Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092821\
Data File : BN016565.D
Acq On : 28 Sep 2021 20:13
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC5.0

Quant Time: Sep 29 01:18:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 28 18:30:42 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	37073	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	145053	0.400	ng	# 0.00
13) Acenaphthene-d10	14.281	164	75234	0.400	ng	0.00
19) Phenanthrene-d10	17.042	188	137044	0.400	ng	# 0.00
29) Chrysene-d12	21.249	240	126300	0.400	ng	# 0.00
35) Perylene-d12	23.509	264	122752	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.264	112	429910	5.698	ng	-0.02
5) Phenol-d6	6.840	99	462888	4.959	ng	0.00
8) Nitrobenzene-d5	8.797	82	480470	5.758	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	1011851	4.954	ng	0.00
14) 2,4,6-Tribromophenol	15.779	330	196909	10.596	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	1433013	4.104	ng	0.00
27) Fluoranthene-d10	19.078	212	1832563	4.784	ng	0.00
31) Terphenyl-d14	19.693	244	1433949	5.616	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.272	88	79801	4.663	ng	# 54
3) n-Nitrosodimethylamine	3.585	42	146516	4.457	ng	# 53
6) bis(2-Chloroethyl)ether	7.098	93	453703	4.604	ng	90
9) Naphthalene	10.470	128	1862840	4.608	ng	100
10) Hexachlorobutadiene	10.762	225	354331	4.170	ng	# 98
12) 2-Methylnaphthalene	12.092	142	1164288	4.906	ng	100
16) Acenaphthylene	14.002	152	1731492	4.999	ng	100
17) Acenaphthene	14.345	154	1099246	4.716	ng	# 89
18) Fluorene	15.335	166	1292249	4.617	ng	99
20) 4,6-Dinitro-2-methylph...	15.423	198	91609	11.651	ng	# 70
21) 4-Bromophenyl-phenylether	16.239	248	433215	5.097	ng	# 72
22) Hexachlorobenzene	16.348	284	460081	4.498	ng	95
23) Atrazine	16.519	200	345692	10.152	ng	98
24) Pentachlorophenol	16.689	266	233777	8.746	ng	99
25) Phenanthrene	17.078	178	1987265	4.459	ng	100
26) Anthracene	17.164	178	1870627	5.076	ng	100
28) Fluoranthene	19.108	202	2140278	4.398	ng	# 97
30) Pyrene	19.475	202	2245880	6.140	ng	99
32) Benzo(a)anthracene	21.227	228	2175247	6.492	ng	99
33) Chrysene	21.281	228	2075012	5.070	ng	99
36) Indeno(1,2,3-cd)pyrene	25.798	276	2288389	5.931	ng	97
37) Benzo(b)fluoranthene	22.827	252	2192773	5.778	ng	99
38) Benzo(k)fluoranthene	22.872	252	2086820	4.713	ng	99
39) Benzo(a)pyrene	23.409	252	2001041	6.627	ng	99
41) Benzo(g,h,i)perylene	26.504	276	1978921	6.254	ng	98

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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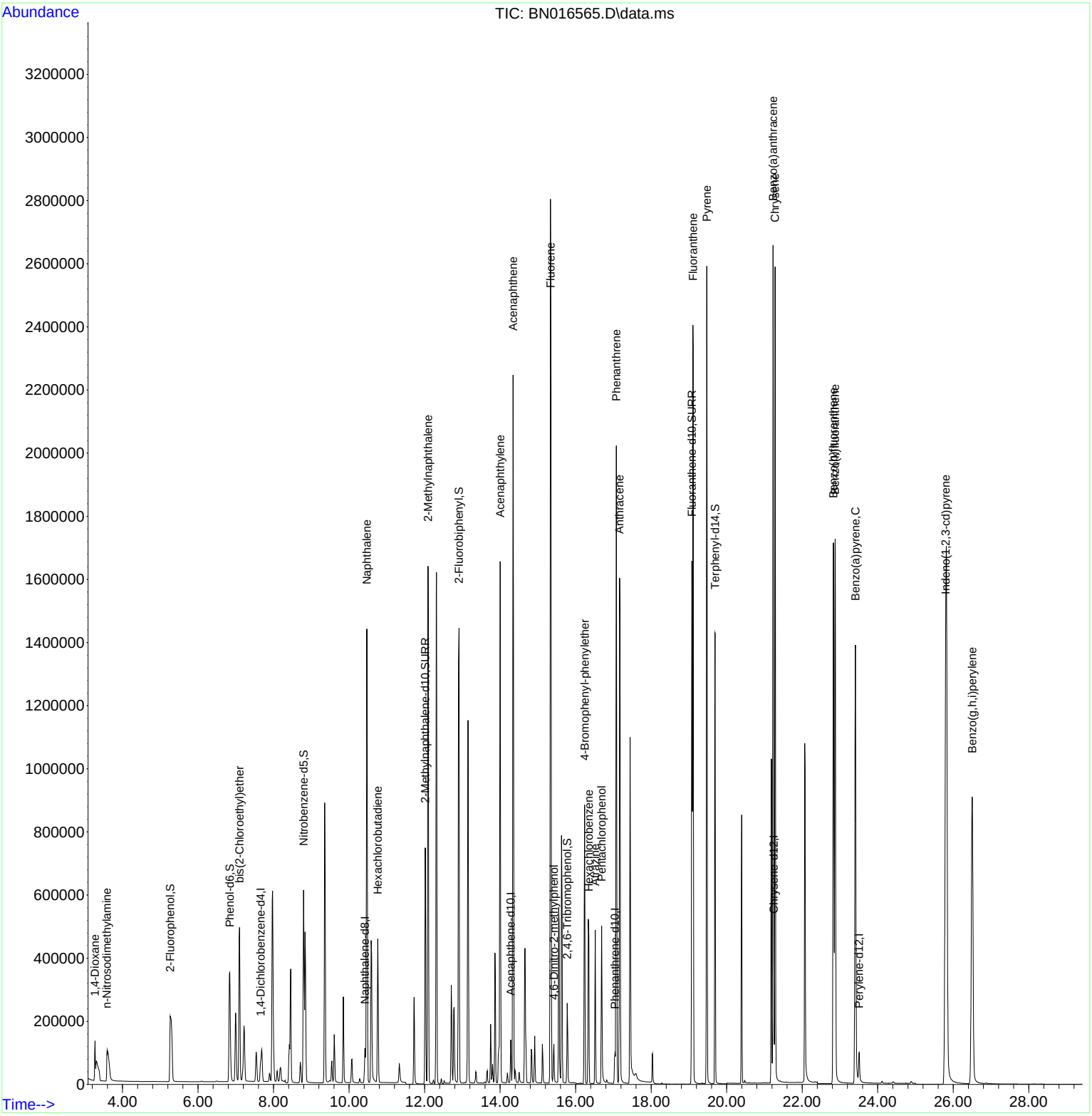

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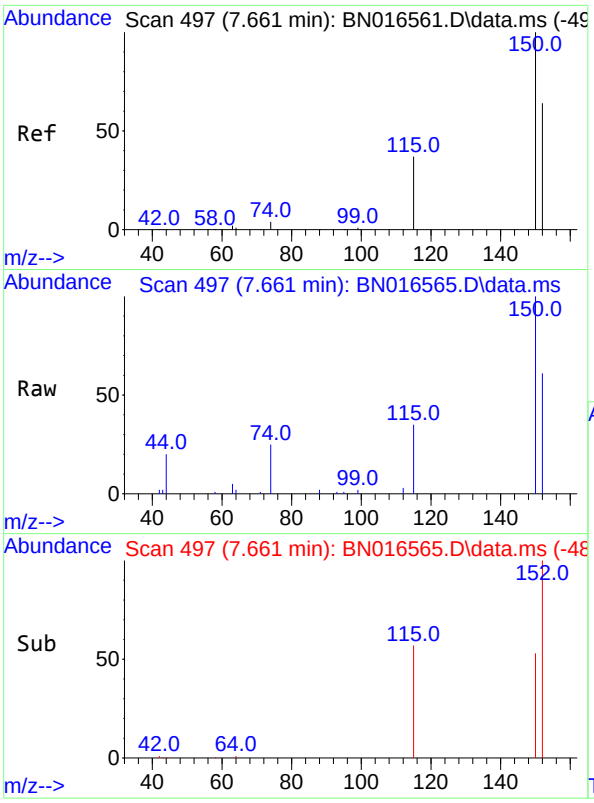
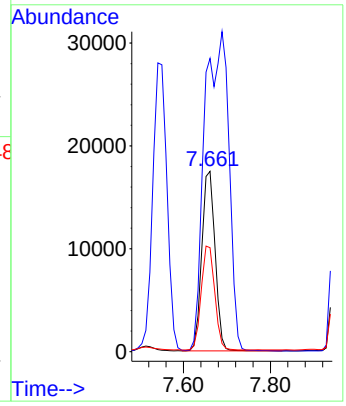
SSTDICC5.0

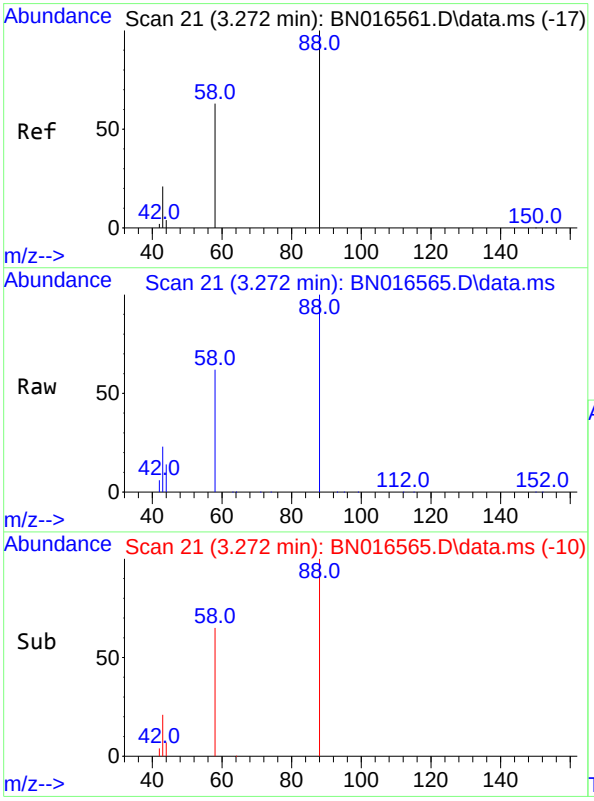


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.661 min Scan# 497
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:152 Resp: 37073

Ion	Ratio	Lower	Upper
152	100		
150	162.6	125.1	187.7
115	57.7	45.8	68.8

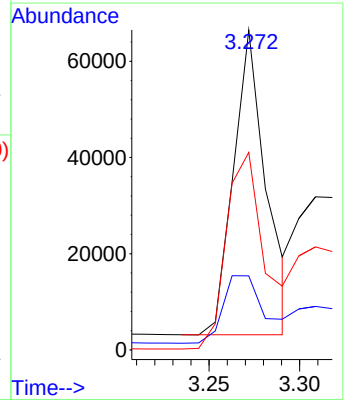




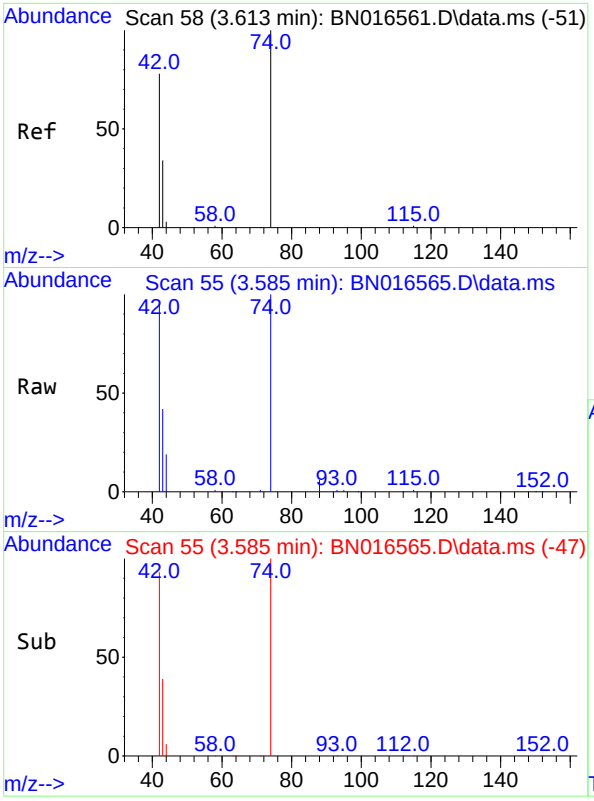
#2
1,4-Dioxane
Concen: 4.663 ng
RT: 3.272 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion: 88 Resp: 79801

Ion	Ratio	Lower	Upper
88	100		
43	28.3	75.8	113.8#
58	75.8	81.6	122.4#



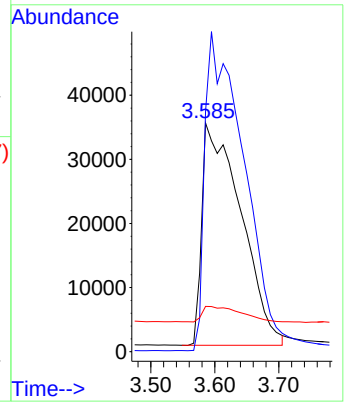
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

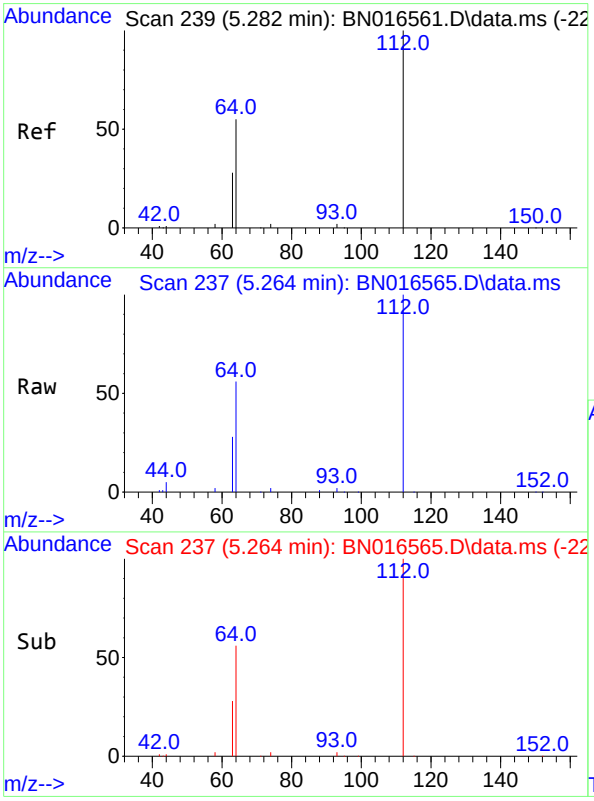


#3
n-Nitrosodimethylamine
Concen: 4.457 ng
RT: 3.585 min Scan# 55
Delta R.T. -0.028 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion: 42 Resp: 146516

Ion	Ratio	Lower	Upper
42	100		
74	143.2	77.5	116.3#
44	6.8	0.0	0.0#

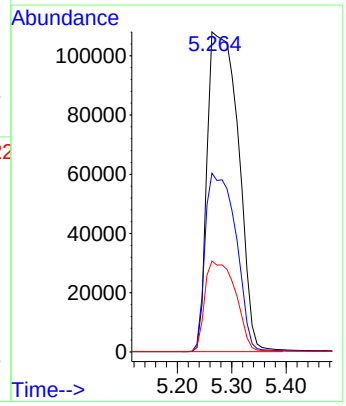




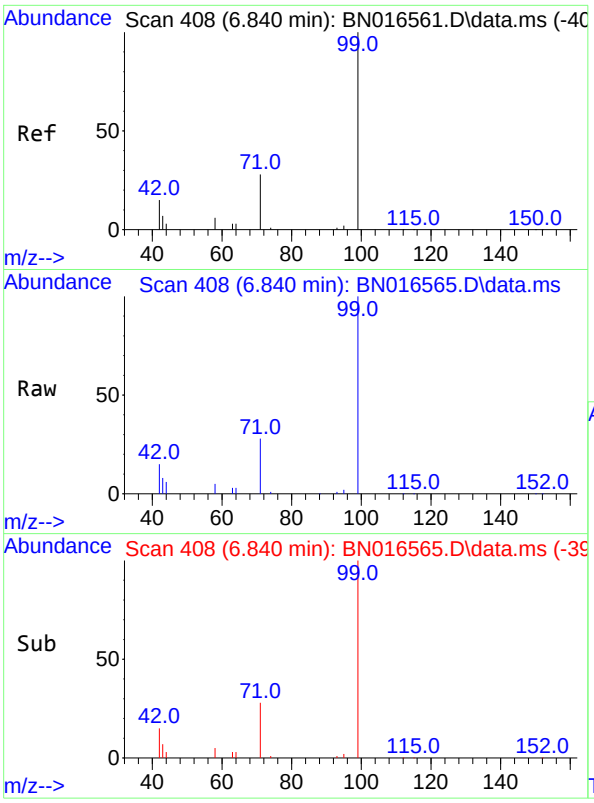
#4
2-Fluorophenol
Concen: 5.698 ng
RT: 5.264 min Scan# 237
Delta R.T. -0.019 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:112 Resp: 429910

Ion	Ratio	Lower	Upper
112	100		
64	54.9	48.4	72.6
63	27.8	25.4	38.2



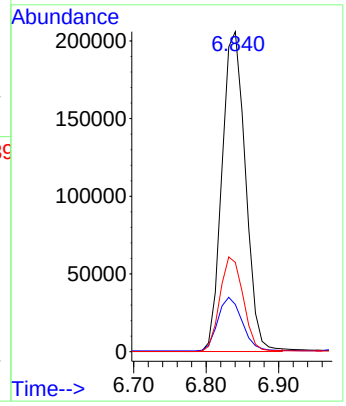
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

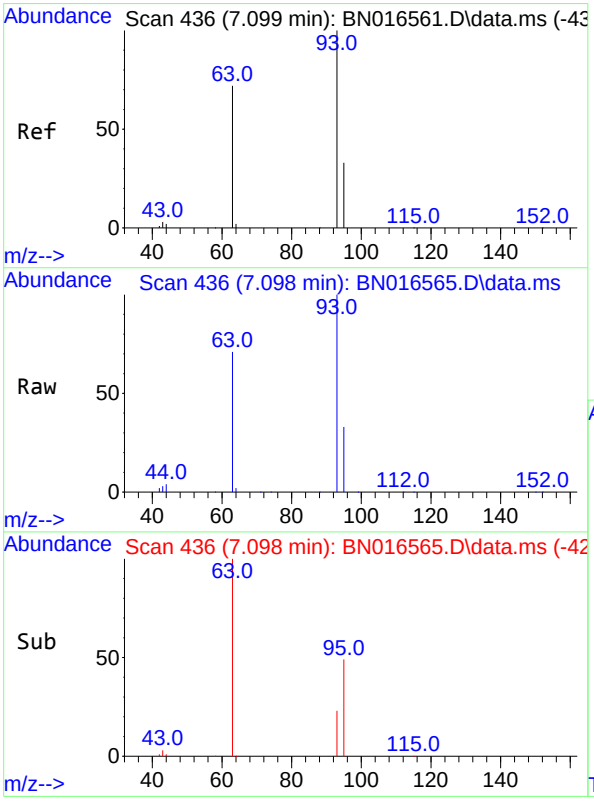


#5
Phenol-d6
Concen: 4.959 ng
RT: 6.840 min Scan# 408
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion: 99 Resp: 462888

Ion	Ratio	Lower	Upper
99	100		
42	17.4	19.6	29.4#
71	29.4	24.2	36.2

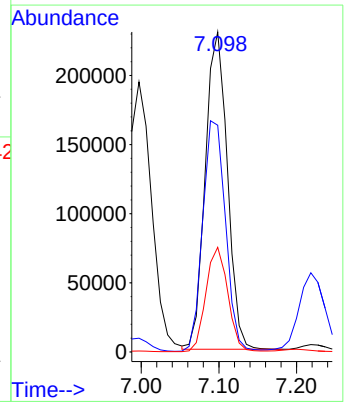




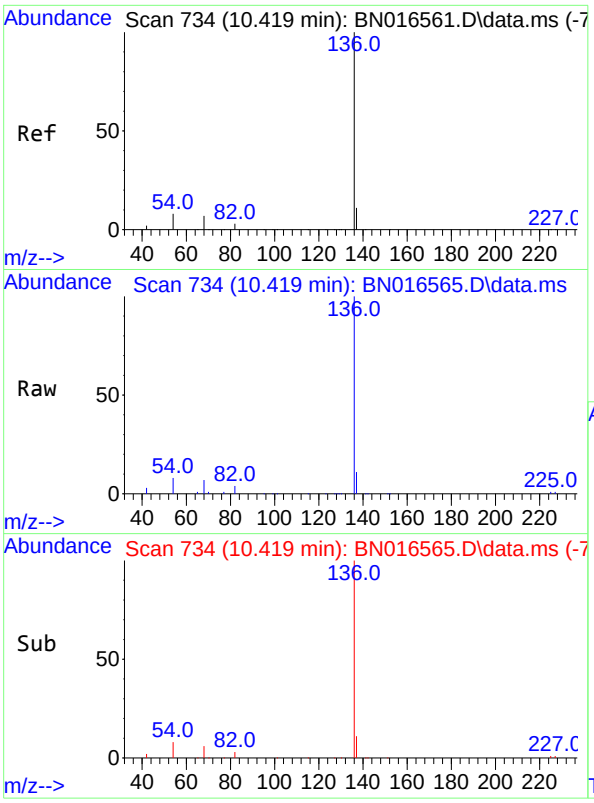
#6
bis(2-Chloroethyl)ether
Concen: 4.604 ng
RT: 7.098 min Scan# 436
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion: 93 Resp: 453703

Ion	Ratio	Lower	Upper
93	100		
63	74.9	70.0	105.0
95	32.6	26.3	39.5



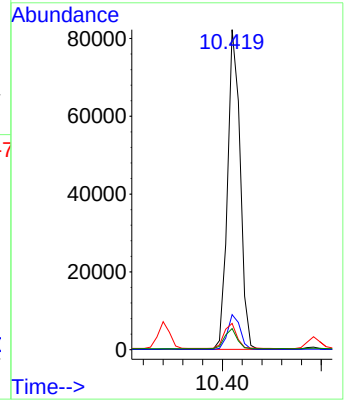
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

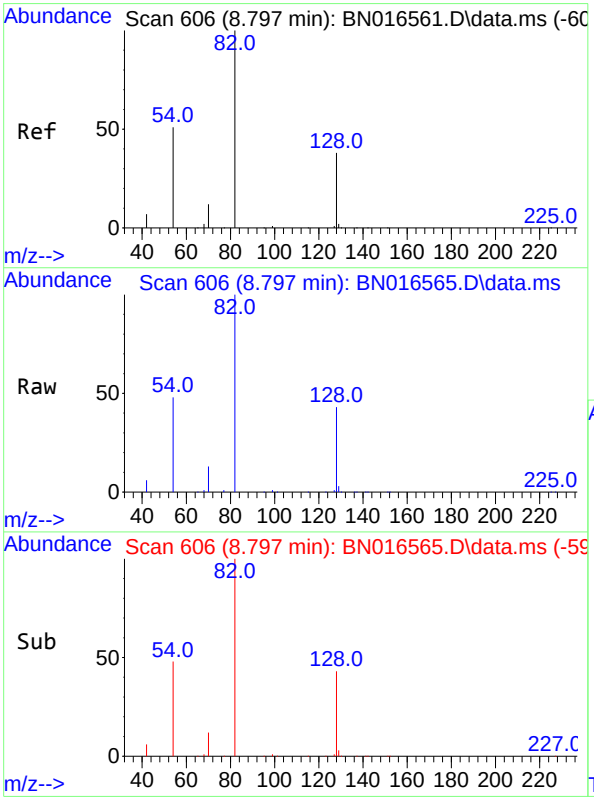


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:136 Resp: 145053

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	5.8	8.6
68	6.6	3.6	5.4#

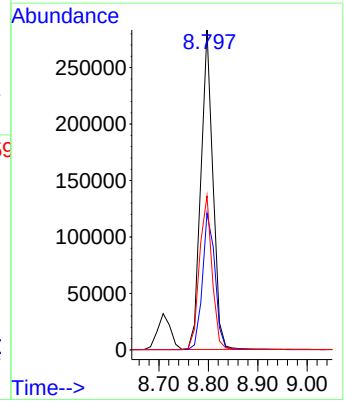




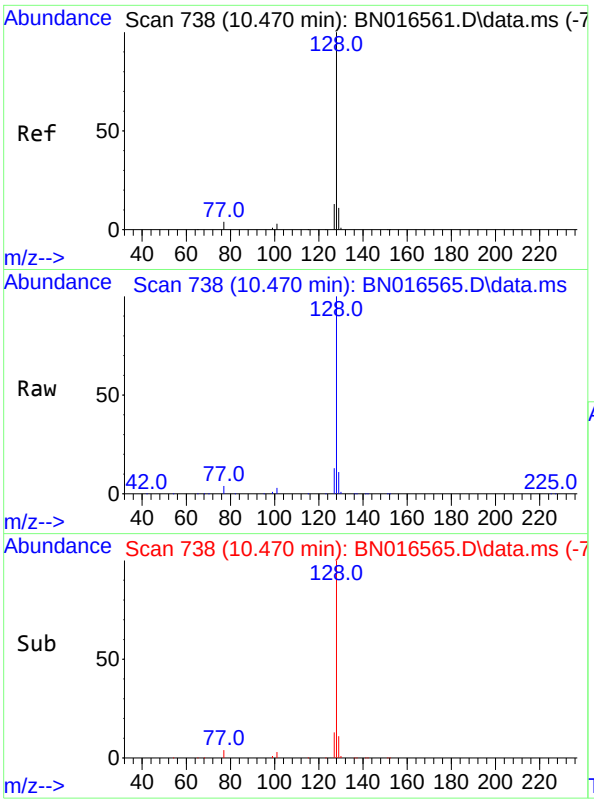
#8
Nitrobenzene-d5
Concen: 5.758 ng
RT: 8.797 min Scan# 606
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion: 82 Resp: 480470

Ion	Ratio	Lower	Upper
82	100		
128	42.8	27.4	41.2#
54	48.1	58.5	87.7#



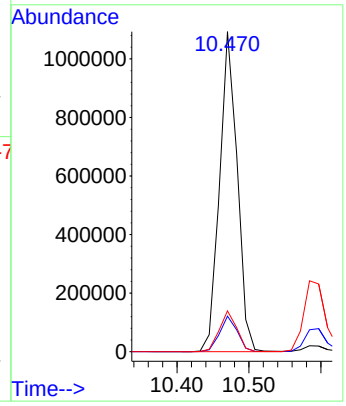
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

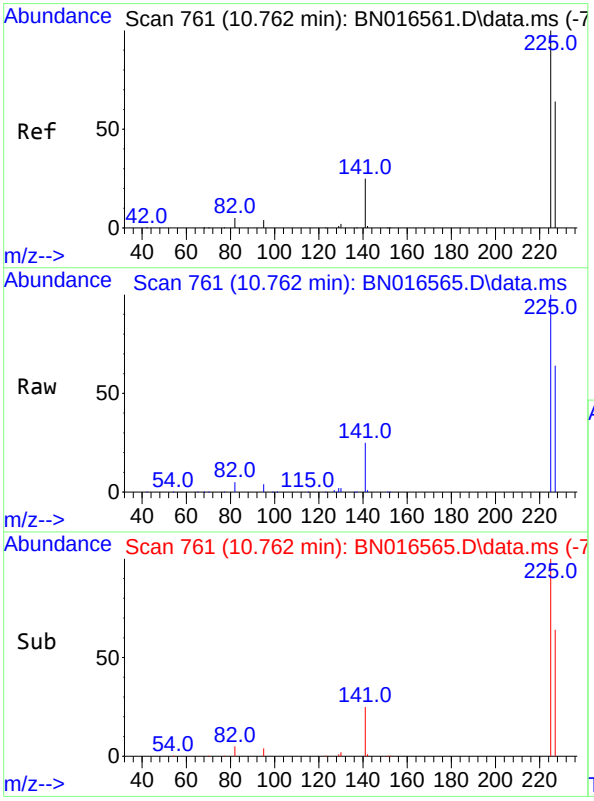


#9
Naphthalene
Concen: 4.608 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:128 Resp: 1862840

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.7	10.1	15.1

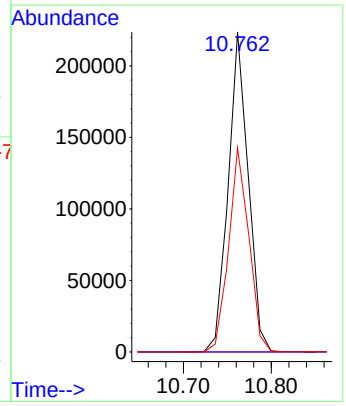


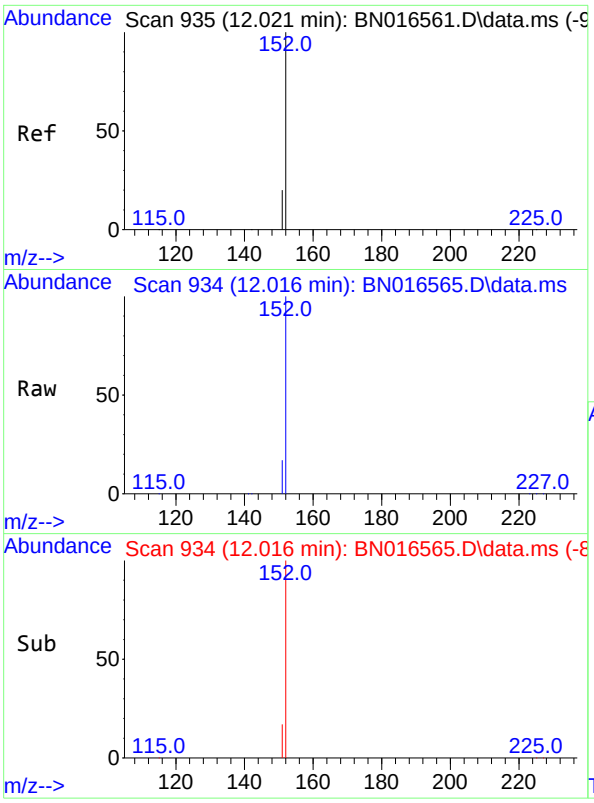


#10
Hexachlorobutadiene
Concen: 4.170 ng
RT: 10.762 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:225 Resp: 354331

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	50.4	75.6

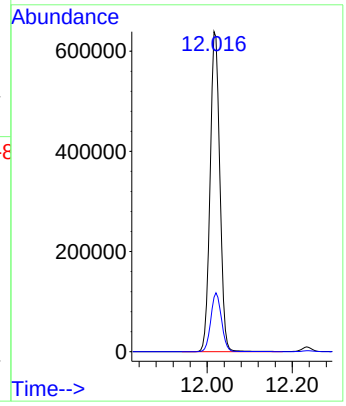




#11
2-Methylnaphthalene-d10
Concen: 4.954 ng
RT: 12.016 min Scan# 934
Delta R.T. -0.005 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:152 Resp: 1011851

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0



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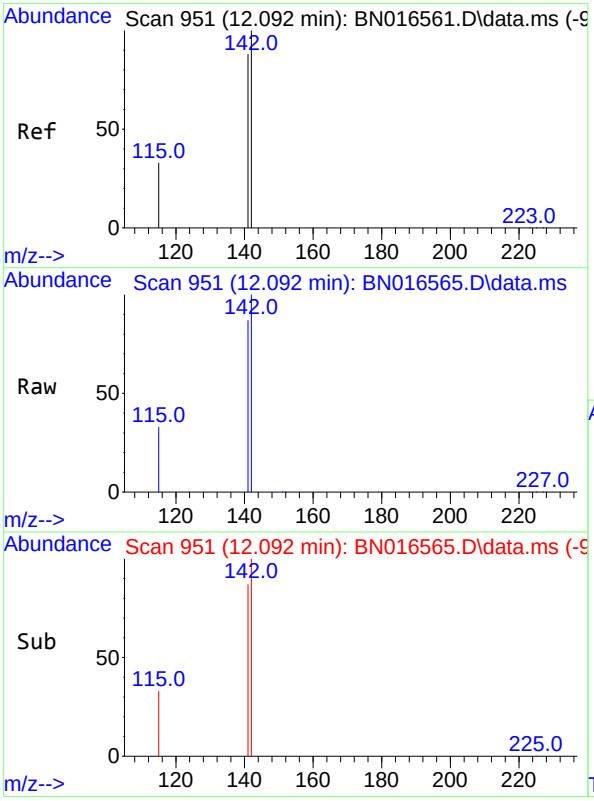
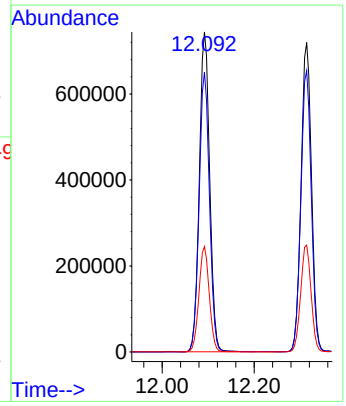


#12
2-Methylnaphthalene
Concen: 4.906 ng
RT: 12.092 min Scan# 951
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:142 Resp: 1164288

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.9	104.9
115	33.0	27.0	40.4



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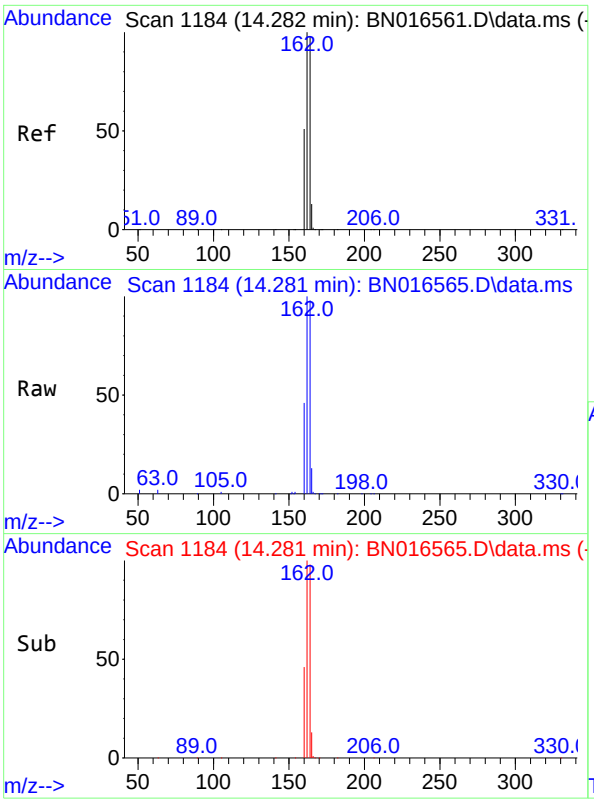
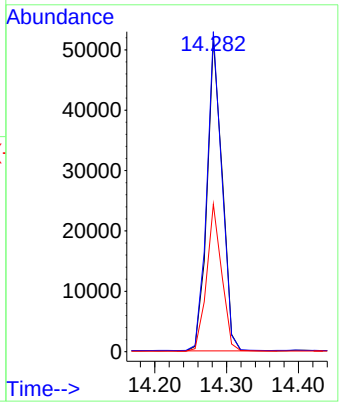
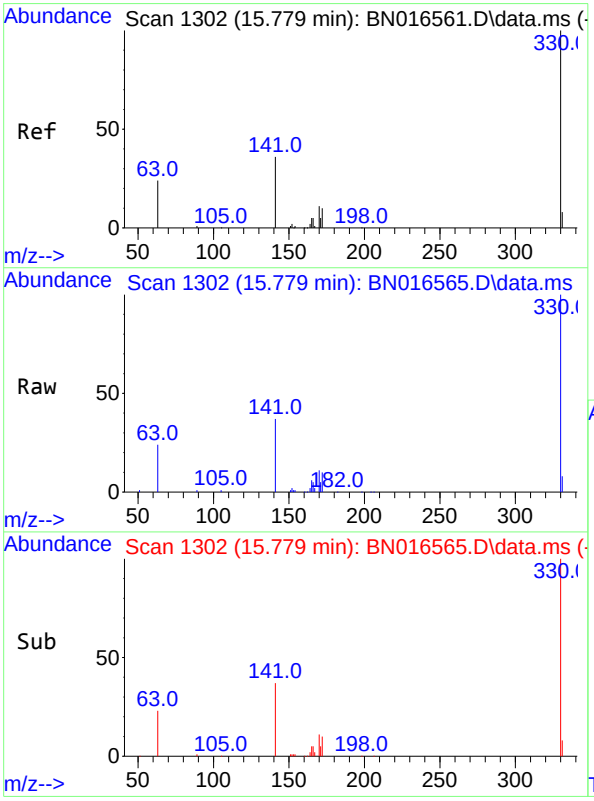


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.281 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:164 Resp: 75234

Ion	Ratio	Lower	Upper
164	100		
162	102.2	79.4	119.0
160	47.1	46.6	70.0

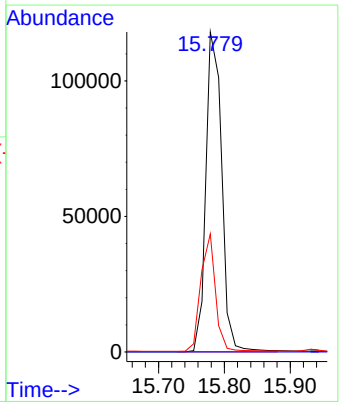




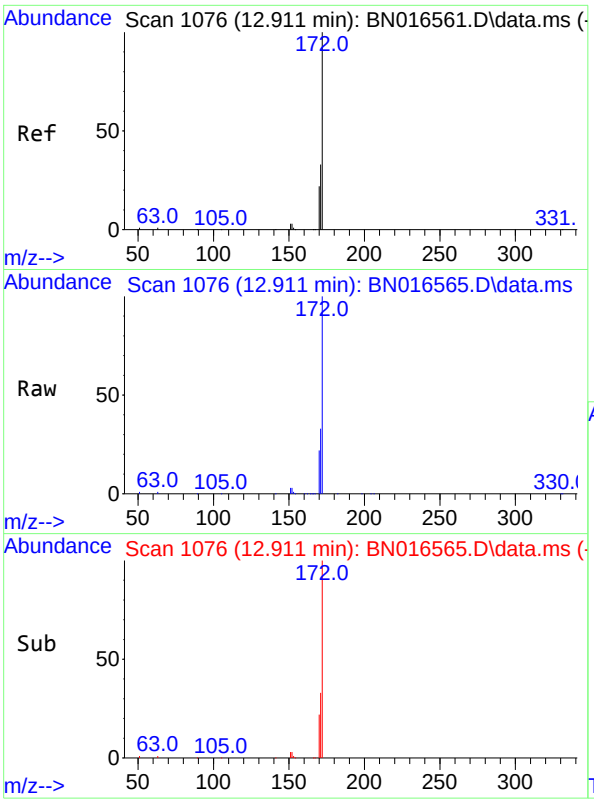
#14
2,4,6-Tribromophenol
Concen: 10.596 ng
RT: 15.779 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:330 Resp: 196909

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.1	34.4	51.6#



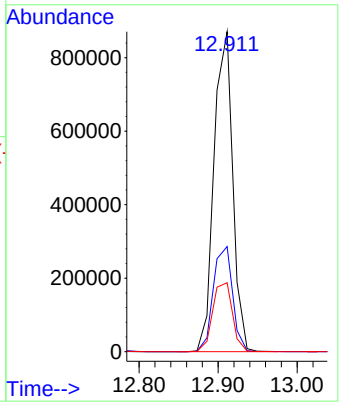
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

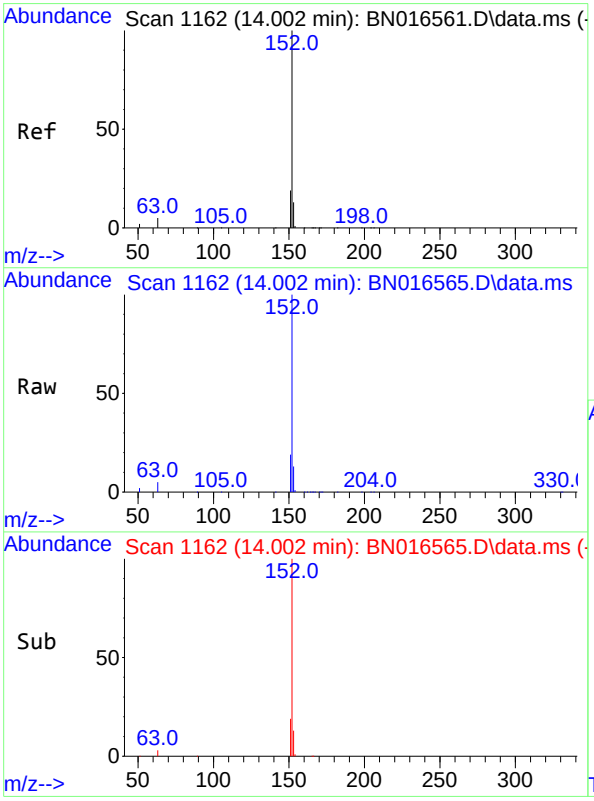


#15
2-Fluorobiphenyl
Concen: 4.104 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:172 Resp: 1433013

Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.4	41.2
170	21.5	18.9	28.3

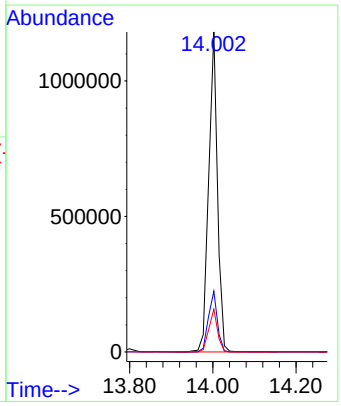




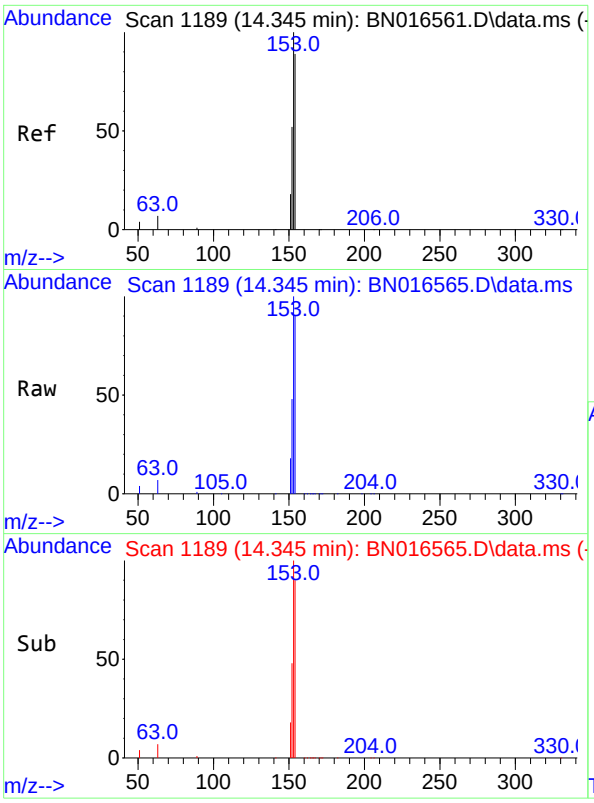
#16
Acenaphthylene
Concen: 4.999 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:152 Resp: 1731492

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0
153	13.2	10.4	15.6



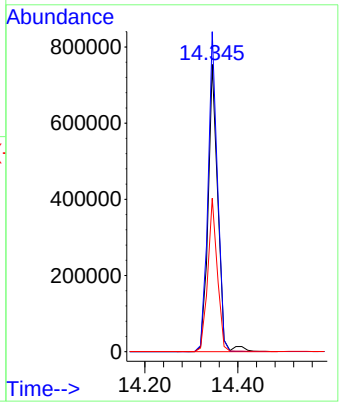
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

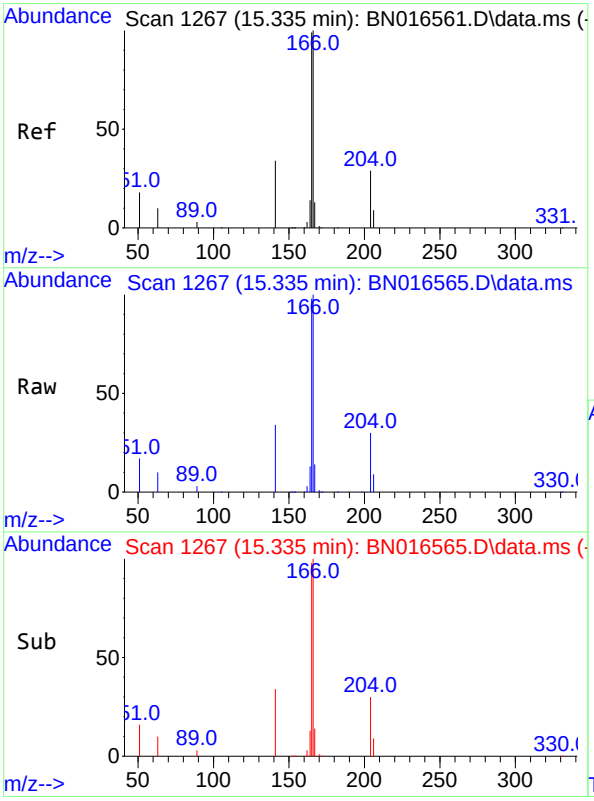


#17
Acenaphthene
Concen: 4.716 ng
RT: 14.345 min Scan# 1189
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:154 Resp: 1099246

Ion	Ratio	Lower	Upper
154	100		
153	108.7	91.0	136.4
152	52.4	55.8	83.6#

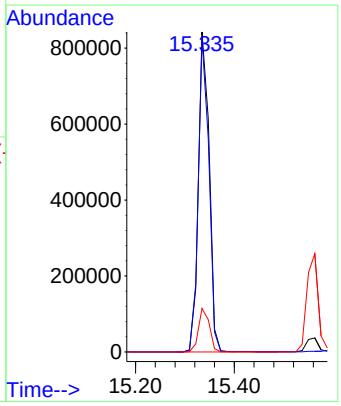




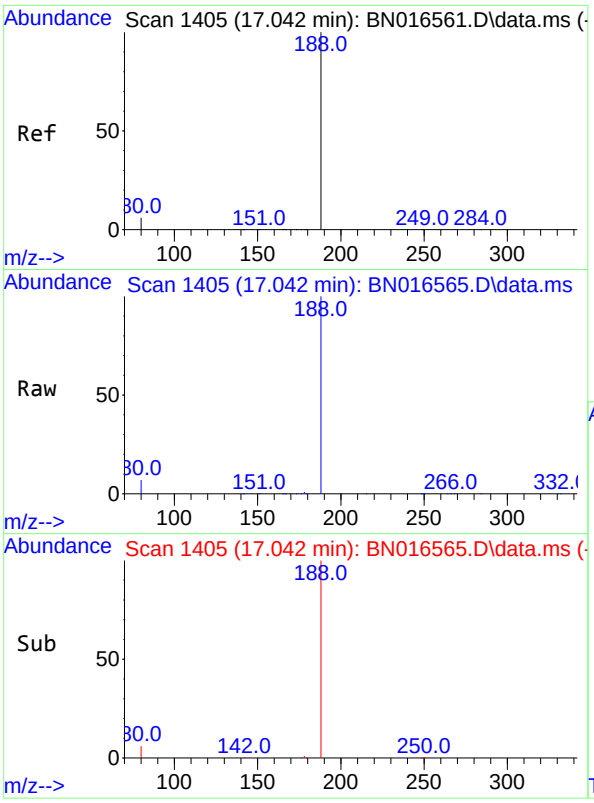
#18
Fluorene
Concen: 4.617 ng
RT: 15.335 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:166 Resp: 1292249

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.6	116.4
167	13.6	10.7	16.1



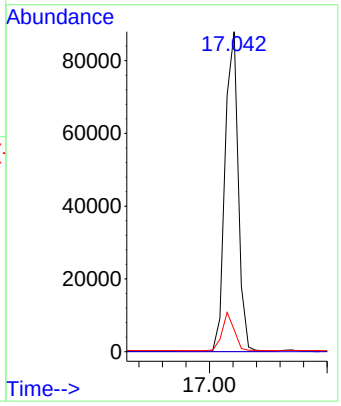
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

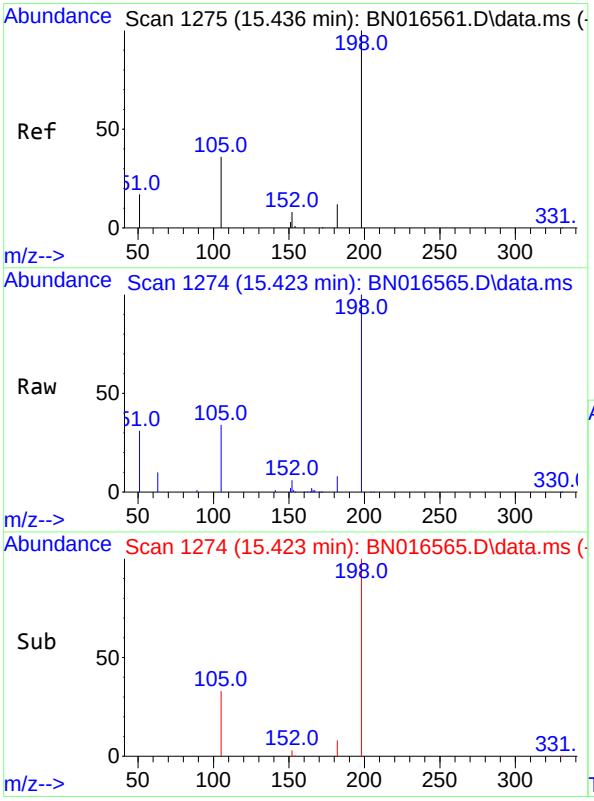


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:188 Resp: 137044

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	6.9	10.3#

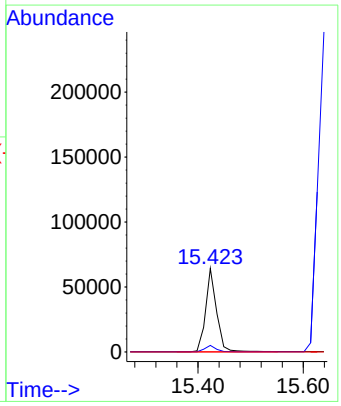




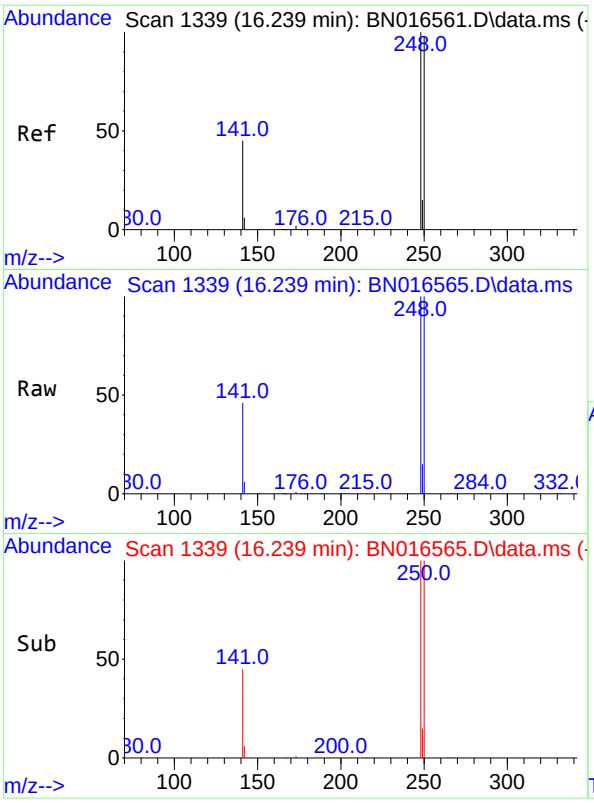
#20
4,6-Dinitro-2-methylphenol
Concen: 11.651 ng
RT: 15.423 min Scan# 1274
Delta R.T. -0.013 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:198 Resp: 91609

Ion	Ratio	Lower	Upper
198	100		
182	7.8	17.5	26.3#
77	0.0	0.0	0.0



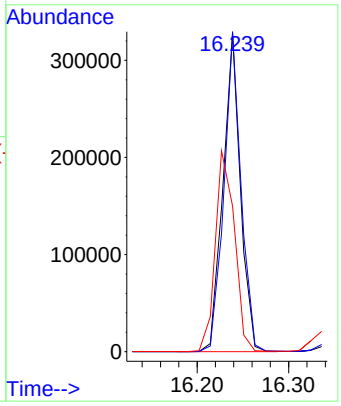
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

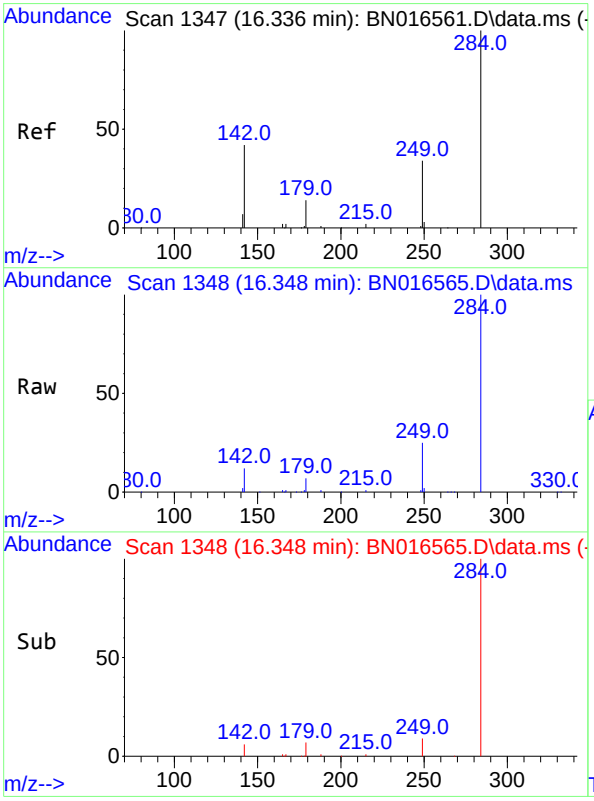


#21
4-Bromophenyl-phenylether
Concen: 5.097 ng
RT: 16.239 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:248 Resp: 433215

Ion	Ratio	Lower	Upper
248	100		
250	100.4	71.8	107.6
141	45.7	69.7	104.5#

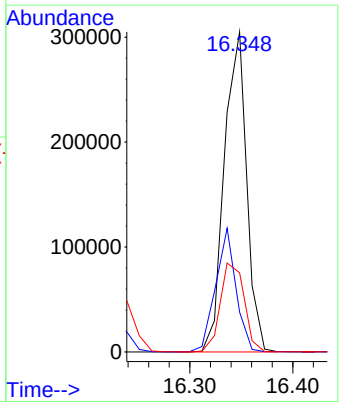




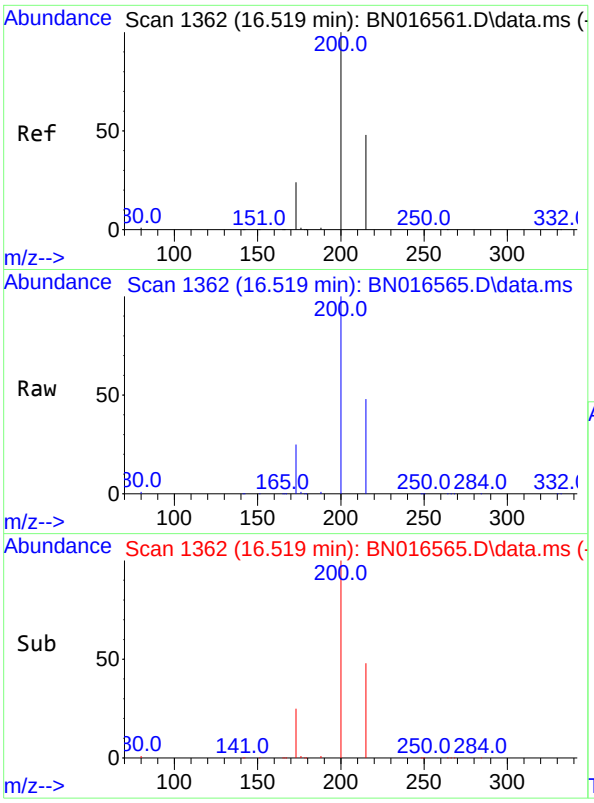
#22
Hexachlorobenzene
Concen: 4.498 ng
RT: 16.348 min Scan# 1348
Delta R.T. 0.012 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:284 Resp: 460081

Ion	Ratio	Lower	Upper
284	100		
142	34.9	30.7	46.1
249	29.7	25.8	38.8



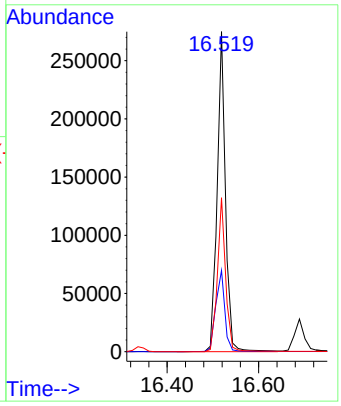
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

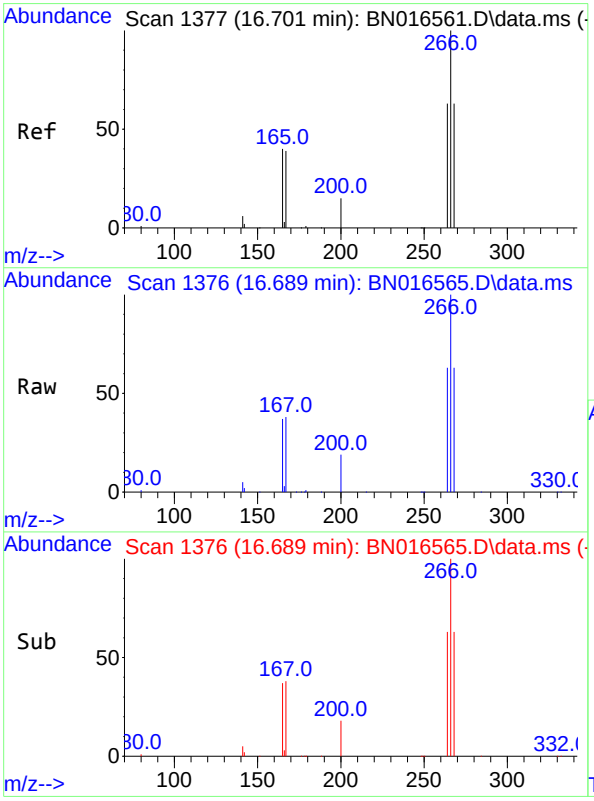


#23
Atrazine
Concen: 10.152 ng
RT: 16.519 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:200 Resp: 345692

Ion	Ratio	Lower	Upper
200	100		
173	25.4	22.6	34.0
215	48.1	38.2	57.4

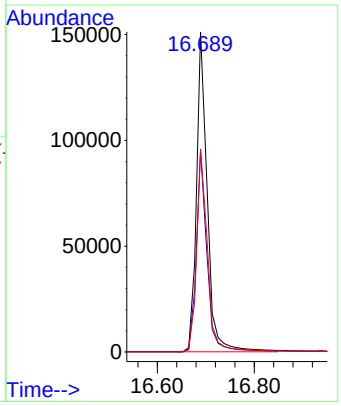




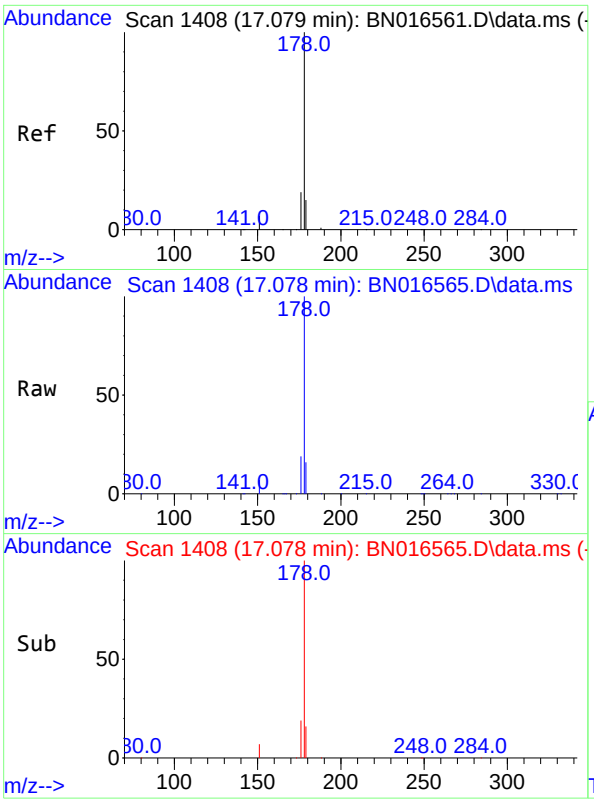
#24
Pentachlorophenol
Concen: 8.746 ng
RT: 16.689 min Scan# 1376
Delta R.T. -0.012 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:266 Resp: 233777

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.2	75.2
268	64.1	51.8	77.8



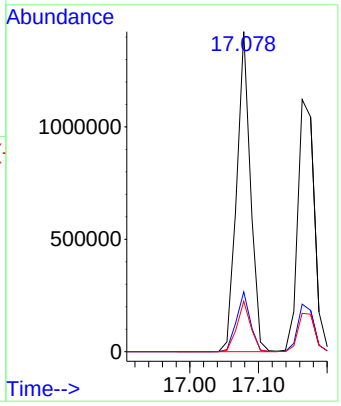
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

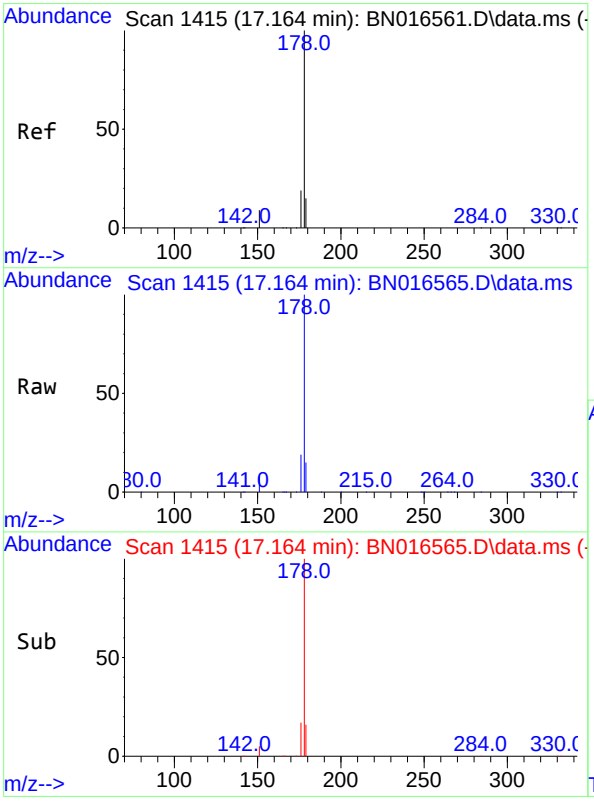


#25
Phenanthrene
Concen: 4.459 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:178 Resp: 1987265

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.6	12.3	18.5

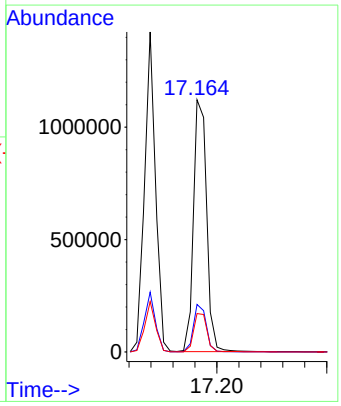




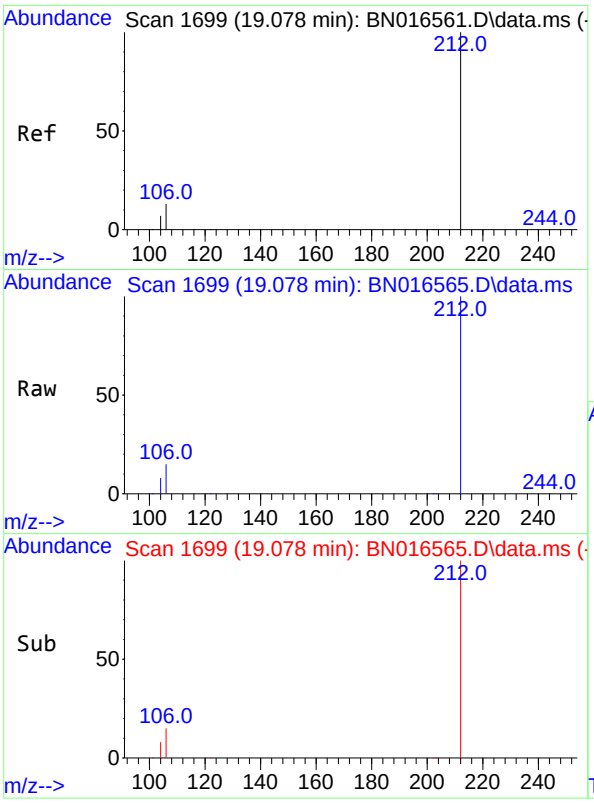
#26
Anthracene
Concen: 5.076 ng
RT: 17.164 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:178 Resp: 1870627

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.6	12.2	18.4



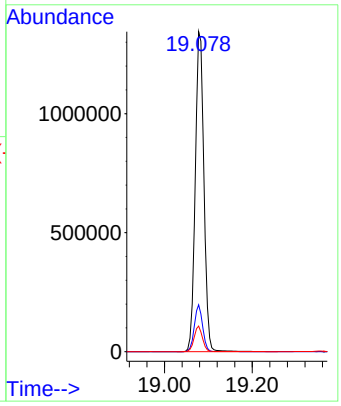
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

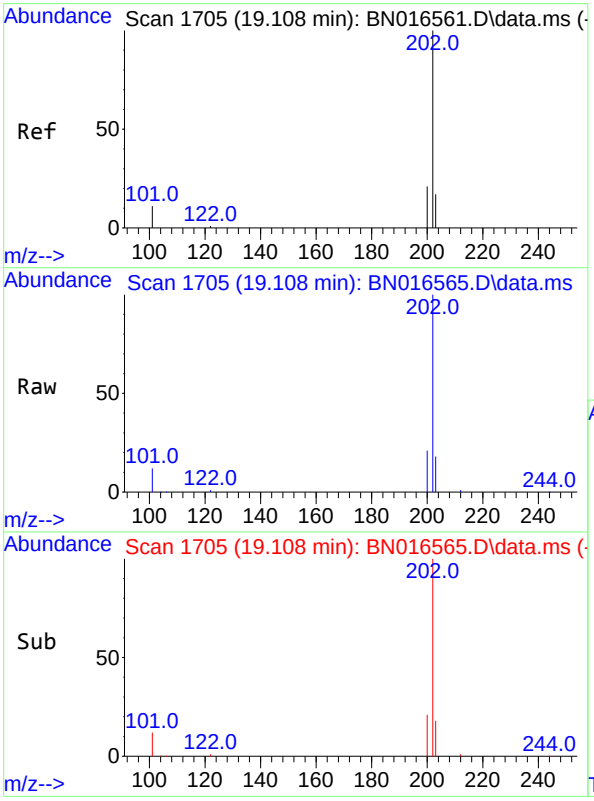


#27
Fluoranthene-d10
Concen: 4.784 ng
RT: 19.078 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:212 Resp: 1832563

Ion	Ratio	Lower	Upper
212	100		
106	14.1	8.8	13.2#
104	7.7	5.0	7.4#

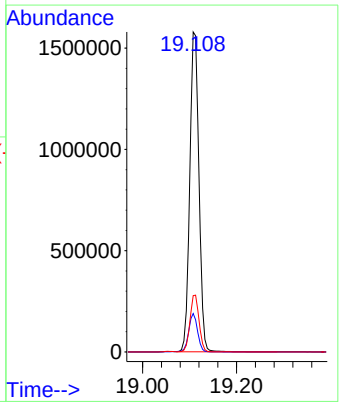




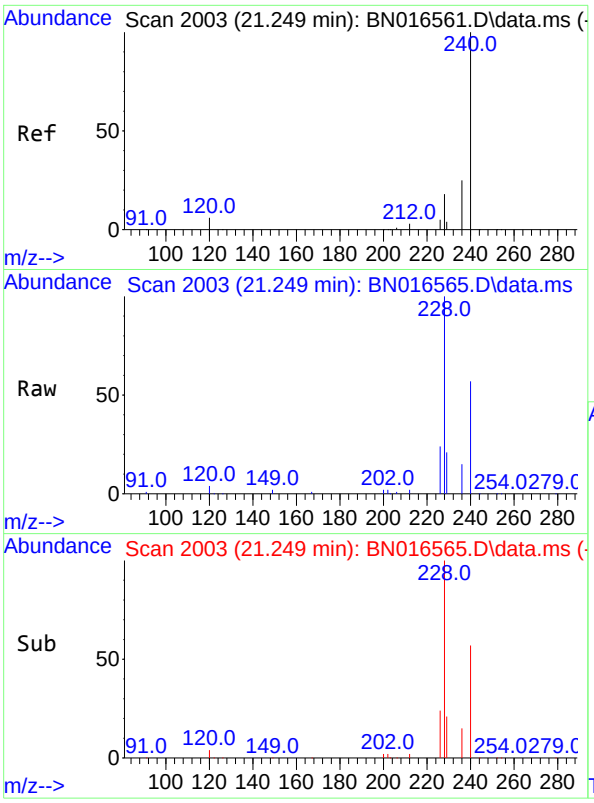
#28
Fluoranthene
Concen: 4.398 ng
RT: 19.108 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:202 Resp: 2140278

Ion	Ratio	Lower	Upper
202	100		
101	11.7	7.5	11.3#
203	17.7	13.9	20.9



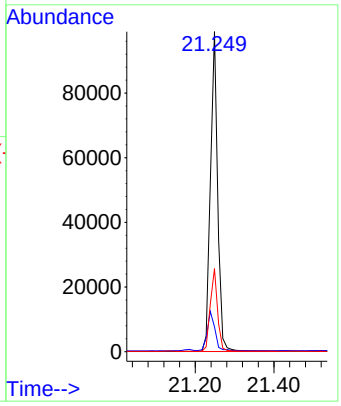
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

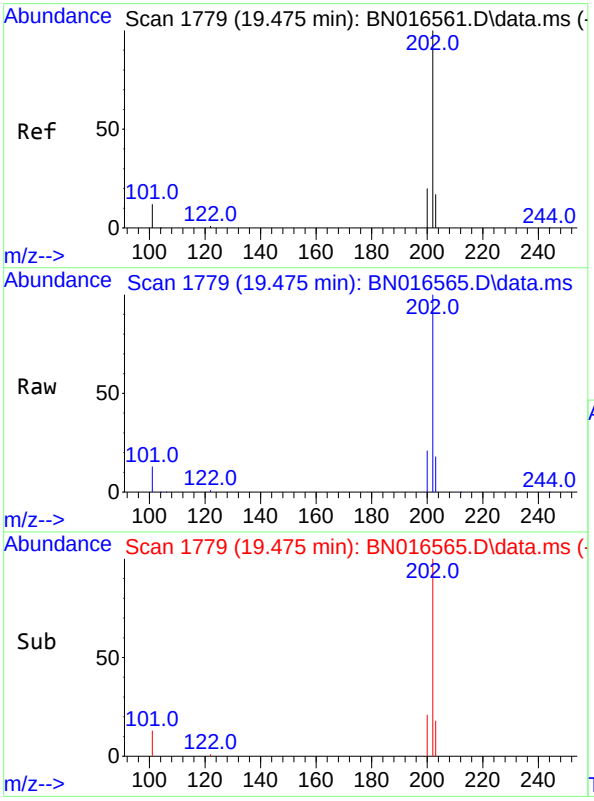


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:240 Resp: 126300

Ion	Ratio	Lower	Upper
240	100		
120	7.7	9.0	13.4#
236	25.9	21.7	32.5

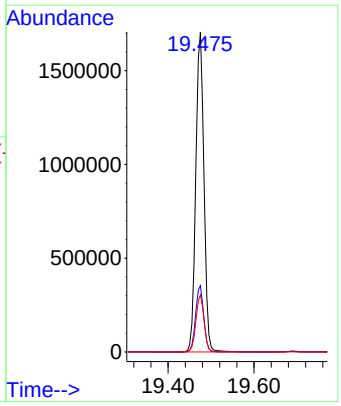




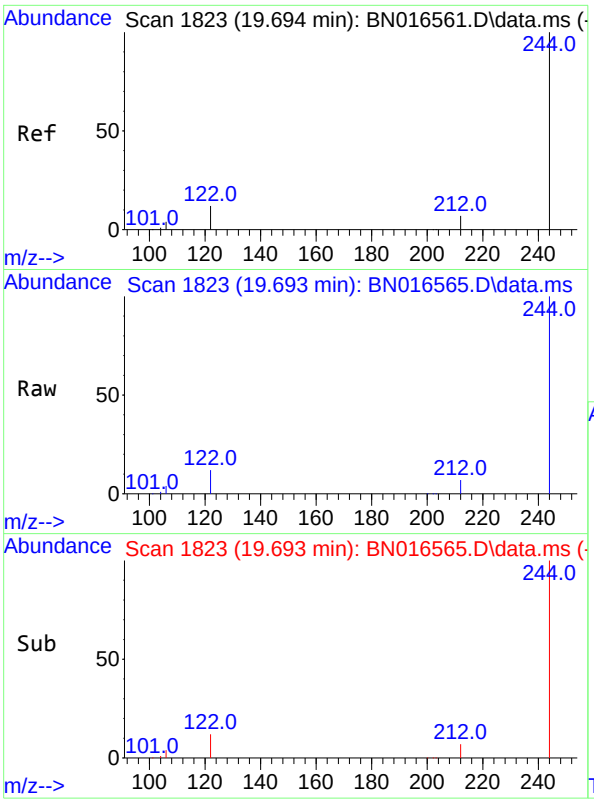
#30
Pyrene
Concen: 6.140 ng
RT: 19.475 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:202 Resp: 2245880

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	17.8	13.9	20.9



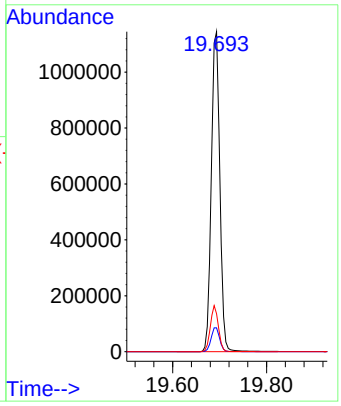
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

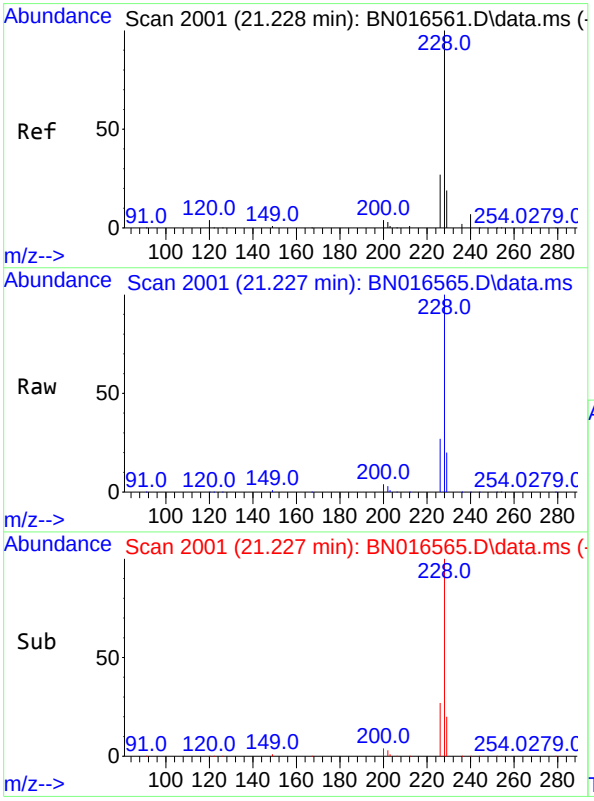


#31
Terphenyl-d14
Concen: 5.616 ng
RT: 19.693 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:244 Resp: 1433949

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	11.9	8.4	12.6

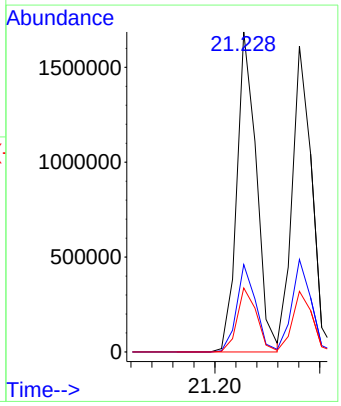




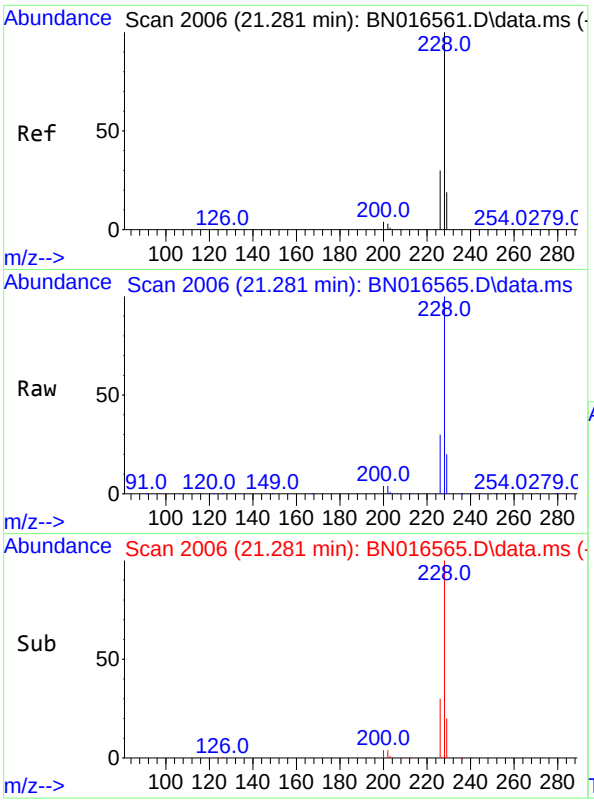
#32
Benzo(a)anthracene
Concen: 6.492 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:228 Resp: 2175247

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.2	31.8
229	20.0	15.6	23.4



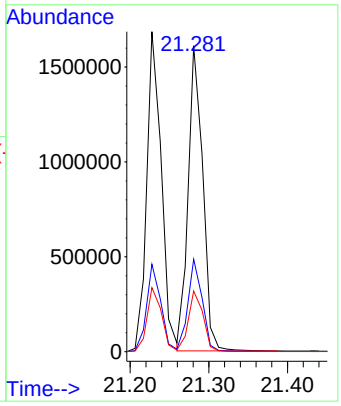
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

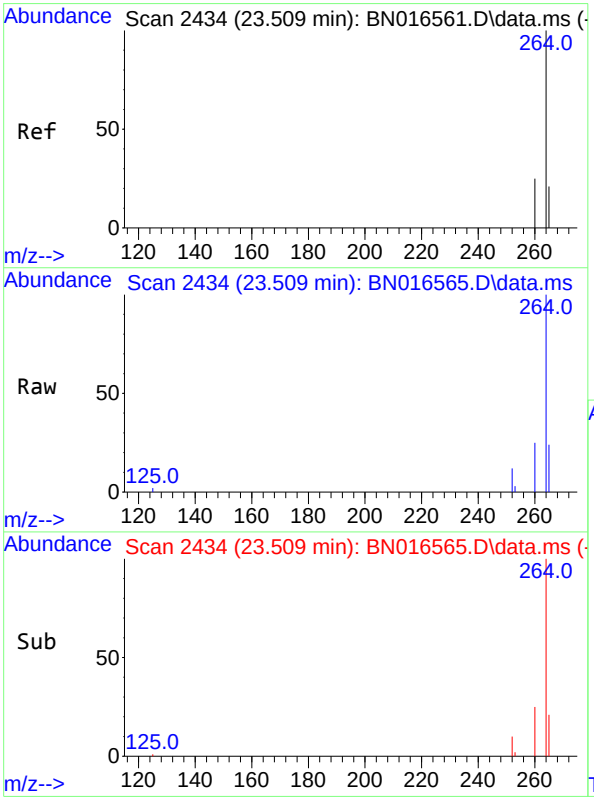


#33
Chrysene
Concen: 5.070 ng
RT: 21.281 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:228 Resp: 2075012

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.1	34.7
229	19.8	15.8	23.8

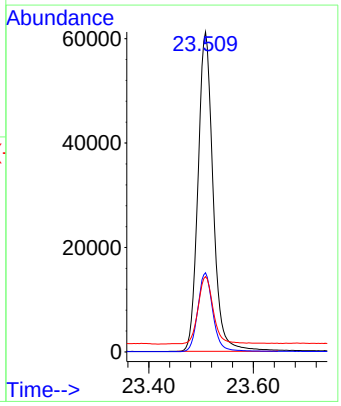




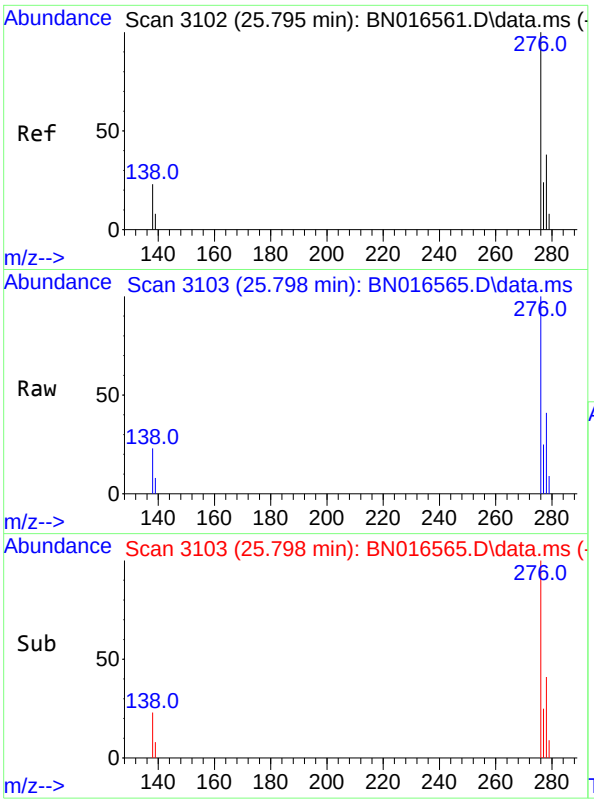
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.509 min Scan# 2434
Delta R.T. -0.000 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:264 Resp: 122752

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.9	29.9
265	23.5	20.7	31.1



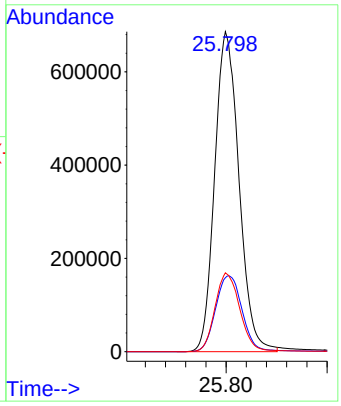
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

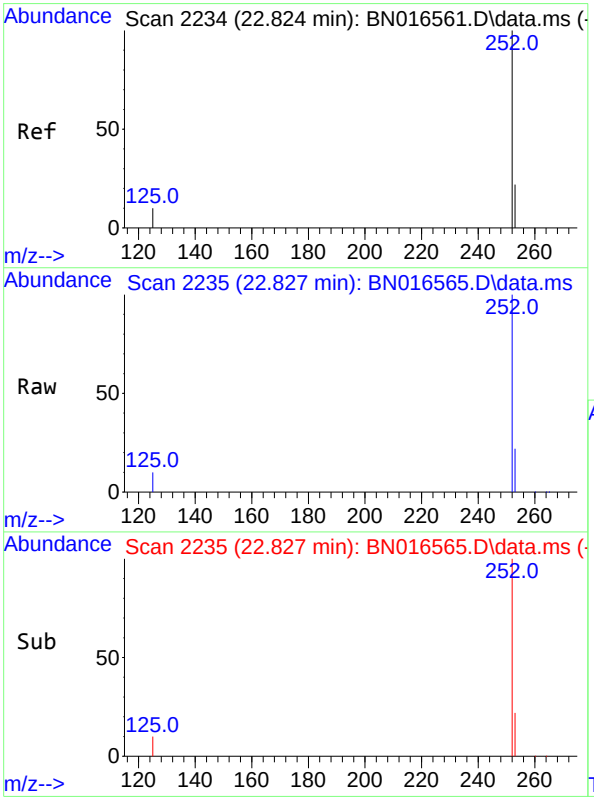


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.931 ng
RT: 25.798 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:276 Resp: 2288389

Ion	Ratio	Lower	Upper
276	100		
138	25.8	18.2	27.2
277	25.1	19.8	29.8

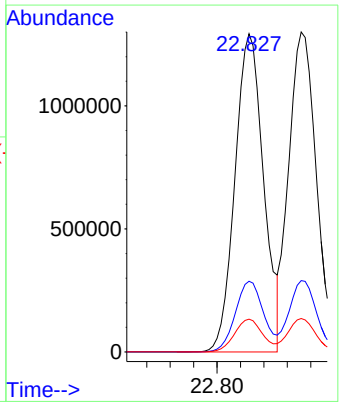




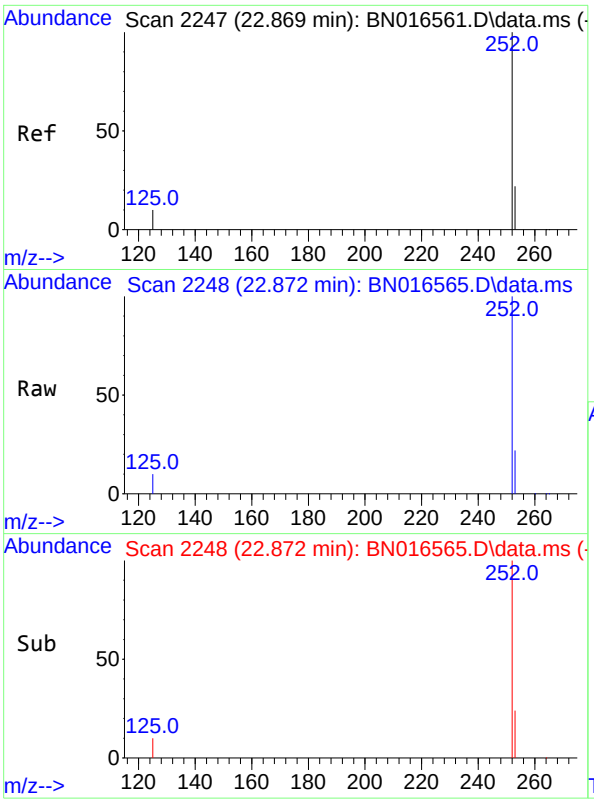
#37
Benzo(b)fluoranthene
Concen: 5.778 ng
RT: 22.827 min Scan# 2235
Delta R.T. 0.003 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:252 Resp: 2192773

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.3	7.3	10.9



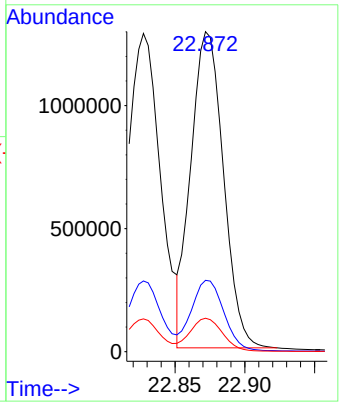
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

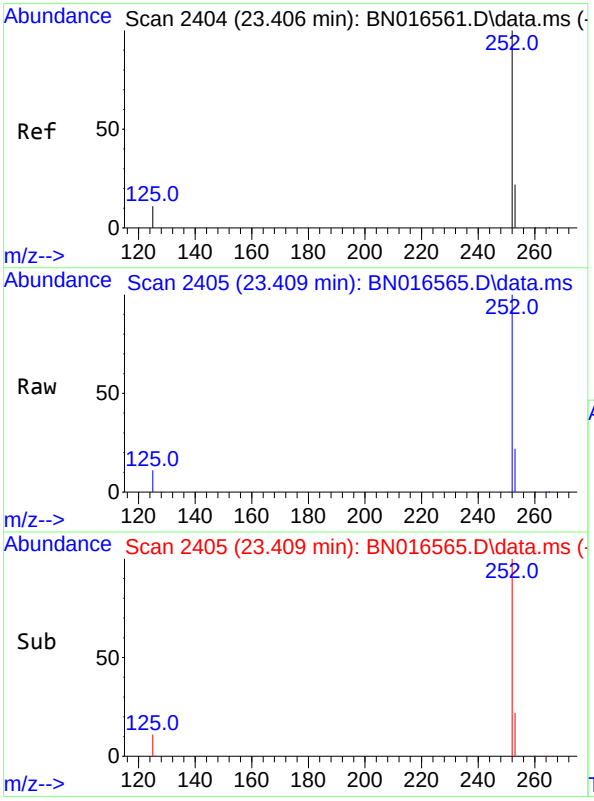


#38
Benzo(k)fluoranthene
Concen: 4.713 ng
RT: 22.872 min Scan# 2248
Delta R.T. 0.003 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:252 Resp: 2086820

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.5	7.4	11.0

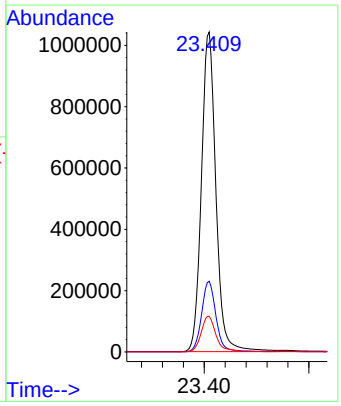


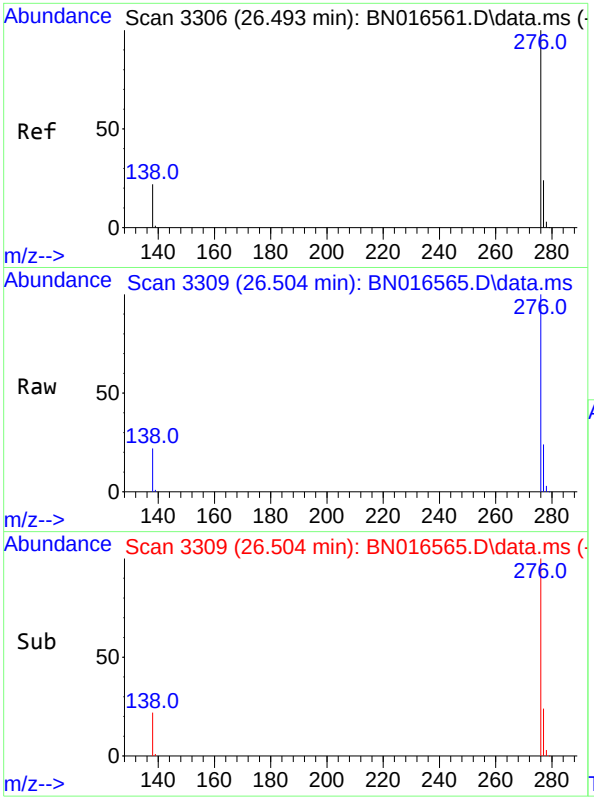


#39
Benzo(a)pyrene
Concen: 6.627 ng
RT: 23.409 min Scan# 2405
Delta R.T. 0.003 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:252 Resp: 2001041

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.2	8.2	12.4

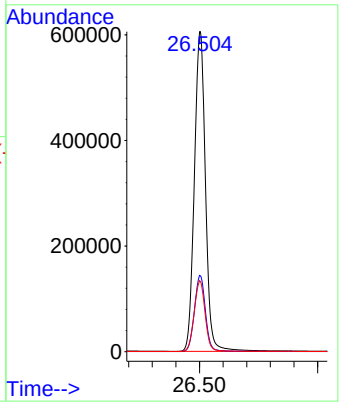




#41
Benzo(g,h,i)perylene
Concen: 6.254 ng
RT: 26.504 min Scan# 3309
Delta R.T. 0.010 min
Lab File: BN016565.D
Acq: 28 Sep 2021 20:13

Tgt Ion:276 Resp: 1978921

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.0	15.7	23.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0