Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\
Data File : BN011092.D
Acq On : 02 Jul 2020 18:54
Operator : CG/JU
Sample : L1955-09
Misc : MDL-WTR--02
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-WATER-02

Manual Integrations APPROVED
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7/7/2020 8:20:29 AM

Quant Time: Jul 02 19:50:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 14:12:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1626	0.40	ng		0.00
7) Naphthalene-d8	10.27	136	5205	0.40	ng		0.00
13) Acenaphthene-d10	14.14	164	2734	0.40	ng		0.01
19) Phenanthrene-d10	16.90	188	5544	0.40	ng		0.00
29) Chrysene-d12	21.11	240	4725	0.40	ng		0.00
36) Perylene-d12	23.25	264	4975	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	1697	0.42	ng		0.00
5) Phenol-d6	6.73	99	1640	0.35	ng		0.00
8) Nitrobenzene-d5	8.67	82	1389	0.31	ng		0.01
11) 2-Methylnaphthalene-d10	11.87	152	2919	0.32	ng		0.00
14) 2,4,6-Tribromophenol	15.65	330	407	0.35	ng		0.00
15) 2-Fluorobiphenyl	12.77	172	4144	0.32	ng		0.01
27) Fluoranthene-d10	18.94	212	5706	0.34	ng		0.00
31) Terphenyl-d14	19.56	244	4677	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	246	0.107	ng	#	83
3) n-Nitrosodimethylamine	3.59	42	101	0.087	ng	#	1
6) bis(2-Chloroethyl)ether	6.97	93	424	0.100	ng	#	85
9) Naphthalene	10.32	128	1552	0.100	ng	#	86
10) Hexachlorobutadiene	10.61	225	372	0.094	ng	#	99
12) 2-Methylnaphthalene	11.95	142	937	0.090	ng	#	93
16) Acenaphthylene	13.85	152	1249	0.091	ng		100
17) Acenaphthene	14.21	154	815	0.088	ng		95
18) Fluorene	15.21	166	1039	0.090	ng		97
20) 4,6-Dinitro-2-methylphenol	15.39	198	51m	0.086	ng		
21) 4-Bromophenyl-phenylether	16.11	248	258	0.070	ng		91
22) Hexachlorobenzene	16.20	284	388	0.089	ng		96
23) Atrazine	16.40	200	257	0.099	ng	#	71
24) Pentachlorophenol	16.57	266	225	0.192	ng		98
25) Phenanthrene	16.93	178	1576	0.088	ng		100
26) Anthracene	17.04	178	1269	0.085	ng		97
28) Fluoranthene	18.97	202	1822	0.090	ng		99
30) Pyrene	19.33	202	1891	0.107	ng		99
32) Benzo(a)anthracene	21.09	228	1431	0.091	ng	#	89
33) Chrysene	21.14	228	1837	0.101	ng		94
34) Bis(2-ethylhexyl)phthalate	21.05	149	967	0.151	ng	#	95
35) Indeno(1,2,3-cd)pyrene	25.36	276	1855	0.098	ng	#	94
37) Benzo(b)fluoranthene	22.62	252	1612	0.081	ng	#	60
38) Benzo(k)fluoranthene	22.66	252	1912	0.090	ng	#	58
39) Benzo(a)pyrene	23.16	252	1406	0.082	ng	#	40
40) Dibenzo(a,h)anthracene	25.38	278	1347	0.076	ng	#	45
41) Benzo(g,h,i)perylene	25.98	276	1723	0.089	ng	#	84

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\
Data File : BN011092.D
Acq On : 02 Jul 2020 18:54
Operator : CG/JU
Sample : L1955-09
Misc : MDL-WTR--02
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 02 19:50:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 14:12:13 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

Manual Integrations APPROVED
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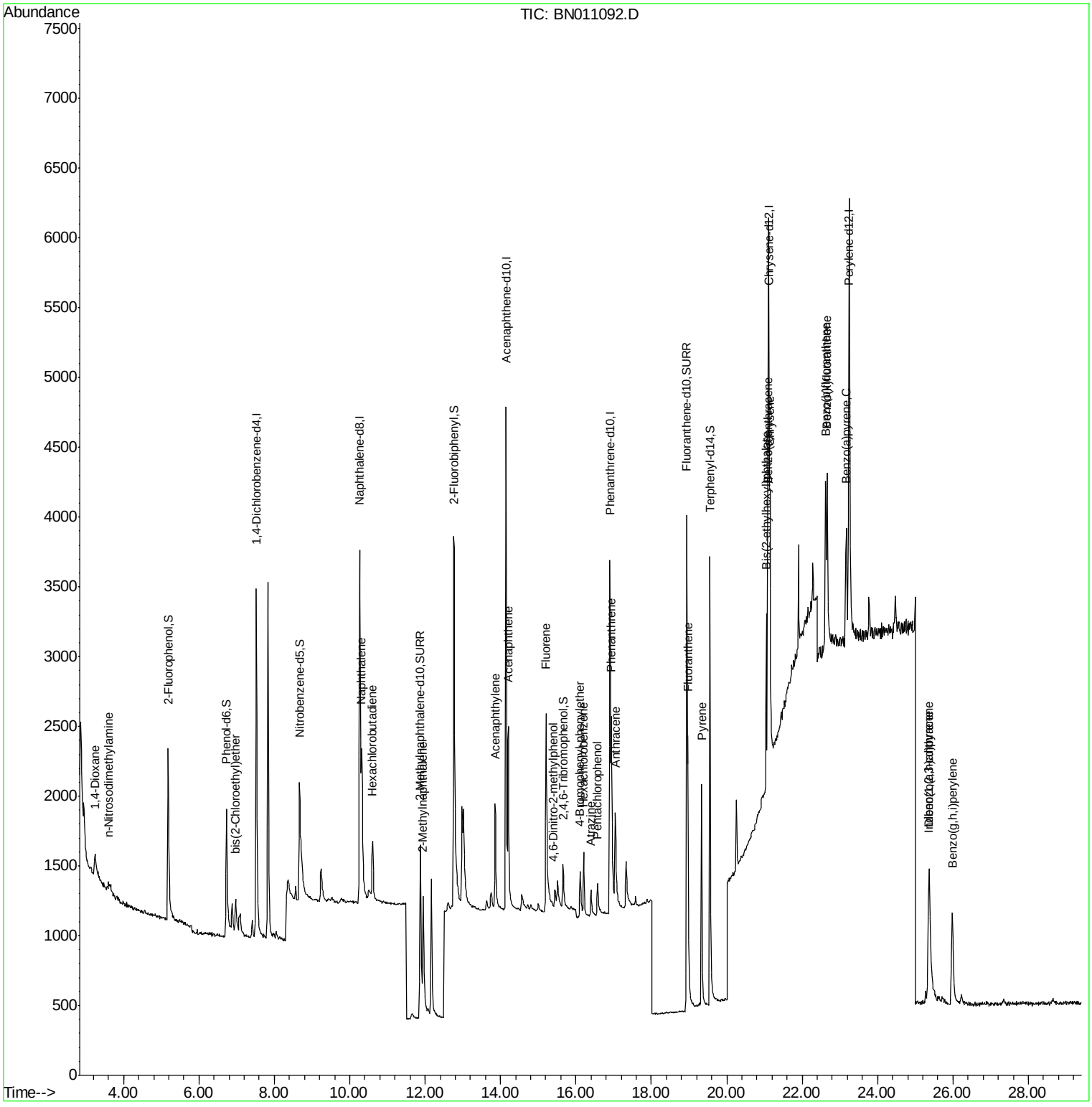
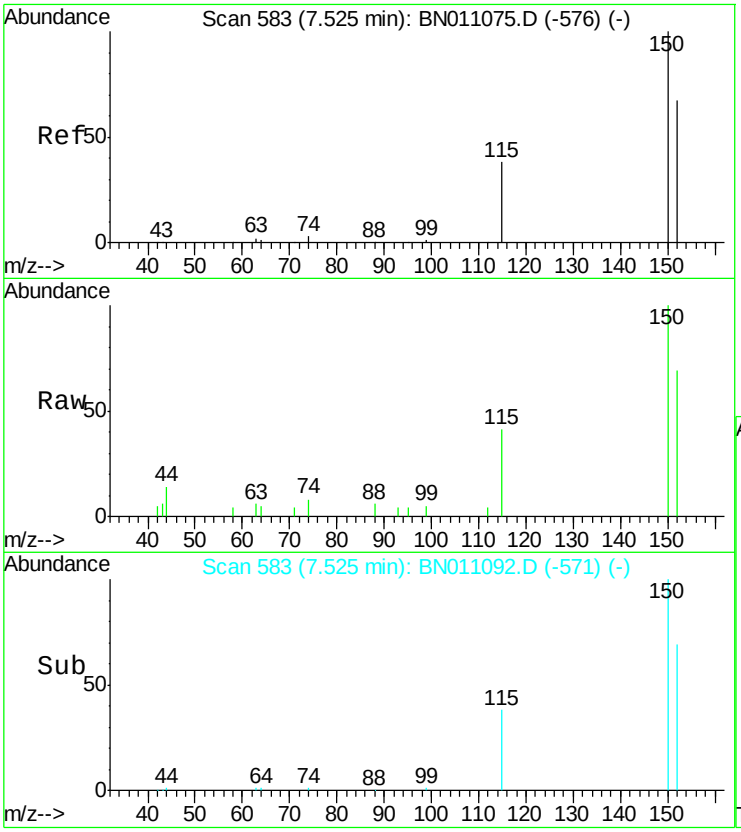
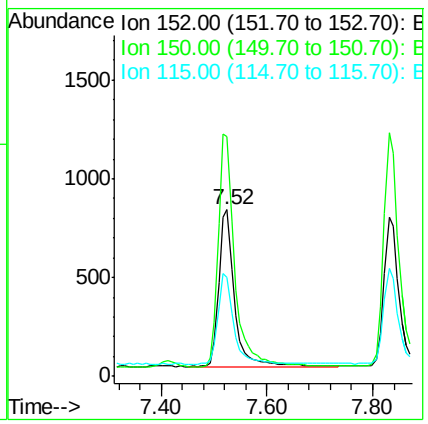




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:152 Resp: 1626

Ion	Ratio	Lower	Upper
152	100		
150	144.5	117.4	176.0
115	59.3	47.9	71.9



Instrument :
BNA_N
ClientSampleId :
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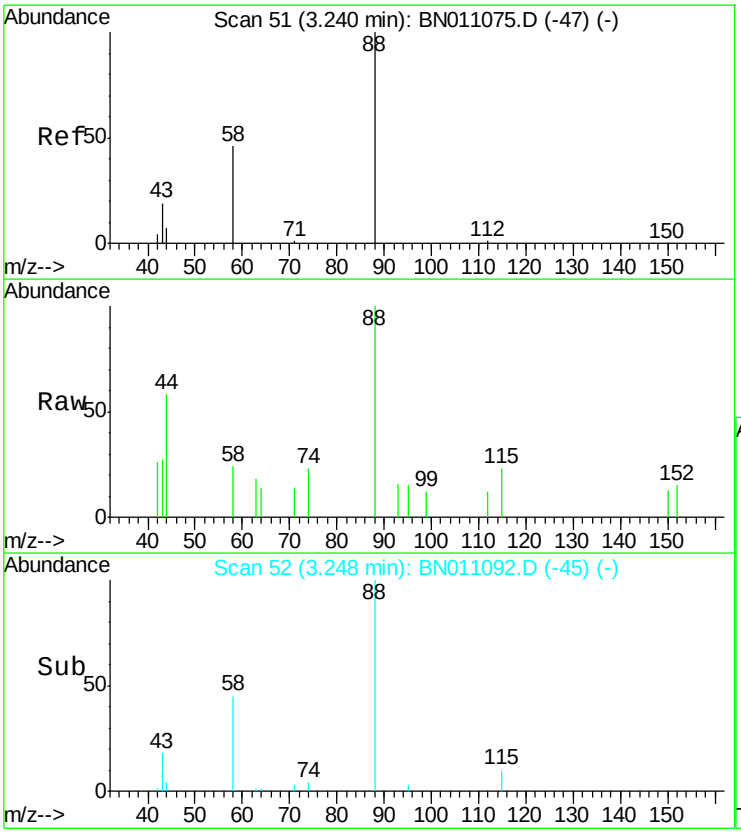
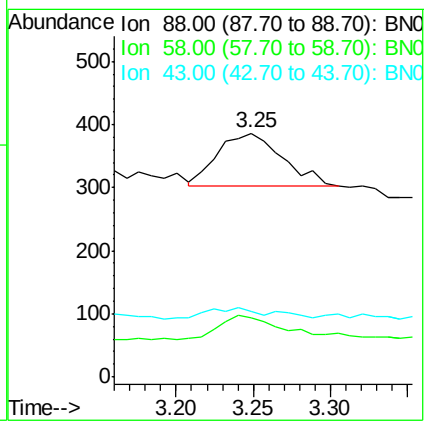
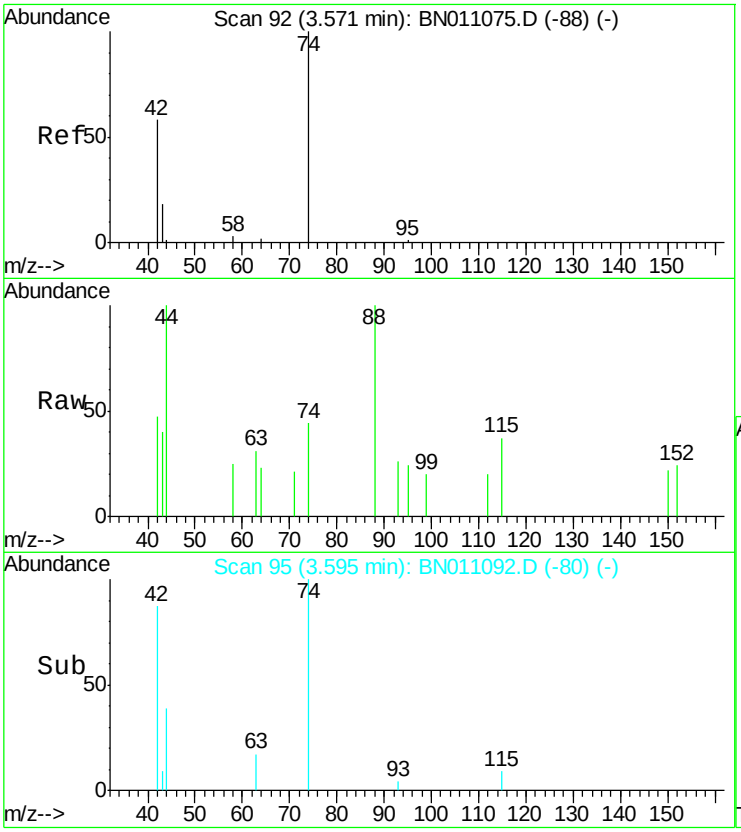


#2
1,4-Dioxane
Concen: 0.107 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion: 88 Resp: 246

Ion	Ratio	Lower	Upper
88	100		
58	36.6	38.6	57.8#
43	12.2	15.4	23.0#

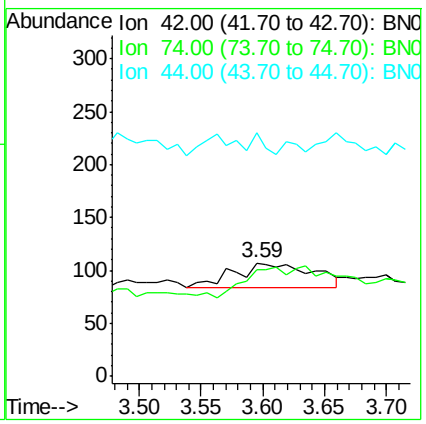




#3
n-Nitrosodimethylamine
Concen: 0.087 ng
RT: 3.59 min Scan# 95
Delta R.T. 0.02 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion: 42 Resp: 101

Ion	Ratio	Lower	Upper
42	100		
74	0.0	142.5	213.7#
44	0.0	0.0	0.0



Instrument :
BNA_N
ClientSampleId :
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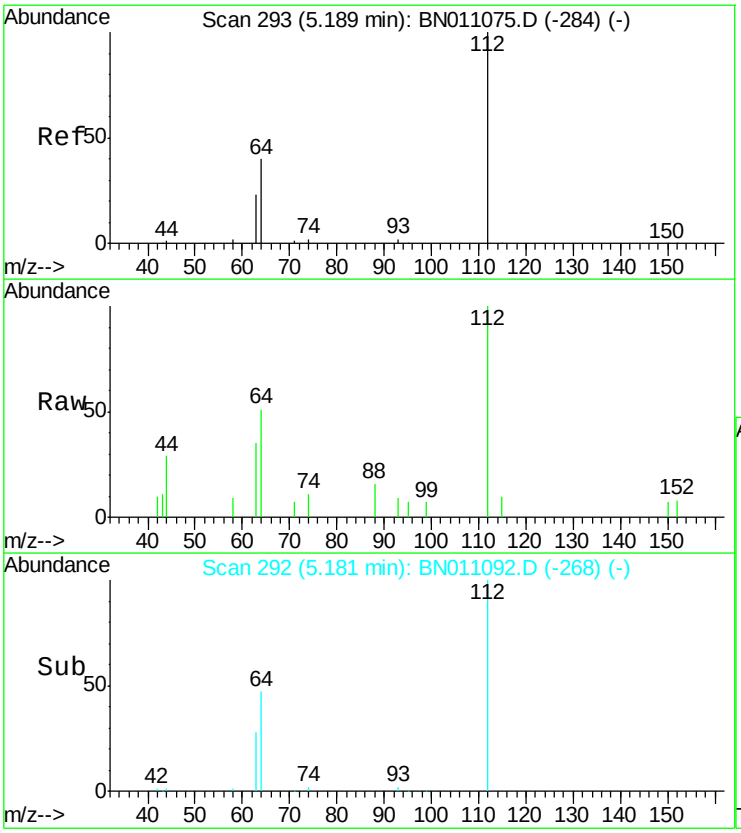
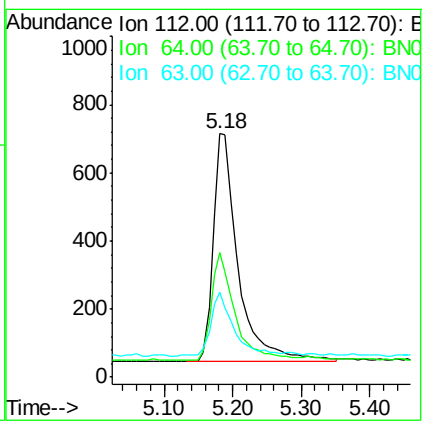
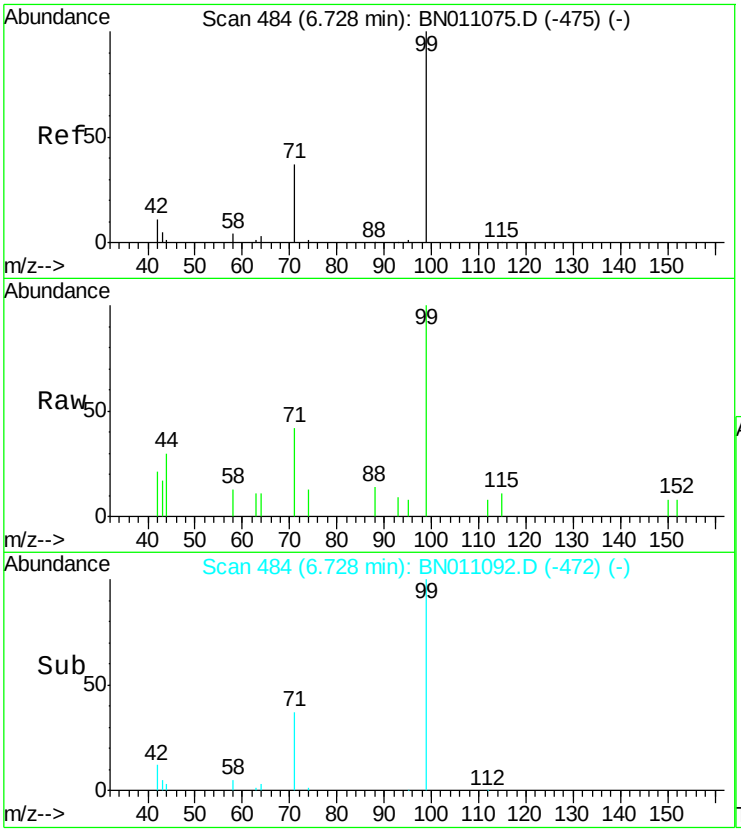


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:112 Resp: 1697

Ion	Ratio	Lower	Upper
112	100		
64	44.7	36.5	54.7
63	26.3	20.6	30.8

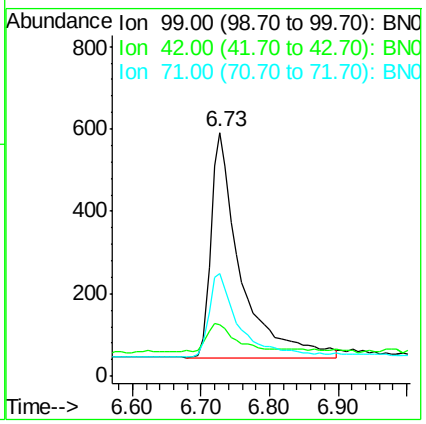




#5
Phenol-d6
Concen: 0.353 ng
RT: 6.73 min Scan# 484
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion: 99 Resp: 1640

Ion	Ratio	Lower	Upper
99	100		
42	11.7	9.8	14.8
71	37.8	30.7	46.1



Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

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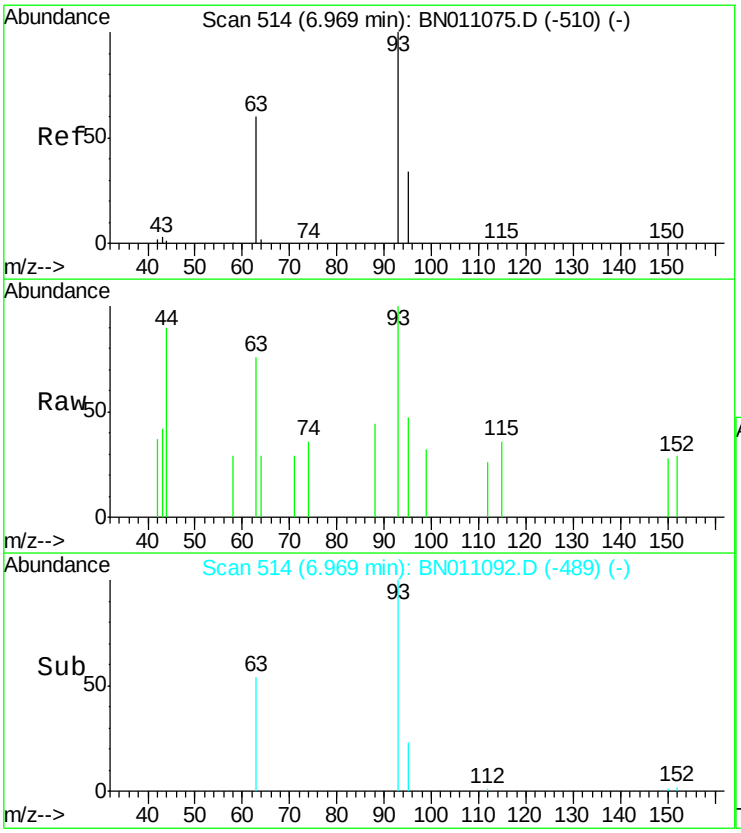
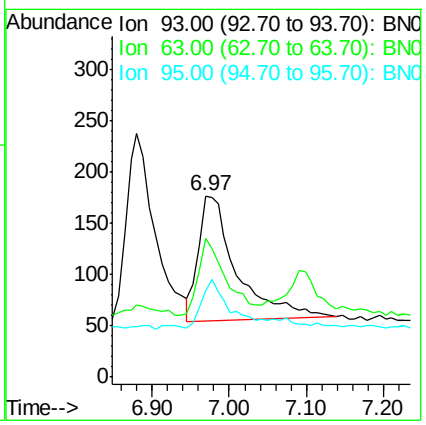
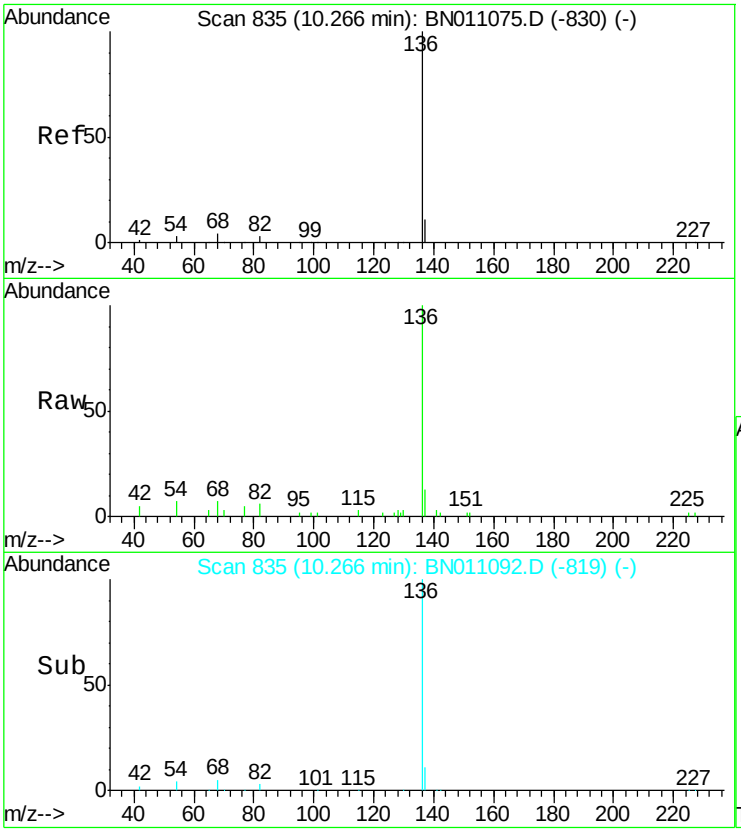


#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 6.97 min Scan# 514
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion: 93 Resp: 424

Ion	Ratio	Lower	Upper
93	100		
63	44.6	47.4	71.2#
95	28.5	26.4	39.6

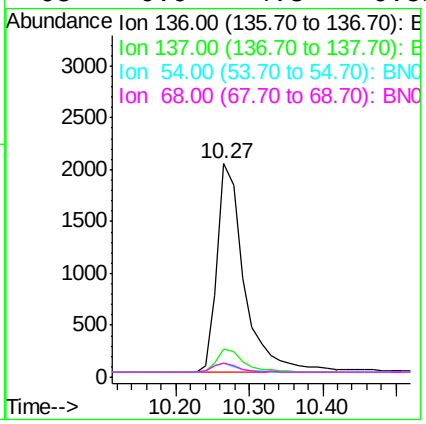




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.27 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:136 Resp: 5205

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.6	14.4
54	6.6	3.8	5.6#
68	6.9	4.3	6.5#



Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

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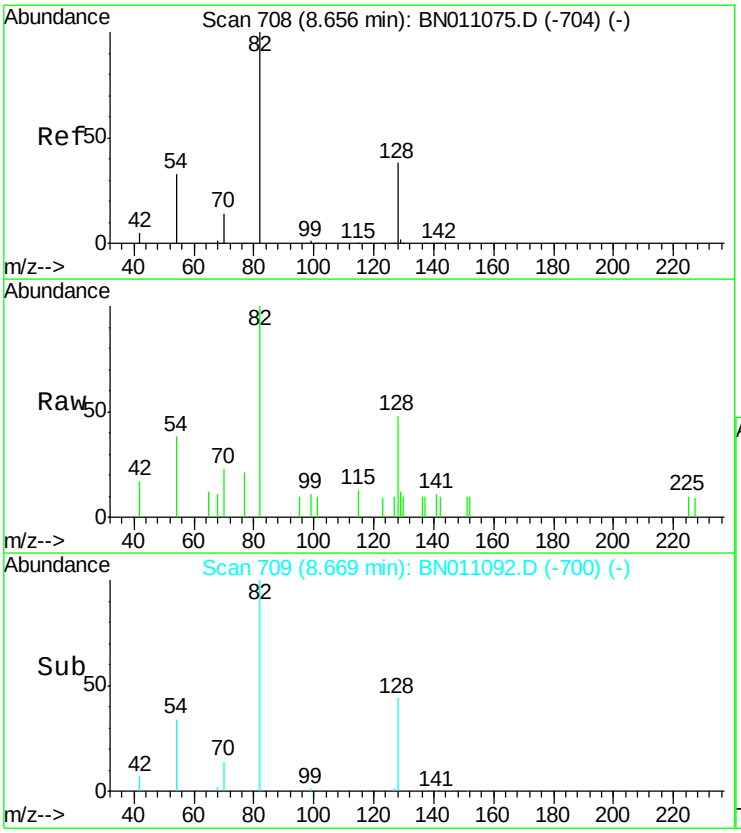
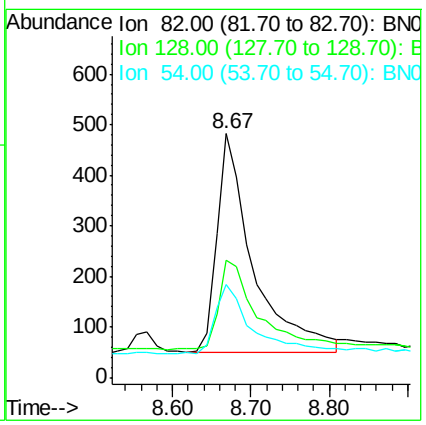
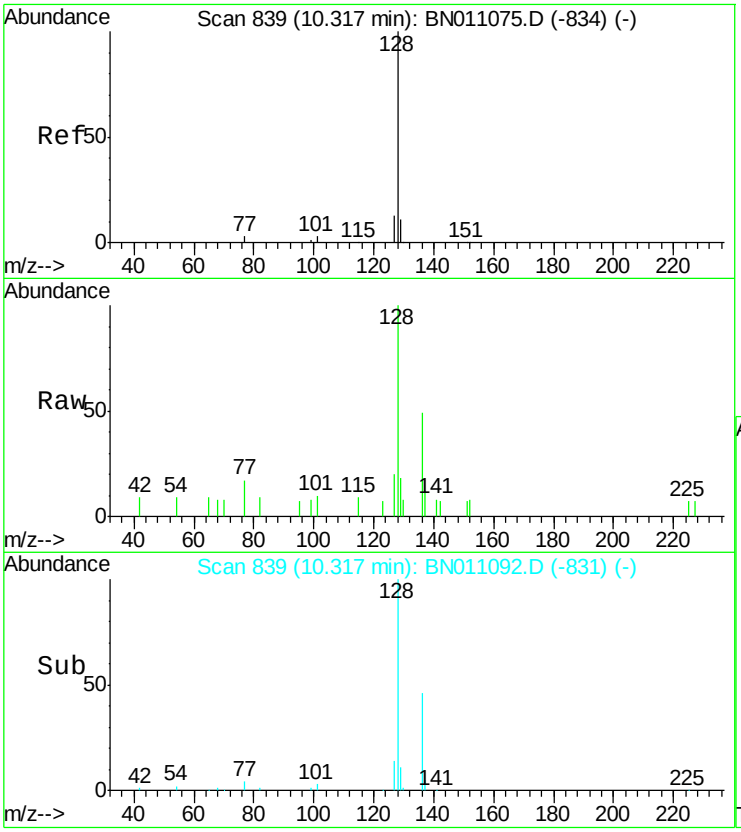


#8
Nitrobenzene-d5
Concen: 0.314 ng
RT: 8.67 min Scan# 709
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion: 82 Resp: 1389

Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.2	51.2
54	38.0	29.4	44.0

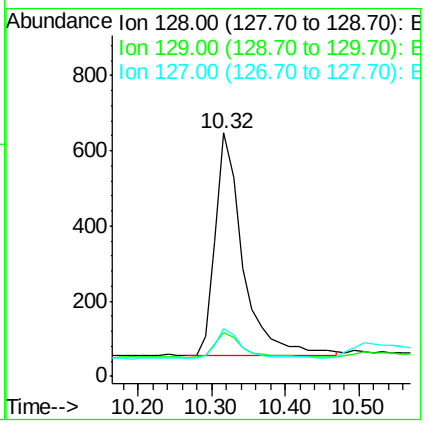




#9
Naphthalene
Concen: 0.100 ng
RT: 10.32 min Scan# 839
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:128 Resp: 1552

Ion	Ratio	Lower	Upper
128	100		
129	18.1	9.8	14.8#
127	19.9	11.3	16.9#



Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

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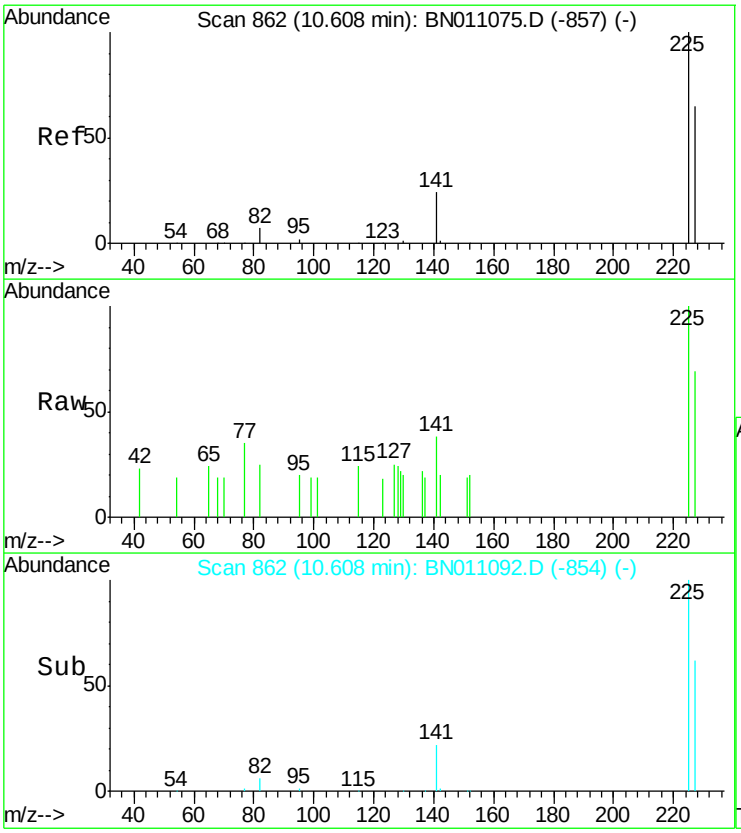
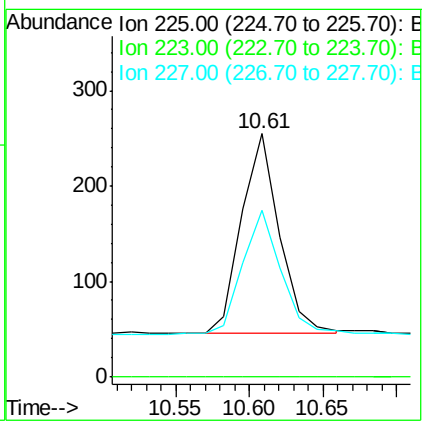
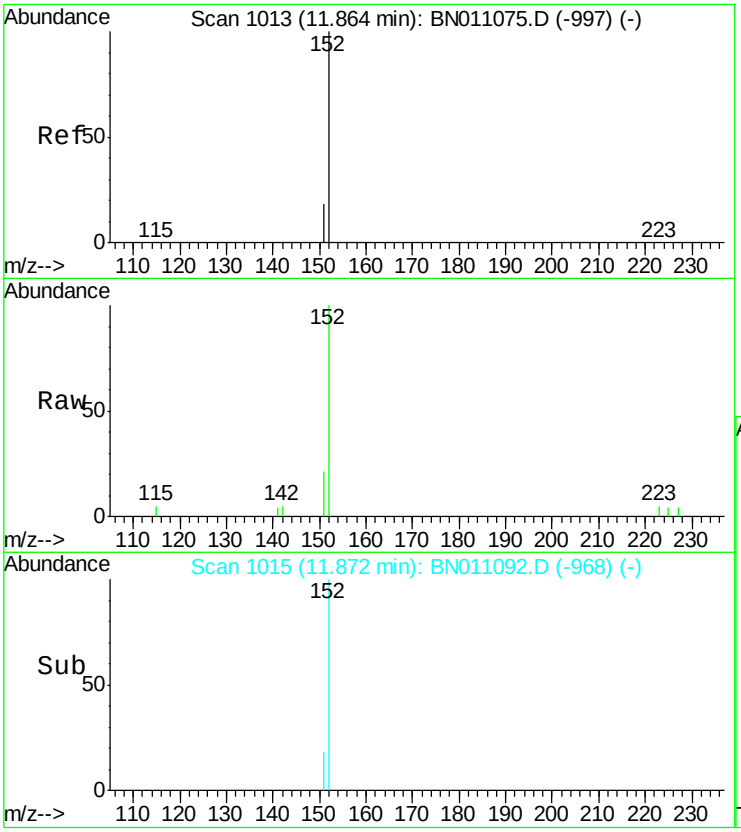


#10
Hexachlorobutadiene
Concen: 0.094 ng
RT: 10.61 min Scan# 862
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:225 Resp: 372

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 11.87 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:152 Resp: 2919

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.6	24.8

Instrument :
BNA_N
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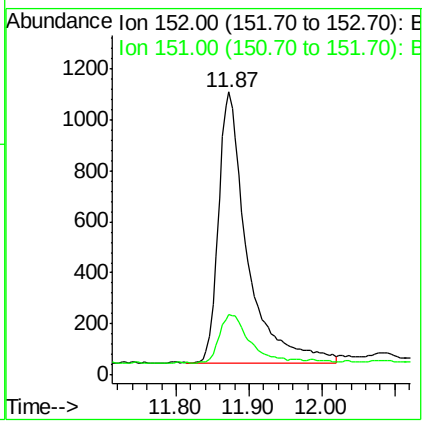
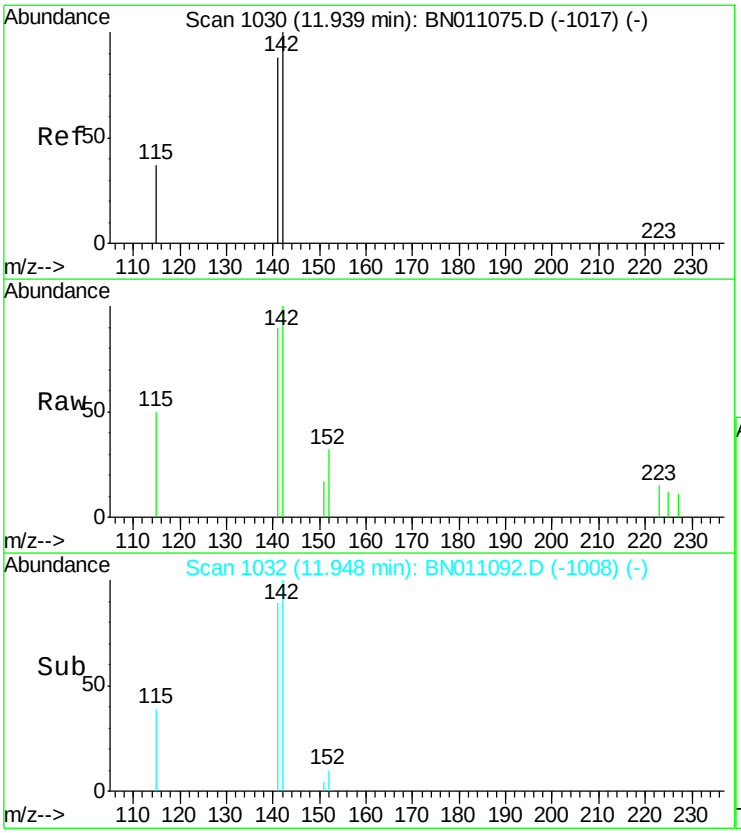
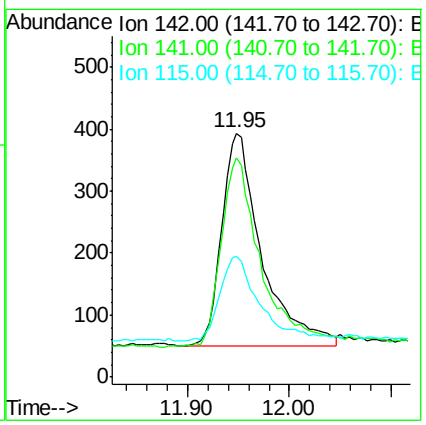


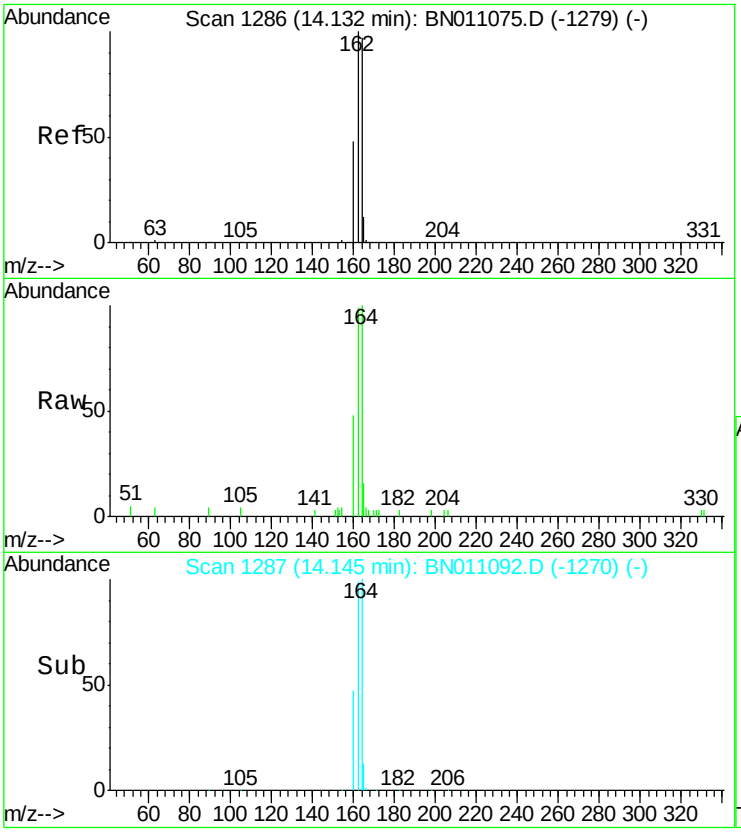


#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 11.95 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:142 Resp: 937

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.3	105.5
115	49.6	31.2	46.8#

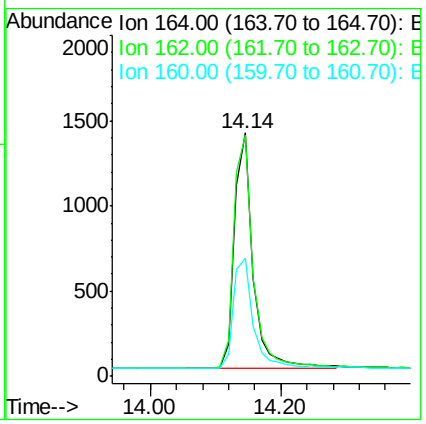




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.14 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:164 Resp: 2734

Ion	Ratio	Lower	Upper
164	100		
162	99.2	82.3	123.5
160	48.4	40.6	61.0



Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

Manual Integrations APPROVED
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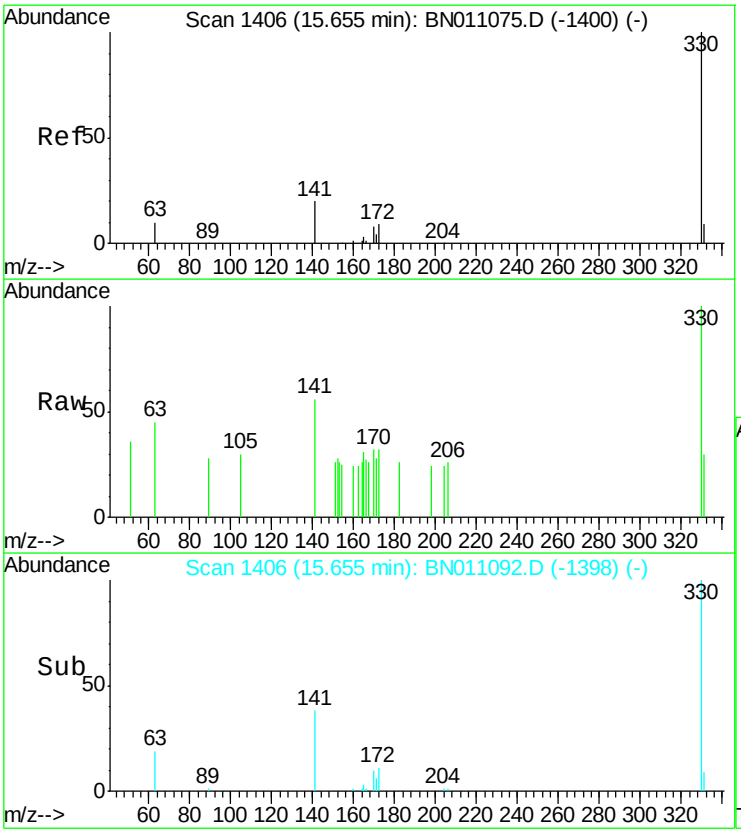
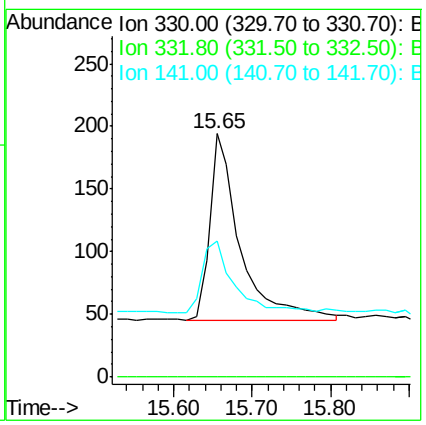
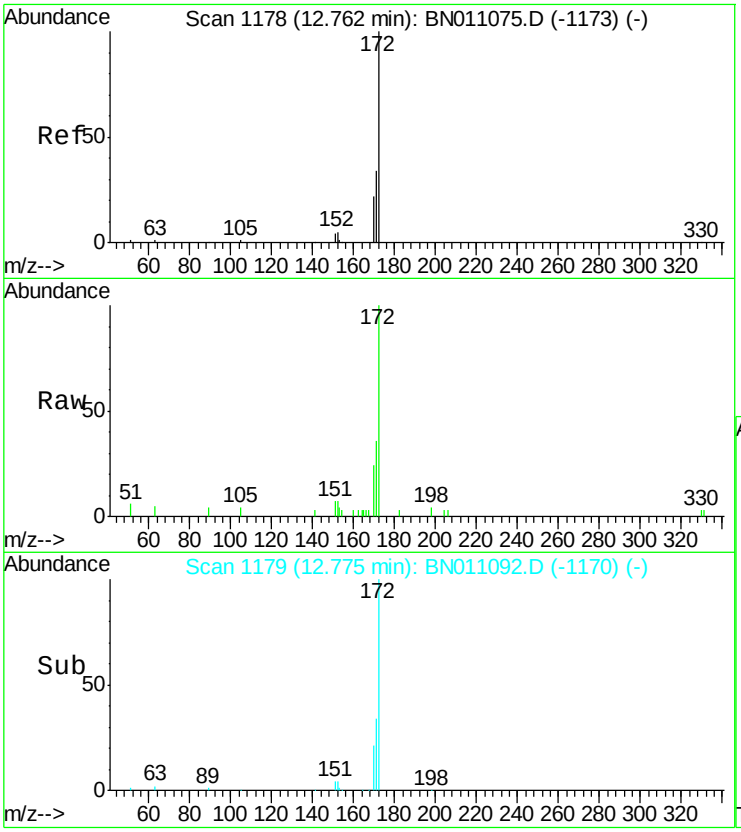


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.65 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:330 Resp: 407

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.8	32.6	49.0

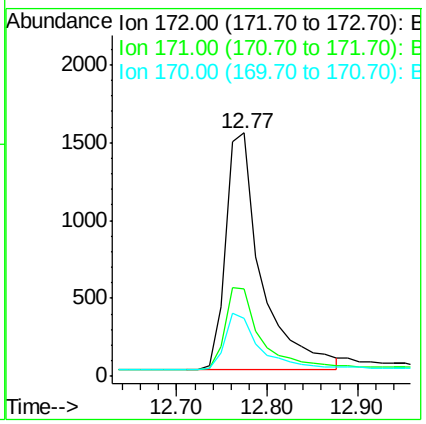




#15
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:172 Resp: 4144

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.9	41.9
170	23.7	18.7	28.1



Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

Manual Integrations APPROVED
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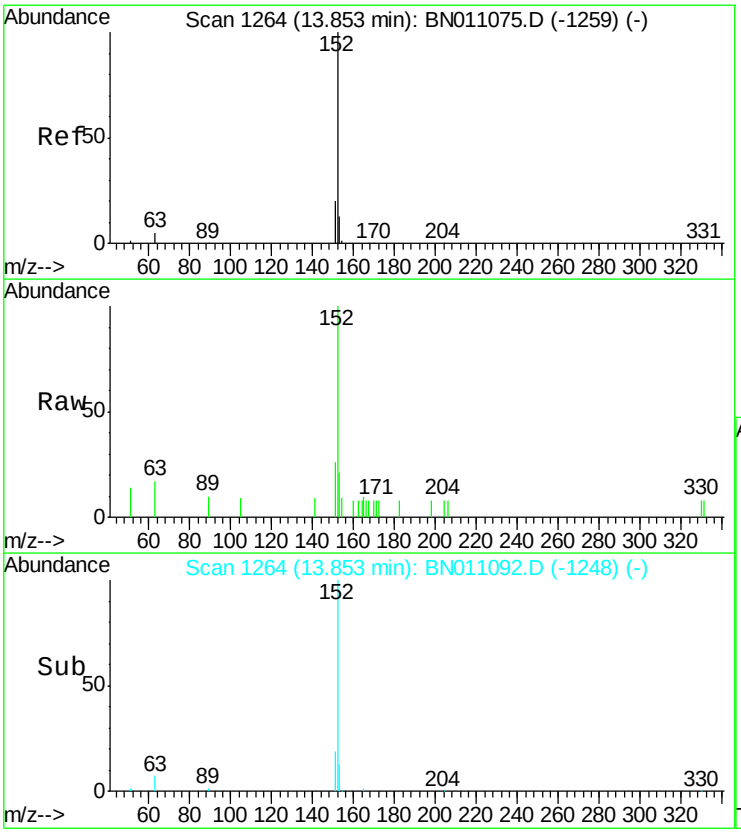
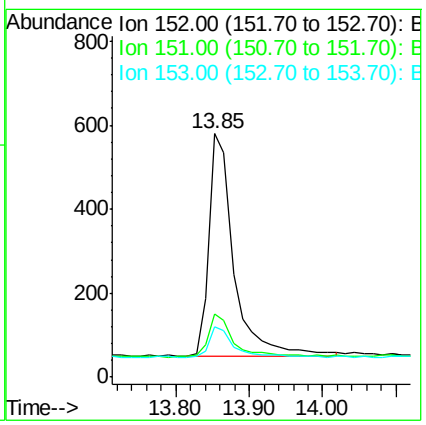
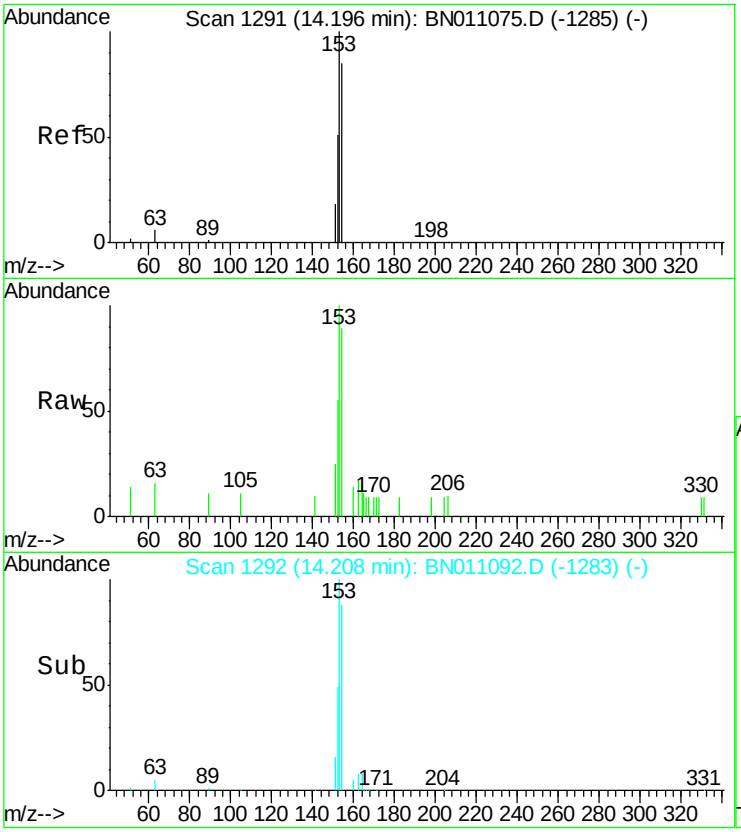


#16
Acenaphthylene
Concen: 0.091 ng
RT: 13.85 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:152 Resp: 1249

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.3	10.8	16.2

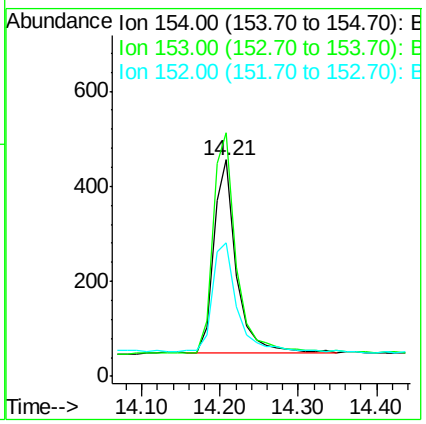




#17
Acenaphthene
Concen: 0.088 ng
RT: 14.21 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:154 Resp: 815

Ion	Ratio	Lower	Upper
154	100		
153	120.0	91.7	137.5
152	62.0	46.8	70.2



Instrument :
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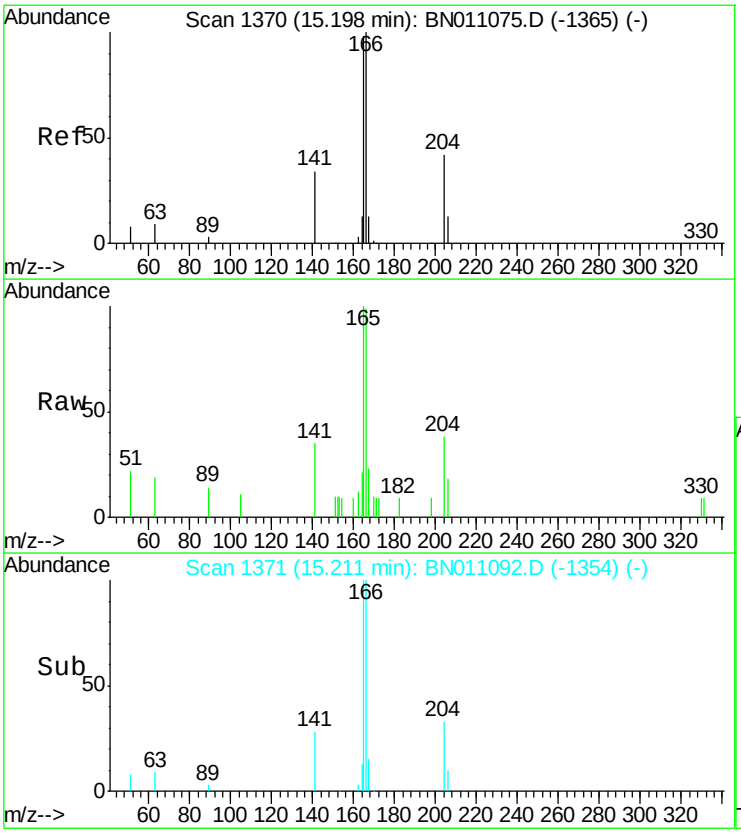
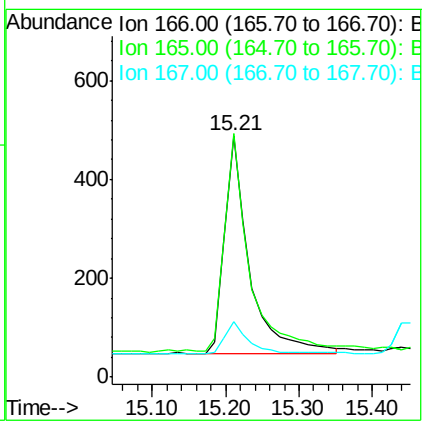
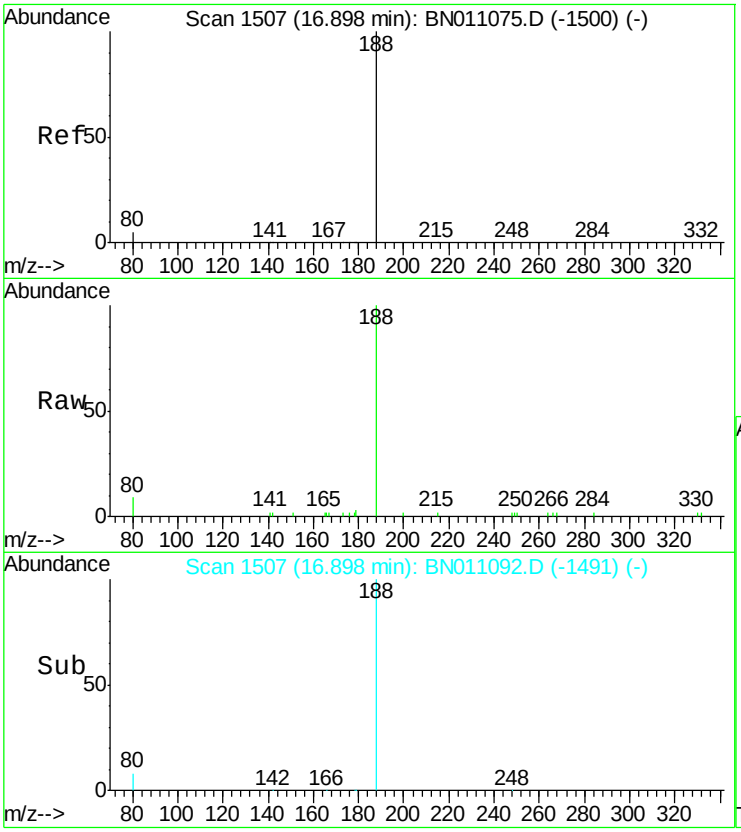


#18
Fluorene
Concen: 0.090 ng
RT: 15.21 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:166 Resp: 1039

Ion	Ratio	Lower	Upper
166	100		
165	101.4	78.9	118.3
167	15.4	10.9	16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:188 Resp: 5544

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	5.3	7.9#

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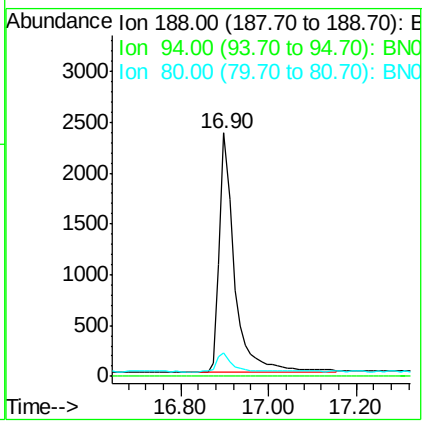
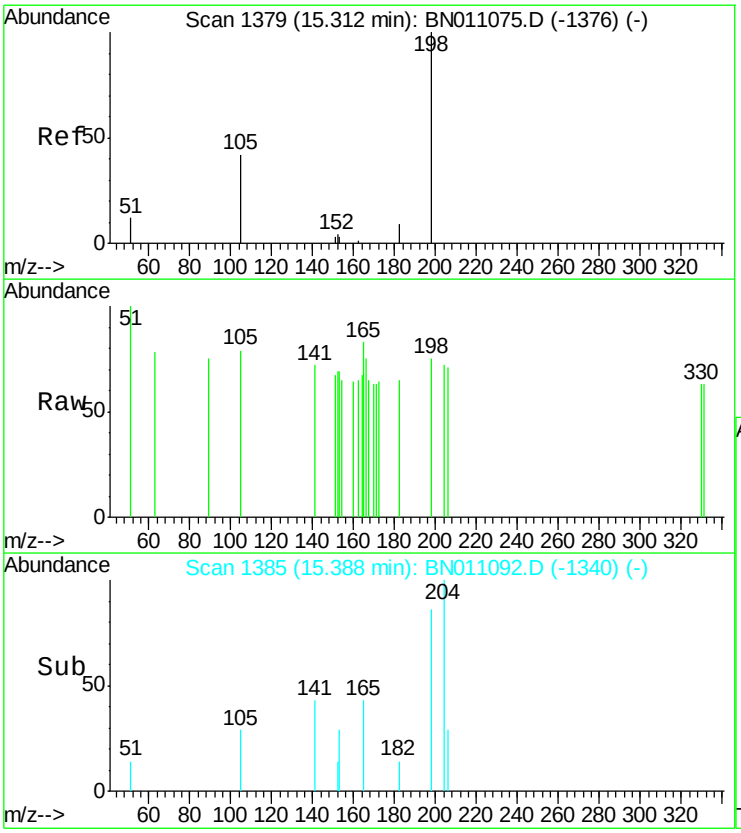
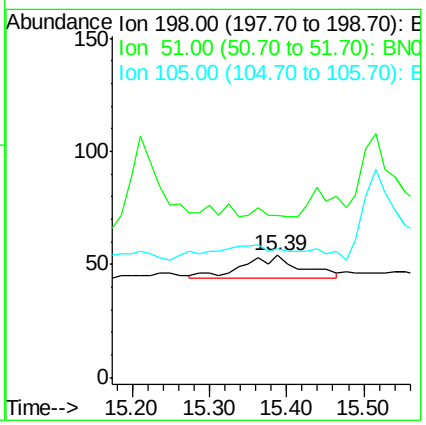


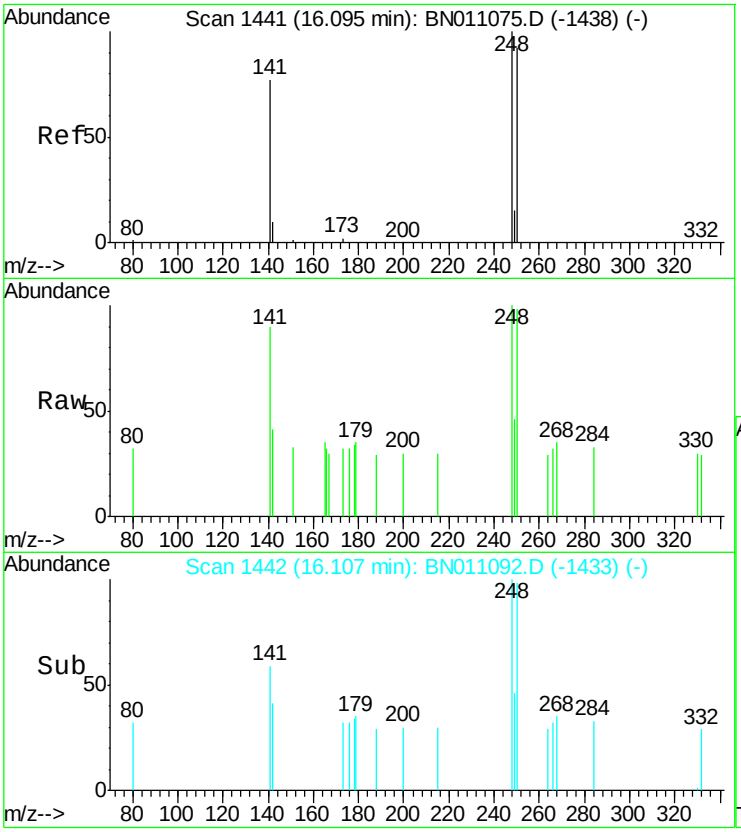


#20
4,6-Dinitro-2-methylphenol
Concen: 0.086 ng m
RT: 15.39 min Scan# 1385
Delta R.T. 0.08 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:198 Resp: 51

Ion	Ratio	Lower	Upper
198	100		
51	133.3	58.2	87.4#
105	105.6	59.0	88.4#





#21
4-Bromophenyl-phenylether
Concen: 0.070 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:248 Resp: 258

Ion	Ratio	Lower	Upper
248	100		
250	98.1	73.8	110.8
141	90.3	63.1	94.7

Instrument :
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ClientSampleId :
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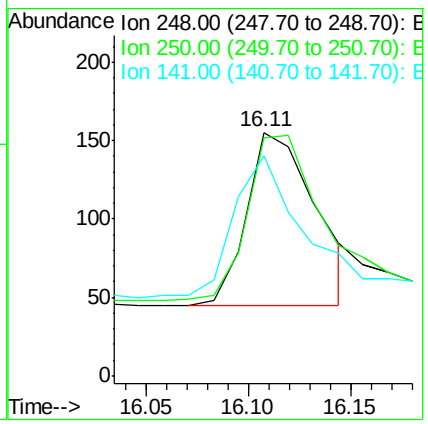
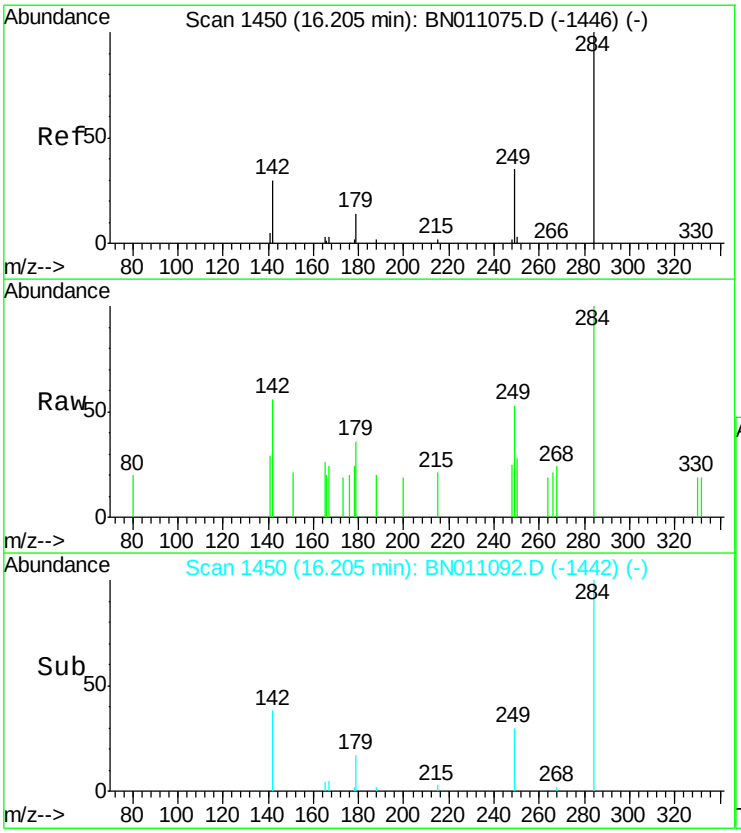
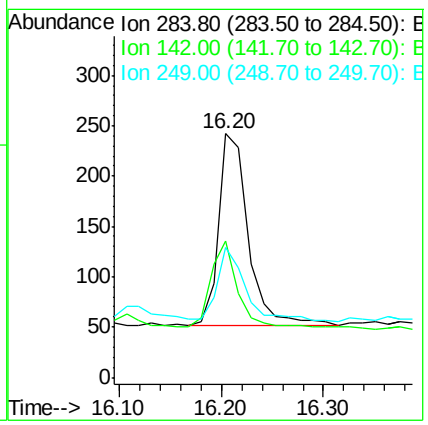


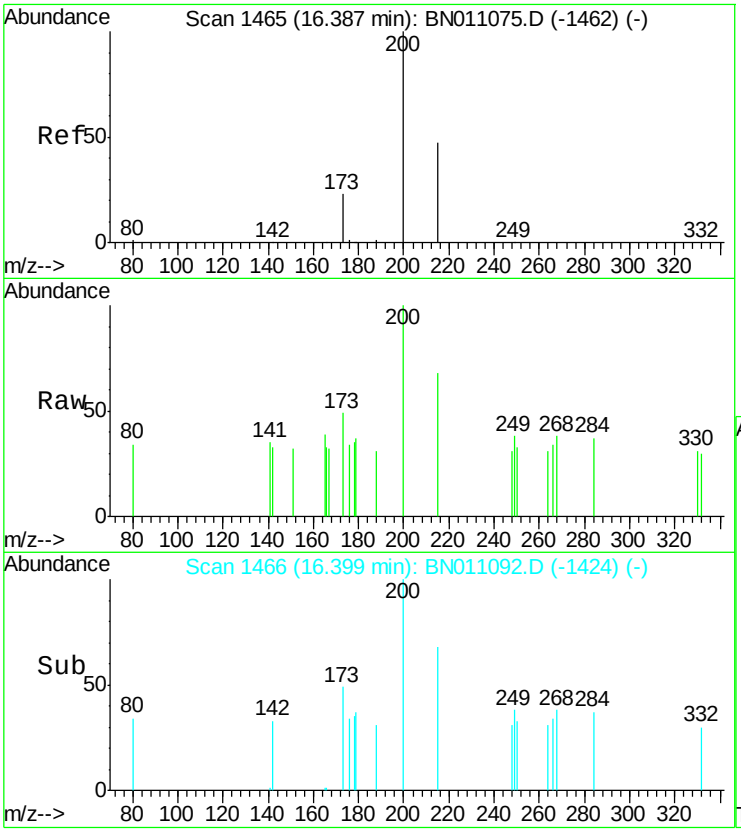


#22
Hexachlorobenzene
Concen: 0.089 ng
RT: 16.20 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:284 Resp: 388

Ion	Ratio	Lower	Upper
284	100		
142	44.3	33.3	49.9
249	36.1	27.4	41.2

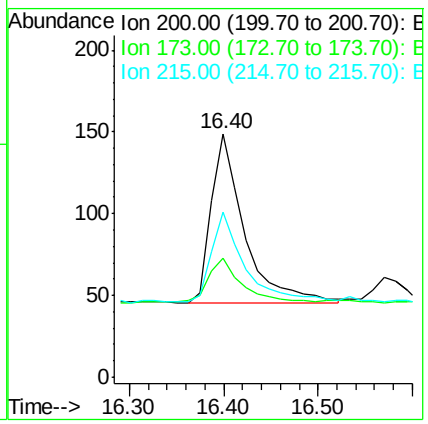




#23
Atrazine
Concen: 0.099 ng
RT: 16.40 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:200 Resp: 257

Ion	Ratio	Lower	Upper
200	100		
173	49.0	22.8	34.2#
215	67.8	40.7	61.1#



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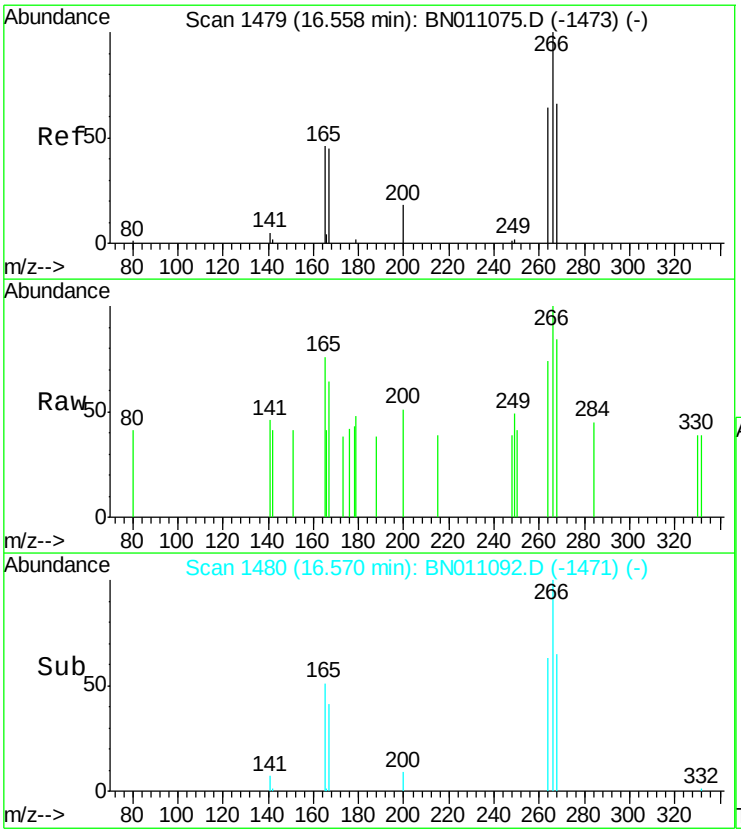
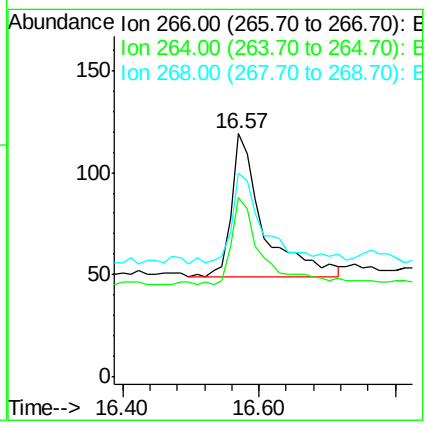
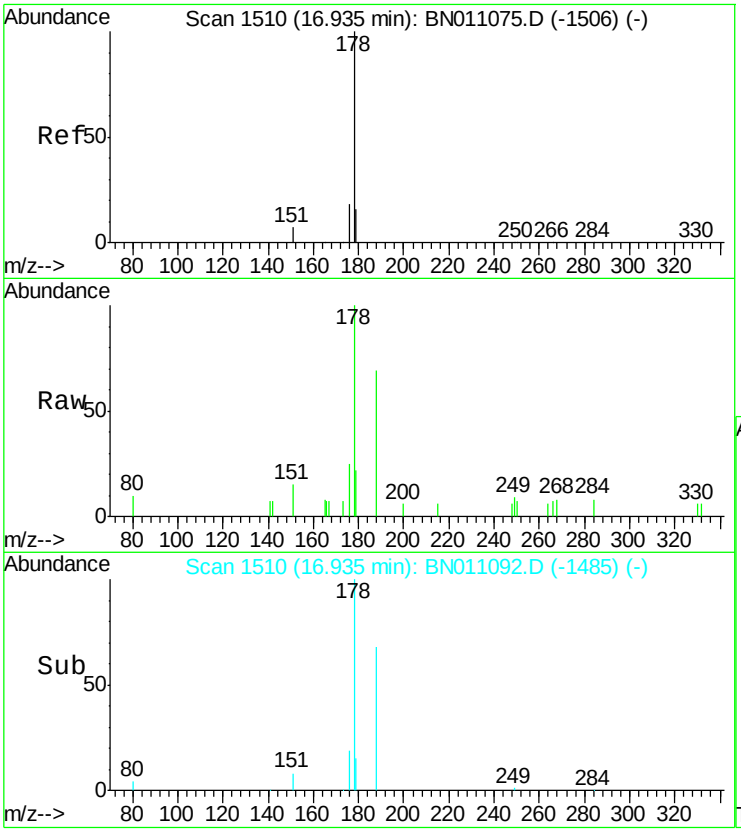


#24
Pentachlorophenol
Concen: 0.192 ng
RT: 16.57 min Scan# 1480
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:266 Resp: 225

Ion	Ratio	Lower	Upper
266	100		
264	60.4	47.4	71.0
268	70.2	55.0	82.4

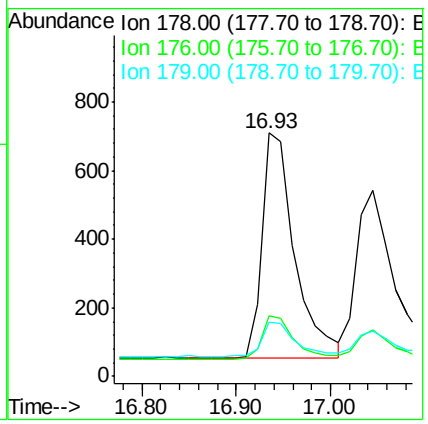




#25
Phenanthrene
Concen: 0.088 ng
RT: 16.93 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:178 Resp: 1576

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.8	12.5	18.7



Instrument :
BNA_N
ClientSampleId :
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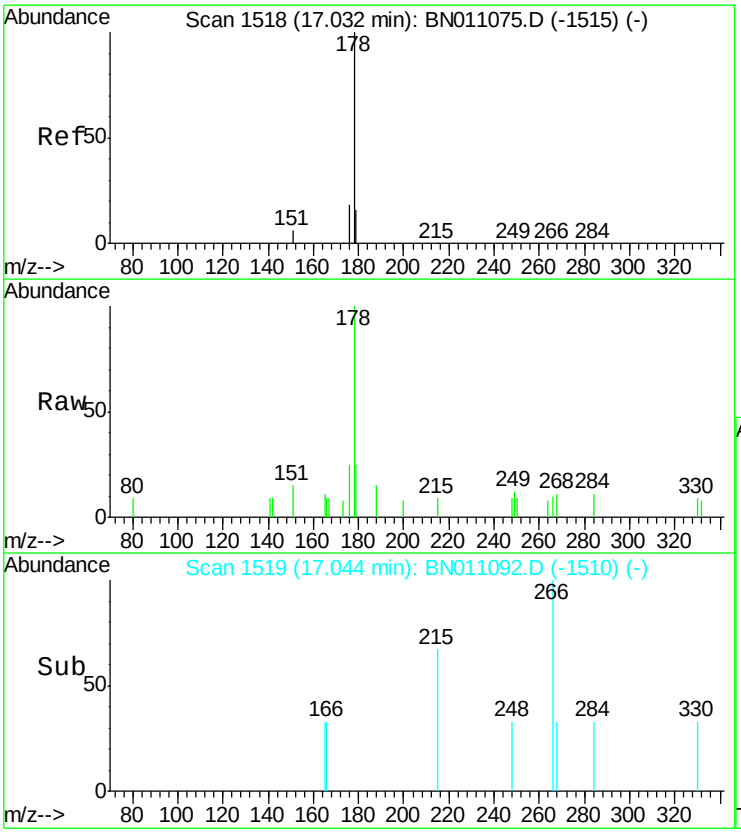
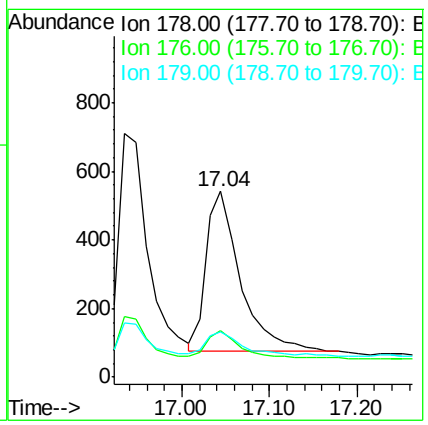
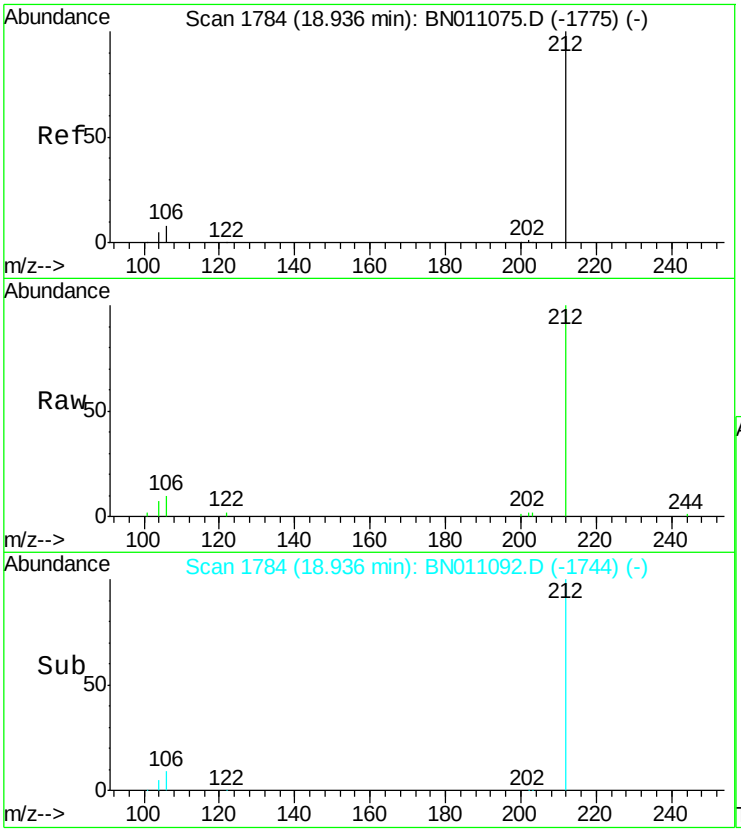


#26
Anthracene
Concen: 0.085 ng
RT: 17.04 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:178 Resp: 1269

Ion	Ratio	Lower	Upper
178	100		
176	16.2	14.2	21.4
179	14.4	12.2	18.2

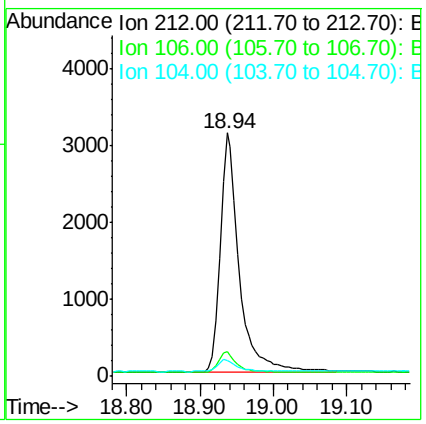




#27
Fluoranthene-d10
Concen: 0.340 ng
RT: 18.94 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:212 Resp: 5706

Ion	Ratio	Lower	Upper
212	100		
106	8.6	7.1	10.7
104	5.1	4.2	6.4



Instrument :
BNA_N
ClientSampleId :
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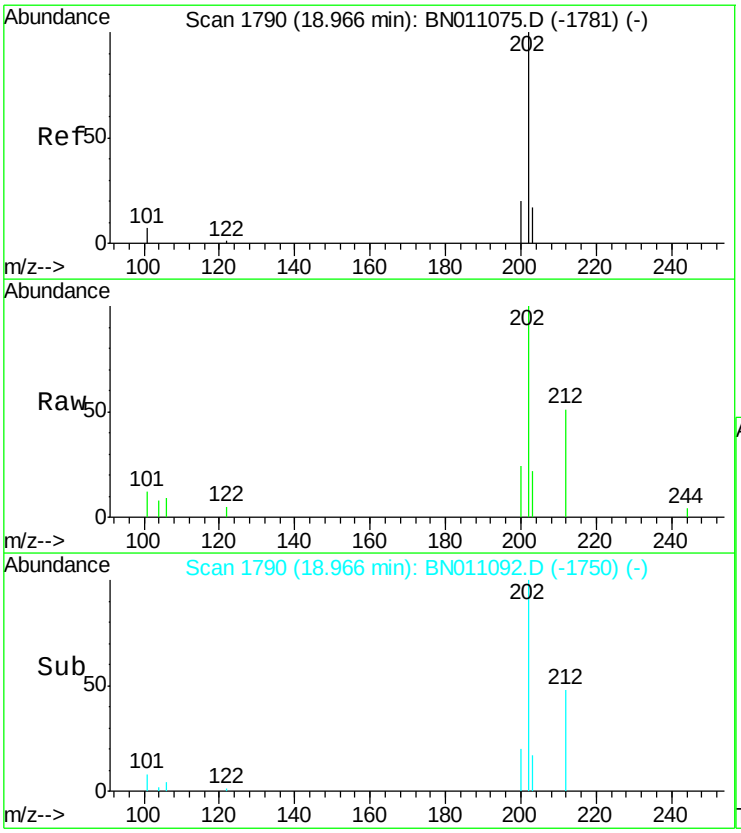
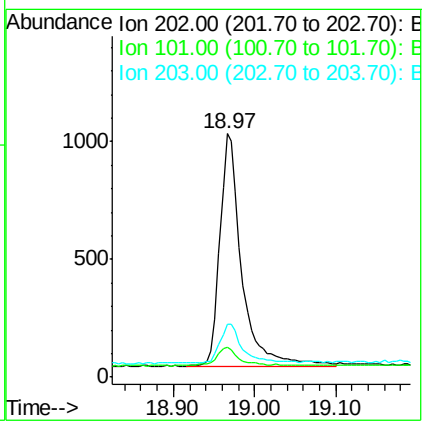
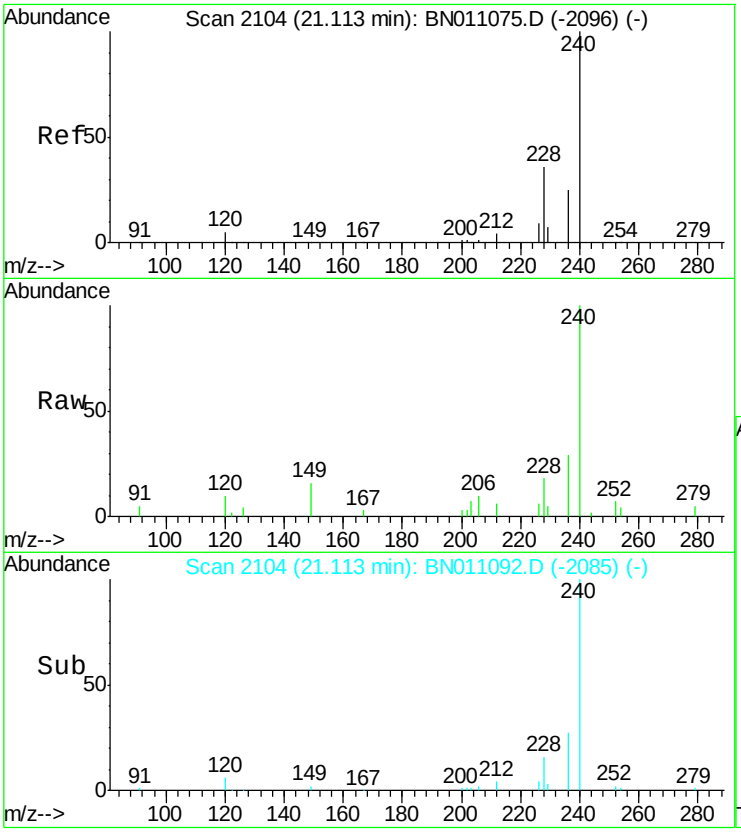


#28
Fluoranthene
Concen: 0.090 ng
RT: 18.97 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:202 Resp: 1822

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.3	9.5
203	17.5	13.5	20.3

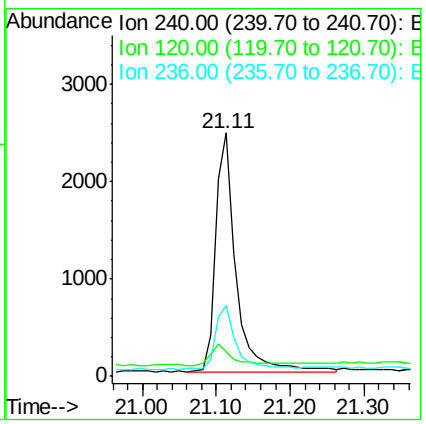




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:240 Resp: 4725

Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.5	9.7#
236	29.2	21.9	32.9



Instrument :
BNA_N
ClientSampleId :
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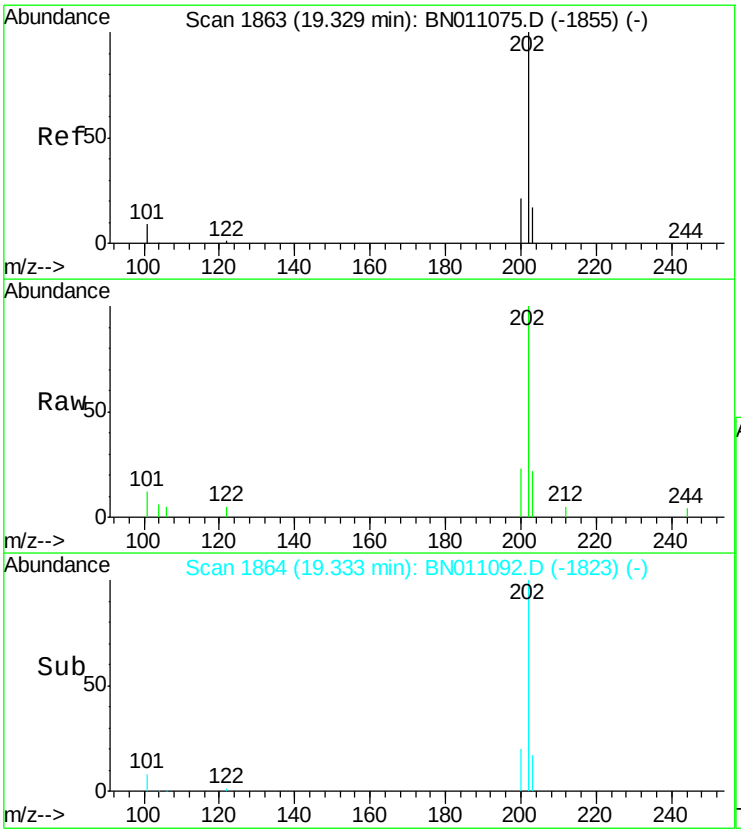
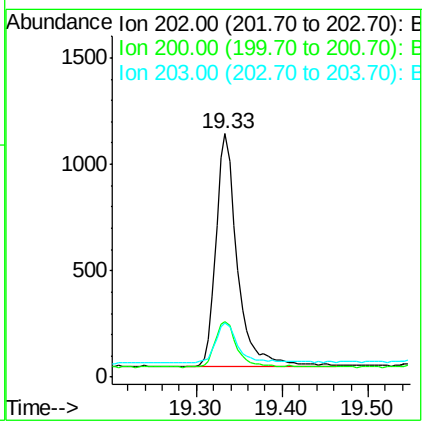
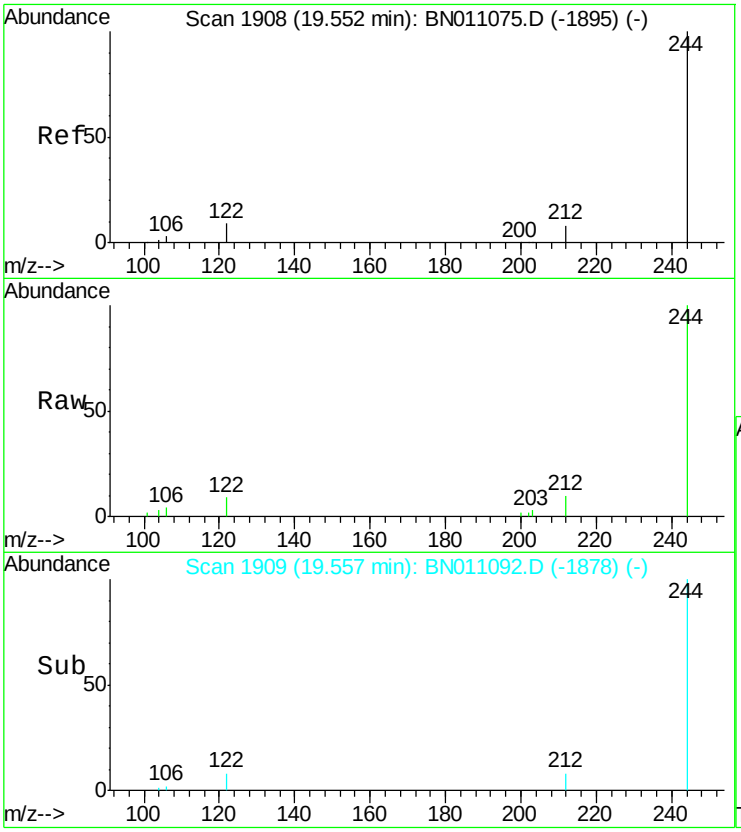


#30
Pyrene
Concen: 0.107 ng
RT: 19.33 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:202 Resp: 1891

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	25.0
203	18.2	14.2	21.4

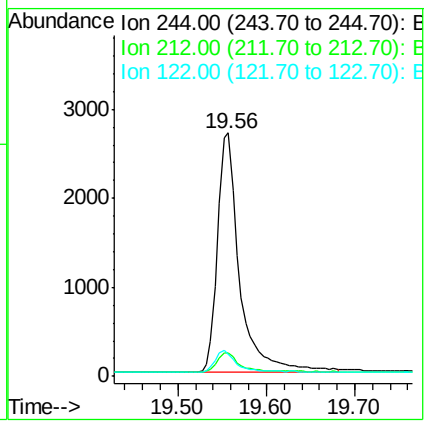




#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.56 min Scan# 1909
Delta R.T. 0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:244 Resp: 4677

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	9.2	8.2	12.4



Instrument :
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ClientSampleId :
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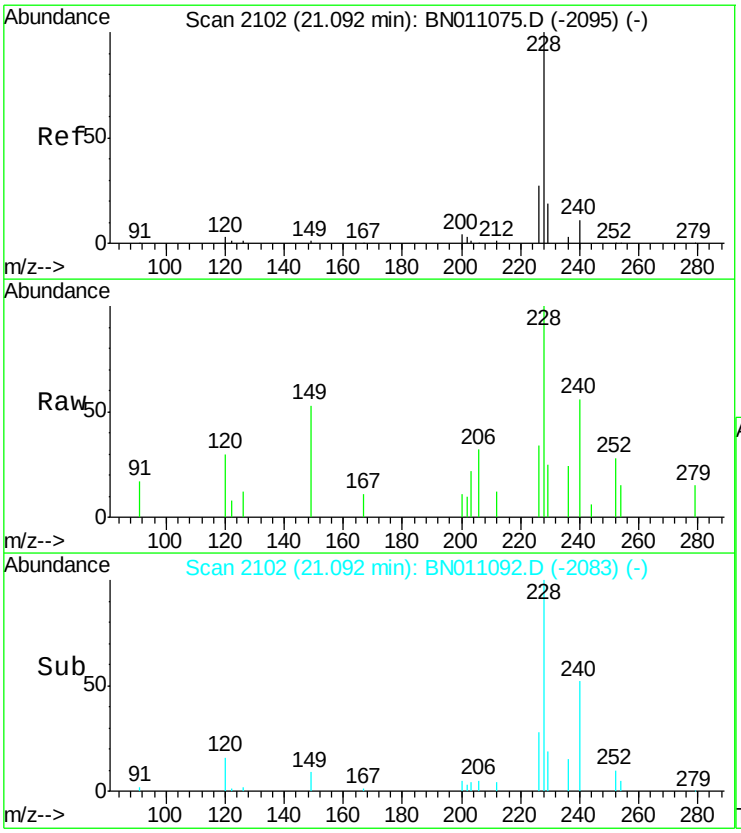
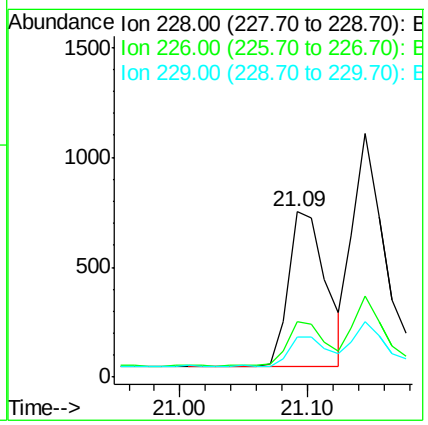
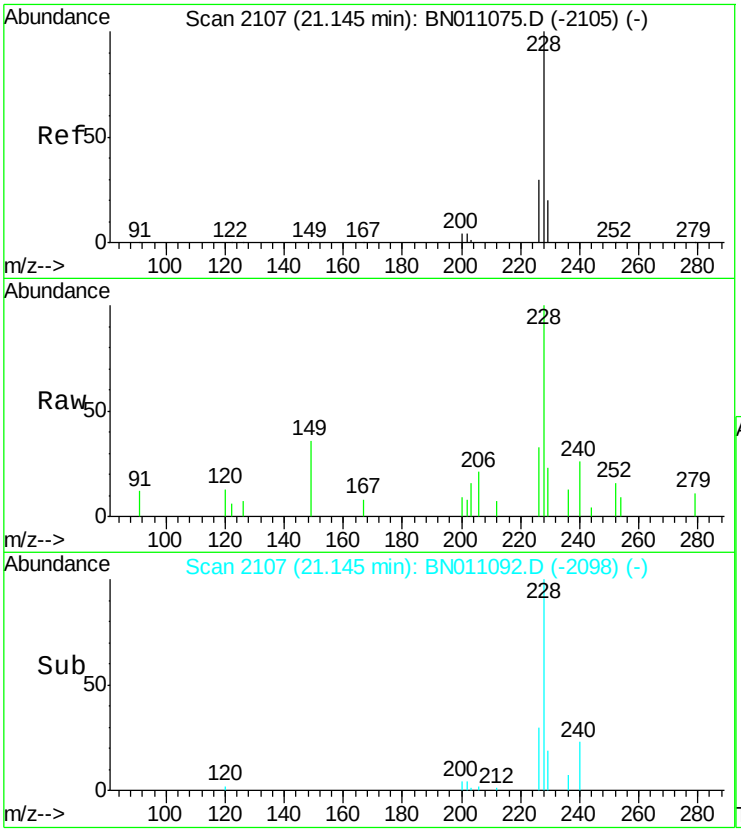


#32
Benzo(a)anthracene
Concen: 0.091 ng
RT: 21.09 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:228 Resp: 1431

Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.0	33.0#
229	24.6	16.1	24.1#

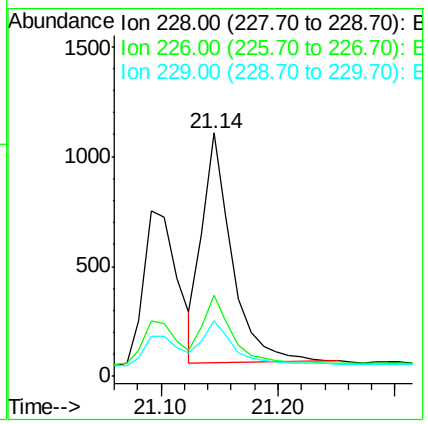




#33
Chrysene
Concen: 0.101 ng
RT: 21.14 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:228 Resp: 1837

Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.0	36.0
229	22.7	16.4	24.6



Instrument :
BNA_N
ClientSampleId :
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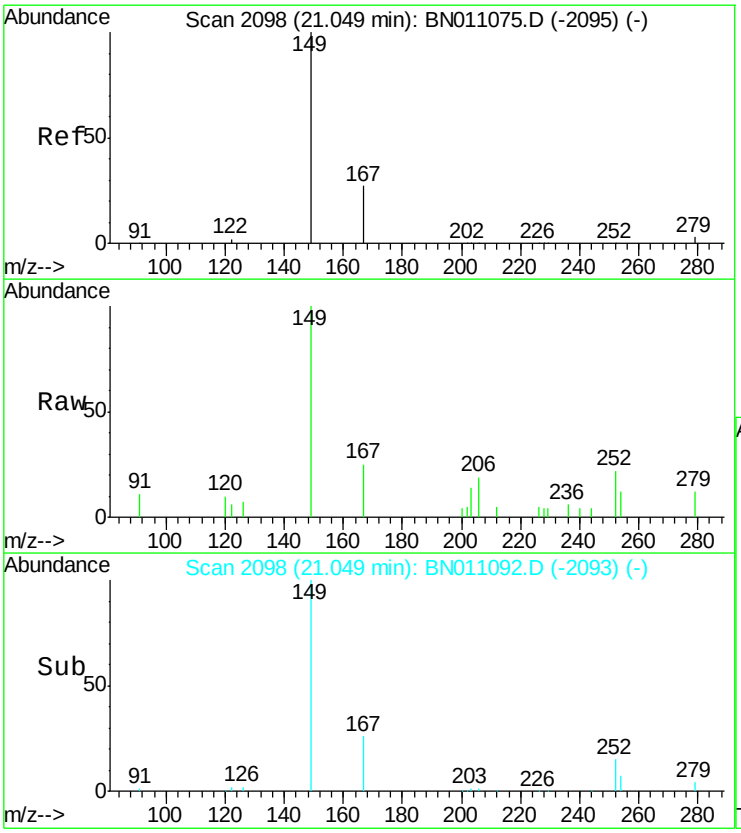
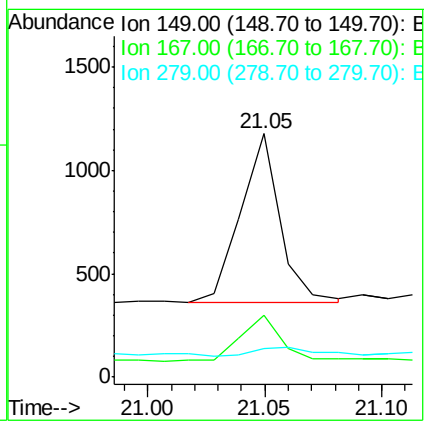
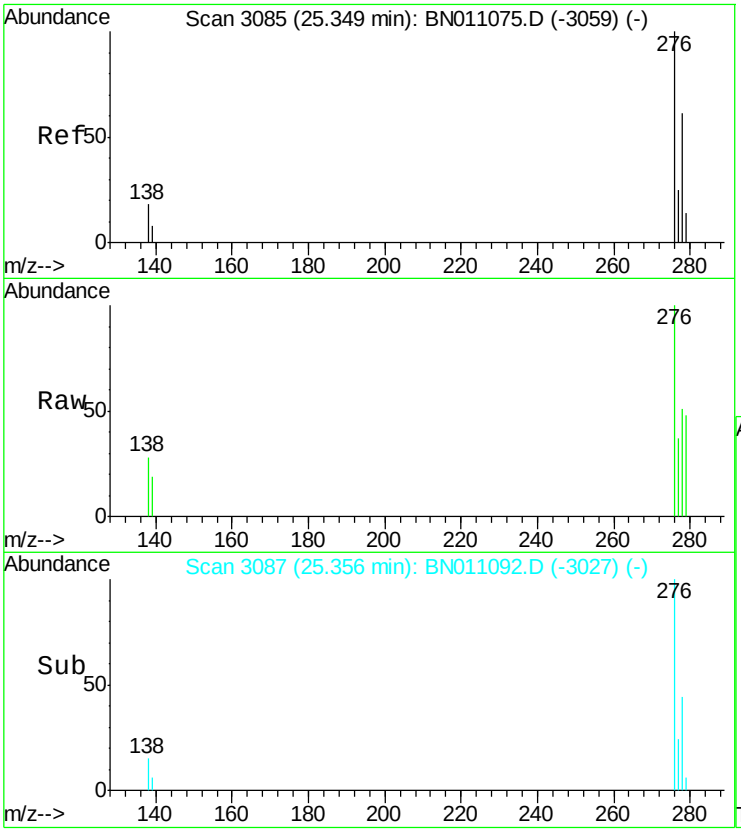


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.151 ng
RT: 21.05 min Scan# 2098
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:149 Resp: 967

Ion	Ratio	Lower	Upper
149	100		
167	25.5	22.2	33.4
279	7.9	4.5	6.7#

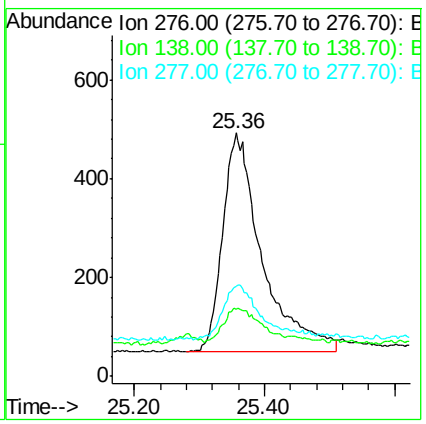




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.098 ng
RT: 25.36 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:276 Resp: 1855

Ion	Ratio	Lower	Upper
276	100		
138	14.5	15.4	23.0#
277	22.9	19.4	29.0



Instrument :
BNA_N
ClientSampleId :
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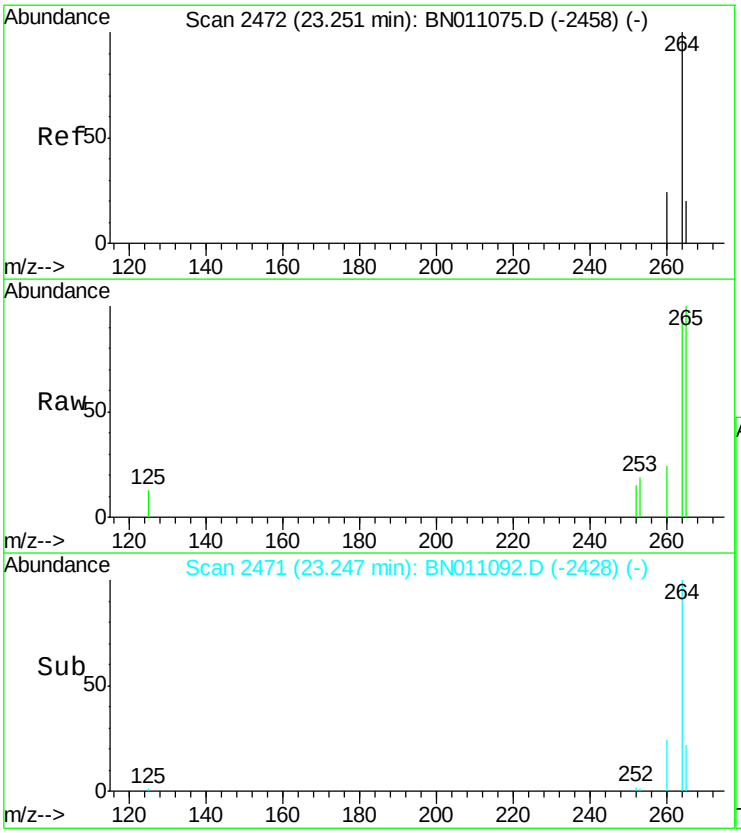
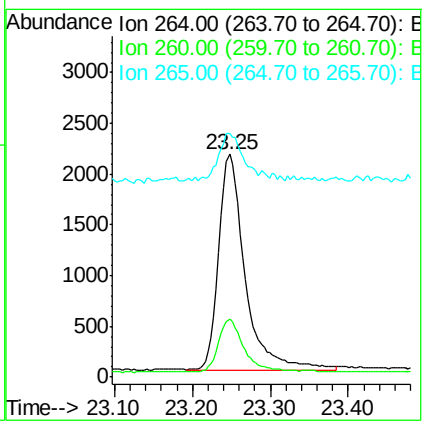
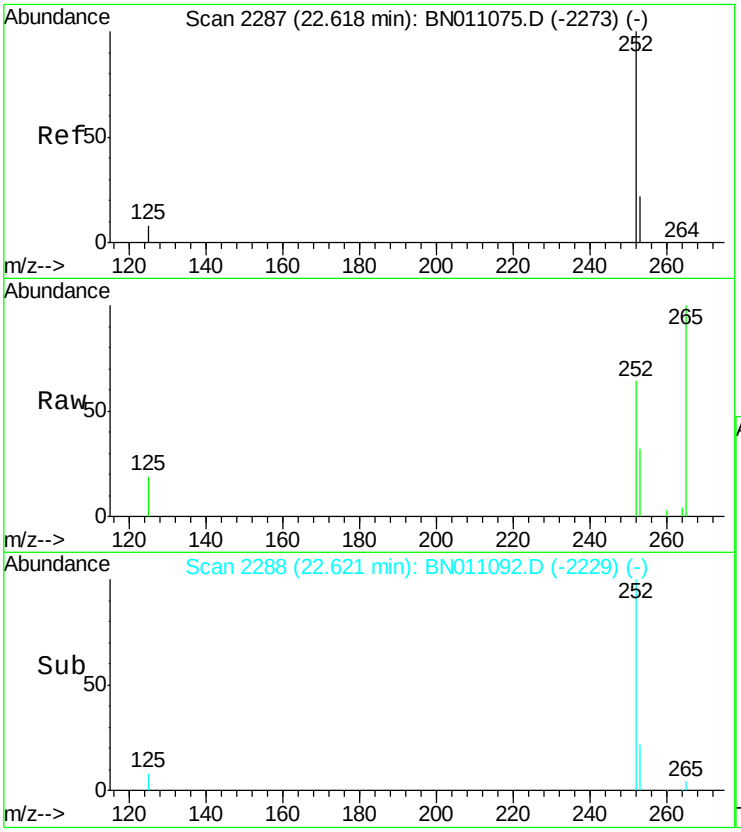


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.25 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:264 Resp: 4975

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.4	30.6
265	109.1	83.0	124.6





#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.62 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:252 Resp: 1612

Ion	Ratio	Lower	Upper
252	100		
253	49.6	22.7	34.1#
125	29.2	10.4	15.6#

Instrument :
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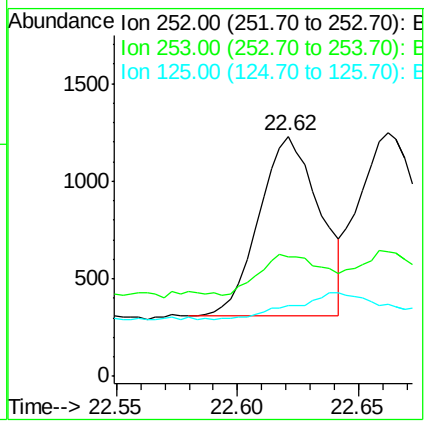
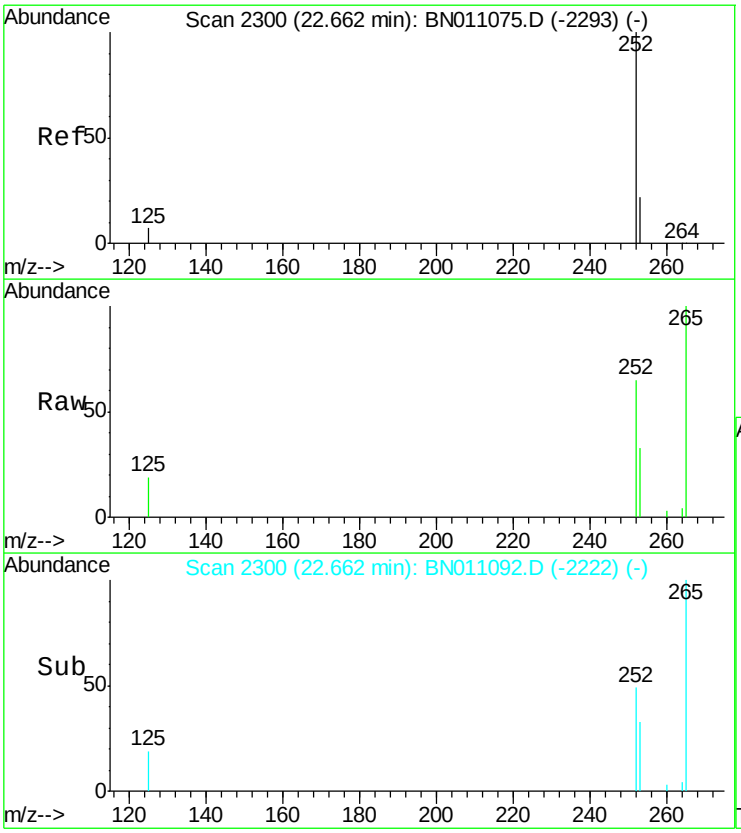
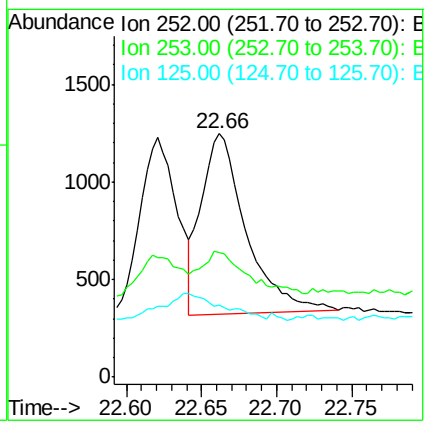


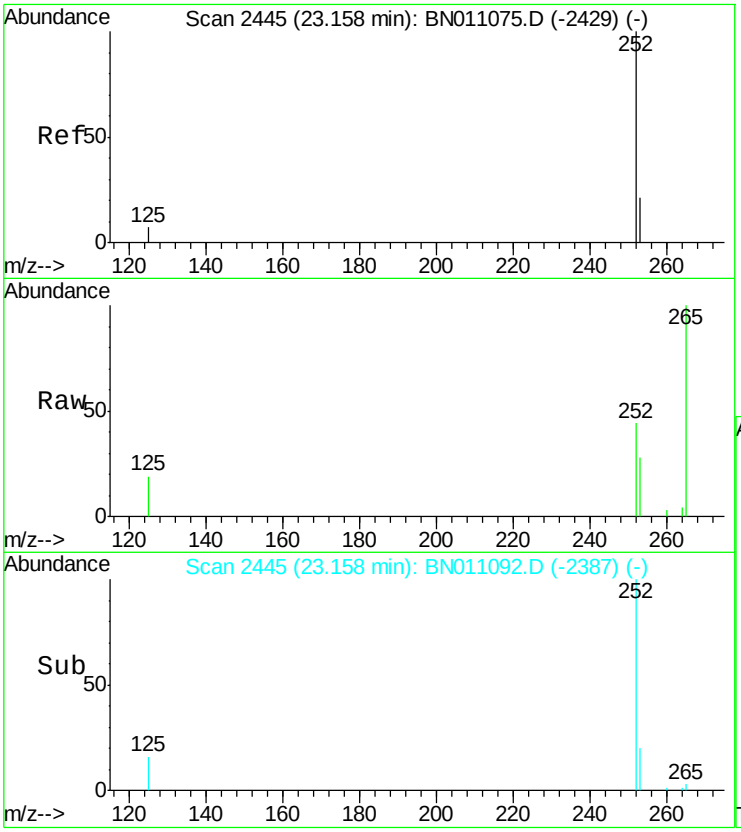


#38
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 22.66 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:252 Resp: 1912

Ion	Ratio	Lower	Upper
252	100		
253	51.4	22.9	34.3#
125	29.5	10.6	15.8#

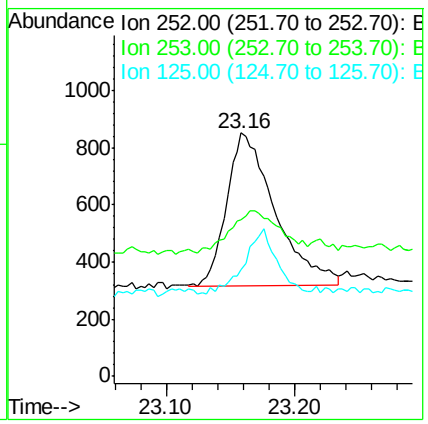




#39
Benzo(a)pyrene
Concen: 0.082 ng
RT: 23.16 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:252 Resp: 1406

Ion	Ratio	Lower	Upper
252	100		
253	64.2	25.9	38.9#
125	43.9	12.5	18.7#



Instrument :
BNA_N
ClientSampleId :
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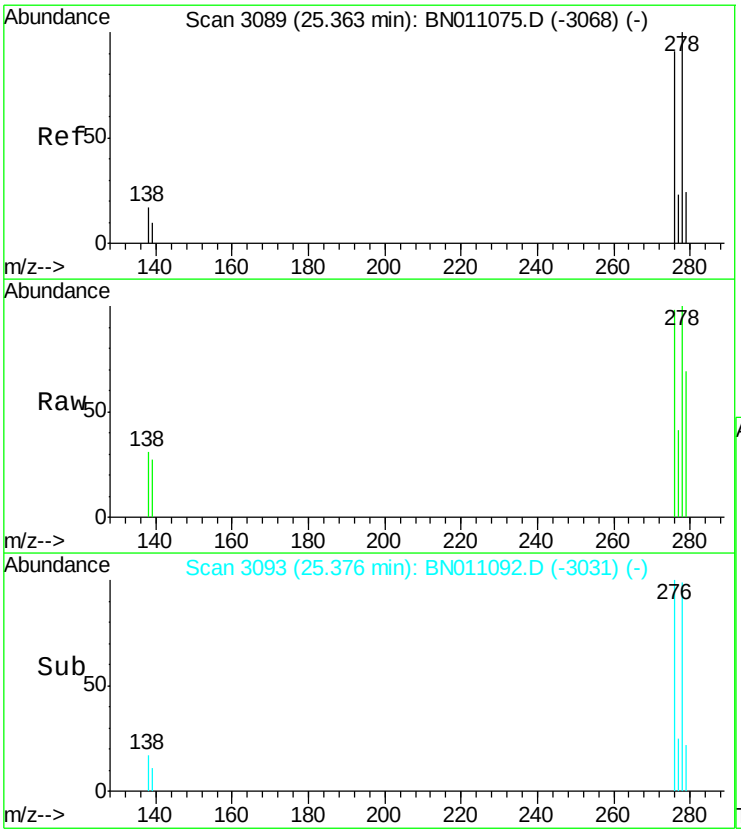
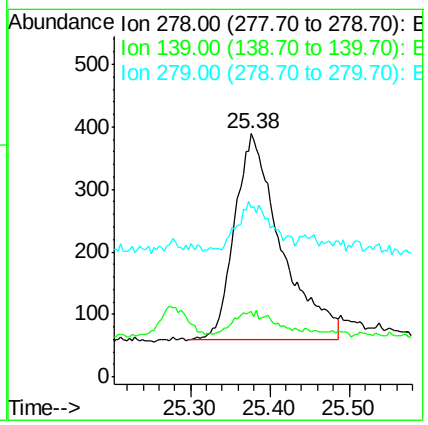
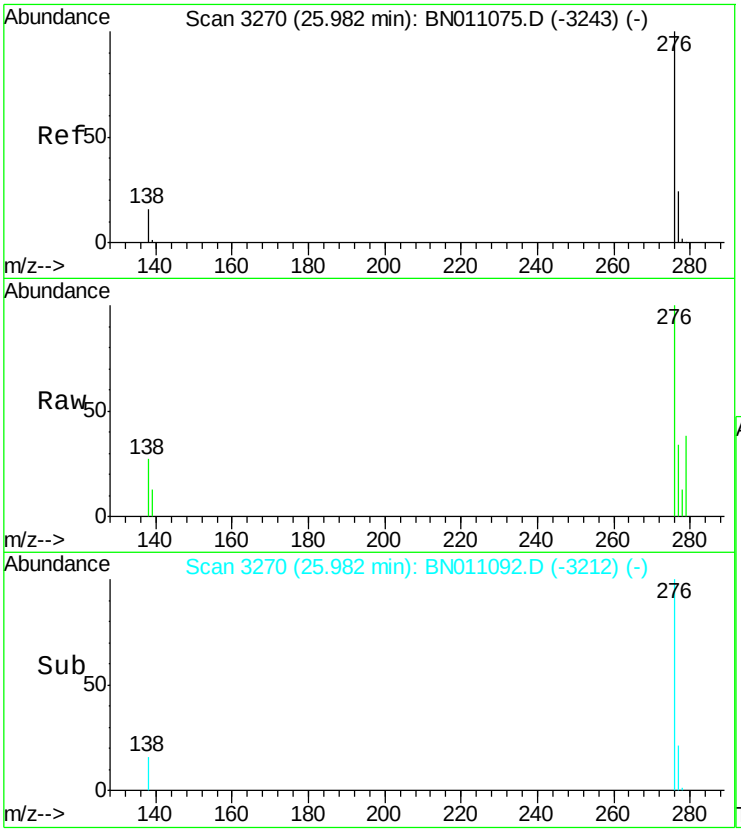


#40
Dibenzo(a,h)anthracene
Concen: 0.076 ng
RT: 25.38 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:278 Resp: 1347

Ion	Ratio	Lower	Upper
278	100		
139	27.0	11.9	17.9#
279	69.4	25.5	38.3#

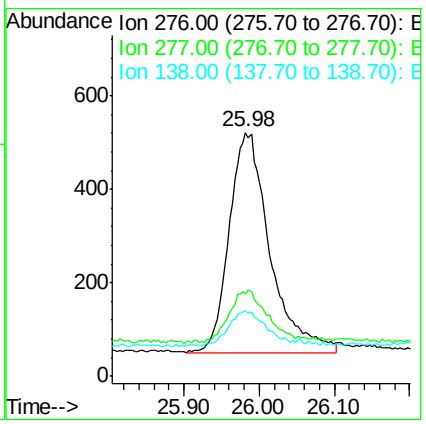




#41
Benzo(g,h,i)perylene
Concen: 0.089 ng
RT: 25.98 min Scan# 3270
Delta R.T. -0.00 min
Lab File: BN011092.D
Acq: 02 Jul 2020 18:54

Tgt Ion:276 Resp: 1723

Ion	Ratio	Lower	Upper
276	100		
277	33.8	21.1	31.7#
138	26.7	15.0	22.6#



Instrument :
BNA_N
ClientSampleId :
MDL-WATER-02

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