Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071421\
Data File : BN015563.D
Acq On : 14 Jul 2021 14:47
Operator : CG/JU
Sample : PB137492BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB137492BS

Quant Time: Jul 14 15:22:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 14 11:20:16 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	14527	0.400	ng	# 0.00
7) Naphthalene-d8	10.597	136	67061	0.400	ng	0.00
13) Acenaphthene-d10	14.446	164	37815	0.400	ng	0.01
19) Phenanthrene-d10	17.188	188	72171	0.400	ng	0.00
29) Chrysene-d12	21.387	240	53335	0.400	ng	# 0.00
35) Perylene-d12	23.751	264	29643	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.411	112	17876	0.483	ng	0.00
5) Phenol-d6	6.988	99	21823	0.468	ng	0.00
8) Nitrobenzene-d5	8.962	82	19349	0.515	ng	0.00
11) 2-Methylnaphthalene-d10	12.189	152	43361	0.390	ng	0.00
14) 2,4,6-Tribromophenol	15.931	330	5975	0.586	ng	0.00
15) 2-Fluorobiphenyl	13.063	172	56495	0.368	ng	0.00
27) Fluoranthene-d10	19.227	212	78848	0.370	ng	0.00
31) Terphenyl-d14	19.832	244	57139	0.458	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.382	88	2739	0.402	ng	# 35
3) n-Nitrosodimethylamine	3.723	42	4709	0.369	ng	# 79
6) bis(2-Chloroethyl)ether	7.246	93	18056	0.394	ng	# 85
9) Naphthalene	10.647	128	74423	0.387	ng	97
10) Hexachlorobutadiene	10.939	225	13924	0.384	ng	# 99
12) 2-Methylnaphthalene	12.265	142	50156	0.406	ng	# 88
16) Acenaphthylene	14.154	152	66395	0.396	ng	98
17) Acenaphthene	14.497	154	44723	0.381	ng	98
18) Fluorene	15.487	166	55300	0.387	ng	99
20) 4,6-Dinitro-2-methylph...	15.575	198	611	0.614	ng	# 69
21) 4-Bromophenyl-phenylether	16.385	248	17227	0.376	ng	# 88
22) Hexachlorobenzene	16.506	284	19300	0.371	ng	# 93
23) Atrazine	16.652	200	12249	0.482	ng	94
24) Pentachlorophenol	16.847	266	4036	0.685	ng	99
25) Phenanthrene	17.236	178	88420	0.380	ng	99
26) Anthracene	17.322	178	75887	0.381	ng	99
28) Fluoranthene	19.256	202	95224	0.381	ng	# 97
30) Pyrene	19.624	202	94073	0.464	ng	99
32) Benzo(a)anthracene	21.376	228	70154	0.383	ng	97
33) Chrysene	21.429	228	76573	0.384	ng	97
34) Bis(2-ethylhexyl)phtha...	21.312	149	41260	0.752	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.178	276	22102	0.208	ng	# 86
37) Benzo(b)fluoranthene	23.036	252	51371	0.442	ng	# 96
38) Benzo(k)fluoranthene	23.084	252	49957	0.403	ng	# 95
39) Benzo(a)pyrene	23.649	252	37169	0.350	ng	# 93
40) Dibenzo(a,h)anthracene	26.199	278	17320	0.208	ng	# 92
41) Benzo(g,h,i)perylene	26.921	276	18570	0.202	ng	# 89

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

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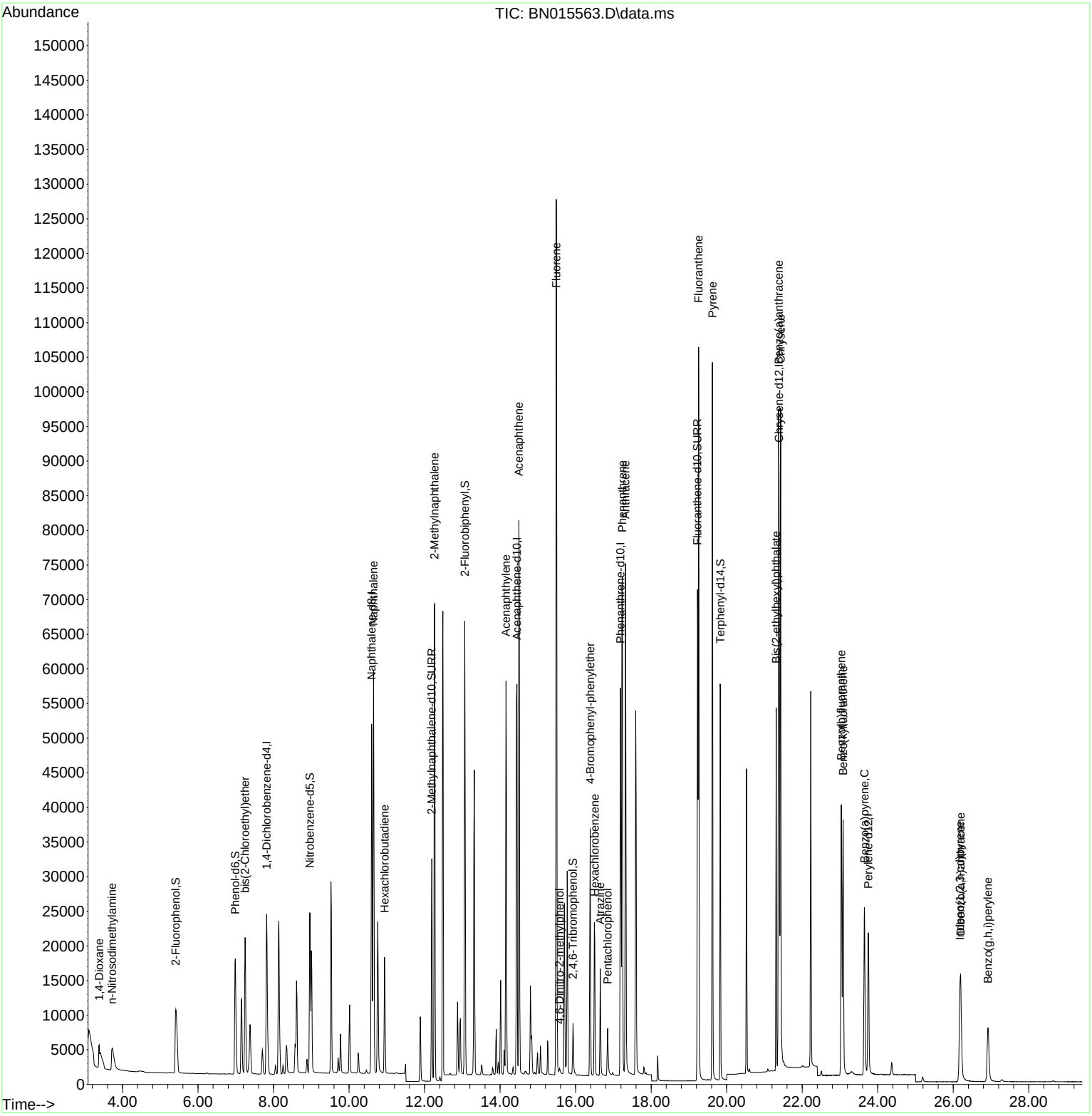
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB137492BS

Quant Time: Jul 14 15:22:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 14 11:20:16 2021
Response via : Initial Calibration



Instrument :
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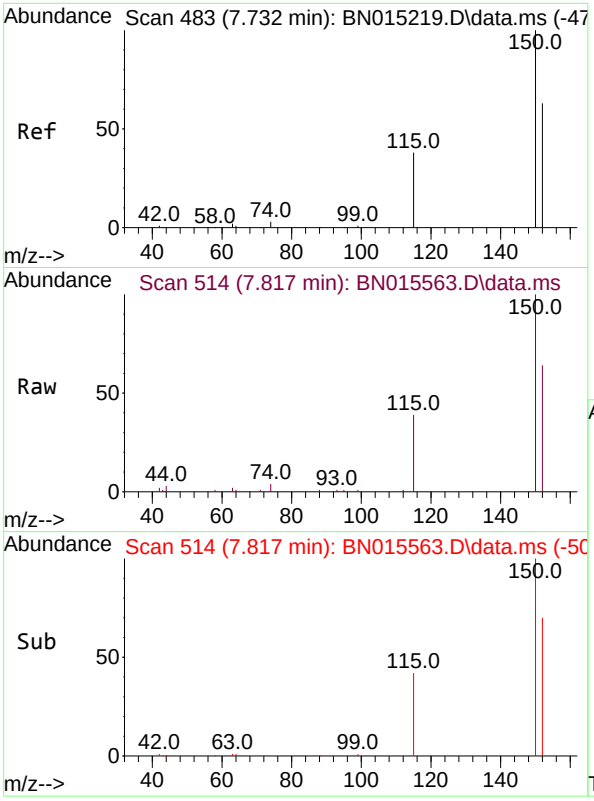
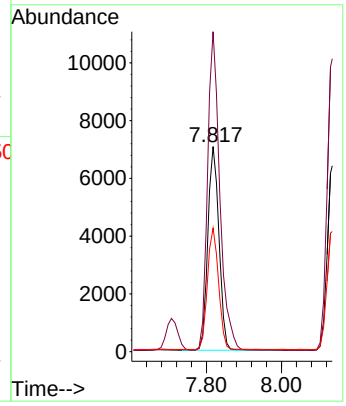
ClientSampleId :
PB137492BS

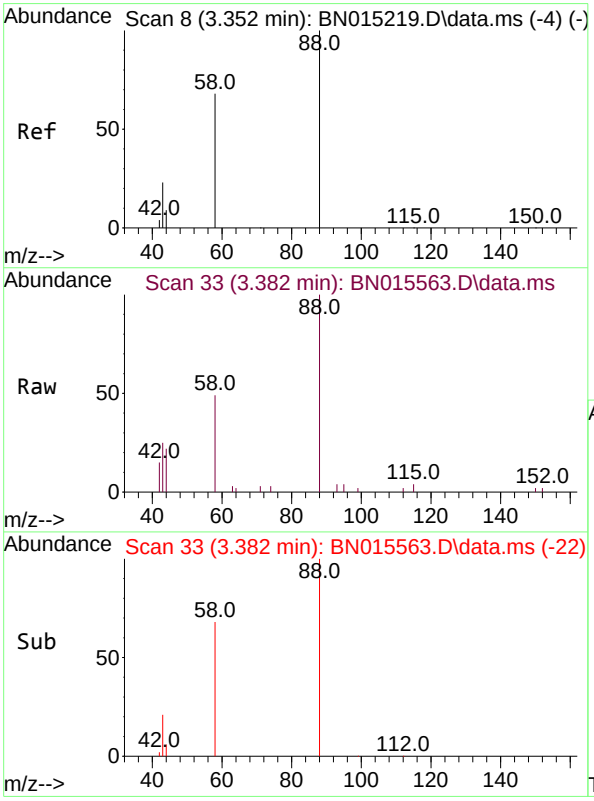


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.817 min Scan# 514
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:152 Resp: 14527

Ion	Ratio	Lower	Upper
152	100		
150	156.0	119.0	178.6
115	60.2	62.2	93.4#

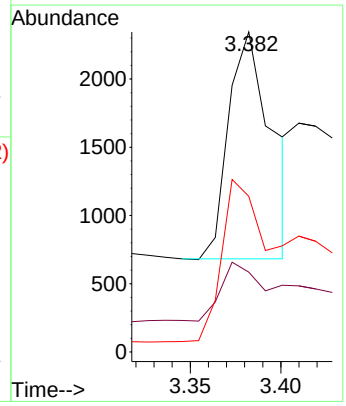




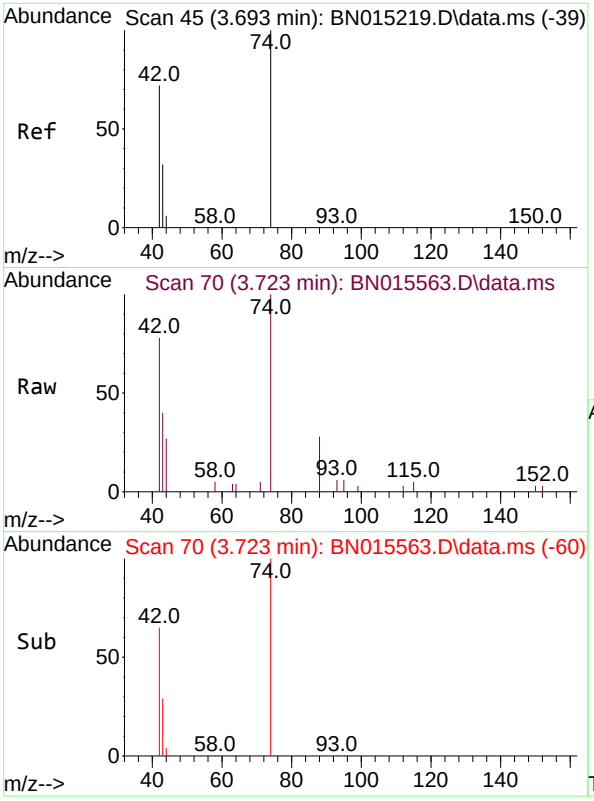
#2
1,4-Dioxane
Concen: 0.402 ng
RT: 3.382 min Scan# 33
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion: 88 Resp: 2739

Ion	Ratio	Lower	Upper
88	100		
43	63.9	12.9	19.3#
58	80.2	38.1	57.1#



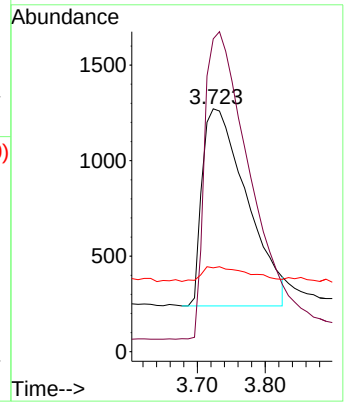
Instrument :
BNA_N
ClientSampleId :
PB137492BS

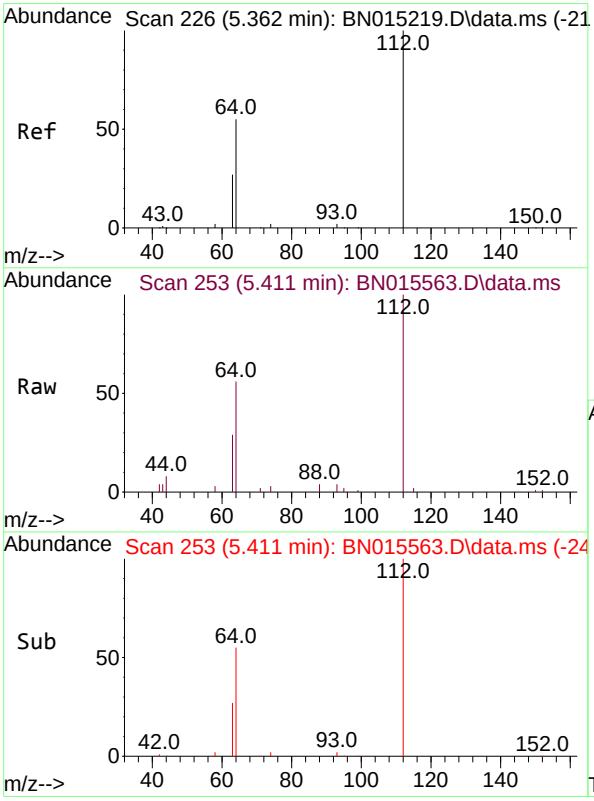


#3
n-Nitrosodimethylamine
Concen: 0.369 ng
RT: 3.723 min Scan# 70
Delta R.T. -0.009 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion: 42 Resp: 4709

Ion	Ratio	Lower	Upper
42	100		
74	156.0	149.5	224.3
44	7.7	4.2	6.2#

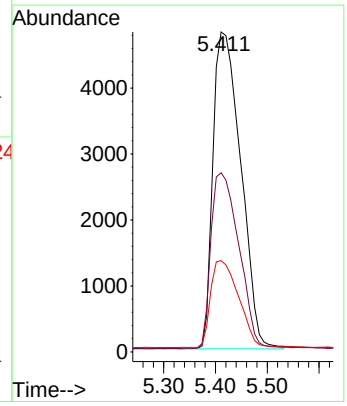




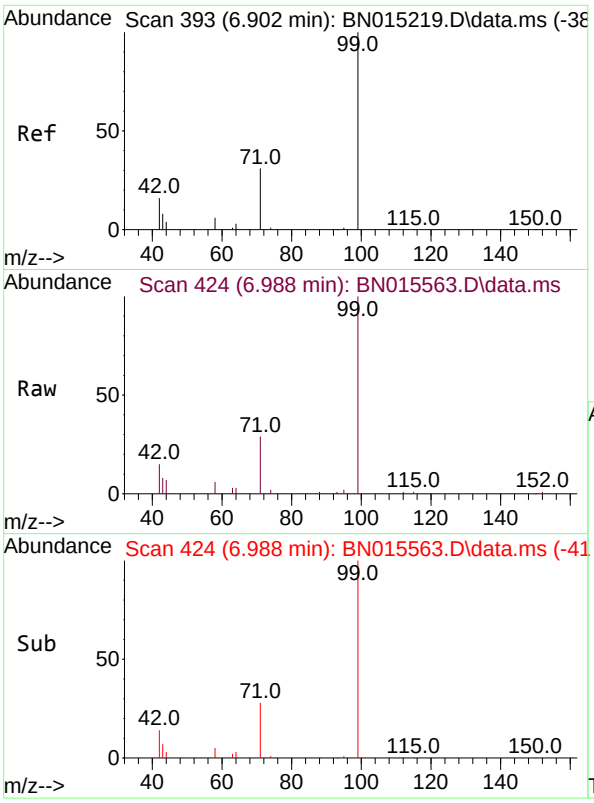
#4
2-Fluorophenol
Concen: 0.483 ng
RT: 5.411 min Scan# 253
Delta R.T. -0.009 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:112 Resp: 17876

Ion	Ratio	Lower	Upper
112	100		
64	55.6	39.0	58.6
63	27.6	20.6	30.8



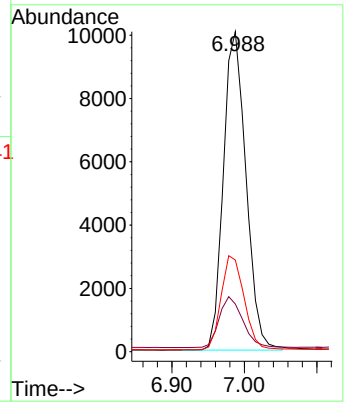
Instrument :
BNA_N
ClientSampleId :
PB137492BS

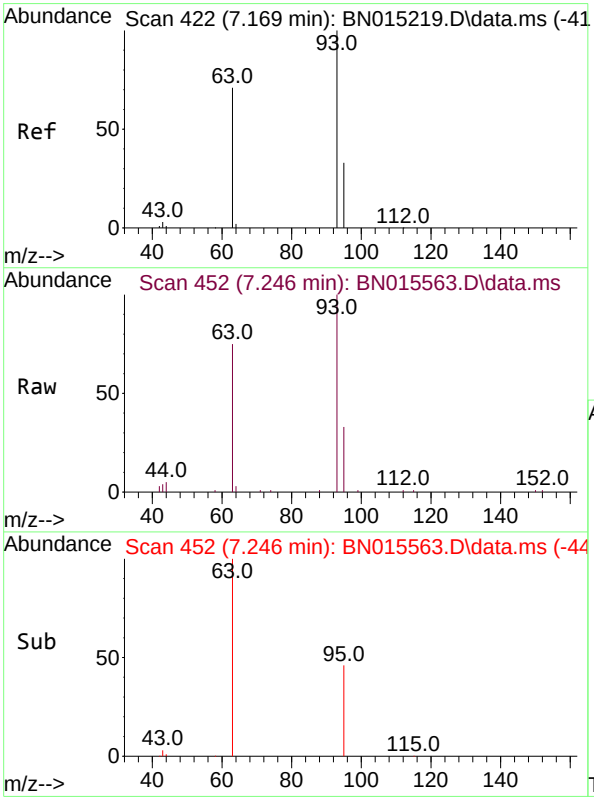


#5
Phenol-d6
Concen: 0.468 ng
RT: 6.988 min Scan# 424
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion: 99 Resp: 21823

Ion	Ratio	Lower	Upper
99	100		
42	16.5	8.9	13.3#
71	30.0	35.6	53.4#

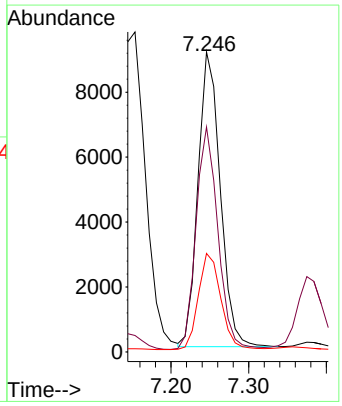




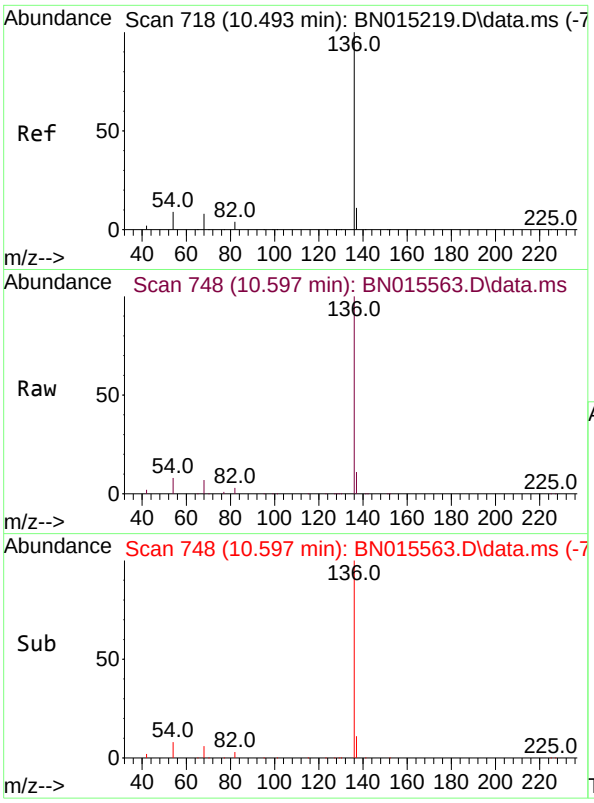
#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.246 min Scan# 452
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion: 93 Resp: 18056

Ion	Ratio	Lower	Upper
93	100		
63	74.4	46.6	70.0#
95	33.0	28.6	42.8



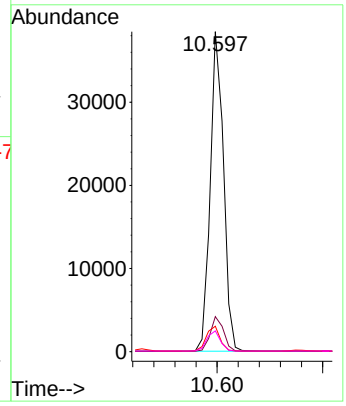
Instrument :
BNA_N
ClientSampleId :
PB137492BS

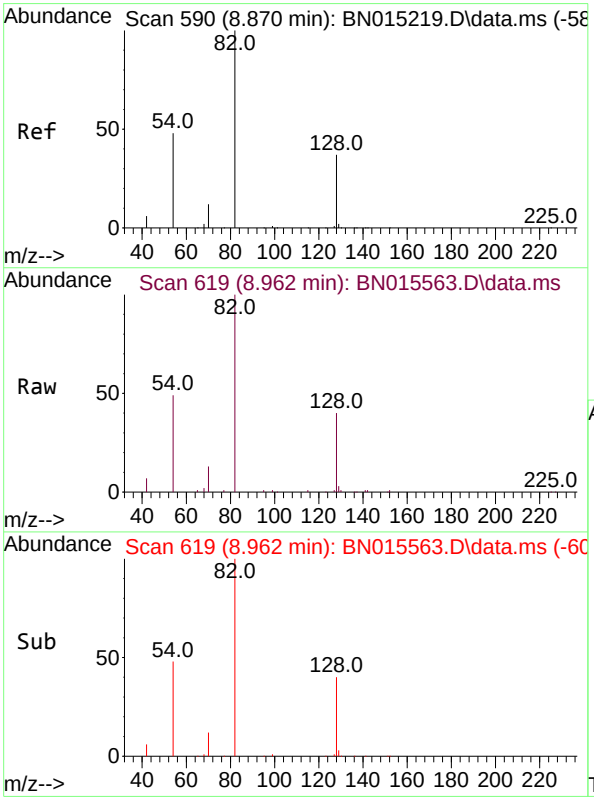


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.597 min Scan# 748
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:136 Resp: 67061

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	7.9	5.4	8.2
68	6.5	4.9	7.3

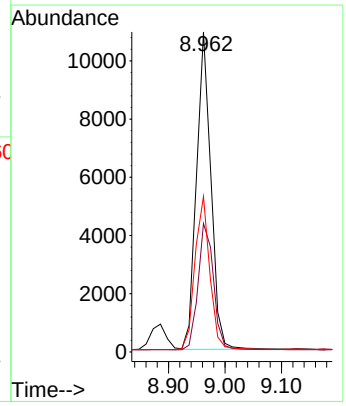




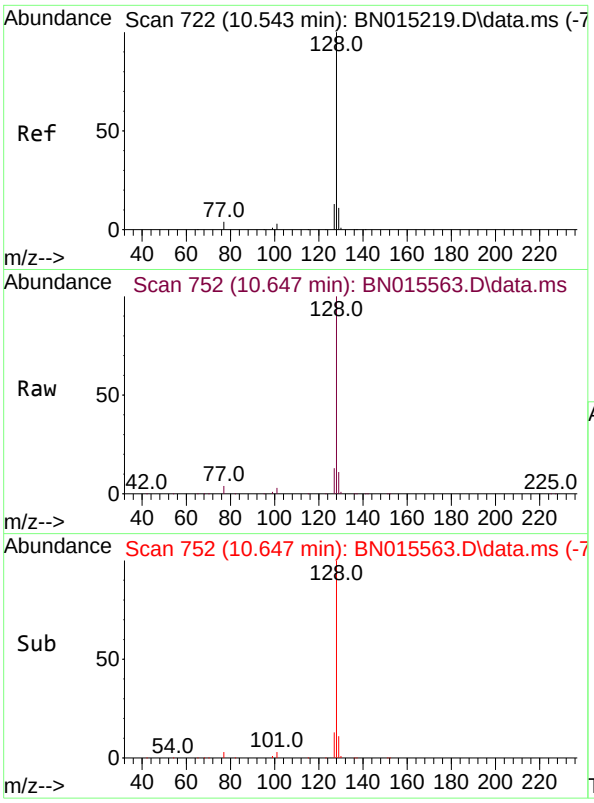
#8
Nitrobenzene-d5
Concen: 0.515 ng
RT: 8.962 min Scan# 619
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion: 82 Resp: 19349

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.6	47.4
54	48.6	29.0	43.4#



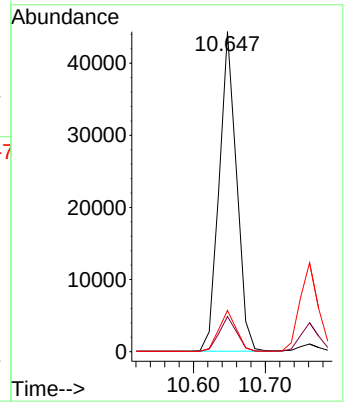
Instrument :
BNA_N
ClientSampleId :
PB137492BS

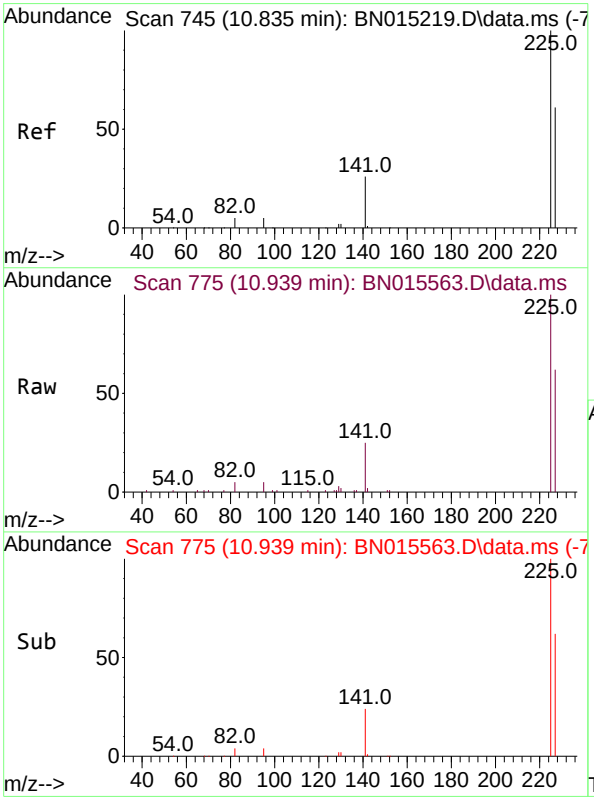


#9
Naphthalene
Concen: 0.387 ng
RT: 10.647 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:128 Resp: 74423

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	12.9	11.8	17.6

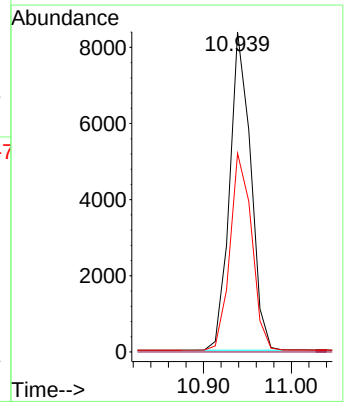


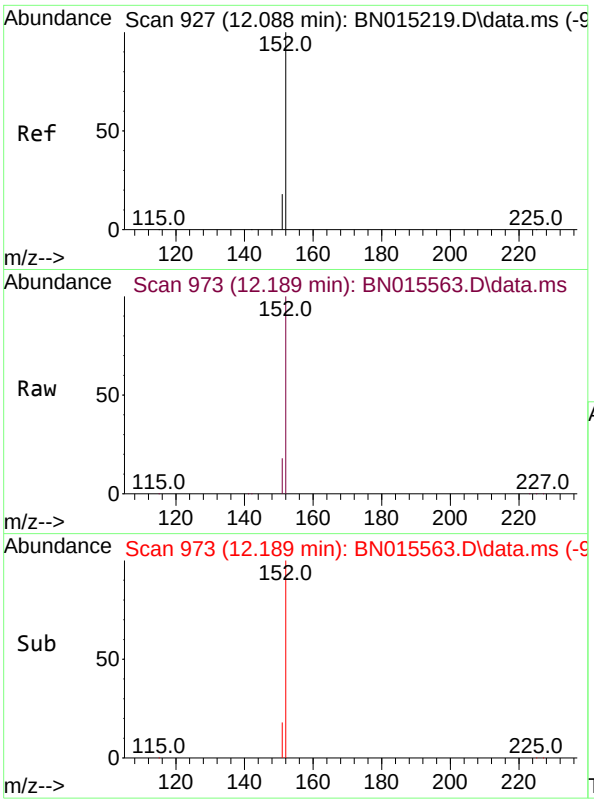


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.939 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:225 Resp: 13924

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.2	75.2

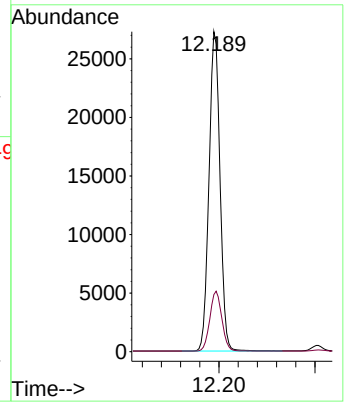




#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.189 min Scan# 973
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:152 Resp: 43361

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.7	25.1



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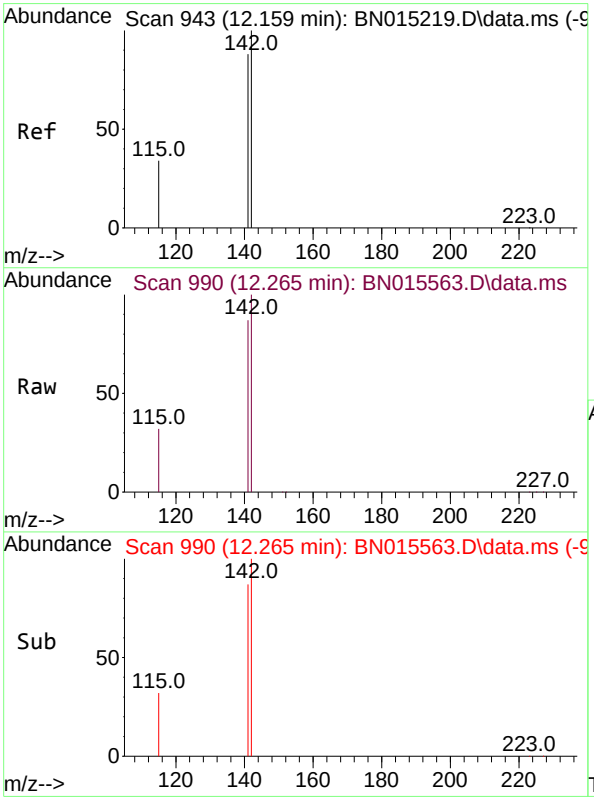
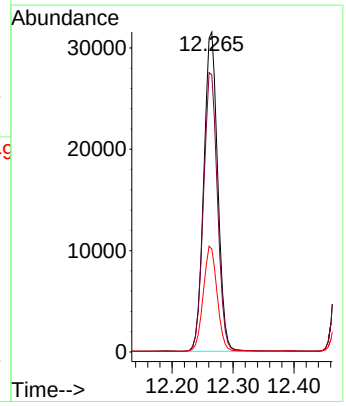


#12
2-Methylnaphthalene
Concen: 0.406 ng
RT: 12.265 min Scan# 990
Delta R.T. 0.005 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:142 Resp: 50156

Ion	Ratio	Lower	Upper
142	100		
141	86.6	72.3	108.5
115	32.1	40.7	61.1#



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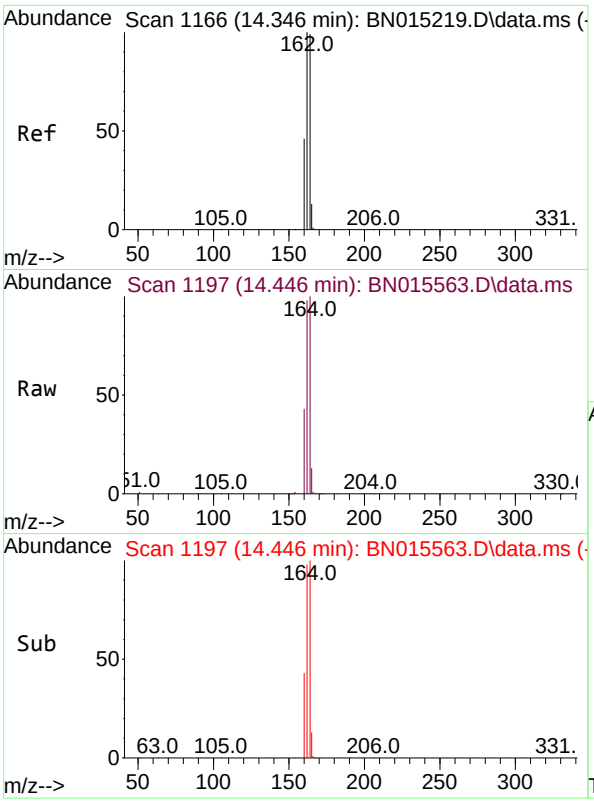
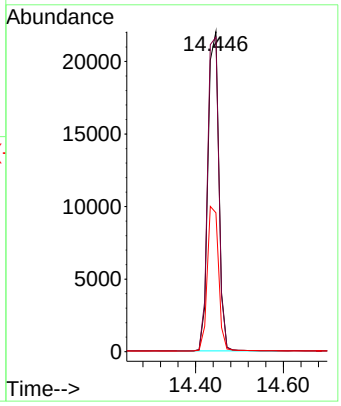
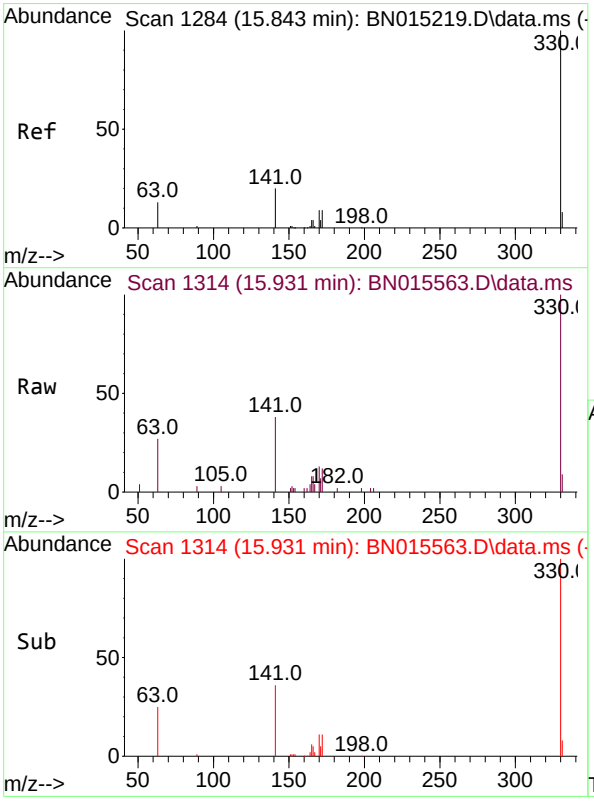


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.446 min Scan# 1197
Delta R.T. 0.013 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:164 Resp: 37815

Ion	Ratio	Lower	Upper
164	100		
162	98.3	83.8	125.6
160	43.4	37.4	56.0

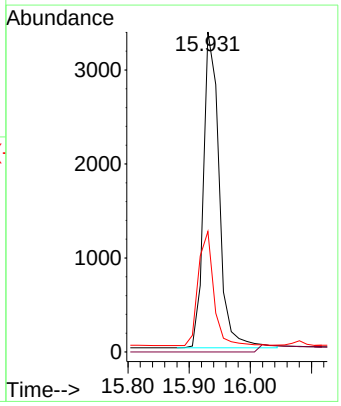




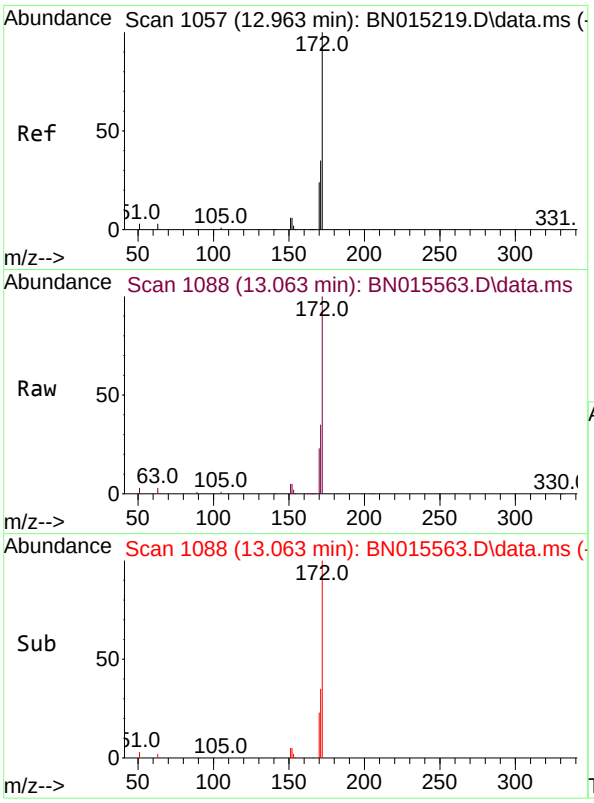
#14
2,4,6-Tribromophenol
Concen: 0.586 ng
RT: 15.931 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:330 Resp: 5975

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.6	22.4	33.6#



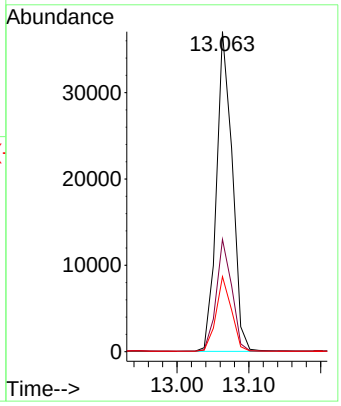
Instrument :
BNA_N
ClientSampleId :
PB137492BS

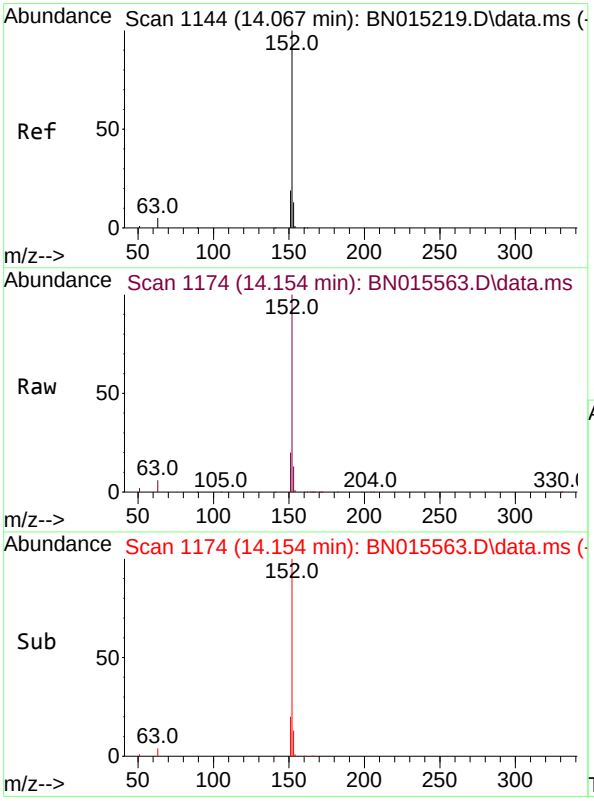


#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.063 min Scan# 1088
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:172 Resp: 56495

Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.6	45.8
170	23.4	20.2	30.4

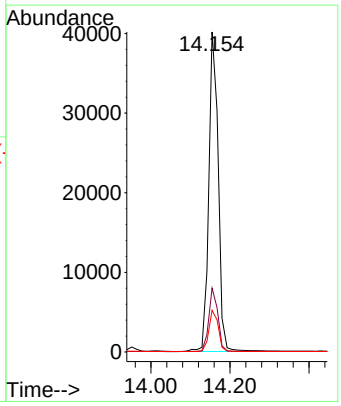




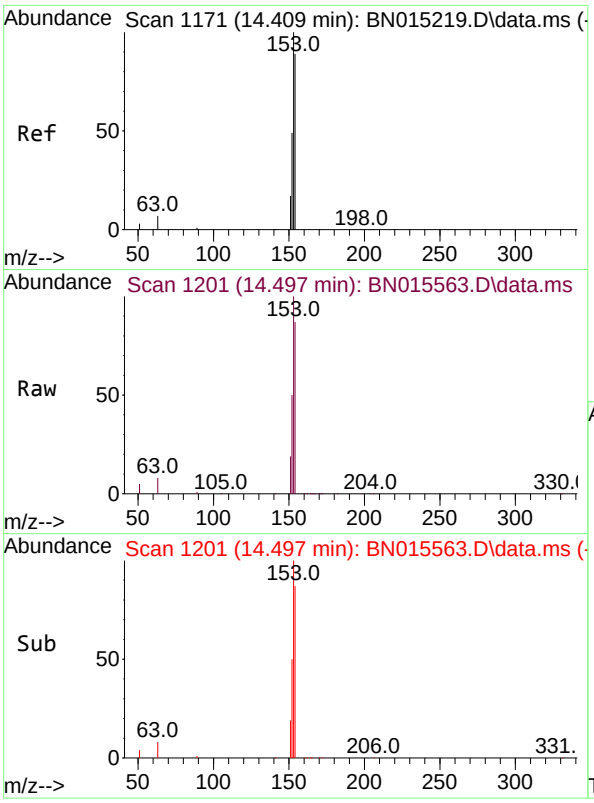
#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.154 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:152 Resp: 66395

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.7	25.1
153	13.0	10.5	15.7



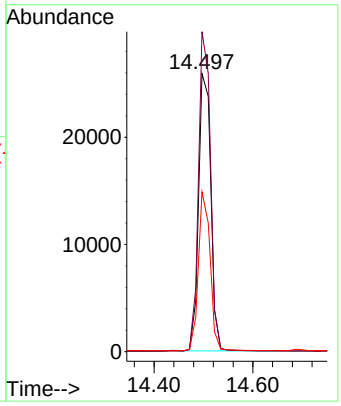
Instrument :
BNA_N
ClientSampleId :
PB137492BS

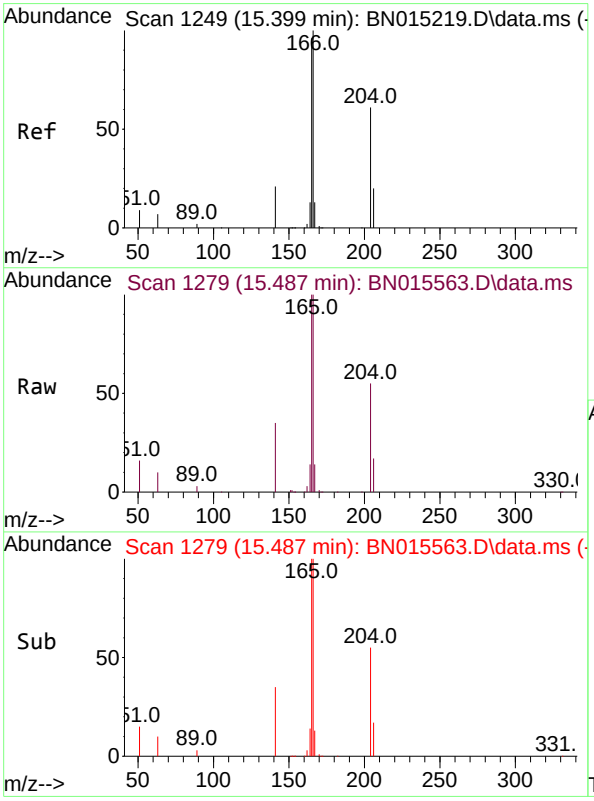


#17
Acenaphthene
Concen: 0.381 ng
RT: 14.497 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:154 Resp: 44723

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.9	136.3
152	54.7	45.8	68.8

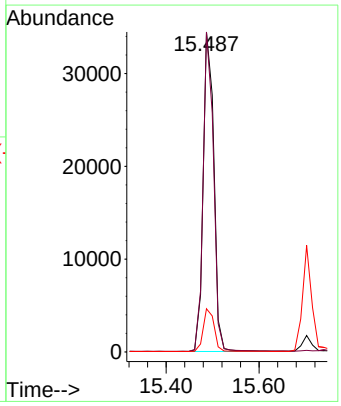




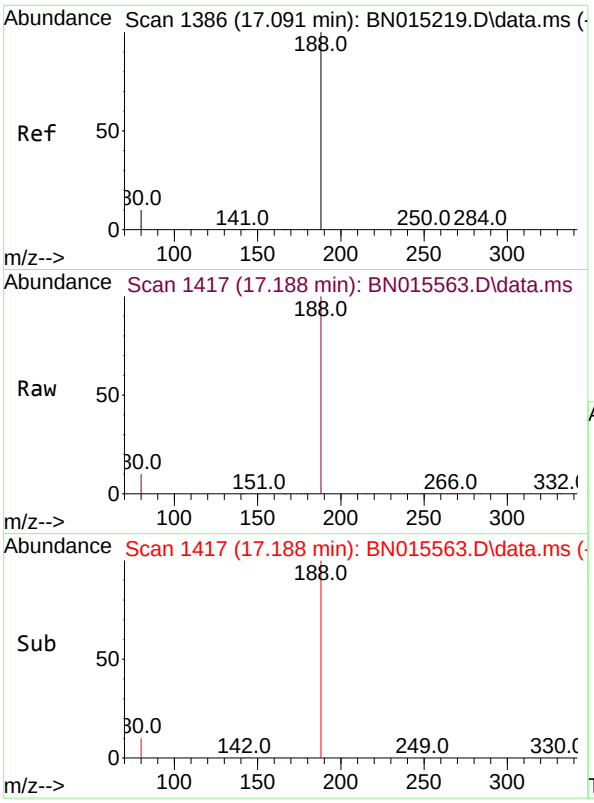
#18
Fluorene
Concen: 0.387 ng
RT: 15.487 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:166 Resp: 55300

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.2	118.8
167	13.6	10.7	16.1



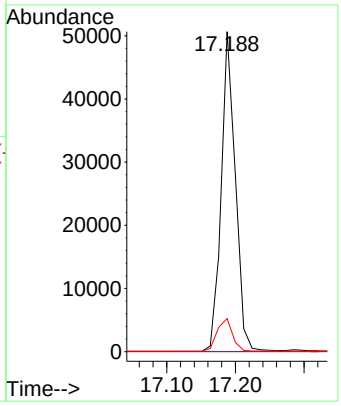
Instrument :
BNA_N
ClientSampleId :
PB137492BS

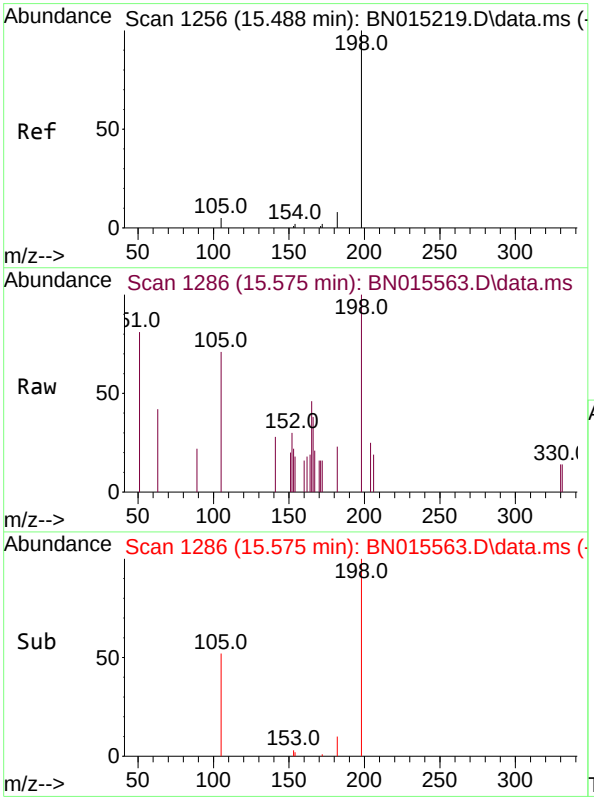


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.188 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:188 Resp: 72171

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	9.0	13.4

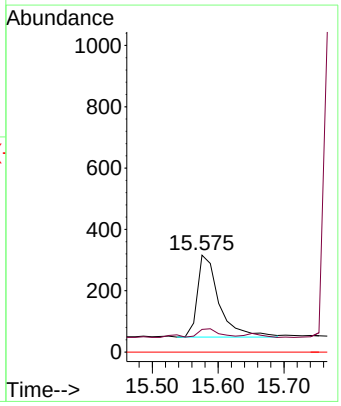




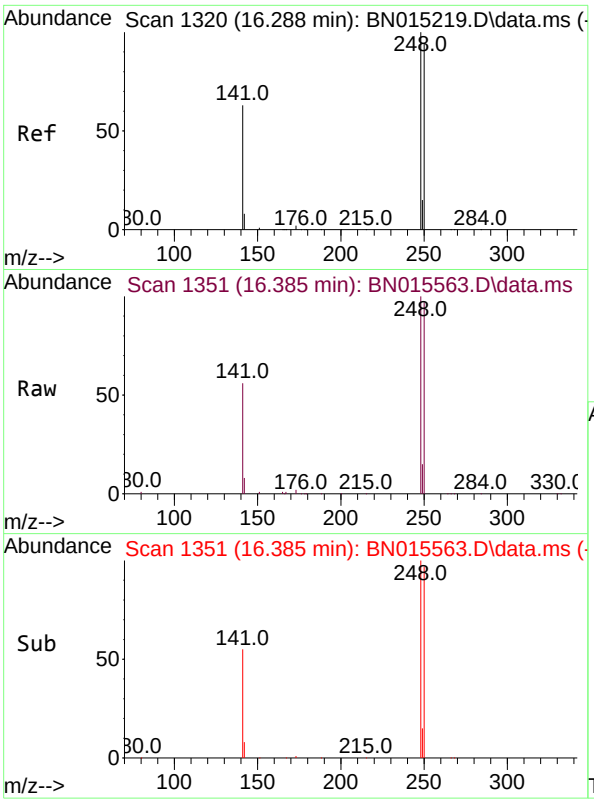
#20
4,6-Dinitro-2-methylphenol
Concen: 0.614 ng
RT: 15.575 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:198 Resp: 611

Ion	Ratio	Lower	Upper
198	100		
182	23.4	34.5	51.7#
77	0.0	0.0	0.0



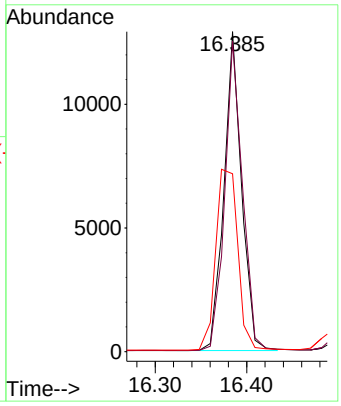
Instrument :
BNA_N
ClientSampleId :
PB137492BS

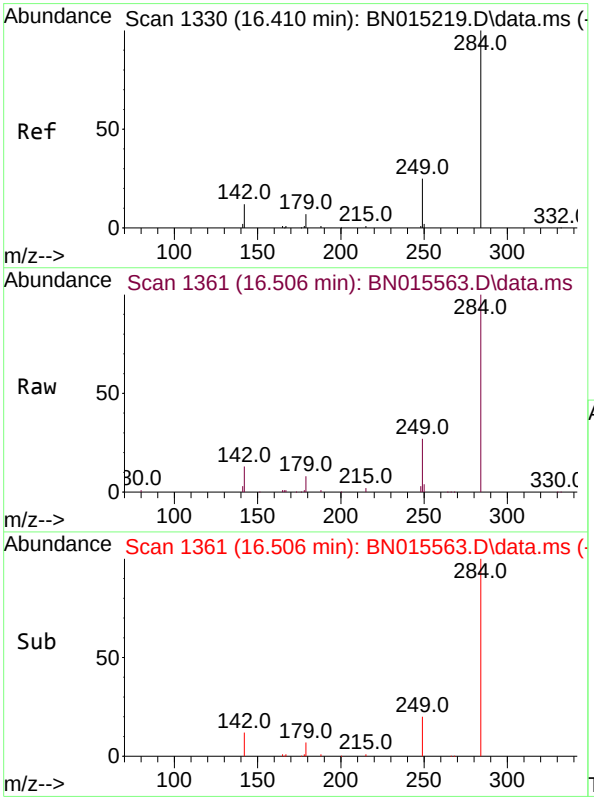


#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.385 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:248 Resp: 17227

Ion	Ratio	Lower	Upper
248	100		
250	97.0	86.2	129.4
141	55.6	36.2	54.2#

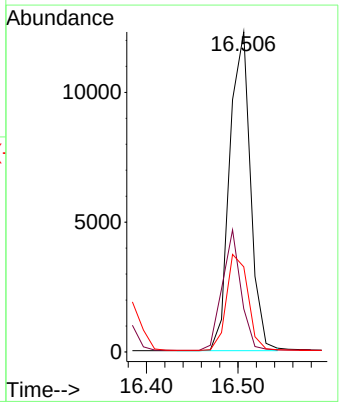




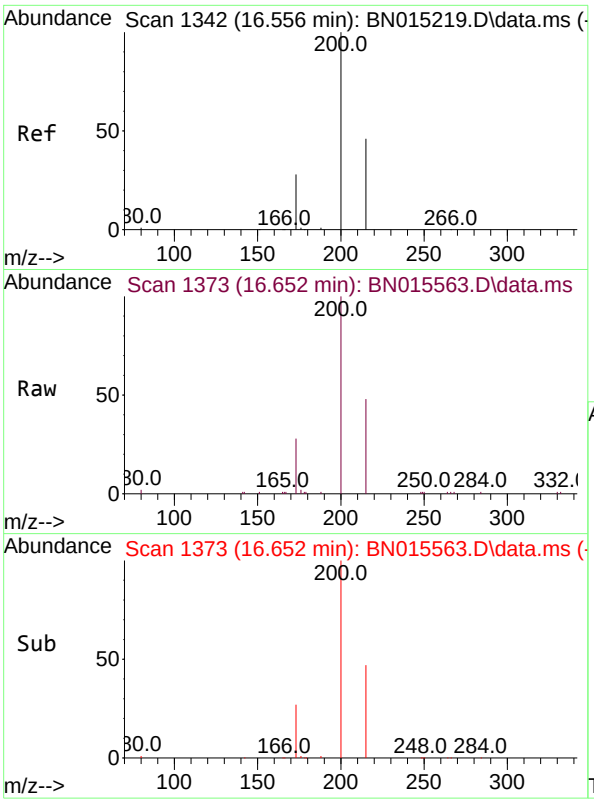
#22
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.506 min Scan# 1361
Delta R.T. 0.012 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:284 Resp: 19300

Ion	Ratio	Lower	Upper
284	100		
142	34.1	22.2	33.2#
249	31.2	26.6	39.8



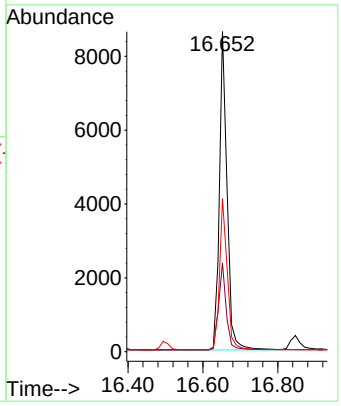
Instrument :
BNA_N
ClientSampleId :
PB137492BS

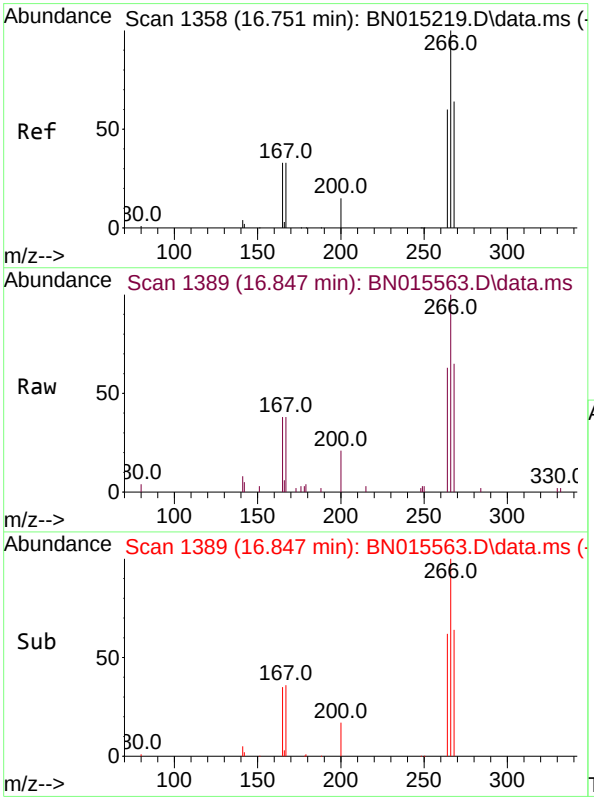


#23
Atrazine
Concen: 0.482 ng
RT: 16.652 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:200 Resp: 12249

Ion	Ratio	Lower	Upper
200	100		
173	27.7	21.7	32.5
215	47.8	43.1	64.7

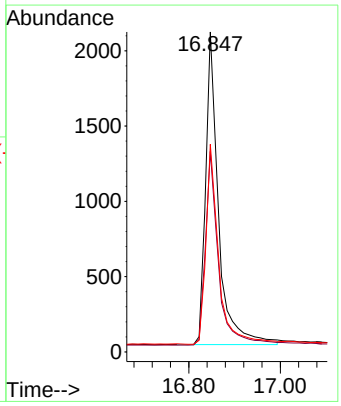




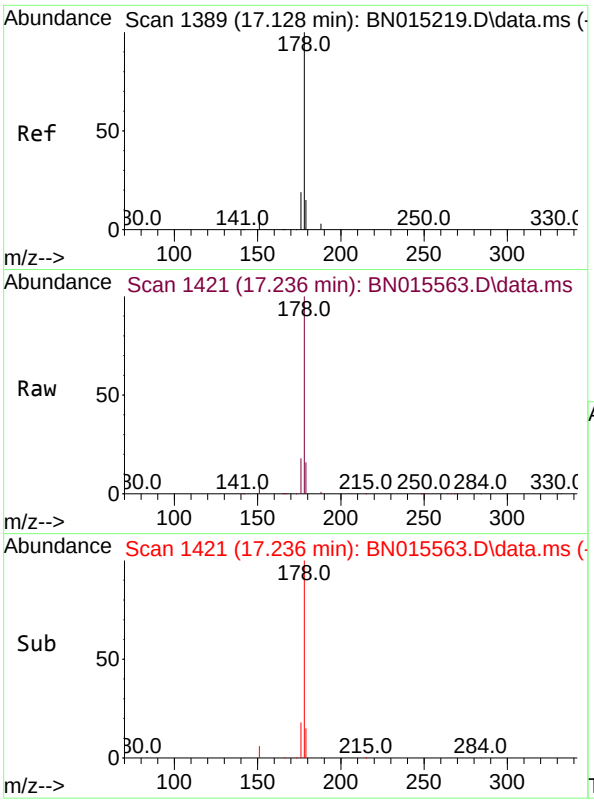
#24
Pentachlorophenol
Concen: 0.685 ng
RT: 16.847 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:266 Resp: 4036

Ion	Ratio	Lower	Upper
266	100		
264	62.6	51.0	76.4
268	63.7	50.6	76.0



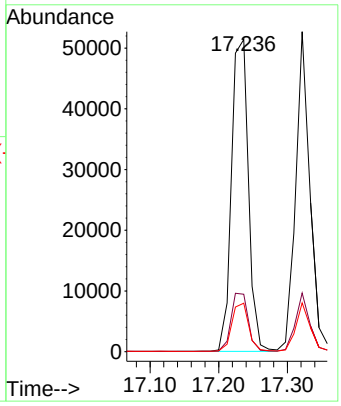
Instrument :
BNA_N
ClientSampleId :
PB137492BS

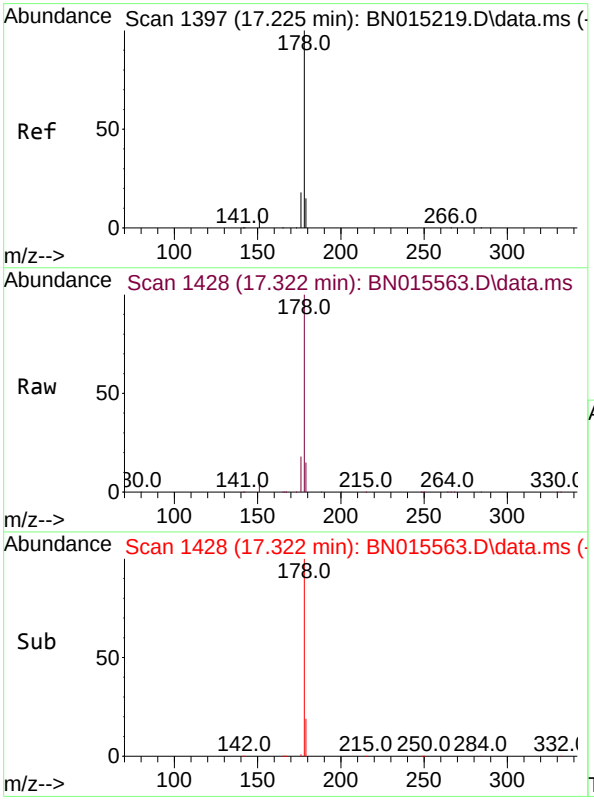


#25
Phenanthrene
Concen: 0.380 ng
RT: 17.236 min Scan# 1421
Delta R.T. 0.012 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:178 Resp: 88420

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.4	12.1	18.1

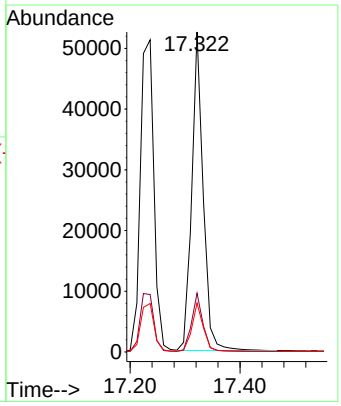


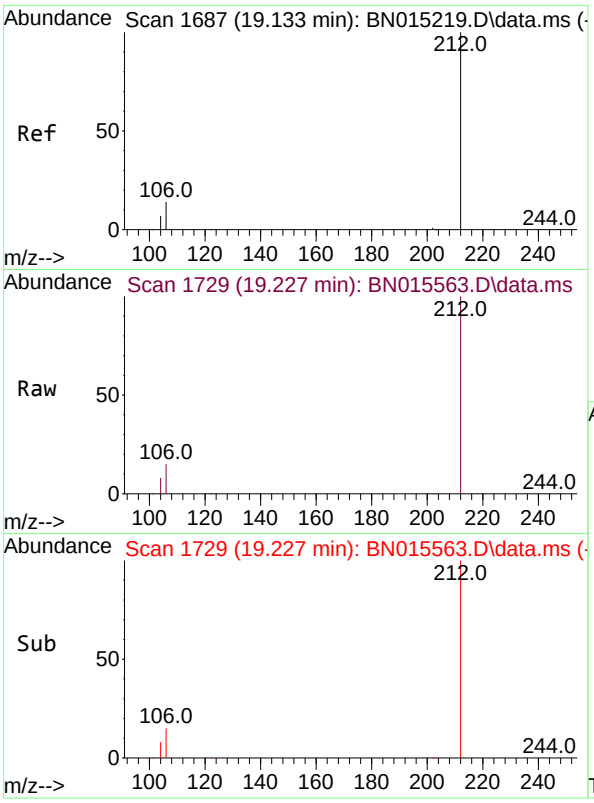


#26
Anthracene
Concen: 0.381 ng
RT: 17.322 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:178 Resp: 75887

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.2	12.2	18.2

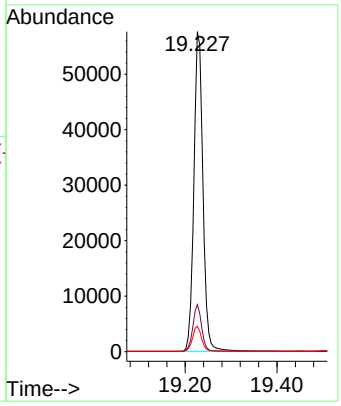


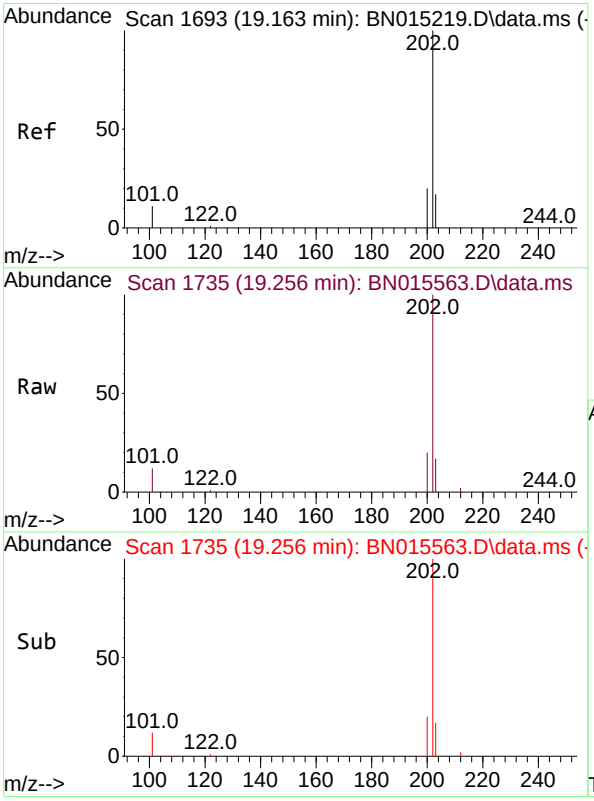


#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.227 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:212 Resp: 78848

Ion	Ratio	Lower	Upper
212	100		
106	14.2	7.0	10.6#
104	7.8	4.1	6.1#

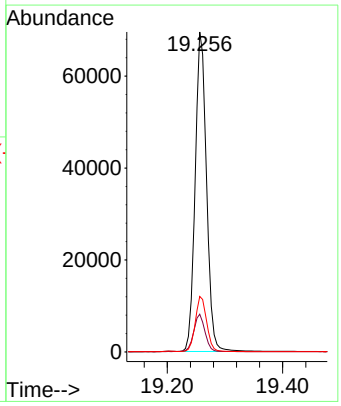




#28
Fluoranthene
Concen: 0.381 ng
RT: 19.256 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:202 Resp: 95224

Ion	Ratio	Lower	Upper
202	100		
101	11.8	6.6	10.0#
203	17.3	13.9	20.9



Instrument :
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BNA_N
ClientSampleId :
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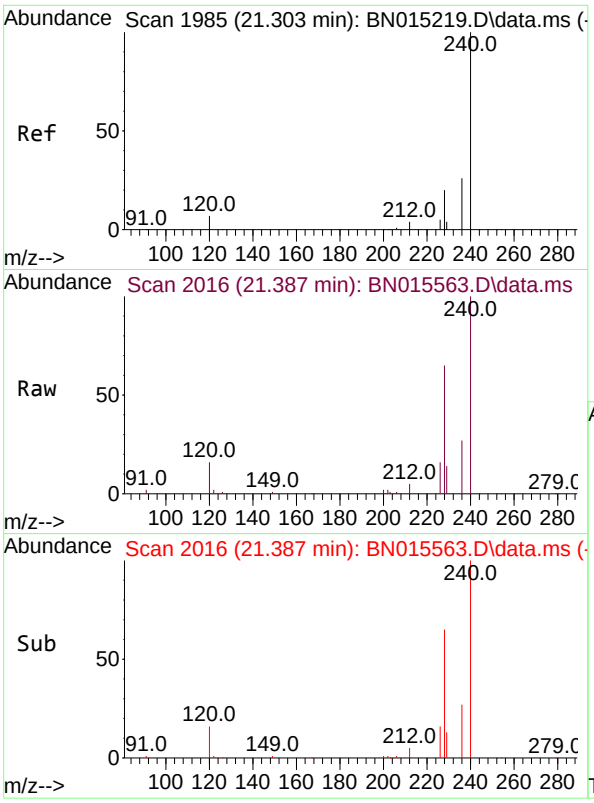
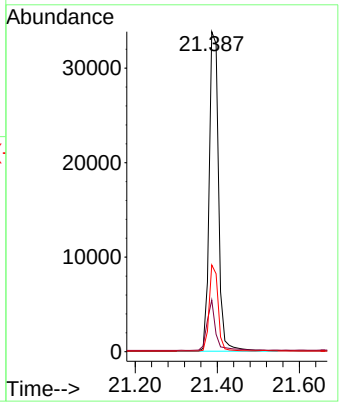
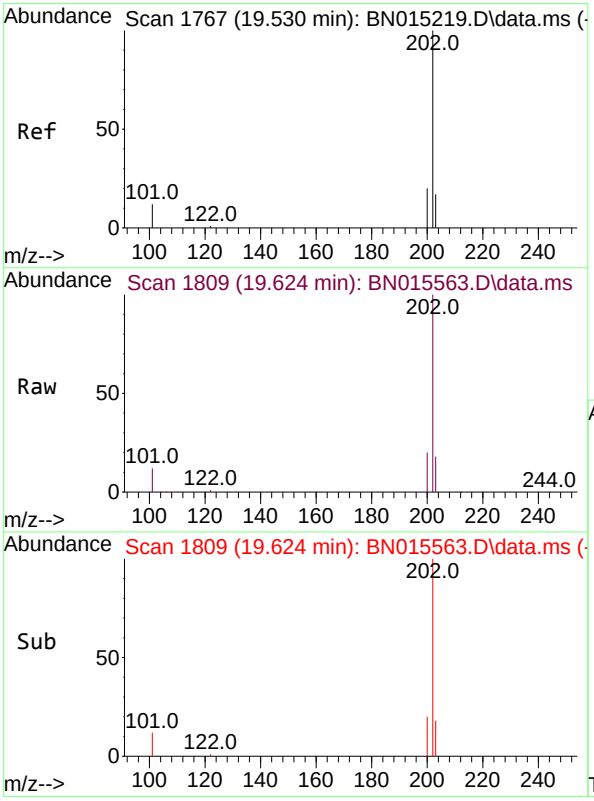


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:240 Resp: 53335

Ion	Ratio	Lower	Upper
240	100		
120	16.1	4.2	6.4#
236	27.1	21.4	32.2

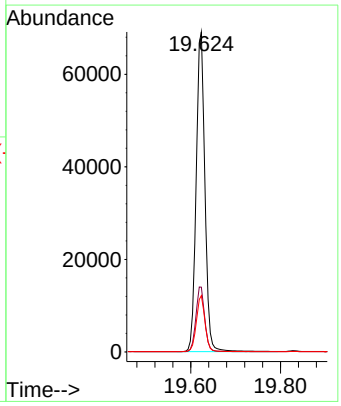




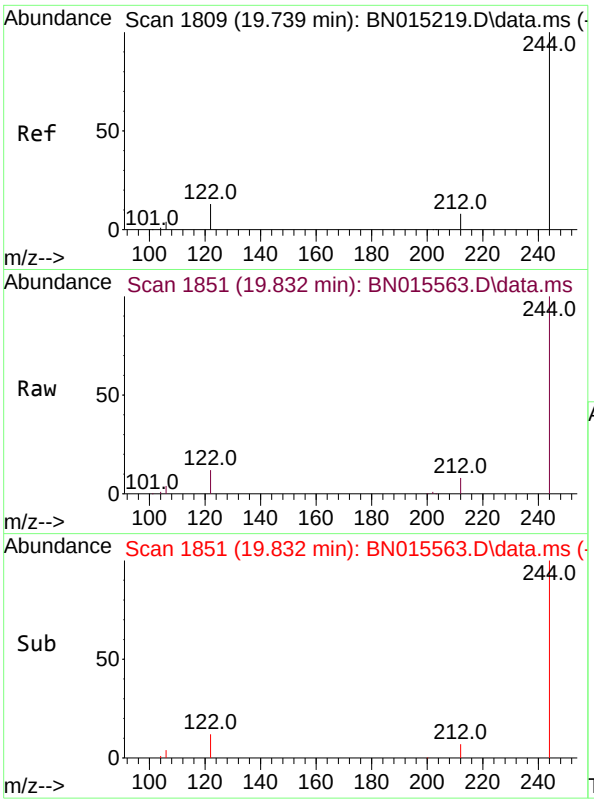
#30
Pyrene
Concen: 0.464 ng
RT: 19.624 min Scan# 1809
Delta R.T. 0.005 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:202 Resp: 94073

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.4	13.9	20.9



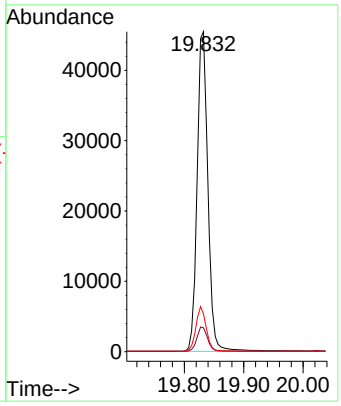
Instrument :
BNA_N
ClientSampleId :
PB137492BS

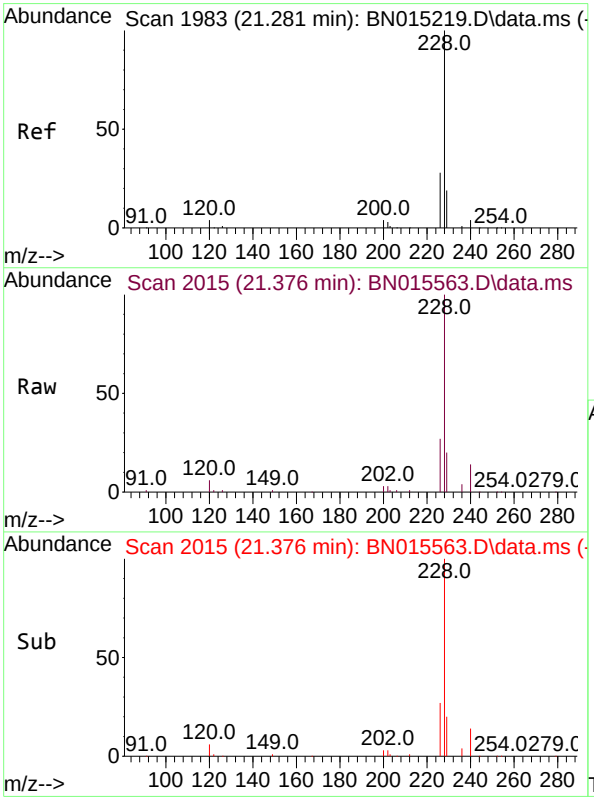


#31
Terphenyl-d14
Concen: 0.458 ng
RT: 19.832 min Scan# 1851
Delta R.T. 0.005 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:244 Resp: 57139

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.3	9.5
122	11.8	6.2	9.2#

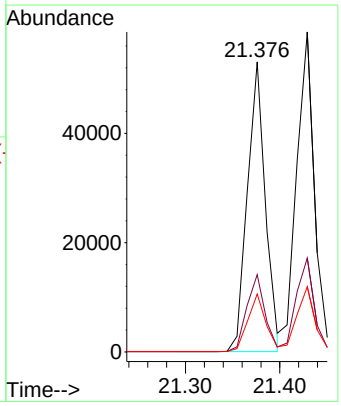




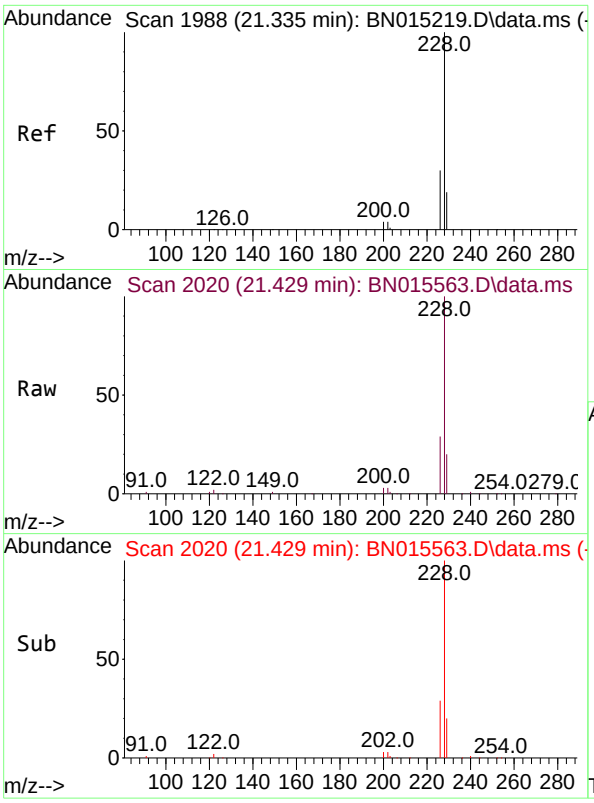
#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.376 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:228 Resp: 70154

Ion	Ratio	Lower	Upper
228	100		
226	26.7	23.0	34.6
229	20.0	15.7	23.5



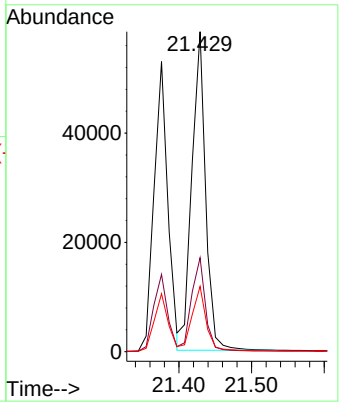
Instrument :
BNA_N
ClientSampleId :
PB137492BS

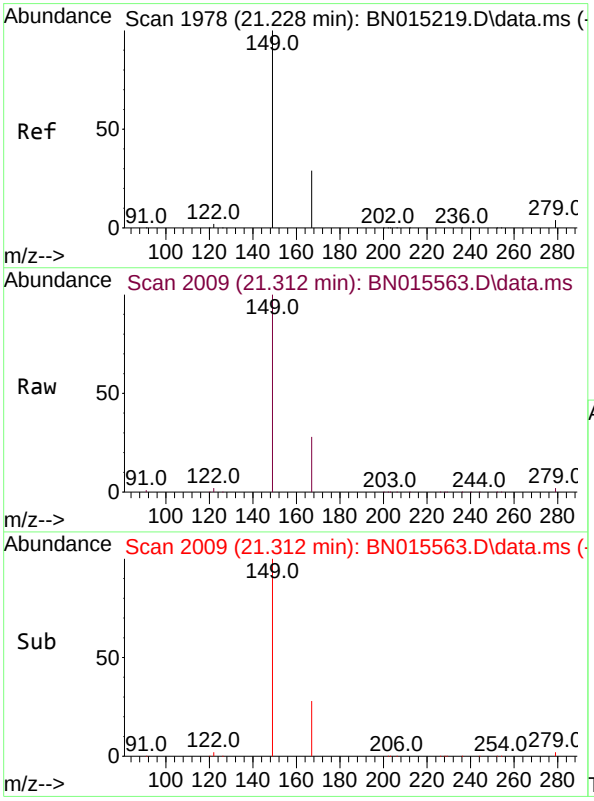


#33
Chrysene
Concen: 0.384 ng
RT: 21.429 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:228 Resp: 76573

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	20.4	15.9	23.9

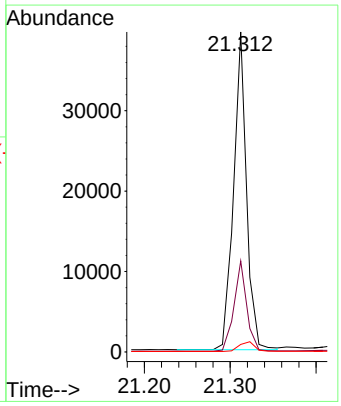




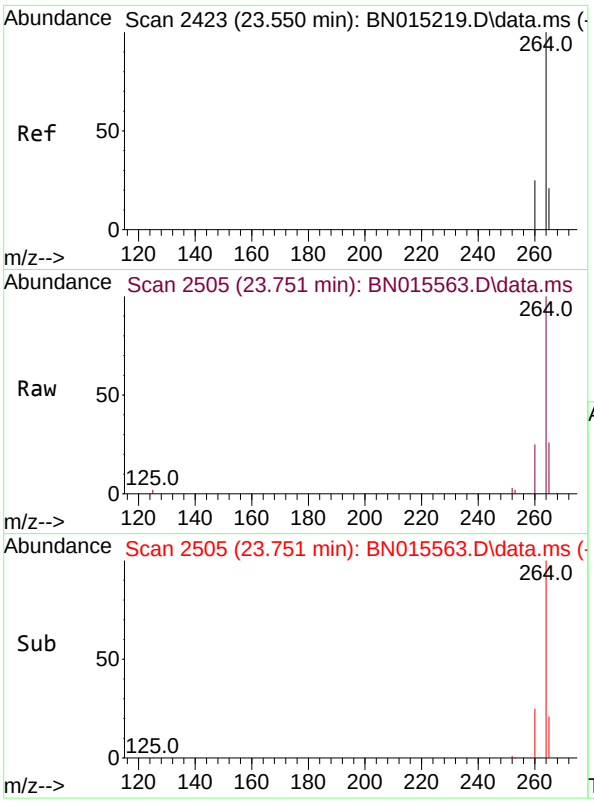
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.752 ng
RT: 21.312 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:149 Resp: 41260

Ion	Ratio	Lower	Upper
149	100		
167	28.2	28.9	43.3#
279	3.6	4.9	7.3#



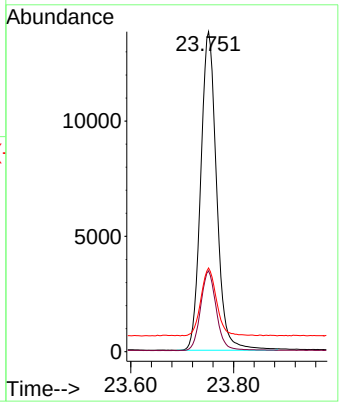
Instrument :
BNA_N
ClientSampleId :
PB137492BS

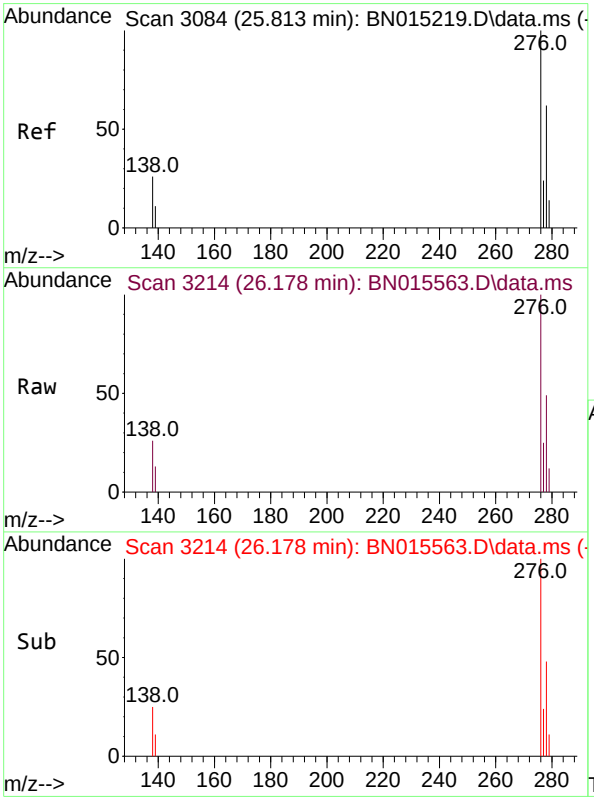


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.751 min Scan# 2505
Delta R.T. 0.004 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:264 Resp: 29643

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	31.0
265	26.1	21.4	32.2

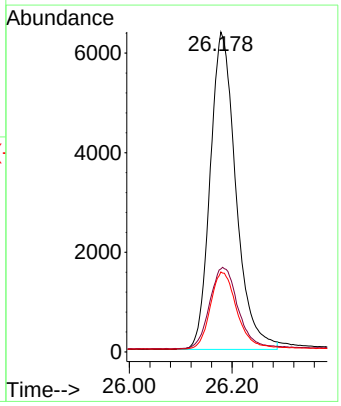




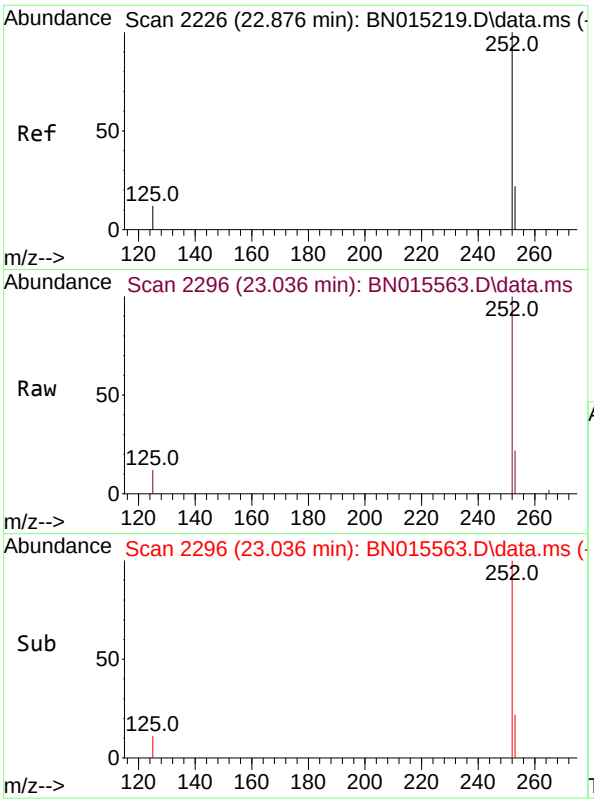
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.208 ng
RT: 26.178 min Scan# 3214
Delta R.T. 0.000 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:276 Resp: 22102

Ion	Ratio	Lower	Upper
276	100		
138	28.2	10.0	15.0#
277	25.1	20.4	30.6



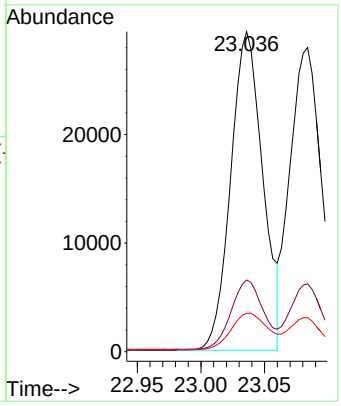
Instrument :
BNA_N
ClientSampleId :
PB137492BS

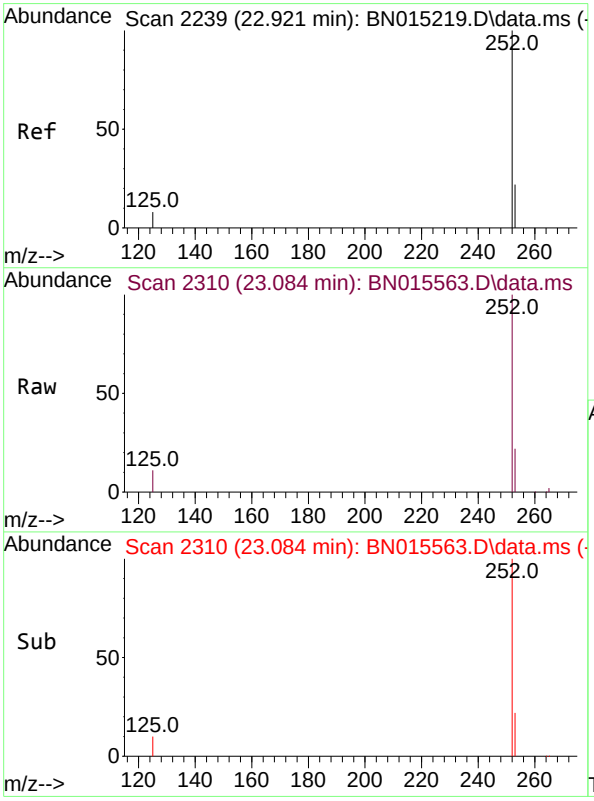


#37
Benzo(b)fluoranthene
Concen: 0.442 ng
RT: 23.036 min Scan# 2296
Delta R.T. 0.004 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:252 Resp: 51371

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	11.9	5.8	8.6#

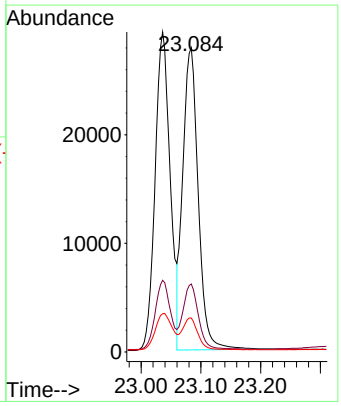




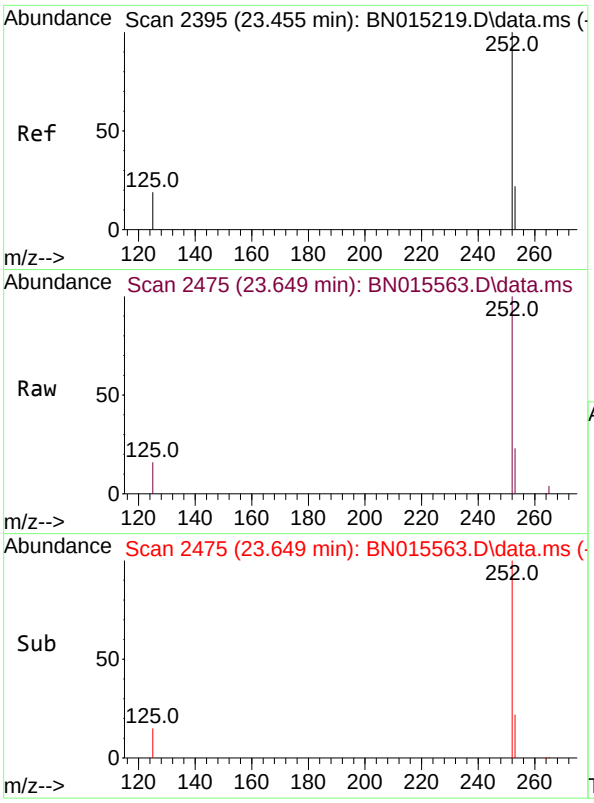
#38
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 23.084 min Scan# 2310
Delta R.T. 0.004 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:252 Resp: 49957

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.1	28.7
125	11.1	5.4	8.0#



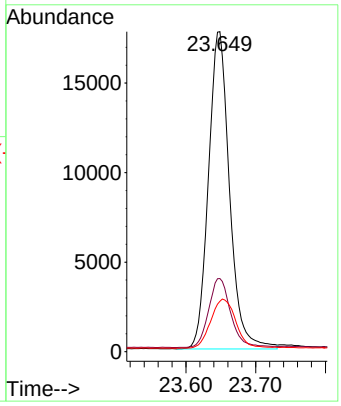
Instrument :
BNA_N
ClientSampleId :
PB137492BS

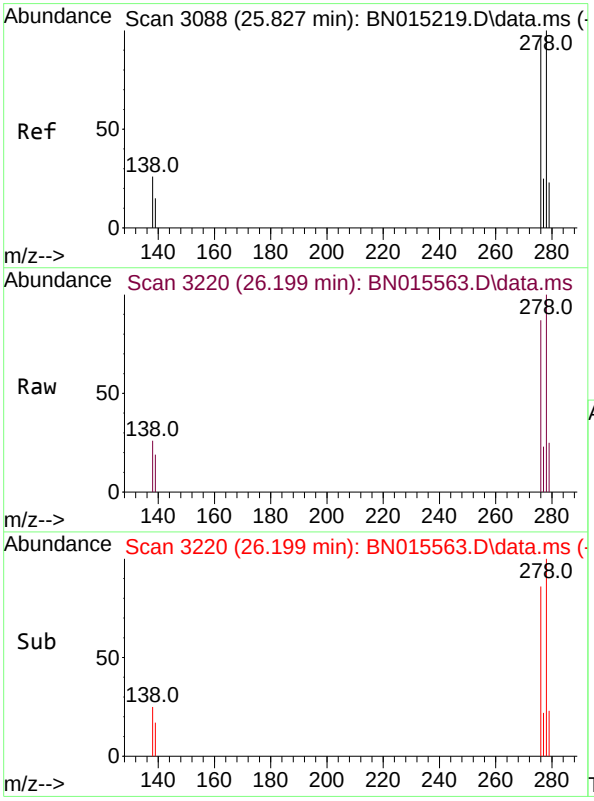


#39
Benzo(a)pyrene
Concen: 0.350 ng
RT: 23.649 min Scan# 2475
Delta R.T. 0.004 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:252 Resp: 37169

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.2
125	15.8	7.4	11.2#

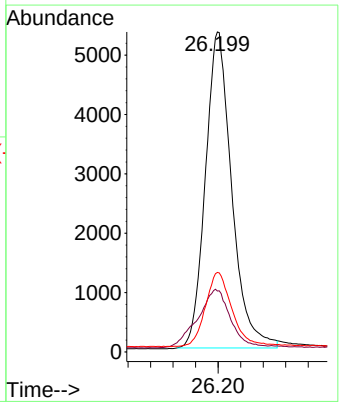


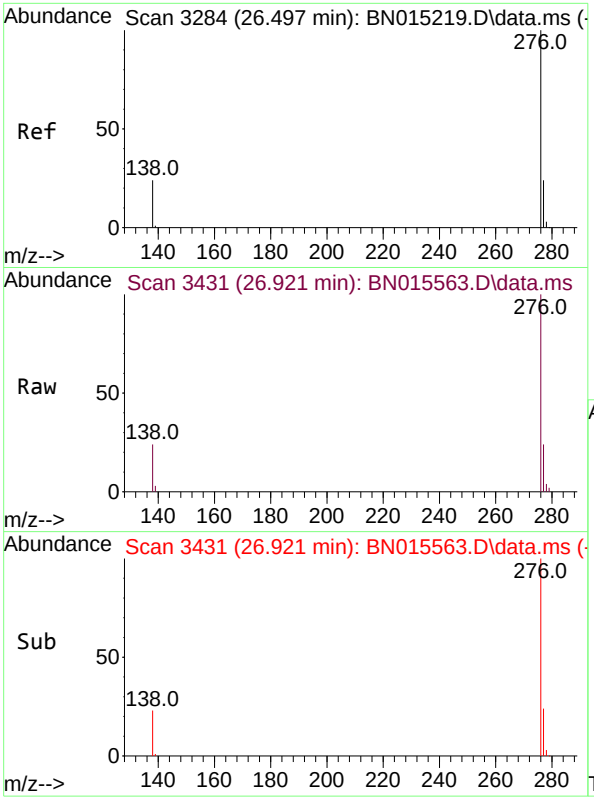


#40
Dibenzo(a,h)anthracene
Concen: 0.208 ng
RT: 26.199 min Scan# 3220
Delta R.T. 0.004 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:278 Resp: 17320

Ion	Ratio	Lower	Upper
278	100		
139	19.0	9.0	13.4#
279	24.8	21.0	31.4

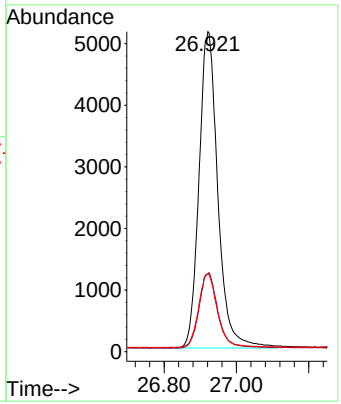




#41
Benzo(g,h,i)perylene
Concen: 0.202 ng
RT: 26.921 min Scan# 3431
Delta R.T. 0.004 min
Lab File: BN015563.D
Acq: 14 Jul 2021 14:47

Tgt Ion:276 Resp: 18570

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.7	29.5
138	24.3	9.8	14.6#



Instrument :
BNA_N
ClientSampleId :
PB137492BS