Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
Data File : BN009411.D
Acq On : 21 Jan 2020 12:52
Operator : JU
Sample : K5111-09
Misc : 0.1 MDL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Manual Integrations APPROVED
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Quant Time: Jan 21 16:24:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 16:08:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1256	0.40	ng		0.00
7) Naphthalene-d8	10.24	136	4115	0.40	ng		0.01
13) Acenaphthene-d10	14.11	164	2651	0.40	ng		0.00
19) Phenanthrene-d10	16.87	188	5730	0.40	ng		0.00
27) Chrysene-d12	21.07	240	4835	0.40	ng		0.00
34) Perylene-d12	23.19	264	4861	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.12	112	928	0.32	ng		0.00
5) Phenol-d6	6.69	99	923	0.28	ng		0.02
8) Nitrobenzene-d5	8.66	82	913	0.28	ng		0.02
11) 2-Methylnaphthalene-d10	11.85	152	2114	0.27	ng		0.02
14) 2,4,6-Tribromophenol	15.64	330	261	0.26	ng		0.02
15) 2-Fluorobiphenyl	12.74	172	3091	0.31	ng		0.02
25) Fluoranthene-d10	18.90	212	4972	0.25	ng		0.00
29) Terphenyl-d14	19.51	244	4005	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.14	88	112	0.086	ng	#	63
3) n-Nitrosodimethylamine	3.51	42	201m	0.099	ng		
6) bis(2-Chloroethyl)ether	6.94	93	247m	0.072	ng		
9) Naphthalene	10.29	128	922	0.083	ng	#	72
10) Hexachlorobutadiene	10.57	225	206	0.084	ng	#	99
12) 2-Methylnaphthalene	11.93	142	605	0.078	ng	#	86
16) Acenaphthylene	13.82	152	838	0.073	ng		98
17) Acenaphthene	14.17	154	631	0.078	ng		98
18) Fluorene	15.18	166	816	0.078	ng		97
20) 4-Bromophenyl-phenylether	16.08	248	239	0.069	ng	#	89
21) Hexachlorobenzene	16.18	284	279	0.076	ng		92
22) Pentachlorophenol	16.58	266	156	0.151	ng		90
23) Phenanthrene	16.91	178	1325	0.077	ng		98
24) Anthracene	17.02	178	980	0.068	ng		96
26) Fluoranthene	18.93	202	1603	0.079	ng		99
28) Pyrene	19.30	202	1582	0.086	ng		99
30) Benzo(a)anthracene	21.07	228	1148	0.072	ng	#	91
31) Chrysene	21.11	228	1661m	0.091	ng		
32) Bis(2-ethylhexyl)phthalate	21.00	149	556	0.079	ng	#	98
33) Indeno(1,2,3-cd)pyrene	25.29	276	1435	0.076	ng	#	70
35) Benzo(b)fluoranthene	22.57	252	1223	0.068	ng	#	48
36) Benzo(k)fluoranthene	22.62	252	1823m	0.092	ng		
37) Benzo(a)pyrene	23.11	252	1370	0.087	ng	#	29
38) Dibenzo(a,h)anthracene	25.31	278	1047	0.066	ng	#	37
39) Benzo(g,h,i)perylene	25.91	276	1449	0.083	ng	#	77

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
Data File : BN009411.D
Acq On : 21 Jan 2020 12:52
Operator : JU
Sample : K5111-09
Misc : 0.1 MDL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 21 16:24:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 16:08:29 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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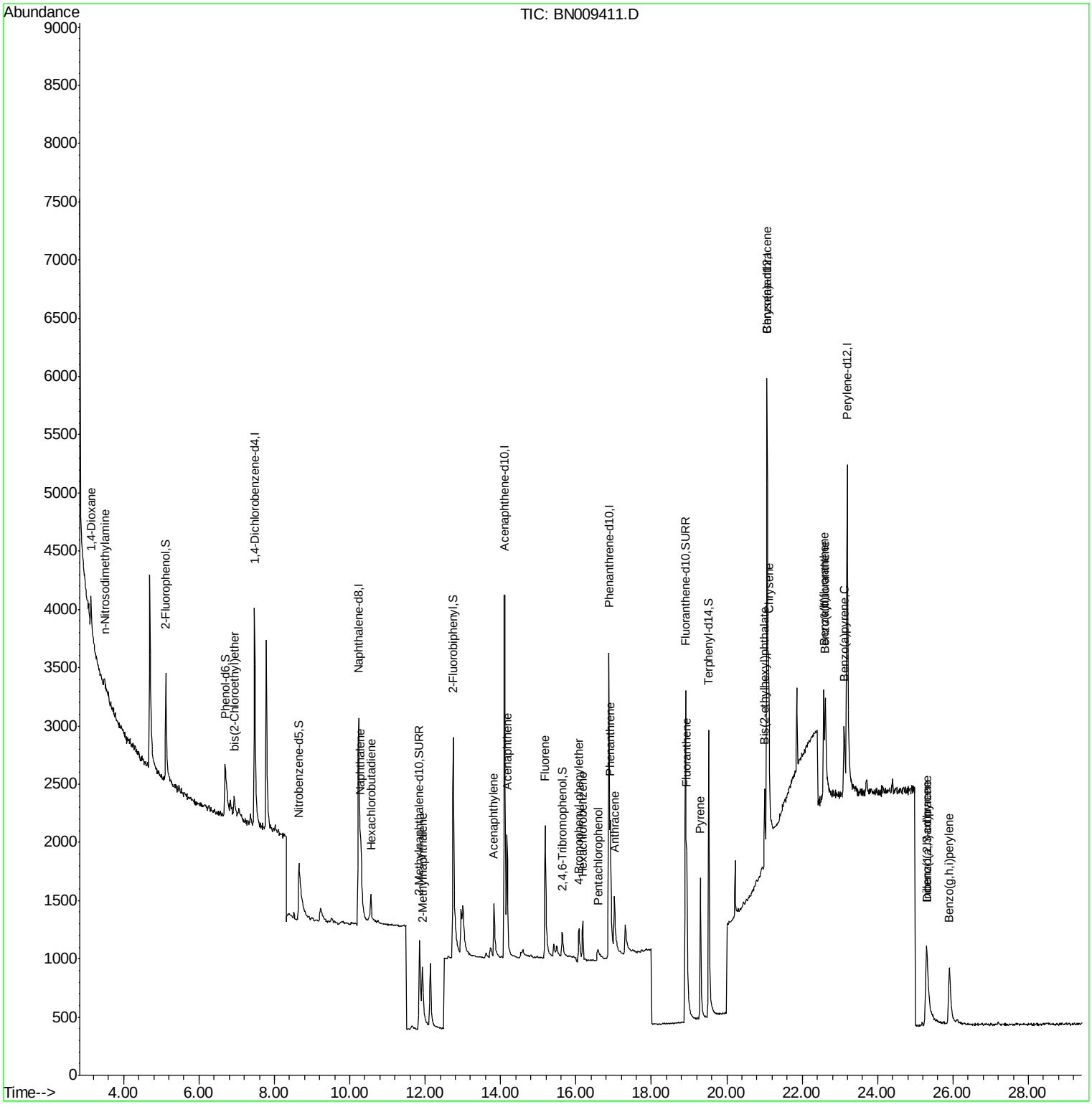
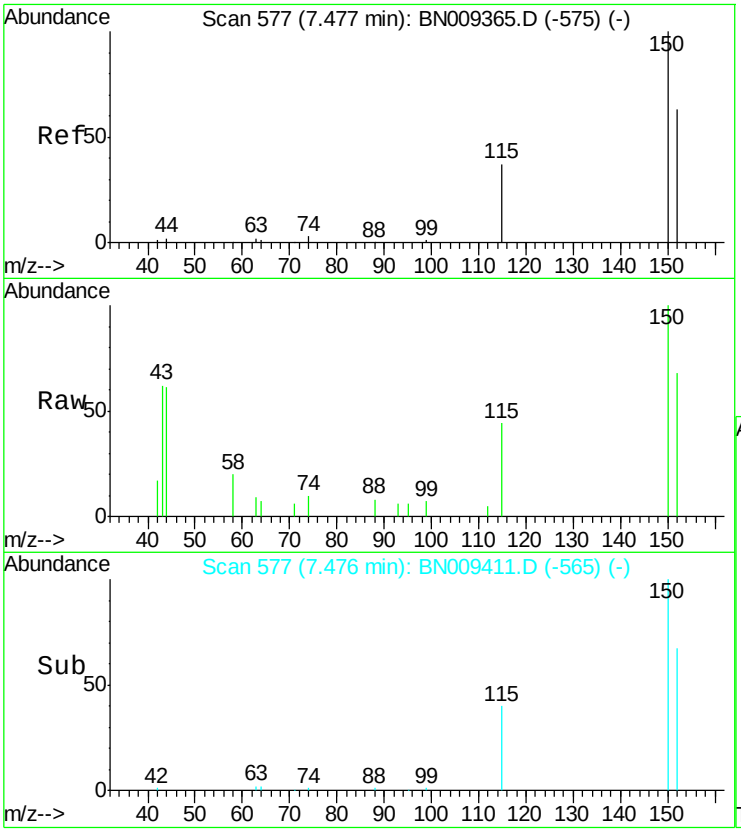
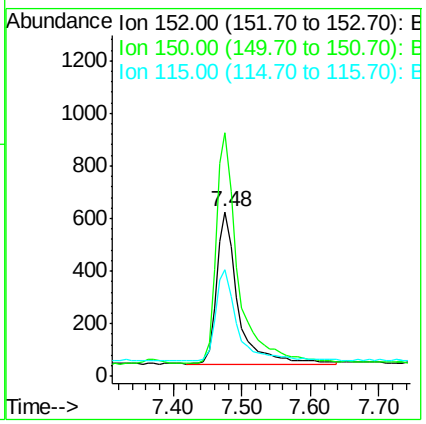




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:152 Resp: 1256

Ion	Ratio	Lower	Upper
152	100		
150	147.9	125.7	188.5
115	64.9	53.3	79.9



Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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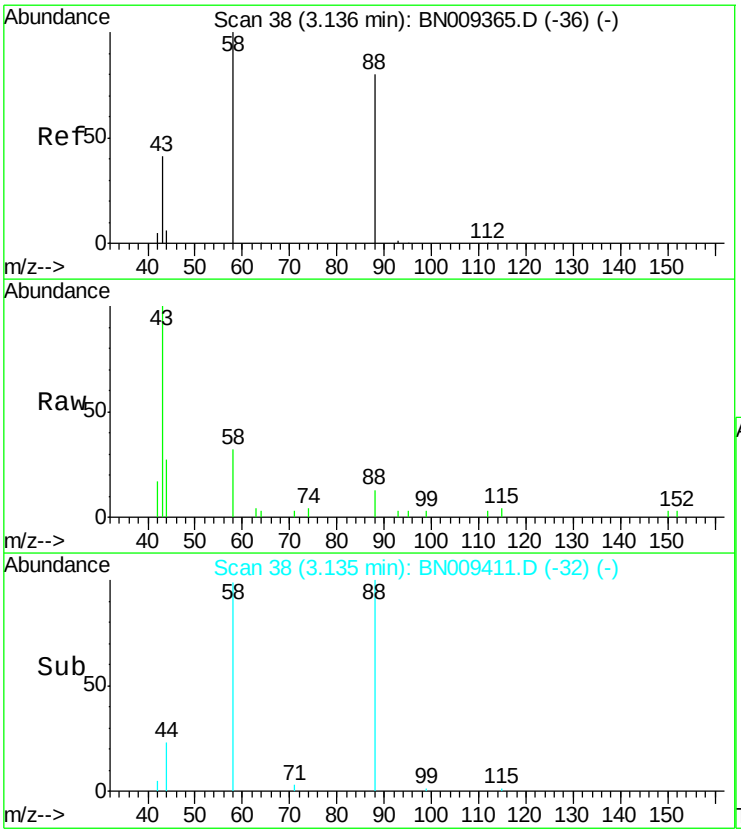
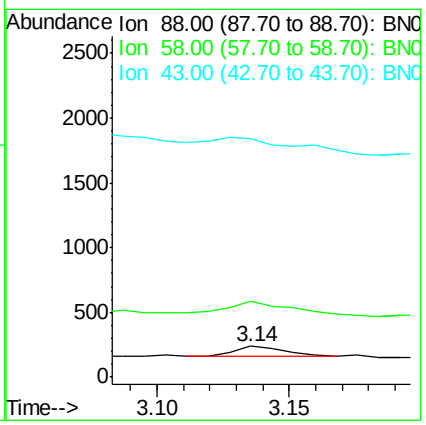
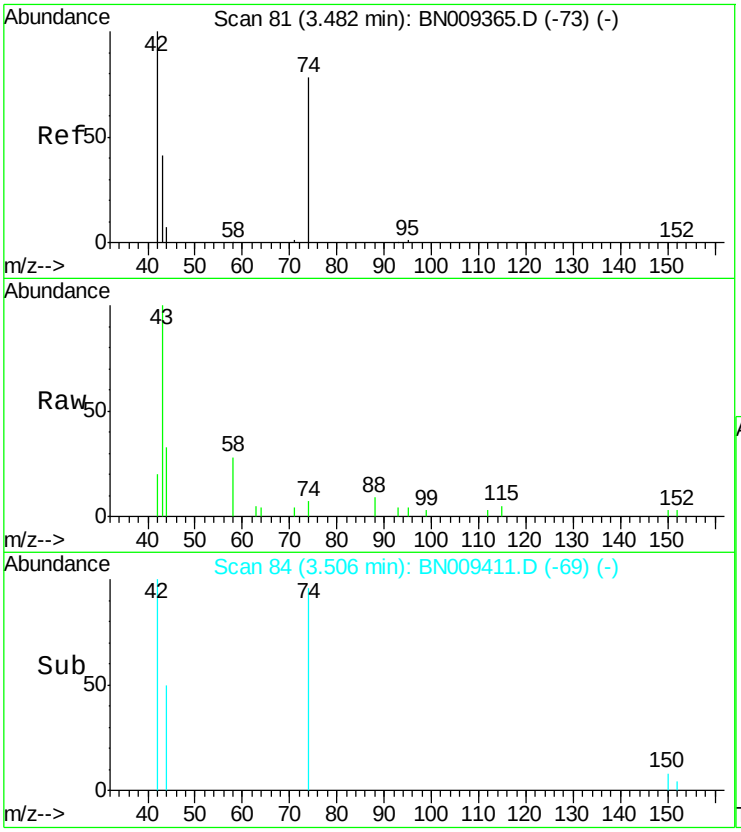


#2
1,4-Dioxane
Concen: 0.086 ng
RT: 3.14 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion: 88 Resp: 112

Ion	Ratio	Lower	Upper
88	100		
58	149.1	100.2	150.2
43	0.0	43.1	64.7#

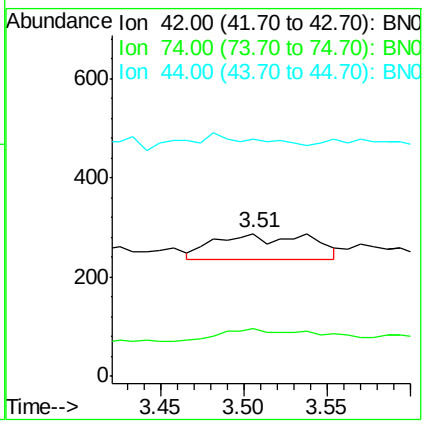




#3
n-Nitrosodimethylamine
Concen: 0.099 ng m
RT: 3.51 min Scan# 84
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion: 42 Resp: 201

Ion	Ratio	Lower	Upper
42	100		
74	42.8	55.8	83.8#
44	0.0	11.1	16.7#



Instrument :
BNA_N
ClientSampleId :
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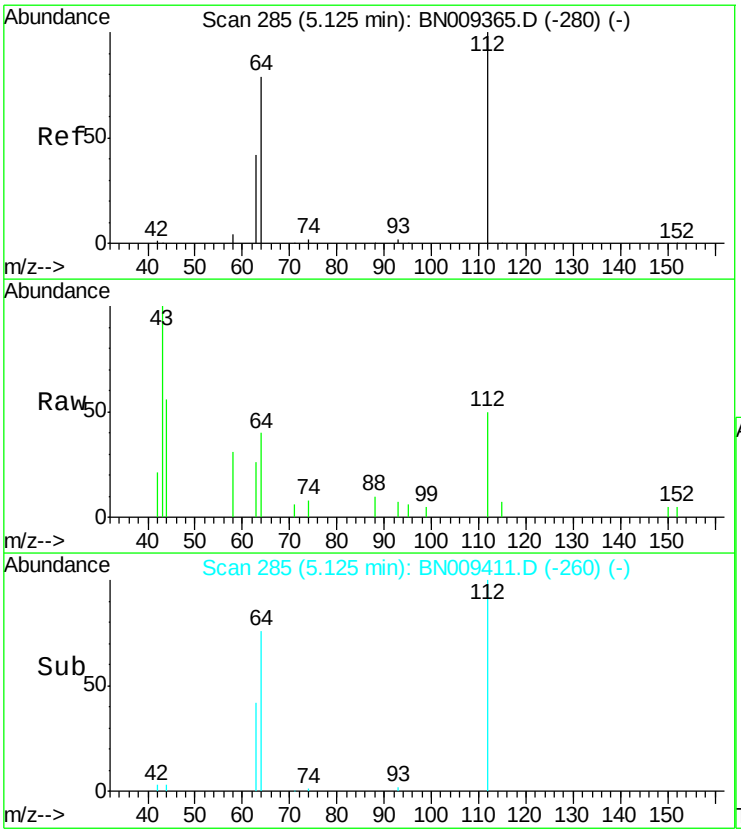
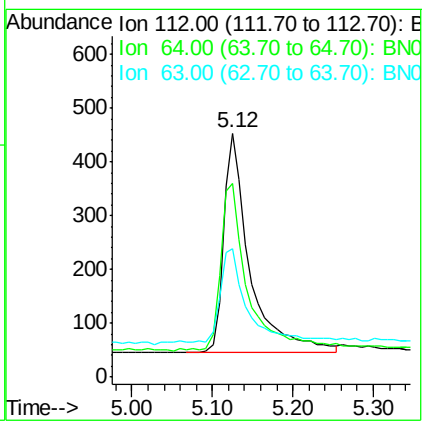
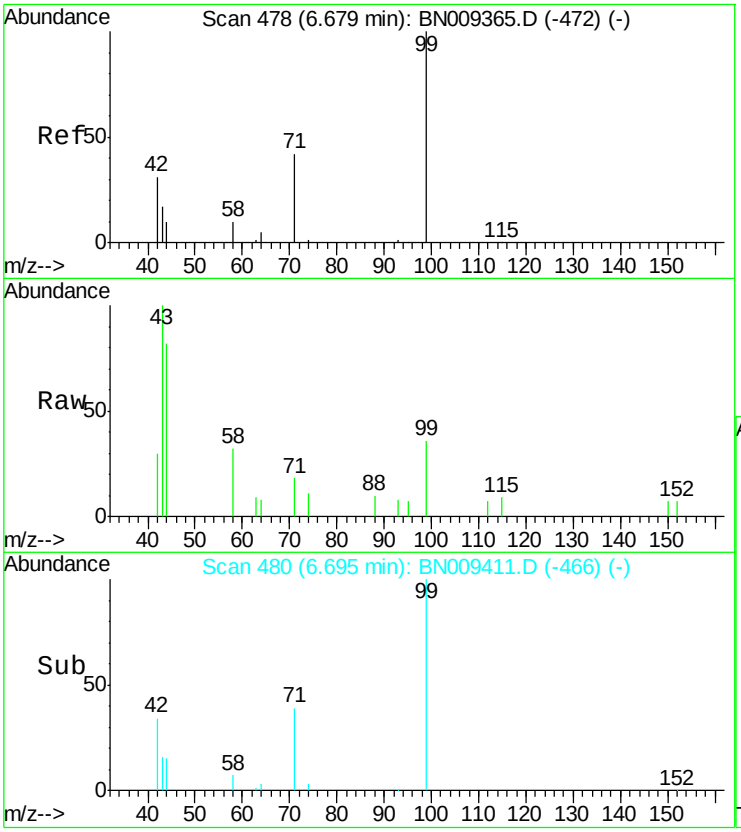


#4
2-Fluorophenol
Concen: 0.321 ng
RT: 5.12 min Scan# 285
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:112 Resp: 928

Ion	Ratio	Lower	Upper
112	100		
64	82.5	61.5	92.3
63	44.5	35.0	52.4





#5
Phenol-d6
Concen: 0.276 ng
RT: 6.69 min Scan# 480
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion: 99 Resp: 923

Ion	Ratio	Lower	Upper
99	100		
42	32.5	27.6	41.4
71	42.3	33.0	49.6

Instrument :
BNA_N
ClientSampleId :
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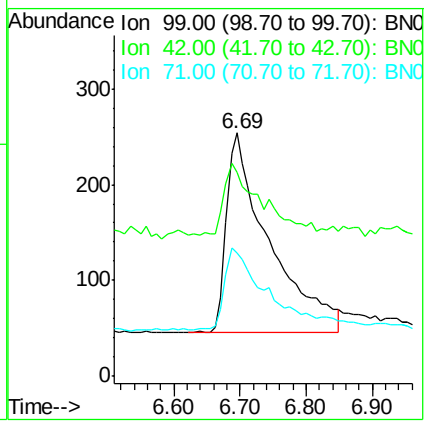
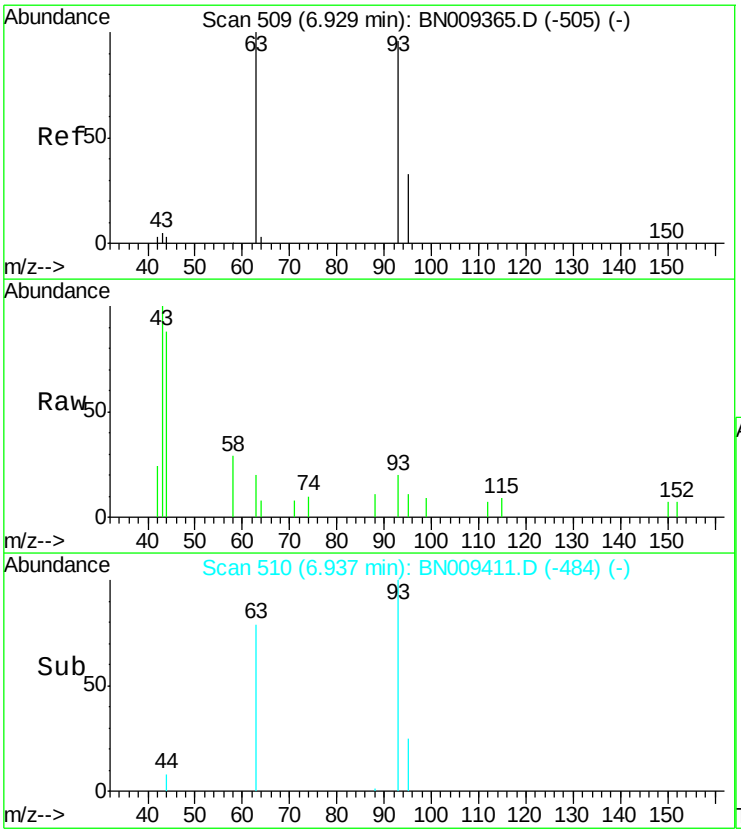
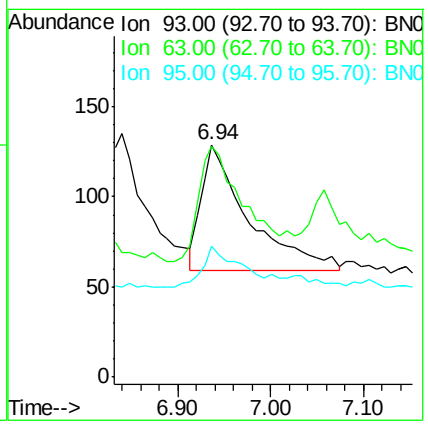


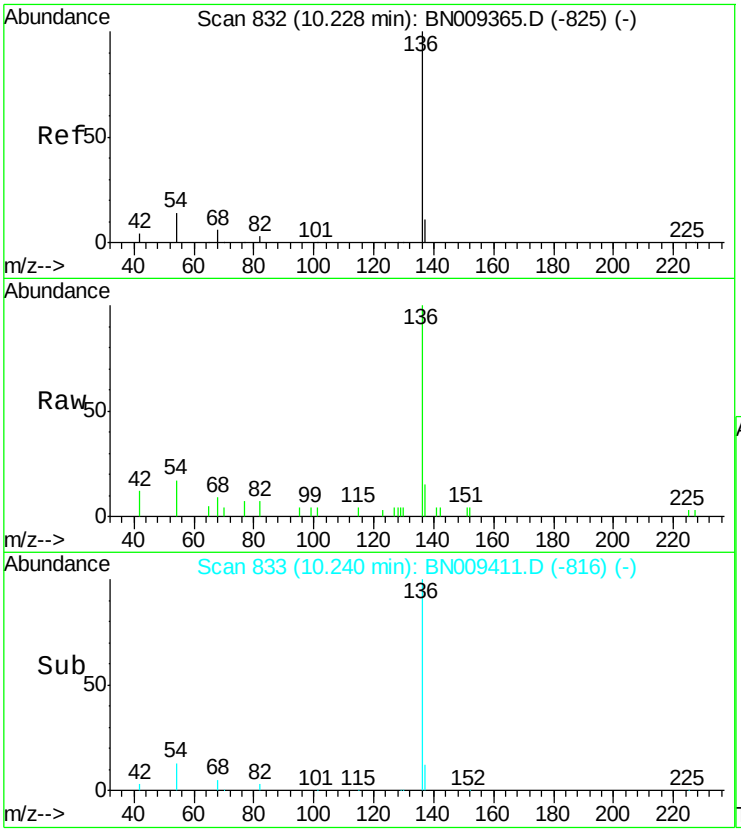


#6
bis(2-Chloroethyl)ether
Concen: 0.072 ng m
RT: 6.94 min Scan# 510
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion: 93 Resp: 247

Ion	Ratio	Lower	Upper
93	100		
63	93.5	85.1	127.7
95	28.3	30.2	45.4#

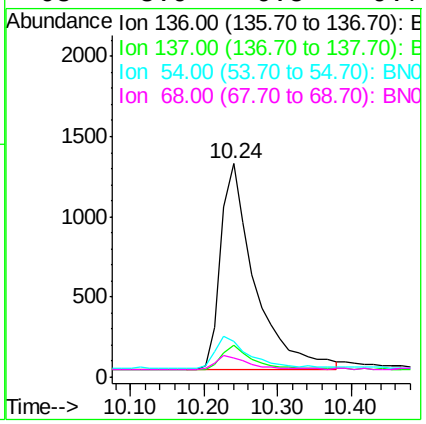




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.24 min Scan# 833
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:136 Resp: 4115

Ion	Ratio	Lower	Upper
136	100		
137	15.0	10.3	15.5
54	17.1	12.6	19.0
68	8.9	6.5	9.7



Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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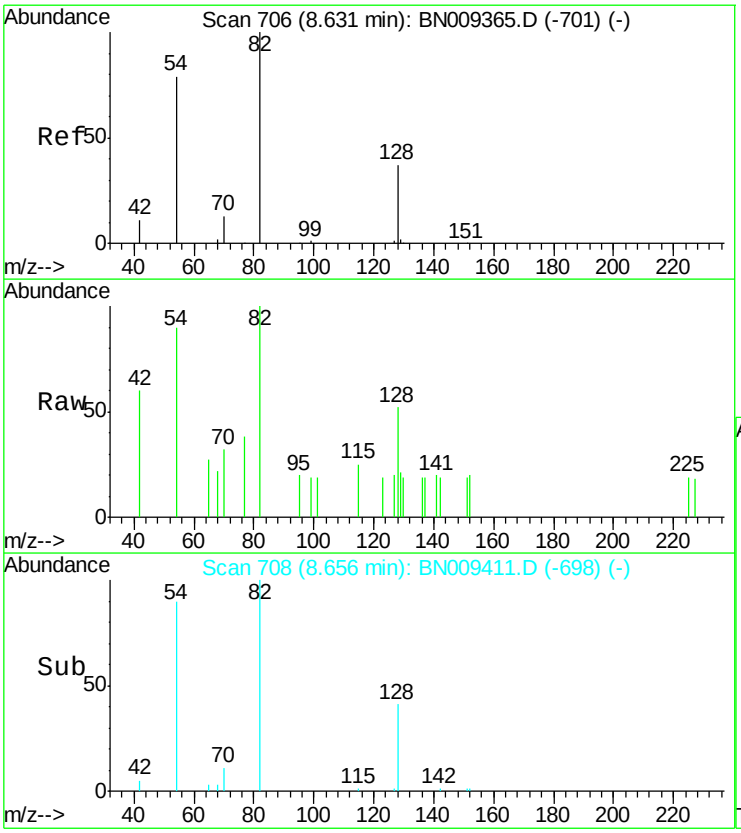
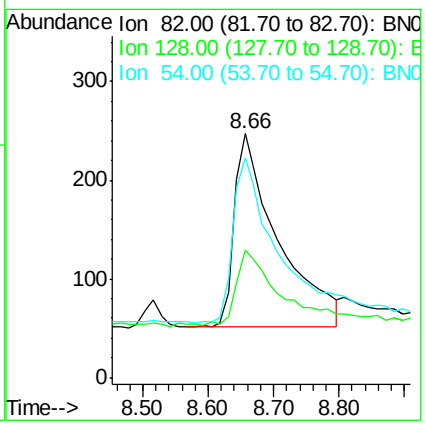
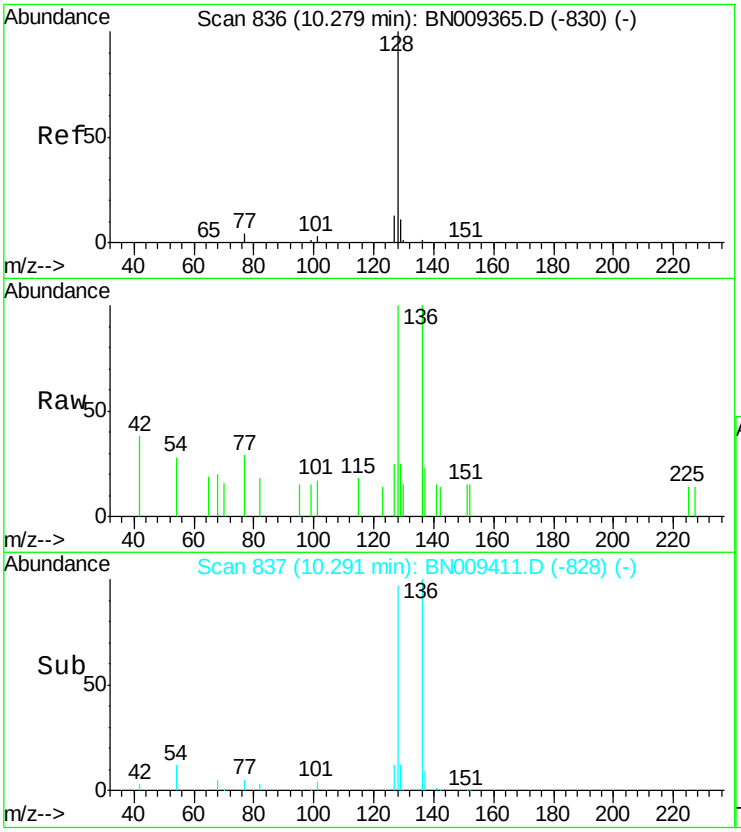


#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 8.66 min Scan# 708
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion: 82 Resp: 913

Ion	Ratio	Lower	Upper
82	100		
128	52.2	34.8	52.2#
54	90.3	65.8	98.6





#9
Naphthalene
Concen: 0.083 ng
RT: 10.29 min Scan# 837
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:128 Resp: 922

Ion	Ratio	Lower	Upper
128	100		
129	24.9	10.4	15.6#
127	24.9	11.4	17.2#

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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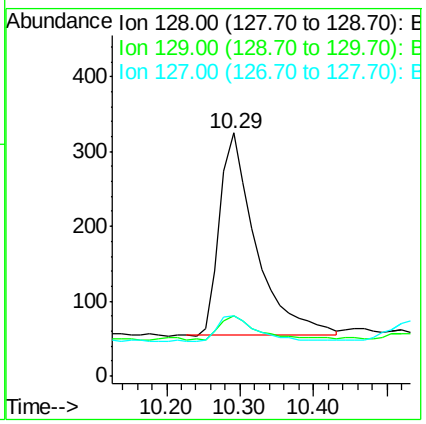
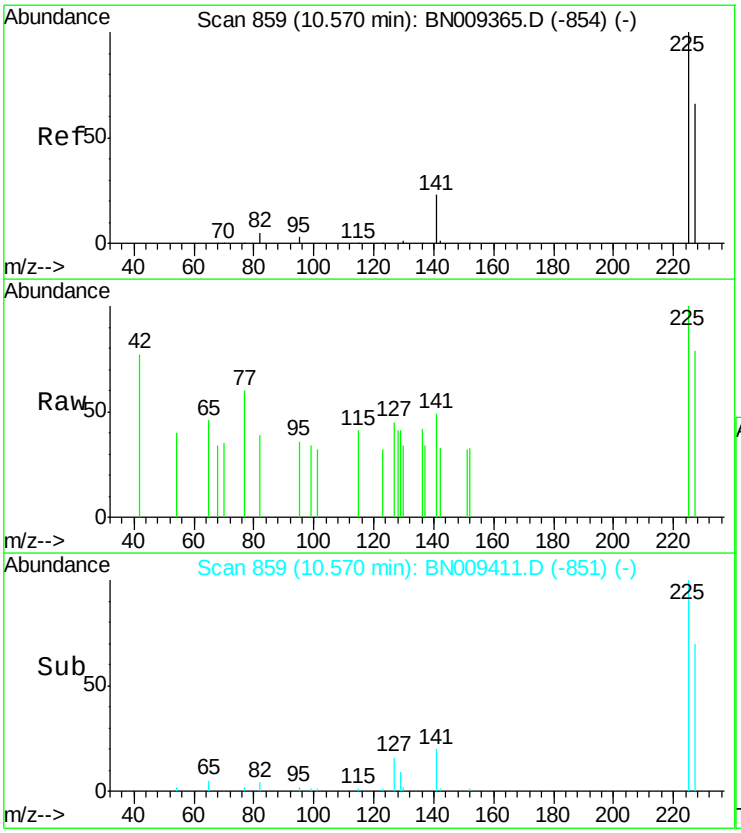
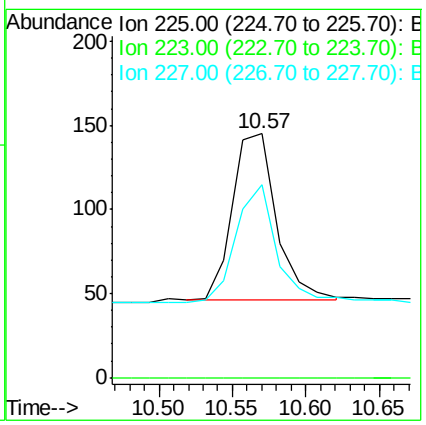


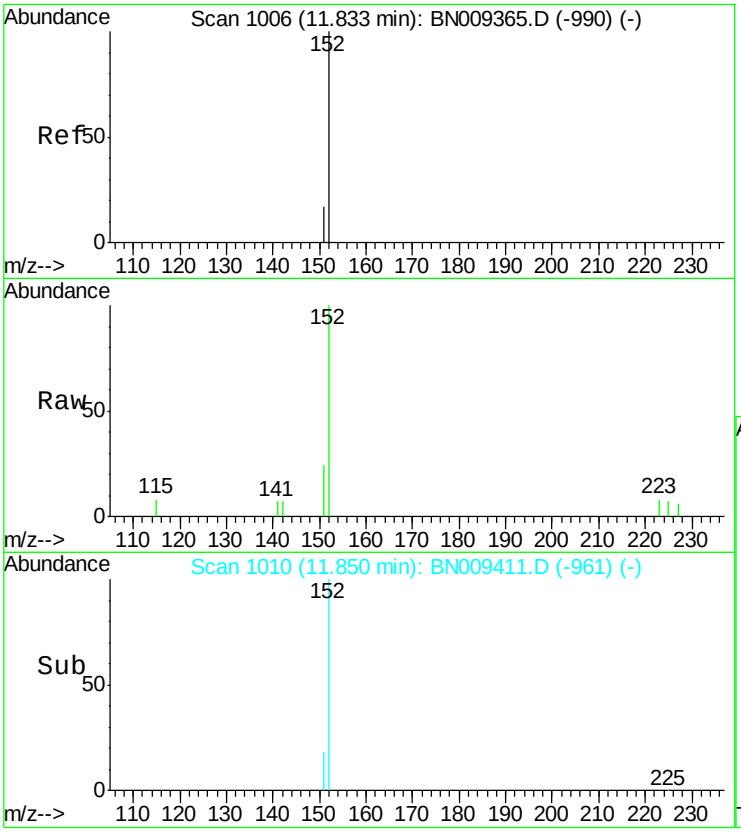


#10
Hexachlorobutadiene
Concen: 0.084 ng
RT: 10.57 min Scan# 859
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:225 Resp: 206

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	52.6	78.8





#11
2-Methylnaphthalene-d10
Concen: 0.266 ng
RT: 11.85 min Scan# 1010
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:152 Resp: 2114

Ion	Ratio	Lower	Upper
152	100		
151	19.0	14.8	22.2

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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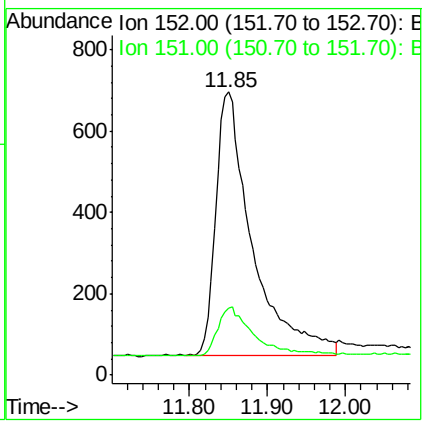
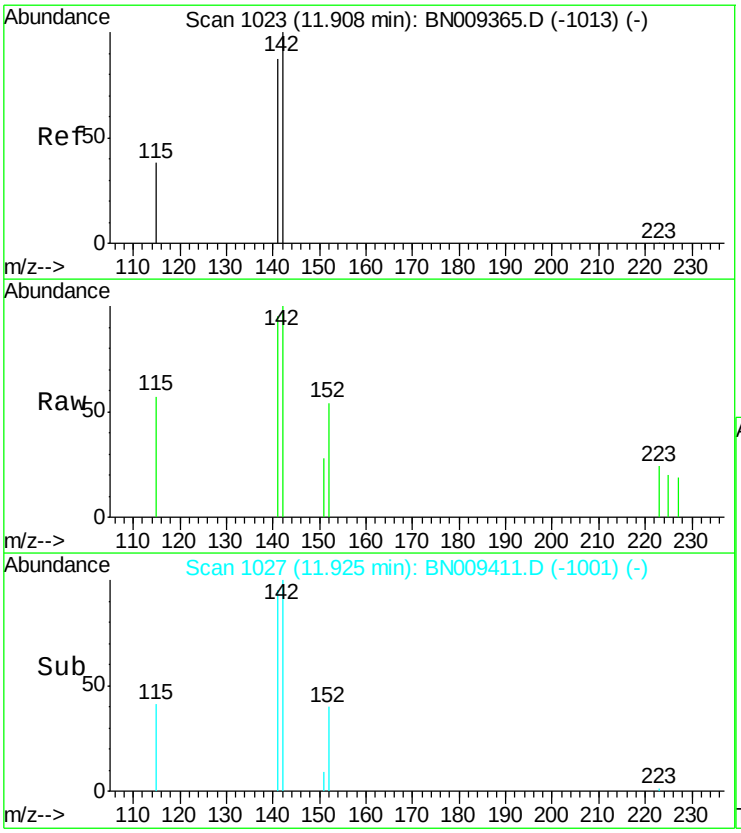
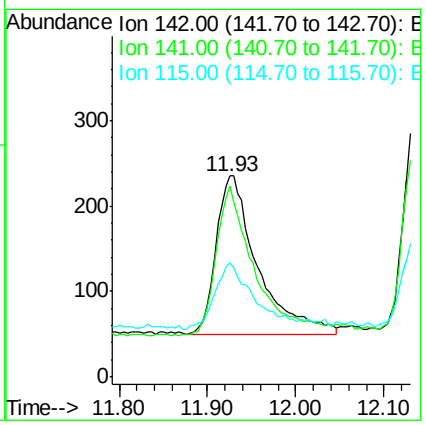


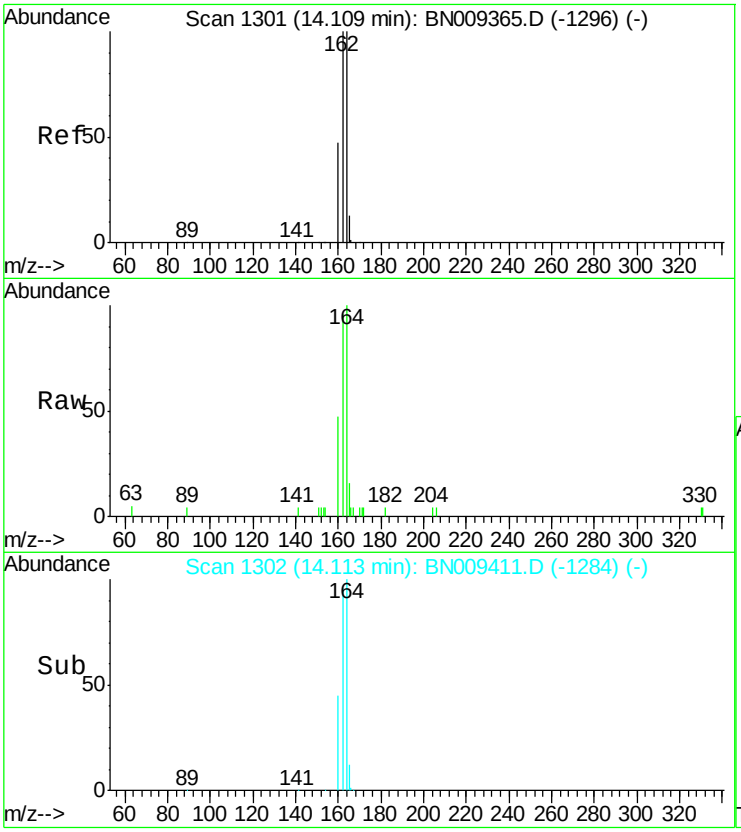


#12
2-Methylnaphthalene
Concen: 0.078 ng
RT: 11.93 min Scan# 1027
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:142 Resp: 605

Ion	Ratio	Lower	Upper
142	100		
141	94.9	69.8	104.6
115	57.0	32.5	48.7#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.11 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:164 Resp: 2651

Ion	Ratio	Lower	Upper
164	100		
162	96.4	79.8	119.6
160	46.6	38.4	57.6

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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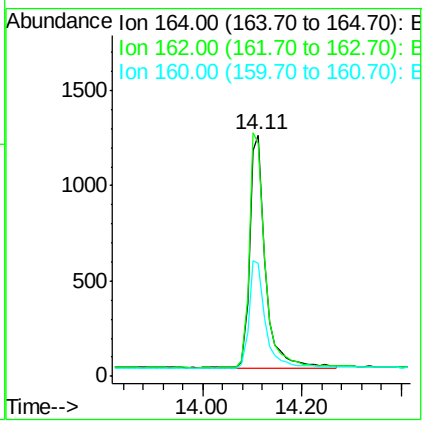
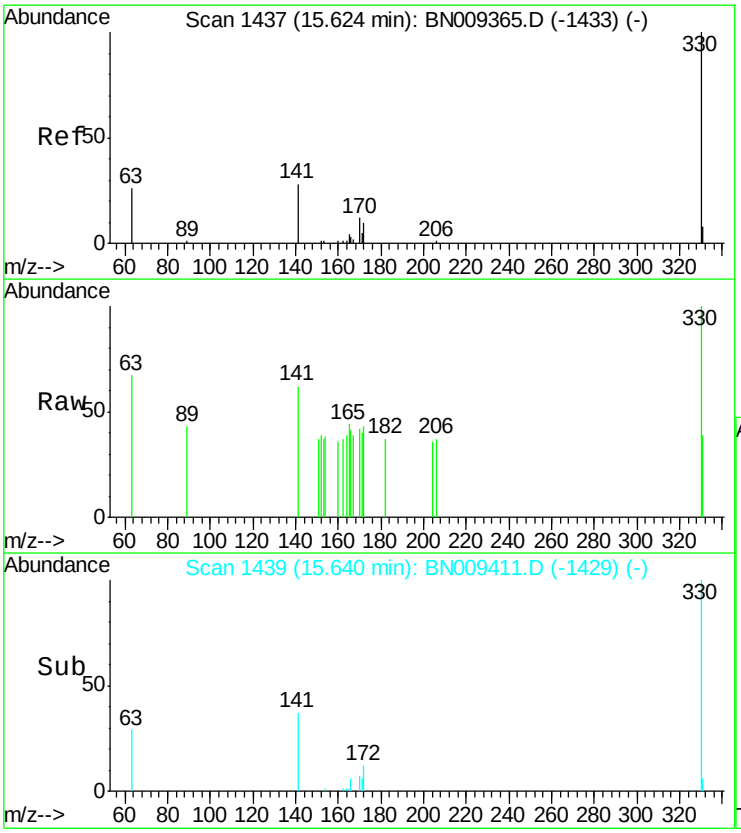
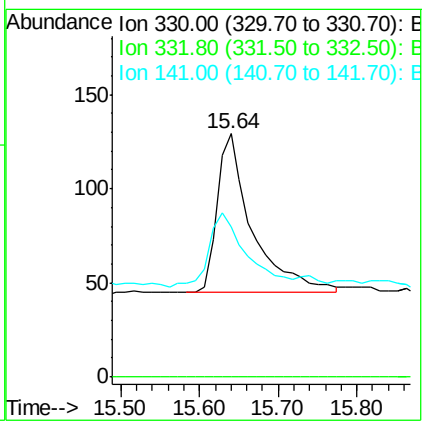


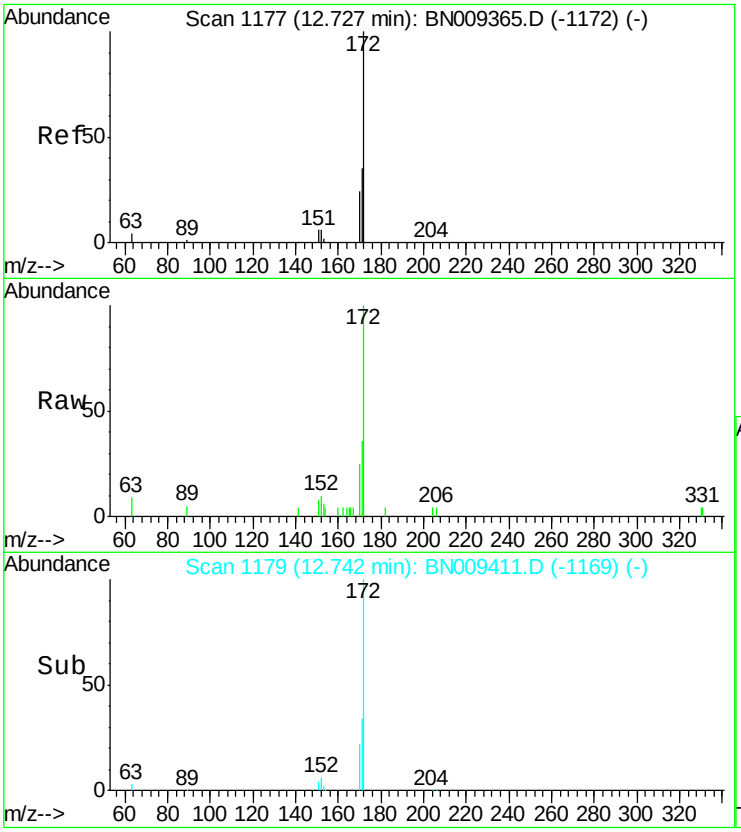


#14
2,4,6-Tribromophenol
Concen: 0.260 ng
RT: 15.64 min Scan# 1439
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:330 Resp: 261

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.0	33.1	49.7

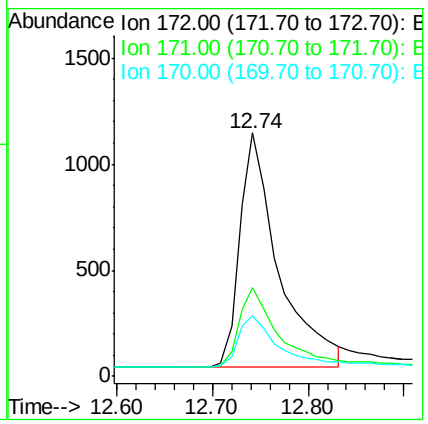




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.74 min Scan# 1179
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:172 Resp: 3091

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.5	44.3
170	24.8	20.7	31.1



Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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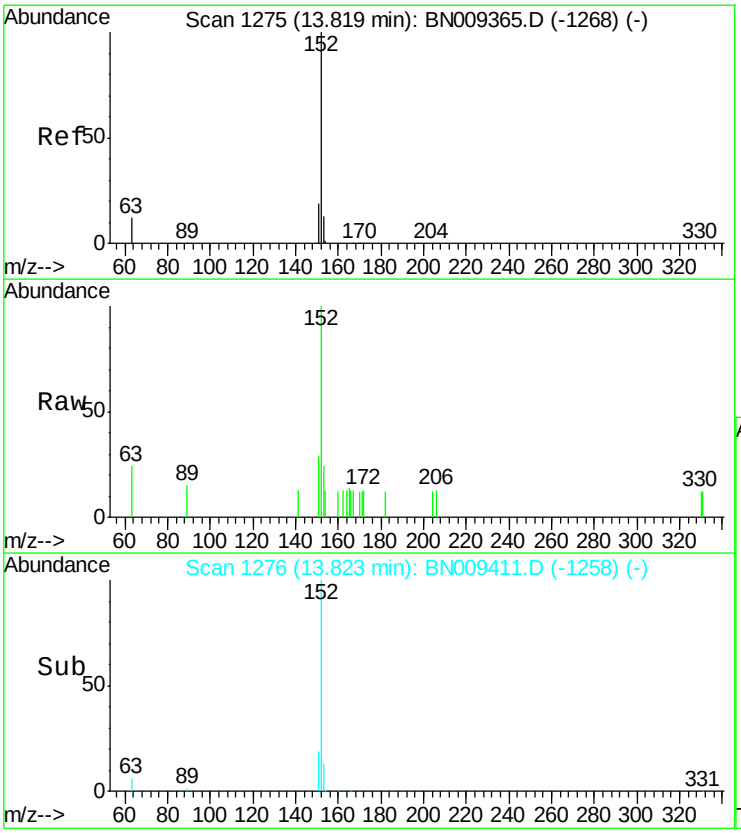
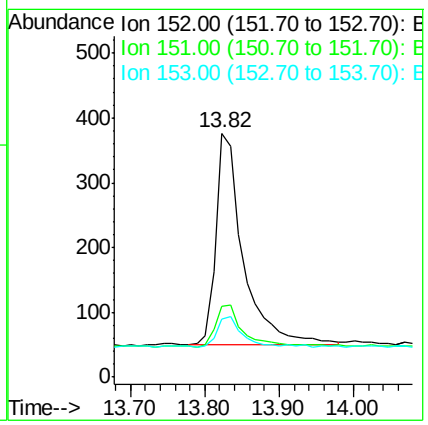
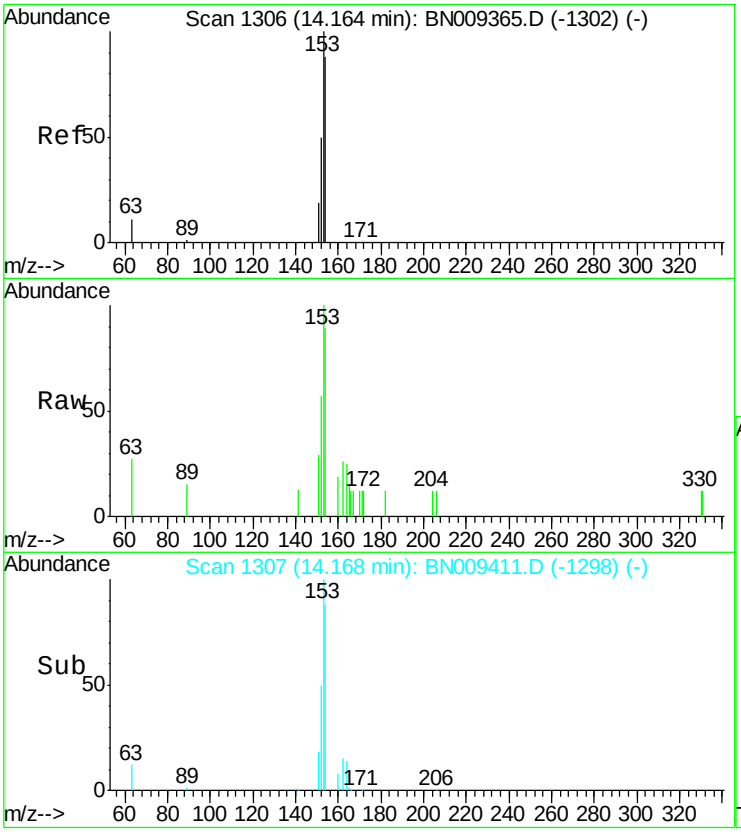


#16
Acenaphthylene
Concen: 0.073 ng
RT: 13.82 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:152 Resp: 838

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.2
153	12.8	10.4	15.6

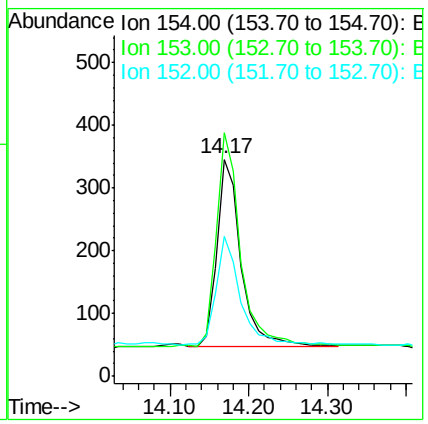




#17
Acenaphthene
Concen: 0.078 ng
RT: 14.17 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:154 Resp: 631

Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.5	135.7
152	59.0	45.3	67.9



Instrument :
BNA_N
ClientSampleId :
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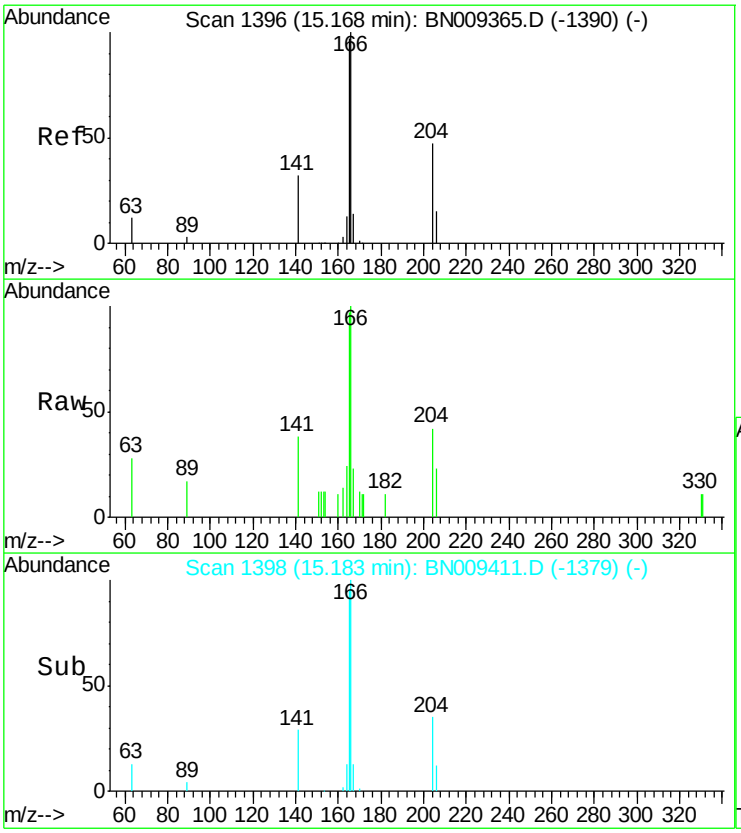
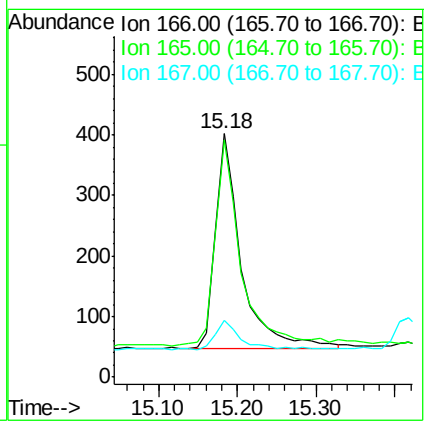
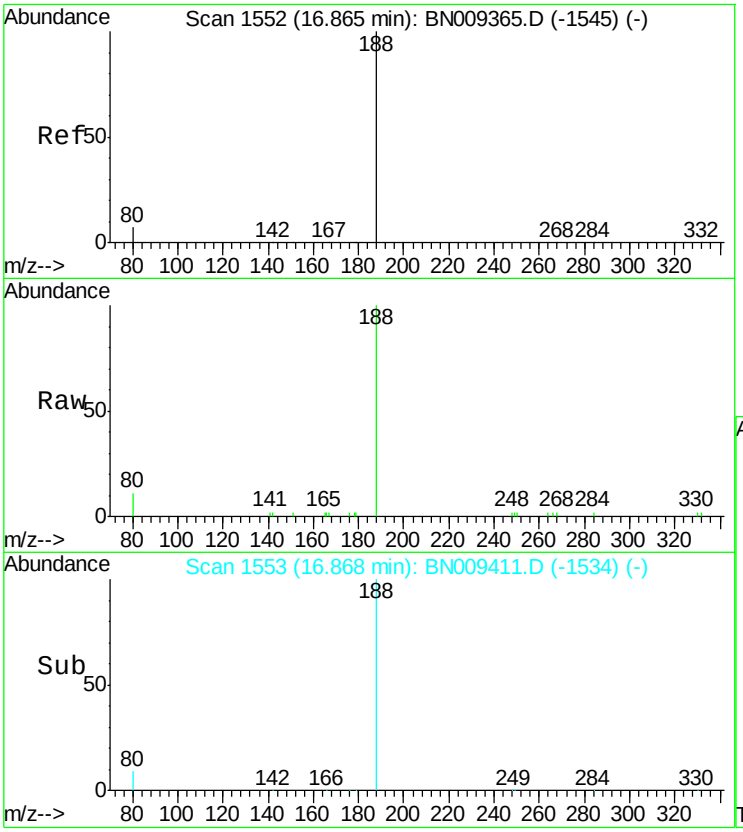


#18
Fluorene
Concen: 0.078 ng
RT: 15.18 min Scan# 1398
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:166 Resp: 816

Ion	Ratio	Lower	Upper
166	100		
165	94.9	78.2	117.2
167	13.5	11.0	16.6





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.87 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:188 Resp: 5730

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	6.6	10.0#

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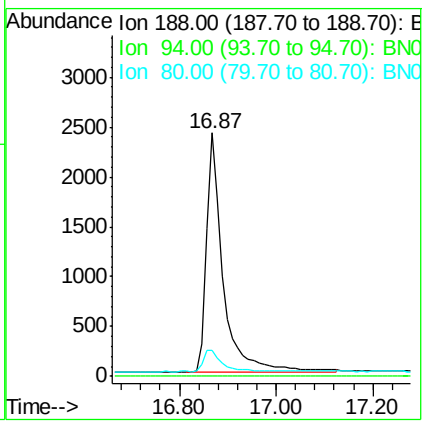
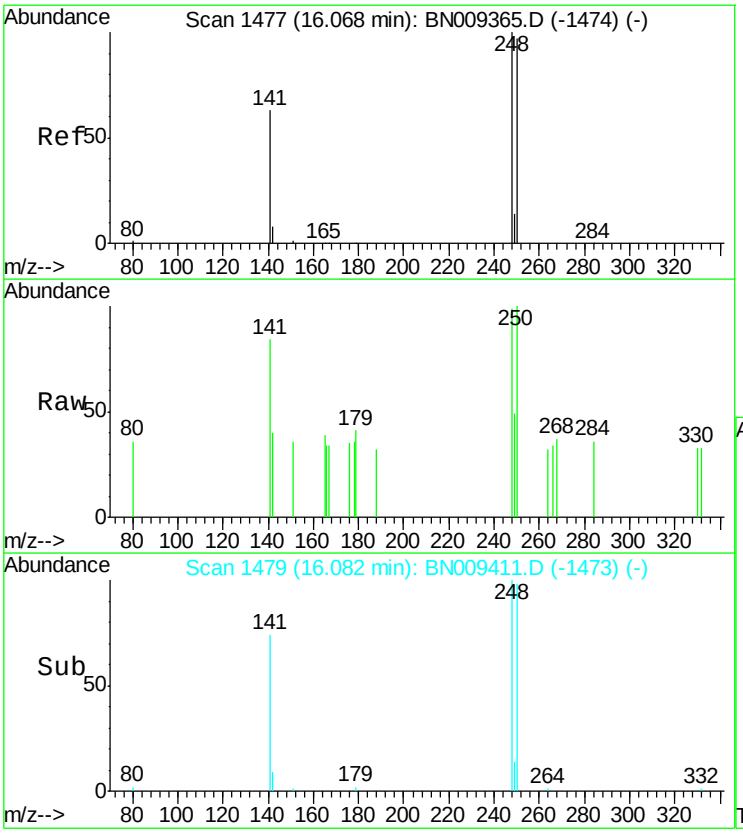
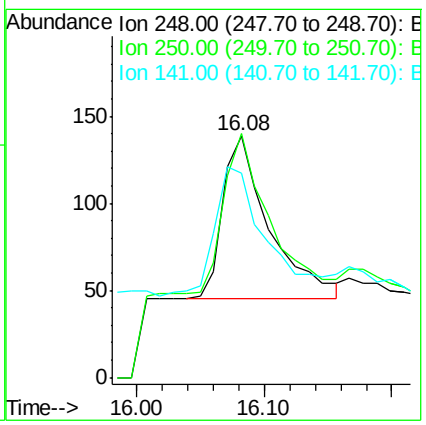


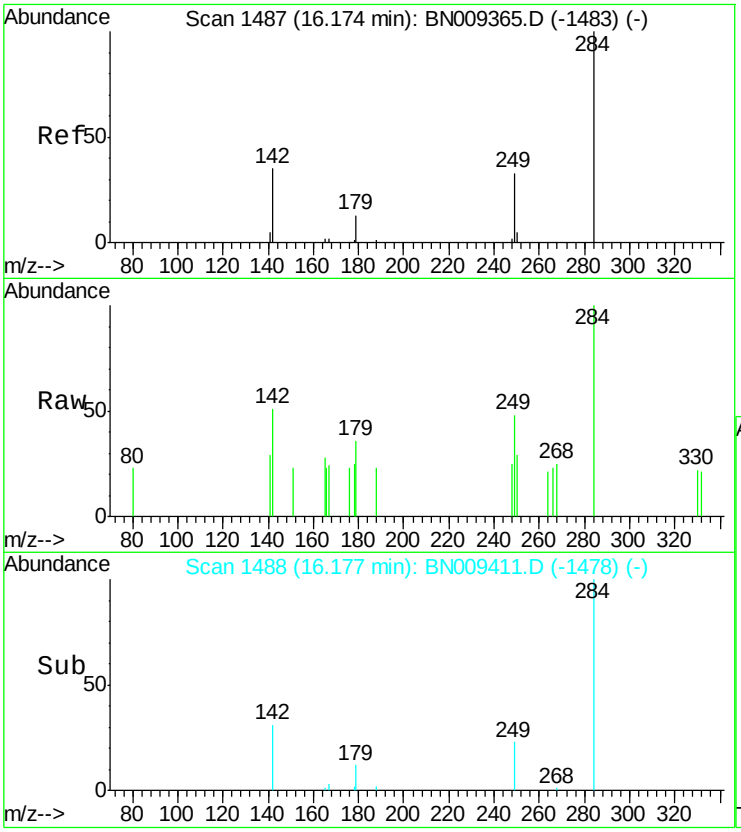


#20
4-Bromophenyl-phenylether
Concen: 0.069 ng
RT: 16.08 min Scan# 1479
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:248 Resp: 239

Ion	Ratio	Lower	Upper
248	100		
250	100.7	77.8	116.8
141	84.2	53.4	80.0#

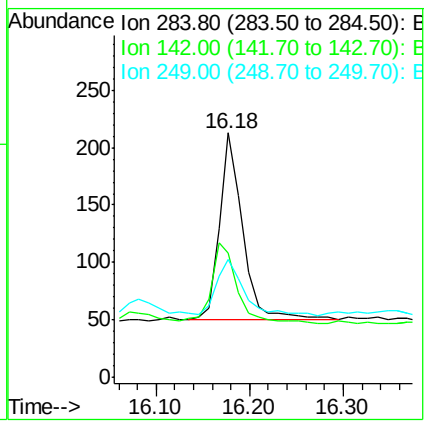




#21
Hexachlorobenzene
Concen: 0.076 ng
RT: 16.18 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:284 Resp: 279

Ion	Ratio	Lower	Upper
284	100		
142	48.4	33.8	50.8
249	37.6	27.0	40.4



Instrument :
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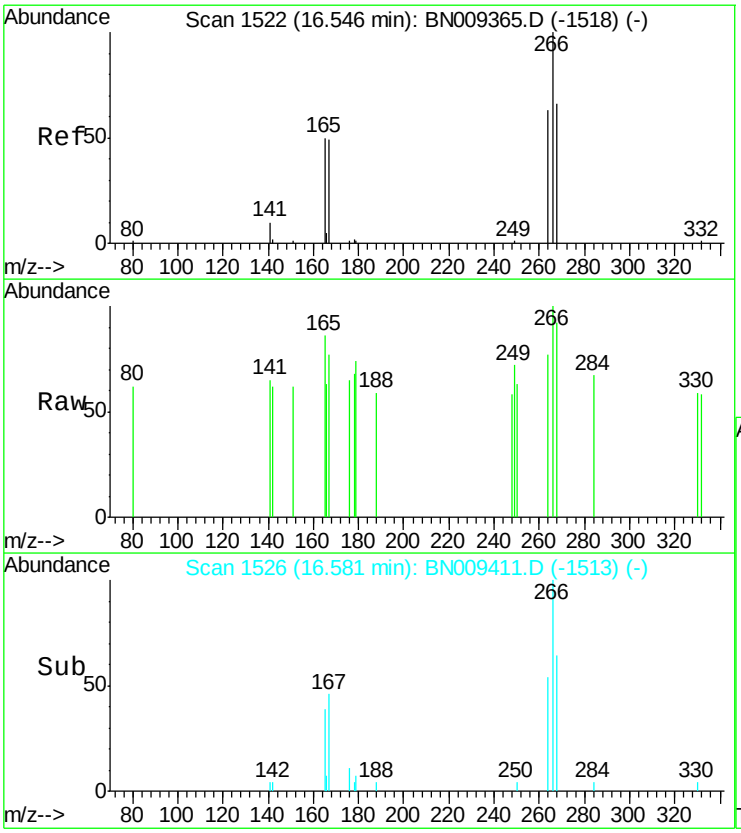
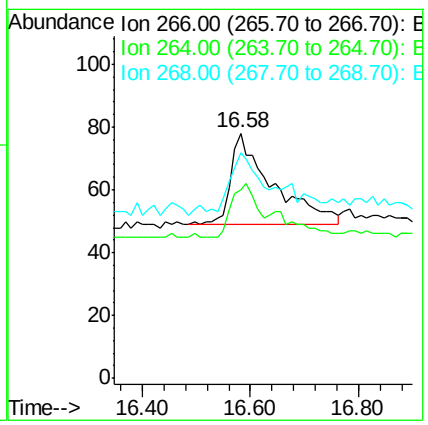
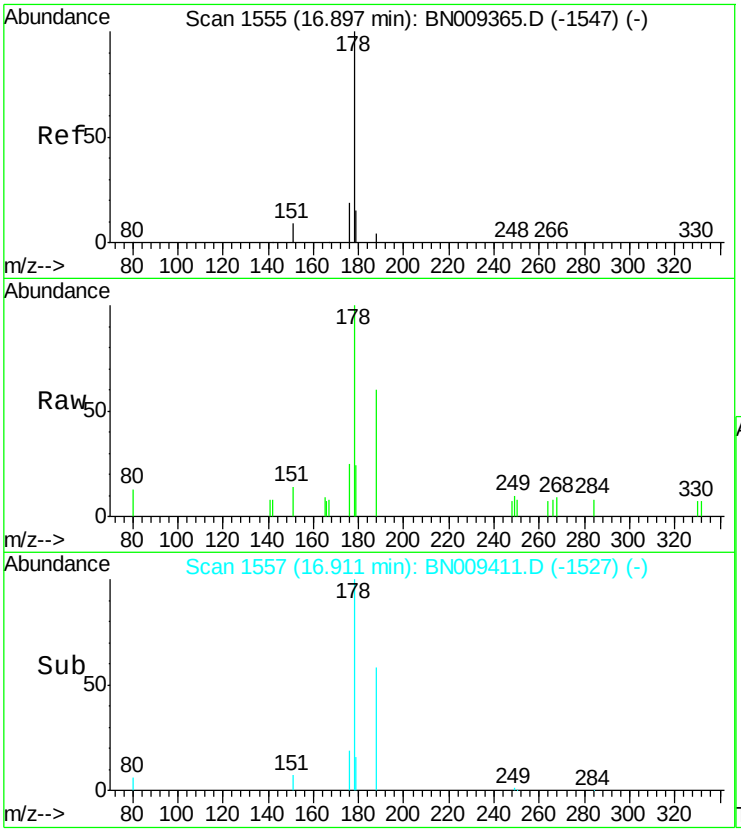


#22
Pentachlorophenol
Concen: 0.151 ng
RT: 16.58 min Scan# 1526
Delta R.T. 0.04 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:266 Resp: 156

Ion	Ratio	Lower	Upper
266	100		
264	76.9	57.8	86.6
268	92.3	63.8	95.6

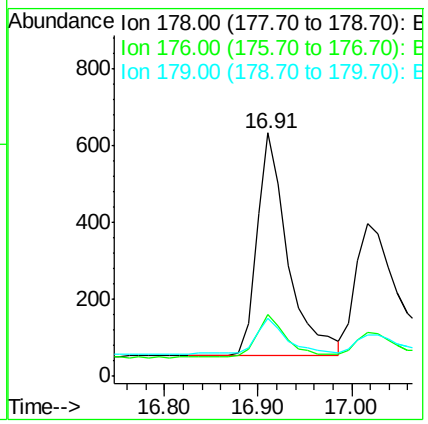




#23
Phenanthrene
Concen: 0.077 ng
RT: 16.91 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:178 Resp: 1325

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.9	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
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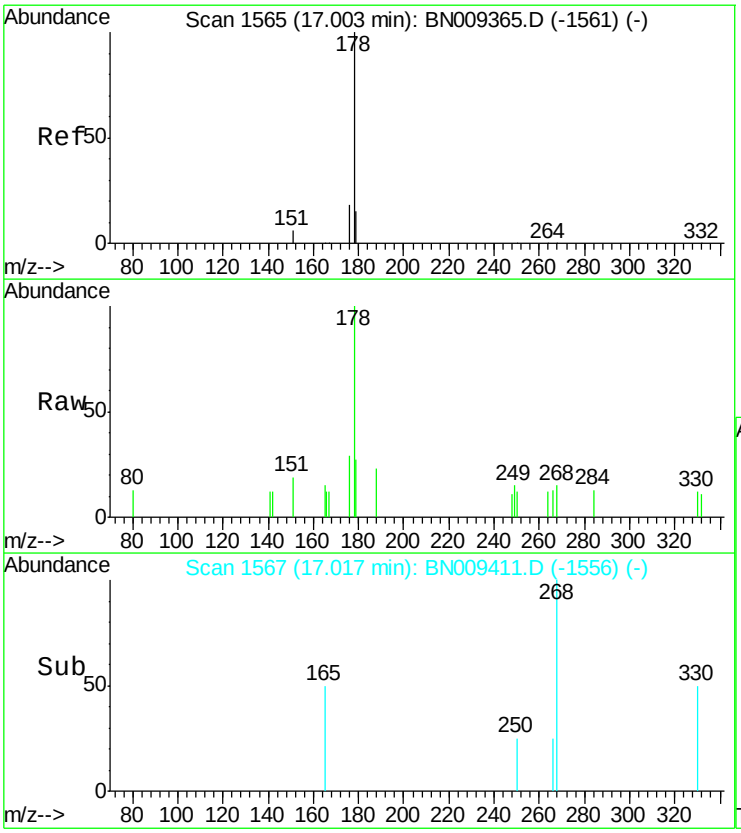
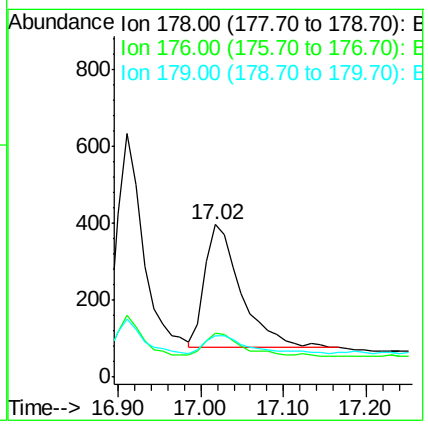
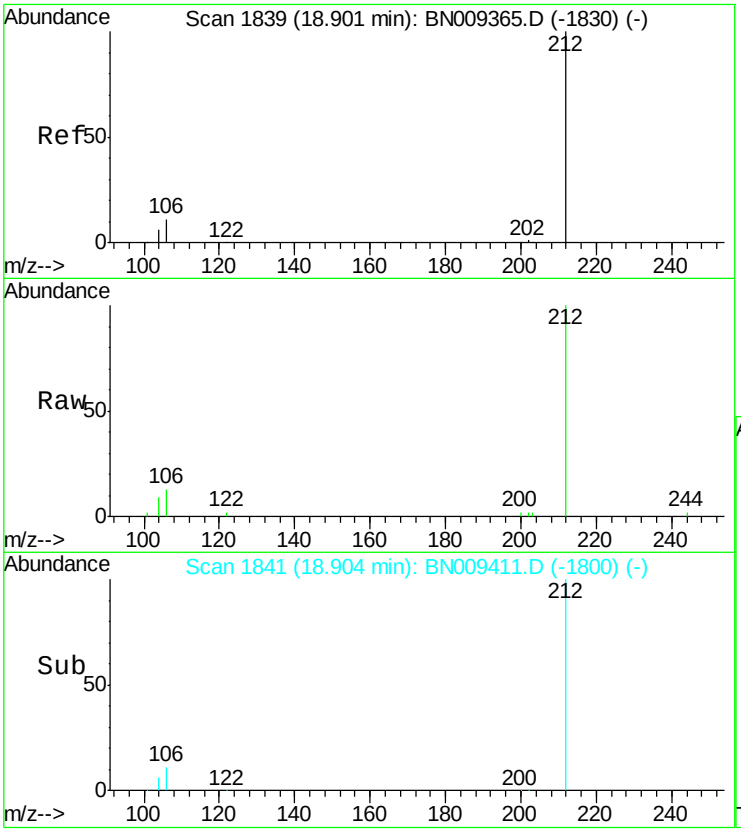


#24
Anthracene
Concen: 0.068 ng
RT: 17.02 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:178 Resp: 980

Ion	Ratio	Lower	Upper
178	100		
176	16.1	14.6	21.8
179	17.2	12.5	18.7

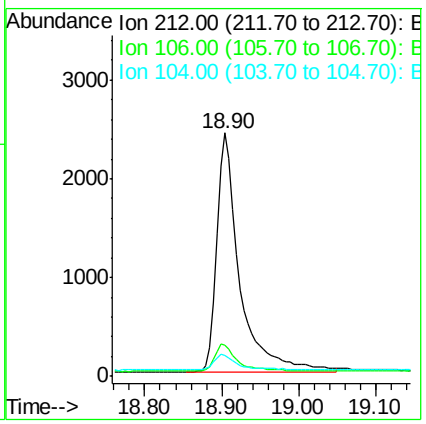




#25
Fluoranthene-d10
Concen: 0.253 ng
RT: 18.90 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:212 Resp: 4972

Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.2	13.8
104	6.8	5.4	8.0



Instrument :
BNA_N
ClientSampleId :
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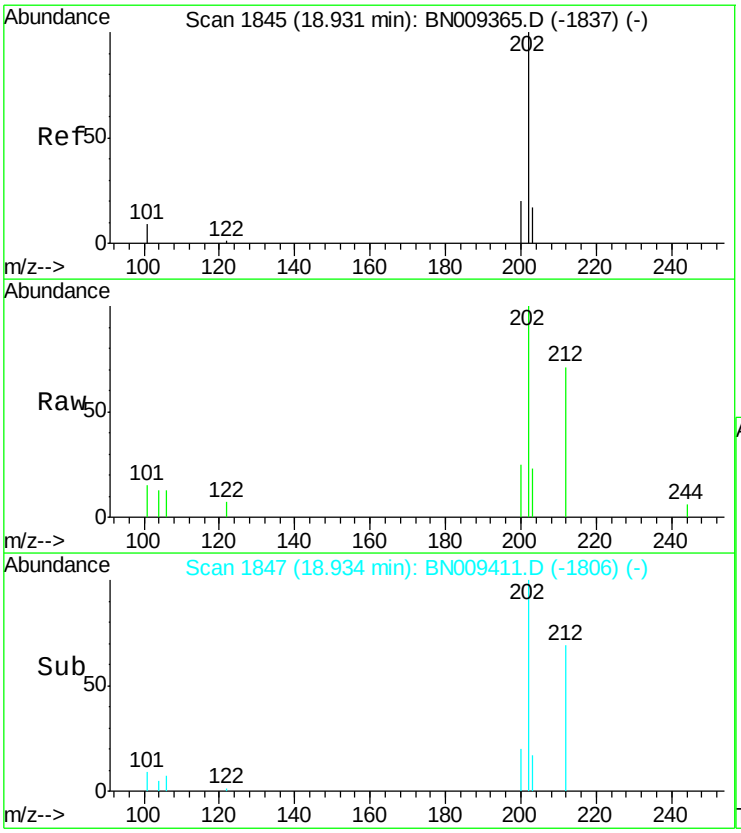
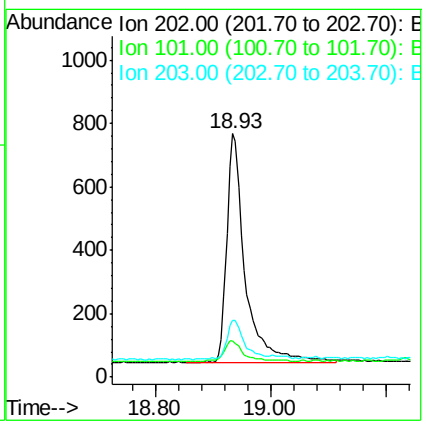
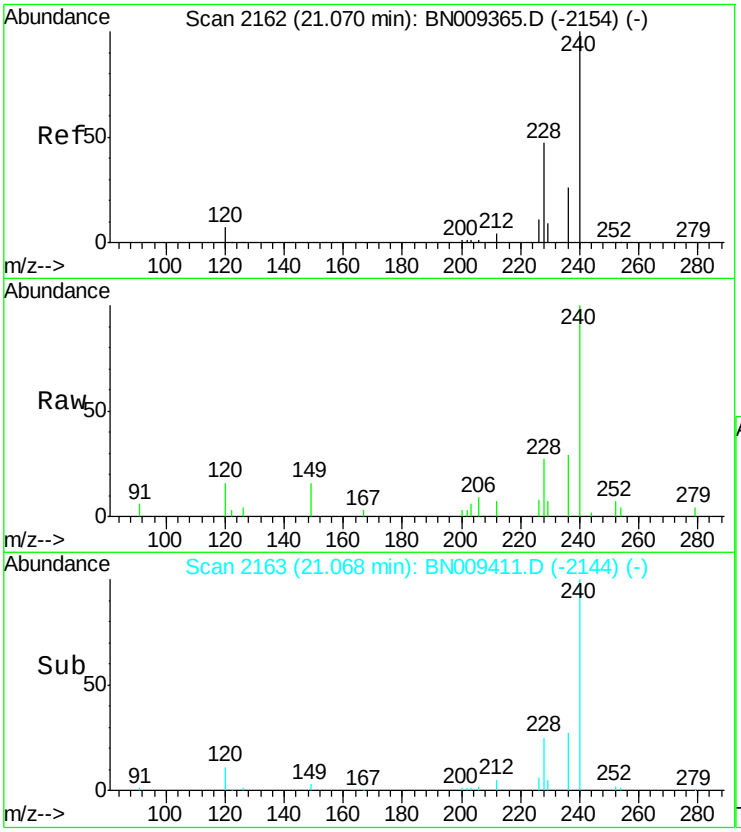


#26
Fluoranthene
Concen: 0.079 ng
RT: 18.93 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:202 Resp: 1603

Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.0	12.0
203	16.0	13.5	20.3

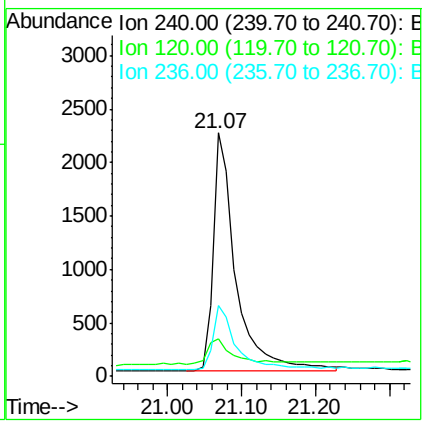




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.07 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:240 Resp: 4835

Ion	Ratio	Lower	Upper
240	100		
120	15.5	8.1	12.1#
236	29.1	22.2	33.4



Instrument :
BNA_N
ClientSampleId :
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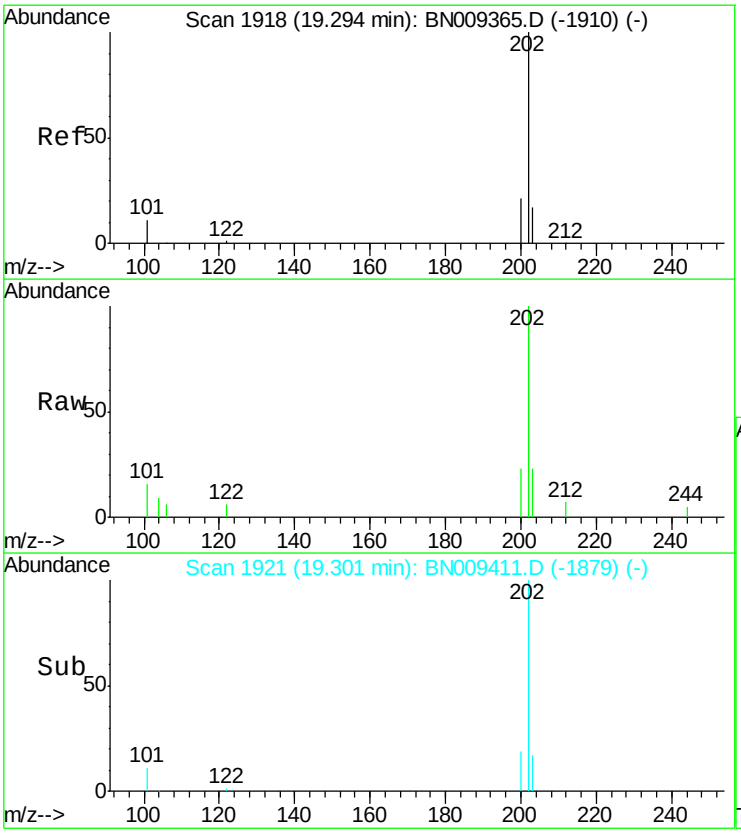
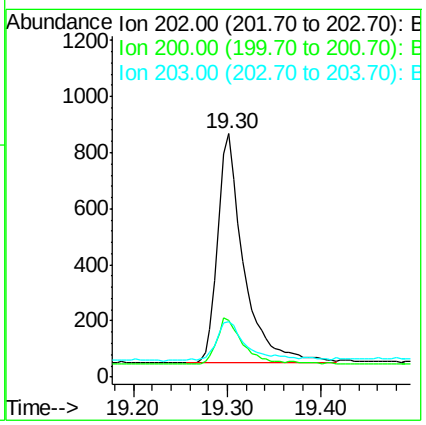
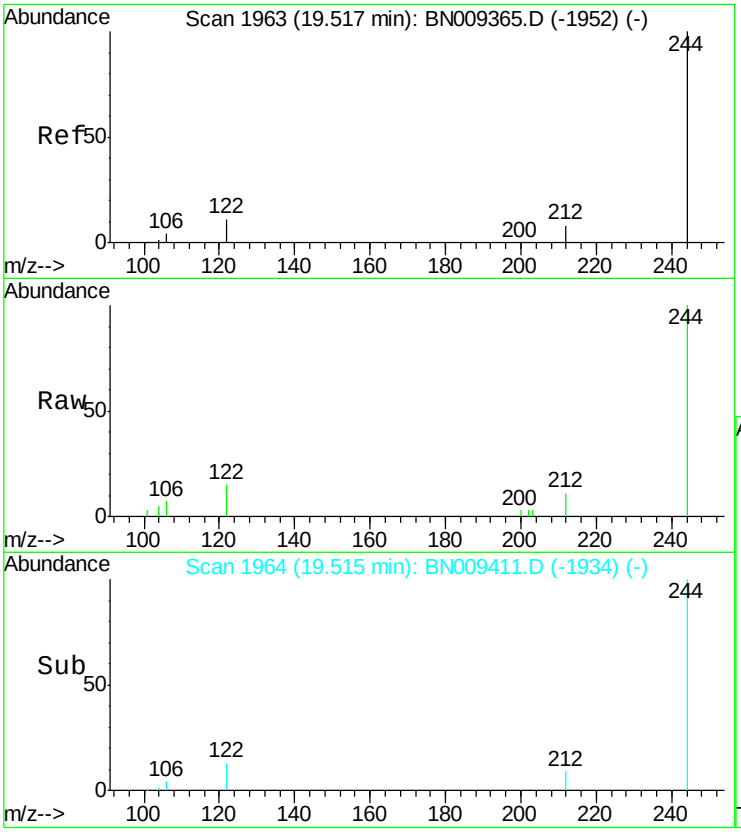


#28
Pyrene
Concen: 0.086 ng
RT: 19.30 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:202 Resp: 1582

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	18.3	14.1	21.1

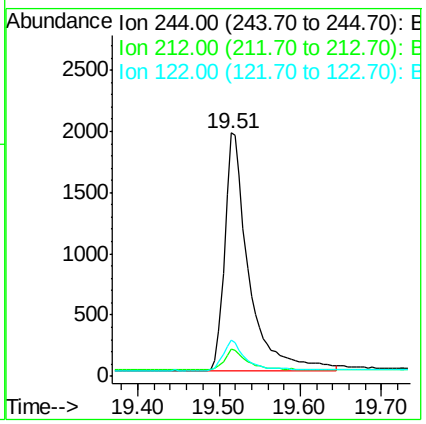




#29
Terphenyl-d14
Concen: 0.350 ng
RT: 19.51 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:244 Resp: 4005

Ion	Ratio	Lower	Upper
244	100		
212	11.2	7.5	11.3
122	14.6	9.8	14.6



Instrument :
BNA_N
ClientSampleId :
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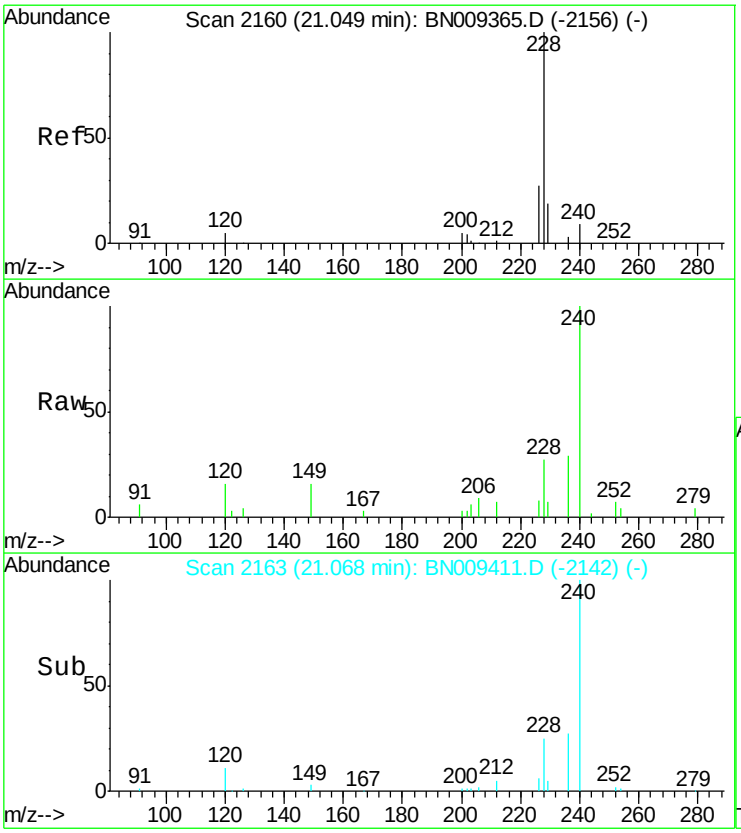
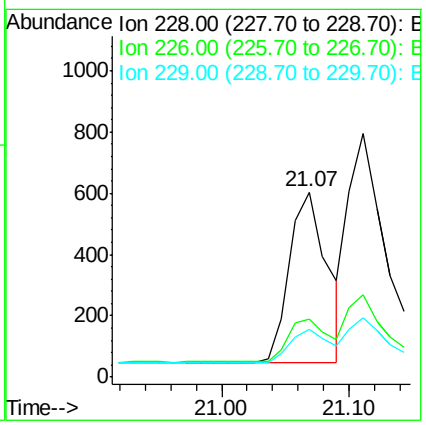
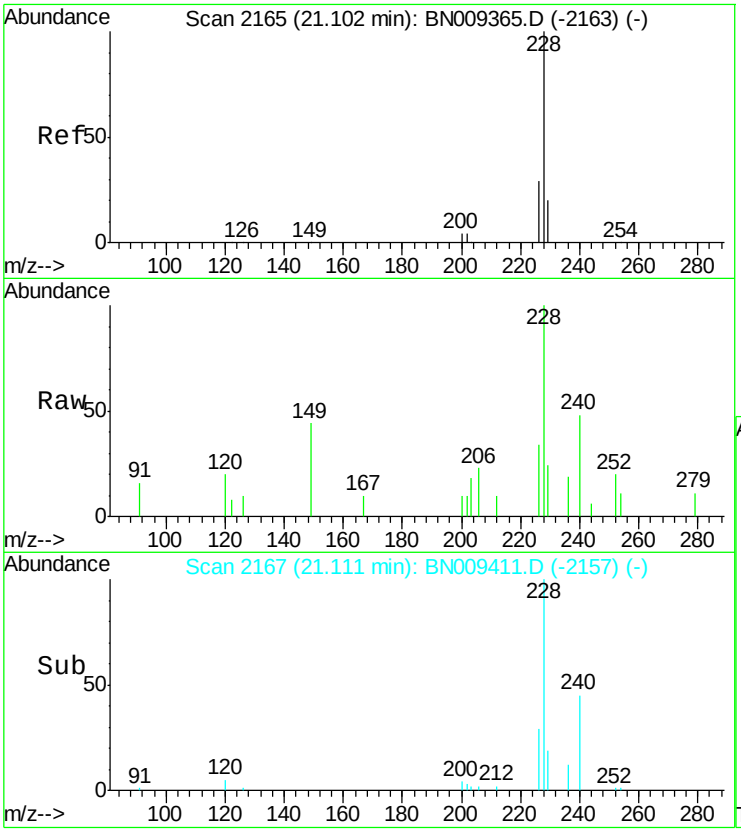


#30
Benzo(a)anthracene
Concen: 0.072 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:228 Resp: 1148

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.5	33.7
229	25.8	16.1	24.1#





#31
Chrysene
Concen: 0.091 ng m
RT: 21.11 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:228 Resp: 1661

Ion	Ratio	Lower	Upper
228	100		
226	34.0	23.8	35.8
229	24.2	16.6	24.8

Instrument :
BNA_N
ClientSampleId :
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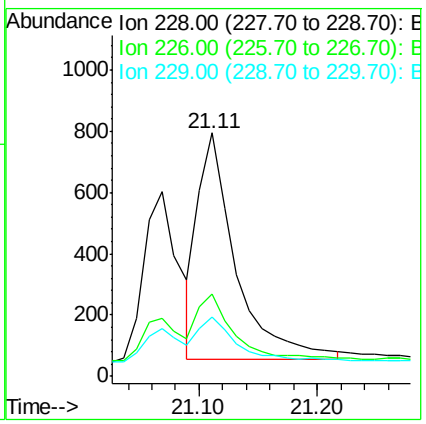
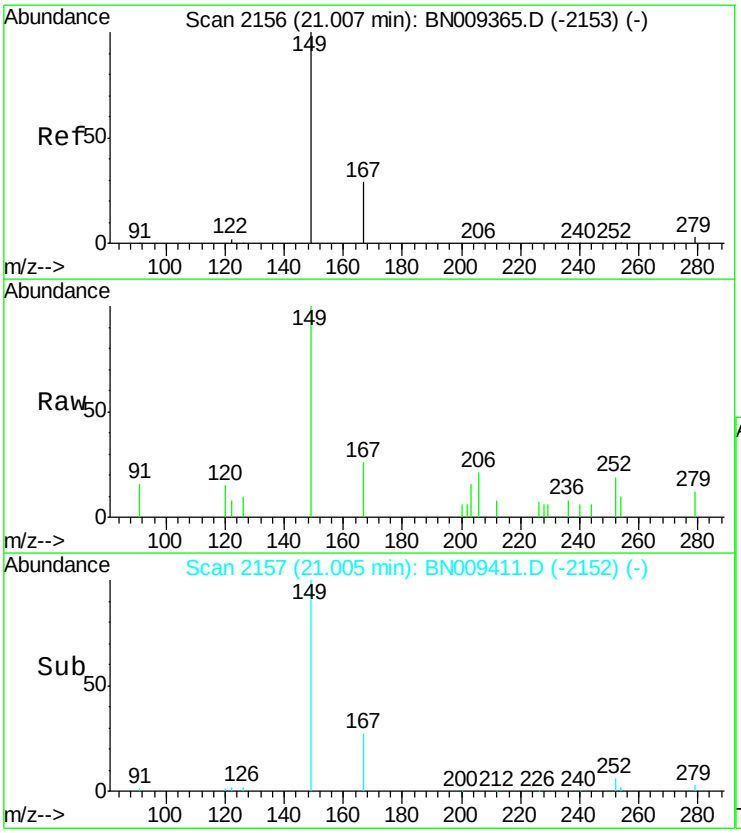
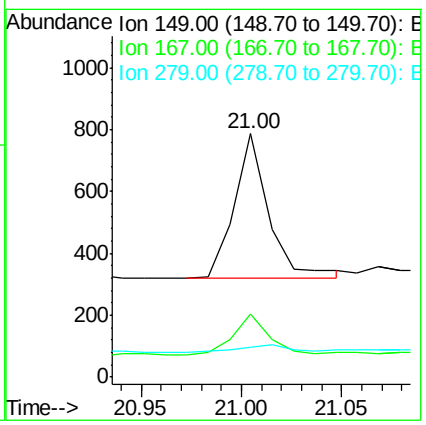


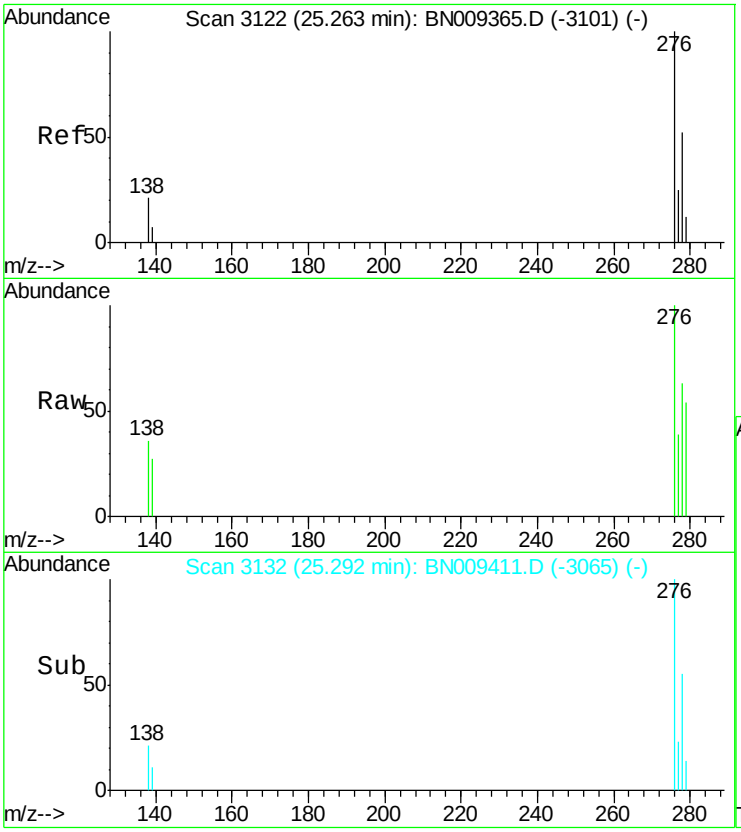


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:149 Resp: 556

Ion	Ratio	Lower	Upper
149	100		
167	29.5	22.9	34.3
279	6.5	3.4	5.0#





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.076 ng
RT: 25.29 min Scan# 3132
Delta R.T. 0.03 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:276 Resp: 1435

Ion	Ratio	Lower	Upper
276	100		
138	6.8	15.9	23.9#
277	8.9	19.8	29.6#

Instrument :
BNA_N
ClientSampleId :
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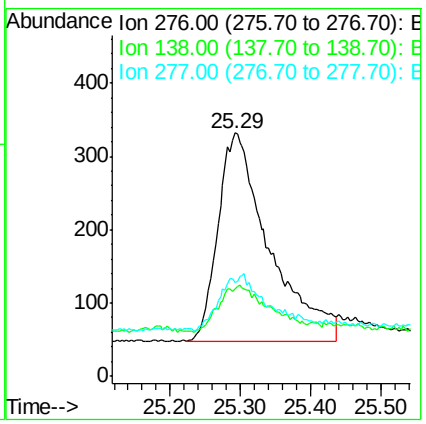
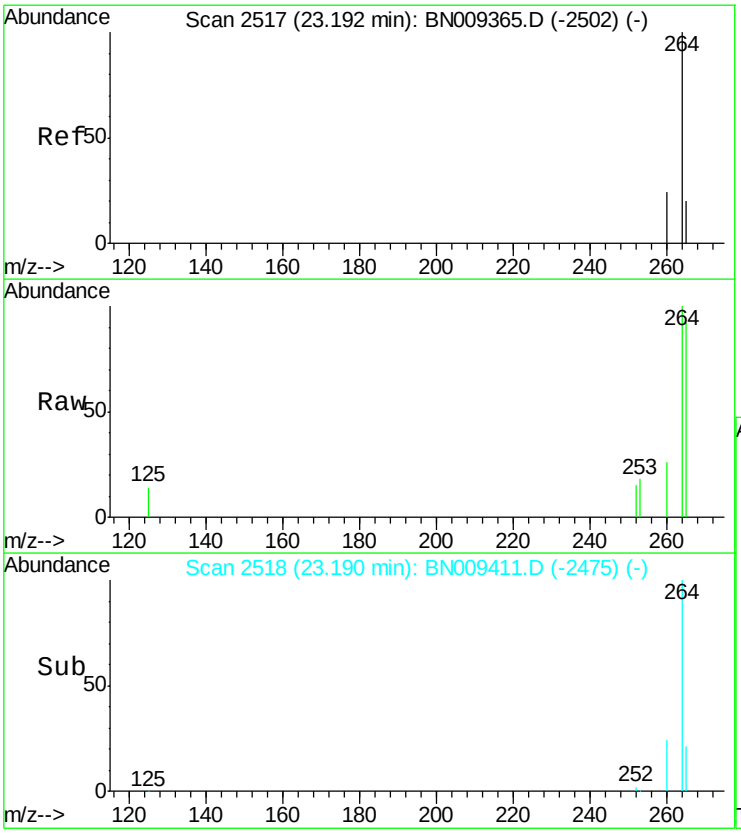
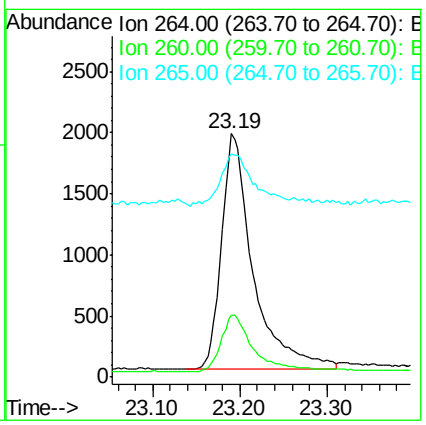


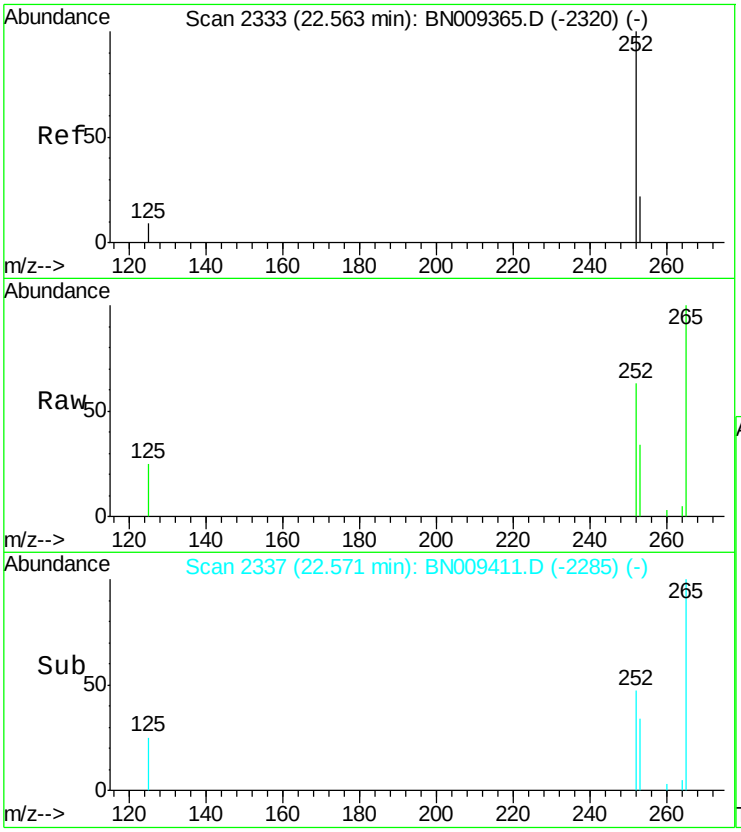


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:264 Resp: 4861

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	91.7	68.2	102.4





#35
Benzo(b)fluoranthene
Concen: 0.068 ng
RT: 22.57 min Scan# 2337
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:252 Resp: 1223

Ion	Ratio	Lower	Upper
252	100		
253	53.1	22.4	33.6#
125	38.8	11.6	17.4#

Instrument :
BNA_N
ClientSampleId :
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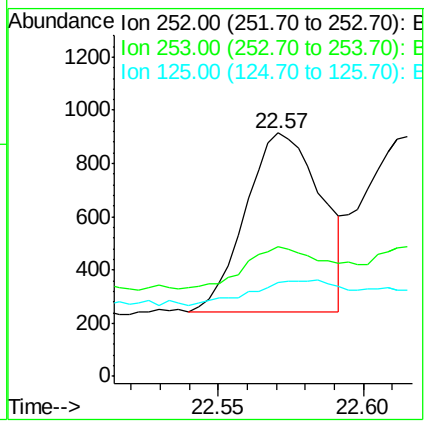
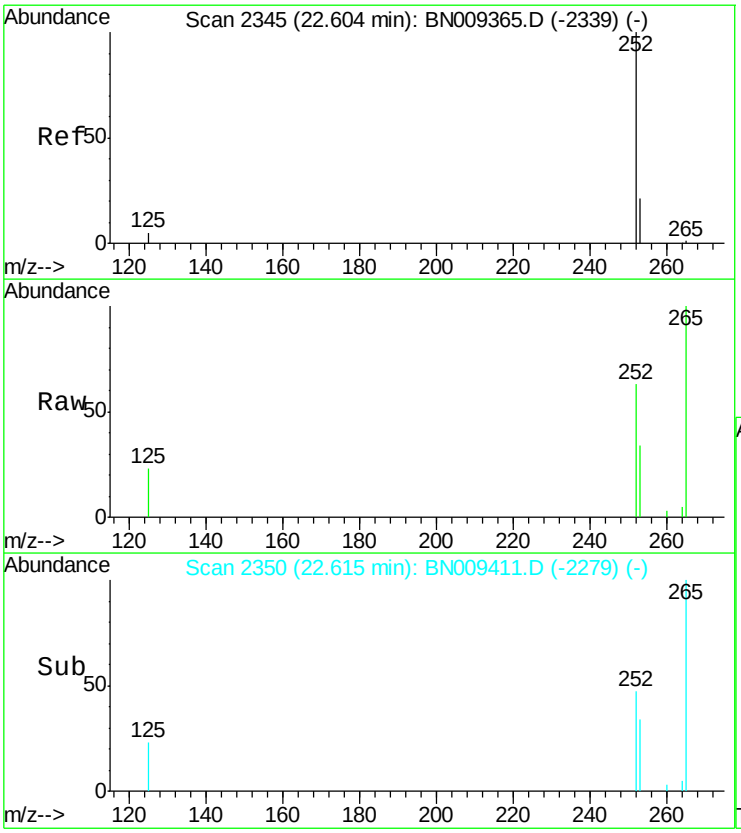
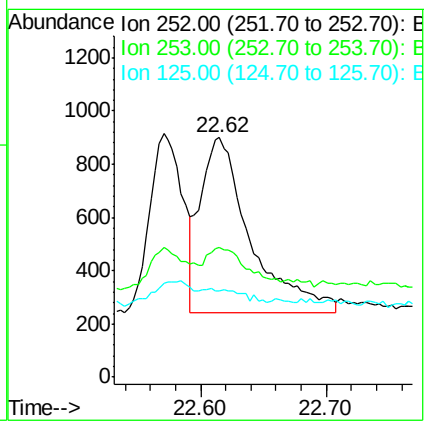


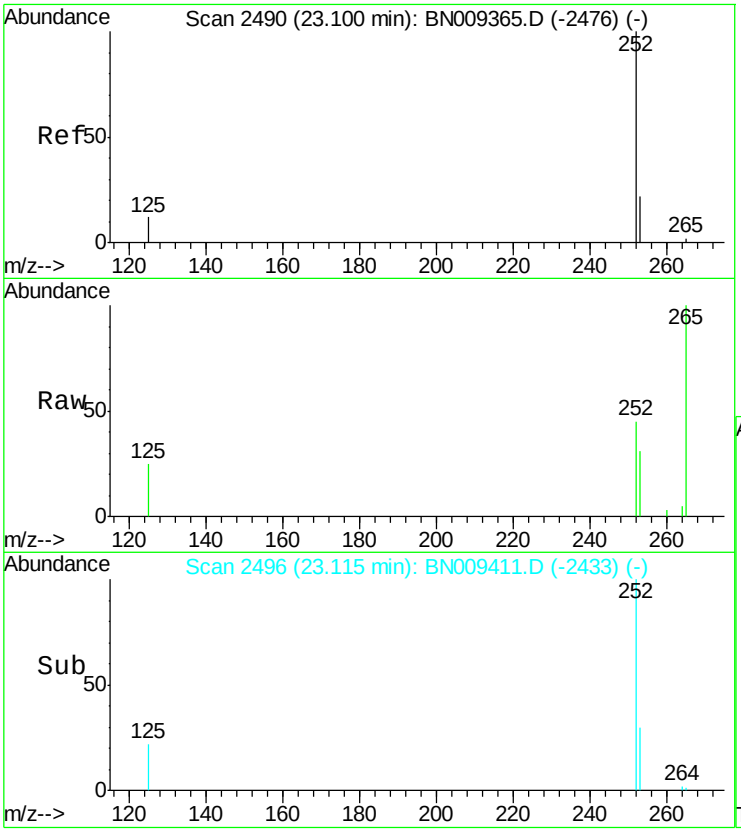


#36
Benzo(k)fluoranthene
Concen: 0.092 ng m
RT: 22.62 min Scan# 2350
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:252 Resp: 1823

Ion	Ratio	Lower	Upper
252	100		
253	54.0	21.9	32.9#
125	36.2	12.0	18.0#





#37
Benzo(a)pyrene
Concen: 0.087 ng
RT: 23.11 min Scan# 2496
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:252 Resp: 1370

Ion	Ratio	Lower	Upper
252	100		
253	68.9	25.4	38.0#
125	55.4	16.2	24.2#

Instrument :
BNA_N
ClientSampleId :
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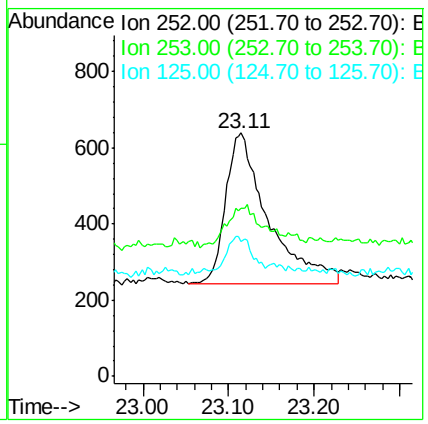
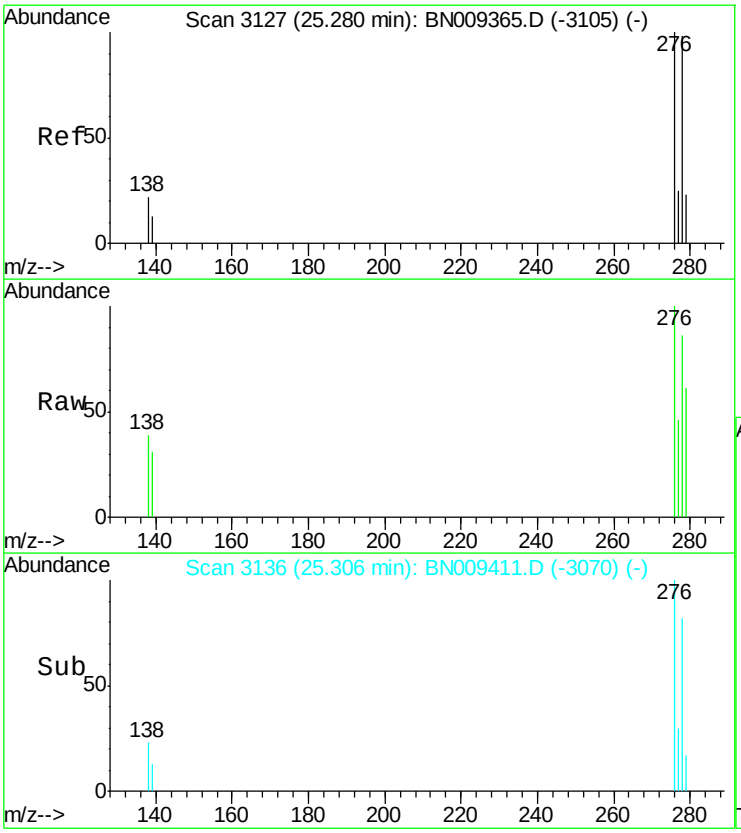
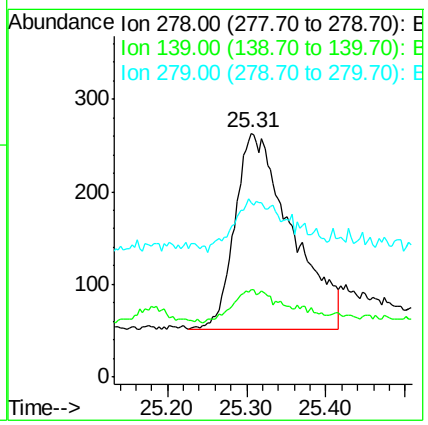


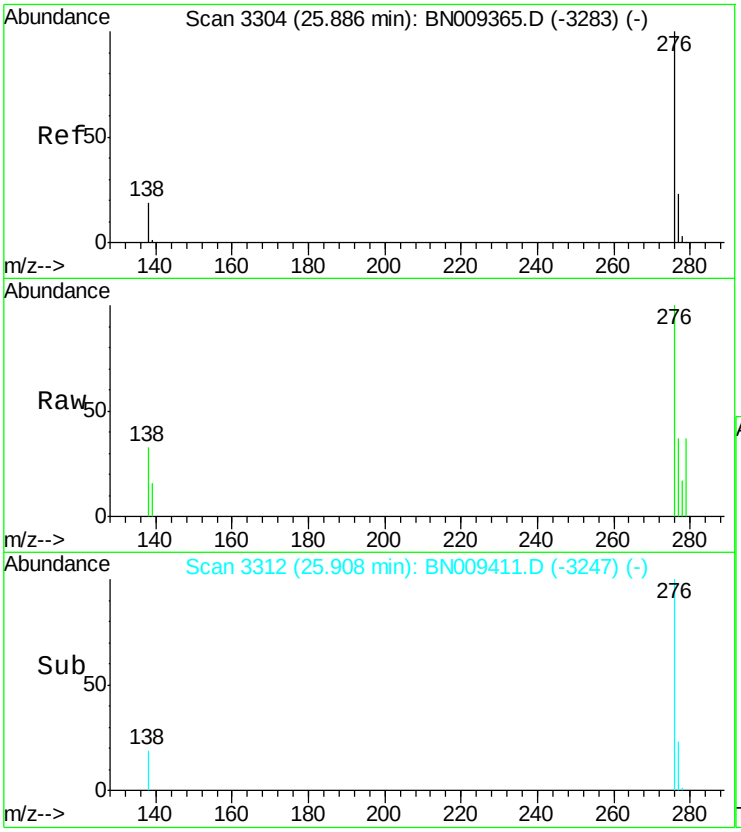


#38
Dibenzo(a,h)anthracene
Concen: 0.066 ng
RT: 25.31 min Scan# 3136
Delta R.T. 0.03 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:278 Resp: 1047

Ion	Ratio	Lower	Upper
278	100		
139	36.1	14.5	21.7#
279	71.5	24.2	36.4#

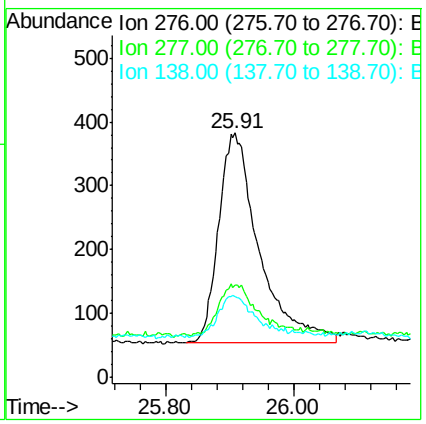




#39
Benzo(g,h,i)perylene
Concen: 0.083 ng
RT: 25.91 min Scan# 3312
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:276 Resp: 1449

Ion	Ratio	Lower	Upper
276	100		
277	37.3	20.6	30.8#
138	32.6	17.1	25.7#



Instrument :
BNA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

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