Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100821\
Data File : BN016868.D
Acq On : 09 Oct 2021 06:49
Operator : CG/JU
Sample : PB139741BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139741BS

Quant Time: Oct 11 05:36:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 15:46:07 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	22780	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	100582	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	52482	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	102843	0.400	ng	#-0.01
29) Chrysene-d12	21.206	240	108140	0.400	ng	0.00
35) Perylene-d12	23.447	264	110350	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.236	112	19746	0.347	ng	0.00
5) Phenol-d6	6.794	99	22118	0.342	ng	0.00
8) Nitrobenzene-d5	8.746	82	22218	0.315	ng	-0.01
11) 2-Methylnaphthalene-d10	11.976	152	53188	0.355	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	8318	0.306	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	75474	0.356	ng	-0.01
27) Fluoranthene-d10	19.038	212	98181	0.344	ng	0.00
31) Terphenyl-d14	19.654	244	86652	0.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.216	88	3355	0.329	ng	# 73
3) n-Nitrosodimethylamine	3.567	42	6510	0.364	ng	96
6) bis(2-Chloroethyl)ether	7.052	93	23045	0.366	ng	99
9) Naphthalene	10.432	128	97013	0.354	ng	99
10) Hexachlorobutadiene	10.711	225	18816	0.359	ng	# 100
12) 2-Methylnaphthalene	12.047	142	63172	0.360	ng	100
16) Acenaphthylene	13.964	152	78009	0.337	ng	100
17) Acenaphthene	14.307	154	55416	0.360	ng	100
18) Fluorene	15.296	166	66423	0.355	ng	99
20) 4,6-Dinitro-2-methylph...	15.385	198	1535	0.262	ng	# 73
21) 4-Bromophenyl-phenylether	16.202	248	21950	0.342	ng	# 87
22) Hexachlorobenzene	16.299	284	25895	0.354	ng	99
23) Atrazine	16.482	200	14444	0.284	ng	97
24) Pentachlorophenol	16.652	266	7715	0.327	ng	99
25) Phenanthrene	17.042	178	109396	0.358	ng	100
26) Anthracene	17.127	178	90234	0.333	ng	100
28) Fluoranthene	19.073	202	123746	0.361	ng	100
30) Pyrene	19.435	202	124156	0.373	ng	100
32) Benzo(a)anthracene	21.196	228	117493	0.351	ng	97
33) Chrysene	21.238	228	131209	0.385	ng	100
34) Bis(2-ethylhexyl)phtha...	21.142	149	44001	0.259	ng	100
36) Indeno(1,2,3-cd)pyrene	25.713	276	144579	0.346	ng	99
37) Benzo(b)fluoranthene	22.772	252	132496	0.379	ng	99
38) Benzo(k)fluoranthene	22.817	252	131209	0.386	ng	99
39) Benzo(a)pyrene	23.348	252	116735	0.366	ng	99
40) Dibenzo(a,h)anthracene	25.726	278	117372	0.343	ng	99
41) Benzo(g,h,i)perylene	26.397	276	122255	0.336	ng	99

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 15:46:07 2021
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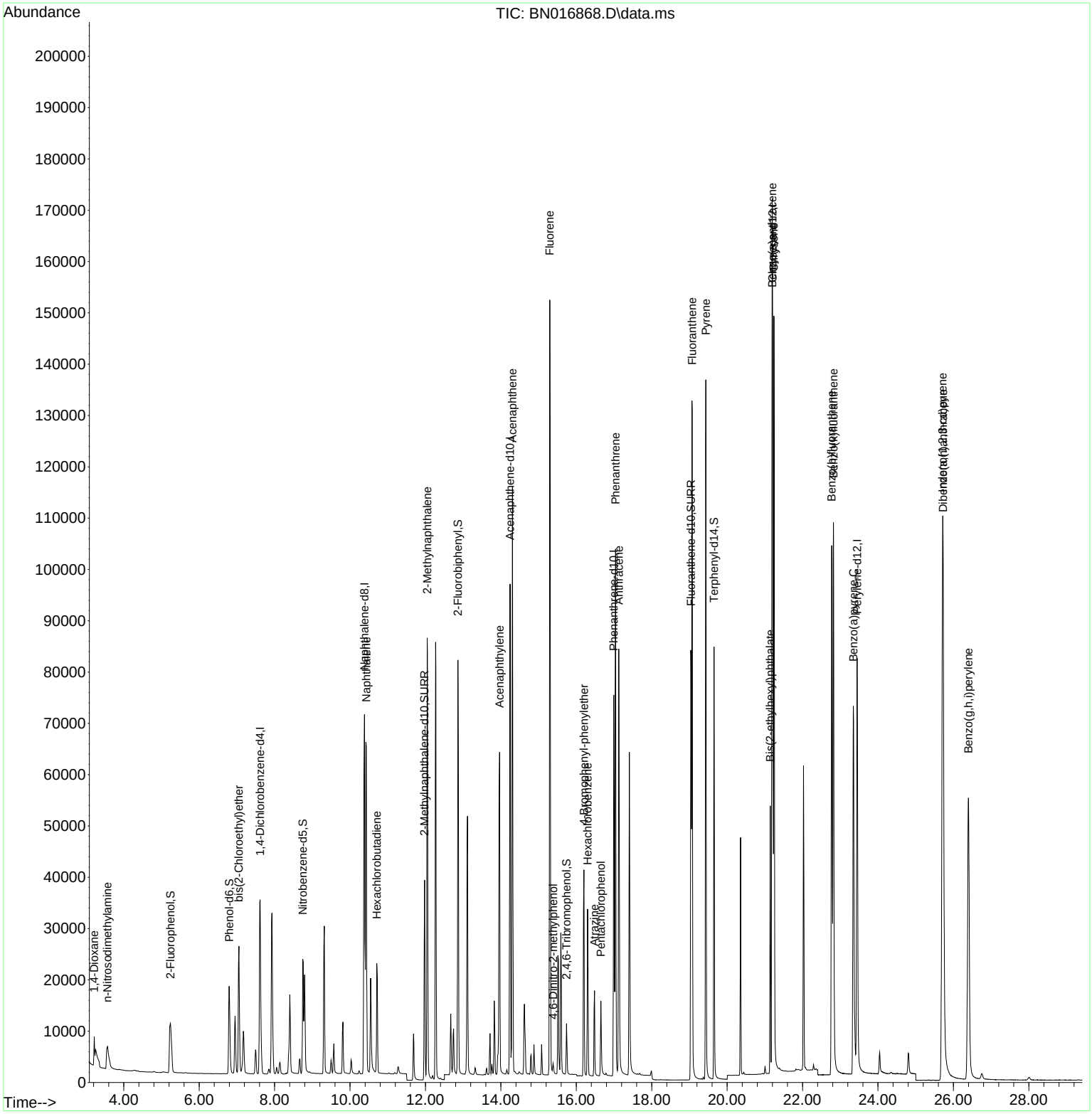

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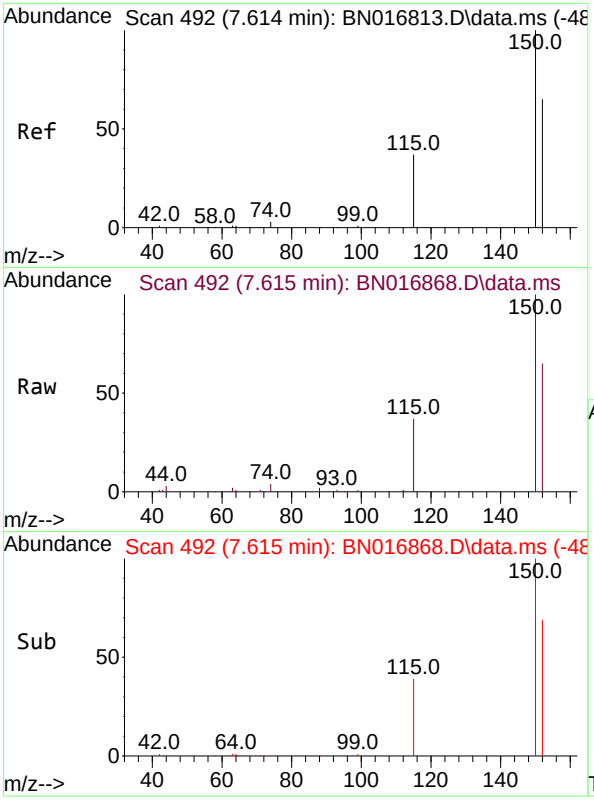
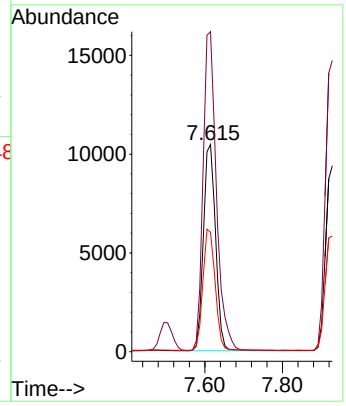
PB139741BS

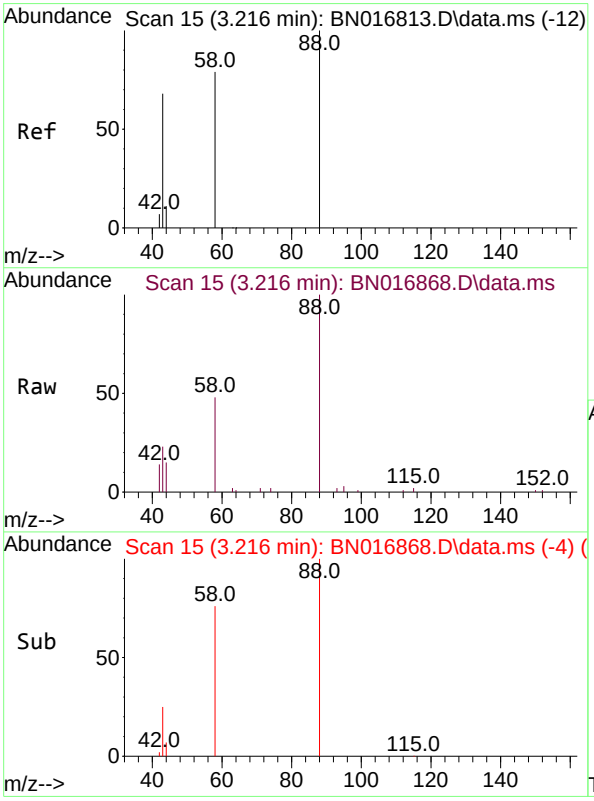


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:152 Resp: 22780

Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.3	184.9
115	57.6	47.0	70.6

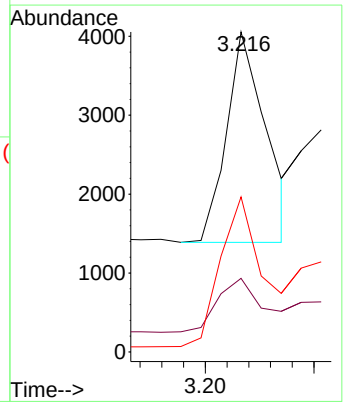




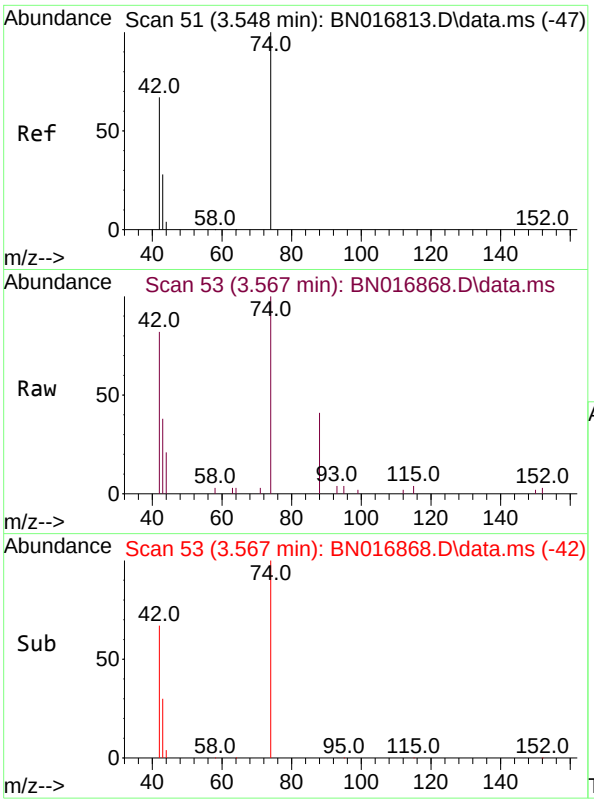
#2
1,4-Dioxane
Concen: 0.329 ng
RT: 3.216 min Scan# 15
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion: 88 Resp: 3355

Ion	Ratio	Lower	Upper
88	100		
43	29.9	61.7	92.5#
58	78.2	62.2	93.2



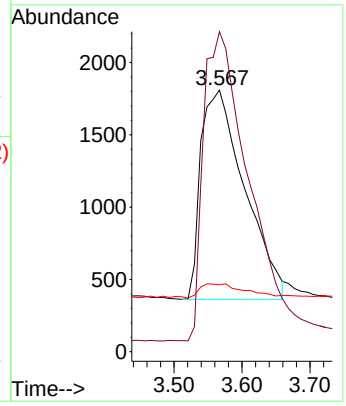
Instrument :
BNA_N
ClientSampleId :
PB139741BS

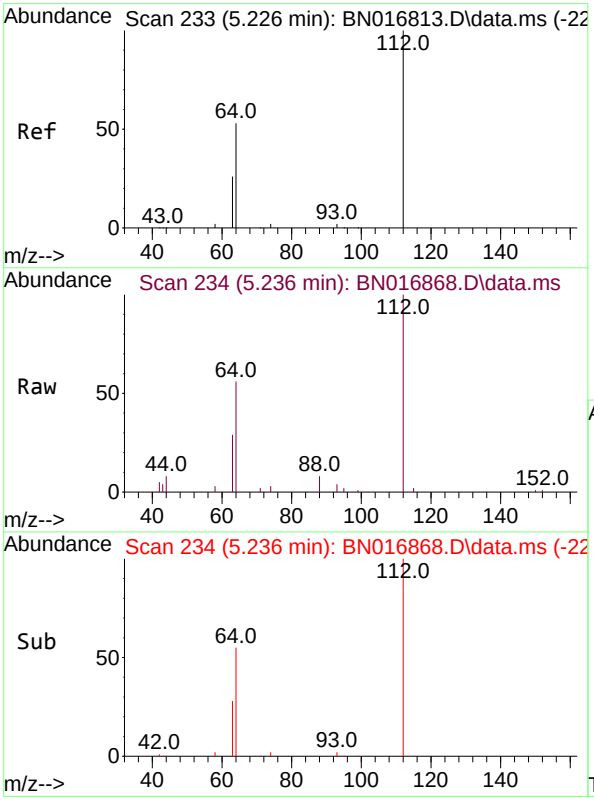


#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.567 min Scan# 53
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion: 42 Resp: 6510

Ion	Ratio	Lower	Upper
42	100		
74	149.7	124.0	186.0
44	7.0	5.6	8.4

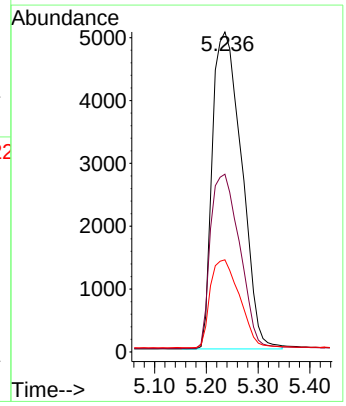




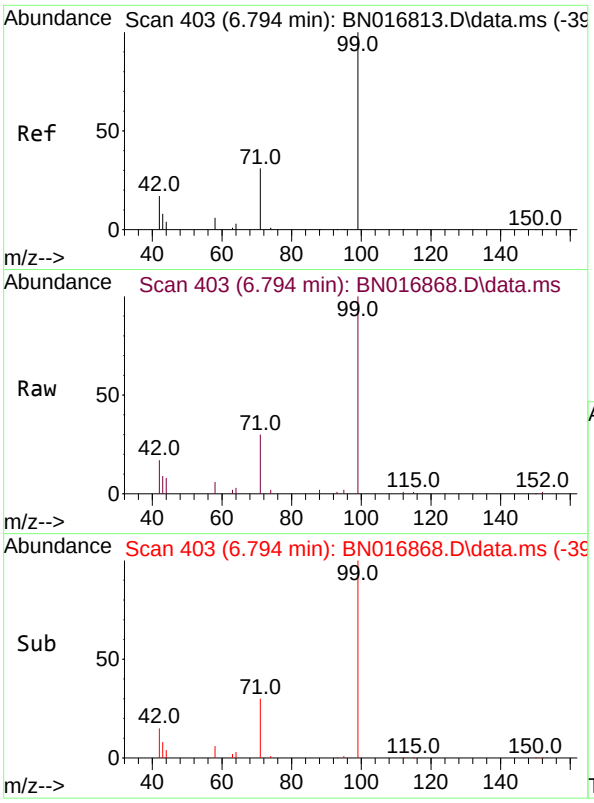
#4
2-Fluorophenol
Concen: 0.347 ng
RT: 5.236 min Scan# 234
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:112 Resp: 19746

Ion	Ratio	Lower	Upper
112	100		
64	55.3	42.9	64.3
63	27.7	21.5	32.3



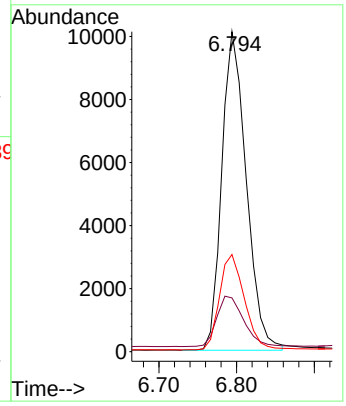
Instrument :
BNA_N
ClientSampleId :
PB139741BS

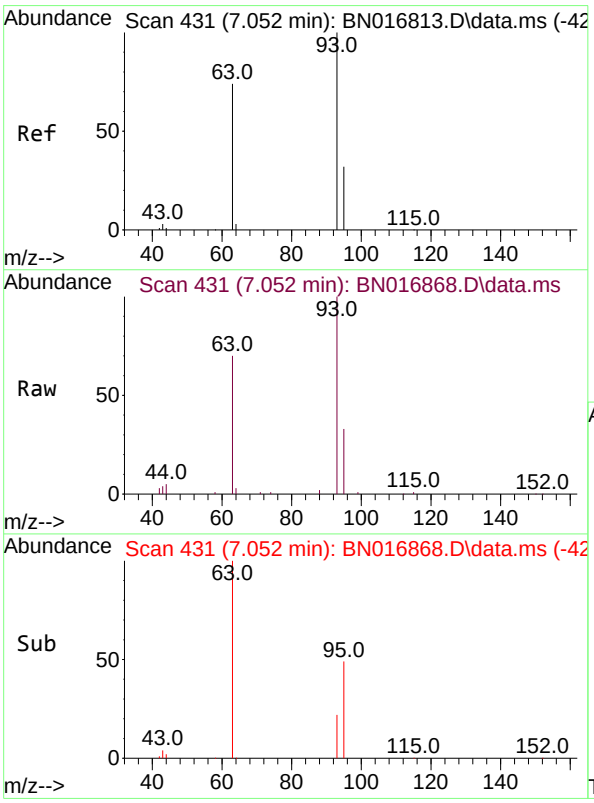


#5
Phenol-d6
Concen: 0.342 ng
RT: 6.794 min Scan# 403
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion: 99 Resp: 22118

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.4	20.2
71	30.5	24.0	36.0

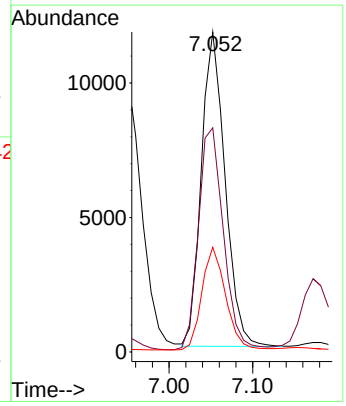




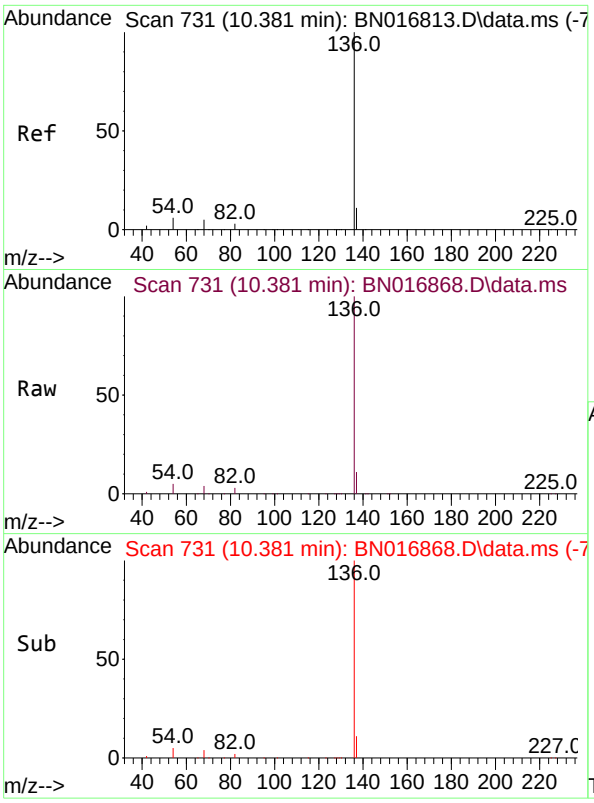
#6
bis(2-Chloroethyl)ether
Concen: 0.366 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion: 93 Resp: 23045

Ion	Ratio	Lower	Upper
93	100		
63	74.6	59.0	88.6
95	33.0	26.4	39.6



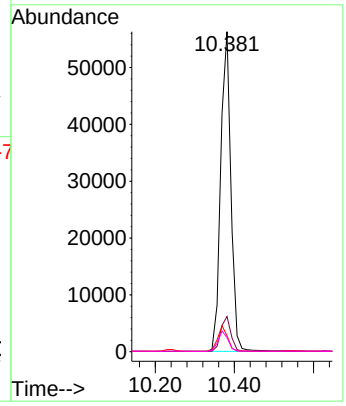
Instrument :
BNA_N
ClientSampleId :
PB139741BS

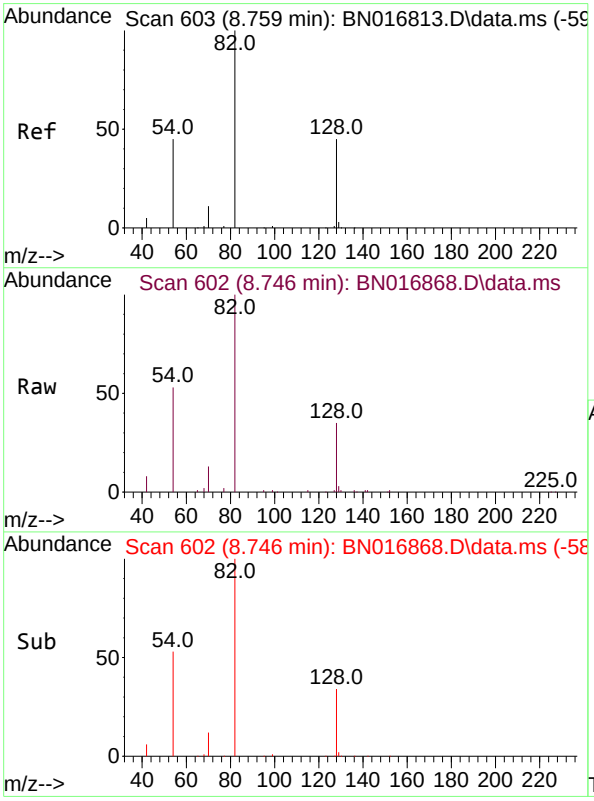


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:136 Resp: 100582

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.0	6.5	9.7#
68	4.4	5.3	7.9#

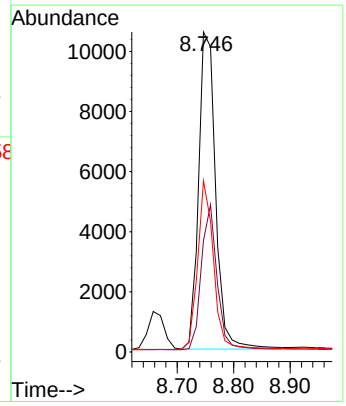




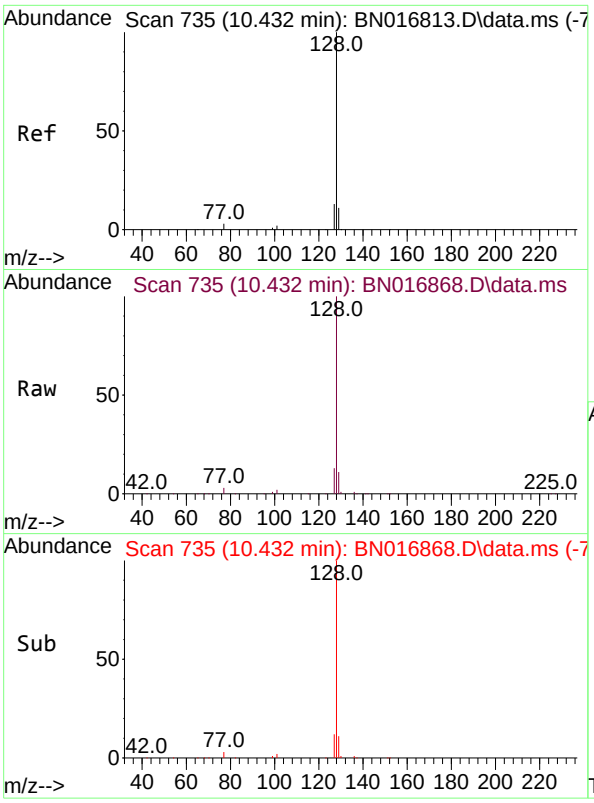
#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.746 min Scan# 602
Delta R.T. -0.012 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion: 82 Resp: 22218

Ion	Ratio	Lower	Upper
82	100		
128	34.8	33.8	50.6
54	53.5	38.5	57.7



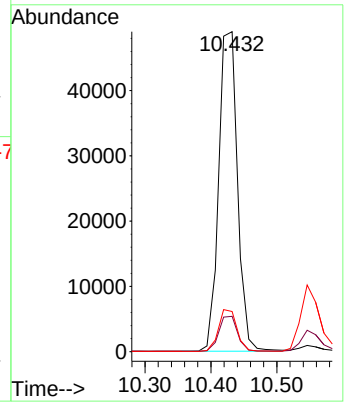
Instrument :
BNA_N
ClientSampleId :
PB139741BS

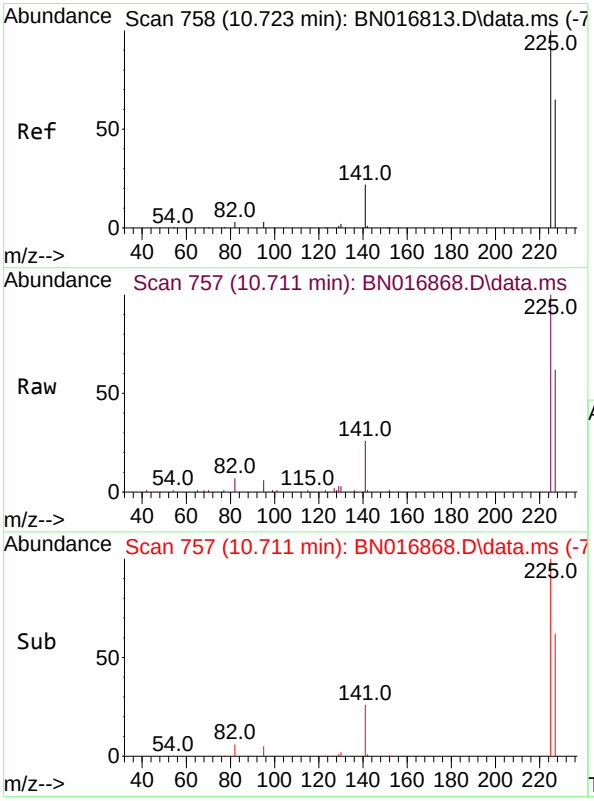


#9
Naphthalene
Concen: 0.354 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:128 Resp: 97013

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.6	10.3	15.5

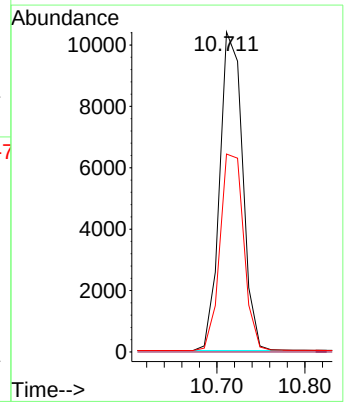


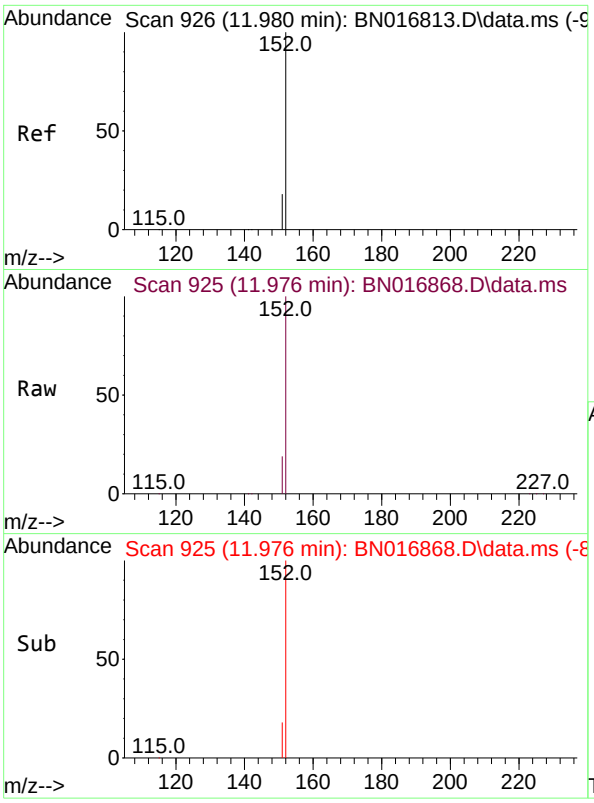


#10
Hexachlorobutadiene
Concen: 0.359 ng
RT: 10.711 min Scan# 757
Delta R.T. -0.012 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:225 Resp: 18816

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.1	76.7

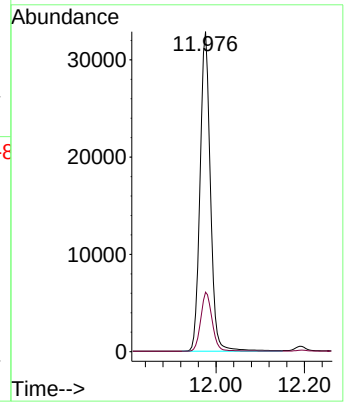




#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:152 Resp: 53188

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4



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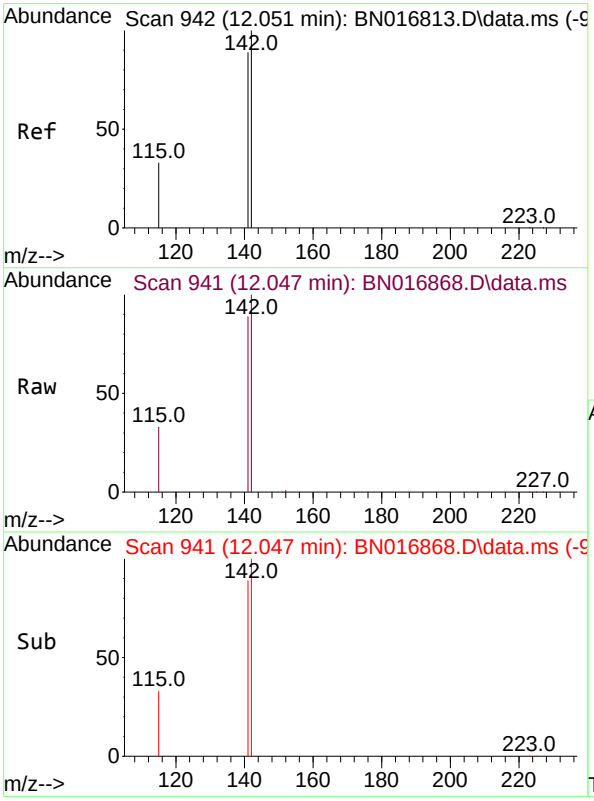
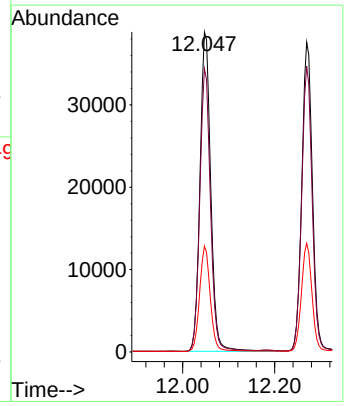


#12
2-Methylnaphthalene
Concen: 0.360 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.004 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:142 Resp: 63172

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	106.0
115	33.1	26.1	39.1



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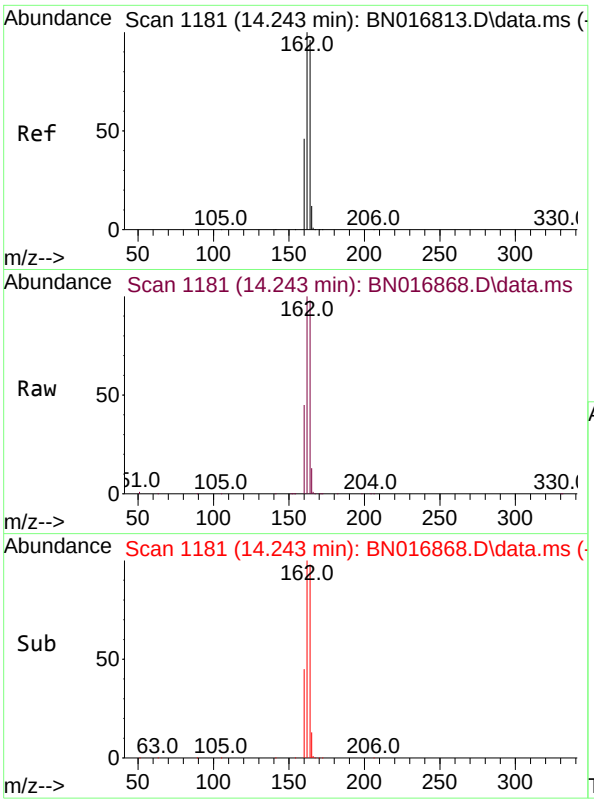
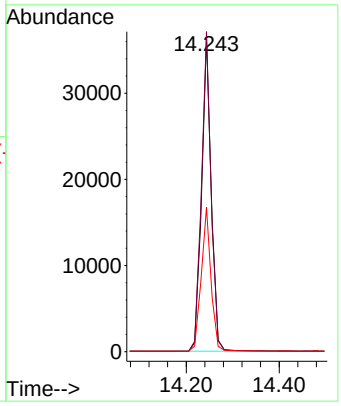
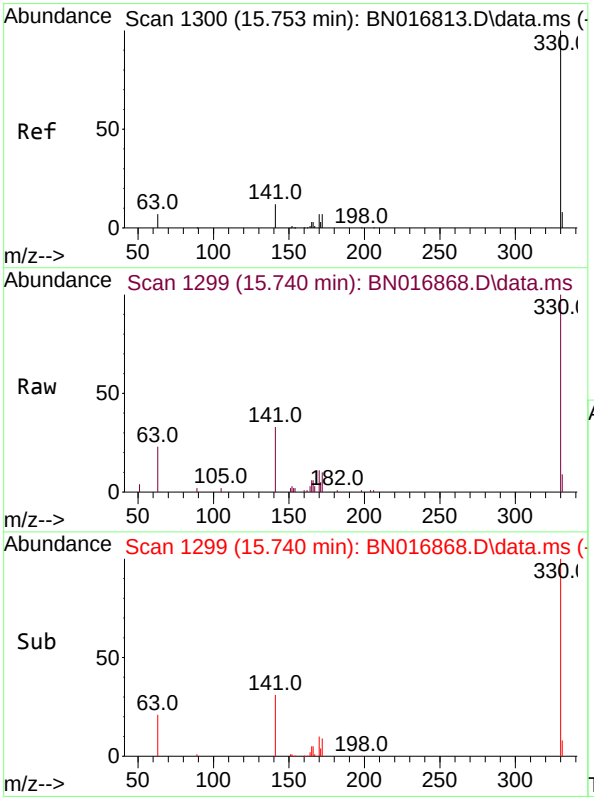


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:164 Resp: 52482

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	124.0
160	45.9	38.2	57.2

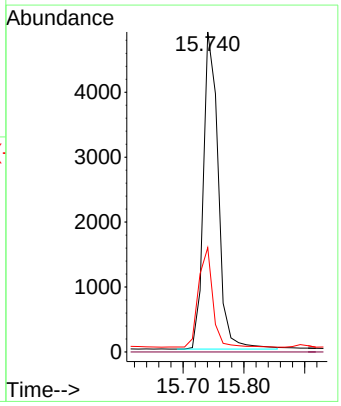




#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:330 Resp: 8318

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	24.2	36.2



Instrument :
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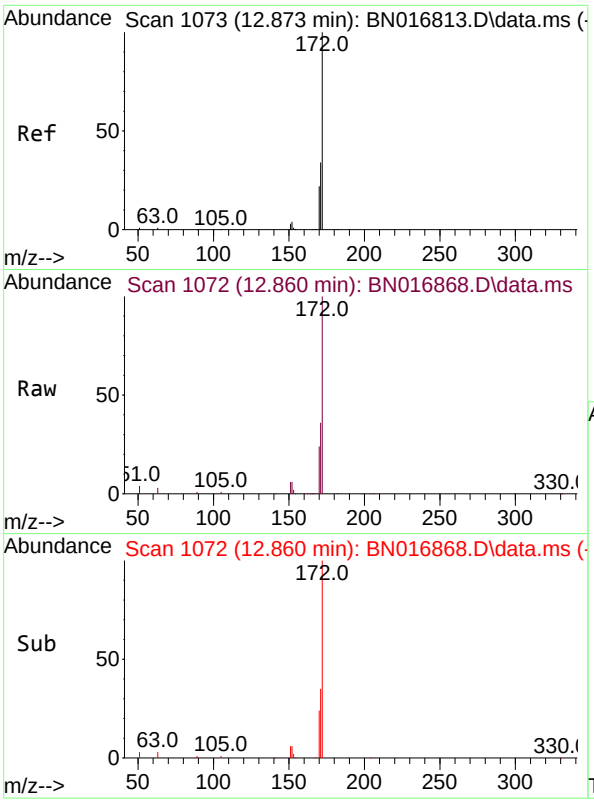
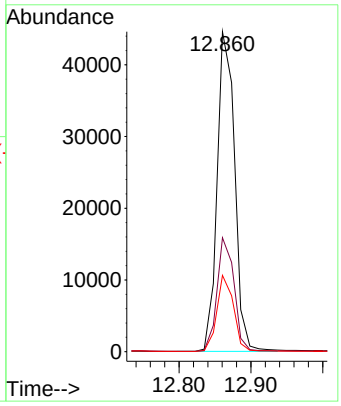
PB139741BS

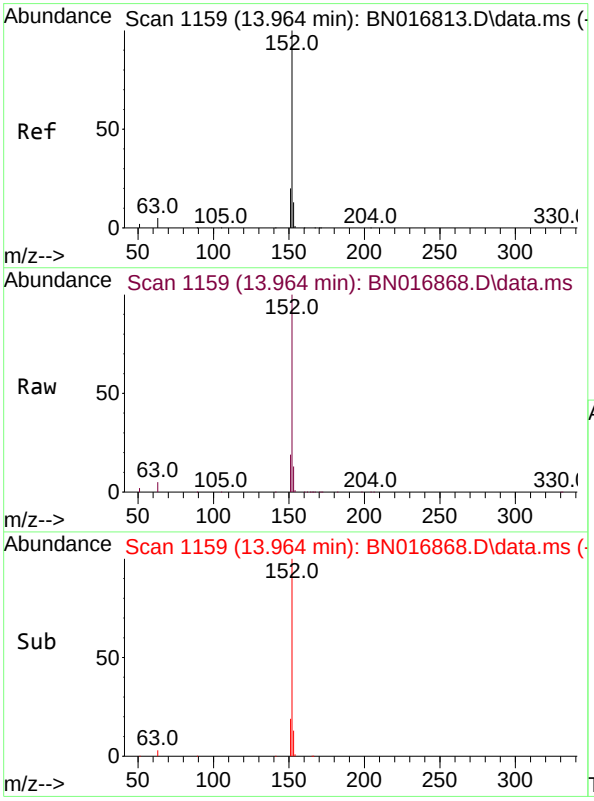


#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.012 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:172 Resp: 75474

Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.9	40.3
170	23.9	17.4	26.0

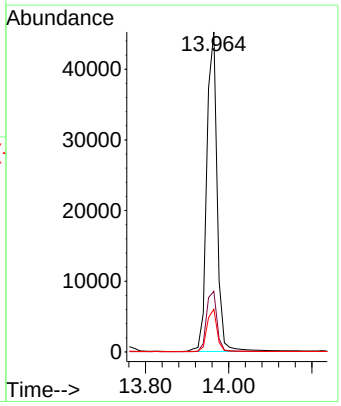




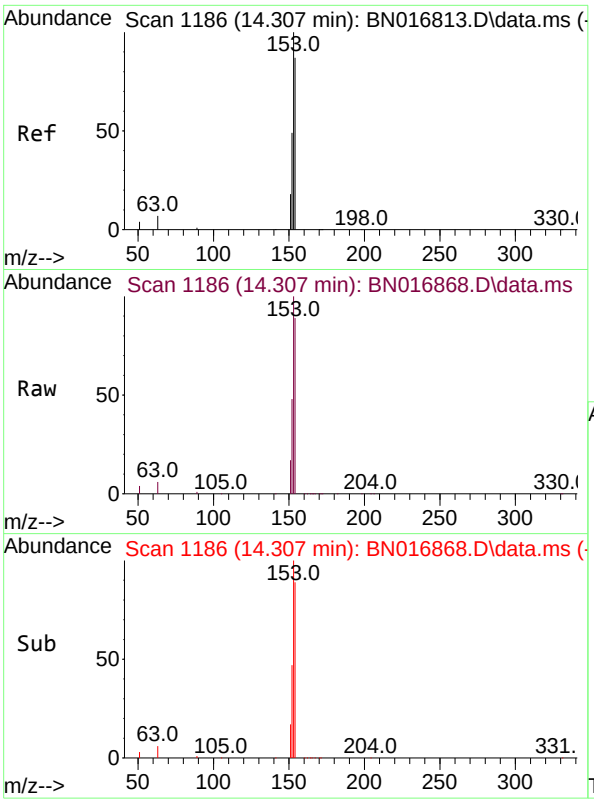
#16
Acenaphthylene
Concen: 0.337 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:152 Resp: 78009

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



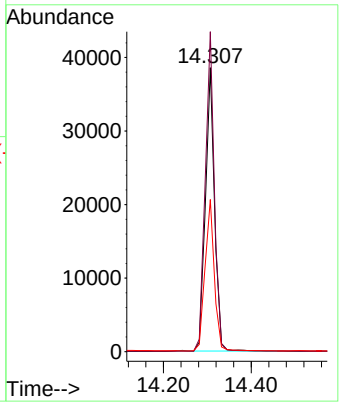
Instrument :
BNA_N
ClientSampleId :
PB139741BS

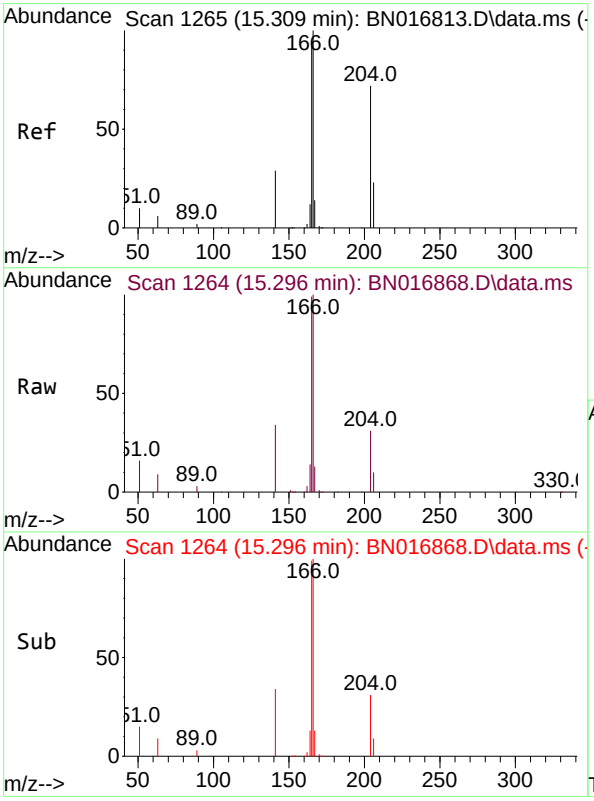


#17
Acenaphthene
Concen: 0.360 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:154 Resp: 55416

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.1	135.1
152	54.5	43.6	65.4

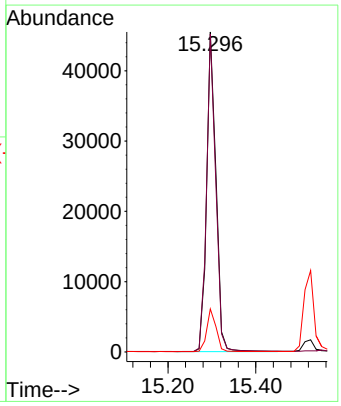




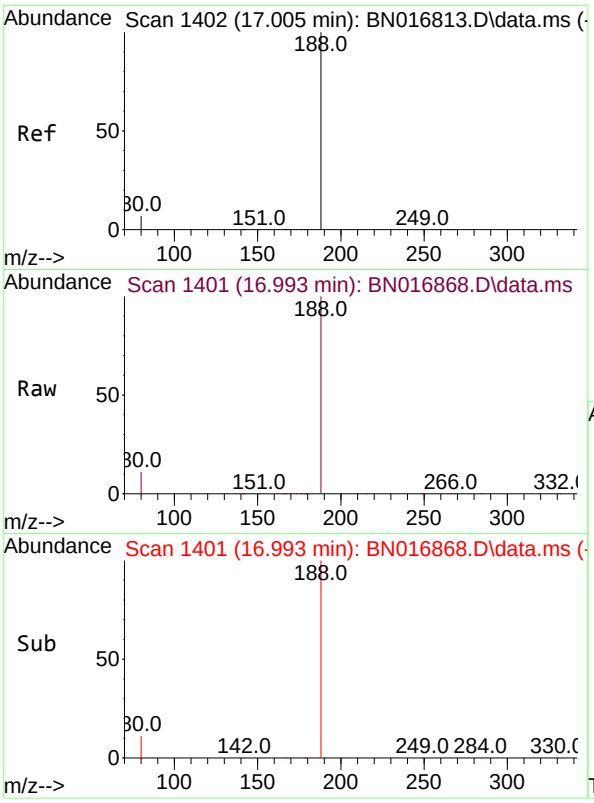
#18
Fluorene
Concen: 0.355 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:166 Resp: 66423

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.1	117.1
167	13.6	10.7	16.1



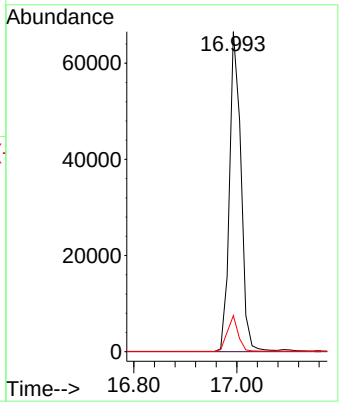
Instrument :
BNA_N
ClientSampleId :
PB139741BS

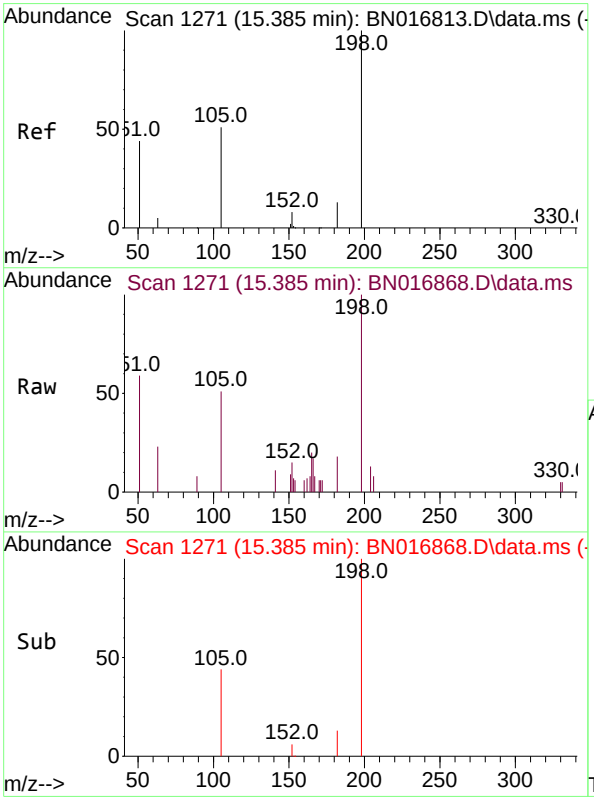


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:188 Resp: 102843

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	5.8	8.8#

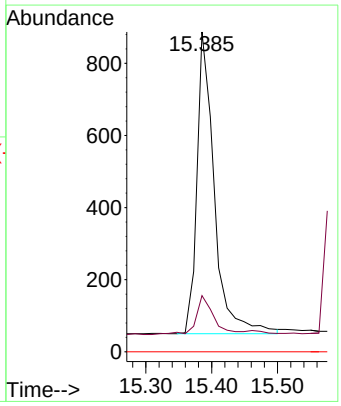




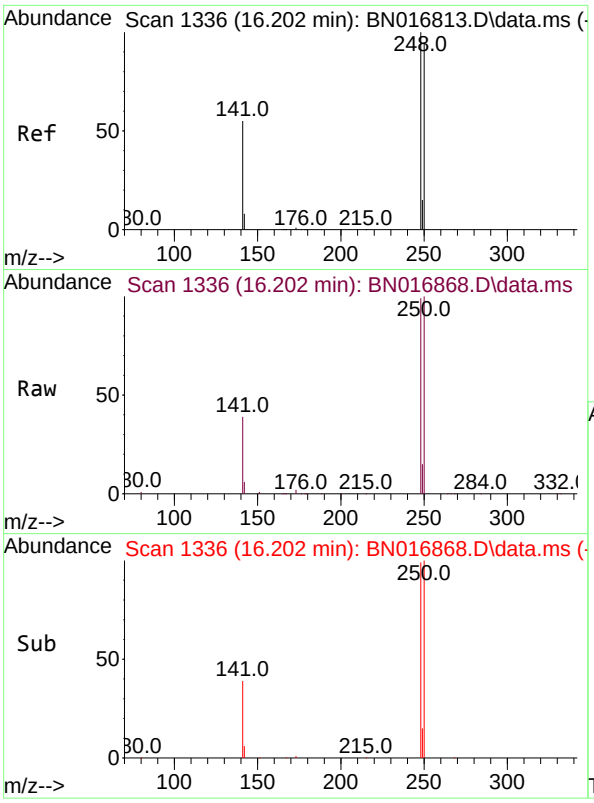
#20
4,6-Dinitro-2-methylphenol
Concen: 0.262 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:198 Resp: 1535

Ion	Ratio	Lower	Upper
198	100		
182	17.6	26.2	39.2#
77	0.0	0.0	0.0



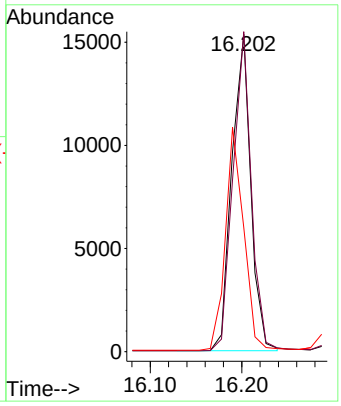
Instrument :
BNA_N
ClientSampleId :
PB139741BS

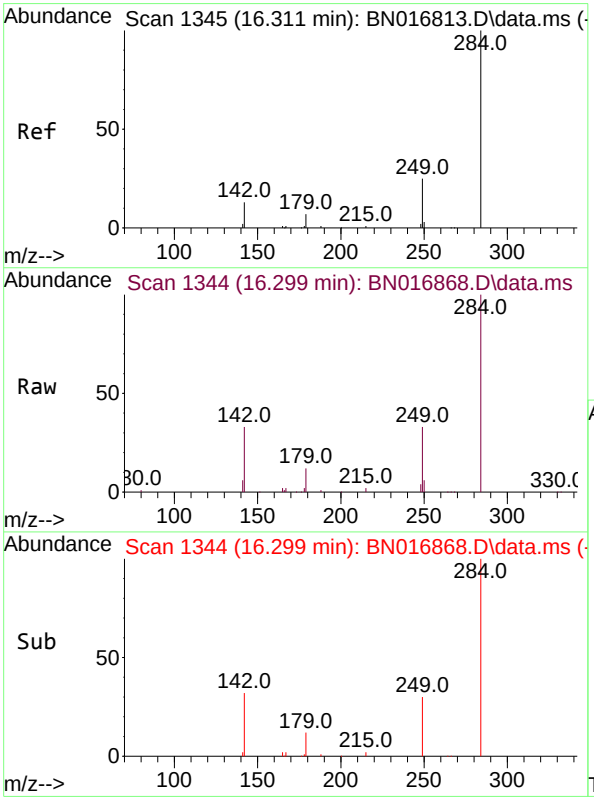


#21
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 16.202 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:248 Resp: 21950

Ion	Ratio	Lower	Upper
248	100		
250	100.8	76.2	114.4
141	39.2	45.6	68.4#

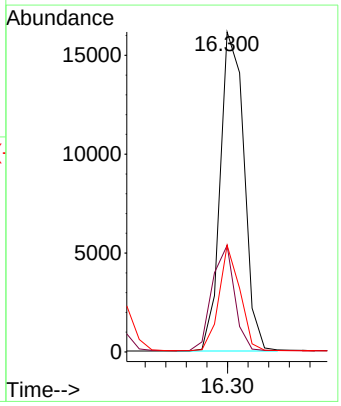




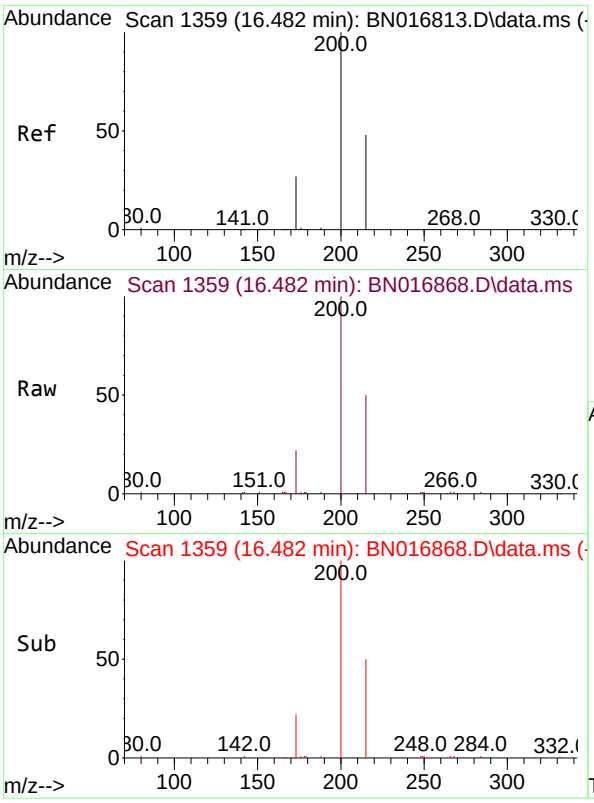
#22
Hexachlorobenzene
Concen: 0.354 ng
RT: 16.299 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:284 Resp: 25895

Ion	Ratio	Lower	Upper
284	100		
142	31.1	25.8	38.6
249	29.0	23.3	34.9



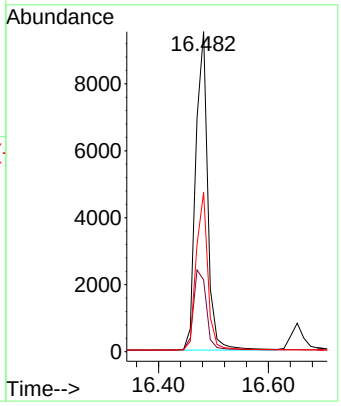
Instrument :
BNA_N
ClientSampleId :
PB139741BS

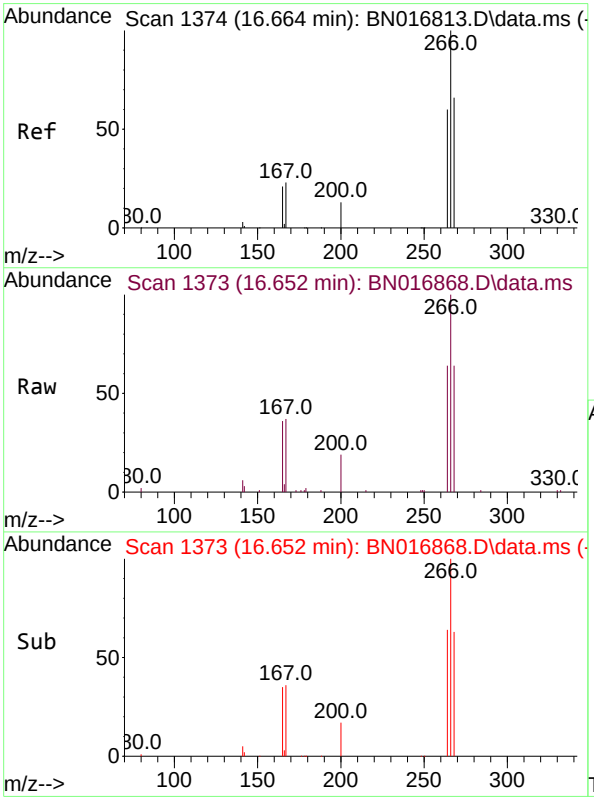


#23
Atrazine
Concen: 0.284 ng
RT: 16.482 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:200 Resp: 14444

Ion	Ratio	Lower	Upper
200	100		
173	22.4	20.1	30.1
215	49.7	38.8	58.2

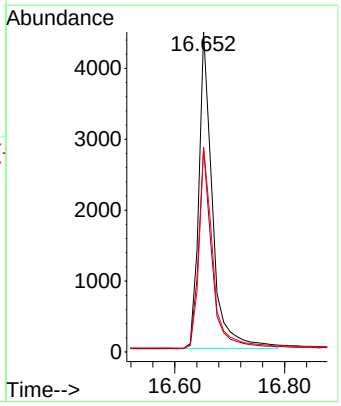




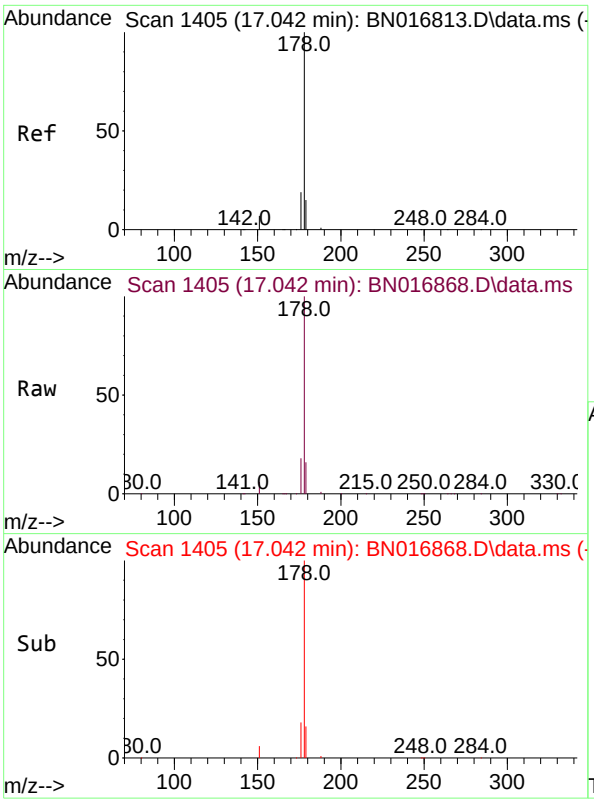
#24
Pentachlorophenol
Concen: 0.327 ng
RT: 16.652 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:266 Resp: 7715

Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.3	73.9
268	64.3	51.8	77.8



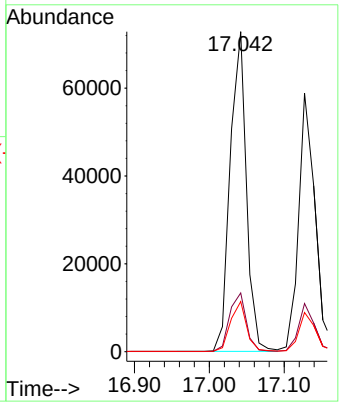
Instrument :
BNA_N
ClientSampleId :
PB139741BS

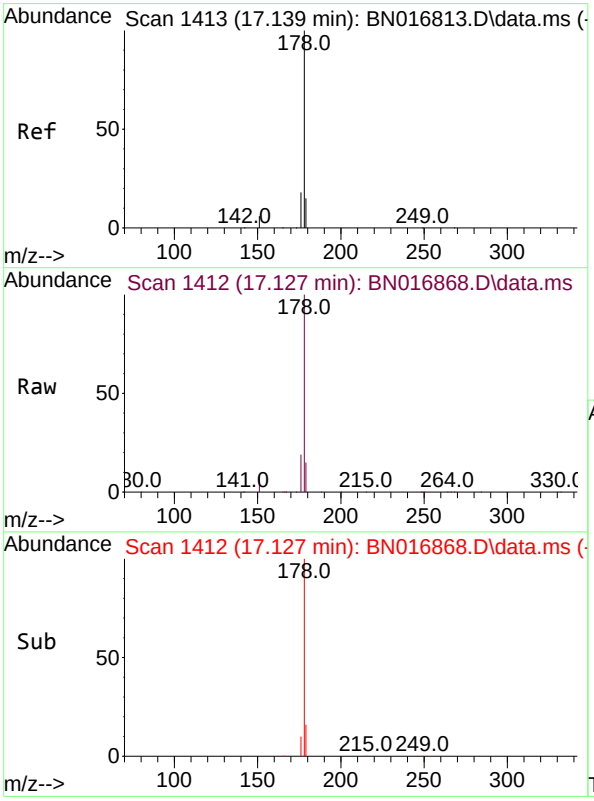


#25
Phenanthrene
Concen: 0.358 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:178 Resp: 109396

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.6	12.4	18.6

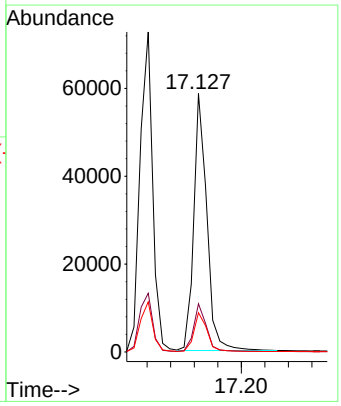




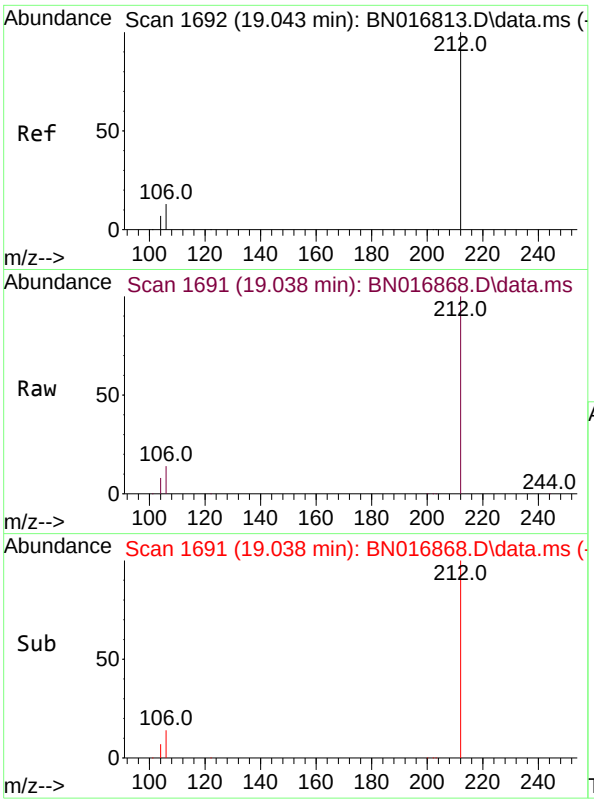
#26
Anthracene
Concen: 0.333 ng
RT: 17.127 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:178 Resp: 90234

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.2	12.2	18.4



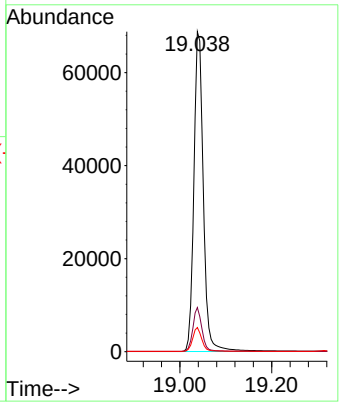
Instrument :
BNA_N
ClientSampleId :
PB139741BS

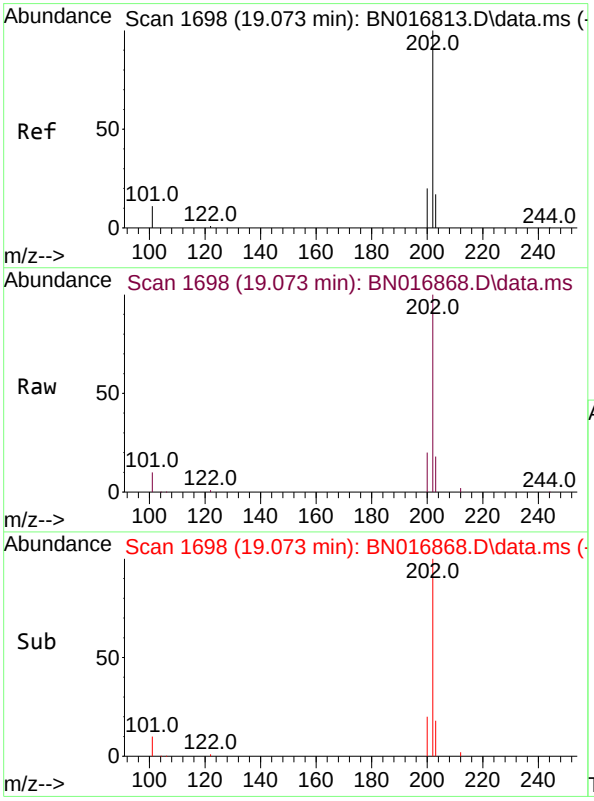


#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.038 min Scan# 1691
Delta R.T. -0.005 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:212 Resp: 98181

Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.6	16.0
104	7.3	5.8	8.8

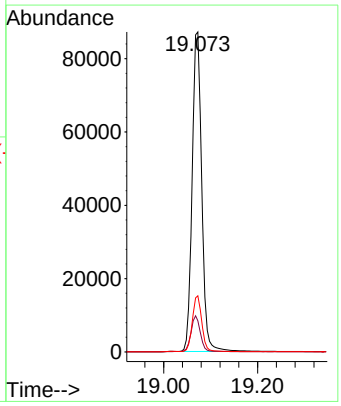




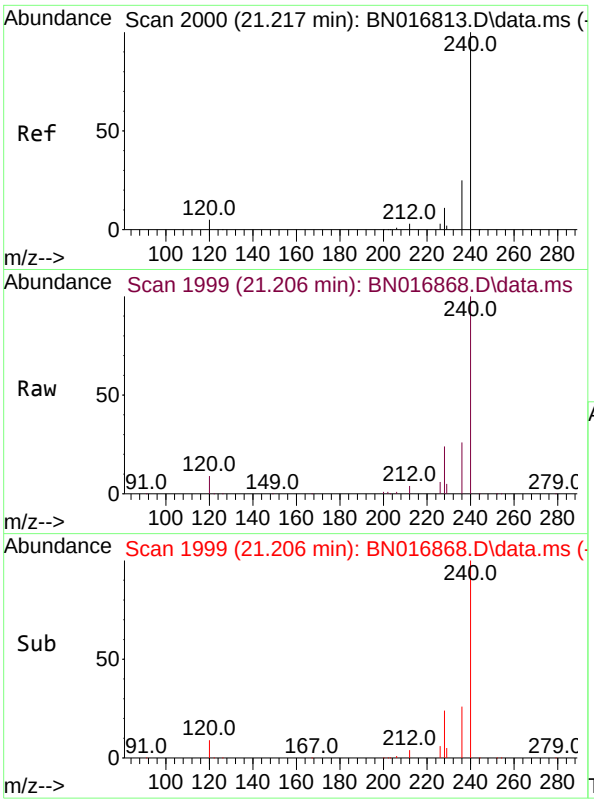
#28
Fluoranthene
Concen: 0.361 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:202 Resp: 123746

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
203	17.3	13.8	20.8



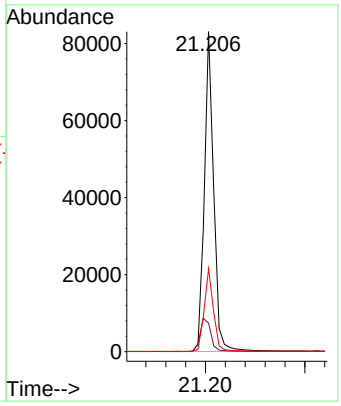
Instrument :
BNA_N
ClientSampleId :
PB139741BS

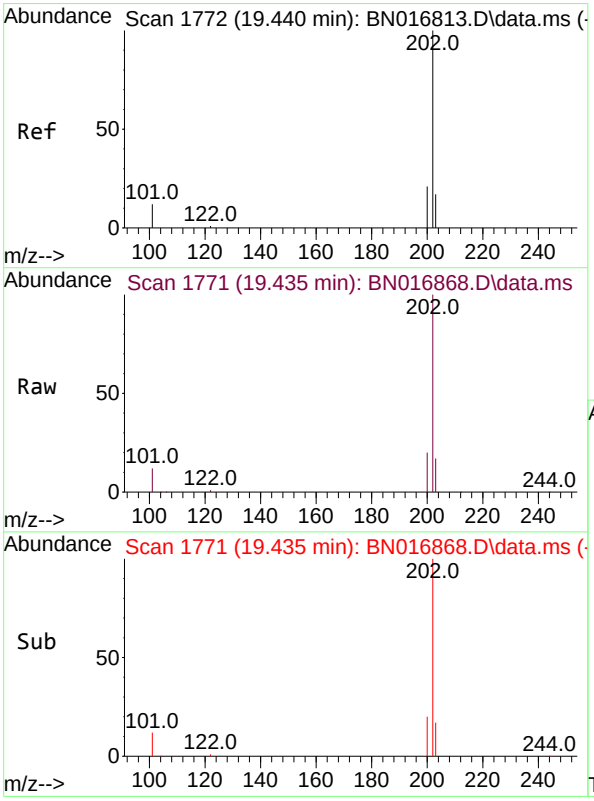


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.206 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:240 Resp: 108140

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.6	10.0
236	26.0	20.7	31.1

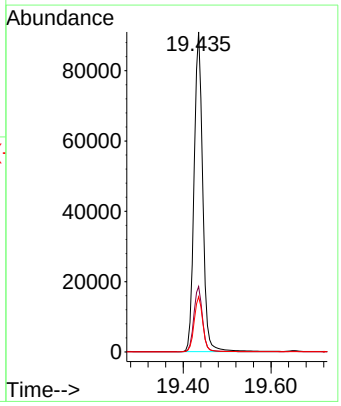




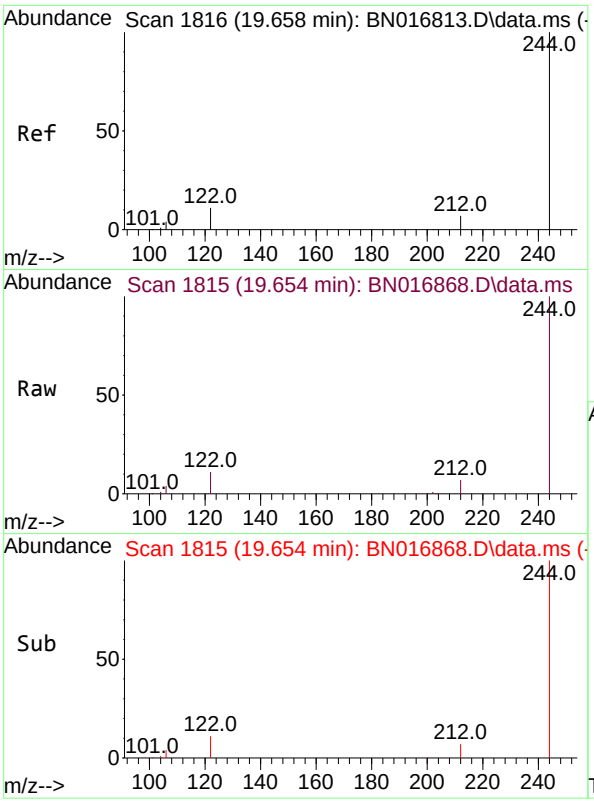
#30
Pyrene
Concen: 0.373 ng
RT: 19.435 min Scan# 1771
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:202 Resp: 124156

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	13.9	20.9



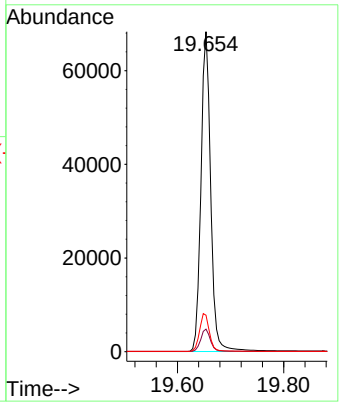
Instrument :
BNA_N
ClientSampleId :
PB139741BS

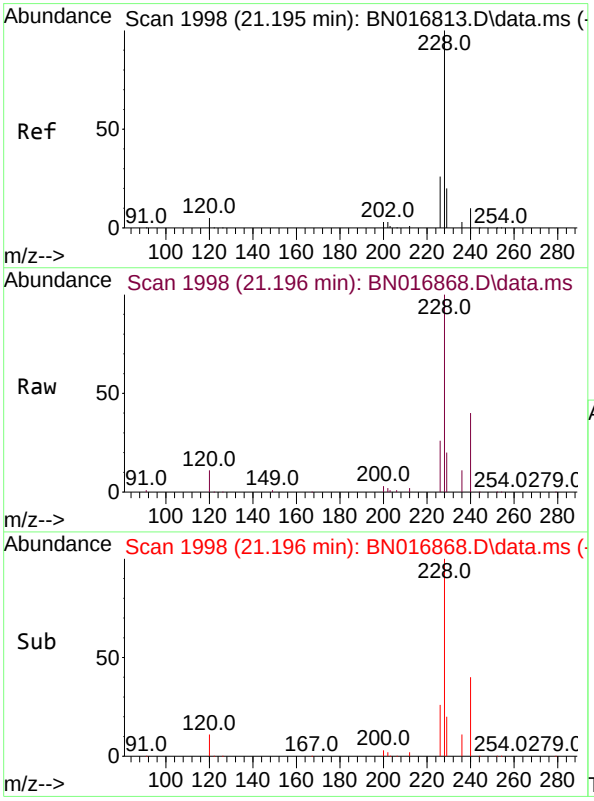


#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.654 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:244 Resp: 86652

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.4	8.9	13.3

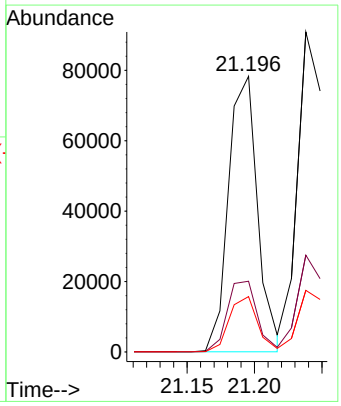




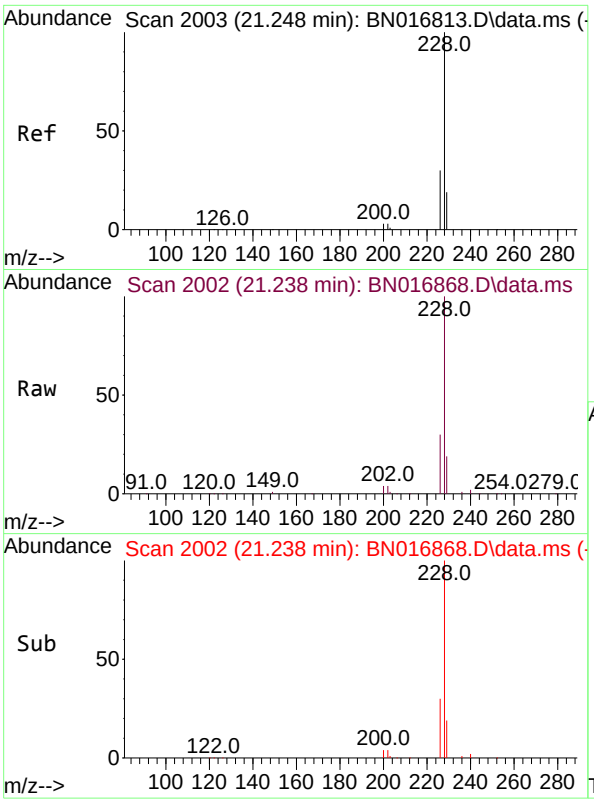
#32
Benzo(a)anthracene
Concen: 0.351 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:228 Resp: 117493

Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.3	33.5
229	20.1	15.4	23.0



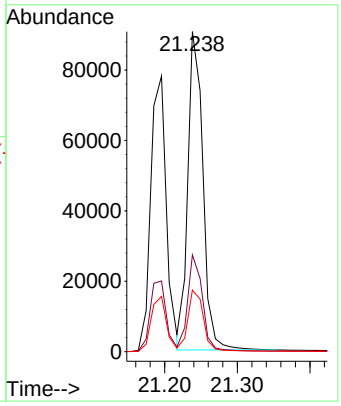
Instrument :
BNA_N
ClientSampleId :
PB139741BS

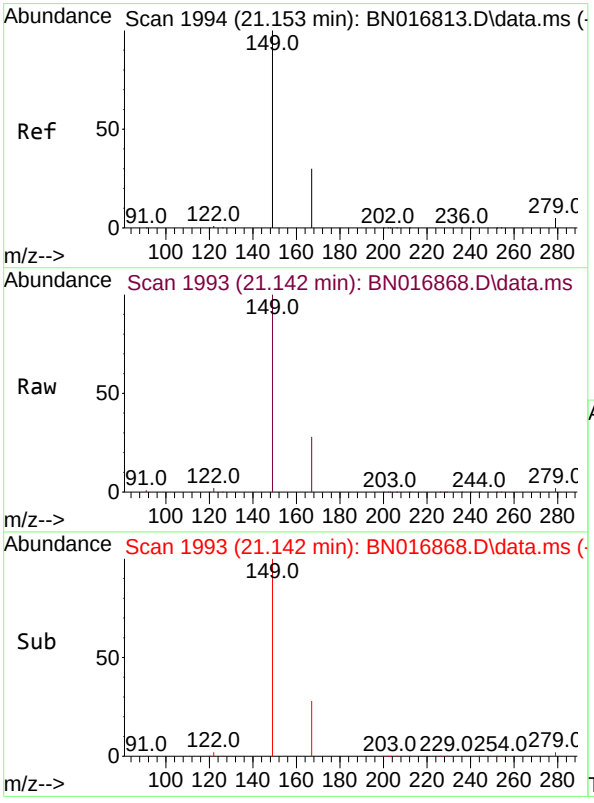


#33
Chrysene
Concen: 0.385 ng
RT: 21.238 min Scan# 2002
Delta R.T. -0.010 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:228 Resp: 131209

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	19.2	15.4	23.0

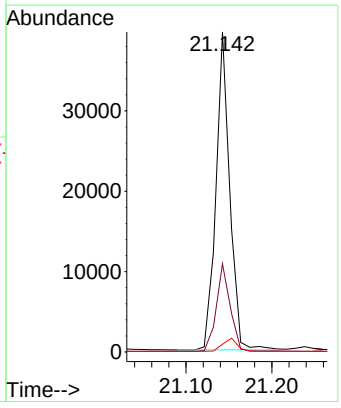




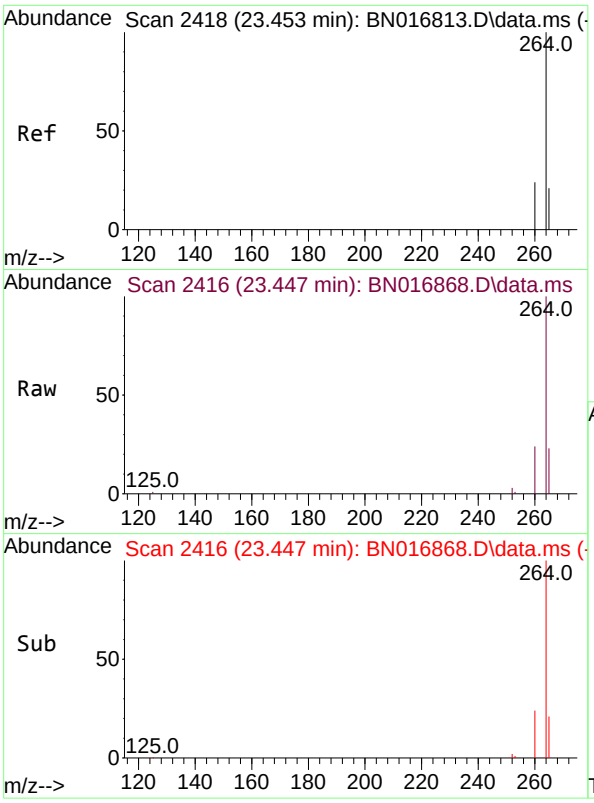
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.259 ng
RT: 21.142 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:149 Resp: 44001

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	4.3	3.4	5.2



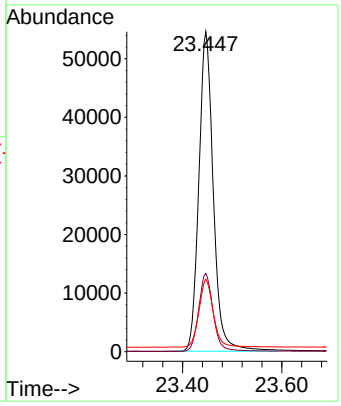
Instrument :
BNA_N
ClientSampleId :
PB139741BS

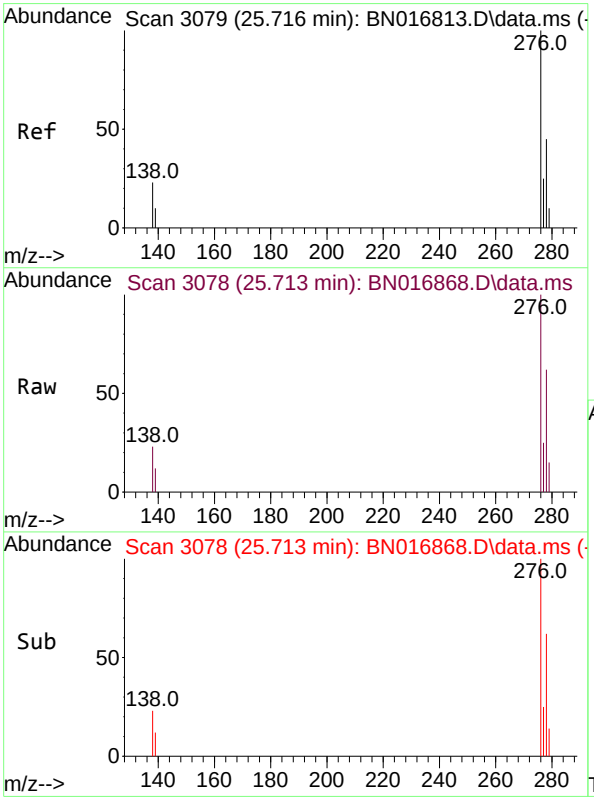


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.447 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:264 Resp: 110350

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	22.6	20.3	30.5

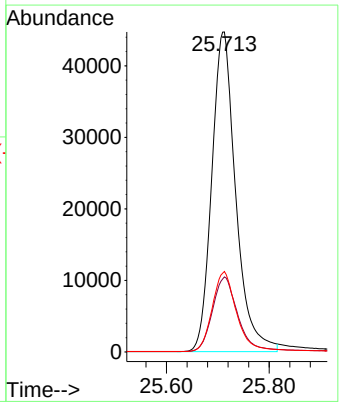




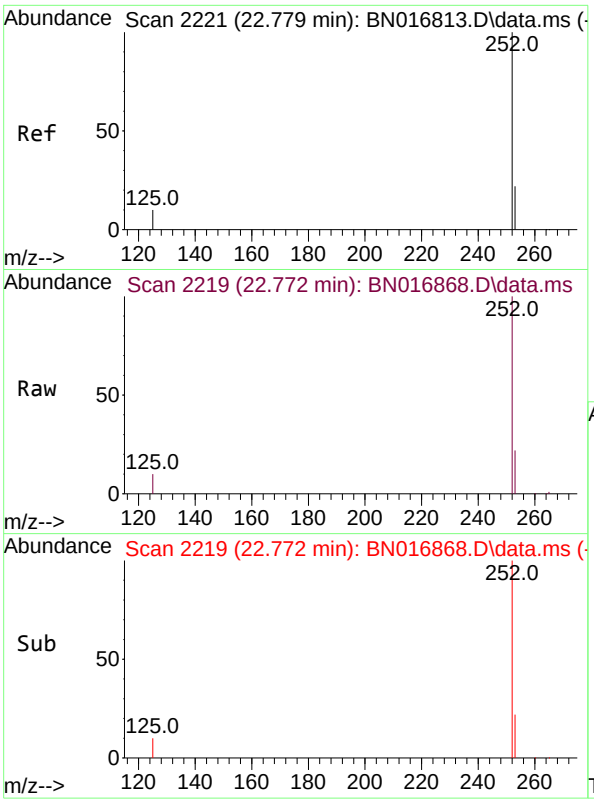
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.346 ng
RT: 25.713 min Scan# 3078
Delta R.T. -0.003 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:276 Resp: 144579

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



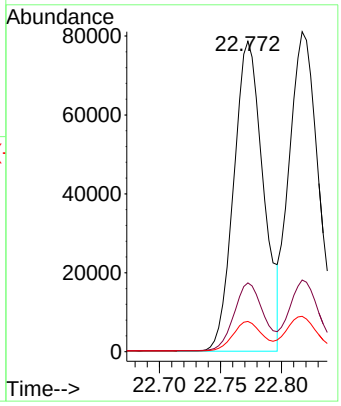
Instrument :
BNA_N
ClientSampleId :
PB139741BS

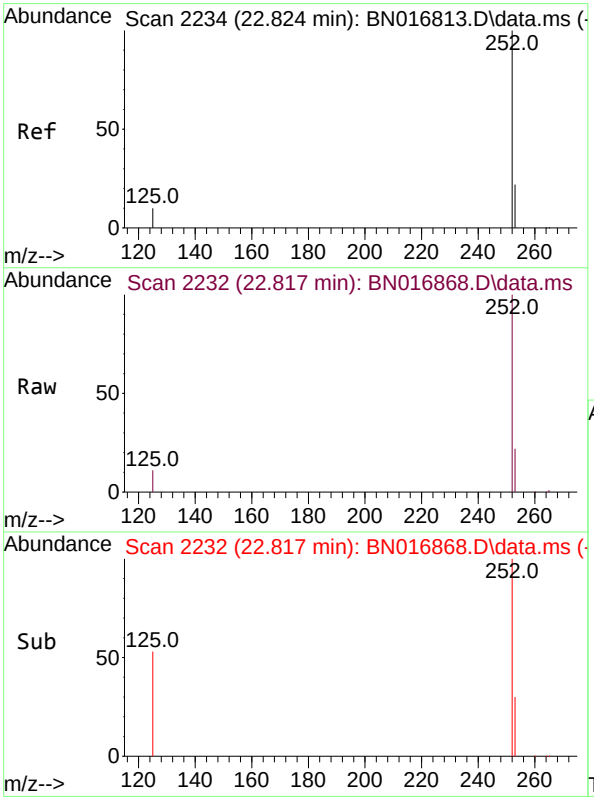


#37
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.772 min Scan# 2219
Delta R.T. -0.007 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:252 Resp: 132496

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.7	8.3	12.5

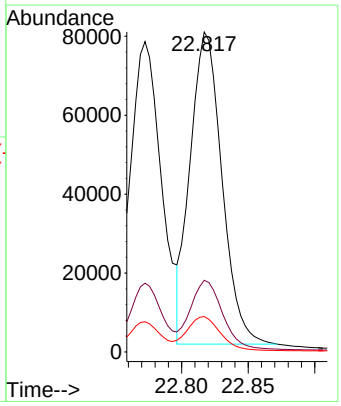




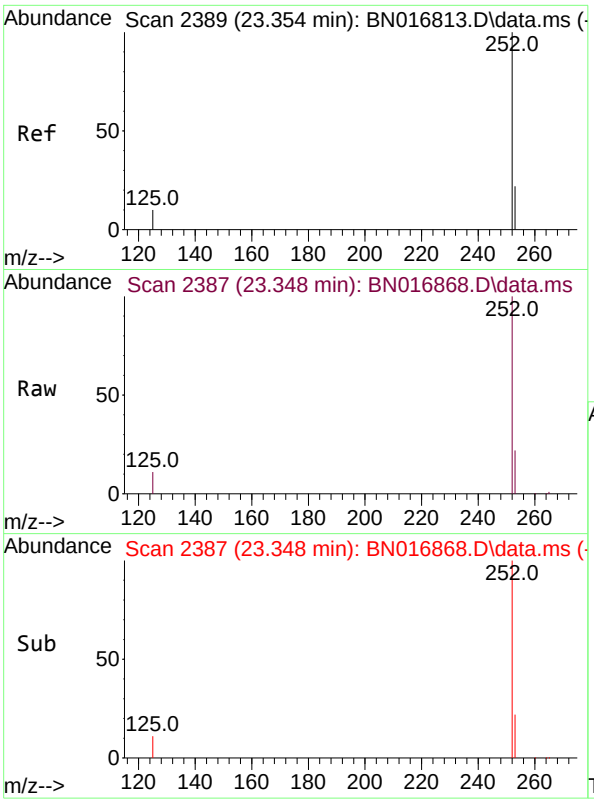
#38
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 22.817 min Scan# 2232
Delta R.T. -0.007 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:252 Resp: 131209

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.1	8.5	12.7



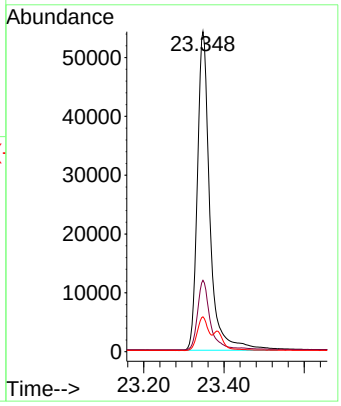
Instrument :
BNA_N
ClientSampleId :
PB139741BS

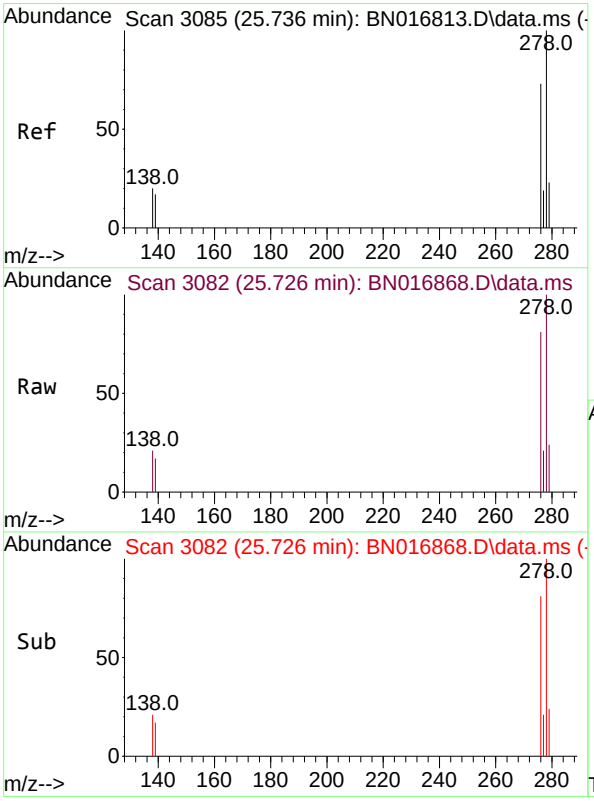


#39
Benzo(a)pyrene
Concen: 0.366 ng
RT: 23.348 min Scan# 2387
Delta R.T. -0.006 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:252 Resp: 116735

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.9	9.4	14.2

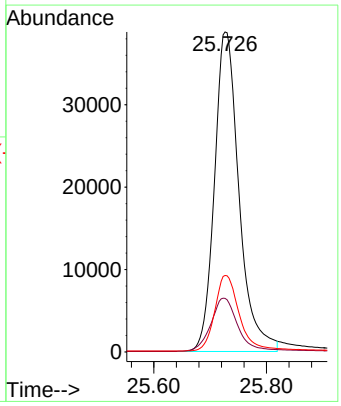


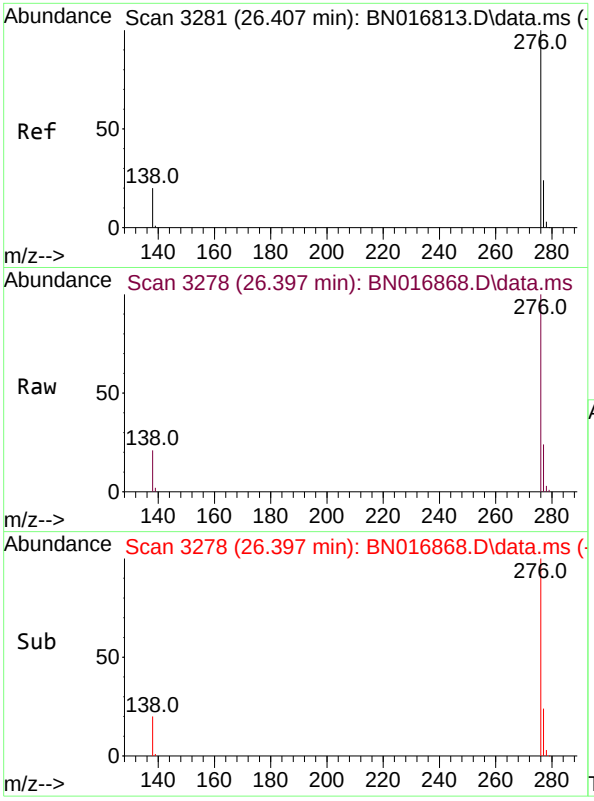


#40
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 25.726 min Scan# 3082
Delta R.T. -0.013 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:278 Resp: 117372

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.1	19.7
279	23.9	19.3	28.9

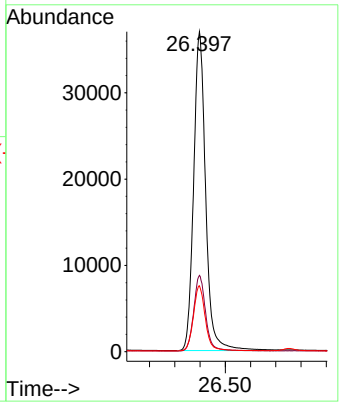




#41
Benzo(g,h,i)perylene
Concen: 0.336 ng
RT: 26.397 min Scan# 3278
Delta R.T. -0.010 min
Lab File: BN016868.D
Acq: 09 Oct 2021 06:49

Tgt Ion:276 Resp: 122255

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	20.6	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
PB139741BS