Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040121\
Data File : BN014178.D
Acq On : 01 Apr 2021 14:46
Operator : CG/JU
Sample : M1836-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : B1-0-2MSD

Quant Time: Apr 01 15:17:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 31 12:15:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.692	152	5931	0.40	ng		0.00
7) Naphthalene-d8	10.467	136	22874	0.40	ng		# 0.00
13) Acenaphthene-d10	14.321	164	13507	0.40	ng		0.00
19) Phenanthrene-d10	17.067	188	26974	0.40	ng		# 0.00
29) Chrysene-d12	21.258	240	26777	0.40	ng		# 0.01
36) Perylene-d12	23.473	264	30471	0.40	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.292	112	7529	0.49	ng		0.00
5) Phenol-d6	6.863	99	9553	0.49	ng		0.00
8) Nitrobenzene-d5	8.832	82	8235	0.53	ng		0.00
11) 2-Methylnaphthalene-d10	12.057	152	15441	0.44	ng		0.00
14) 2,4,6-Tribromophenol	15.818	330	2404	0.55	ng		0.01
15) 2-Fluorobiphenyl	12.938	172	20150	0.40	ng		0.00
27) Fluoranthene-d10	19.106	212	32644	0.46	ng		0.00
31) Terphenyl-d14	19.697	244	27147	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.231	88	2519	0.33	ng	#	21
3) n-Nitrosodimethylamine	3.545	42	2559	0.44	ng	#	89
6) bis(2-Chloroethyl)ether	7.121	93	8394	0.55	ng	#	79
9) Naphthalene	10.518	128	97000	1.72	ng		97
10) Hexachlorobutadiene	10.796	225	4191	0.41	ng	#	99
12) 2-Methylnaphthalene	12.129	142	37629	1.02	ng		100
16) Acenaphthylene	14.042	152	79668	1.54	ng		98
17) Acenaphthene	14.384	154	50369	1.35	ng		98
18) Fluorene	15.374	166	61167	1.35	ng	#	97
20) 4,6-Dinitro-2-methylph...	15.450	198	331	0.10	ng	#	1
21) 4-Bromophenyl-phenylether	16.264	248	5997	0.43	ng		97
22) Hexachlorobenzene	16.373	284	6172	0.40	ng		98
23) Atrazine	16.532	200	4634	0.49	ng	#	93
24) Pentachlorophenol	16.714	266	3567	0.74	ng		98
25) Phenanthrene	17.104	178	571250	7.89	ng		100
26) Anthracene	17.189	178	136892	2.25	ng		98
28) Fluoranthene	19.136	202	1111107	14.67	ng		99
30) Pyrene	19.493	202	1227189	14.05	ng	#	94
32) Benzo(a)anthracene	21.237	228	744306	10.03	ng		97
33) Chrysene	21.290	228	713389	8.69	ng		96
34) Bis(2-ethylhexyl)phtha...	21.173	149	55310	2.44	ng		99
35) Indeno(1,2,3-cd)pyrene	25.698	276	528815	6.21	ng		96
37) Benzo(b)fluoranthene	22.809	252	926277	8.62	ng		97
38) Benzo(k)fluoranthene	22.809	252	926277	8.82	ng		97
39) Benzo(a)pyrene	23.374	252	728324	7.90	ng		93
40) Dibenzo(a,h)anthracene	25.708	278	162994	1.72	ng		96
41) Benzo(g,h,i)perylene	26.382	276	551302	5.47	ng		99

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 31 12:15:38 2021
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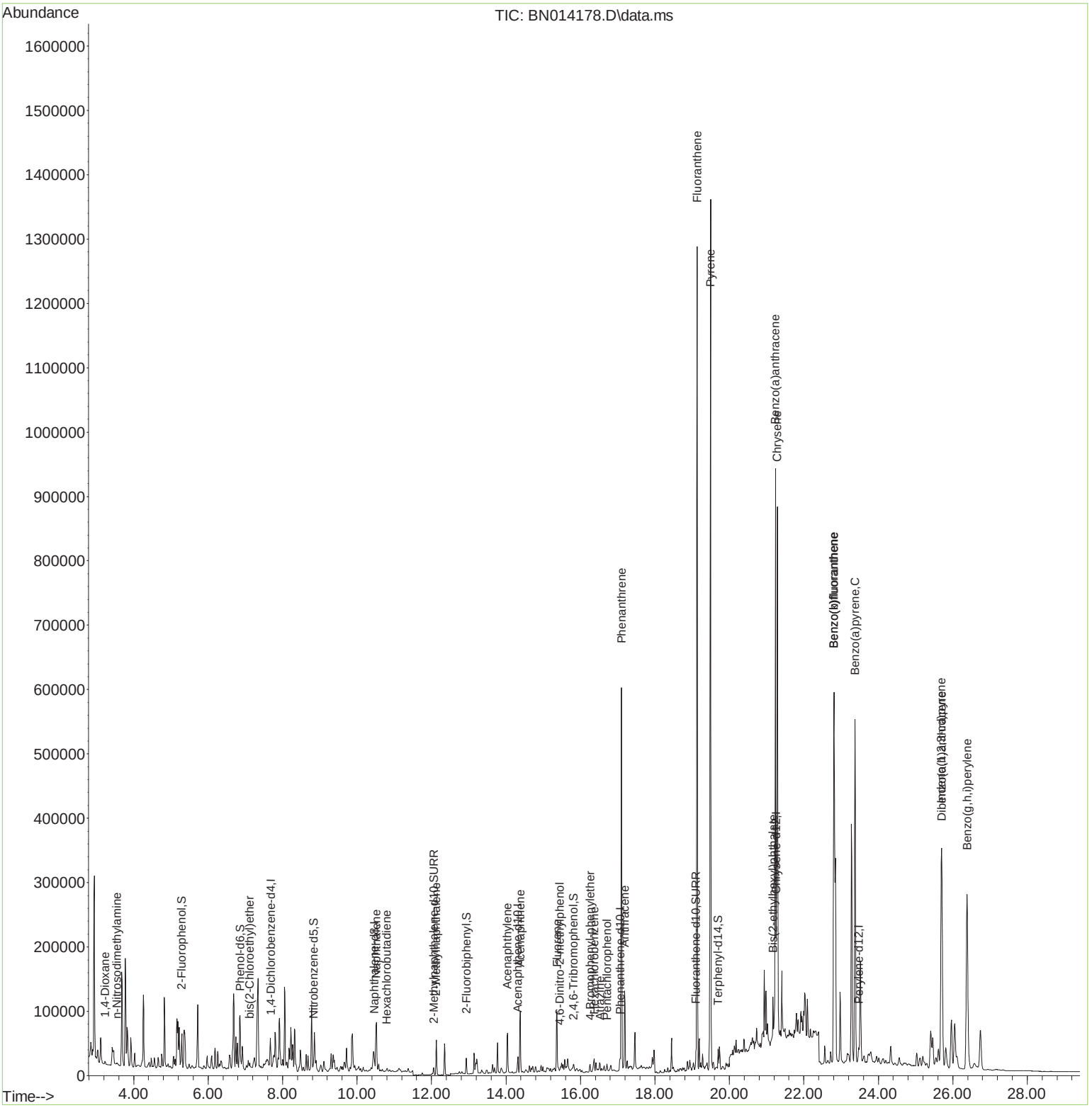

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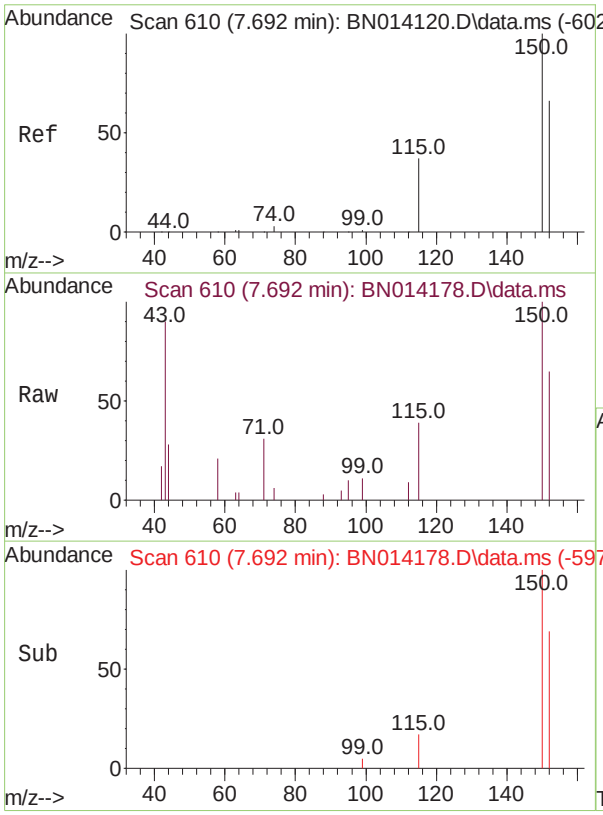
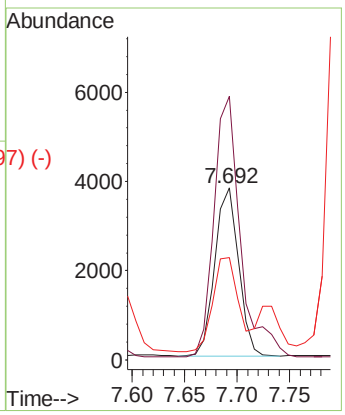
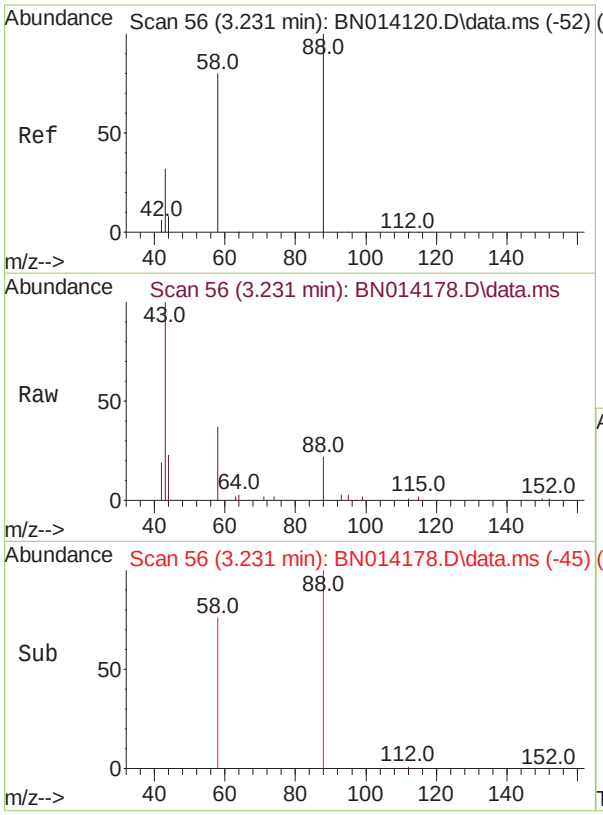


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. 0.008 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:152 Resp: 5931

Ion	Ratio	Lower	Upper
152	100		
150	153.1	121.2	181.8
115	59.2	46.2	69.2

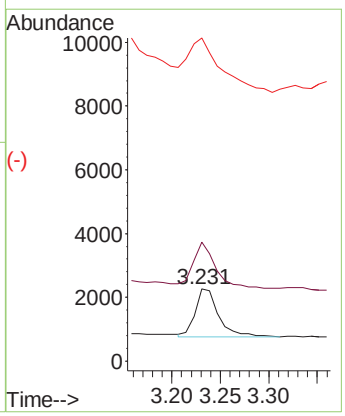




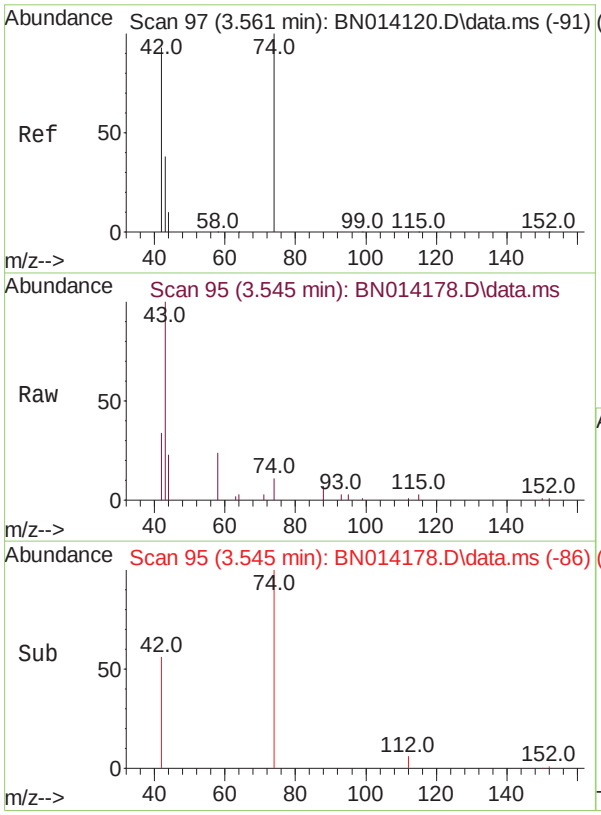
#2
1,4-Dioxane
Concen: 0.33 ng
RT: 3.231 min Scan# 56
Delta R.T. -0.008 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion: 88 Resp: 2519

Ion	Ratio	Lower	Upper
88	100		
58	95.4	63.1	94.7#
43	158.6	26.2	39.2#



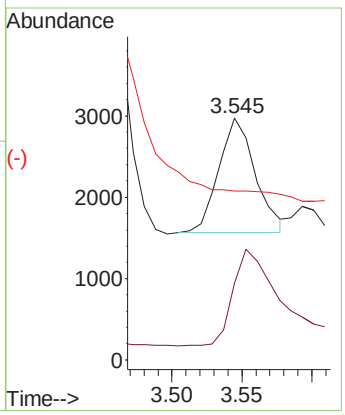
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

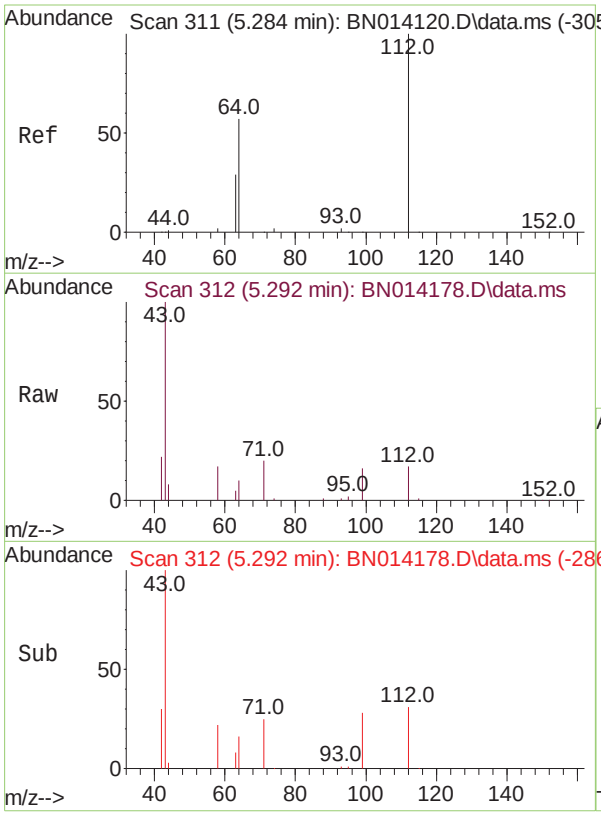


#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.545 min Scan# 95
Delta R.T. -0.024 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion: 42 Resp: 2559

Ion	Ratio	Lower	Upper
42	100		
74	130.2	94.6	141.8
44	0.0	4.2	6.2#

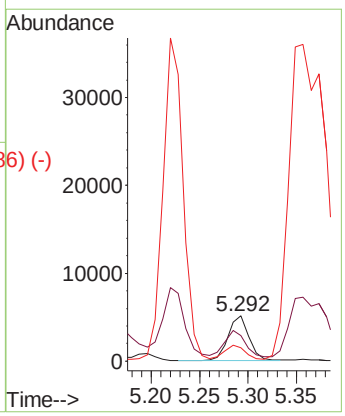




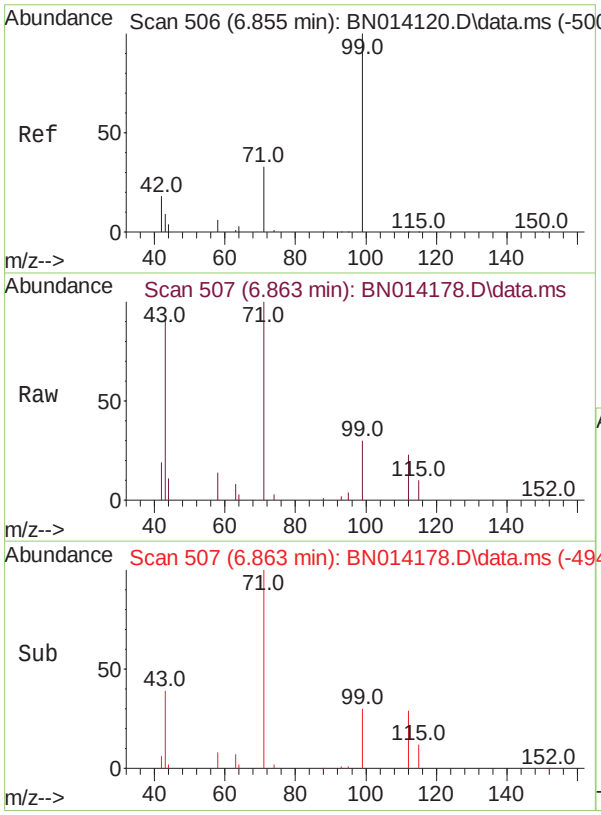
#4
2-Fluorophenol
Concen: 0.49 ng
RT: 5.292 min Scan# 312
Delta R.T. 0.008 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:112 Resp: 7529

Ion	Ratio	Lower	Upper
112	100		
64	66.5	48.3	72.5
63	0.0	25.4	38.0#



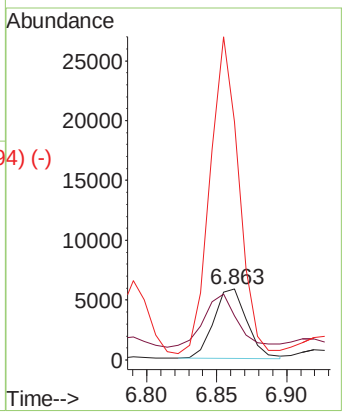
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

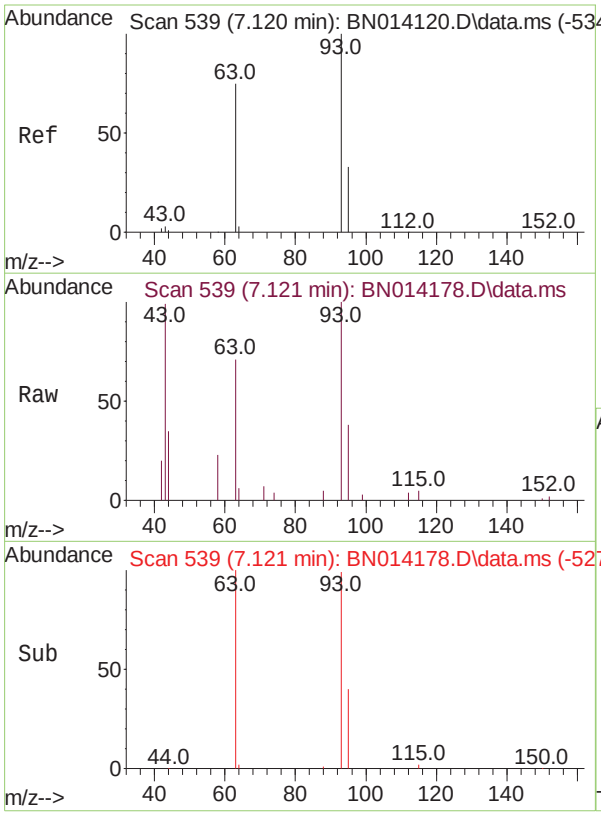


#5
Phenol-d6
Concen: 0.49 ng
RT: 6.863 min Scan# 507
Delta R.T. 0.008 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion: 99 Resp: 9553

Ion	Ratio	Lower	Upper
99	100		
42	81.6	18.2	27.4#
71	397.9	26.7	40.1#

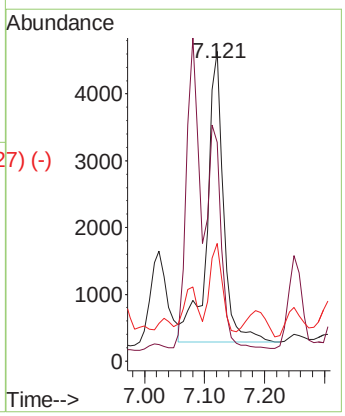




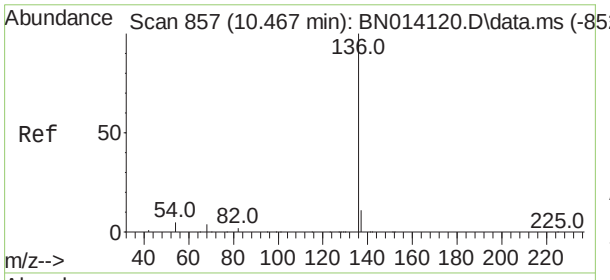
#6
bis(2-Chloroethyl)ether
Concen: 0.55 ng
RT: 7.121 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion: 93 Resp: 8394

Ion	Ratio	Lower	Upper
93	100		
63	61.9	65.1	97.7#
95	22.5	26.6	39.8#



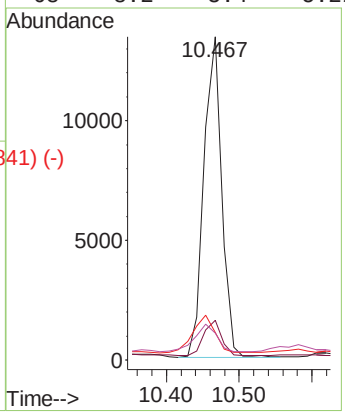
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

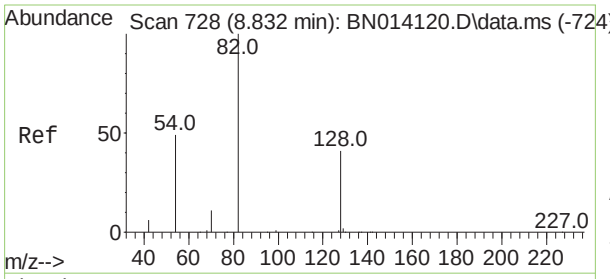


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:136 Resp: 22874

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.1	13.7
54	8.6	4.3	6.5#
68	8.2	3.4	5.2#

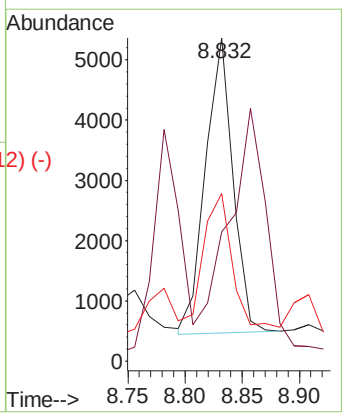




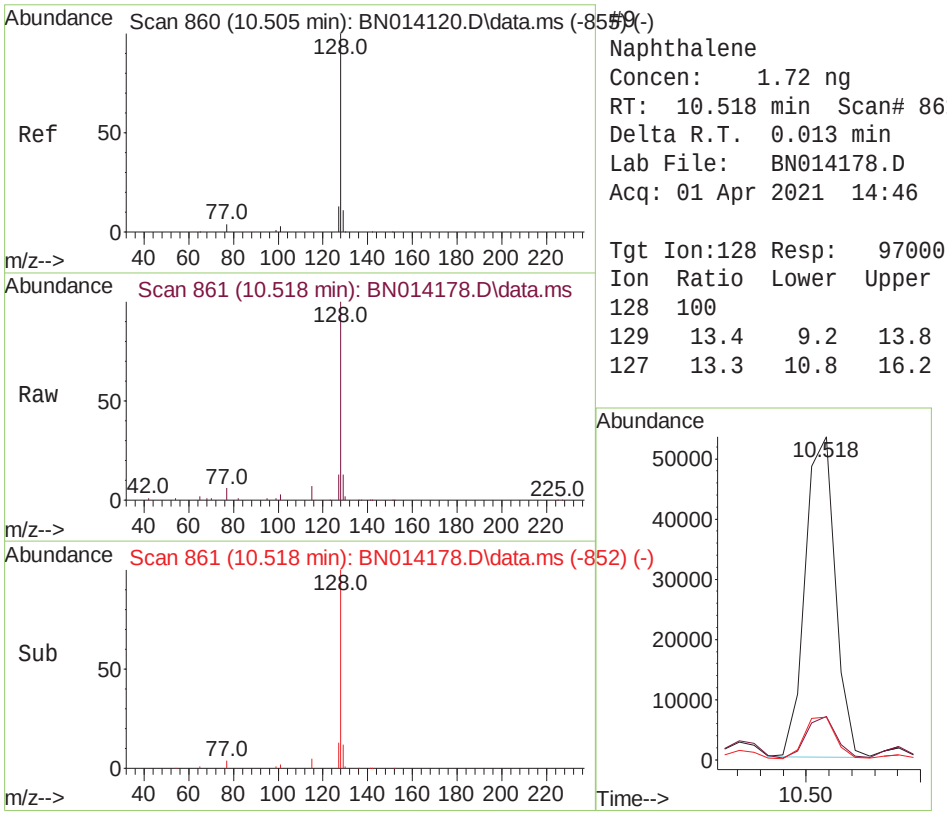
#8
Nitrobenzene-d5
Concen: 0.53 ng
RT: 8.832 min Scan# 728
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion: 82 Resp: 8235

Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.5	50.3
54	51.9	40.3	60.5



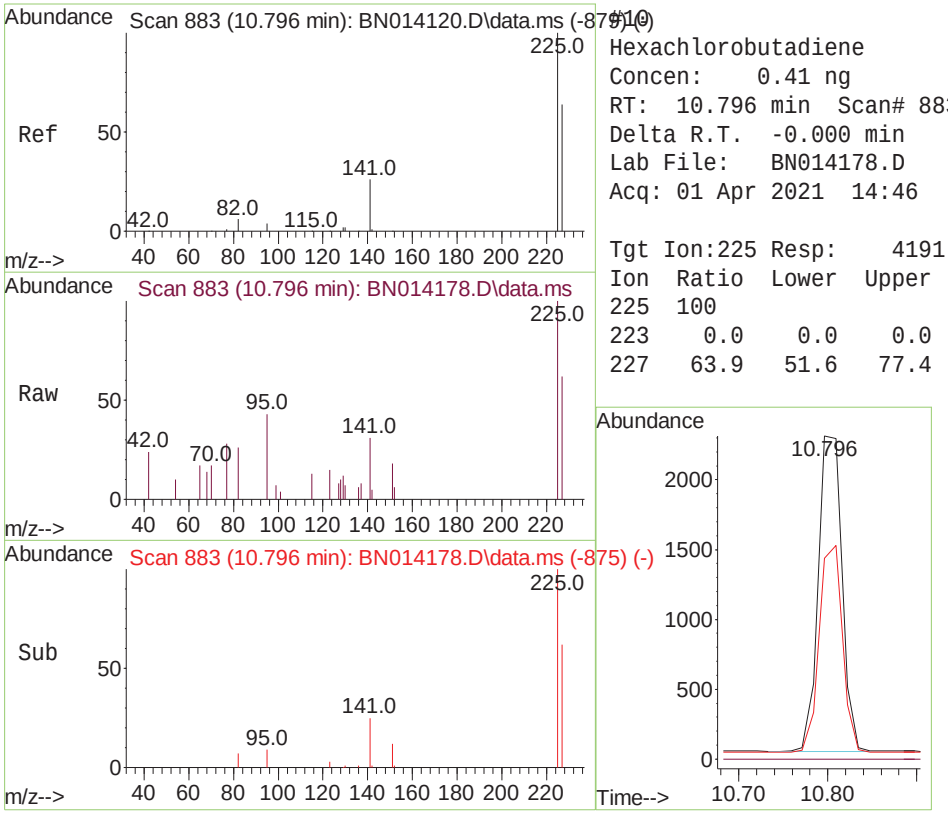
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD



#9
Naphthalene
Concen: 1.72 ng
RT: 10.518 min Scan# 861
Delta R.T. 0.013 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:128 Resp: 97000

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.2	13.8
127	13.3	10.8	16.2

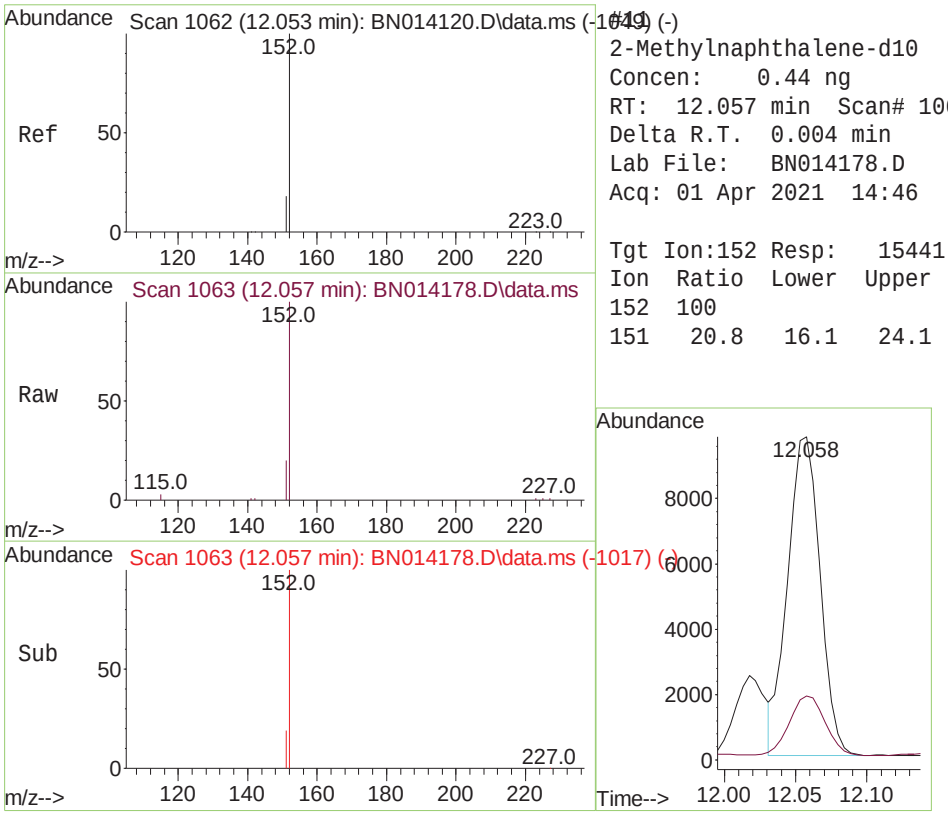


#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 10.796 min Scan# 883
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:225 Resp: 4191

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.6	77.4

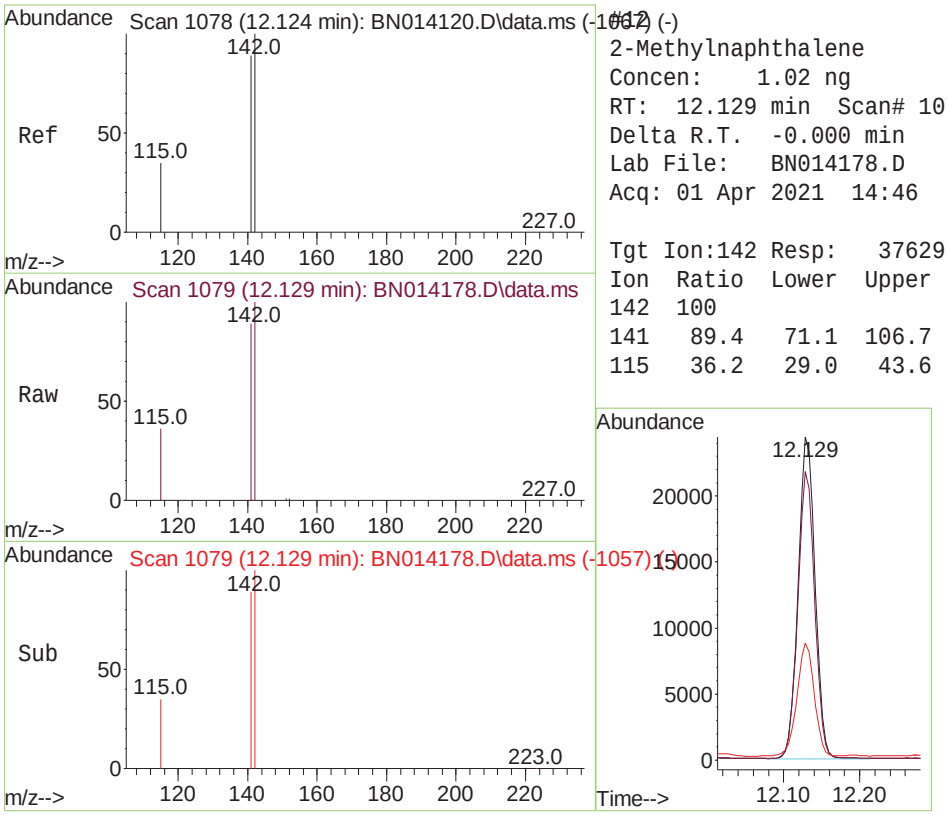
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD



#11
2-Methylnaphthalene-d10
Concen: 0.44 ng
RT: 12.057 min Scan# 1063
Delta R.T. 0.004 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:152 Resp: 15441

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.1	24.1

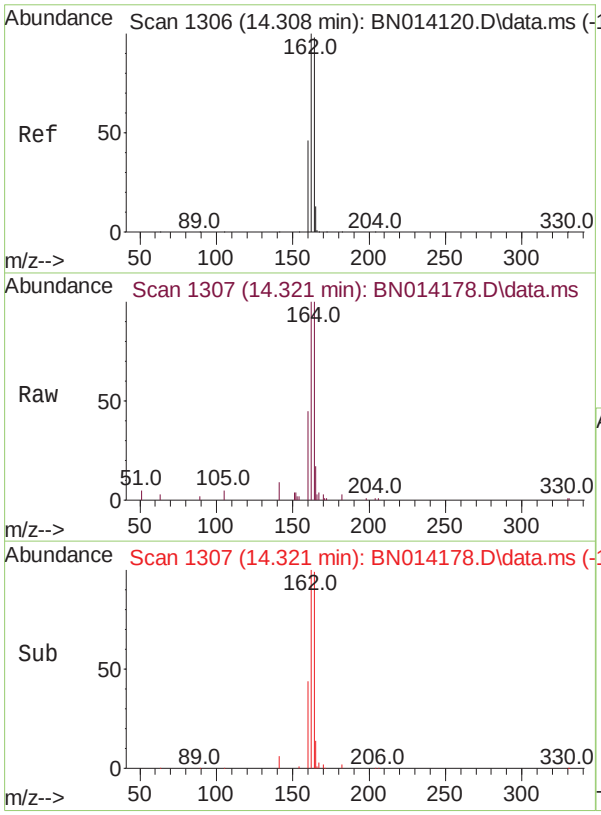


#12
2-Methylnaphthalene
Concen: 1.02 ng
RT: 12.129 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:142 Resp: 37629

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7
115	36.2	29.0	43.6

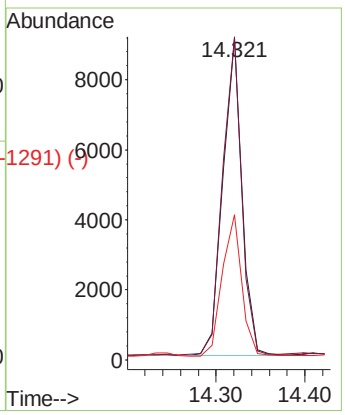
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

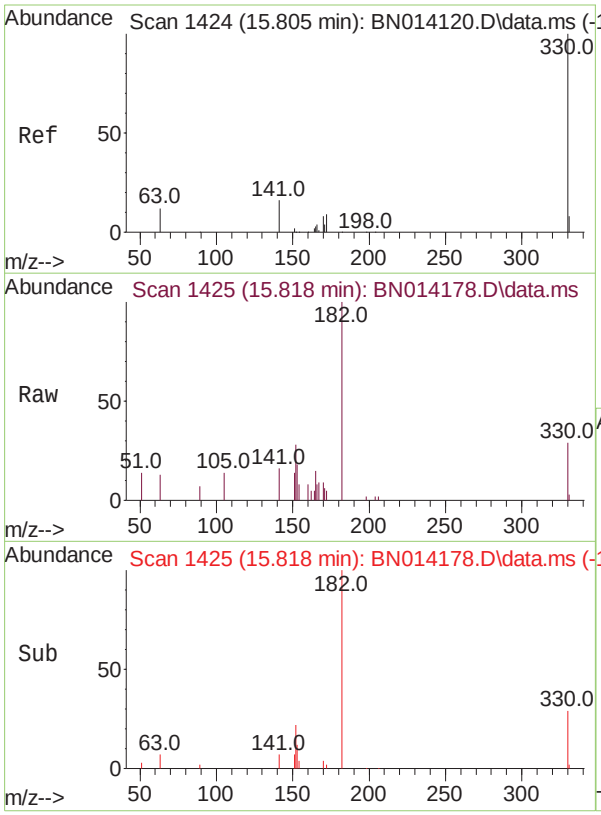


#12
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:164 Resp: 13507

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.2
160	45.1	37.5	56.3

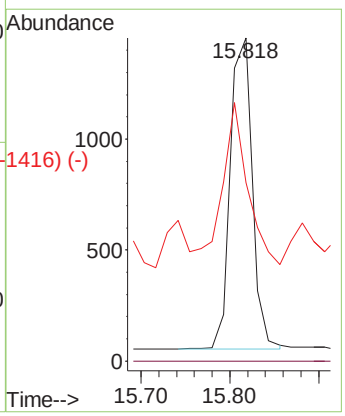




#14
2,4,6-Tribromophenol
Concen: 0.55 ng
RT: 15.818 min Scan# 1425
Delta R.T. 0.013 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:330 Resp: 2404

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	59.0	31.2	46.8#



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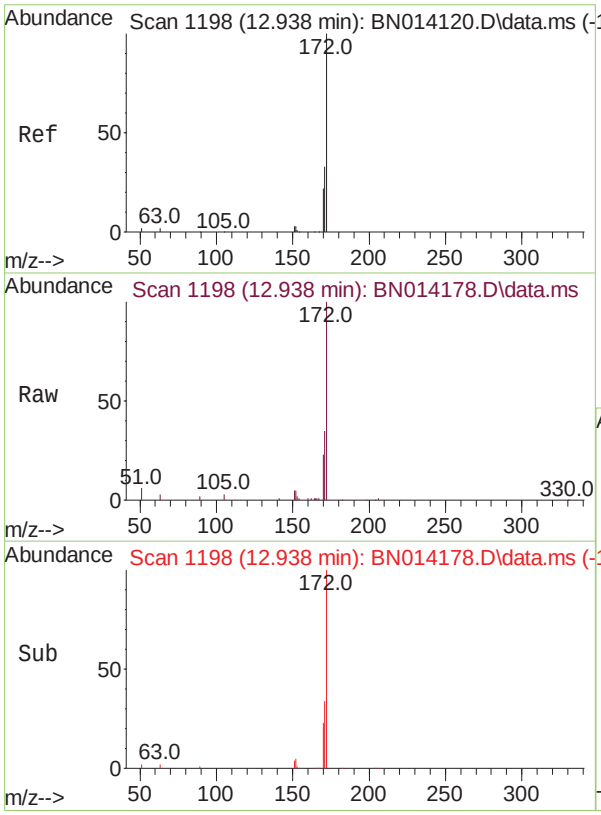
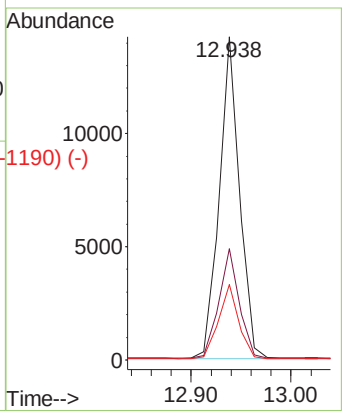
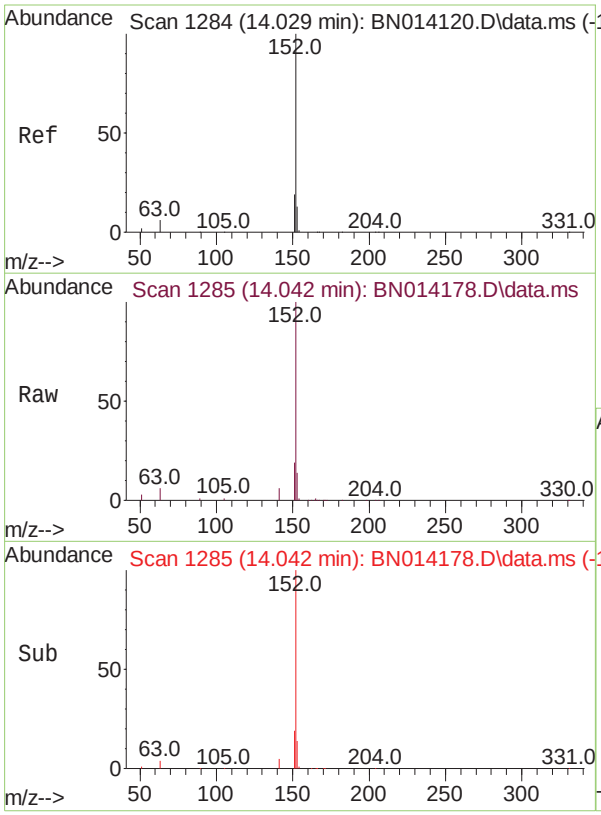


#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.938 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:172 Resp: 20150

Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.9	40.3
170	23.3	17.8	26.8

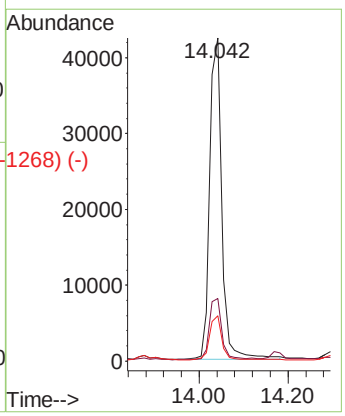




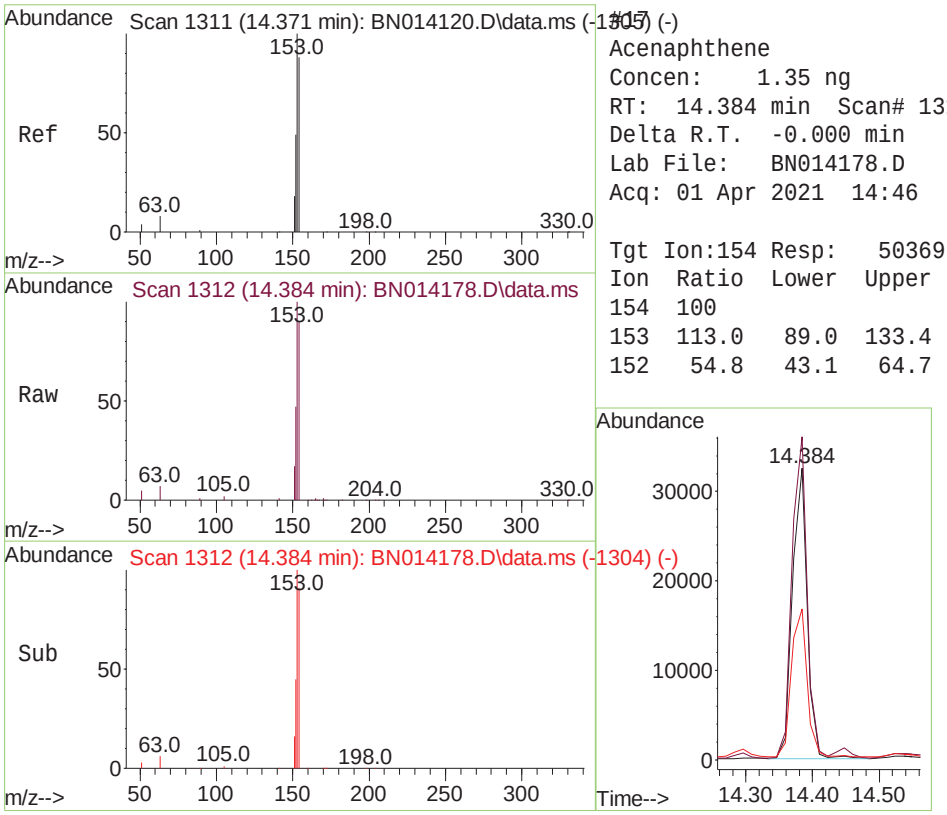
#16
Acenaphthylene
Concen: 1.54 ng
RT: 14.042 min Scan# 1285
Delta R.T. 0.013 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:152 Resp: 79668

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	14.0	10.3	15.5



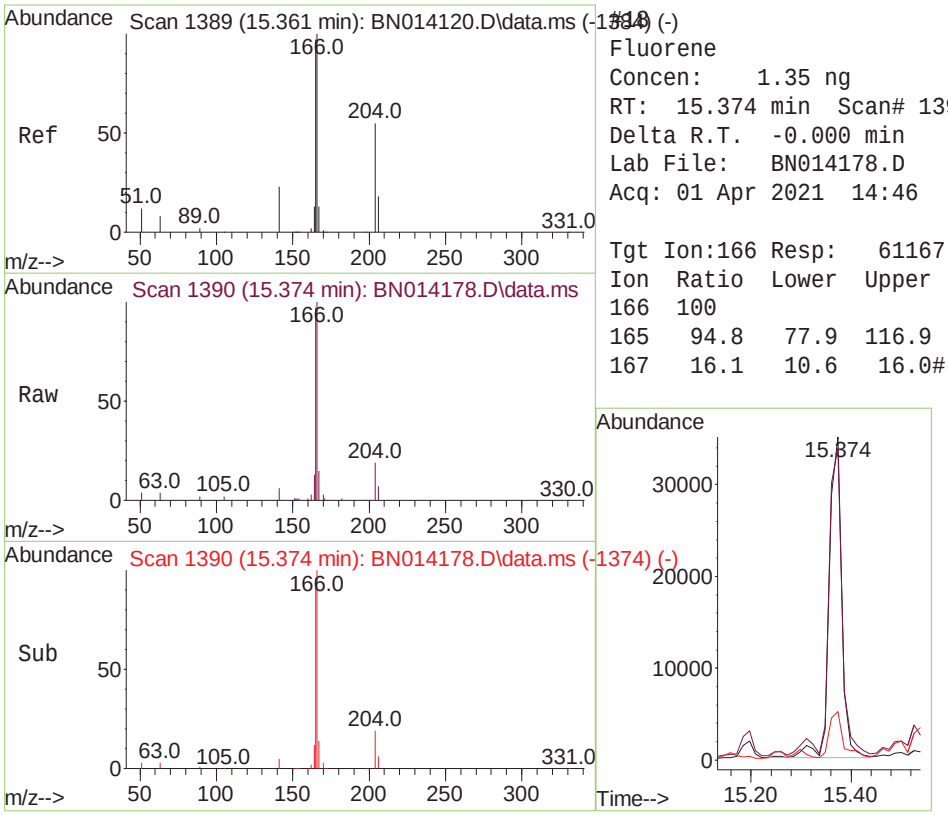
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD



#17
Acenaphthene
Concen: 1.35 ng
RT: 14.384 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:154 Resp: 50369

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.0	133.4
152	54.8	43.1	64.7

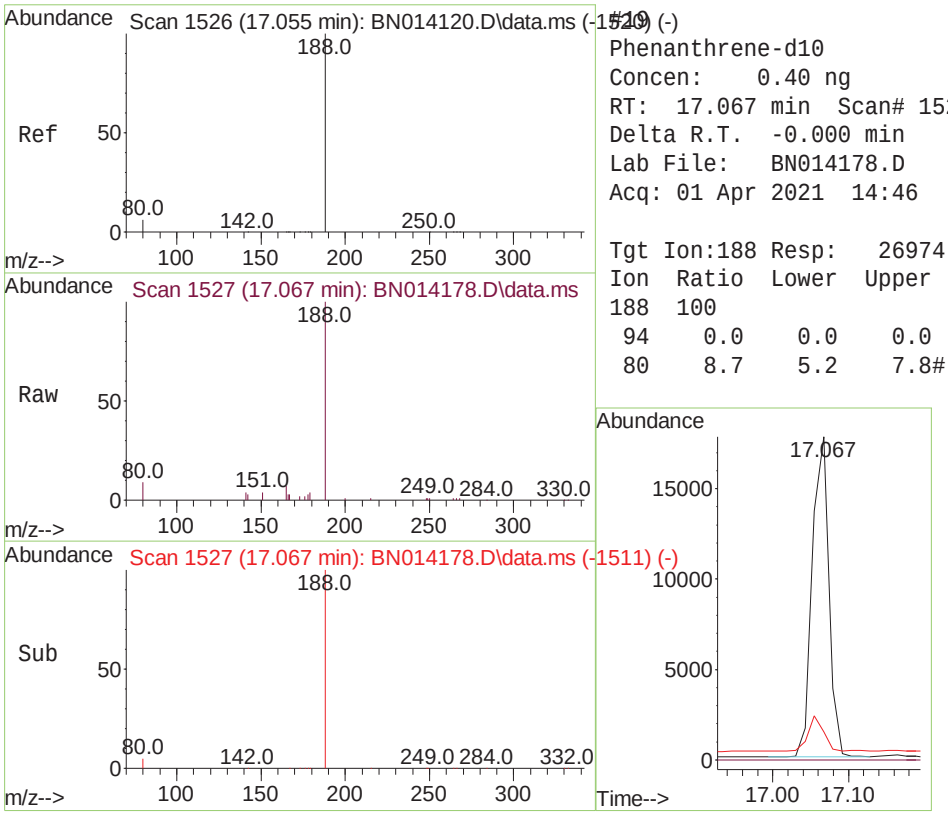


#18
Fluorene
Concen: 1.35 ng
RT: 15.374 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:166 Resp: 61167

Ion	Ratio	Lower	Upper
166	100		
165	94.8	77.9	116.9
167	16.1	10.6	16.0#

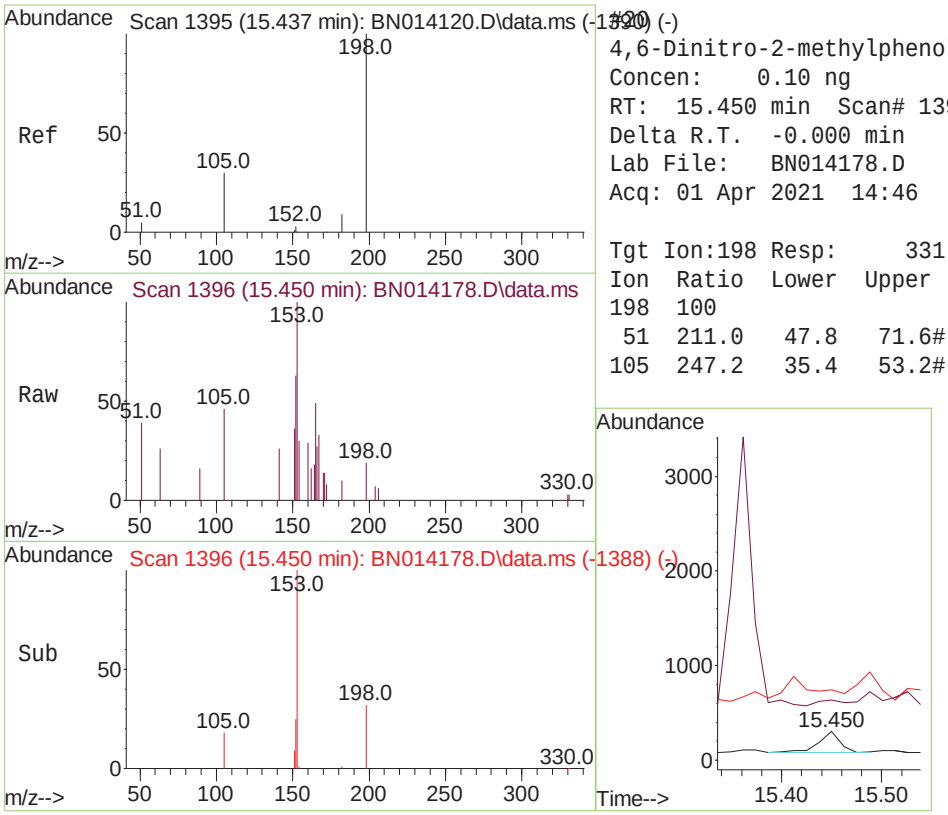
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.067 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:188 Resp: 26974

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	5.2	7.8#

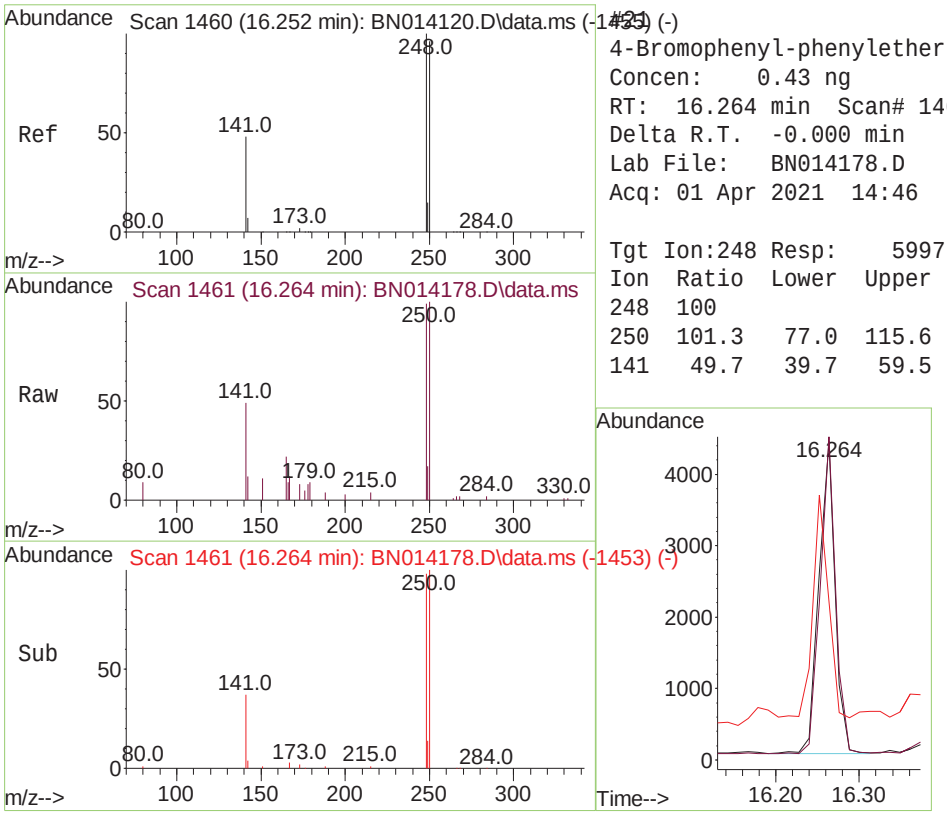


#20
4,6-Dinitro-2-methylphenol
Concen: 0.10 ng
RT: 15.450 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:198 Resp: 331

Ion	Ratio	Lower	Upper
198	100		
51	211.0	47.8	71.6#
105	247.2	35.4	53.2#

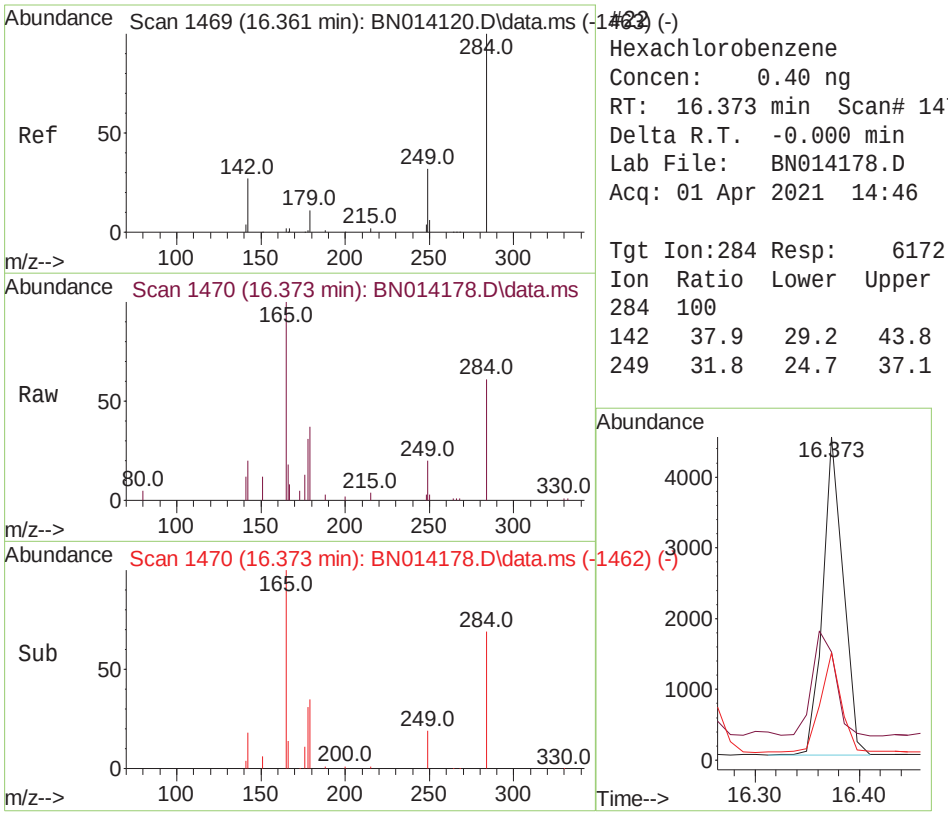
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD



#21
4-Bromophenyl-phenylether
Concen: 0.43 ng
RT: 16.264 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:248 Resp: 5997

Ion	Ratio	Lower	Upper
248	100		
250	101.3	77.0	115.6
141	49.7	39.7	59.5

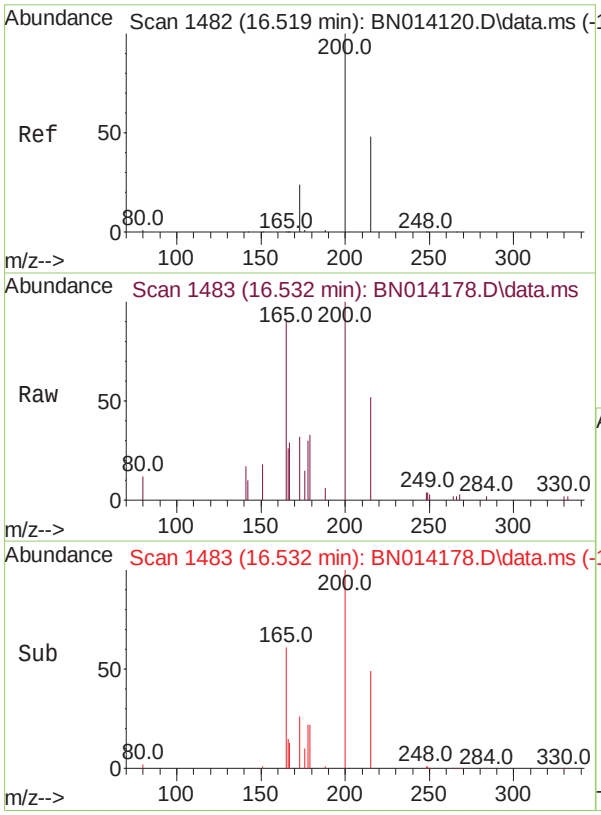


#22
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.373 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:284 Resp: 6172

Ion	Ratio	Lower	Upper
284	100		
142	37.9	29.2	43.8
249	31.8	24.7	37.1

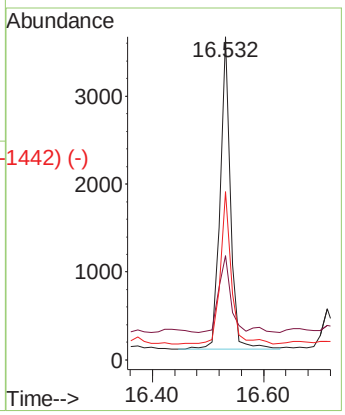
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

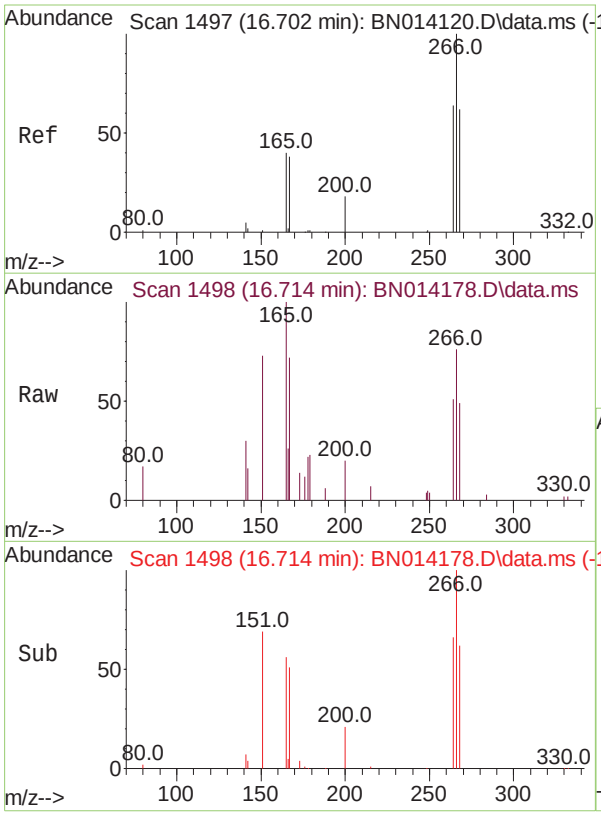


#23
Atrazine
Concen: 0.49 ng
RT: 16.532 min Scan# 1483
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:200 Resp: 4634

Ion	Ratio	Lower	Upper
200	100		
173	32.2	20.9	31.3#
215	52.1	39.5	59.3

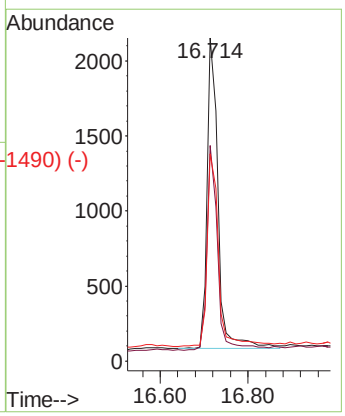




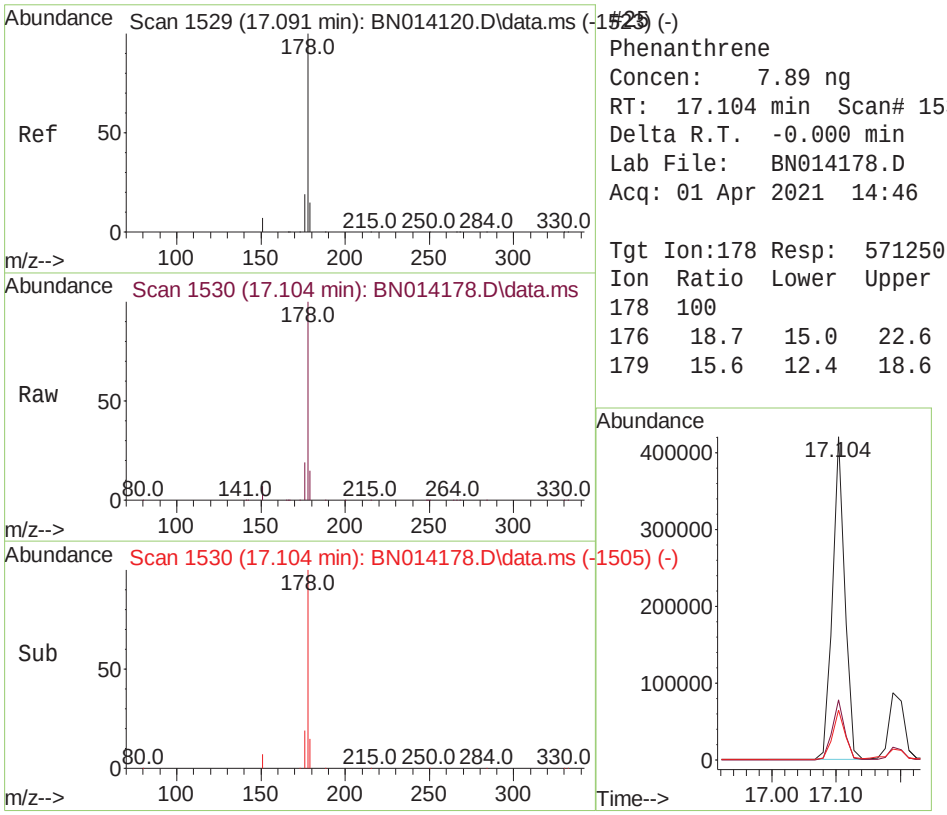
#24
Pentachlorophenol
Concen: 0.74 ng
RT: 16.714 min Scan# 1498
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:266 Resp: 3567

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.2	75.2
268	64.2	52.5	78.7



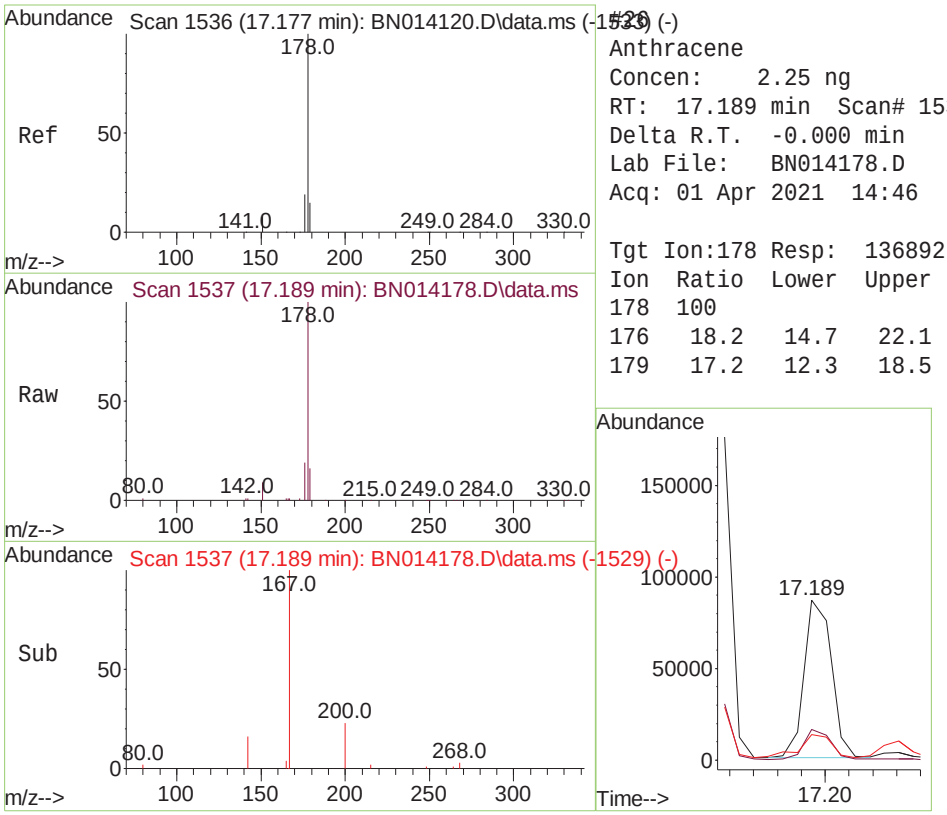
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD



#25
Phenanthrene
Concen: 7.89 ng
RT: 17.104 min Scan# 1530
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:178 Resp: 571250

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.4	18.6

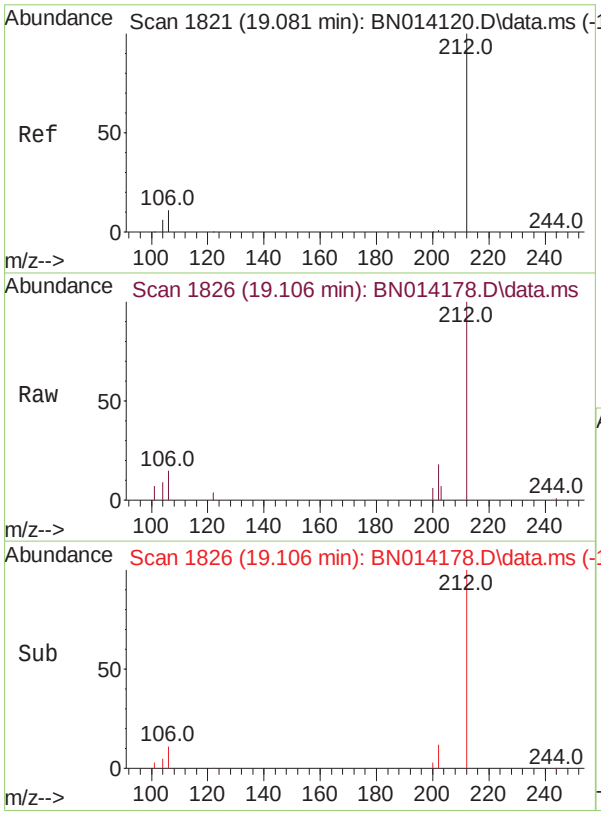


#26
Anthracene
Concen: 2.25 ng
RT: 17.189 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:178 Resp: 136892

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	17.2	12.3	18.5

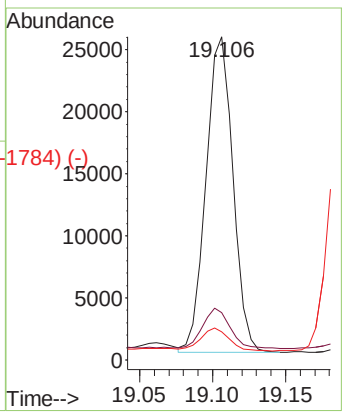
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

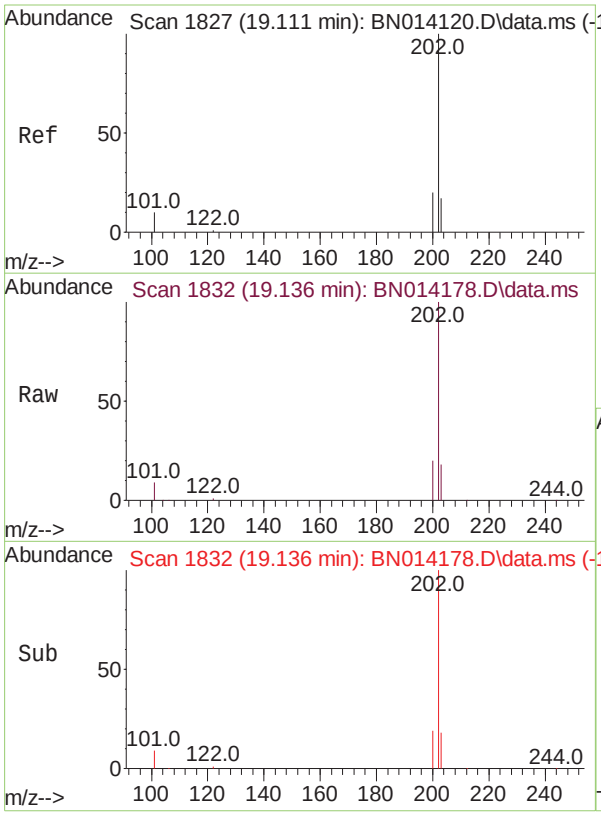


#27
Fluoranthene-d10
Concen: 0.46 ng
RT: 19.106 min Scan# 1826
Delta R.T. 0.010 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:212 Resp: 32644

Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.1	15.1
104	7.6	5.5	8.3

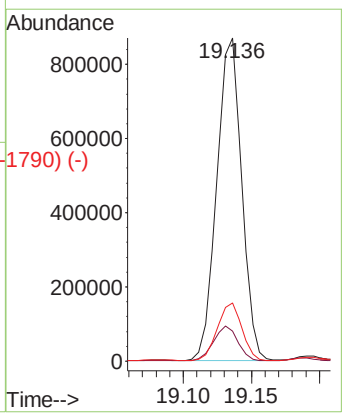




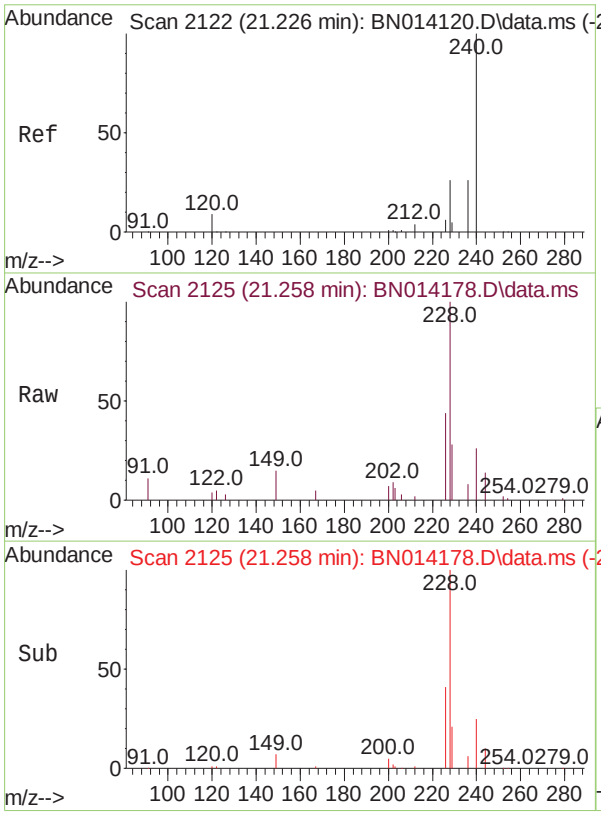
#28
Fluoranthene
Concen: 14.67 ng
RT: 19.136 min Scan# 1832
Delta R.T. 0.010 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:202 Resp: 1111107

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.8	13.2
203	17.6	13.8	20.6



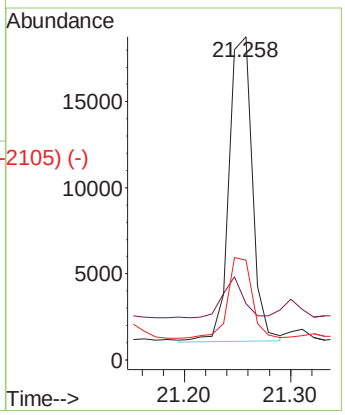
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

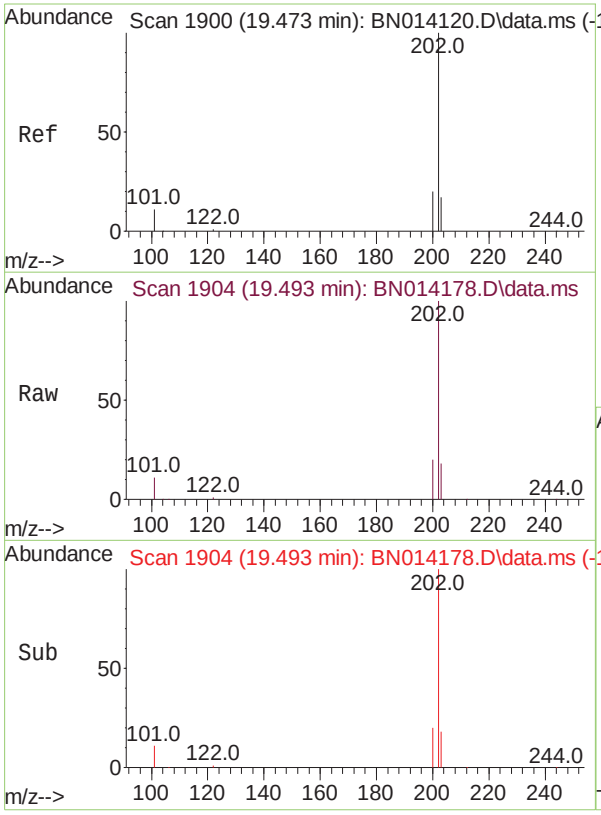


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.258 min Scan# 2125
Delta R.T. 0.011 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:240 Resp: 26777

Ion	Ratio	Lower	Upper
240	100		
120	17.4	8.4	12.6#
236	30.8	21.0	31.6

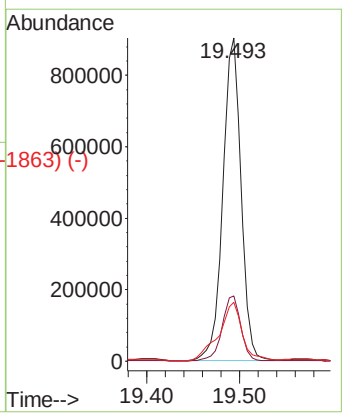




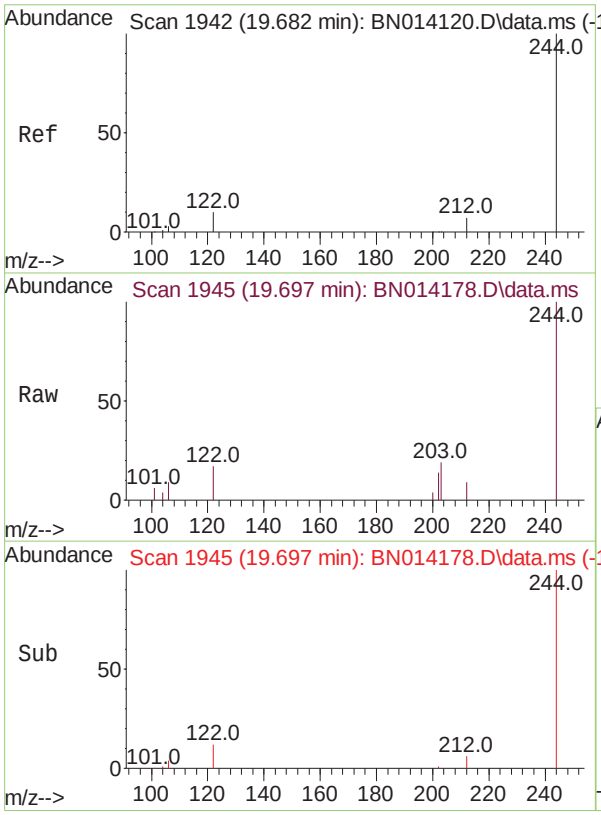
#30
Pyrene
Concen: 14.05 ng
RT: 19.493 min Scan# 1904
Delta R.T. 0.005 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:202 Resp: 1227189

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.2	24.4
203	23.1	13.9	20.9#



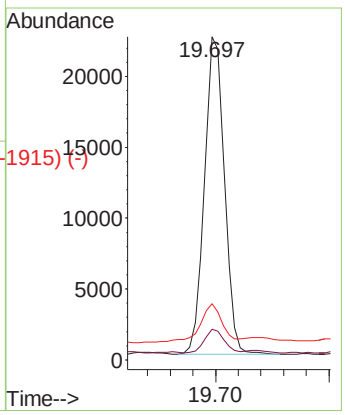
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

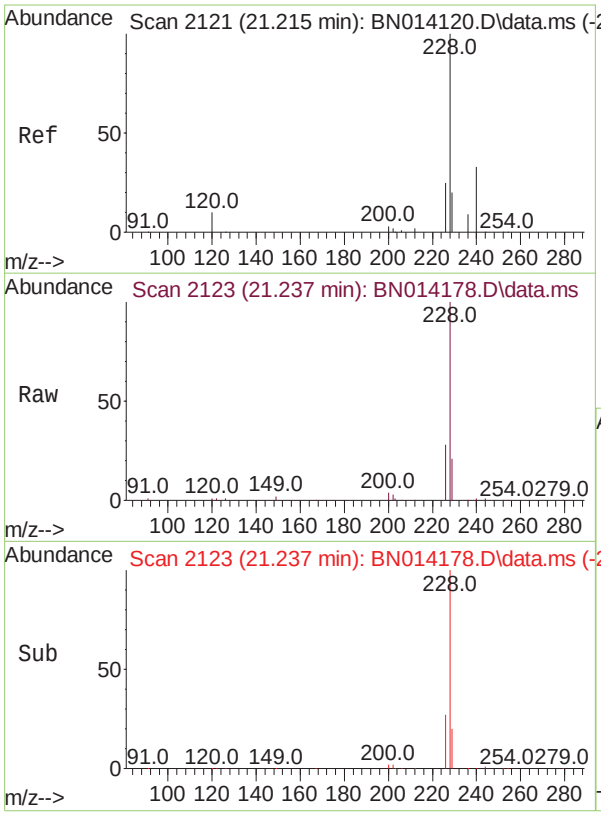


#31
Terphenyl-d14
Concen: 0.44 ng
RT: 19.697 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:244 Resp: 27147

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.0	9.0#
122	17.4	8.6	13.0#

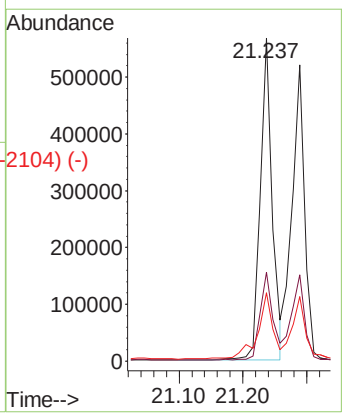




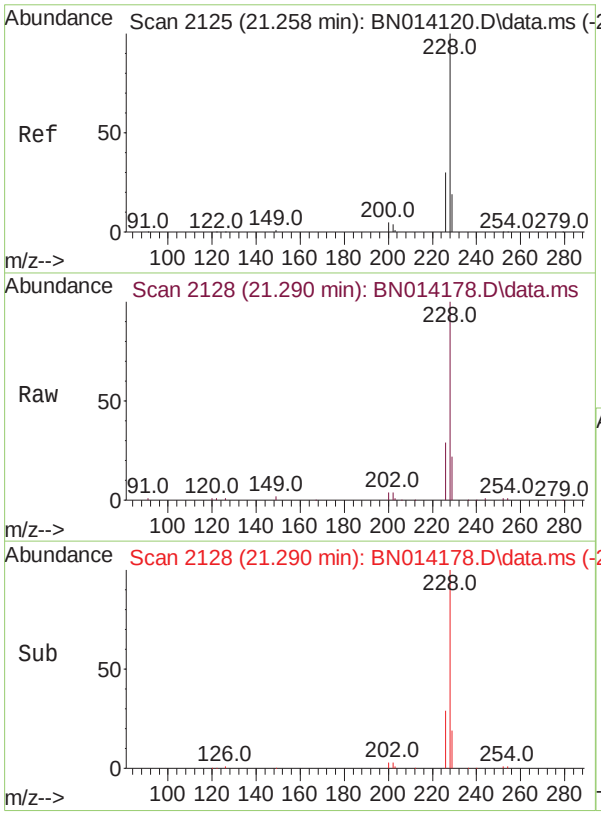
#32
Benzo(a)anthracene
Concen: 10.03 ng
RT: 21.237 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:228 Resp: 744306

Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.6	31.0
229	21.2	16.2	24.2



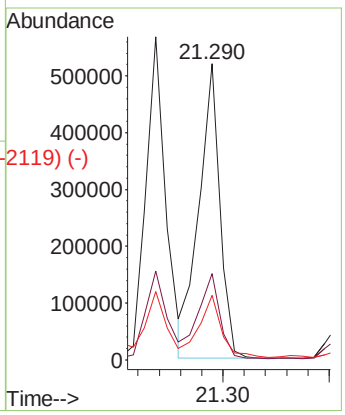
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

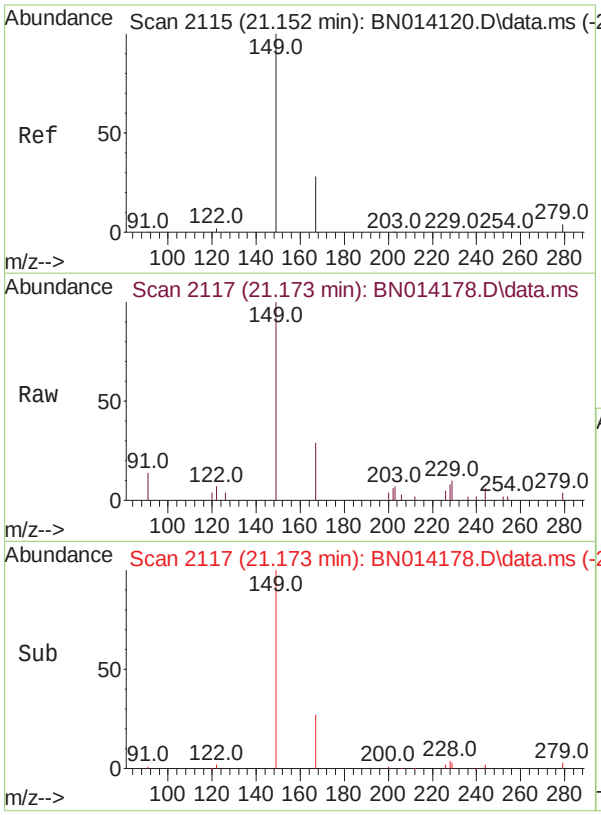


#23
Chrysene
Concen: 8.69 ng
RT: 21.290 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:228 Resp: 713389

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.4	36.6
229	21.8	15.5	23.3

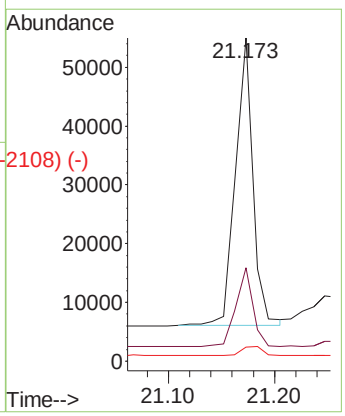




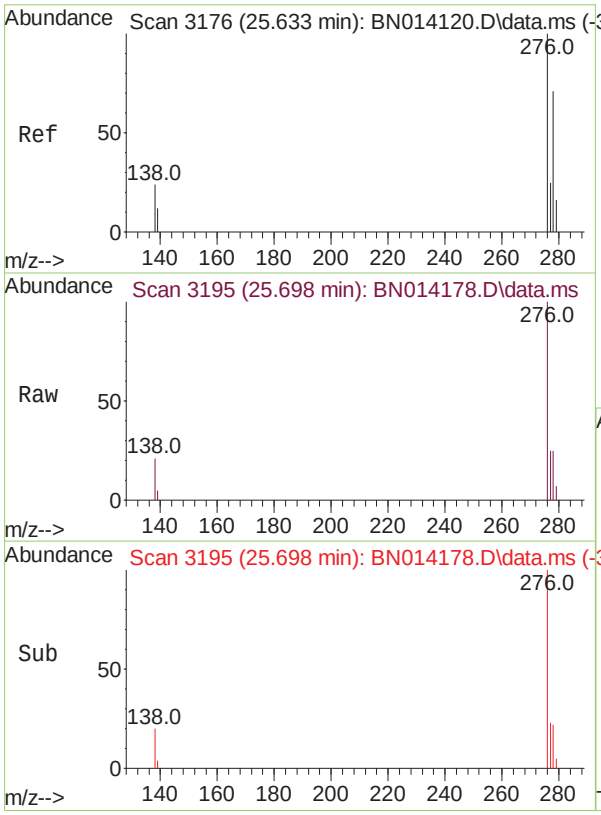
#34
Bis(2-ethylhexyl)phthalate
Concen: 2.44 ng
RT: 21.173 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:149 Resp: 55310

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.2
279	3.9	3.5	5.3



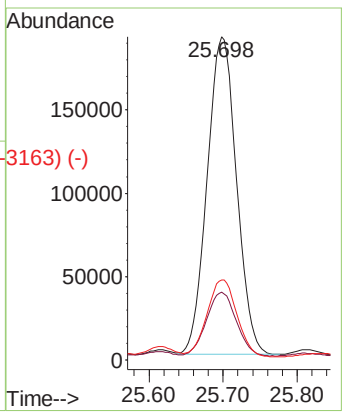
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

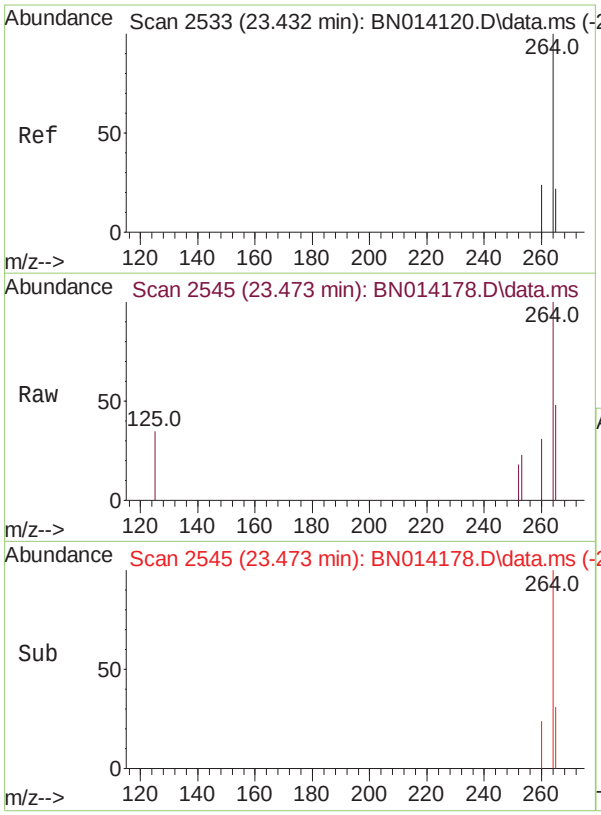


#35
Indeno(1,2,3-cd)pyrene
Concen: 6.21 ng
RT: 25.698 min Scan# 3195
Delta R.T. 0.010 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:276 Resp: 528815

Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.4	29.2
277	24.7	19.8	29.6

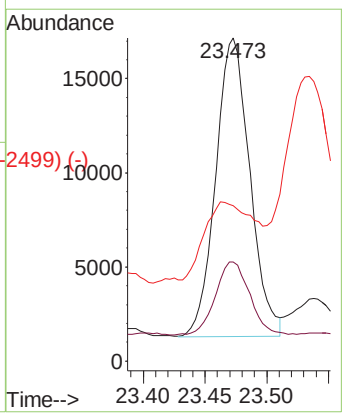




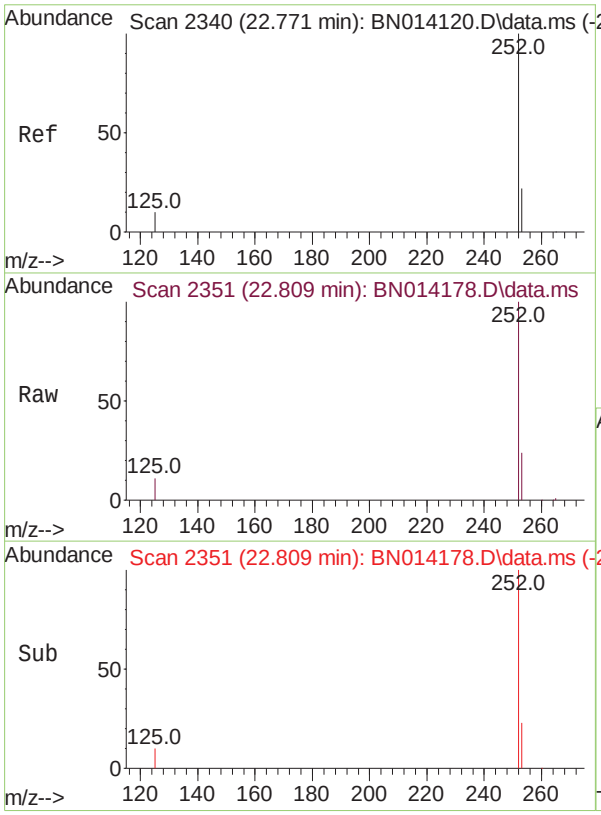
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.473 min Scan# 2545
Delta R.T. 0.007 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:264 Resp: 30471

Ion	Ratio	Lower	Upper
264	100		
260	30.7	19.8	29.8#
265	48.1	30.7	46.1#



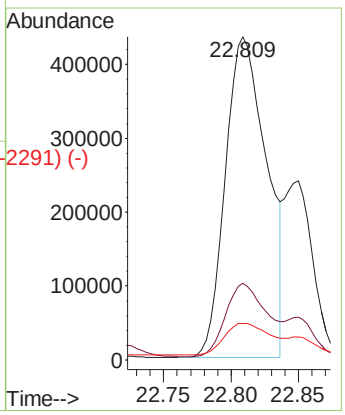
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

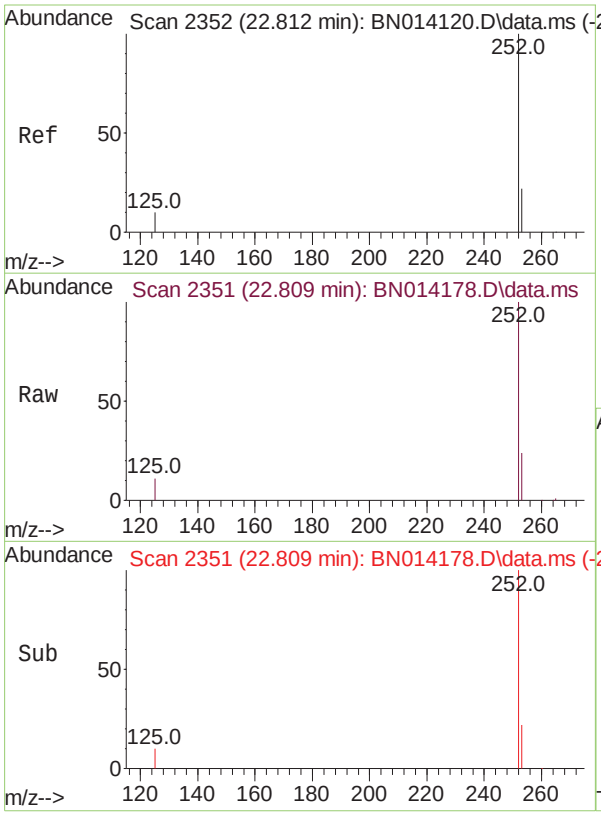


#37
Benzo(b)fluoranthene
Concen: 8.62 ng
RT: 22.809 min Scan# 2351
Delta R.T. 0.007 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:252 Resp: 926277

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.6	30.8
125	11.3	9.4	14.2

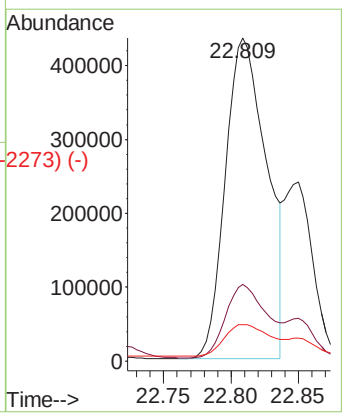




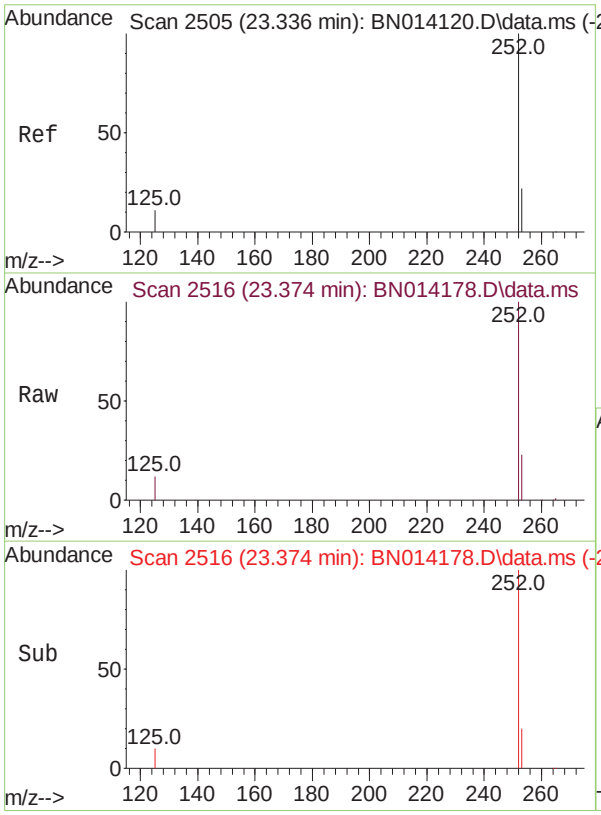
#38
Benzo(k)fluoranthene
Concen: 8.82 ng
RT: 22.809 min Scan# 2351
Delta R.T. -0.034 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:252 Resp: 926277

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.6	30.8
125	11.3	9.5	14.3



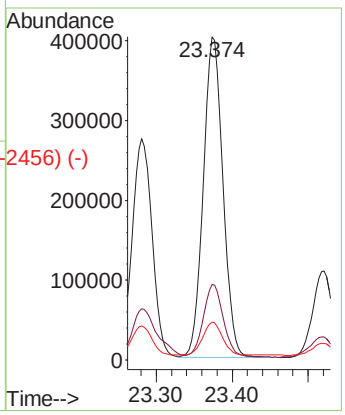
Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD

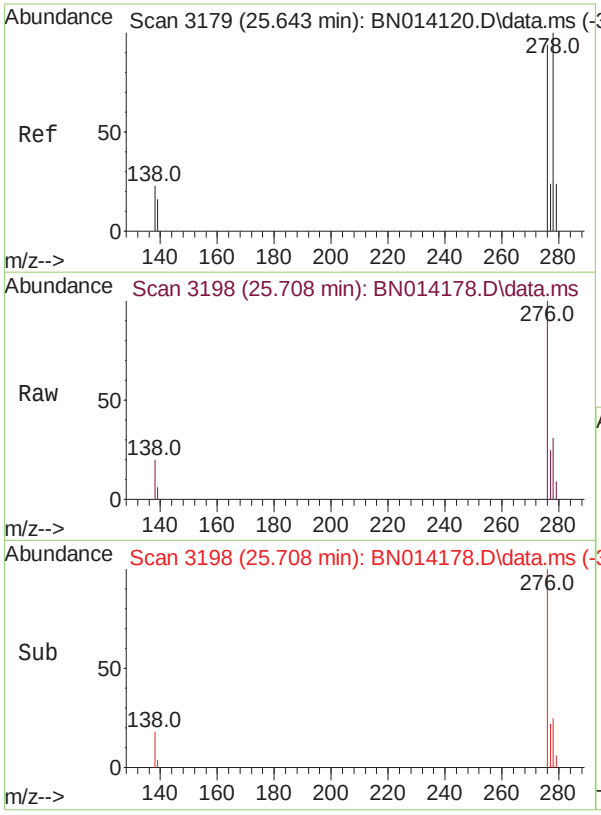


#39
Benzo(a)pyrene
Concen: 7.90 ng
RT: 23.374 min Scan# 2516
Delta R.T. 0.007 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:252 Resp: 728324

Ion	Ratio	Lower	Upper
252	100		
253	23.3	21.9	32.9
125	11.7	10.8	16.2

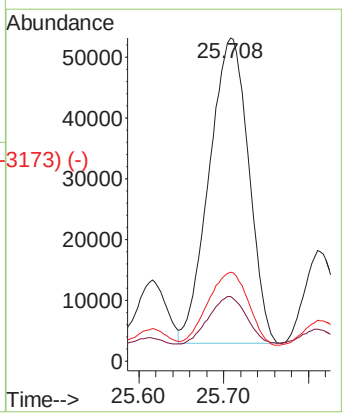


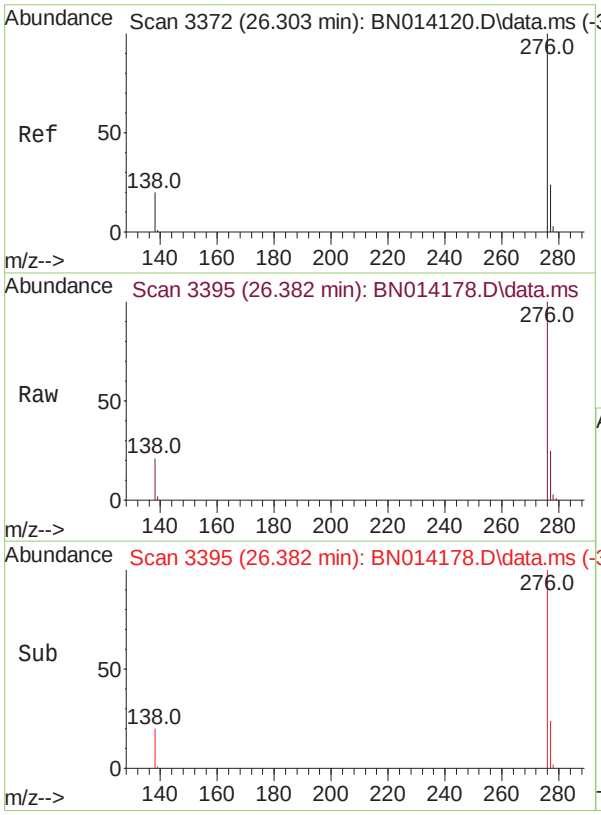


#40
Dibenzo(a,h)anthracene
Concen: 1.72 ng
RT: 25.708 min Scan# 3198
Delta R.T. 0.007 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:278 Resp: 162994

Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.4	20.0
279	27.5	21.3	31.9

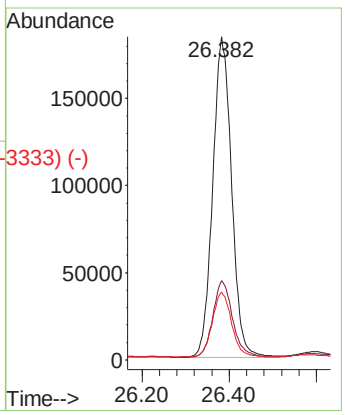




#41
Benzo(g,h,i)perylene
Concen: 5.47 ng
RT: 26.382 min Scan# 3395
Delta R.T. 0.014 min
Lab File: BN014178.D
Acq: 01 Apr 2021 14:46

Tgt Ion:276 Resp: 551302

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.1	30.1
138	20.9	17.0	25.4



Instrument :
BNA_N
ClientSampleId :
B1-0-2MSD