Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090421\
Data File : BN016209.D
Acq On : 05 Sep 2021 01:56
Operator : CG/JU
Sample : PB138841BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB138841BS

Quant Time: Sep 06 06:21:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 06 02:08:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	15050	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	78205	0.400	ng	0.00
13) Acenaphthene-d10	14.497	164	45451	0.400	ng	0.00
19) Phenanthrene-d10	17.237	188	90424	0.400	ng	#-0.01
29) Chrysene-d12	21.429	240	97222	0.400	ng	# 0.00
35) Perylene-d12	23.816	264	96107	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	15848	0.373	ng	0.00
5) Phenol-d6	7.034	99	20311	0.374	ng	0.00
8) Nitrobenzene-d5	9.025	82	22668	0.361	ng	0.00
11) 2-Methylnaphthalene-d10	12.252	152	48087	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	7692	0.379	ng	-0.01
15) 2-Fluorobiphenyl	13.114	172	64487	0.376	ng	-0.01
27) Fluoranthene-d10	19.276	212	103311	0.380	ng	0.00
31) Terphenyl-d14	19.872	244	89188	0.363	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.373	88	1891	0.393	ng	# 63
3) n-Nitrosodimethylamine	3.751	42	4306	0.368	ng	99
6) bis(2-Chloroethyl)ether	7.301	93	15431	0.393	ng	99
9) Naphthalene	10.711	128	78808	0.381	ng	100
10) Hexachlorobutadiene	11.002	225	16263	0.386	ng	# 99
12) 2-Methylnaphthalene	12.323	142	54290	0.389	ng	100
16) Acenaphthylene	14.218	152	77773	0.381	ng	100
17) Acenaphthene	14.561	154	49651	0.385	ng	100
18) Fluorene	15.537	166	62669	0.386	ng	99
20) 4,6-Dinitro-2-methylph...	15.626	198	1822	0.497	ng	# 65
21) 4-Bromophenyl-phenylether	16.433	248	18260	0.382	ng	# 88
22) Hexachlorobenzene	16.555	284	21924	0.389	ng	99
23) Atrazine	16.701	200	17835	0.369	ng	97
24) Pentachlorophenol	16.896	266	4953	0.556	ng	99
25) Phenanthrene	17.285	178	98701	0.390	ng	100
26) Anthracene	17.370	178	91539	0.379	ng	100
28) Fluoranthene	19.306	202	117392	0.391	ng	100
30) Pyrene	19.669	202	118921	0.376	ng	100
32) Benzo(a)anthracene	21.408	228	123638	0.379	ng	99
33) Chrysene	21.461	228	121099	0.382	ng	99
34) Bis(2-ethylhexyl)phtha...	21.334	149	75019	0.341	ng	99
36) Indeno(1,2,3-cd)pyrene	26.288	276	116191	0.435	ng	100
37) Benzo(b)fluoranthene	23.087	252	127889	0.390	ng	98
38) Benzo(k)fluoranthene	23.135	252	119560	0.398	ng	98
39) Benzo(a)pyrene	23.710	252	113850	0.391	ng	99
40) Dibenzo(a,h)anthracene	26.305	278	97357	0.436	ng	97
41) Benzo(g,h,i)perylene	27.048	276	95280	0.424	ng	98

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

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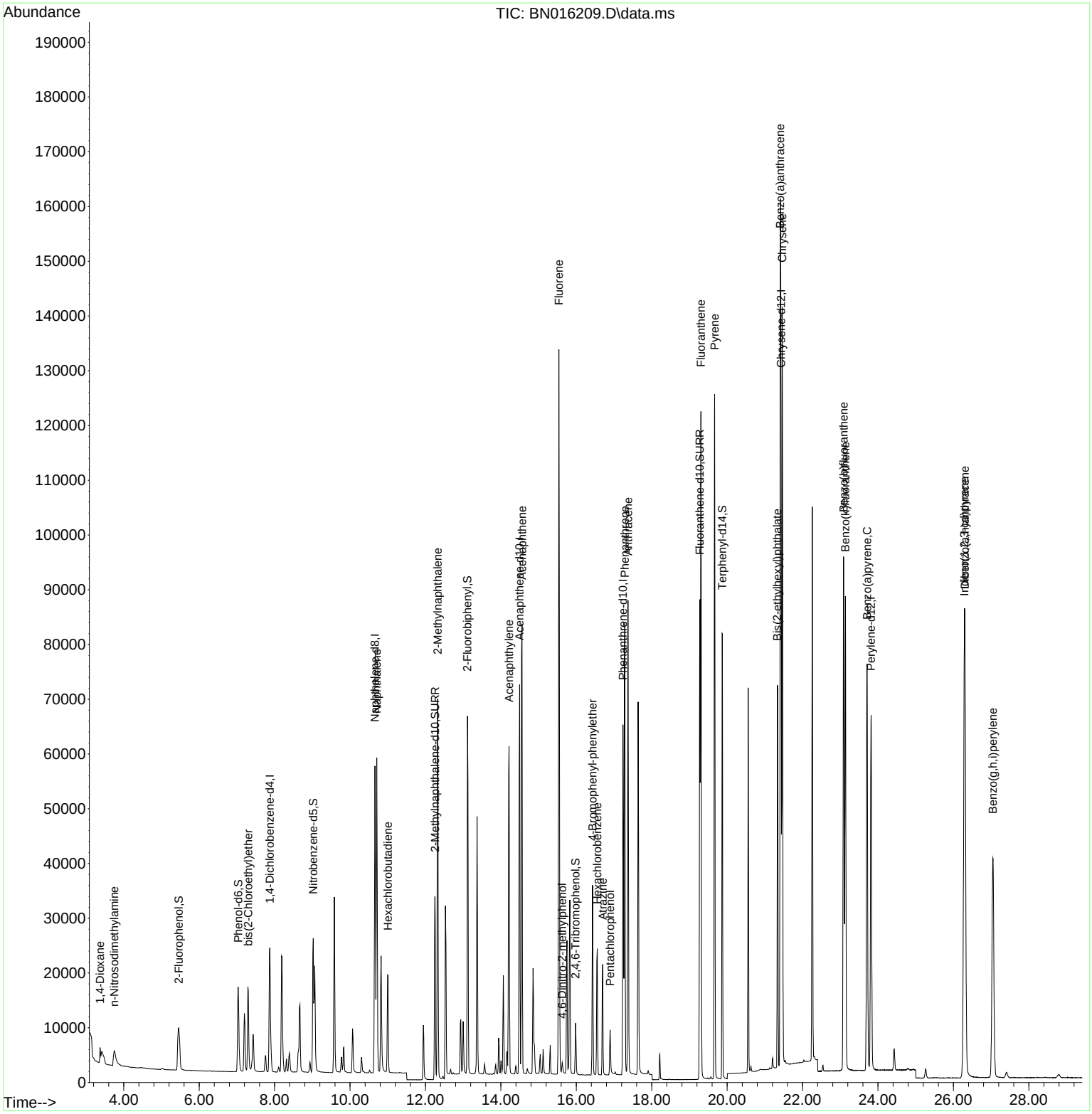
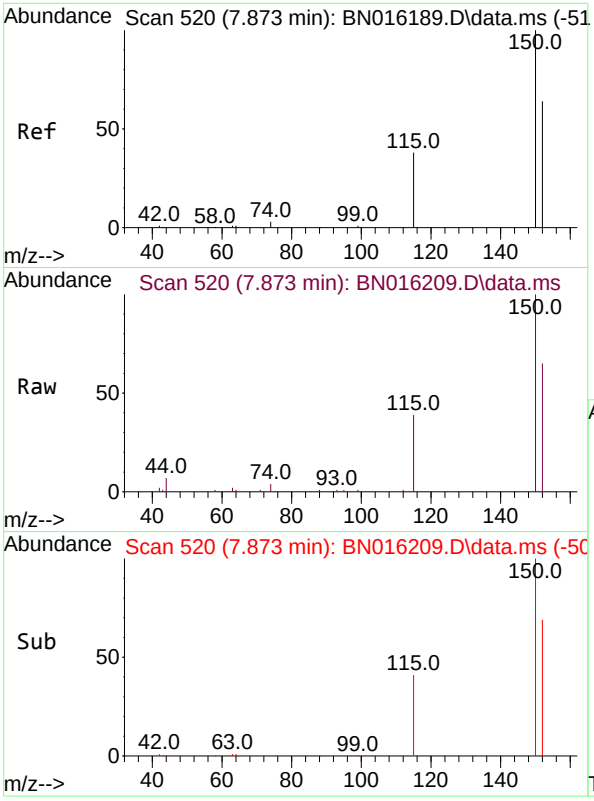
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 06 02:08:58 2021
Response via : Initial Calibration

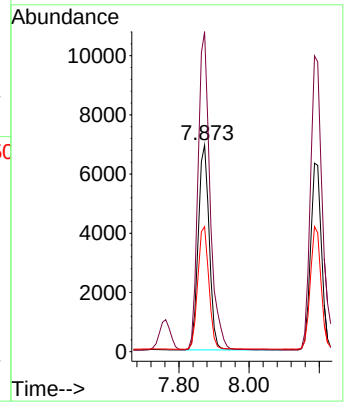




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.873 min Scan# 520
Delta R.T. -0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:152 Resp: 15050

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.3	187.9
115	60.5	48.4	72.6



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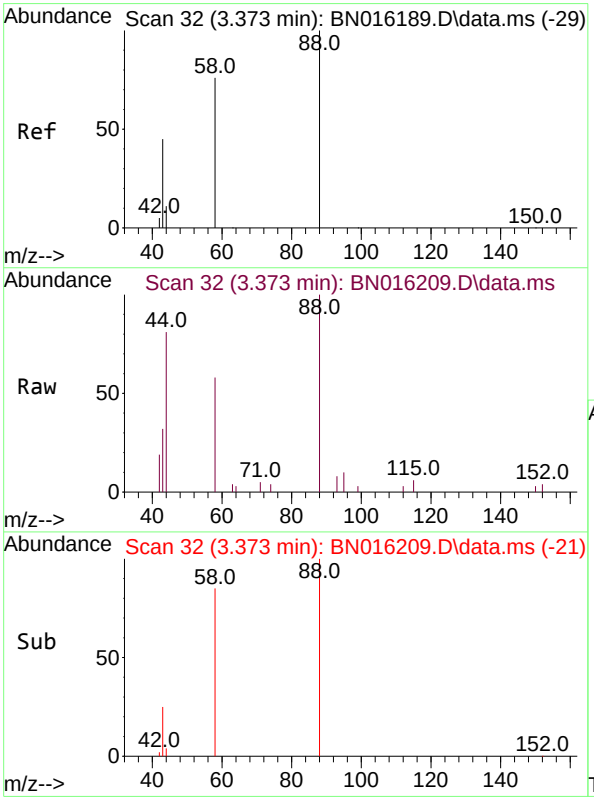
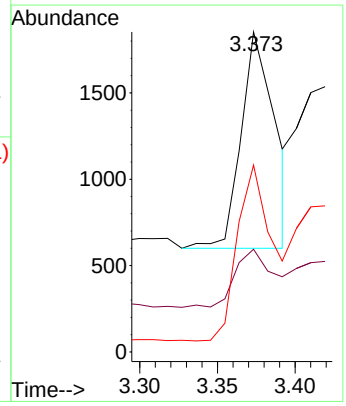


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.373 min Scan# 32
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion: 88 Resp: 1891

Ion	Ratio	Lower	Upper
88	100		
43	30.7	77.0	115.4#
58	85.1	70.8	106.2



Instrument :
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ClientSampleId :
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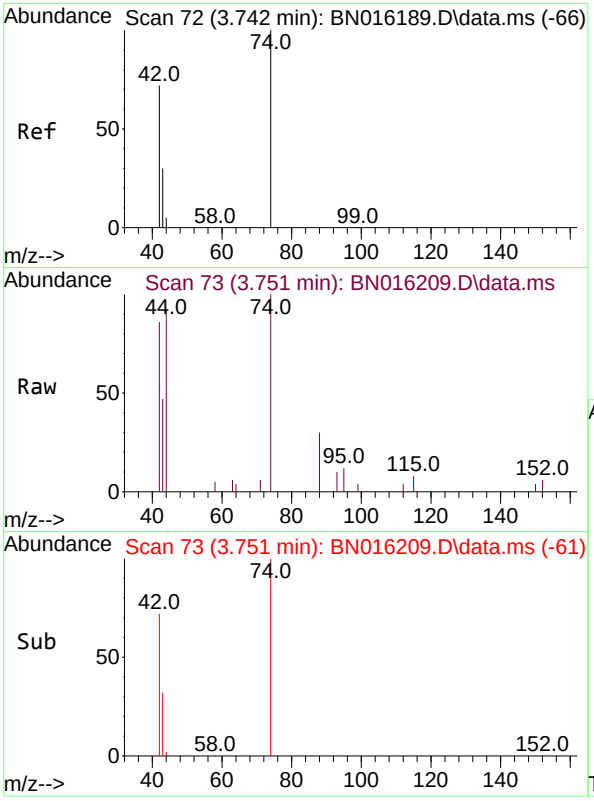
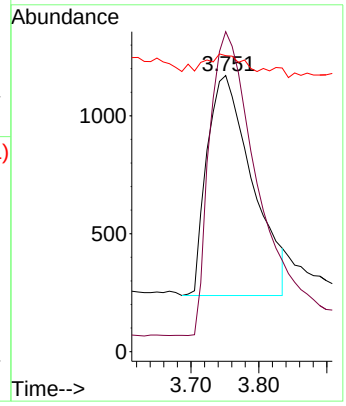
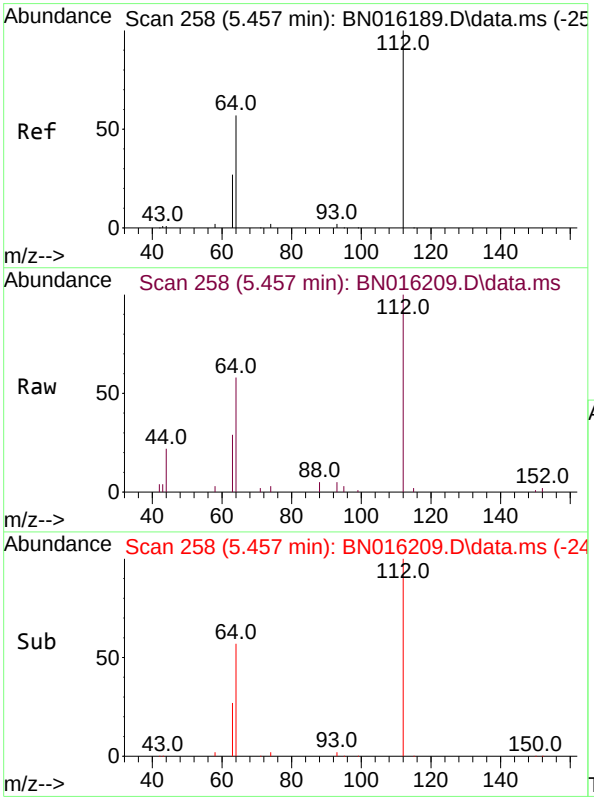


#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.751 min Scan# 73
Delta R.T. 0.009 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion: 42 Resp: 4306

Ion	Ratio	Lower	Upper
42	100		
74	139.4	112.2	168.4
44	6.0	5.0	7.4

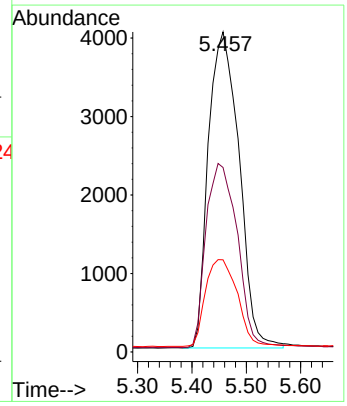


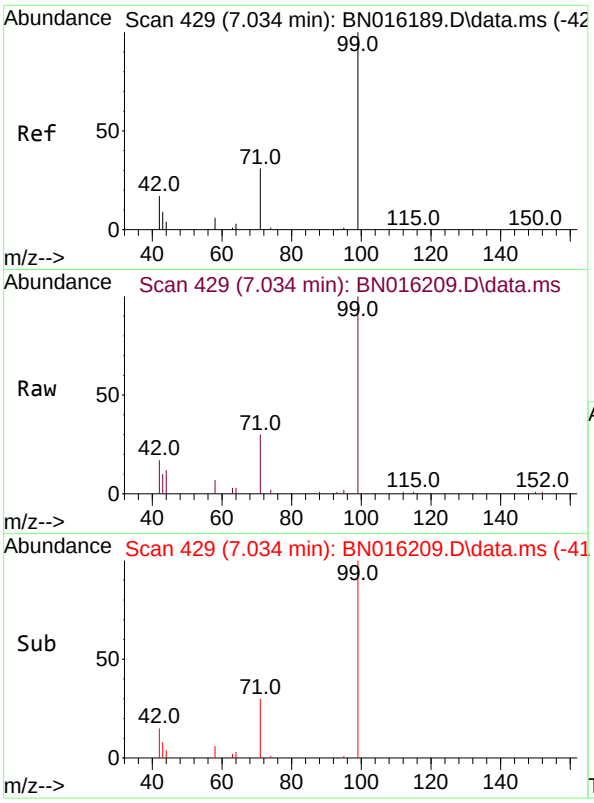


#4
2-Fluorophenol
Concen: 0.373 ng
RT: 5.457 min Scan# 258
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:112 Resp: 15848

Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.8	70.2
63	28.4	22.7	34.1

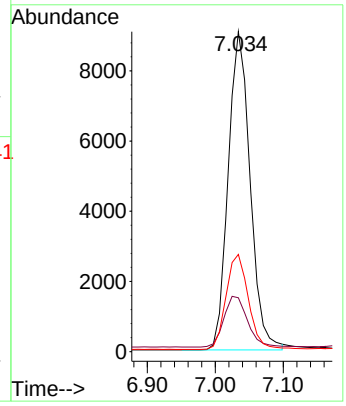


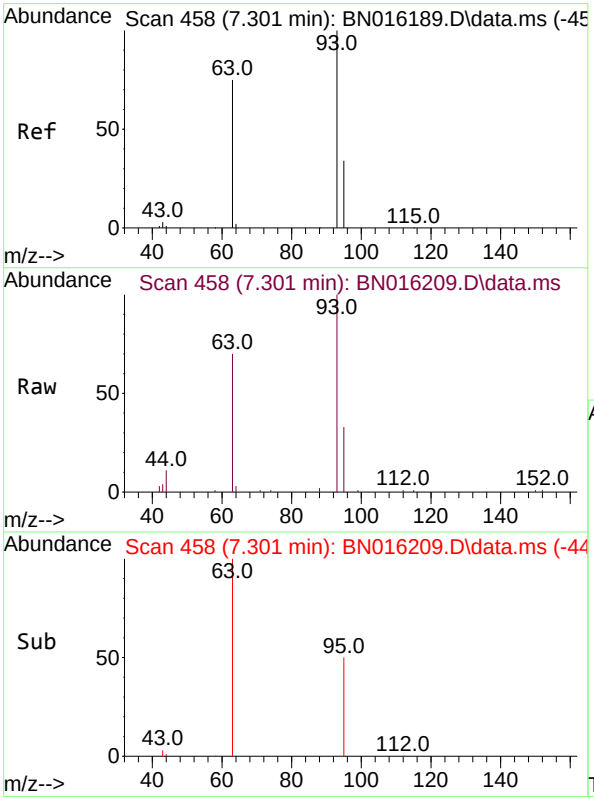


#5
Phenol-d6
Concen: 0.374 ng
RT: 7.034 min Scan# 429
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion: 99 Resp: 20311

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.6
71	30.4	24.3	36.5

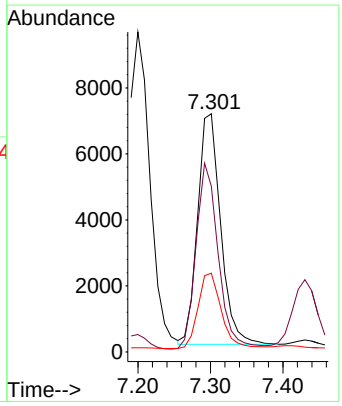




#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.301 min Scan# 458
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion: 93 Resp: 15431

Ion	Ratio	Lower	Upper
93	100		
63	78.2	62.8	94.2
95	33.2	27.0	40.4



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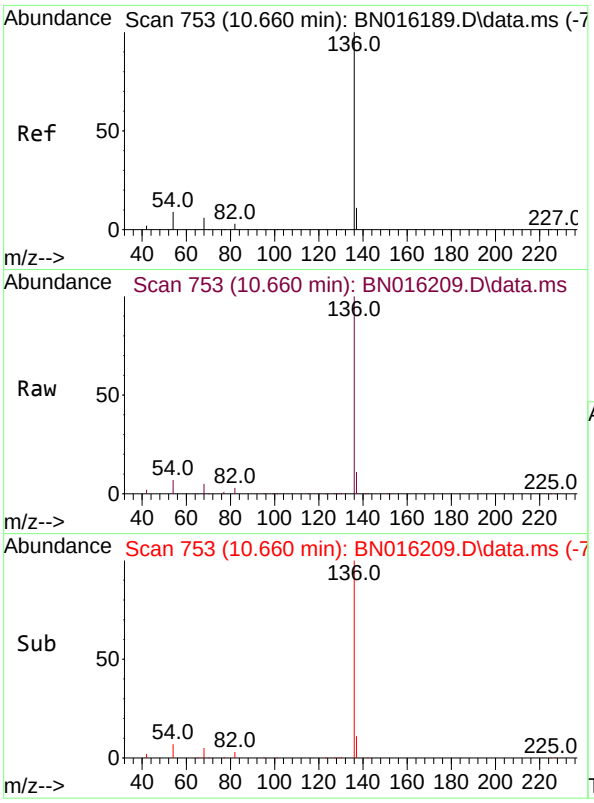
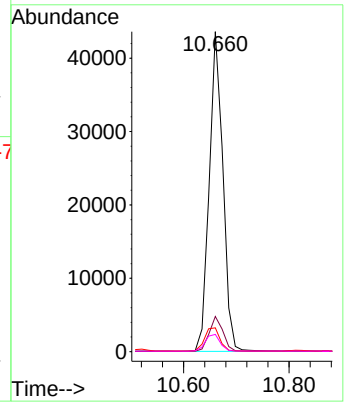
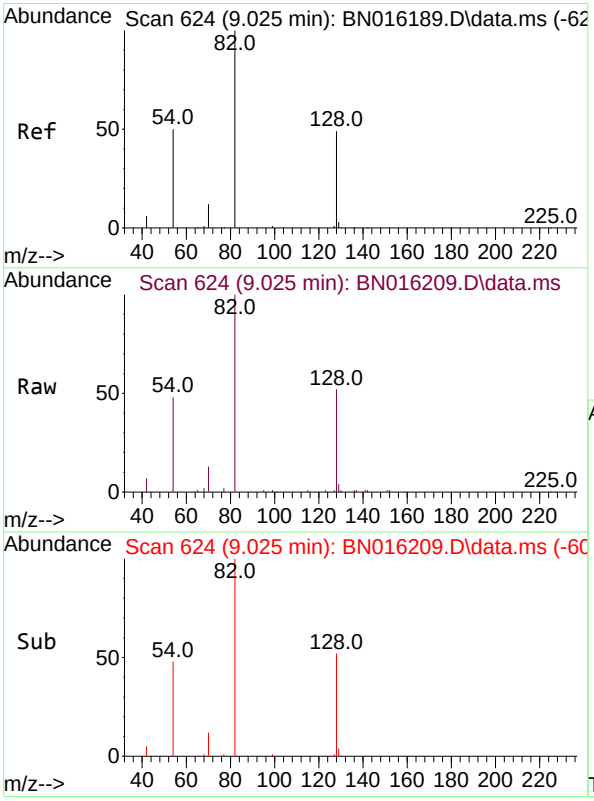


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:136 Resp: 78205

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	7.2	10.8
68	5.4	5.2	7.8

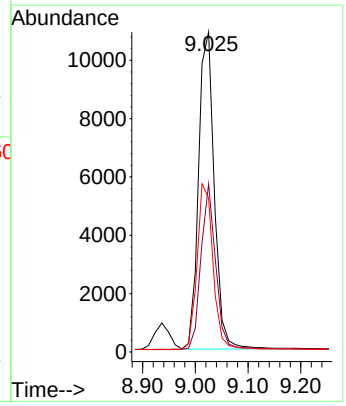




#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 9.025 min Scan# 624
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion: 82 Resp: 22668

Ion	Ratio	Lower	Upper
82	100		
128	52.5	39.3	58.9
54	48.1	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
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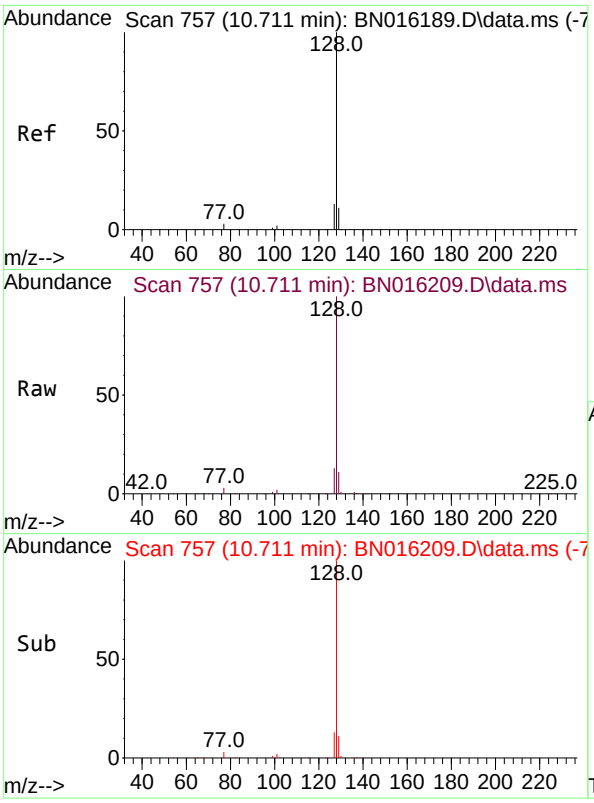
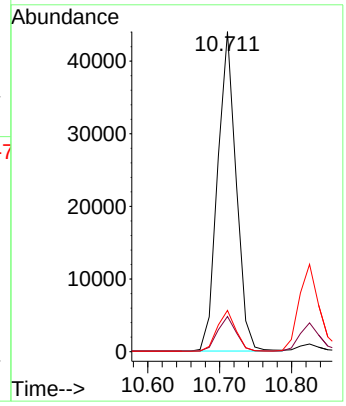
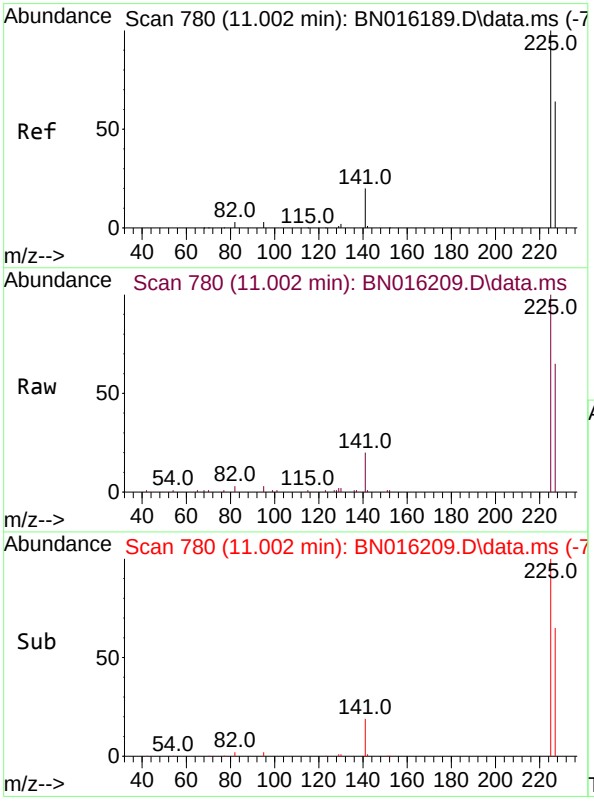


#9
Naphthalene
Concen: 0.381 ng
RT: 10.711 min Scan# 757
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:128 Resp: 78808

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.9	10.4	15.6

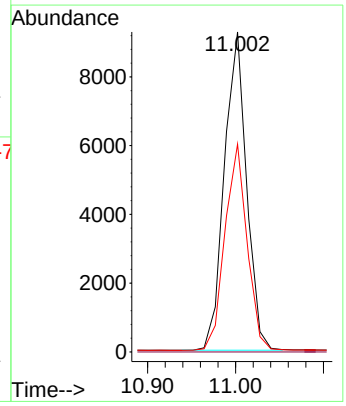


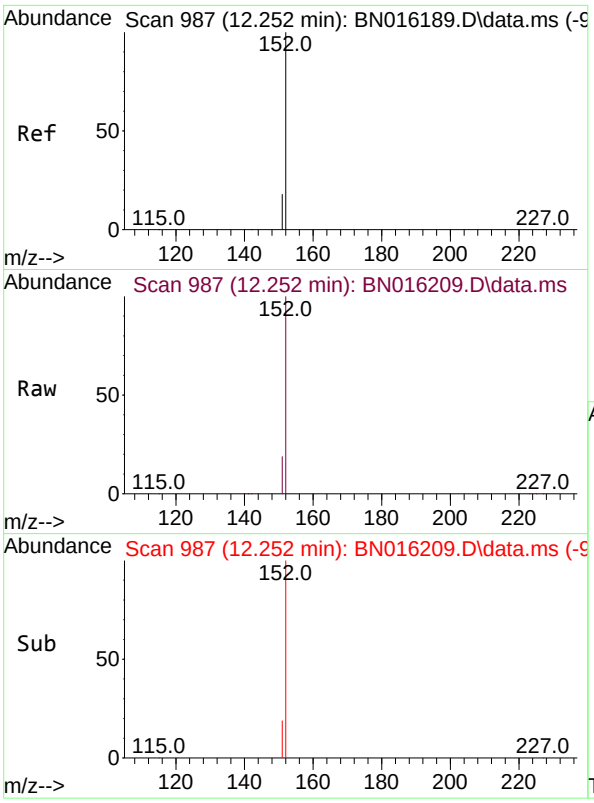


#10
Hexachlorobutadiene
Concen: 0.386 ng
RT: 11.002 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:225 Resp: 16263

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.2	76.8

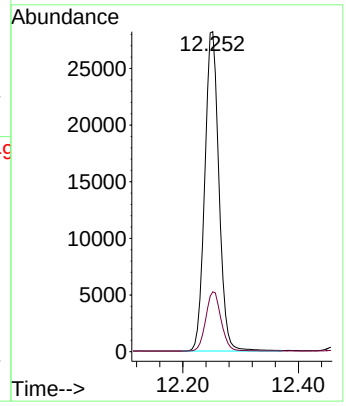




#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.252 min Scan# 987
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:152 Resp: 48087

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2



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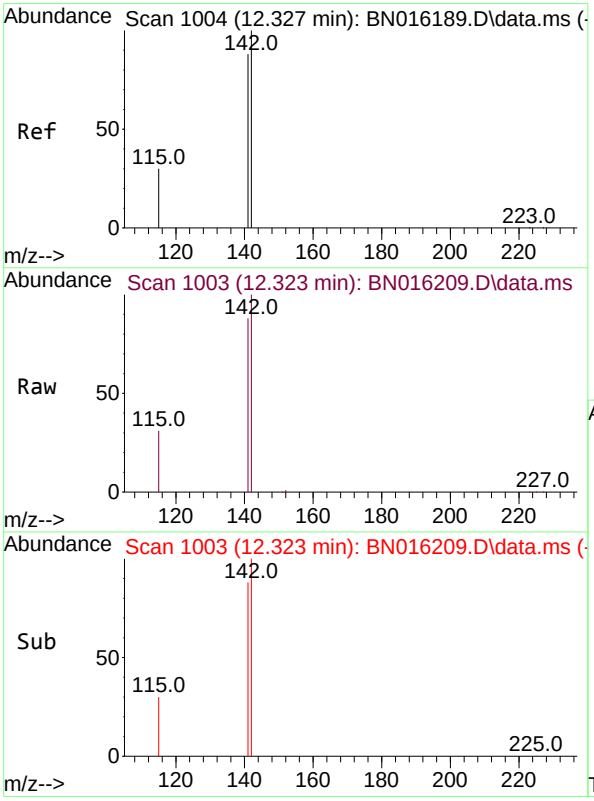
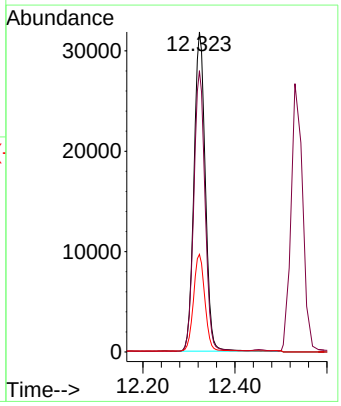


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.323 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:142 Resp: 54290

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.4	105.6
115	30.5	24.4	36.6



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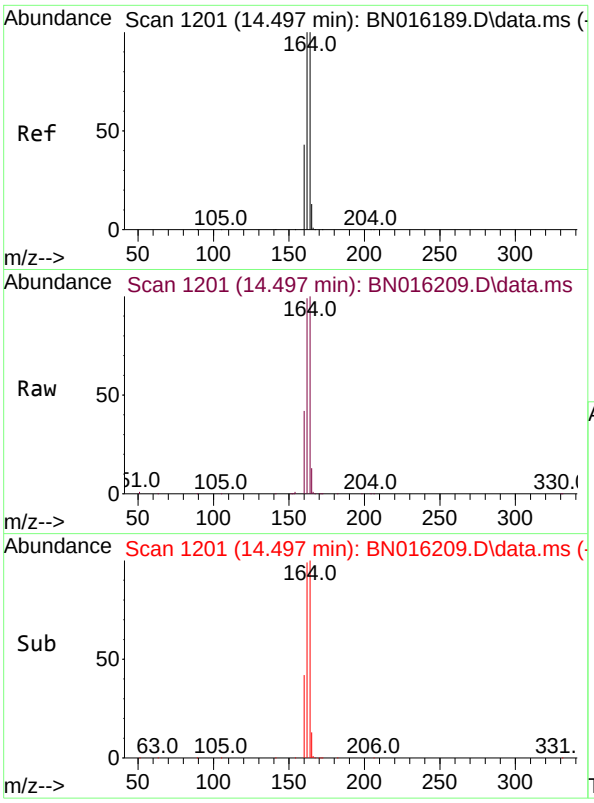
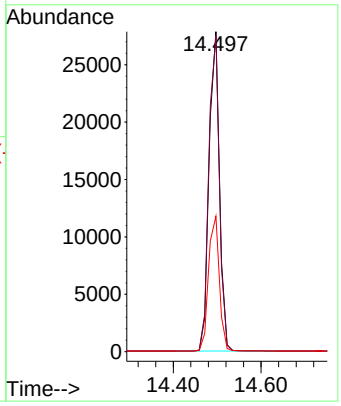
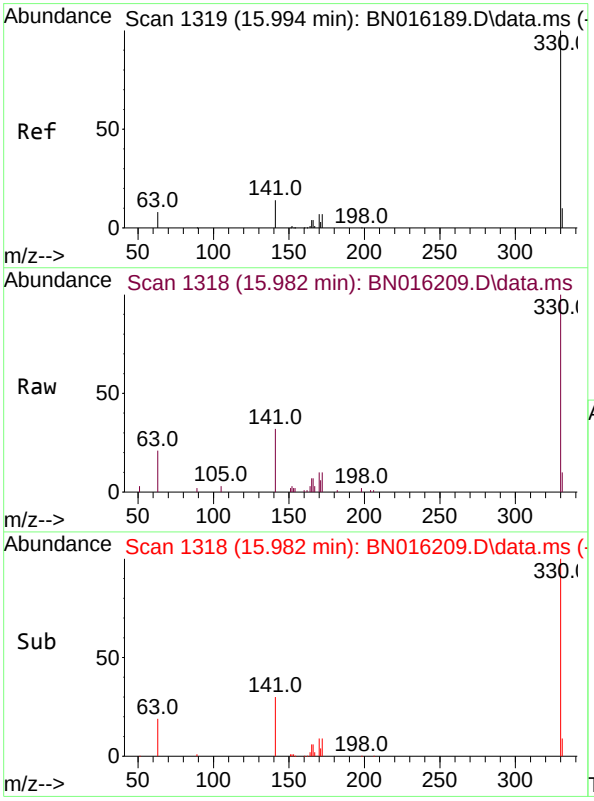


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.497 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:164 Resp: 45451

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.8	119.6
160	42.3	34.2	51.4

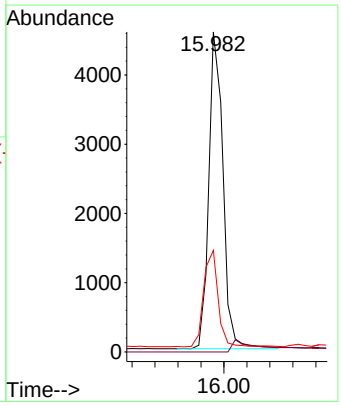




#14
2,4,6-Tribromophenol
Concen: 0.379 ng
RT: 15.982 min Scan# 1318
Delta R.T. -0.013 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:330 Resp: 7692

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.1	25.4	38.2



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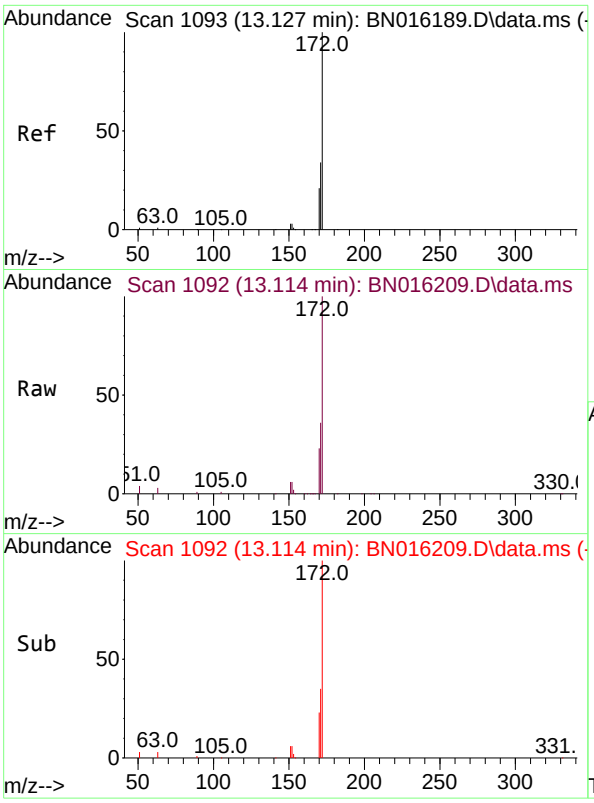
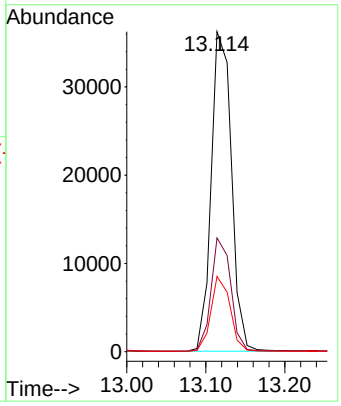
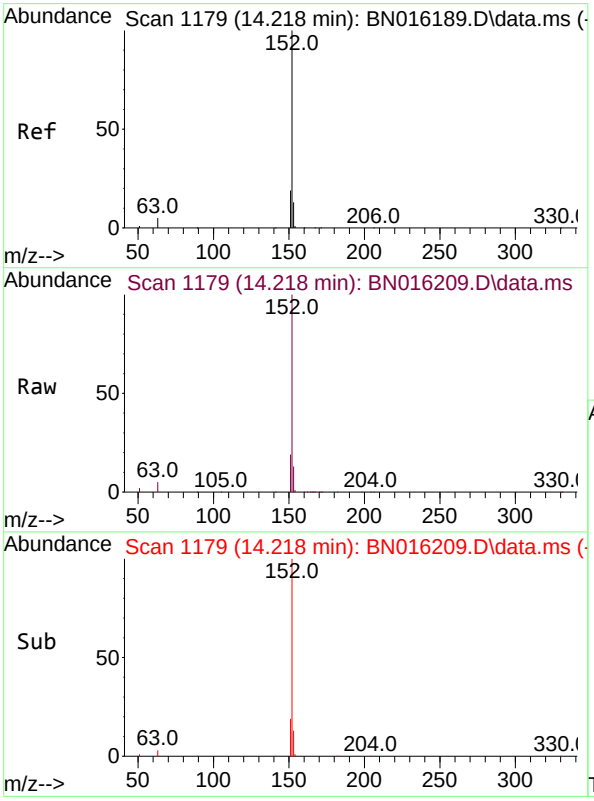


#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.114 min Scan# 1092
Delta R.T. -0.013 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:172 Resp: 64487

Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.9	40.3
170	23.5	17.1	25.7

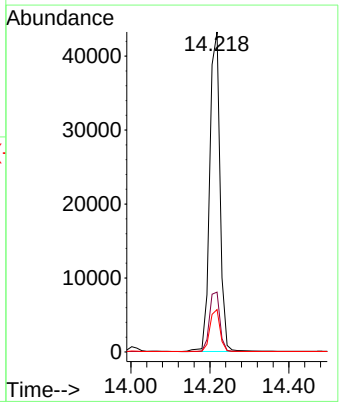




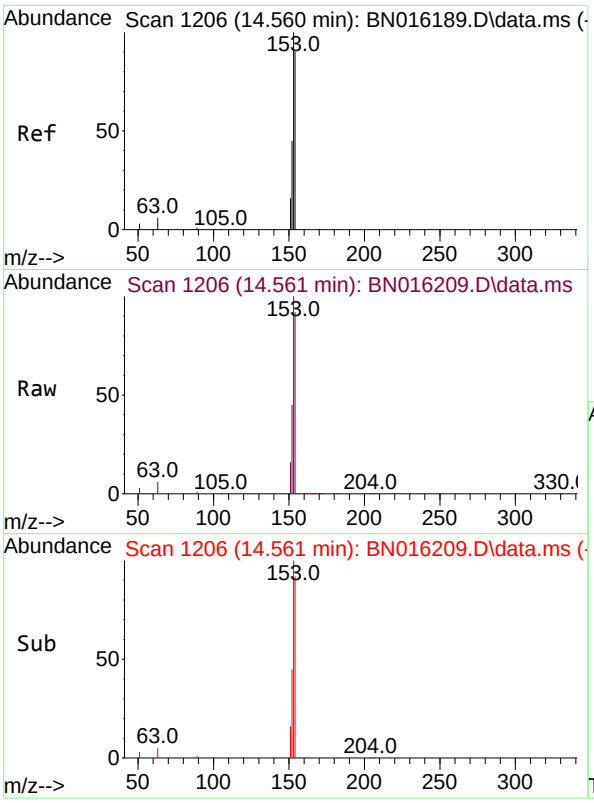
#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.218 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:152 Resp: 77773

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.1	10.4	15.6



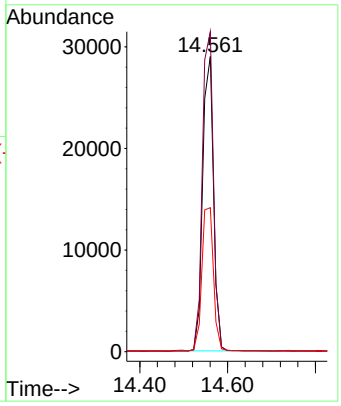
Instrument :
BNA_N
ClientSampleId :
PB138841BS

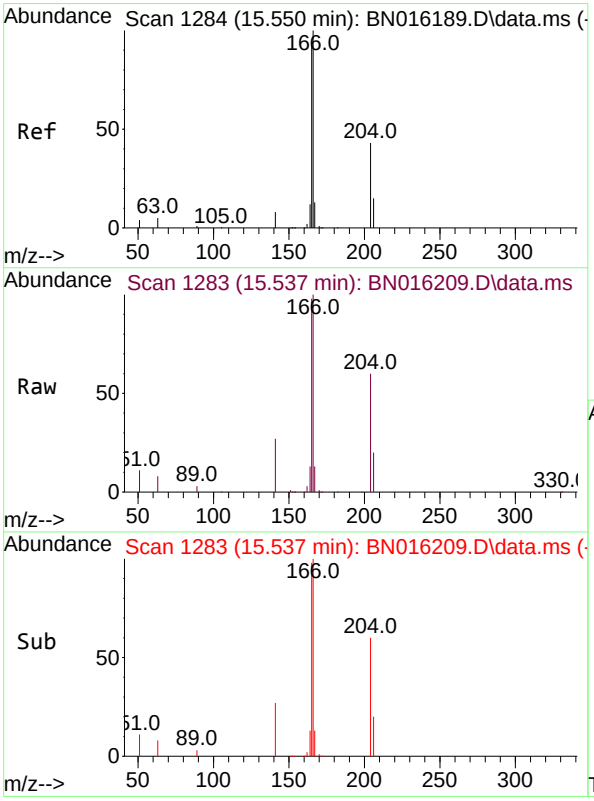


#17
Acenaphthene
Concen: 0.385 ng
RT: 14.561 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:154 Resp: 49651

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.1	133.7
152	52.1	41.2	61.8

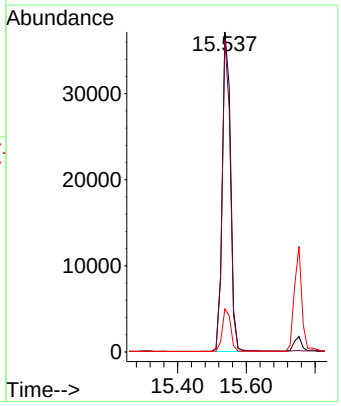




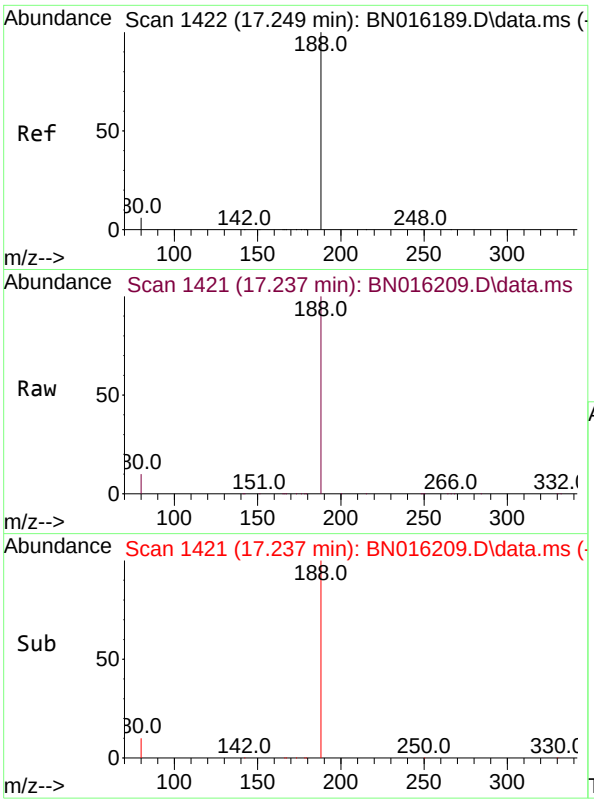
#18
Fluorene
Concen: 0.386 ng
RT: 15.537 min Scan# 1283
Delta R.T. -0.013 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:166 Resp: 62669

Ion	Ratio	Lower	Upper
166	100		
165	95.7	77.0	115.6
167	13.5	10.9	16.3



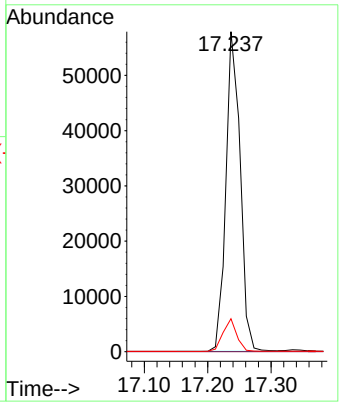
Instrument :
BNA_N
ClientSampleId :
PB138841BS

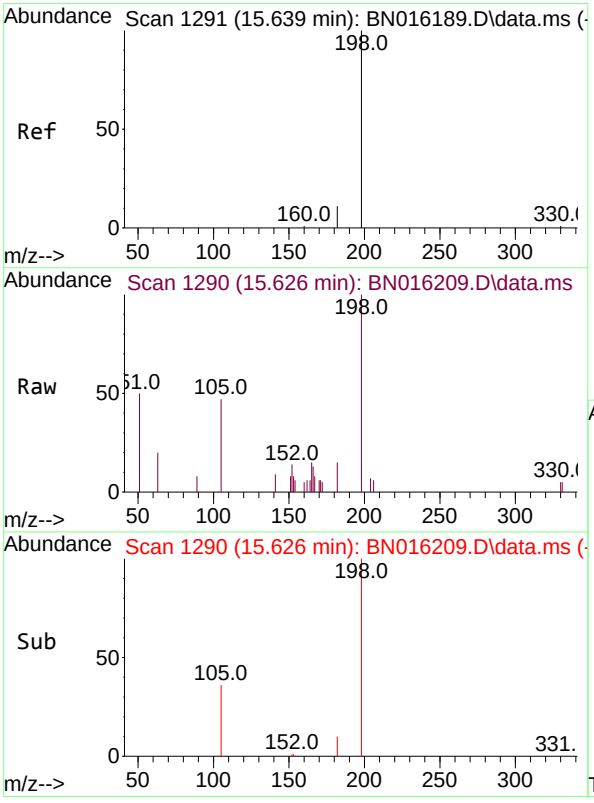


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.237 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:188 Resp: 90424

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	5.0	7.6#

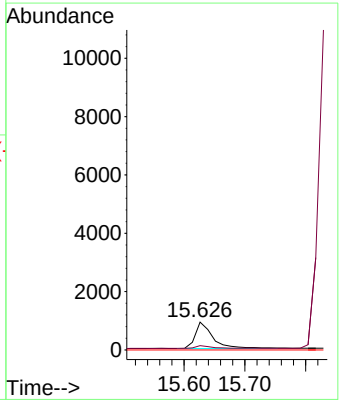




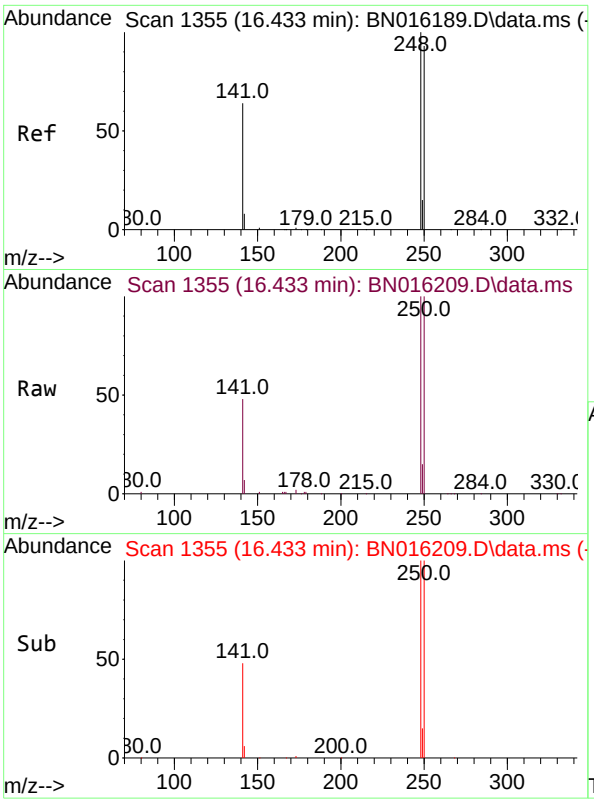
#20
4,6-Dinitro-2-methylphenol
Concen: 0.497 ng
RT: 15.626 min Scan# 1290
Delta R.T. -0.013 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:198 Resp: 1822

Ion	Ratio	Lower	Upper
198	100		
182	15.4	28.8	43.2#
77	0.0	0.0	0.0



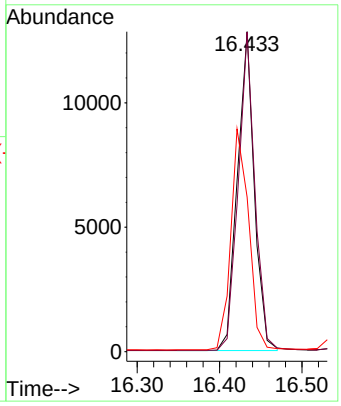
Instrument :
BNA_N
ClientSampleId :
PB138841BS

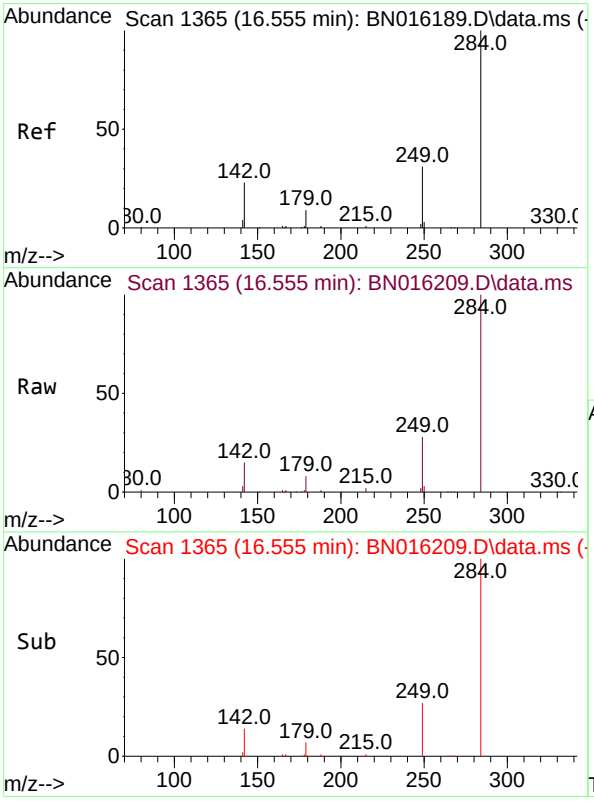


#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.433 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:248 Resp: 18260

Ion	Ratio	Lower	Upper
248	100		
250	99.8	74.6	112.0
141	48.3	51.6	77.4#

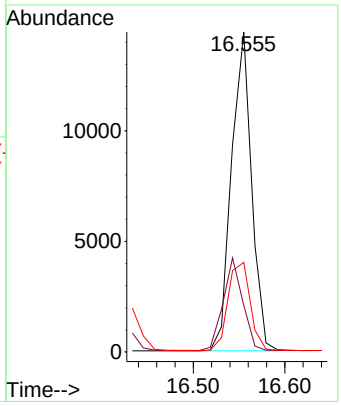


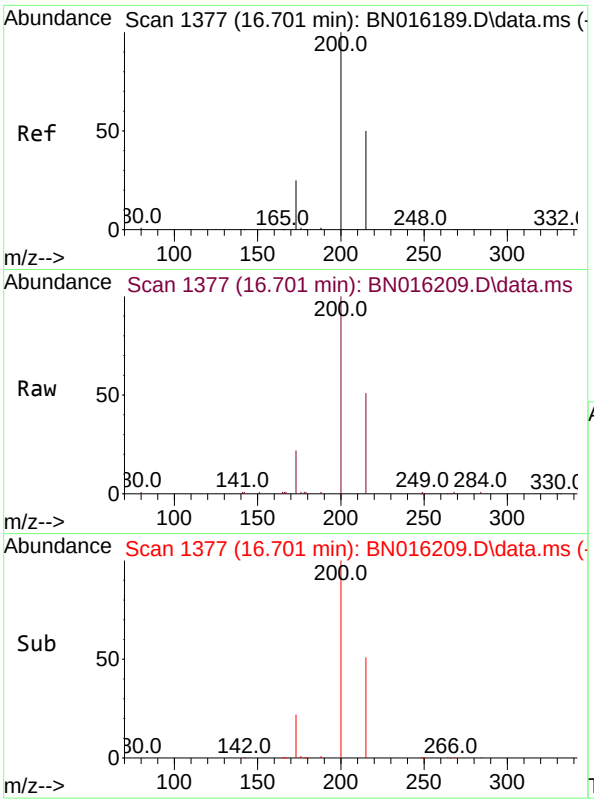


#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.555 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:284 Resp: 21924

Ion	Ratio	Lower	Upper
284	100		
142	28.1	22.7	34.1
249	30.7	24.3	36.5

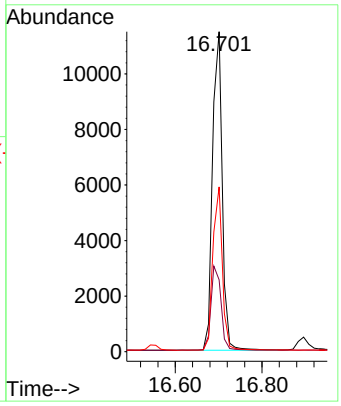




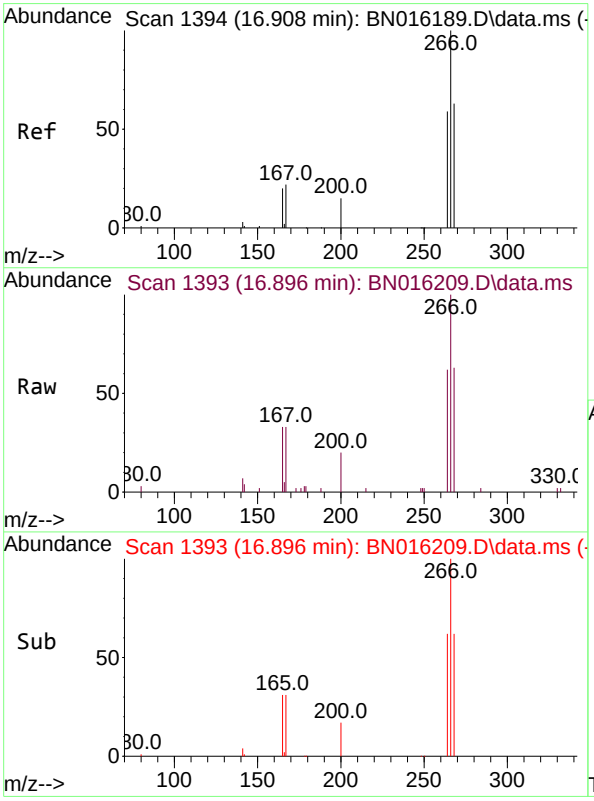
#23
Atrazine
Concen: 0.369 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:200 Resp: 17835

Ion	Ratio	Lower	Upper
200	100		
173	22.4	20.6	31.0
215	51.5	40.5	60.7



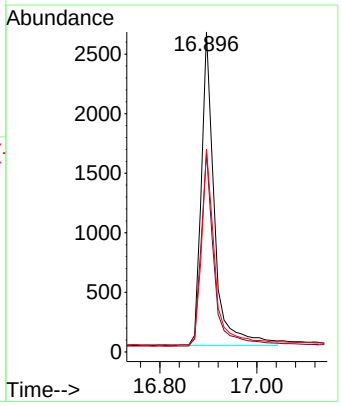
Instrument :
BNA_N
ClientSampleId :
PB138841BS



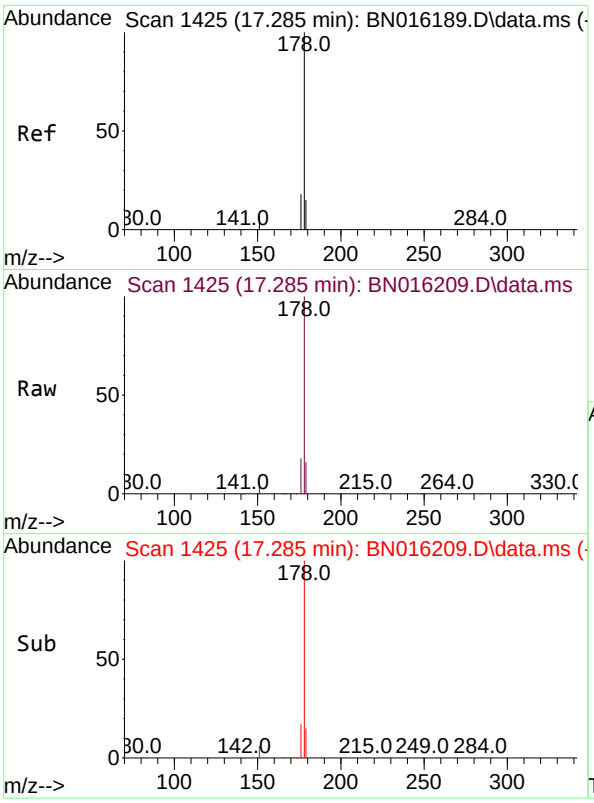
#24
Pentachlorophenol
Concen: 0.556 ng
RT: 16.896 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:266 Resp: 4953

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.4	75.6
268	62.9	49.6	74.4



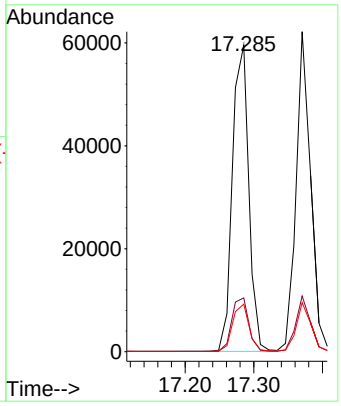
Instrument :
BNA_N
ClientSampleId :
PB138841BS

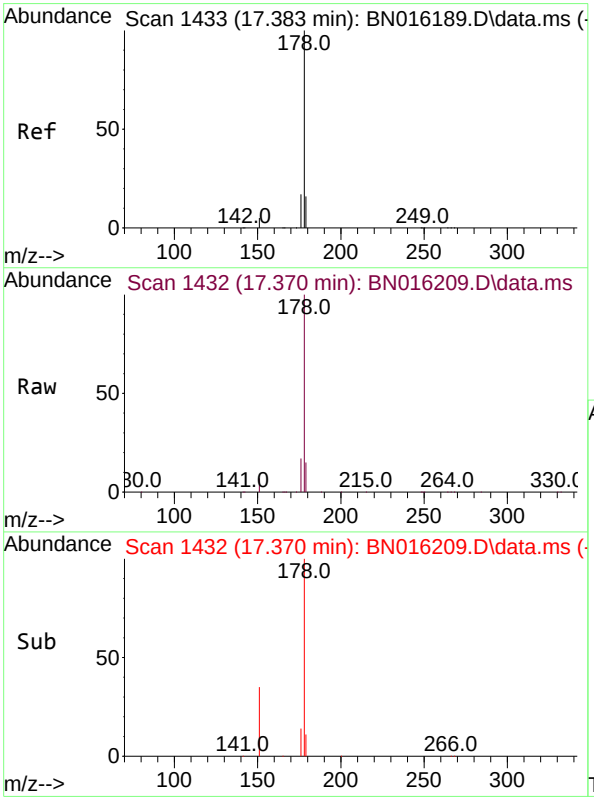


#25
Phenanthrene
Concen: 0.390 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:178 Resp: 98701

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.5	12.3	18.5

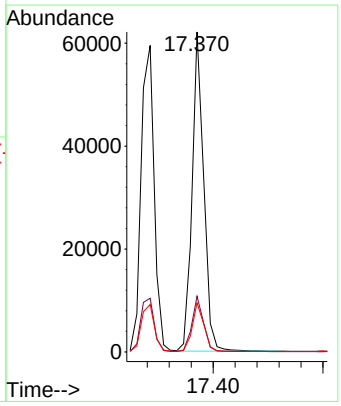


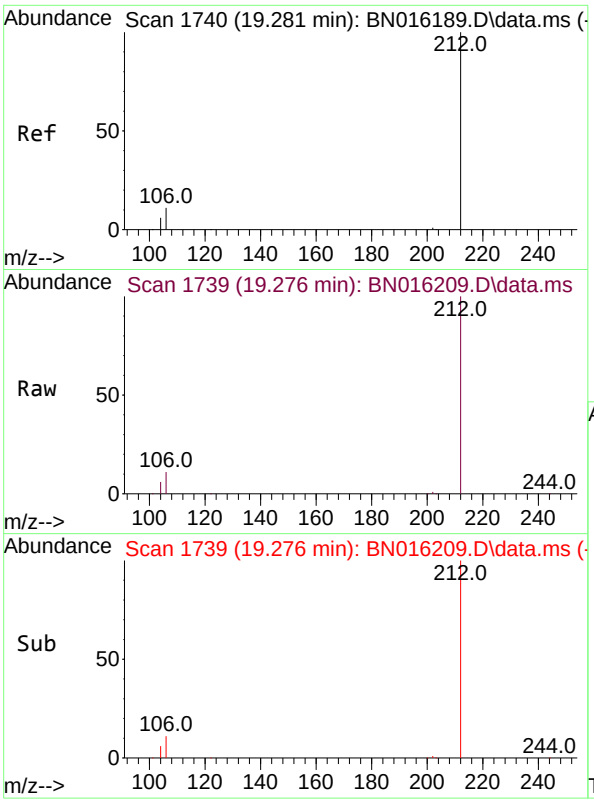


#26
Anthracene
Concen: 0.379 ng
RT: 17.370 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:178 Resp: 91539

Ion	Ratio	Lower	Upper
178	100		
176	17.3	13.8	20.8
179	15.3	12.4	18.6

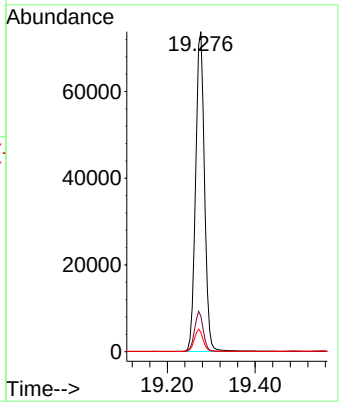




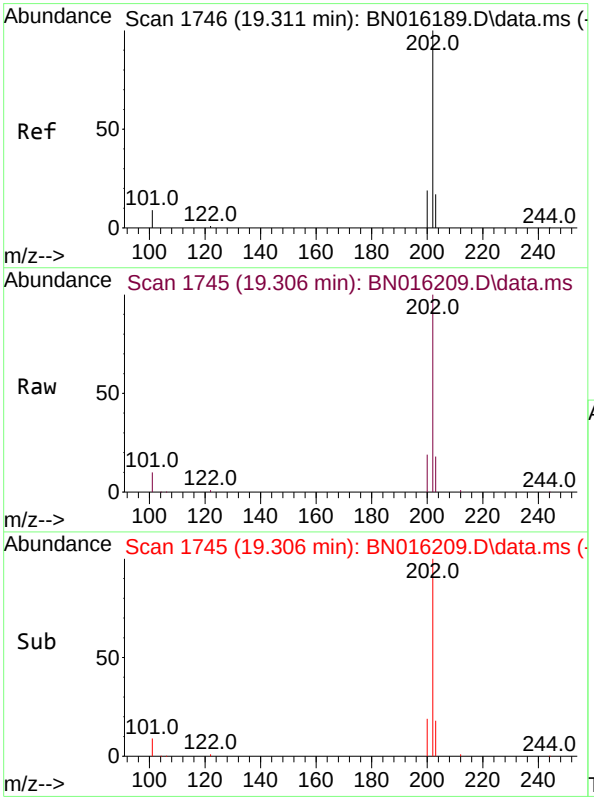
#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.276 min Scan# 1739
Delta R.T. -0.005 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:212 Resp: 103311

Ion	Ratio	Lower	Upper
212	100		
106	12.2	9.7	14.5
104	6.8	5.4	8.0



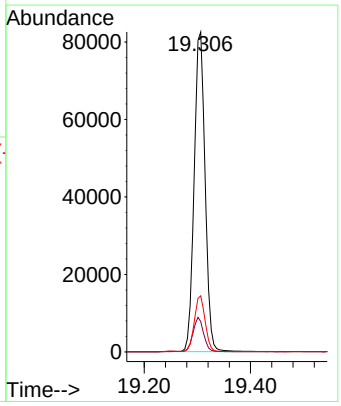
Instrument :
BNA_N
ClientSampleId :
PB138841BS



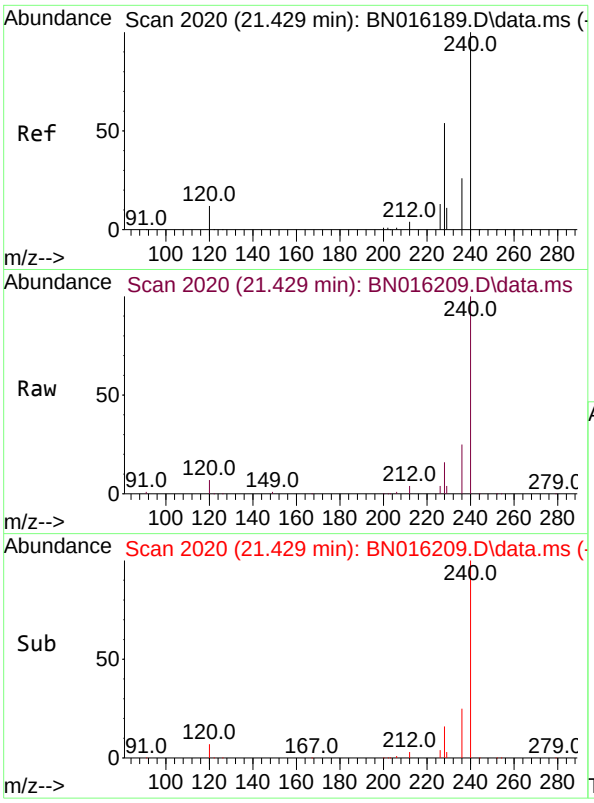
#28
Fluoranthene
Concen: 0.391 ng
RT: 19.306 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:202 Resp: 117392

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.4	12.6
203	17.3	13.8	20.8



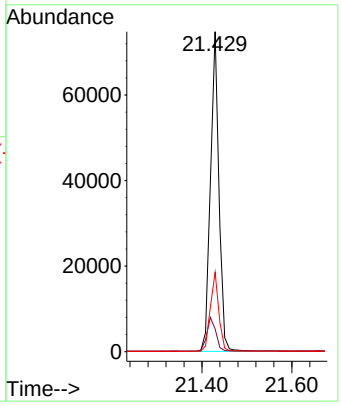
Instrument :
BNA_N
ClientSampleId :
PB138841BS

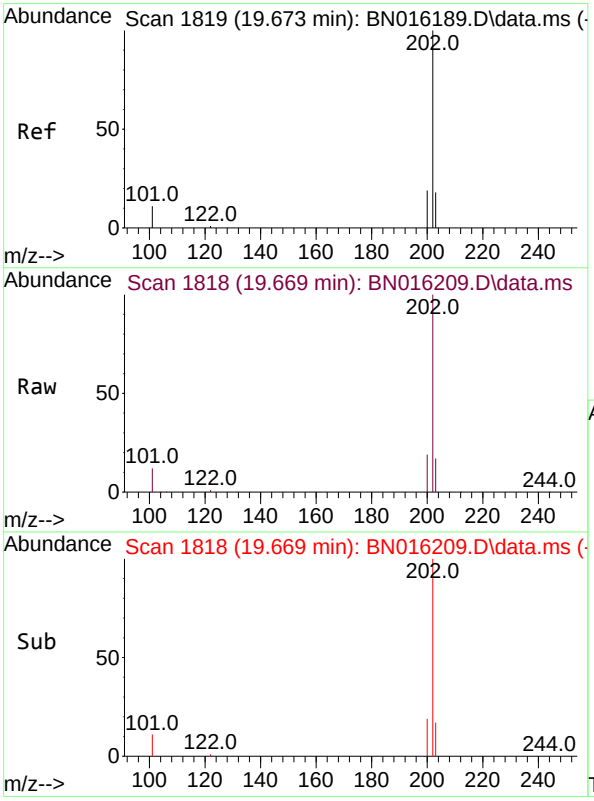


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.429 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:240 Resp: 97222

Ion	Ratio	Lower	Upper
240	100		
120	7.1	10.0	15.0#
236	24.8	20.9	31.3

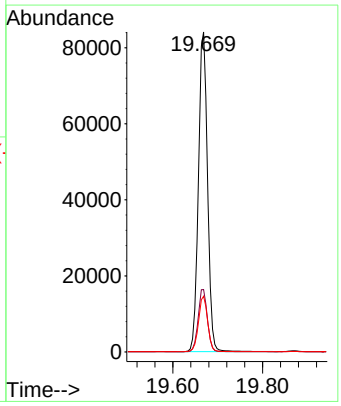




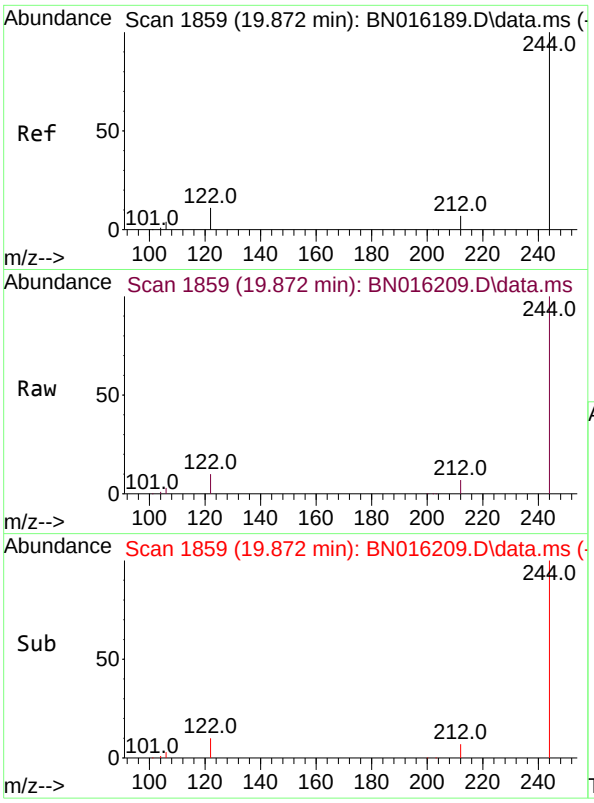
#30
Pyrene
Concen: 0.376 ng
RT: 19.669 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:202 Resp: 118921

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.8	23.8
203	17.5	14.1	21.1



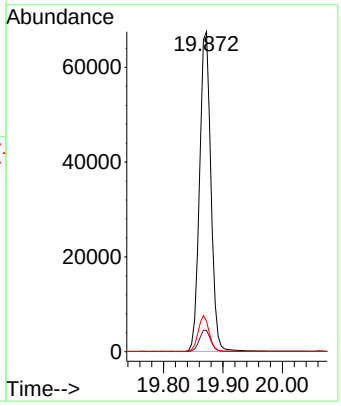
Instrument :
BNA_N
ClientSampleId :
PB138841BS

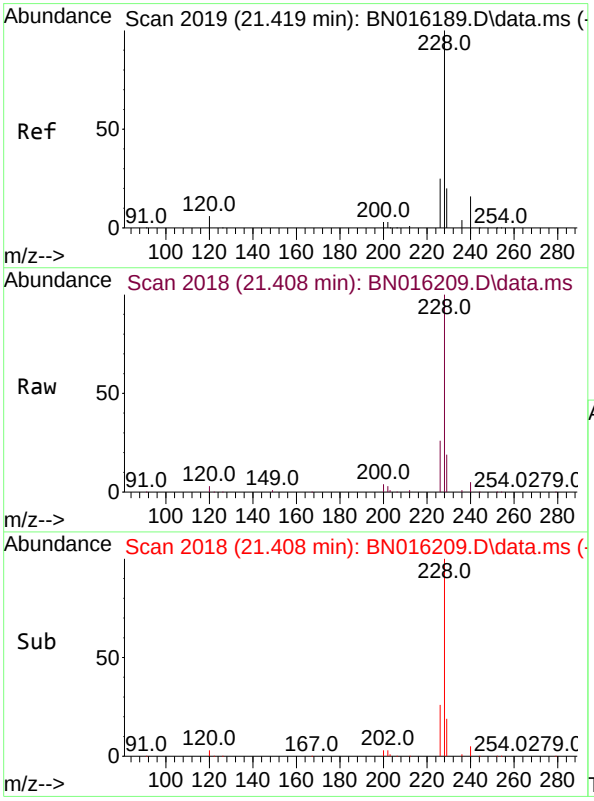


#31
Terphenyl-d14
Concen: 0.363 ng
RT: 19.872 min Scan# 1859
Delta R.T. 0.000 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:244 Resp: 89188

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	9.6	9.0	13.4

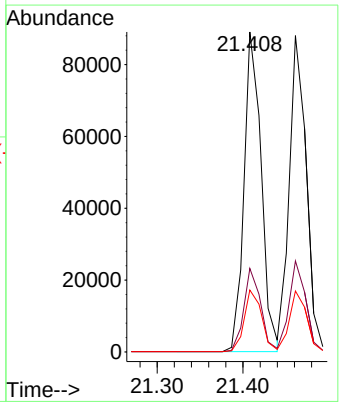




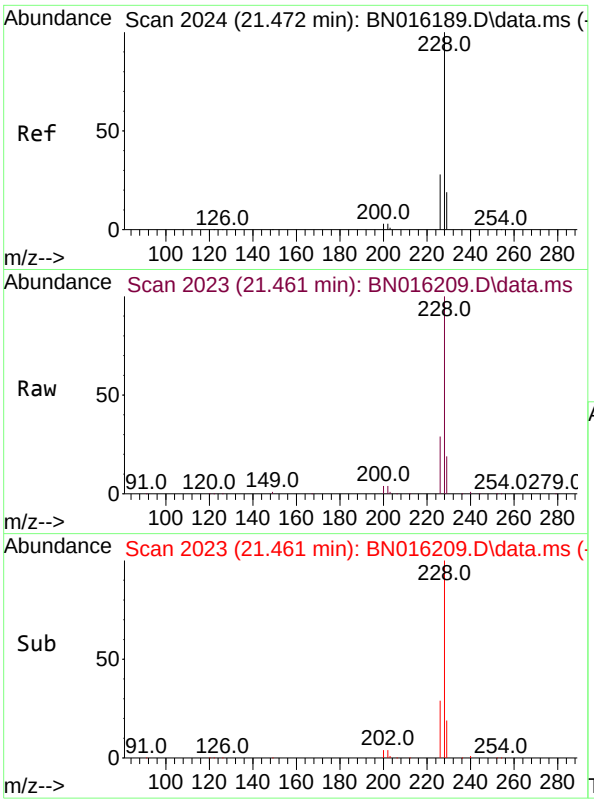
#32
Benzo(a)anthracene
Concen: 0.379 ng
RT: 21.408 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:228 Resp: 123638

Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.5	30.7
229	19.4	16.2	24.4



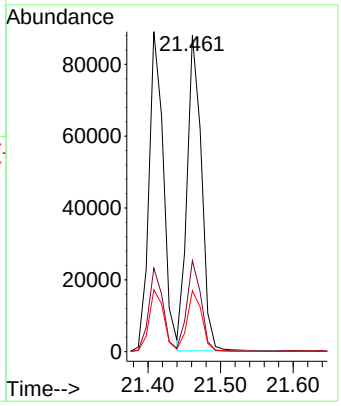
Instrument :
BNA_N
ClientSampleId :
PB138841BS

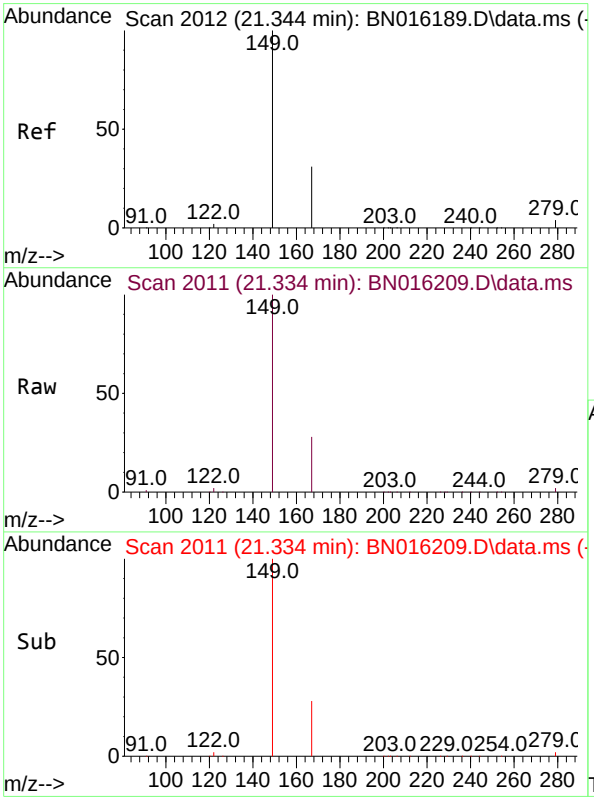


#33
Chrysene
Concen: 0.382 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.011 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:228 Resp: 121099

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	19.3	16.0	24.0

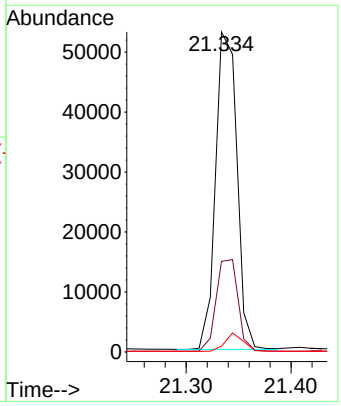


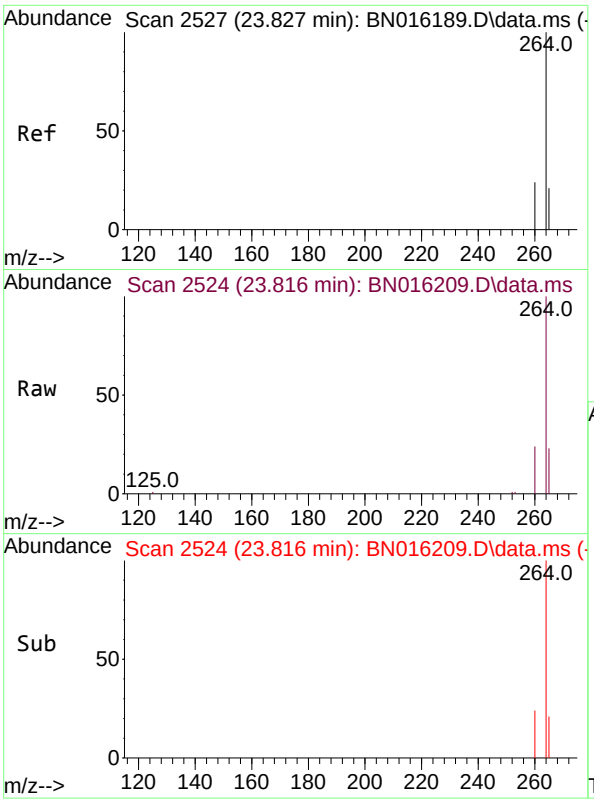


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.341 ng
RT: 21.334 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:149 Resp: 75019

Ion	Ratio	Lower	Upper
149	100		
167	29.6	24.2	36.4
279	4.9	4.0	6.0

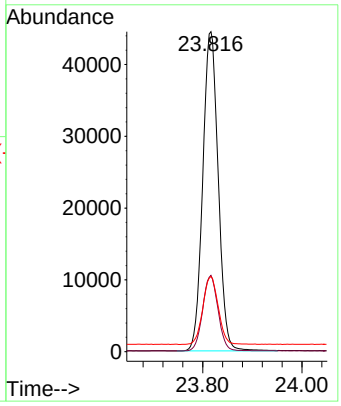




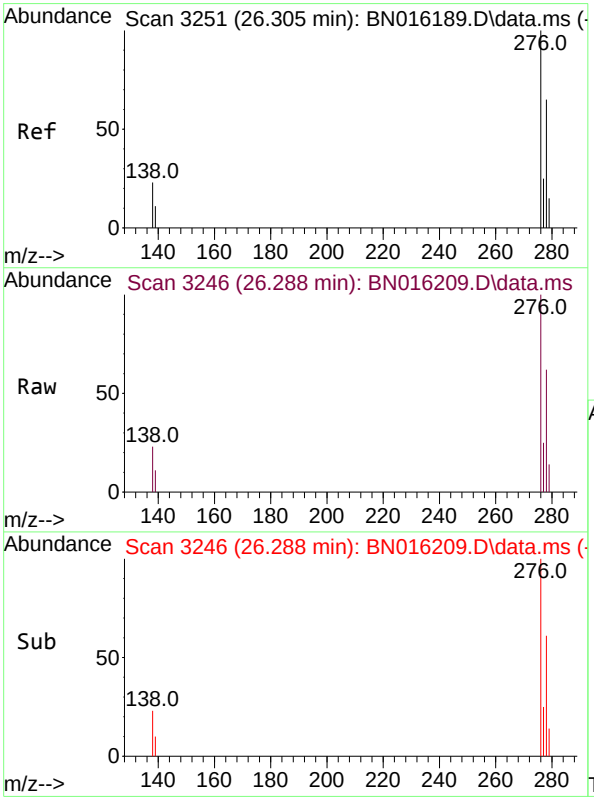
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.816 min Scan# 2524
Delta R.T. -0.010 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:264 Resp: 96107

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	23.5	20.2	30.2



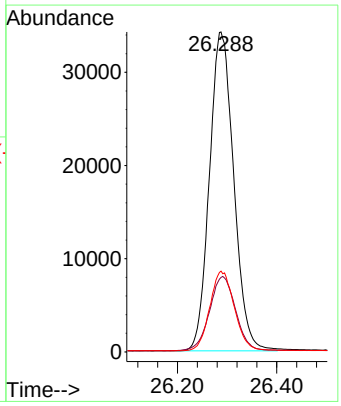
Instrument :
BNA_N
ClientSampleId :
PB138841BS

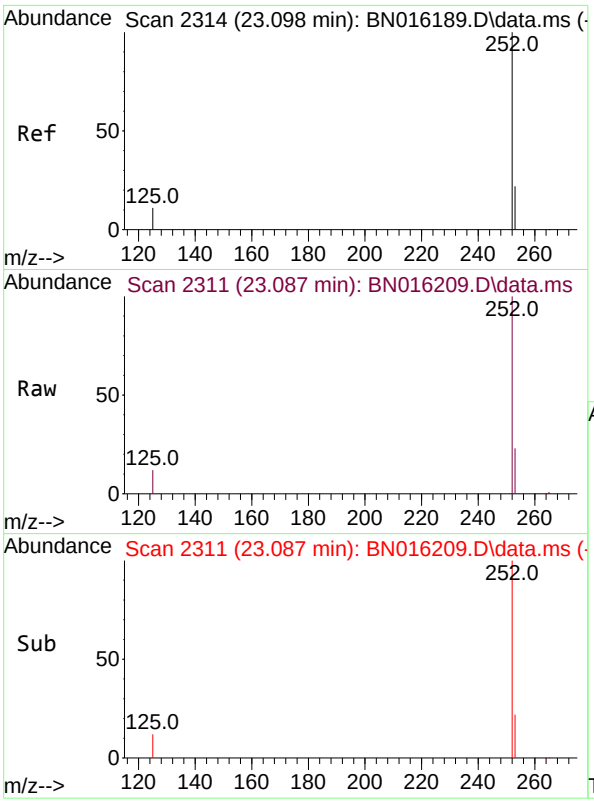


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.435 ng
RT: 26.288 min Scan# 3246
Delta R.T. -0.017 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:276 Resp: 116191

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.5	29.3
277	25.2	20.2	30.4

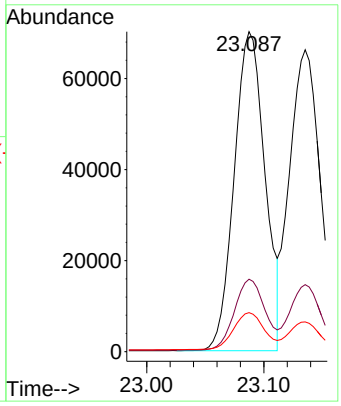




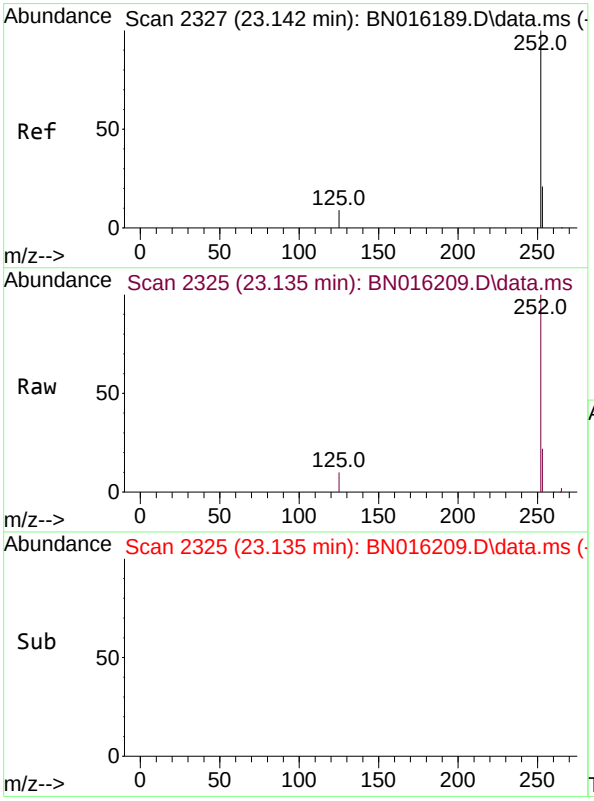
#37
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 23.087 min Scan# 2311
Delta R.T. -0.010 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:252 Resp: 127889

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	12.2	10.5	15.7



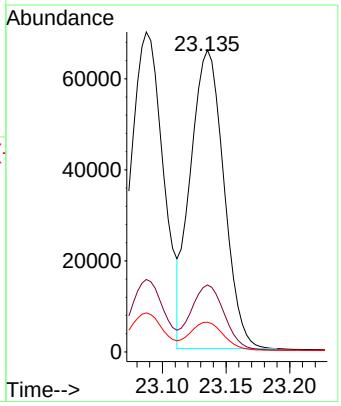
Instrument :
BNA_N
ClientSampleId :
PB138841BS



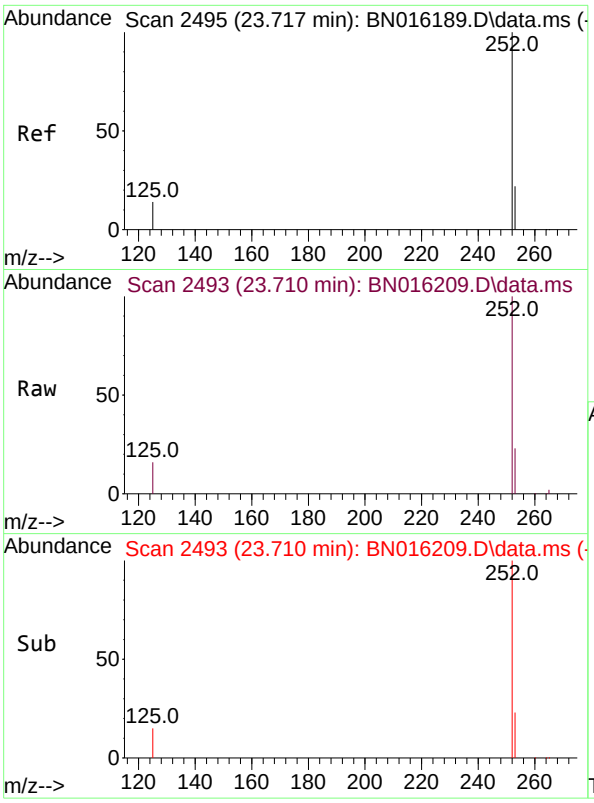
#38
Benzo(k)fluoranthene
Concen: 0.398 ng
RT: 23.135 min Scan# 2325
Delta R.T. -0.007 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:252 Resp: 119560

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	9.9	9.1	13.7



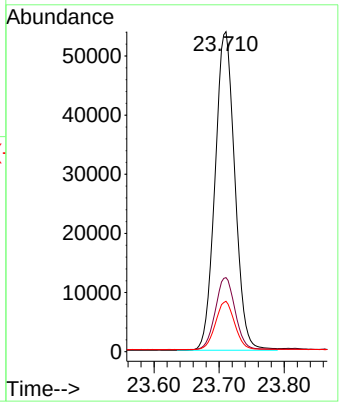
Instrument :
BNA_N
ClientSampleId :
PB138841BS

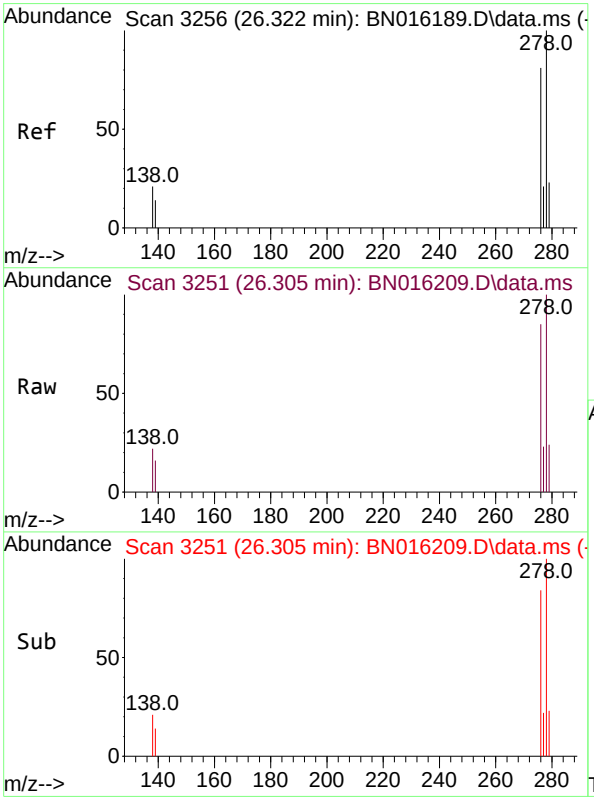


#39
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.710 min Scan# 2493
Delta R.T. -0.007 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:252 Resp: 113850

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.4
125	15.7	12.6	19.0

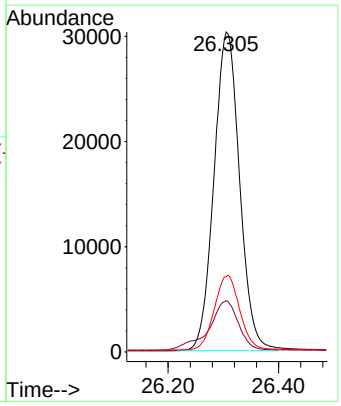


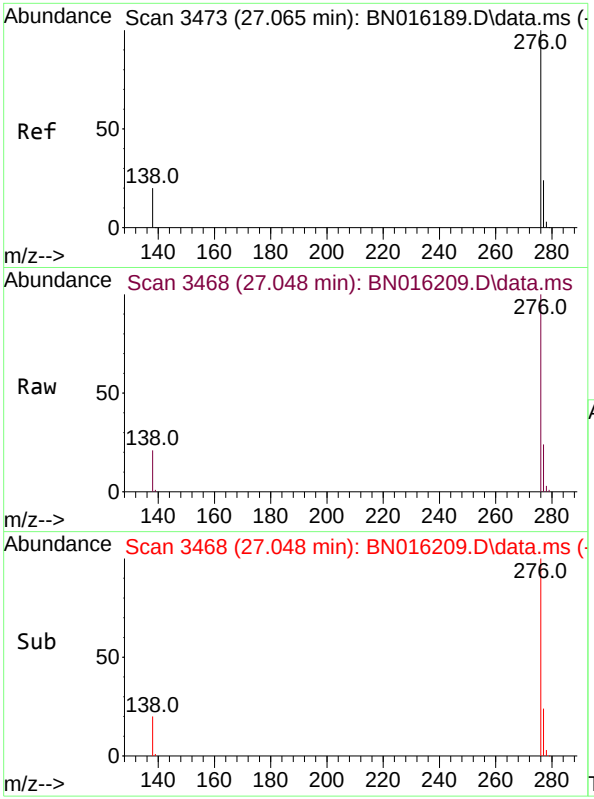


#40
Dibenzo(a,h)anthracene
Concen: 0.436 ng
RT: 26.305 min Scan# 3251
Delta R.T. -0.017 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:278 Resp: 97357

Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.0	21.0
279	23.5	20.2	30.2

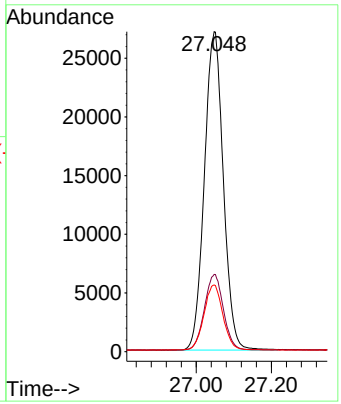




#41
Benzo(g,h,i)perylene
Concen: 0.424 ng
RT: 27.048 min Scan# 3468
Delta R.T. -0.017 min
Lab File: BN016209.D
Acq: 05 Sep 2021 01:56

Tgt Ion:276 Resp: 95280

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.3	30.5
138	20.8	17.5	26.3



Instrument :
BNA_N
ClientSampleId :
PB138841BS