Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100721\
Data File : BN016816.D
Acq On : 07 Oct 2021 19:28
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

Quant Time: Oct 08 01:20:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 07 18:25:32 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	19983	0.40	ng	0.00
7) Naphthalene-d8	10.381	136	82812	0.40	ng	# 0.00
13) Acenaphthene-d10	14.243	164	44223	0.40	ng	0.00
19) Phenanthrene-d10	17.005	188	85678	0.40	ng	0.00
29) Chrysene-d12	21.217	240	87622	0.40	ng	# 0.00
35) Perylene-d12	23.454	264	94771	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.227	112	159743	3.13	ng	0.00
5) Phenol-d6	6.794	99	188947	3.34	ng	0.00
8) Nitrobenzene-d5	8.759	82	206645	3.56	ng	0.00
11) 2-Methylnaphthalene-d10	11.976	152	401433	3.25	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	88712	4.54	ng	0.00
15) 2-Fluorobiphenyl	12.873	172	558279	3.16	ng	0.00
27) Fluoranthene-d10	19.043	212	798828	3.41	ng	0.00
31) Terphenyl-d14	19.659	244	670391	3.42	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.217	88	28442	3.05	ng	# 71
3) n-Nitrosodimethylamine	3.539	42	53938	3.58	ng	99
6) bis(2-Chloroethyl)ether	7.052	93	172426	3.18	ng	99
9) Naphthalene	10.432	128	717506	3.17	ng	100
10) Hexachlorobutadiene	10.724	225	137134	3.24	ng	# 100
12) 2-Methylnaphthalene	12.052	142	458233	3.18	ng	100
16) Acenaphthylene	13.964	152	690782	3.54	ng	100
17) Acenaphthene	14.307	154	424318	3.29	ng	99
18) Fluorene	15.296	166	528364	3.40	ng	99
20) 4,6-Dinitro-2-methylph...	15.385	198	68102	11.49	ng	# 54
21) 4-Bromophenyl-phenylether	16.202	248	181214	3.47	ng	95
22) Hexachlorobenzene	16.312	284	197121	3.33	ng	99
23) Atrazine	16.482	200	159641	3.86	ng	98
25) Phenanthrene	17.042	178	826189	3.28	ng	100
26) Anthracene	17.139	178	788653	3.51	ng	100
28) Fluoranthene	19.073	202	921271	3.30	ng	99
30) Pyrene	19.440	202	960684	3.33	ng	100
32) Benzo(a)anthracene	21.196	228	987806	3.63	ng	98
33) Chrysene	21.249	228	951708	3.45	ng	98
36) Indeno(1,2,3-cd)pyrene	25.716	276	1237642	4.11	ng	99
37) Benzo(b)fluoranthene	22.779	252	1062438	3.47	ng	99
38) Benzo(k)fluoranthene	22.824	252	985305	3.35	ng	99
39) Benzo(a)pyrene	23.354	252	974500	3.55	ng	98
40) Dibenzo(a,h)anthracene	25.740	278	1017350	4.26	ng	99
41) Benzo(g,h,i)perylene	26.411	276	1074559	4.02	ng	99

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

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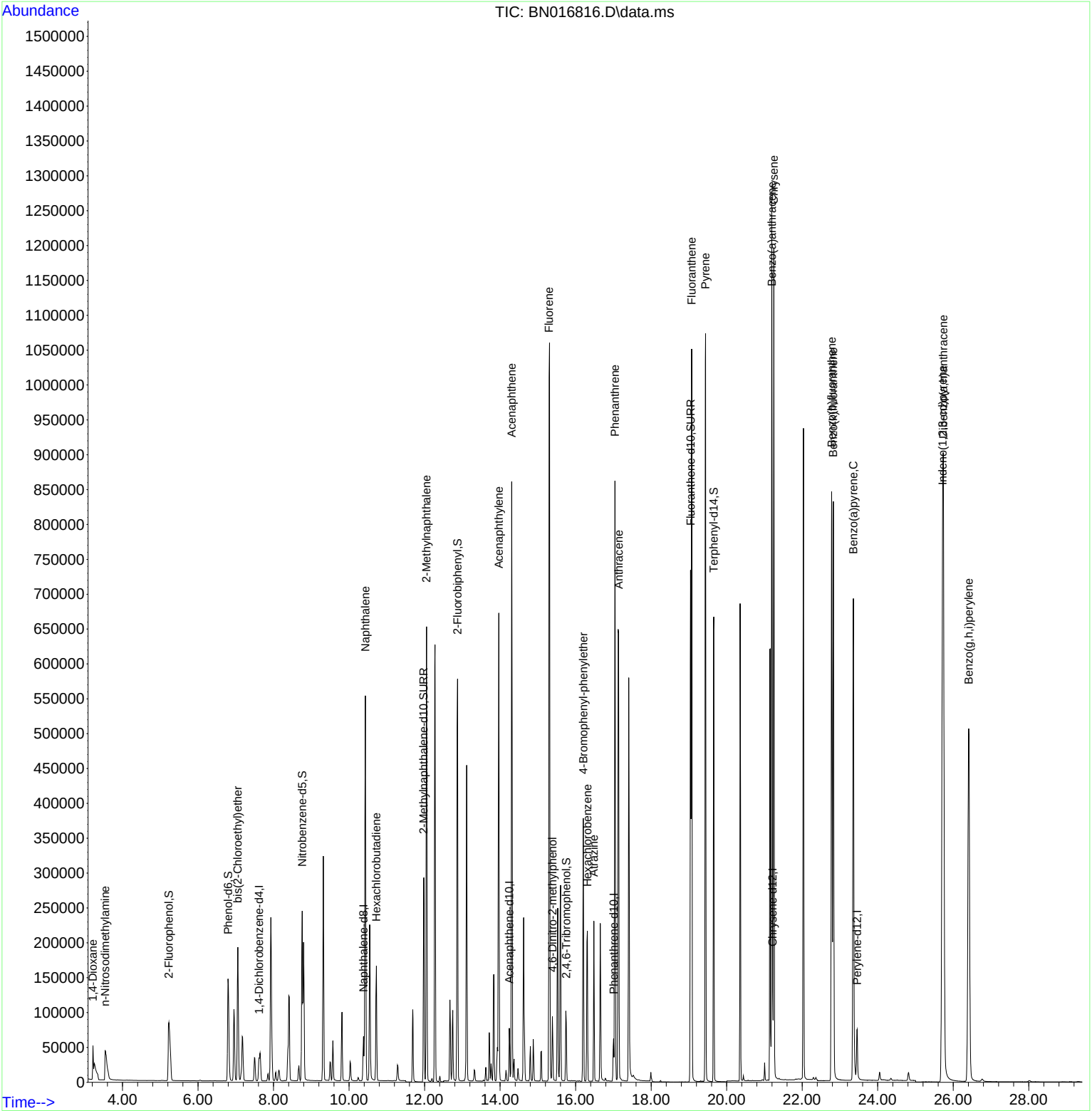
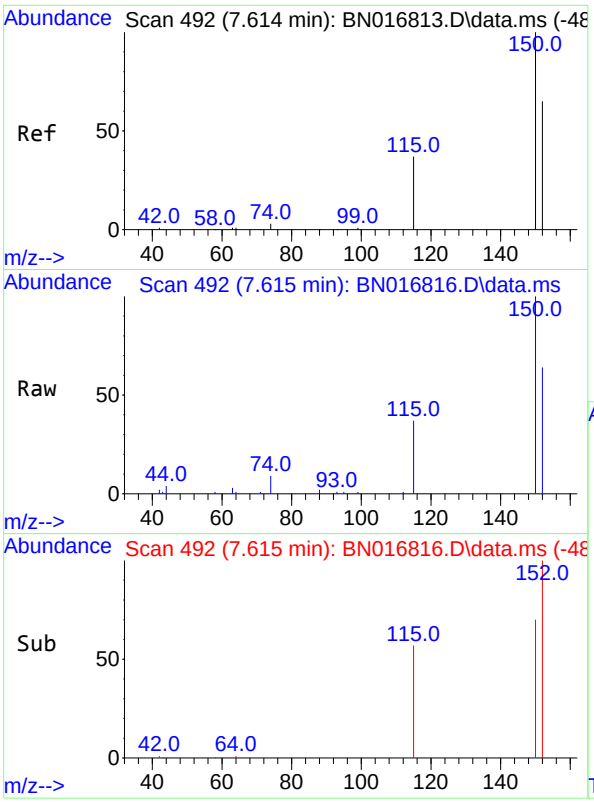
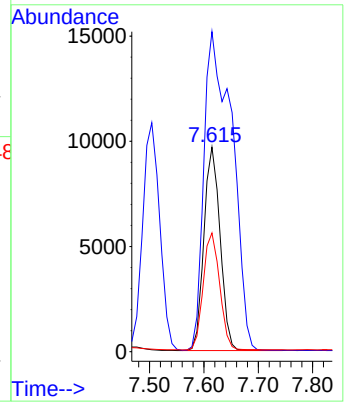




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:152 Resp: 19983

Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.3	184.9
115	58.1	47.0	70.6



Instrument :
BNA_N
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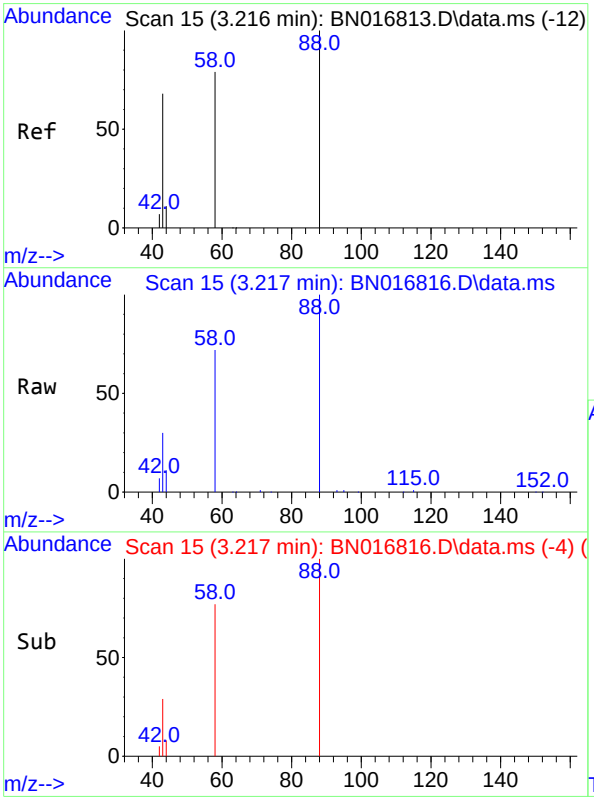
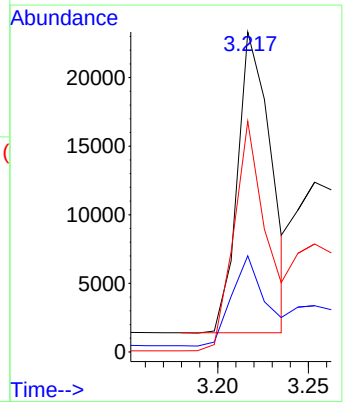
SSTDICC3.2



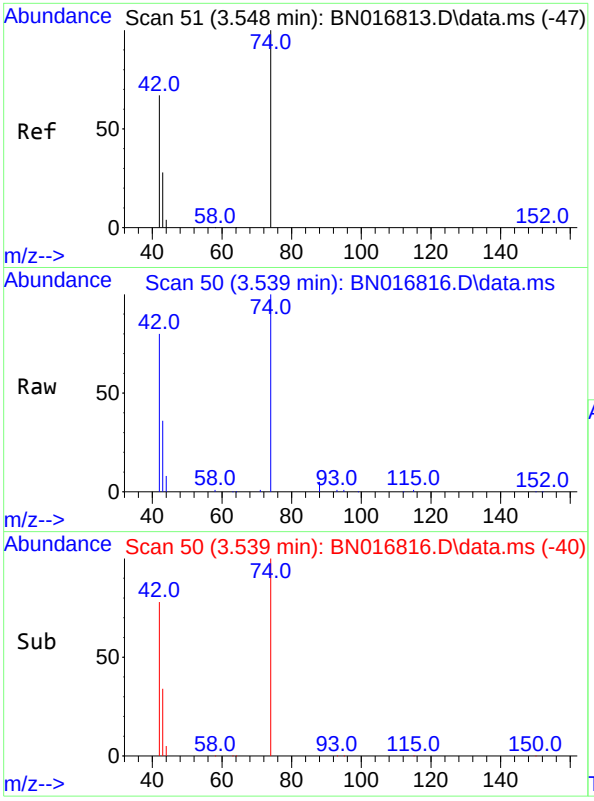
#2
1,4-Dioxane
Concen: 3.05 ng
RT: 3.217 min Scan# 15
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion: 88 Resp: 28442

Ion	Ratio	Lower	Upper
88	100		
43	30.5	61.7	92.5#
58	74.4	62.2	93.2



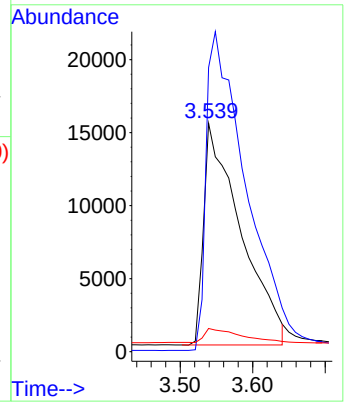
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

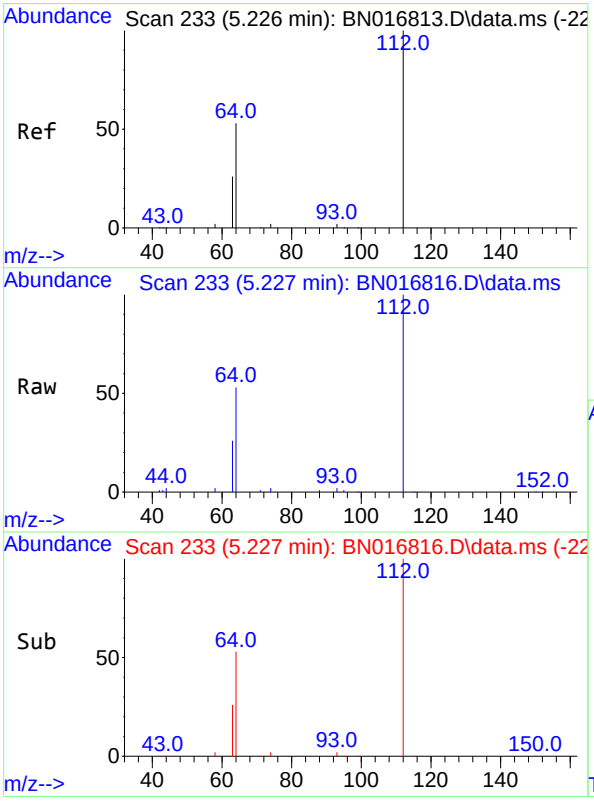


#3
n-Nitrosodimethylamine
Concen: 3.58 ng
RT: 3.539 min Scan# 50
Delta R.T. -0.009 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion: 42 Resp: 53938

Ion	Ratio	Lower	Upper
42	100		
74	153.3	124.0	186.0
44	6.0	5.6	8.4

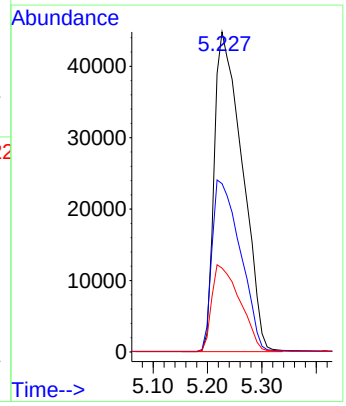




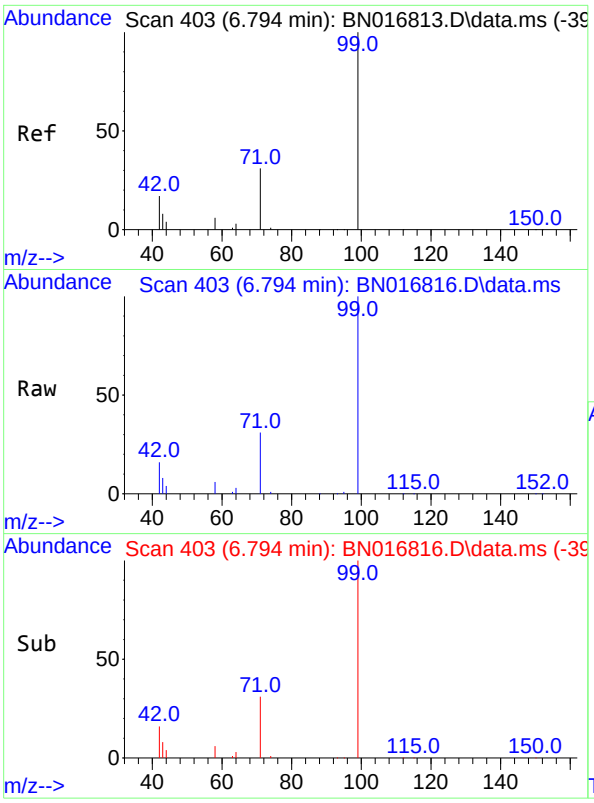
#4
2-Fluorophenol
Concen: 3.13 ng
RT: 5.227 min Scan# 233
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:112 Resp: 159743

Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.9	64.3
63	27.2	21.5	32.3



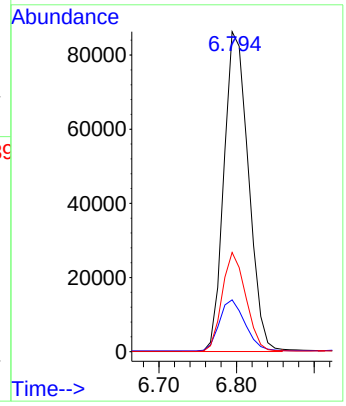
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

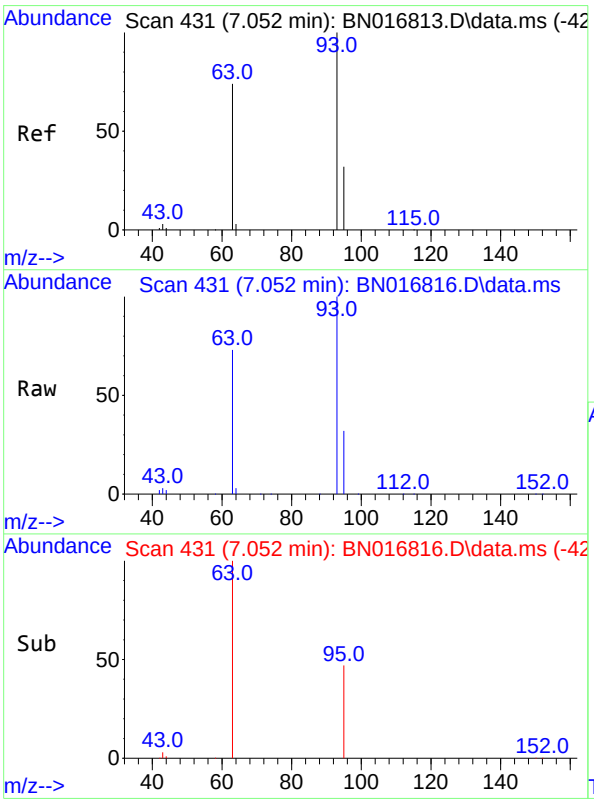


#5
Phenol-d6
Concen: 3.34 ng
RT: 6.794 min Scan# 403
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion: 99 Resp: 188947

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	30.0	24.0	36.0

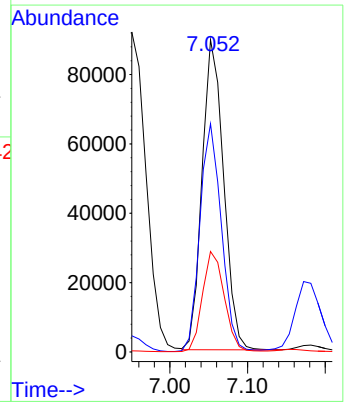


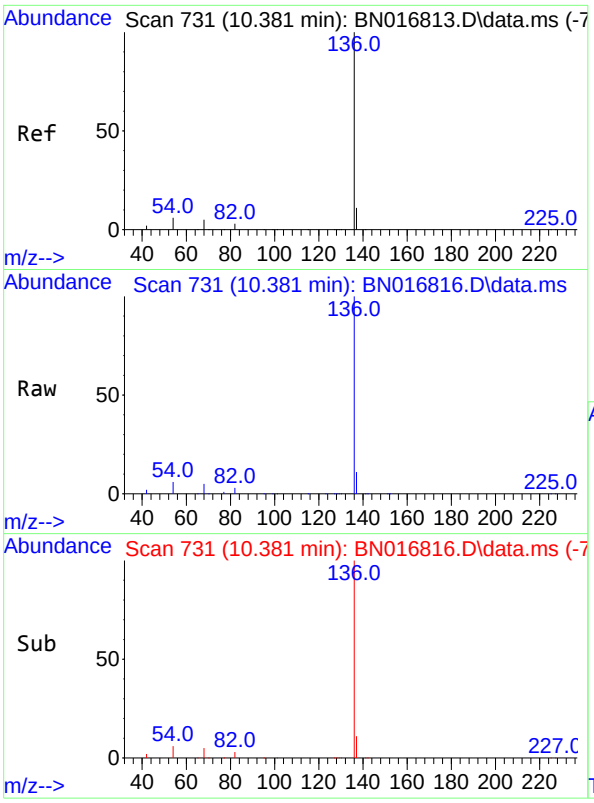


#6
bis(2-Chloroethyl)ether
Concen: 3.18 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion: 93 Resp: 172426

Ion	Ratio	Lower	Upper
93	100		
63	73.3	59.0	88.6
95	32.7	26.4	39.6

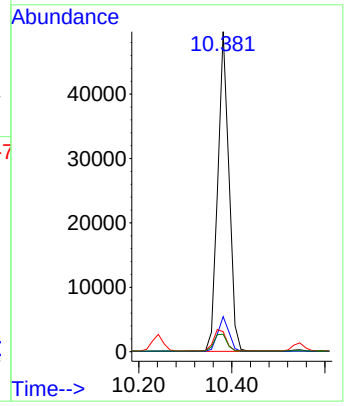




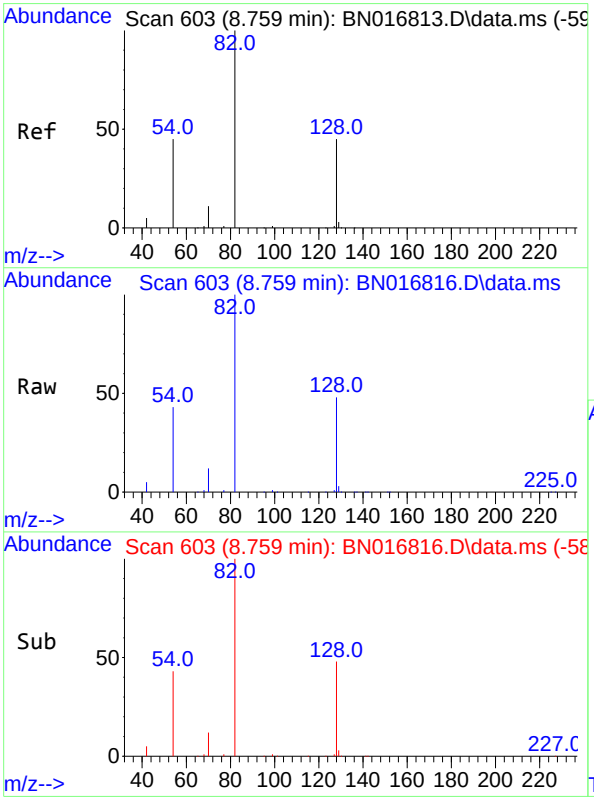
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:136 Resp: 82812

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.3	6.5	9.7#
68	5.4	5.3	7.9



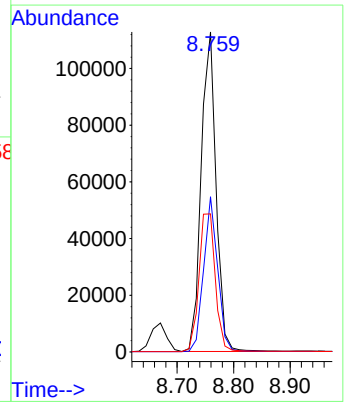
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2



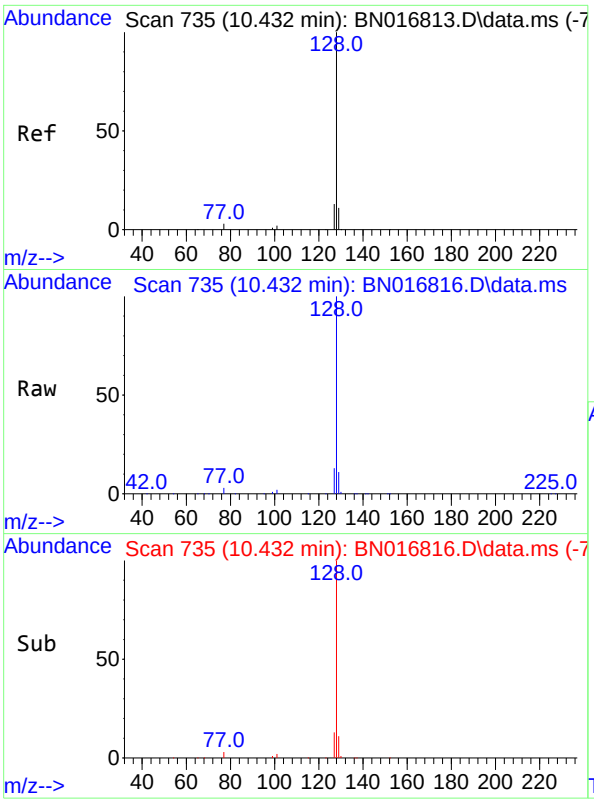
#8
Nitrobenzene-d5
Concen: 3.56 ng
RT: 8.759 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion: 82 Resp: 206645

Ion	Ratio	Lower	Upper
82	100		
128	48.5	33.8	50.6
54	43.1	38.5	57.7



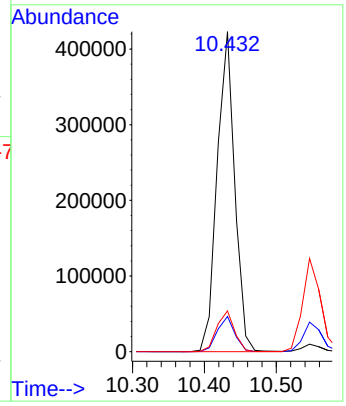
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

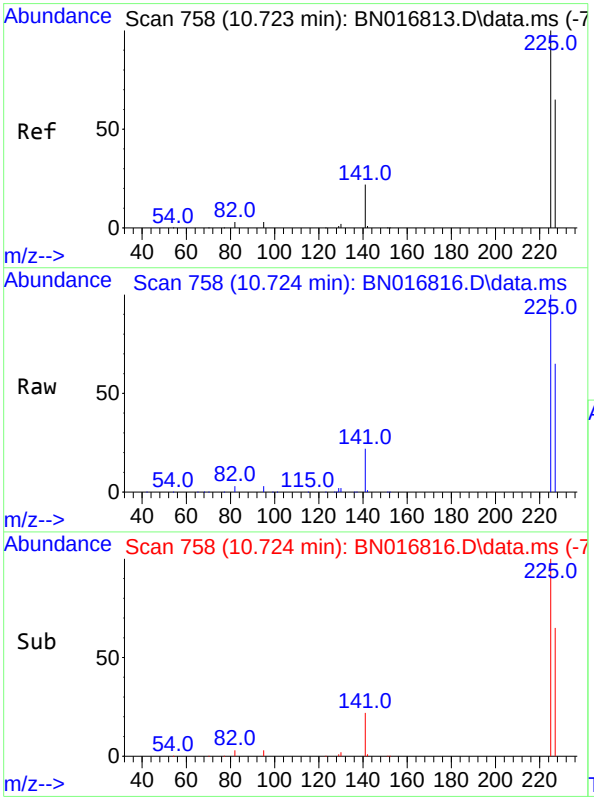


#9
Naphthalene
Concen: 3.17 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:128 Resp: 717506

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.8	10.3	15.5

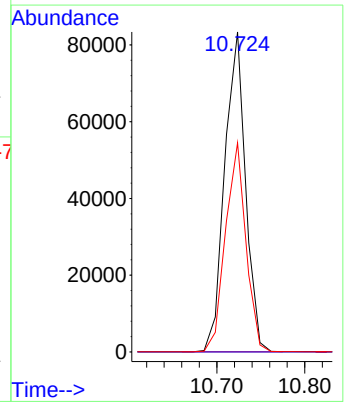




#10
Hexachlorobutadiene
Concen: 3.24 ng
RT: 10.724 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:225 Resp: 137134

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.1	76.7



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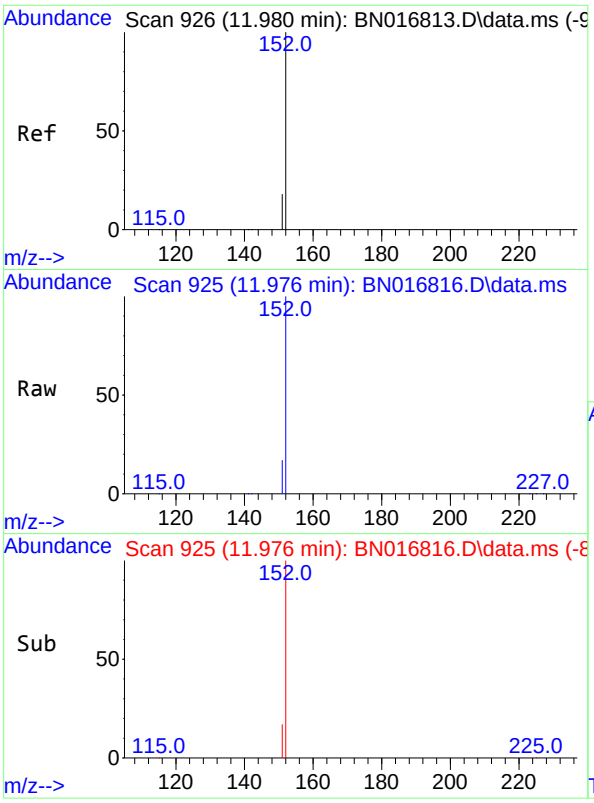
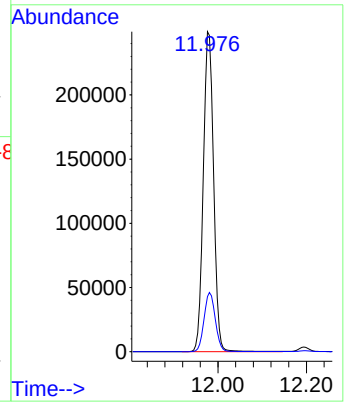
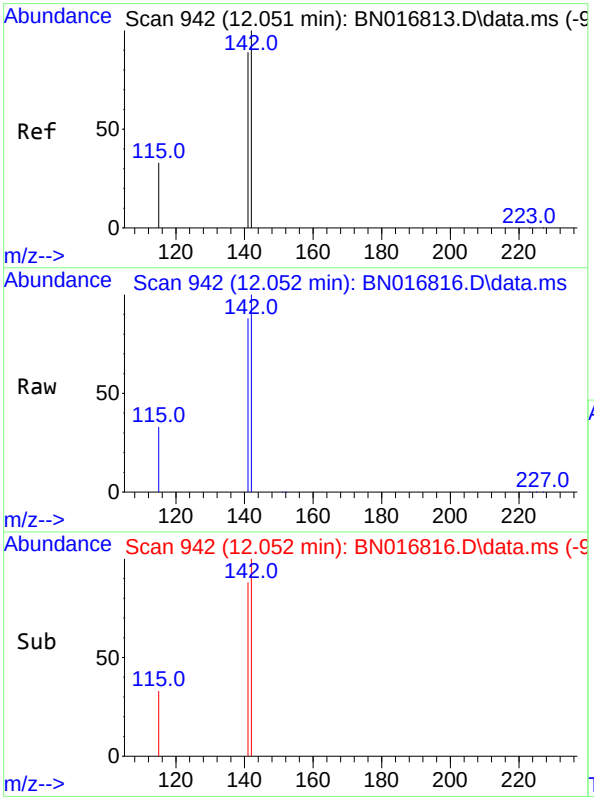


#11
2-Methylnaphthalene-d10
Concen: 3.25 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:152 Resp: 401433

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4

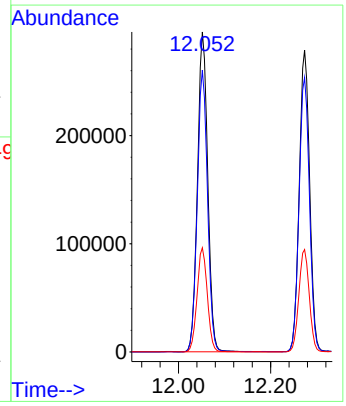




#12
2-Methylnaphthalene
Concen: 3.18 ng
RT: 12.052 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:142 Resp: 458233

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.6	106.0
115	32.6	26.1	39.1



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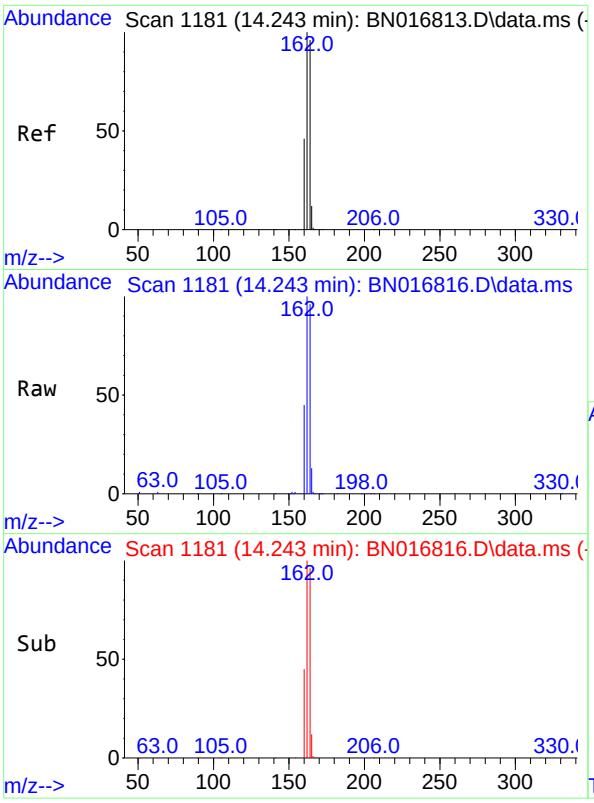
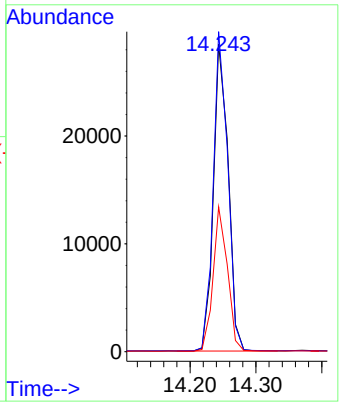
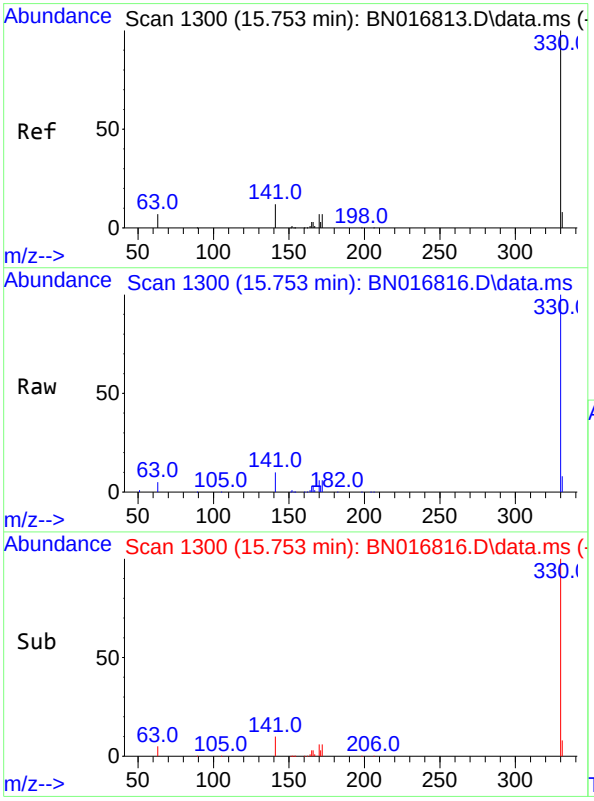


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:164 Resp: 44223

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	124.0
160	47.0	38.2	57.2

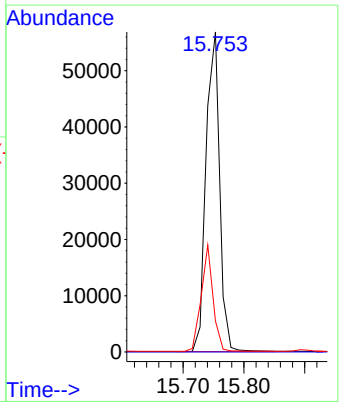




#14
2,4,6-Tribromophenol
Concen: 4.54 ng
RT: 15.753 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:330 Resp: 88712

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.1	24.2	36.2



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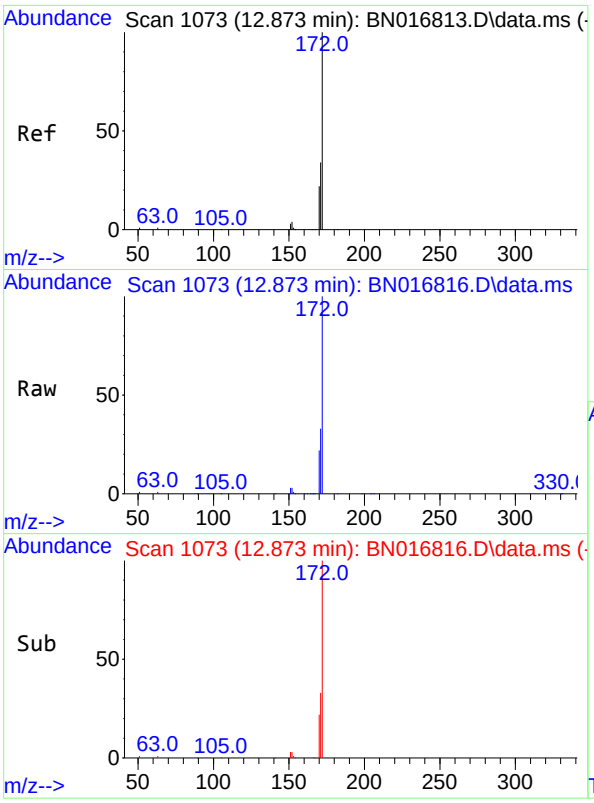
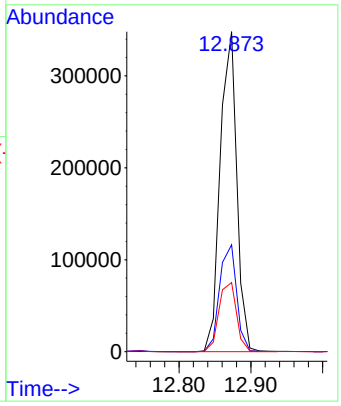
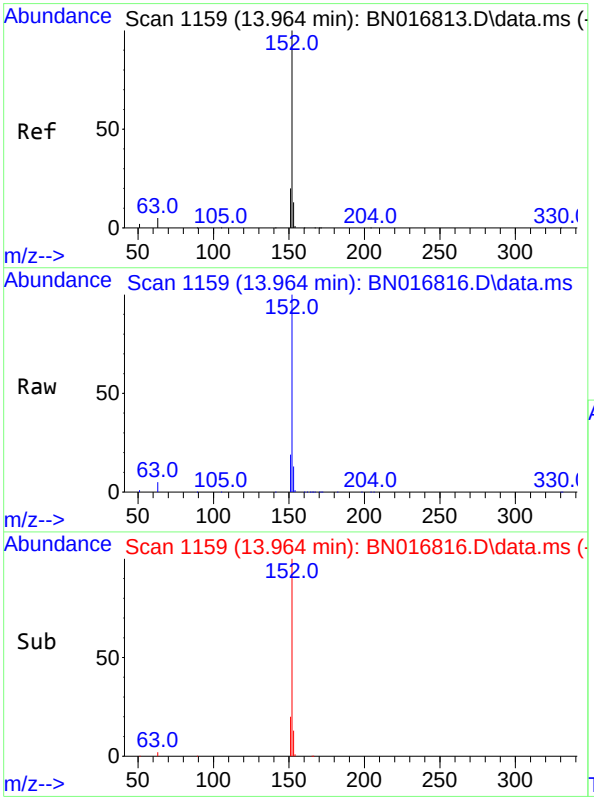


#15
2-Fluorobiphenyl
Concen: 3.16 ng
RT: 12.873 min Scan# 1073
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:172 Resp: 558279

Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.9	40.3
170	21.6	17.4	26.0

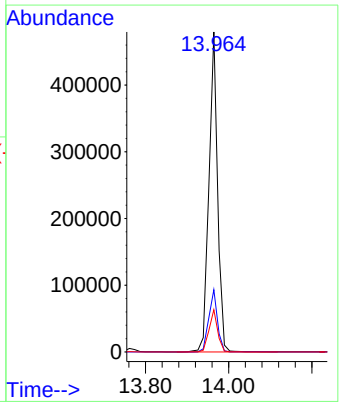




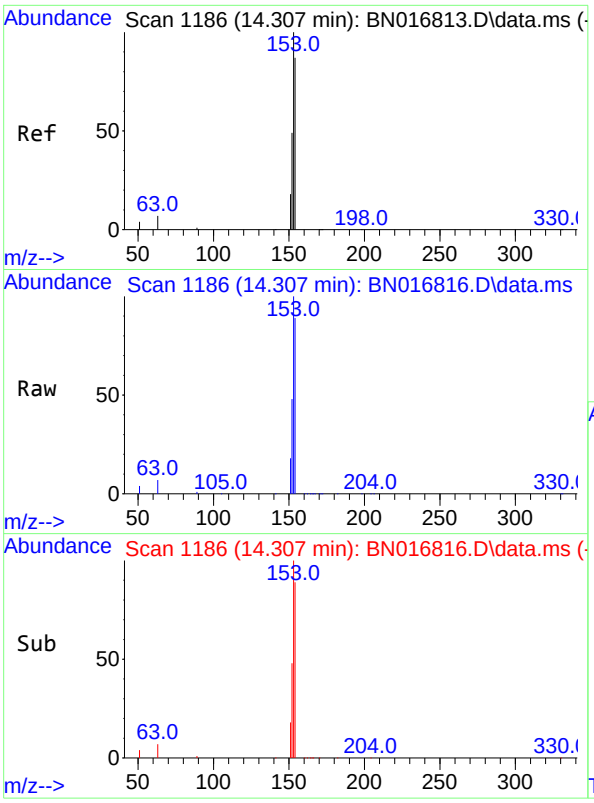
#16
Acenaphthylene
Concen: 3.54 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:152 Resp: 690782

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.1	10.4	15.6



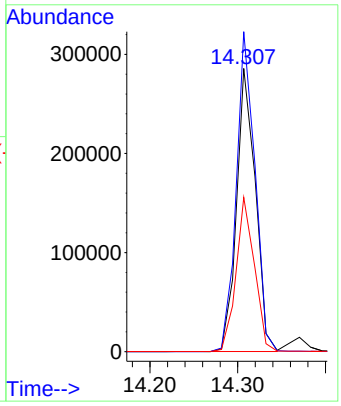
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

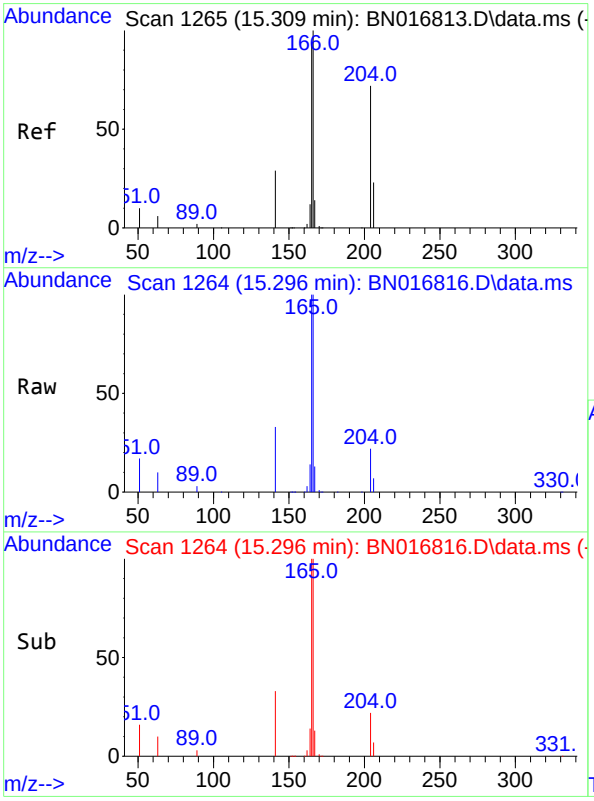


#17
Acenaphthene
Concen: 3.29 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:154 Resp: 424318

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.1	135.1
152	53.5	43.6	65.4

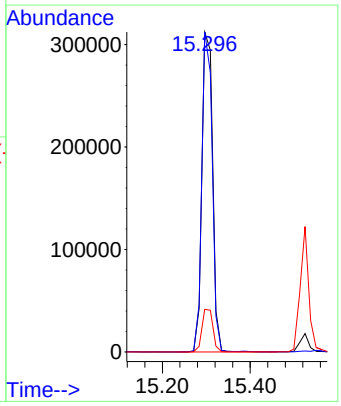




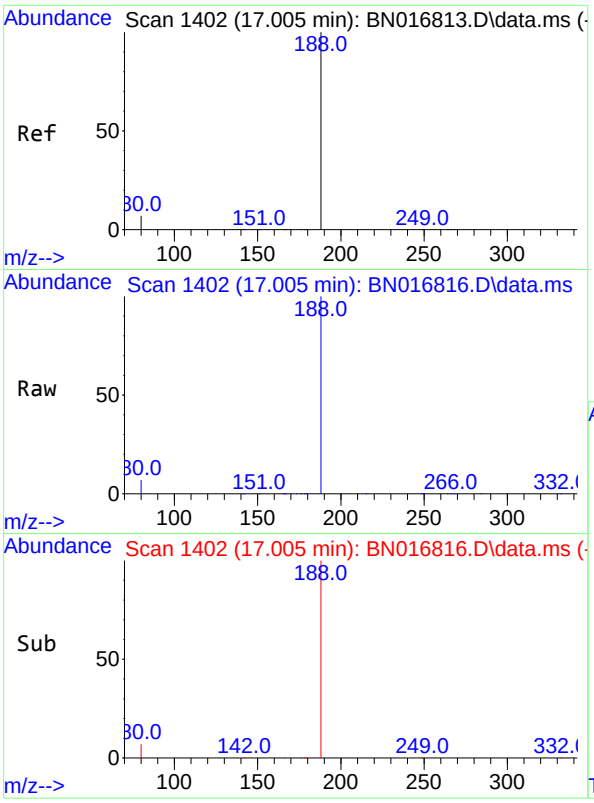
#18
Fluorene
Concen: 3.40 ng
RT: 15.296 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:166 Resp: 528364

Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.1	117.1
167	13.5	10.7	16.1



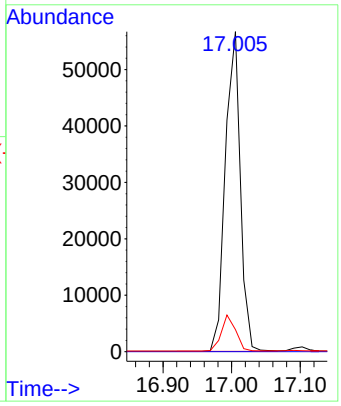
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

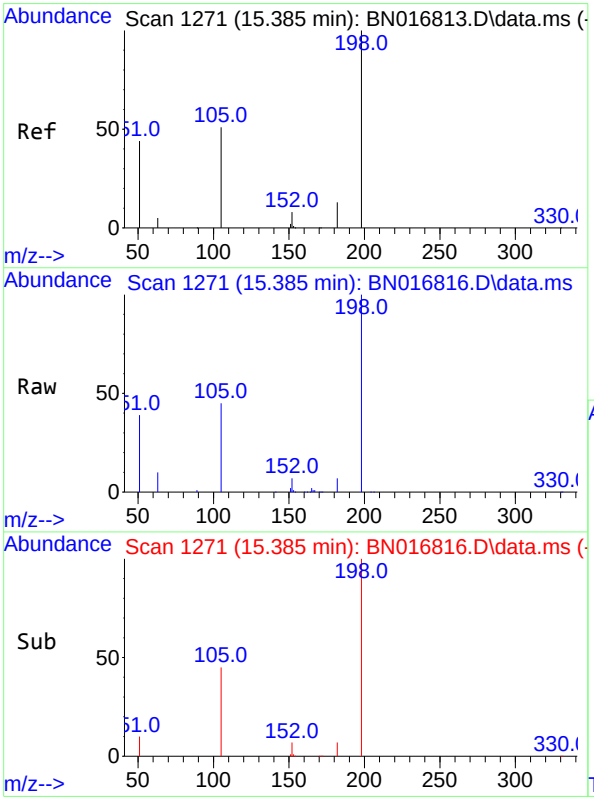


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:188 Resp: 85678

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	5.8	8.8

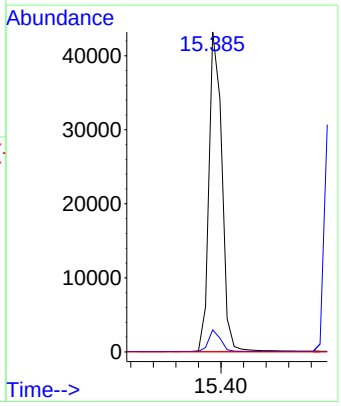




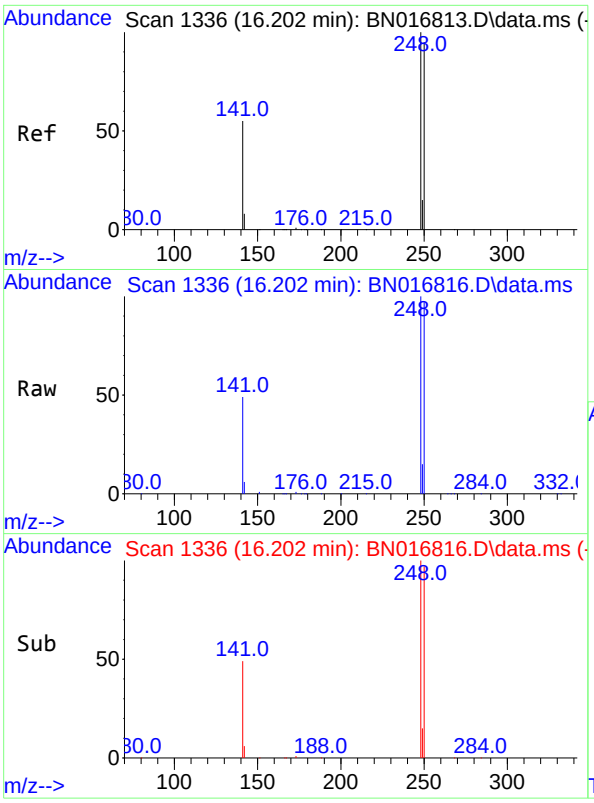
#20
4,6-Dinitro-2-methylphenol
Concen: 11.49 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:198 Resp: 68102

Ion	Ratio	Lower	Upper
198	100		
182	6.9	26.2	39.2#
77	0.0	0.0	0.0



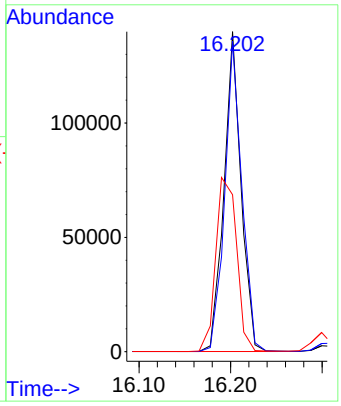
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

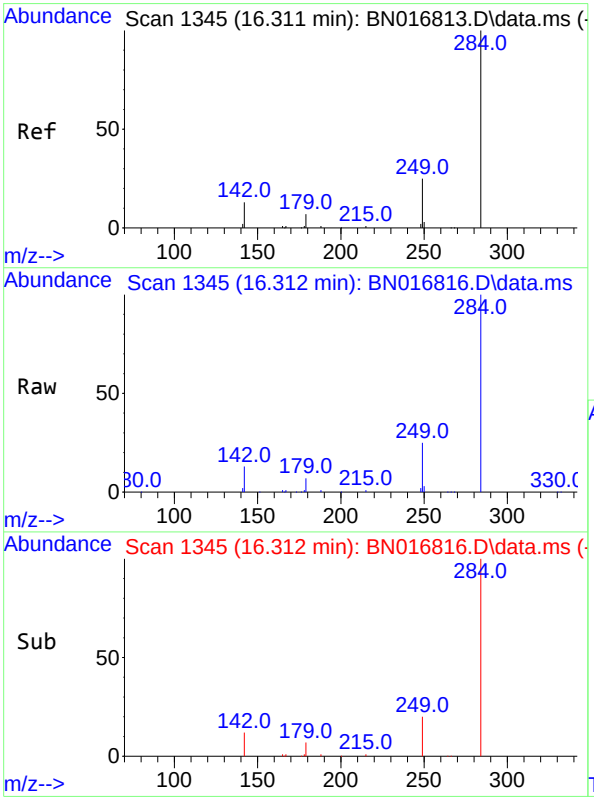


#21
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 16.202 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:248 Resp: 181214

Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.2	114.4
141	49.1	45.6	68.4

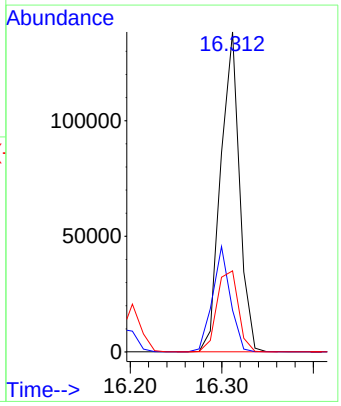




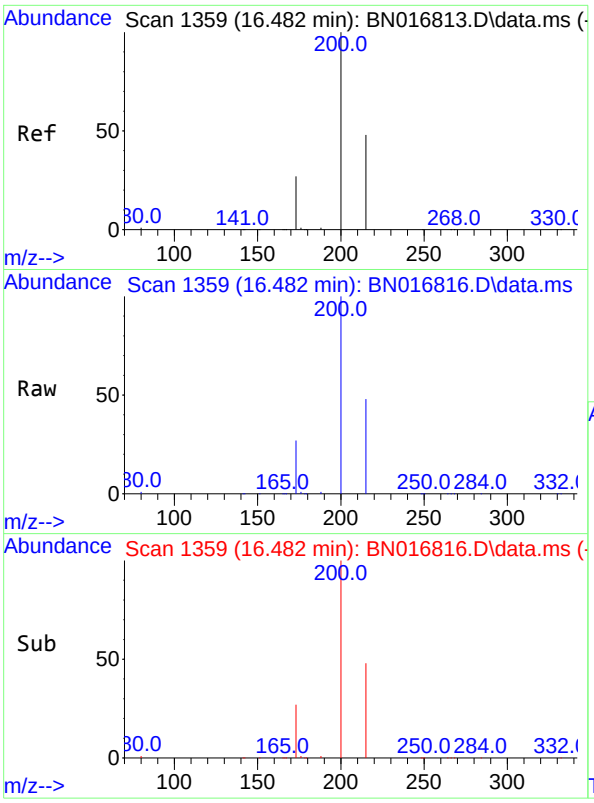
#22
Hexachlorobenzene
Concen: 3.33 ng
RT: 16.312 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:284 Resp: 197121

Ion	Ratio	Lower	Upper
284	100		
142	31.3	25.8	38.6
249	29.0	23.3	34.9



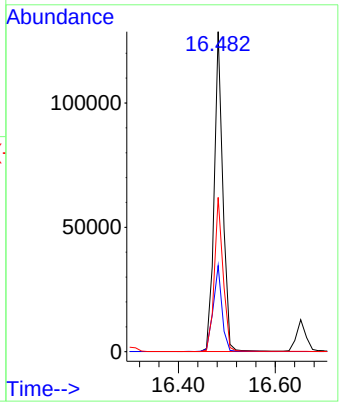
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

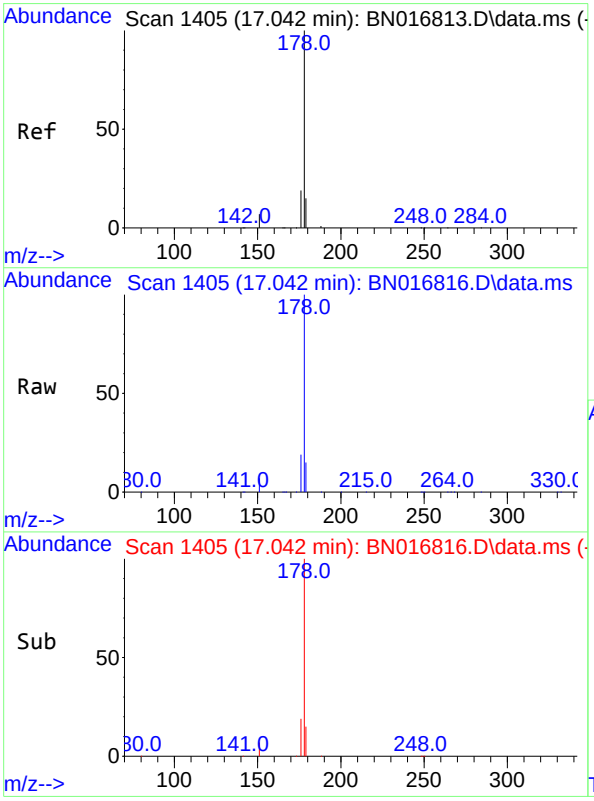


#23
Atrazine
Concen: 3.86 ng
RT: 16.482 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:200 Resp: 159641

Ion	Ratio	Lower	Upper
200	100		
173	26.9	20.1	30.1
215	48.2	38.8	58.2

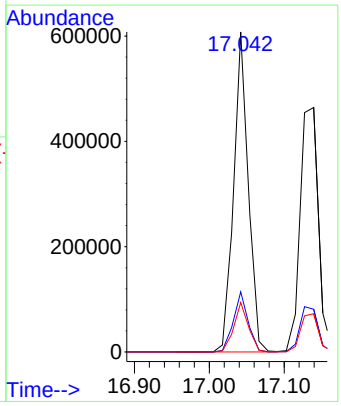




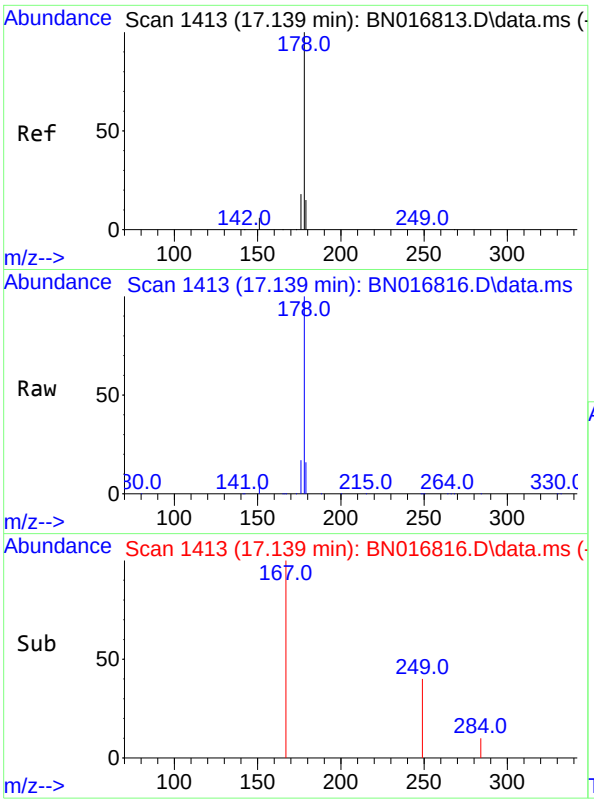
#25
Phenanthrene
Concen: 3.28 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:178 Resp: 826189

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.4	18.6



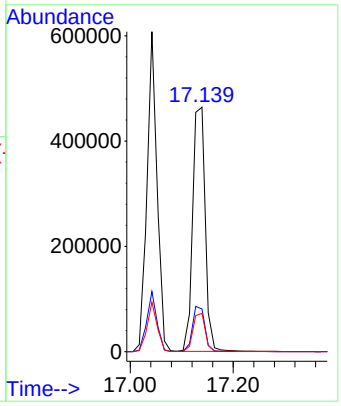
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

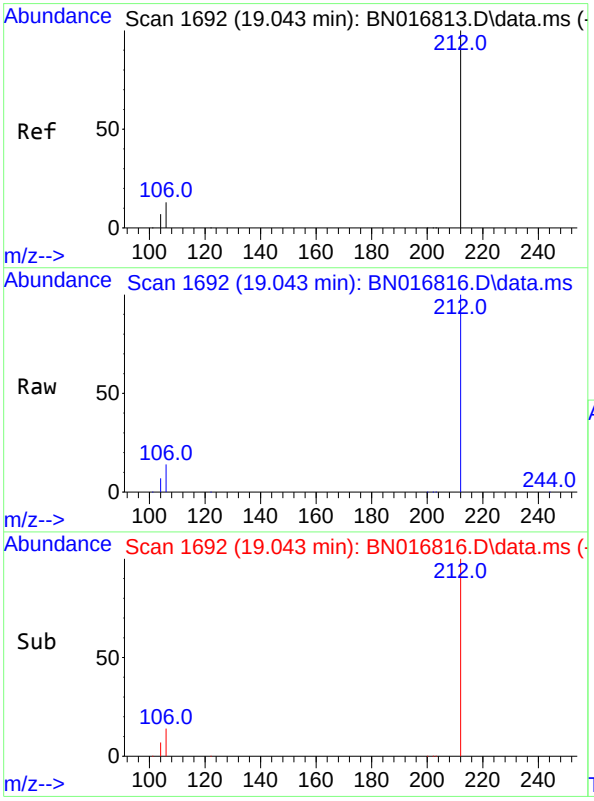


#26
Anthracene
Concen: 3.51 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:178 Resp: 788653

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.5	12.2	18.4

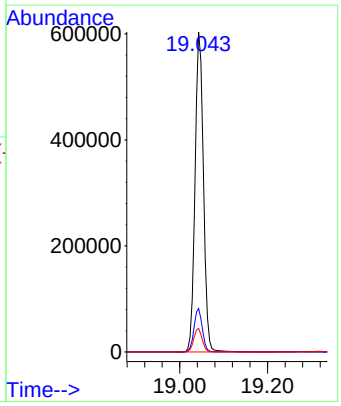




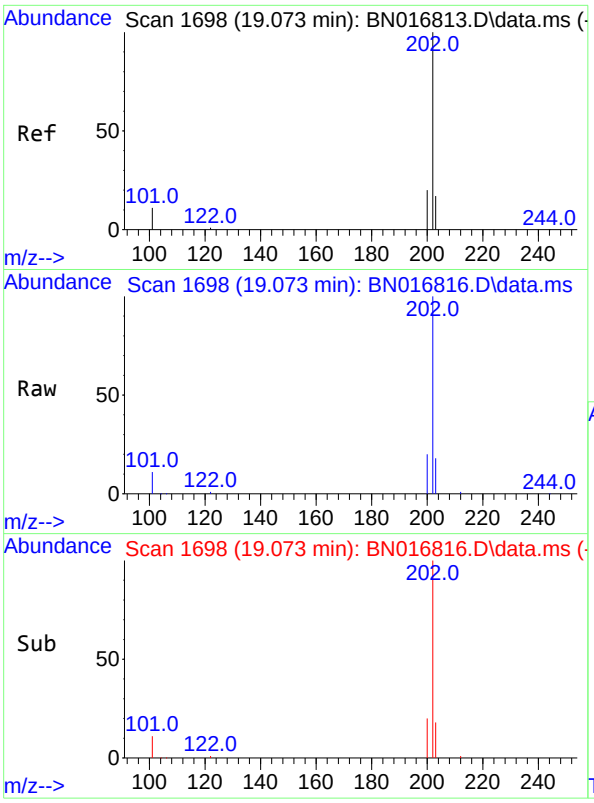
#27
Fluoranthene-d10
Concen: 3.41 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:212 Resp: 798828

Ion	Ratio	Lower	Upper
212	100		
106	13.5	10.6	16.0
104	7.3	5.8	8.8



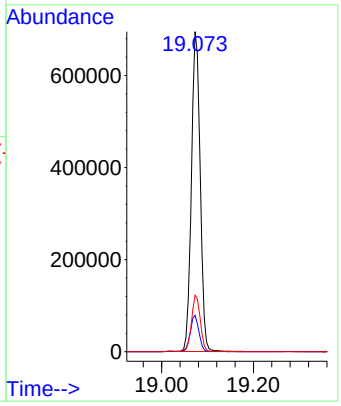
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

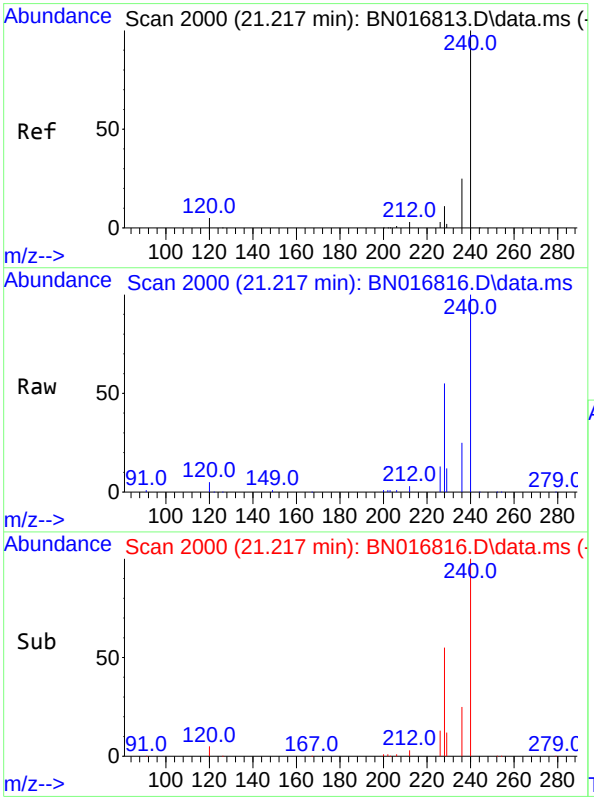


#28
Fluoranthene
Concen: 3.30 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:202 Resp: 921271

Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
203	17.5	13.8	20.8

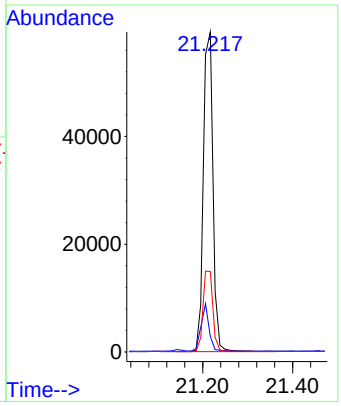




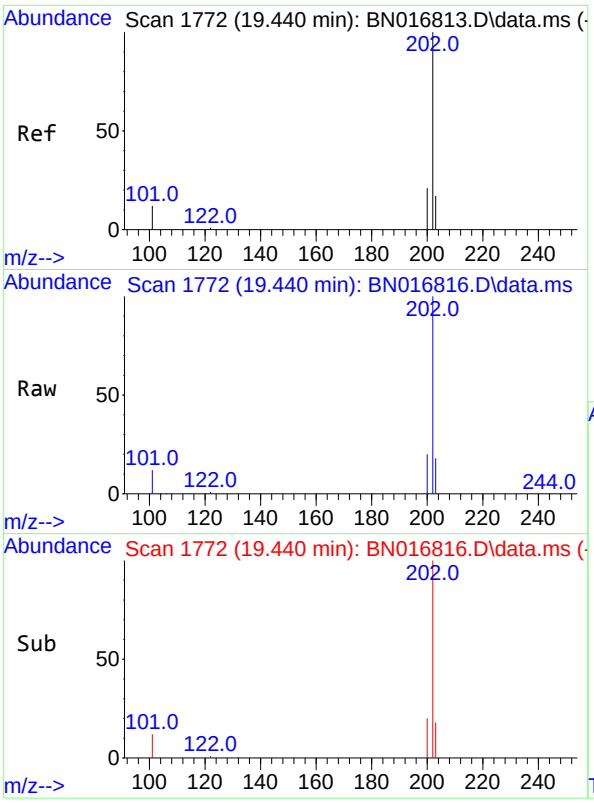
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:240 Resp: 87622

Ion	Ratio	Lower	Upper
240	100		
120	4.9	6.6	10.0#
236	25.1	20.7	31.1



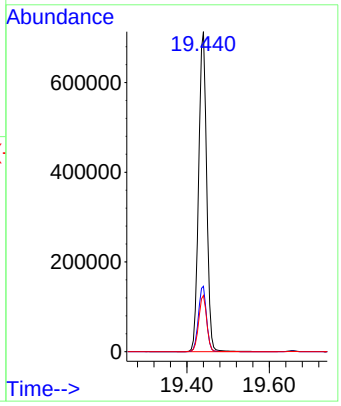
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

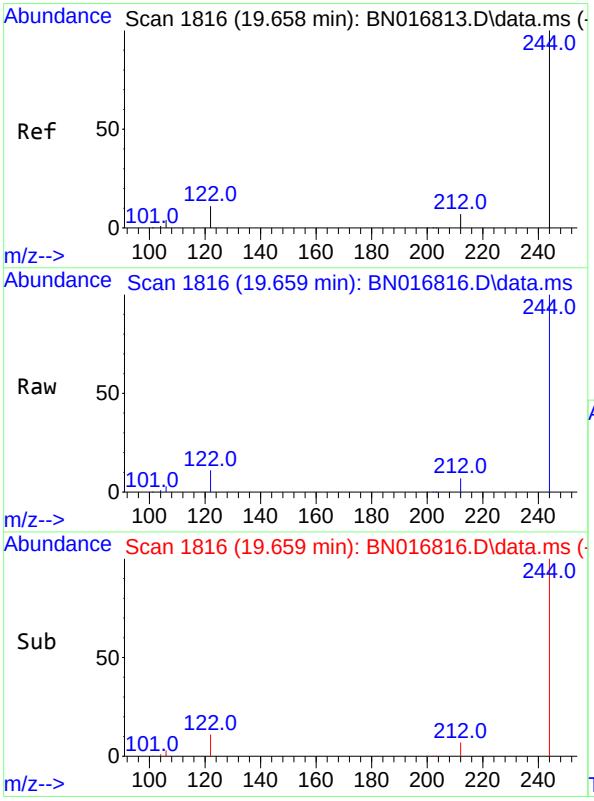


#30
Pyrene
Concen: 3.33 ng
RT: 19.440 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:202 Resp: 960684

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.7	13.9	20.9

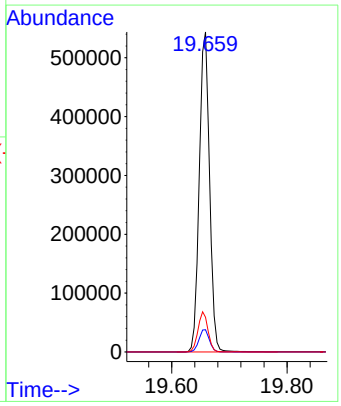




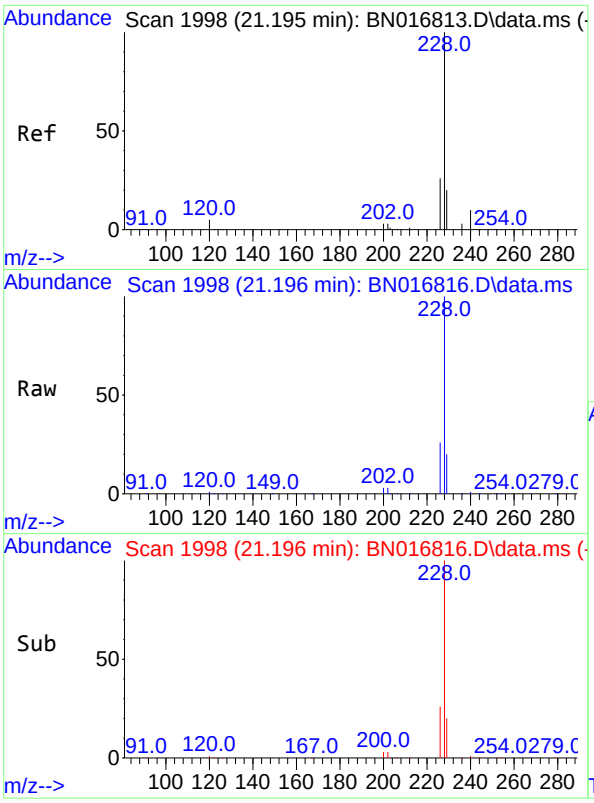
#31
Terphenyl-d14
Concen: 3.42 ng
RT: 19.659 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:244 Resp: 670391

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	10.8	8.9	13.3



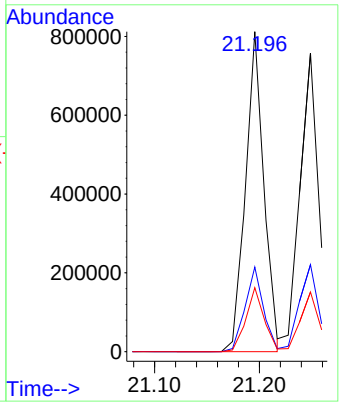
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

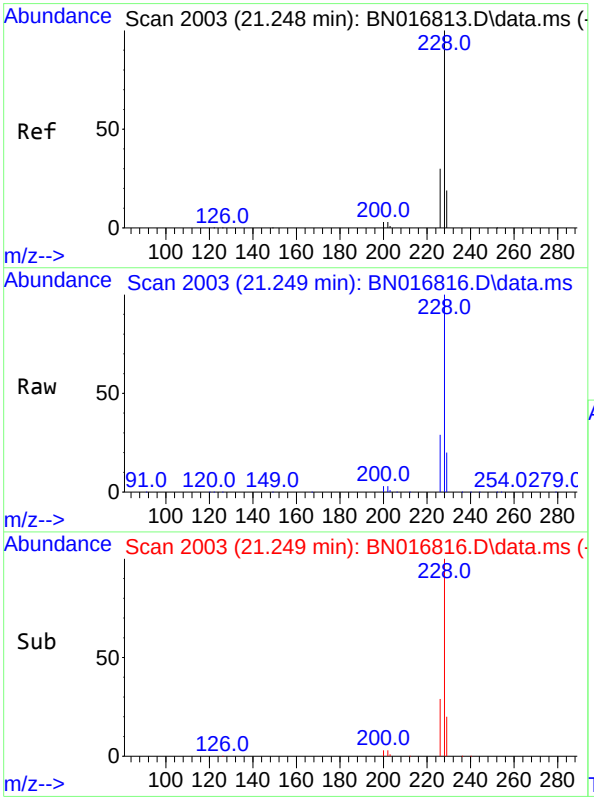


#32
Benzo(a)anthracene
Concen: 3.63 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:228 Resp: 987806

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.3	33.5
229	20.0	15.4	23.0

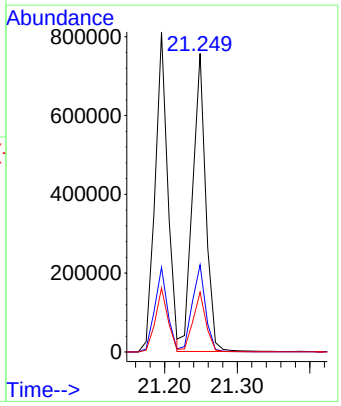




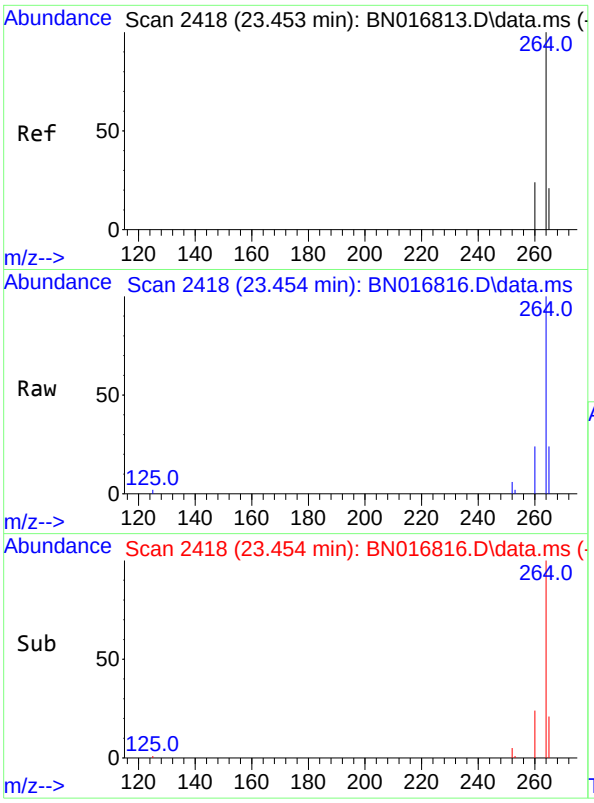
#33
Chrysene
Concen: 3.45 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:228 Resp: 951708

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.2	36.4
229	20.0	15.4	23.0



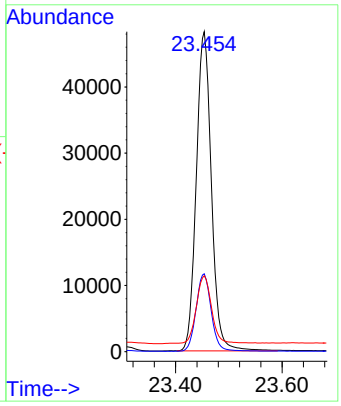
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

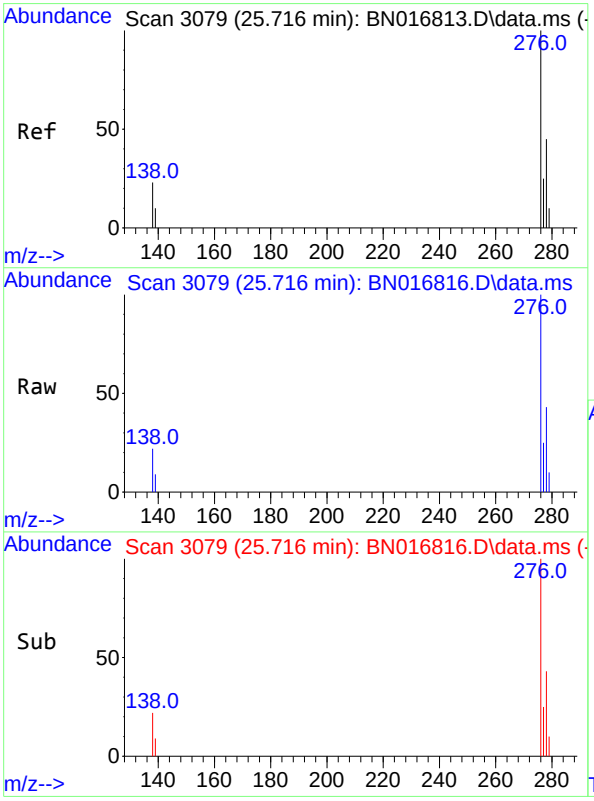


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.454 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:264 Resp: 94771

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	23.8	20.3	30.5

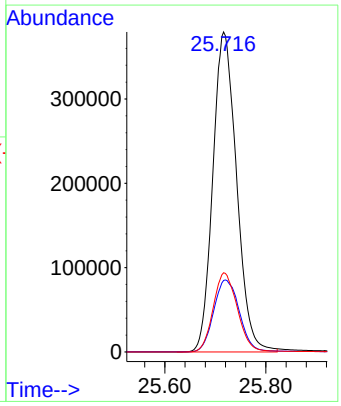




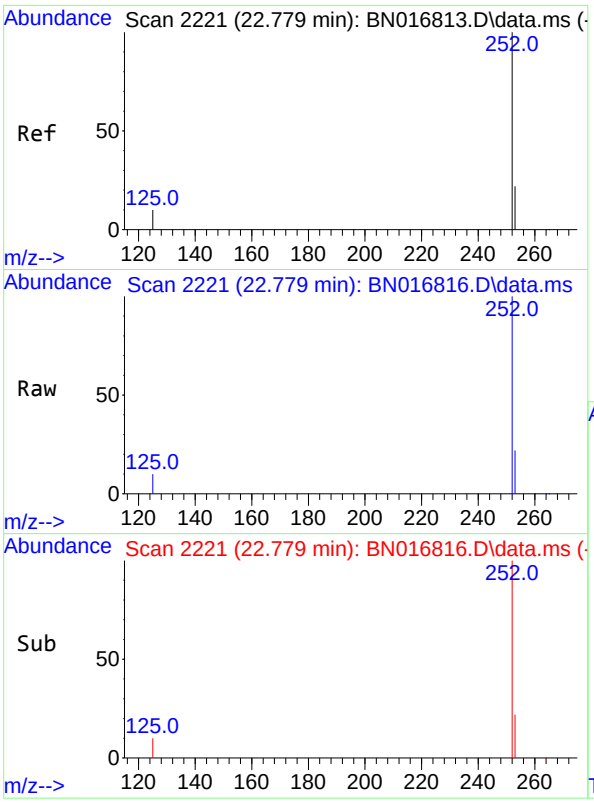
#36
Indeno(1,2,3-cd)pyrene
Concen: 4.11 ng
RT: 25.716 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:276 Resp: 1237642

Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.2	28.8
277	25.2	20.0	30.0



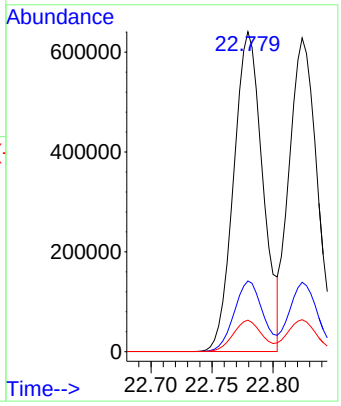
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

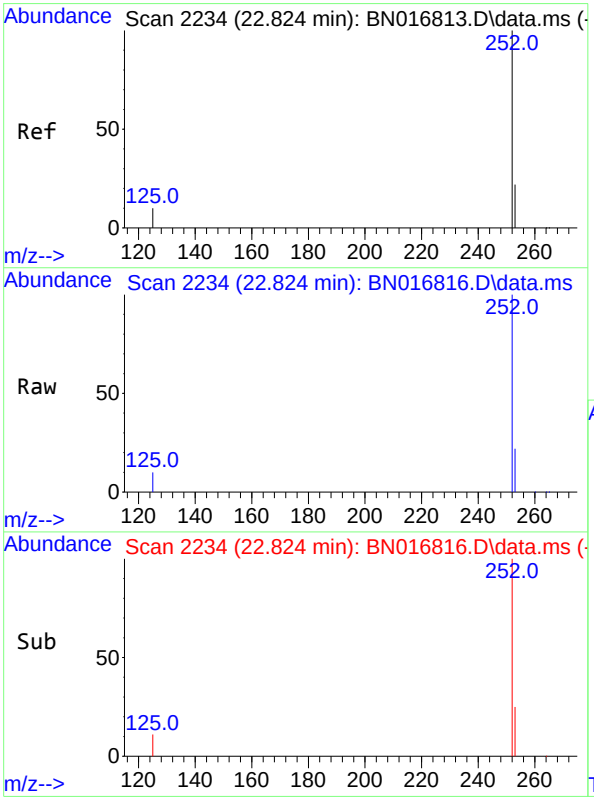


#37
Benzo(b)fluoranthene
Concen: 3.47 ng
RT: 22.779 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:252 Resp: 1062438

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.8	8.3	12.5

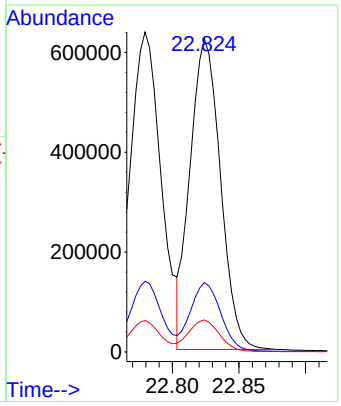




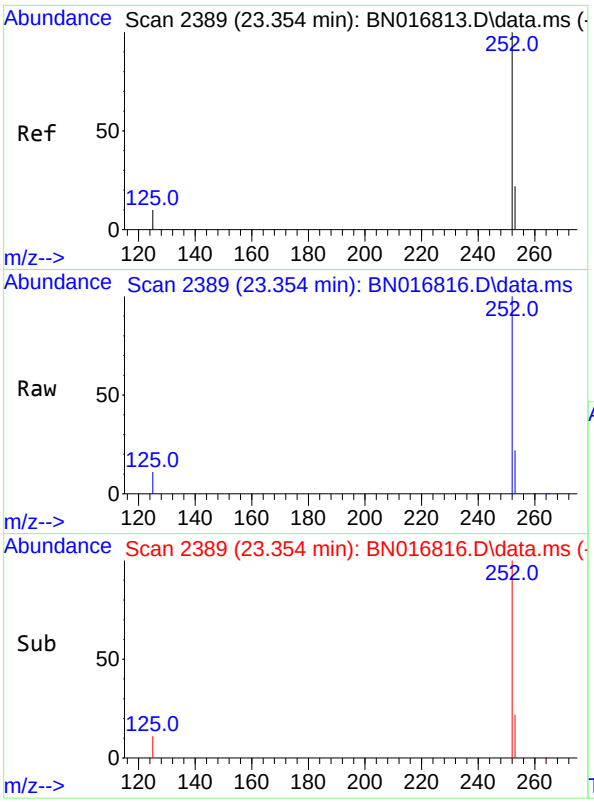
#38
Benzo(k)fluoranthene
Concen: 3.35 ng
RT: 22.824 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:252 Resp: 985305

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.2	8.5	12.7



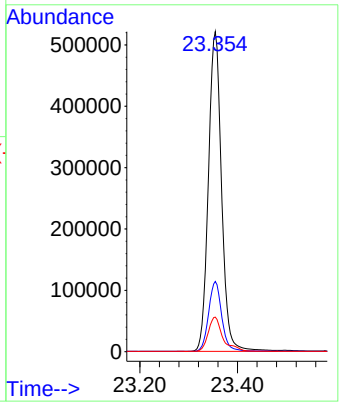
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

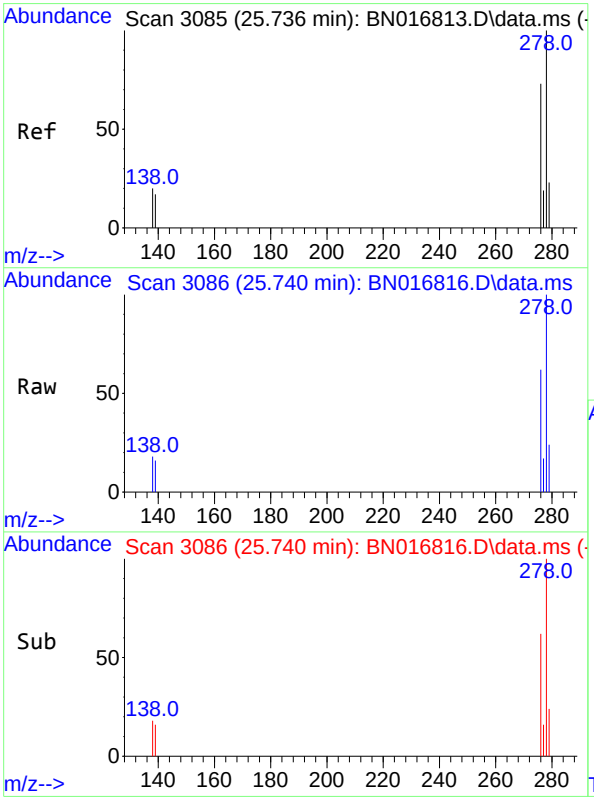


#39
Benzo(a)pyrene
Concen: 3.55 ng
RT: 23.354 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:252 Resp: 974500

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	10.8	9.4	14.2

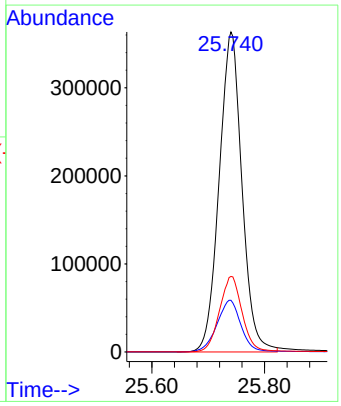


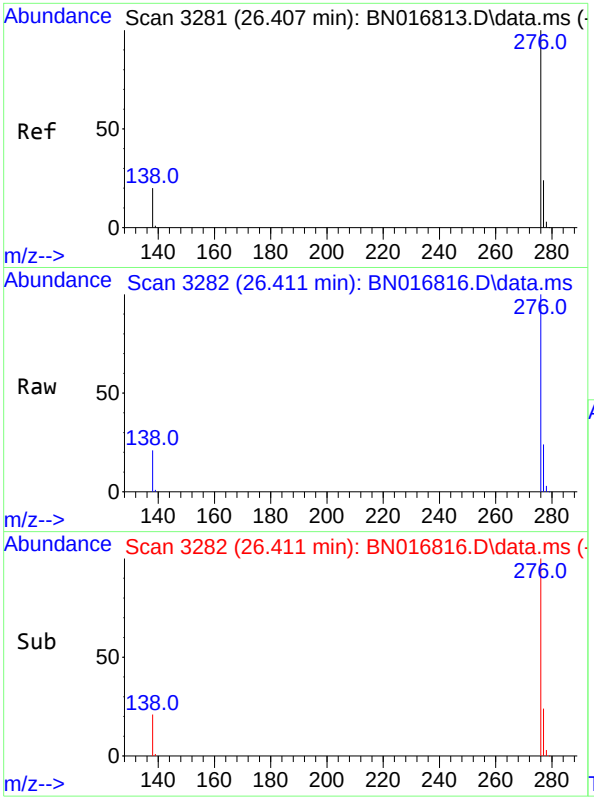


#40
Dibenzo(a,h)anthracene
Concen: 4.26 ng
RT: 25.740 min Scan# 3086
Delta R.T. 0.004 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:278 Resp: 1017350

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.1	19.7
279	23.6	19.3	28.9

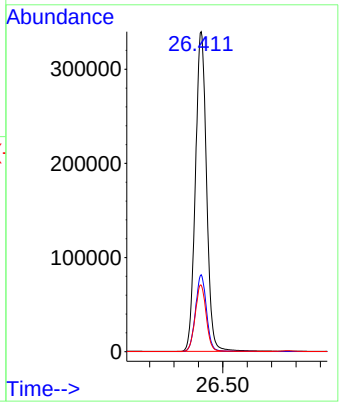




#41
Benzo(g,h,i)perylene
Concen: 4.02 ng
RT: 26.411 min Scan# 3282
Delta R.T. 0.004 min
Lab File: BN016816.D
Acq: 07 Oct 2021 19:28

Tgt Ion:276 Resp: 1074559

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	20.8	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2