5	42.7
170	21.9	19.7	29.5



Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

Manual Integrations APPROVED
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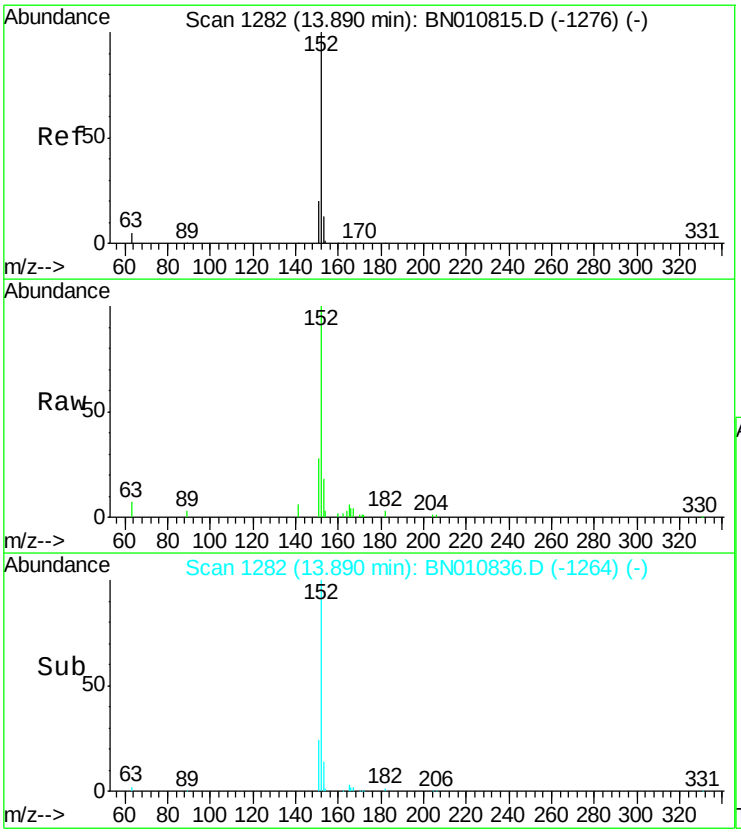
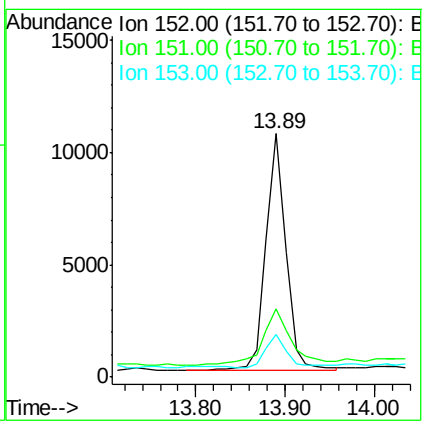
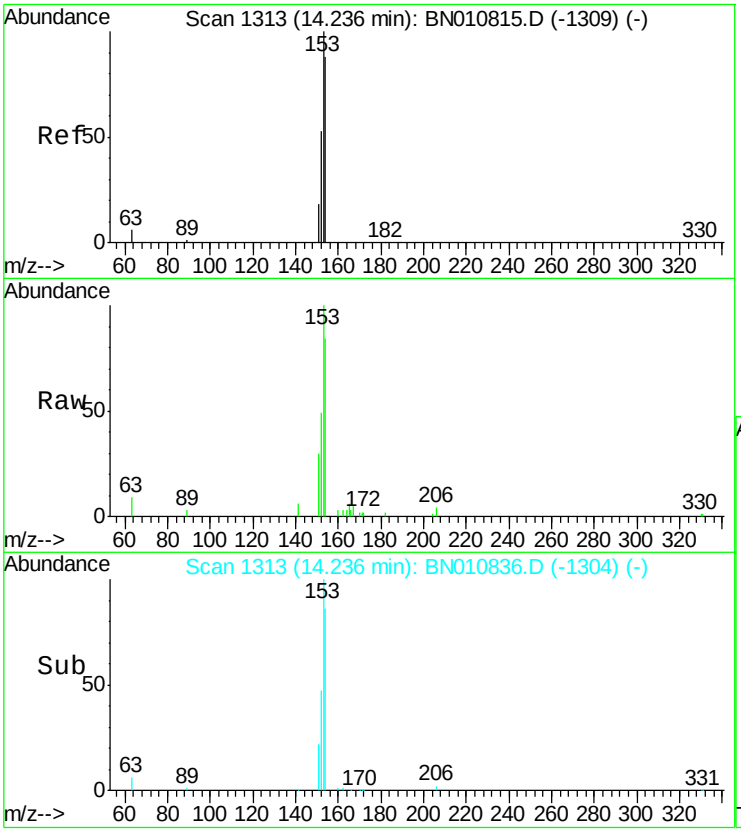


#16
Acenaphthylene
Concen: 0.458 ng
RT: 13.89 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:152 Resp: 16515

Ion	Ratio	Lower	Upper
152	100		
151	33.2	15.6	23.4#
153	14.9	10.6	16.0

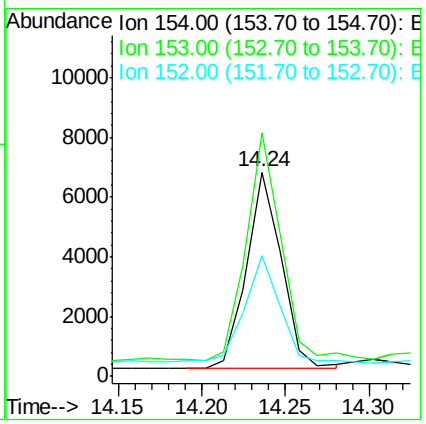




#17
Acenaphthene
Concen: 0.390 ng
RT: 14.24 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:154 Resp: 9597

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.8	137.6
152	55.6	47.6	71.4



Instrument :
BNA_N
ClientSampleId :
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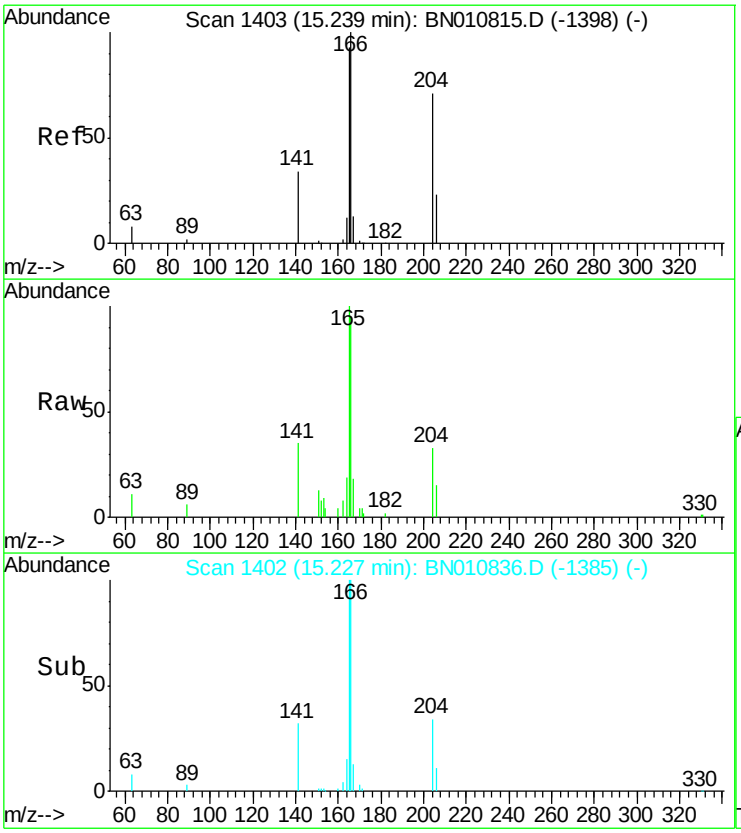
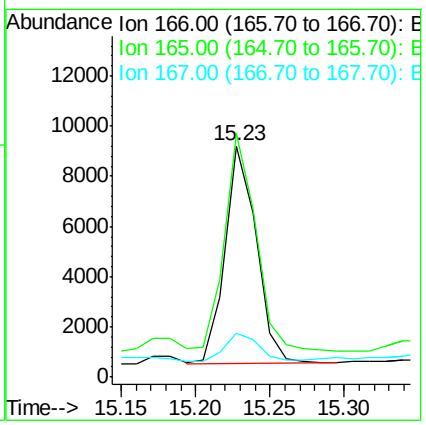
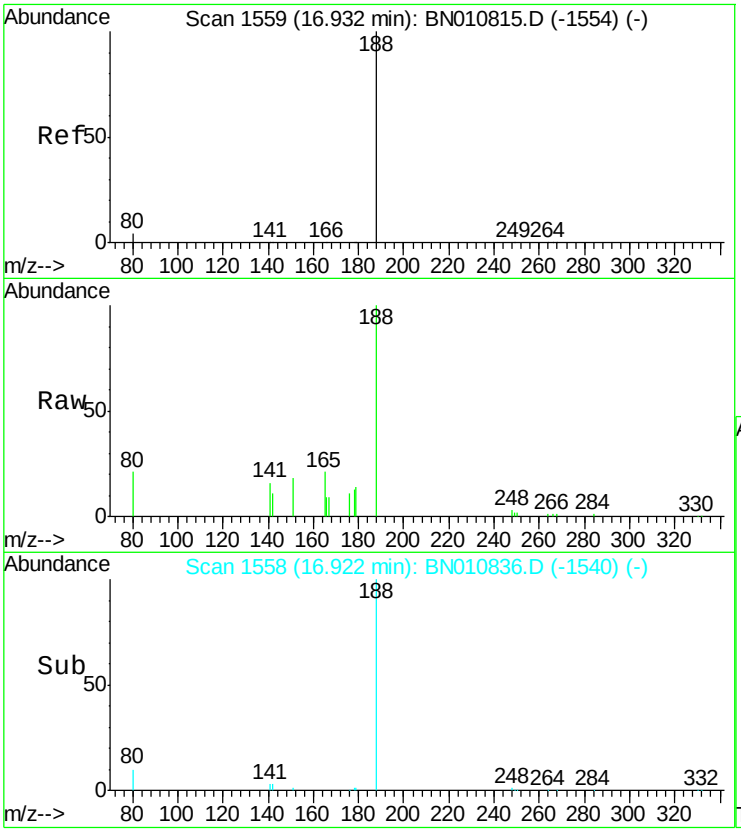


#18
Fluorene
Concen: 0.403 ng
RT: 15.23 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:166 Resp: 12778

Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.2	115.8
167	14.1	10.7	16.1

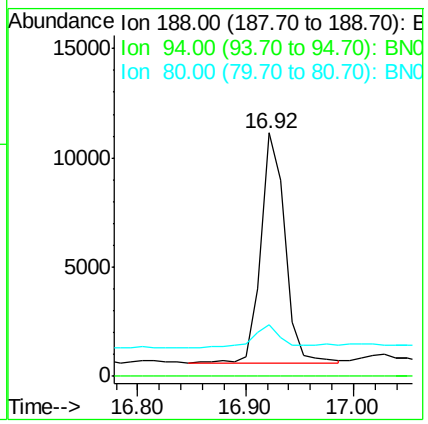




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:188 Resp: 16419

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	21.1	4.5	6.7#



Instrument :
BNA_N
ClientSampleId :
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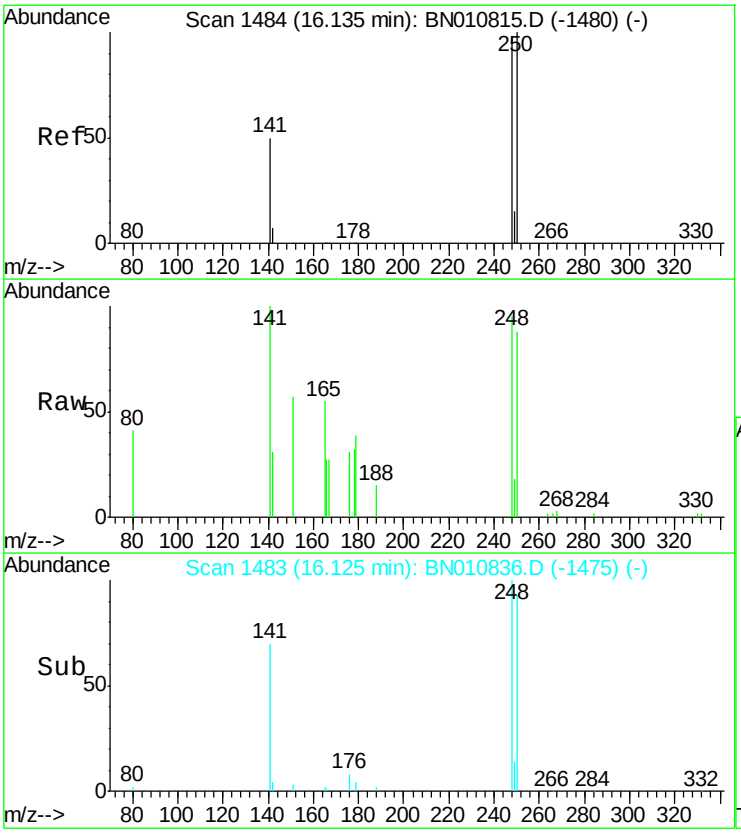
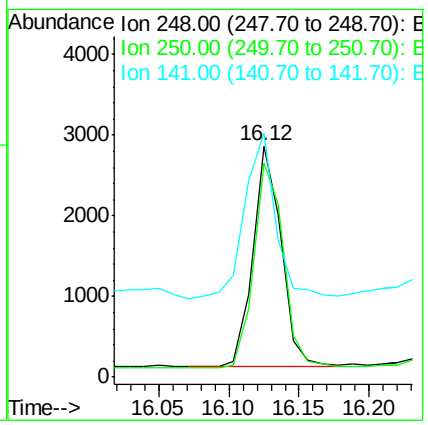
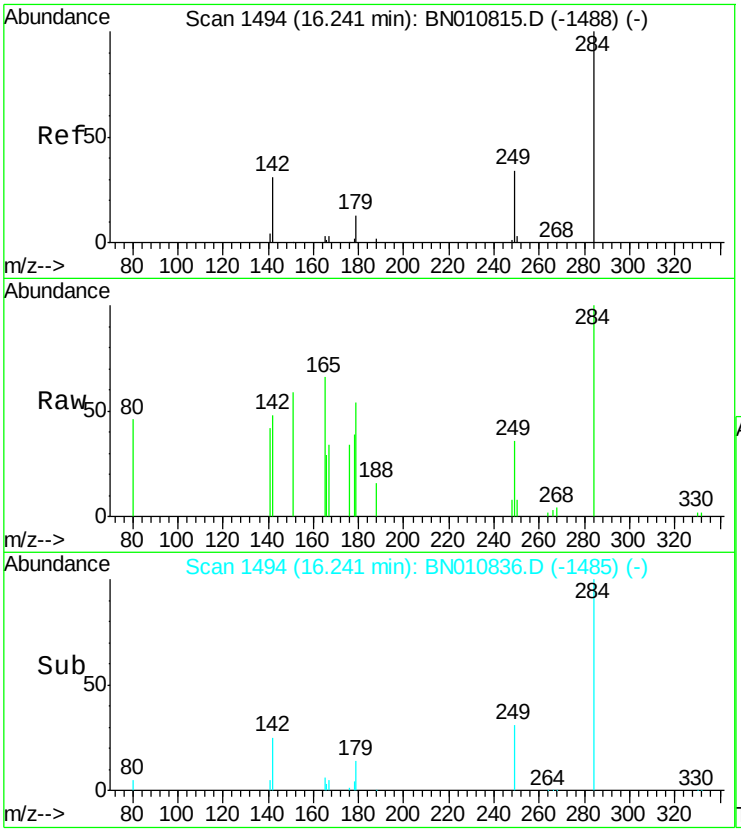


#20
4-Bromophenyl-phenylether
Concen: 0.392 ng
RT: 16.12 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:248 Resp: 3869

Ion	Ratio	Lower	Upper
248	100		
250	92.4	81.8	122.8
141	105.3	42.6	64.0#

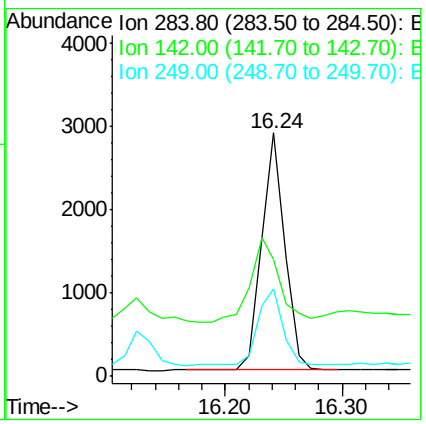




#21
Hexachlorobenzene
Concen: 0.381 ng
RT: 16.24 min Scan# 1494
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:284 Resp: 3924

Ion	Ratio	Lower	Upper
284	100		
142	43.9	31.0	46.4
249	34.7	27.1	40.7



Instrument :
BNA_N
ClientSampleId :
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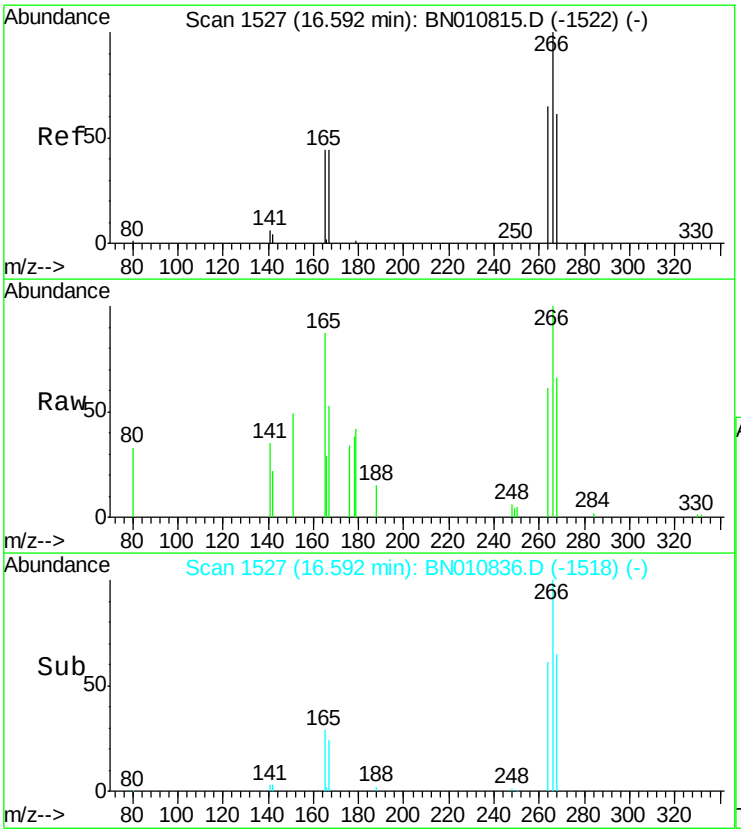
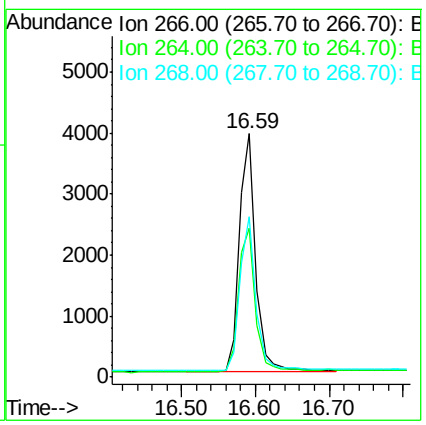
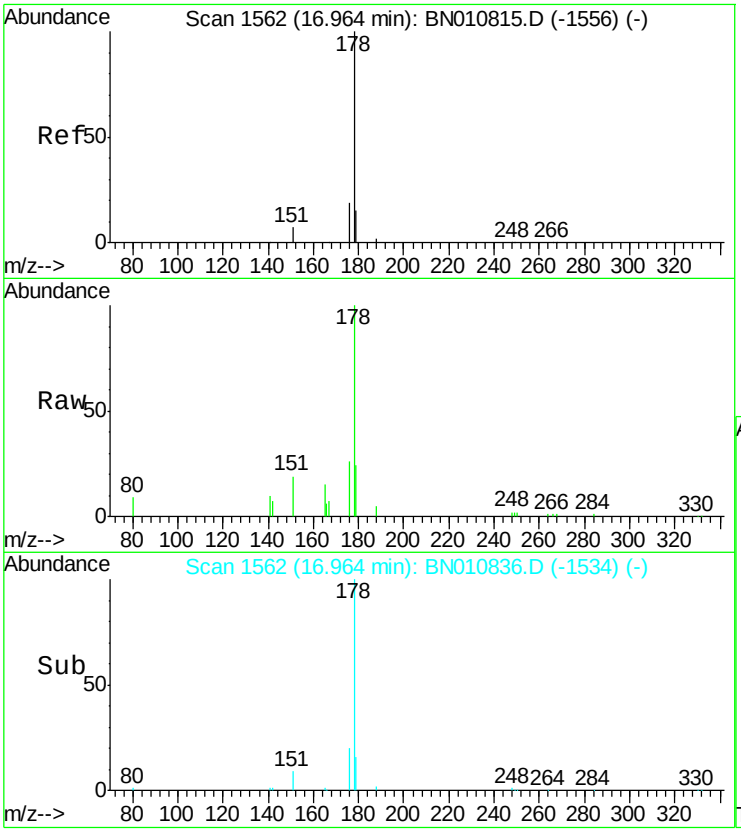


#22
Pentachlorophenol
Concen: 1.757 ng
RT: 16.59 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:266 Resp: 6072

Ion	Ratio	Lower	Upper
266	100		
264	61.4	54.8	82.2
268	66.1	55.9	83.9

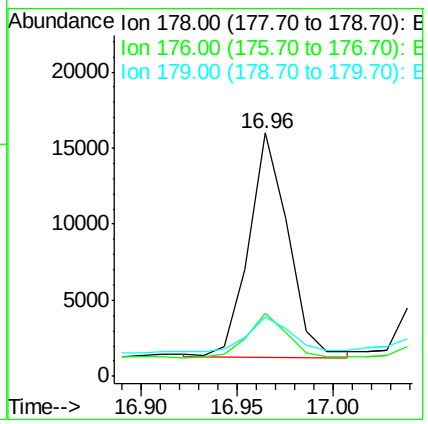




#23
Phenanthrene
Concen: 0.469 ng m
RT: 16.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:178 Resp: 21050

Ion	Ratio	Lower	Upper
178	100		
176	26.1	15.3	22.9#
179	23.4	12.6	19.0#



Instrument :
BNA_N
ClientSampleId :
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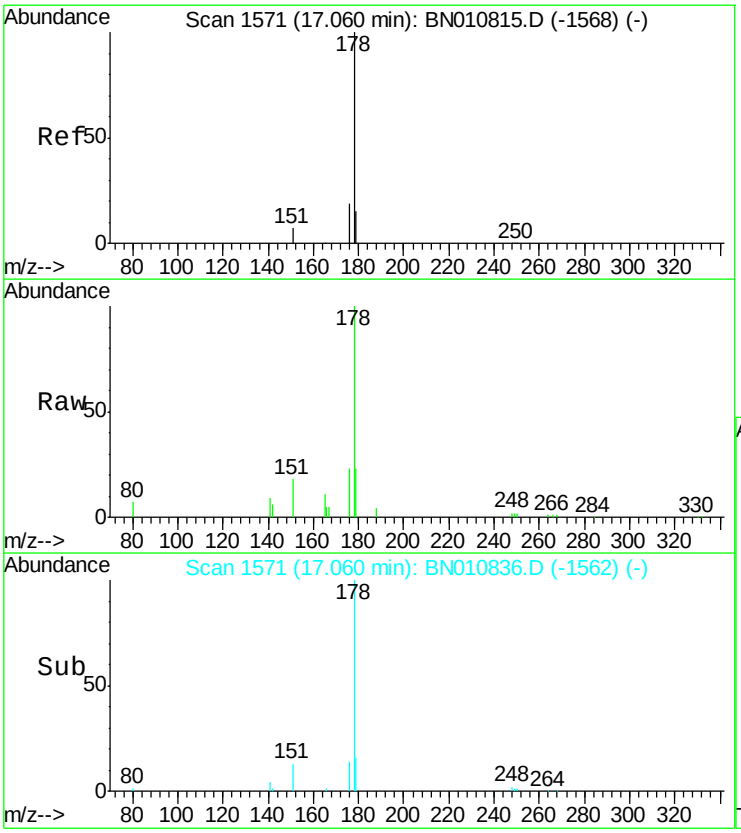
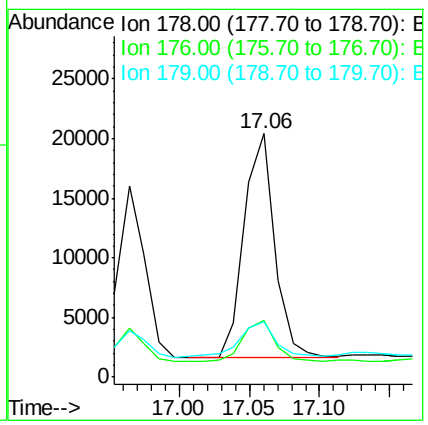
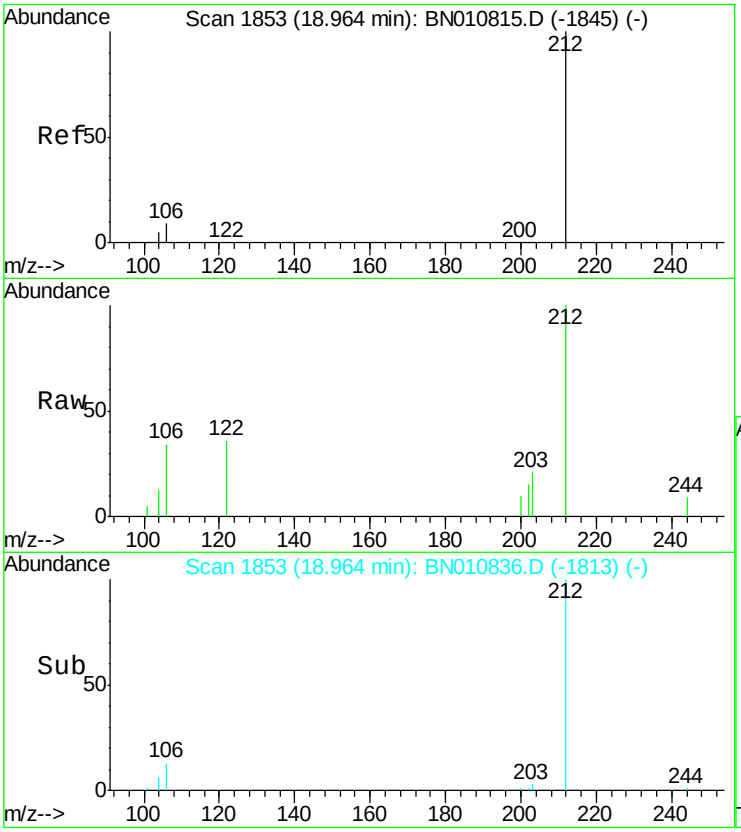


#24
Anthracene
Concen: 0.765 ng
RT: 17.06 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:178 Resp: 28658

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	22.0
179	16.4	12.3	18.5





#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 18.96 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:212 Resp: 17801

Ion	Ratio	Lower	Upper
212	100		
106	13.3	6.6	10.0#
104	6.8	4.0	6.0#

Instrument :
BNA_N
ClientSampleId :
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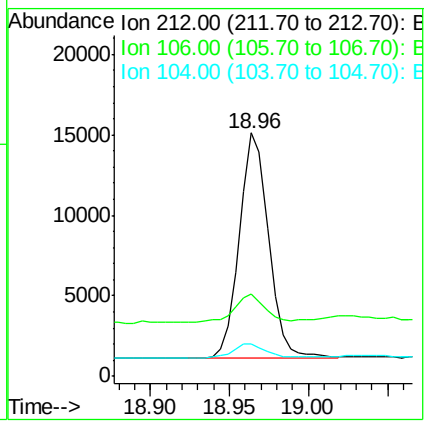
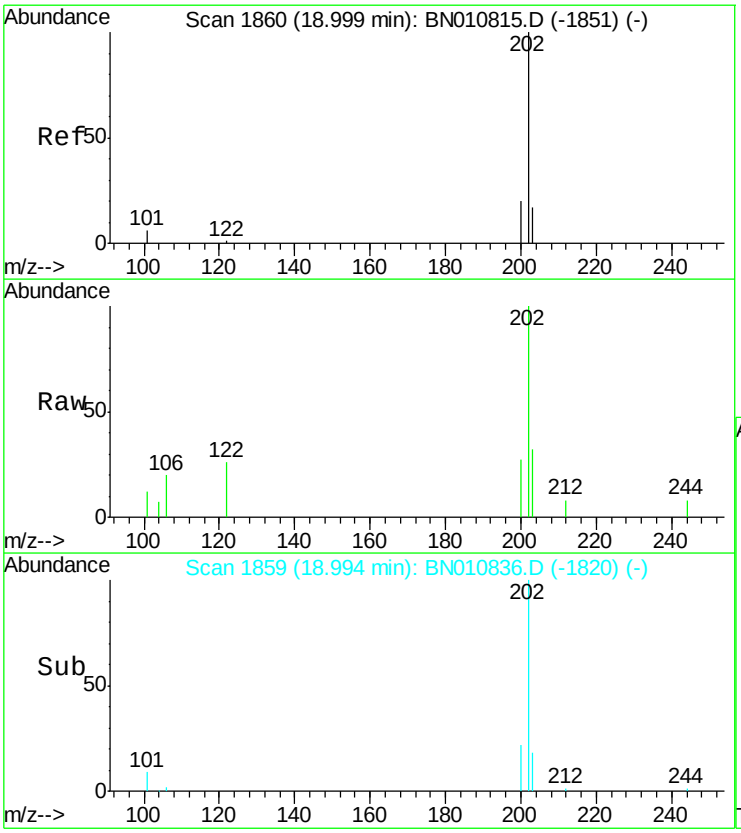
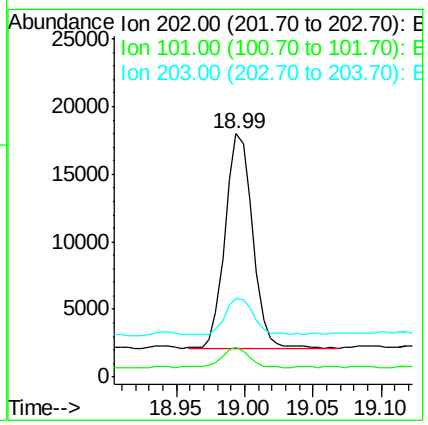


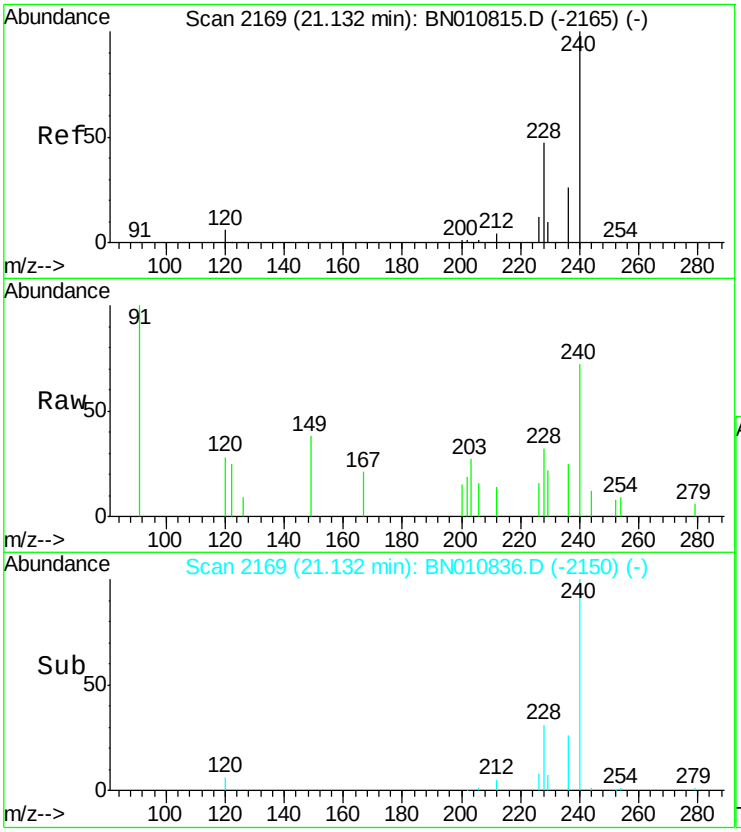


#26
Fluoranthene
Concen: 0.430 ng
RT: 18.99 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:202 Resp: 21915

Ion	Ratio	Lower	Upper
202	100		
101	9.5	5.8	8.6#
203	17.7	13.7	20.5

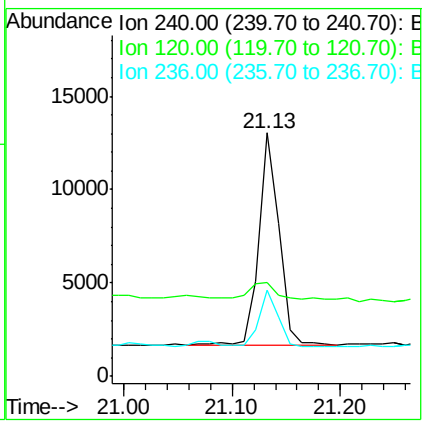




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:240 Resp: 14452

Ion	Ratio	Lower	Upper
240	100		
120	38.6	7.5	11.3#
236	35.4	22.3	33.5#



Instrument :
BNA_N
ClientSampleId :
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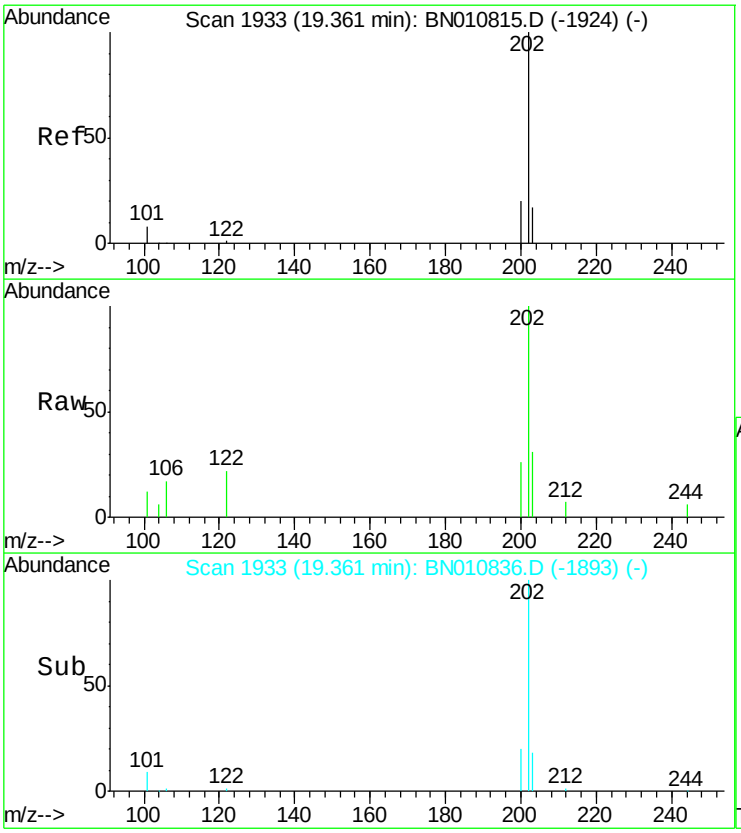
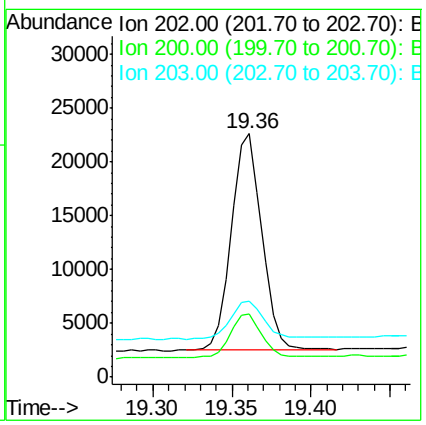
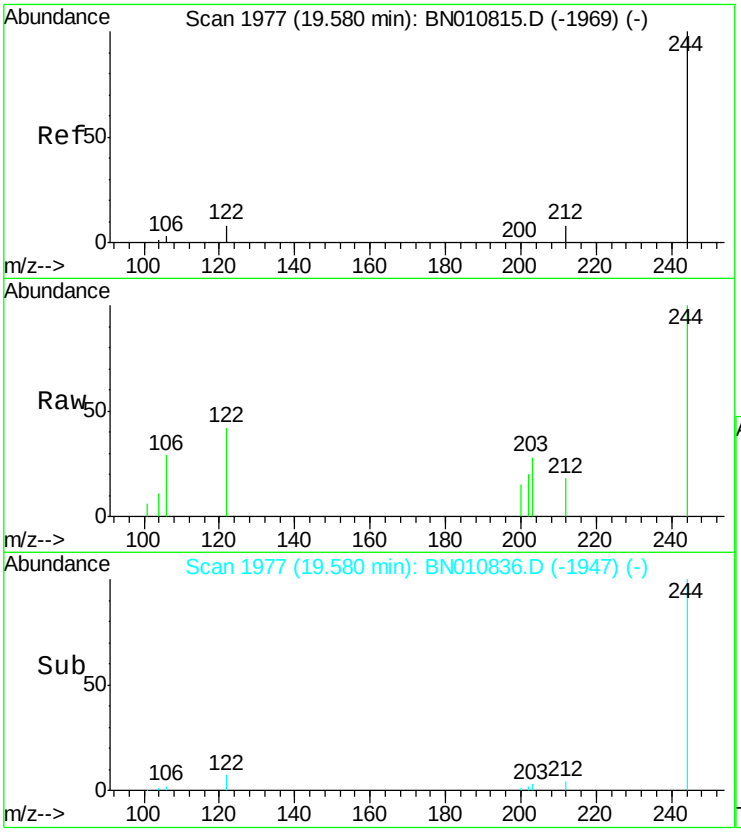


#28
Pyrene
Concen: 0.568 ng
RT: 19.36 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:202 Resp: 27146

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.4	24.6
203	19.9	14.2	21.4





#29
Terphenyl-d14
Concen: 0.457 ng
RT: 19.58 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:244 Resp: 15454

Ion	Ratio	Lower	Upper
244	100		
212	18.1	7.4	11.2#
122	42.1	7.5	11.3#

Instrument :
BNA_N
ClientSampleId :
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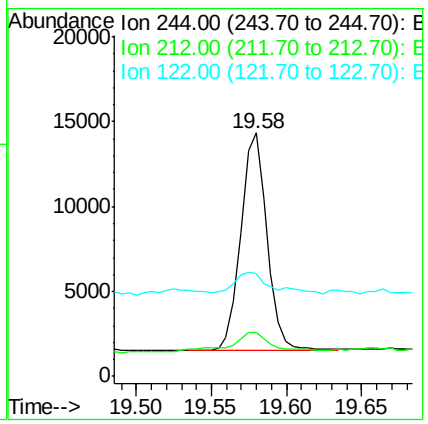
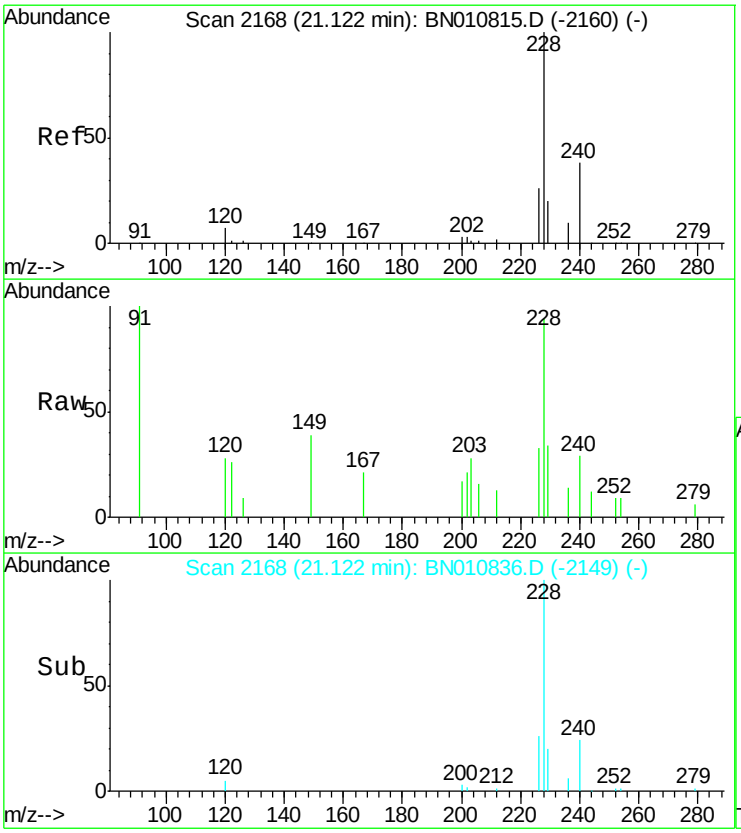
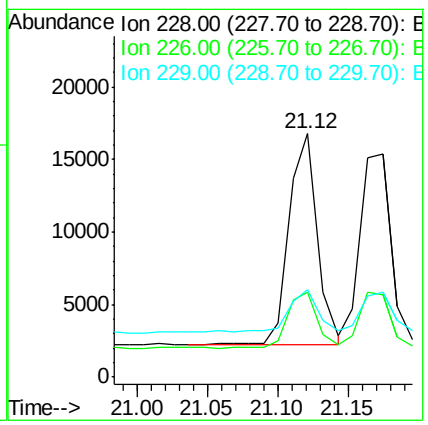


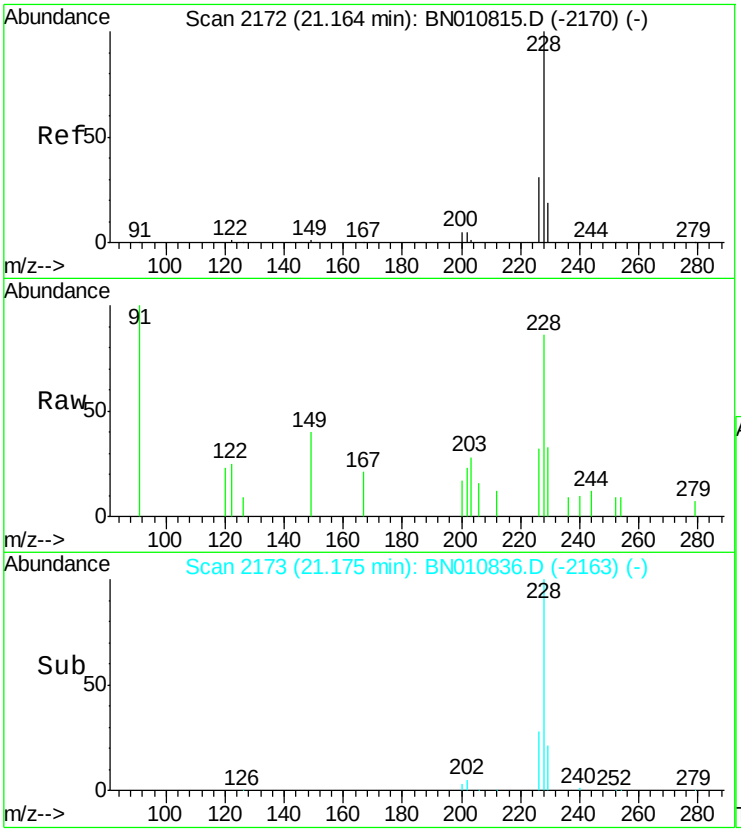


#30
Benzo(a)anthracene
Concen: 0.480 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:228 Resp: 20388

Ion	Ratio	Lower	Upper
228	100		
226	34.7	21.3	31.9#
229	35.7	16.6	24.8#





#31
Chrysene
Concen: 0.406 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:228 Resp: 20107

Ion	Ratio	Lower	Upper
228	100		
226	37.1	25.0	37.6
229	38.2	16.1	24.1#

Instrument :
BNA_N
ClientSampleId :
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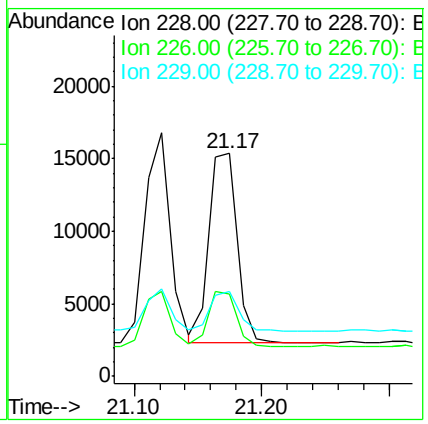
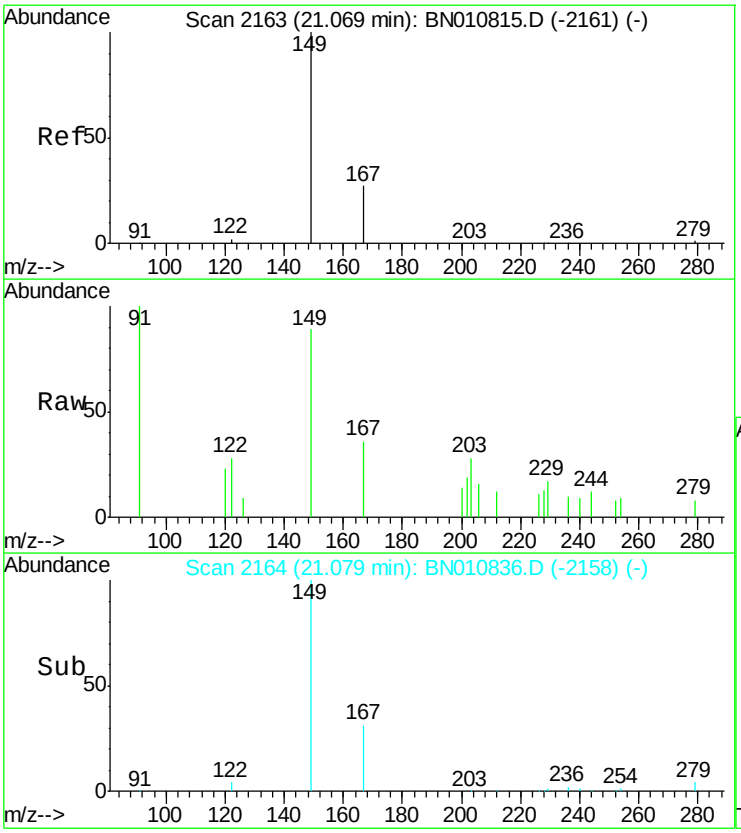
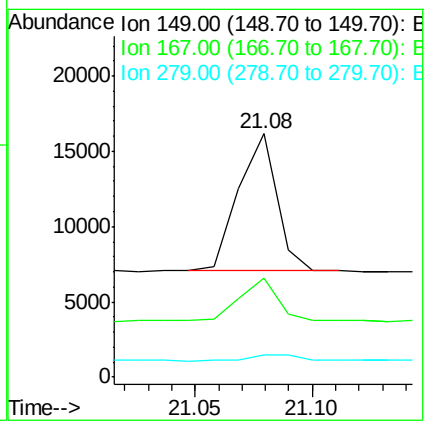


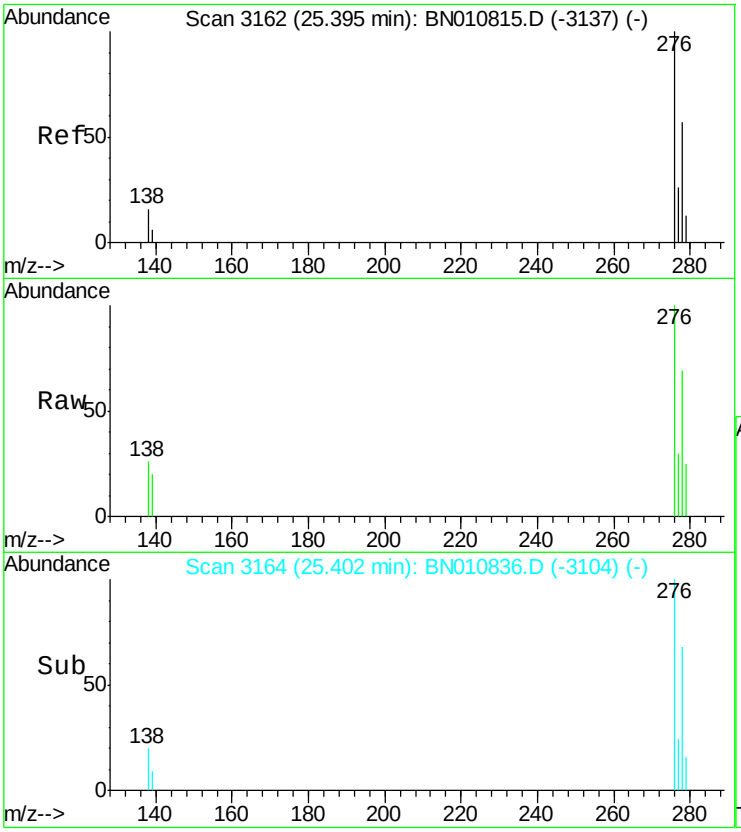


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.732 ng
RT: 21.08 min Scan# 2164
Delta R.T. 0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:149 Resp: 10373

Ion	Ratio	Lower	Upper
149	100		
167	30.7	24.1	36.1
279	5.1	4.6	7.0





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 25.40 min Scan# 3164
Delta R.T. 0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:276 Resp: 20066

Ion	Ratio	Lower	Upper
276	100		
138	20.9	13.0	19.6#
277	24.9	19.7	29.5

Instrument :
BNA_N
ClientSampleId :
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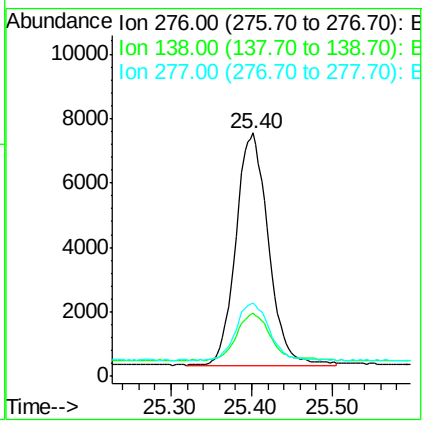
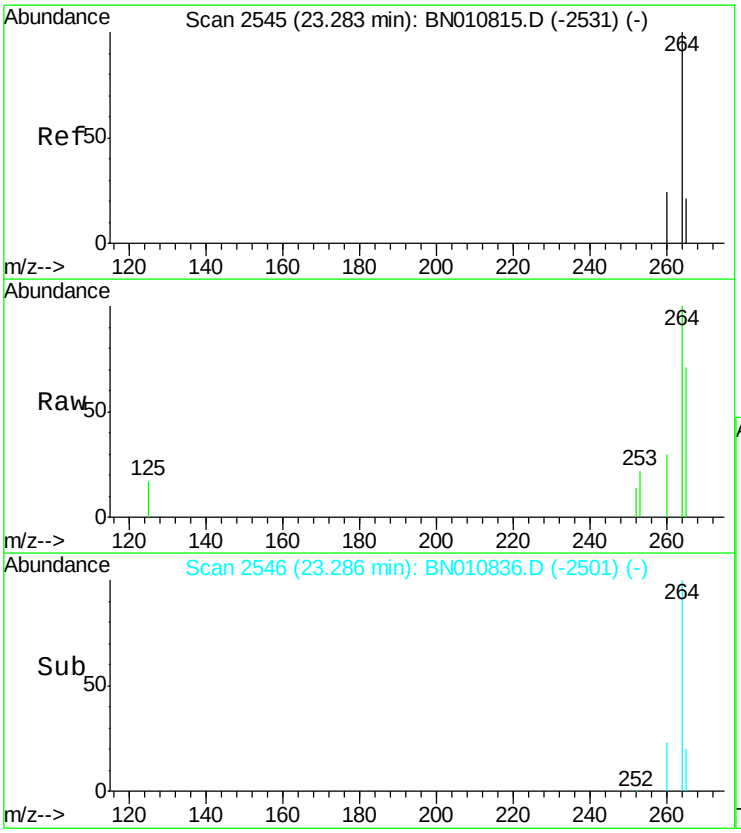
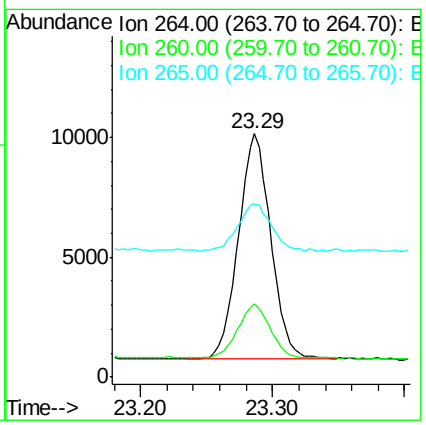


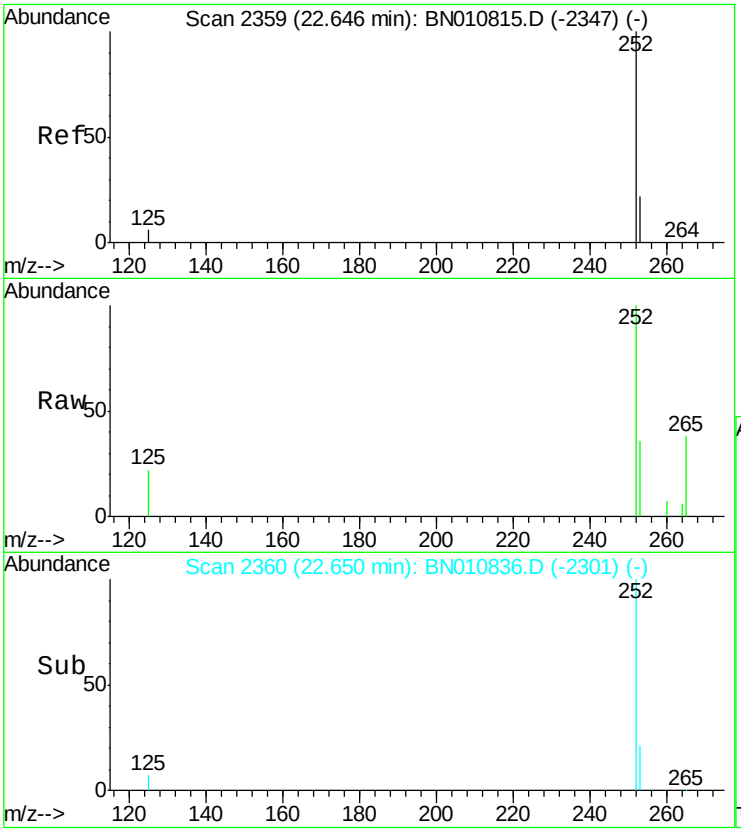


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.29 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:264 Resp: 16055

Ion	Ratio	Lower	Upper
264	100		
260	29.9	20.4	30.6
265	71.0	75.0	112.4#





#35
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 22.65 min Scan# 2360
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:252 Resp: 19270

Ion	Ratio	Lower	Upper
252	100		
253	36.2	22.4	33.6#
125	22.0	9.4	14.0#

Instrument :
BNA_N
ClientSampleId :
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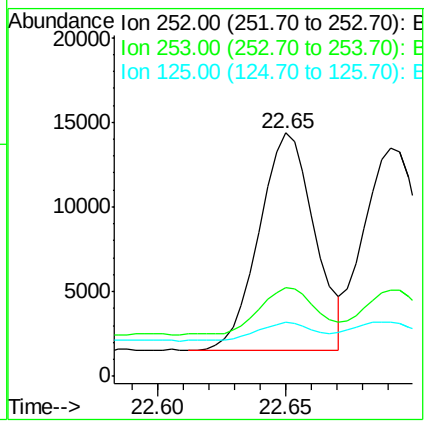
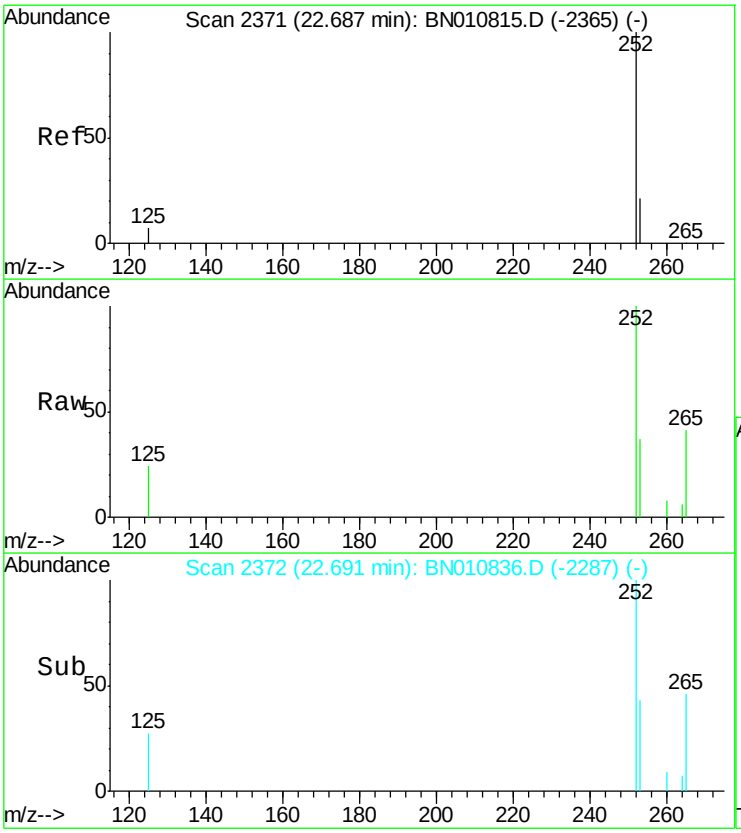
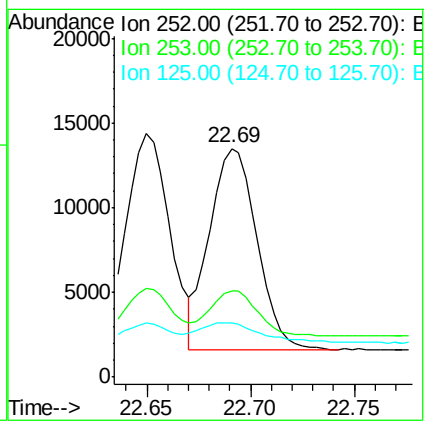


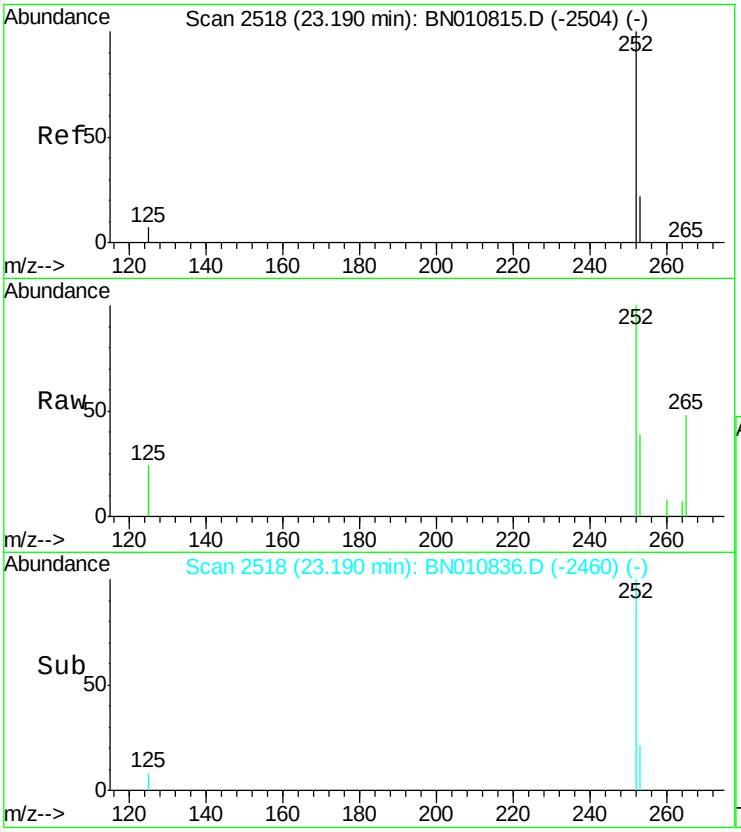


#36
Benzo(k)fluoranthene
Concen: 0.324 ng
RT: 22.69 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:252 Resp: 18869

Ion	Ratio	Lower	Upper
252	100		
253	37.5	22.2	33.4#
125	23.7	9.8	14.8#

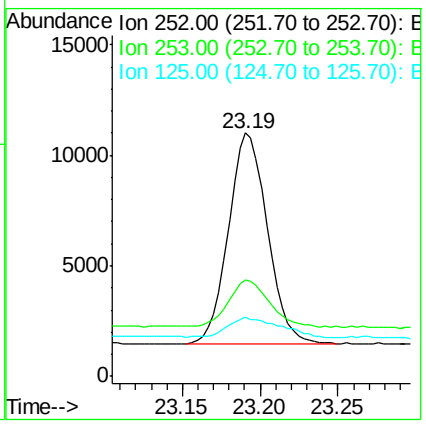




#37
Benzo(a)pyrene
Concen: 0.355 ng
RT: 23.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:252 Resp: 16633

Ion	Ratio	Lower	Upper
252	100		
253	39.4	25.8	38.8#
125	24.2	12.4	18.6#



Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

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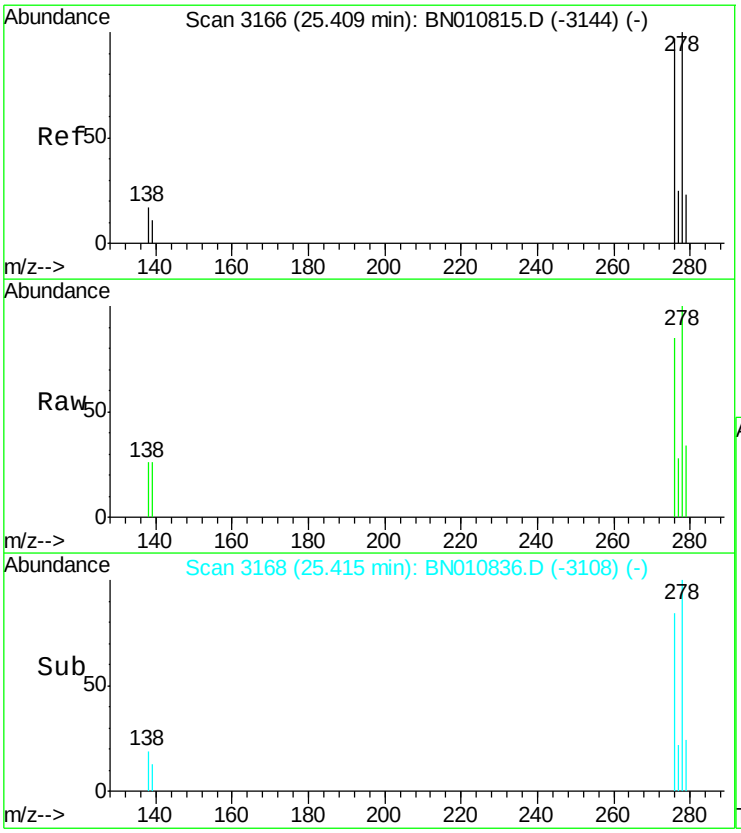
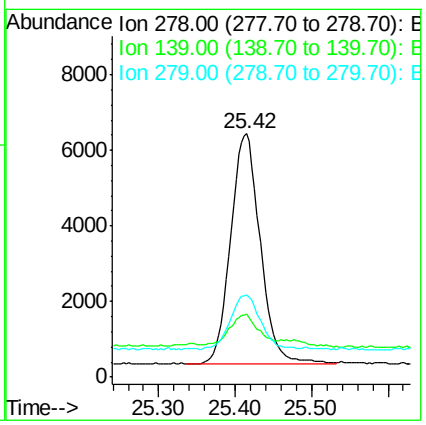
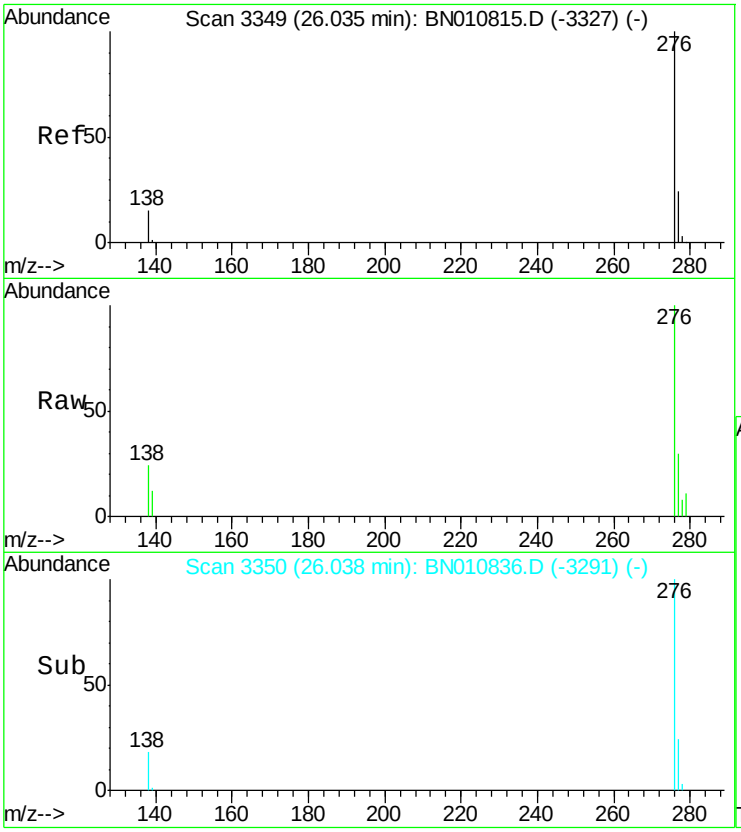


#38
Dibenzo(a,h)anthracene
Concen: 0.307 ng
RT: 25.42 min Scan# 3168
Delta R.T. 0.01 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:278 Resp: 16418

Ion	Ratio	Lower	Upper
278	100		
139	25.7	10.6	15.8#
279	34.1	23.6	35.4

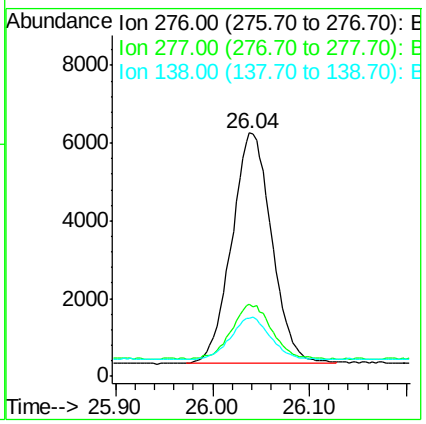




#39
Benzo(g,h,i)perylene
Concen: 0.305 ng
RT: 26.04 min Scan# 3350
Delta R.T. 0.00 min
Lab File: BN010836.D
Acq: 11 Jun 2020 12:44

Tgt Ion:276 Resp: 17013

Ion	Ratio	Lower	Upper
276	100		
277	29.5	20.5	30.7
138	24.0	13.7	20.5#



Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

Manual Integrations APPROVED
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