Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120523\
Data File : BN029047.D
Acq On : 05 Dec 2023 22:26
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Dec 06 00:42:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:39:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	952	0.400	ng		0.00
7) Naphthalene-d8	10.552	136	1980	0.400	ng		#-0.01
13) Acenaphthene-d10	14.396	164	1650	0.400	ng		0.00
19) Phenanthrene-d10	17.146	188	4416	0.400	ng		0.00
29) Chrysene-d12	21.347	240	3379	0.400	ng		0.00
35) Perylene-d12	23.670	264	3257	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	9240	3.310	ng		0.00
5) Phenol-d6	6.981	99	11607	3.703	ng		0.00
8) Nitrobenzene-d5	8.939	82	11055	5.423	ng		0.00
11) 2-Methylnaphthalene-d10	12.144	152	20153	6.075	ng		0.00
14) 2,4,6-Tribromophenol	15.893	330	8382	7.011	ng		0.00
15) 2-Fluorobiphenyl	13.028	172	41026	5.610	ng		0.00
27) Fluoranthene-d10	19.185	212	66322	5.496	ng		0.00
31) Terphenyl-d14	19.794	244	40200	3.395	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.326	88	3314	3.700	ng		98
3) n-Nitrosodimethylamine	3.666	42	2596	2.254	ng	#	72
6) bis(2-Chloroethyl)ether	7.226	93	8603	3.318	ng		99
9) Naphthalene	10.605	128	28401	4.539	ng		95
10) Hexachlorobutadiene	10.872	225	12234	8.230	ng	#	99
12) 2-Methylnaphthalene	12.219	142	23469	5.734	ng		98
16) Acenaphthylene	14.118	152	44070	5.012	ng		100
17) Acenaphthene	14.460	154	27168	4.694	ng		99
18) Fluorene	15.455	166	43411	5.697	ng		96
20) 4,6-Dinitro-2-methylph...	15.545	198	7727	7.778	ng	#	64
21) 4-Bromophenyl-phenylether	16.352	248	19175	6.064	ng	#	94
22) Hexachlorobenzene	16.439	284	20590	5.374	ng		98
23) Atrazine	16.638	200	16612	6.019	ng		94
24) Pentachlorophenol	16.799	266	12488	6.890	ng		99
25) Phenanthrene	17.184	178	69332	4.736	ng		99
26) Anthracene	17.283	178	68779	5.076	ng		99
28) Fluoranthene	19.213	202	95547	5.990	ng		100
30) Pyrene	19.580	202	97620	4.711	ng		100
32) Benzo(a)anthracene	21.338	228	84032	5.692	ng		96
33) Chrysene	21.383	228	81043	5.595	ng		99
34) Bis(2-ethylhexyl)phtha...	21.275	149	48152	2.610	ng		99
36) Indeno(1,2,3-cd)pyrene	26.047	276	82055	5.606	ng		99
37) Benzo(b)fluoranthene	22.965	252	85649	6.148	ng	#	88
38) Benzo(k)fluoranthene	23.012	252	80992	6.184	ng	#	89
39) Benzo(a)pyrene	23.567	252	71297	5.780	ng	#	84
40) Dibenzo(a,h)anthracene	26.070	278	64265	5.674	ng	#	89
41) Benzo(g,h,i)perylene	26.775	276	67148	5.293	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120523\
Data File : BN029047.D
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Misc :
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Instrument :
BNA_N
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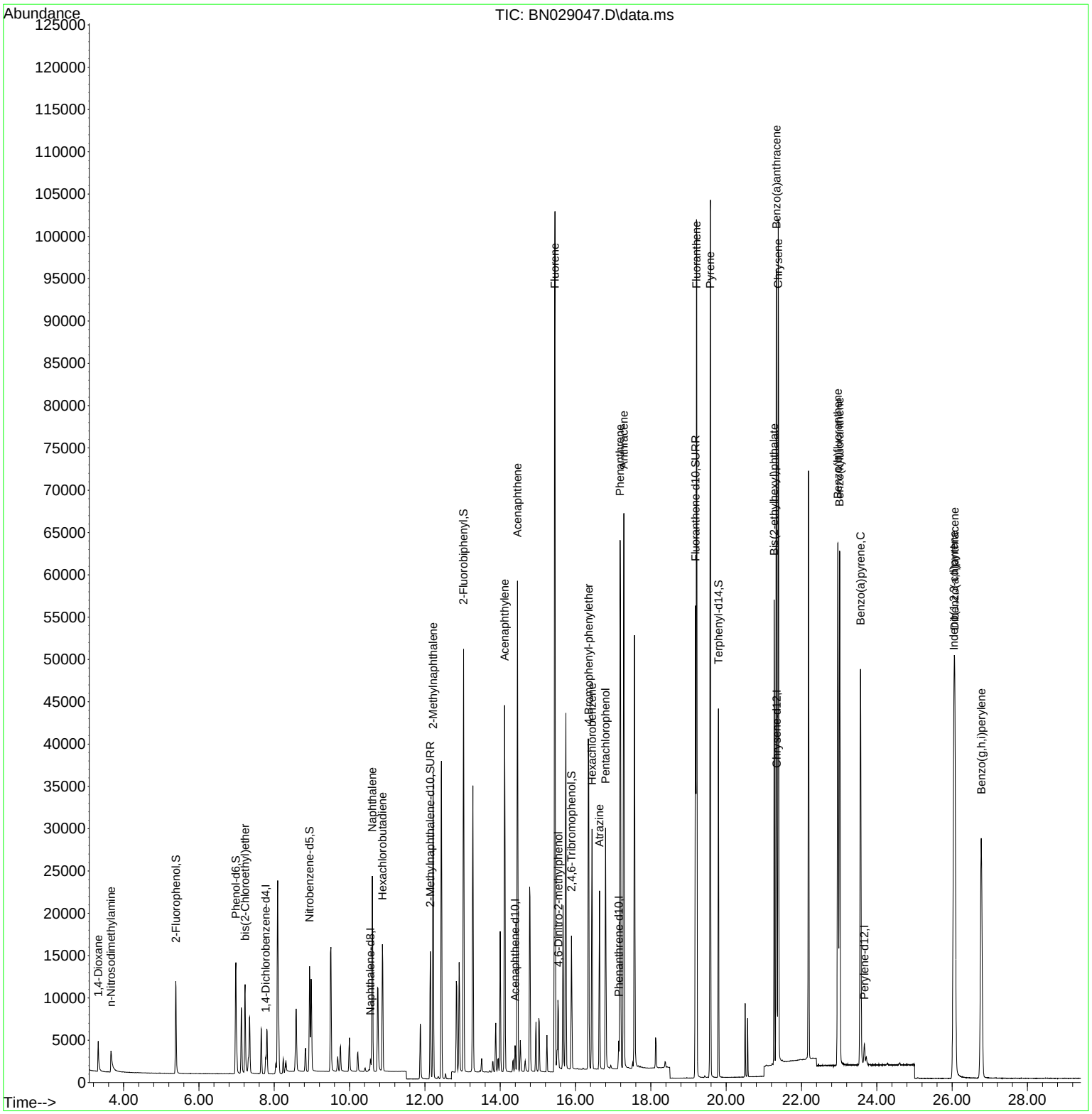
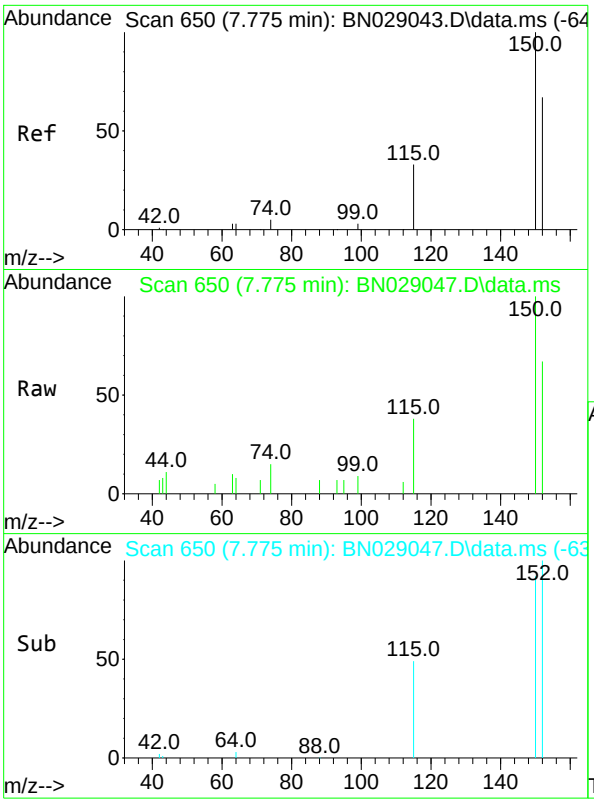
Quant Time: Dec 06 00:42:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:39:04 2023
Response via : Initial Calibration



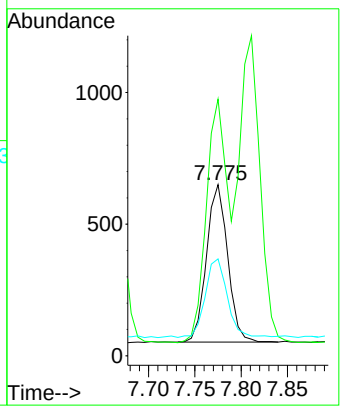


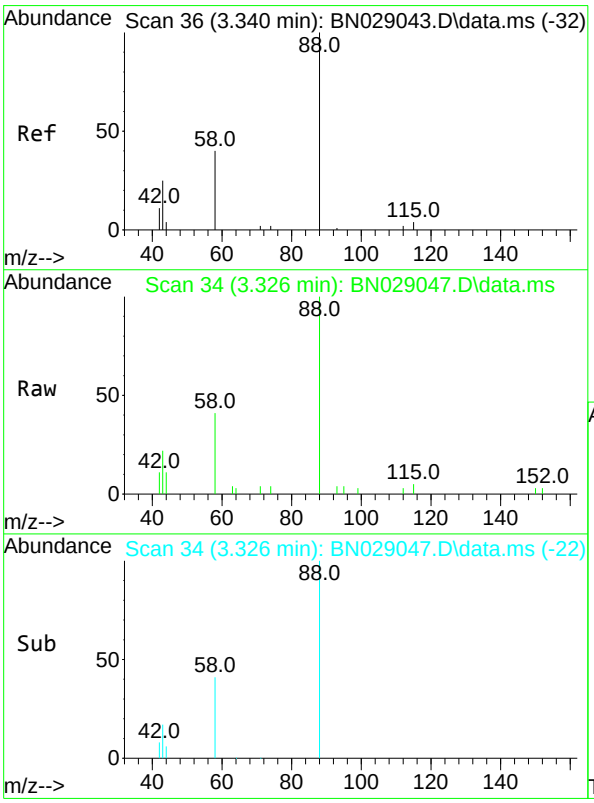
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 952

Ion	Ratio	Lower	Upper
152	100		
150	150.0	116.2	174.4
115	56.6	45.1	67.7

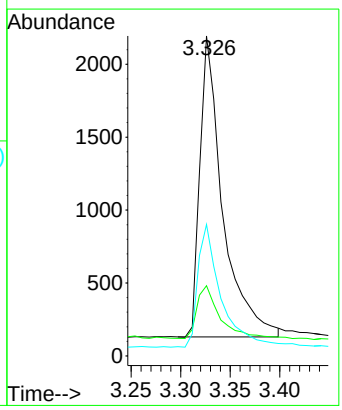


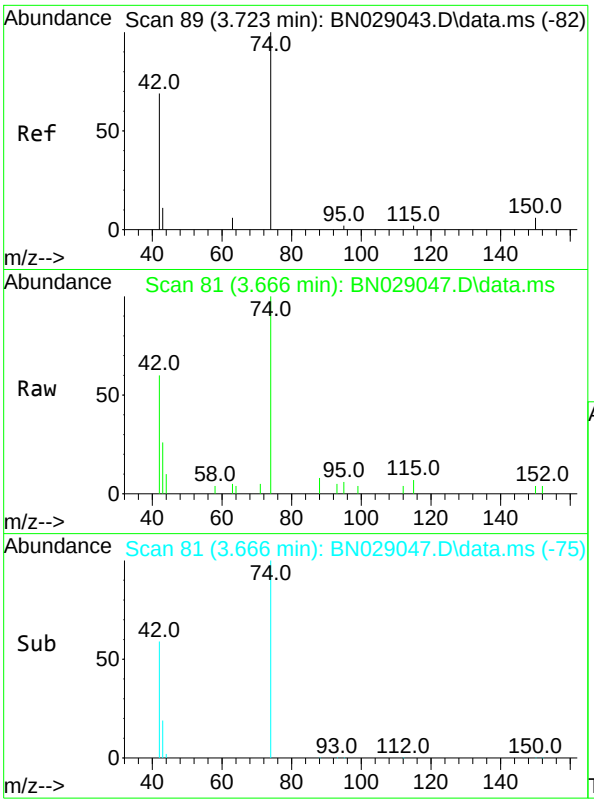


#2
1,4-Dioxane
Concen: 3.700 ng
RT: 3.326 min Scan# 34
Delta R.T. -0.014 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion: 88 Resp: 3314

Ion	Ratio	Lower	Upper
88	100		
43	17.6	15.6	23.4
58	41.1	33.2	49.8



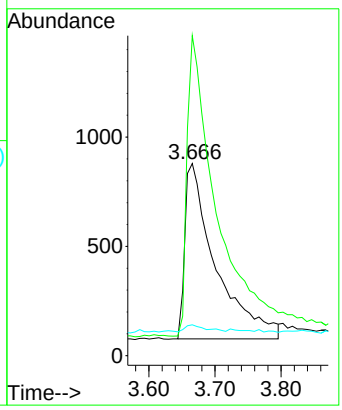


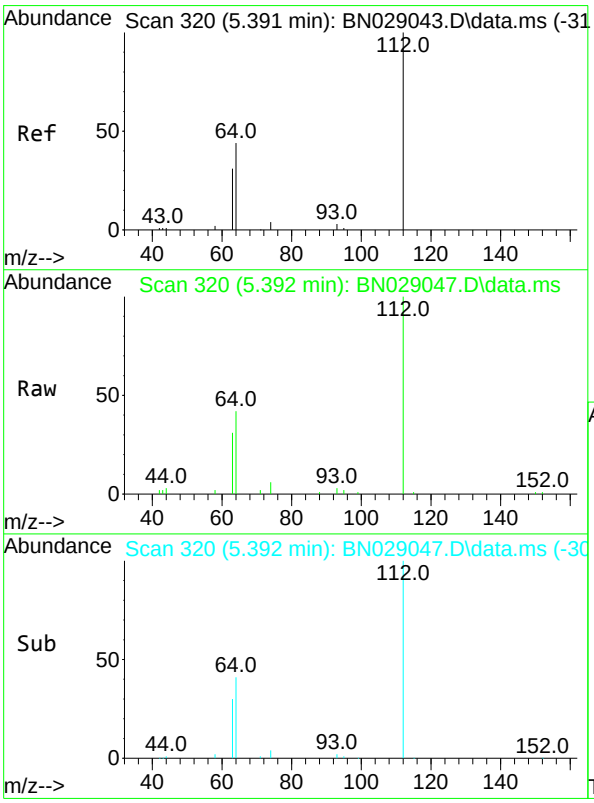
#3
n-Nitrosodimethylamine
Concen: 2.254 ng
RT: 3.666 min Scan# 8
Delta R.T. -0.058 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 2596

Ion	Ratio	Lower	Upper
42	100		
74	165.9	106.3	159.5#
44	2.6	0.0	0.0#

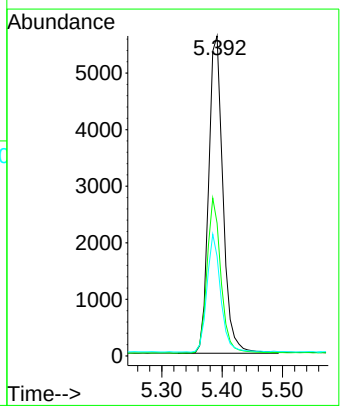


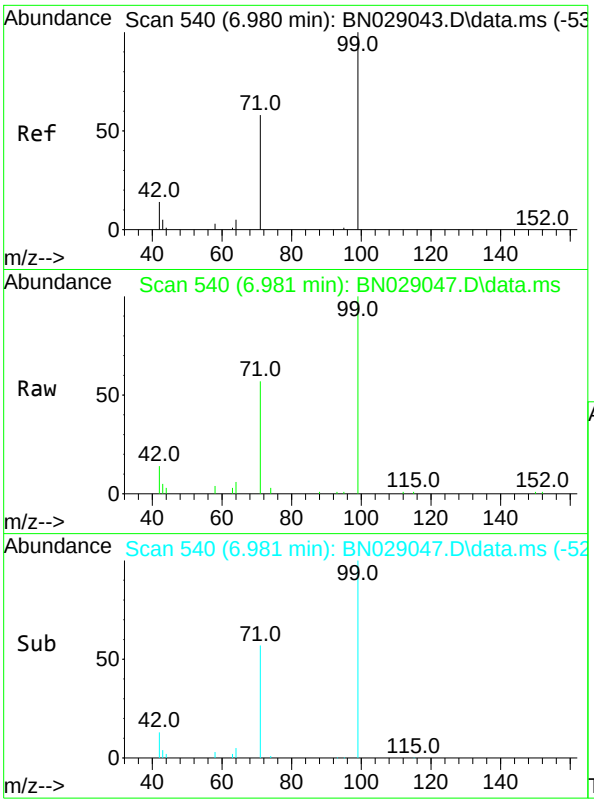


#4
2-Fluorophenol
Concen: 3.310 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:112 Resp: 9240

Ion	Ratio	Lower	Upper
112	100		
64	47.5	37.0	55.6
63	35.3	29.0	43.6



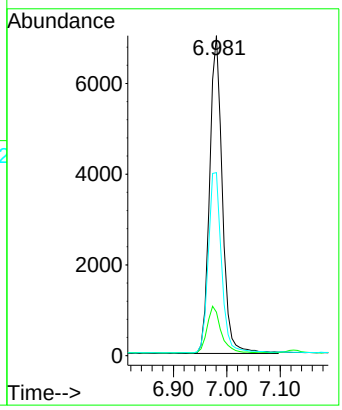


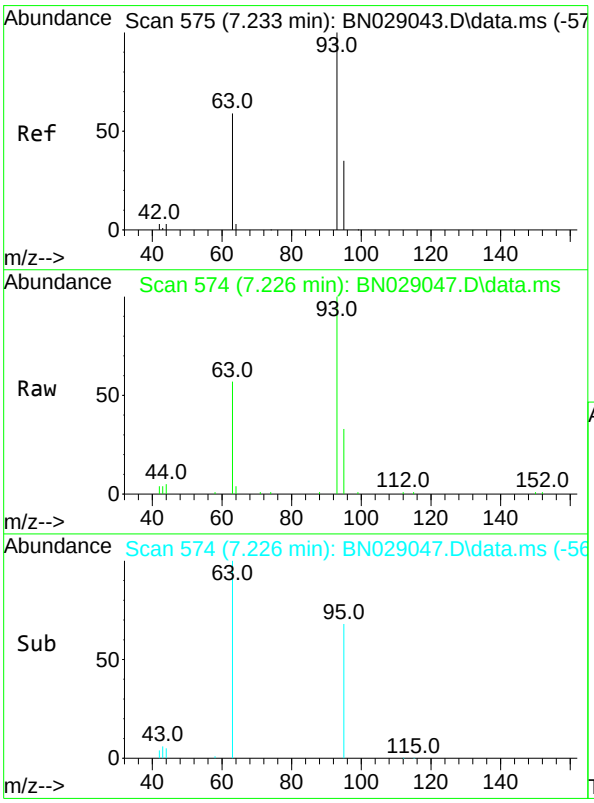
#5
Phenol-d6
Concen: 3.703 ng
RT: 6.981 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 11607

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.4	20.2
71	59.2	47.8	71.6

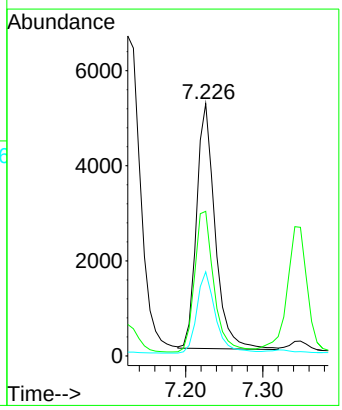


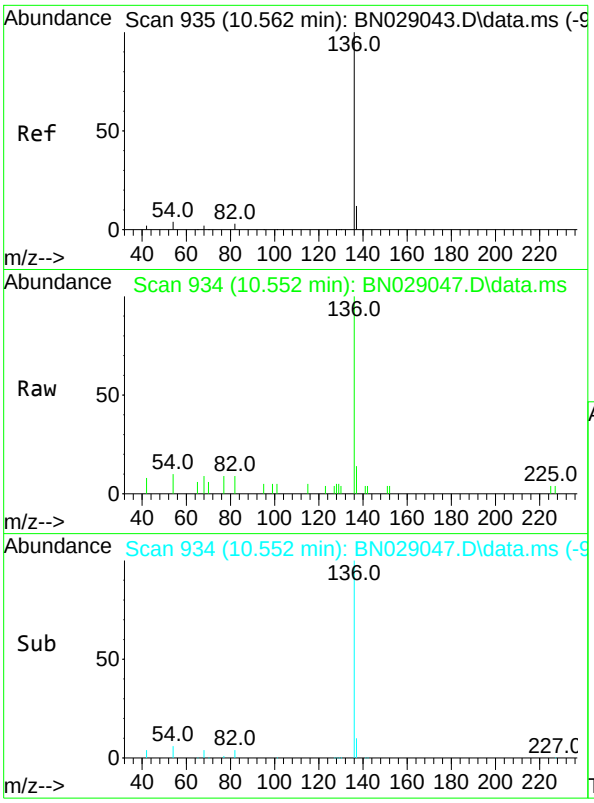


#6
bis(2-Chloroethyl)ether
Concen: 3.318 ng
RT: 7.226 min Scan# 574
Delta R.T. -0.007 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion: 93 Resp: 8603

Ion	Ratio	Lower	Upper
93	100		
63	60.2	48.4	72.6
95	33.4	28.1	42.1



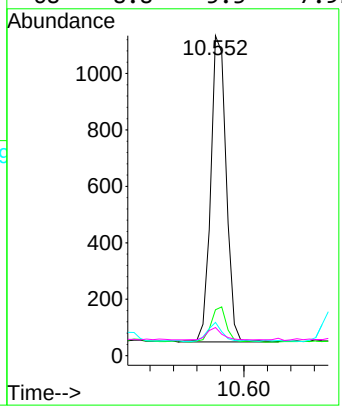


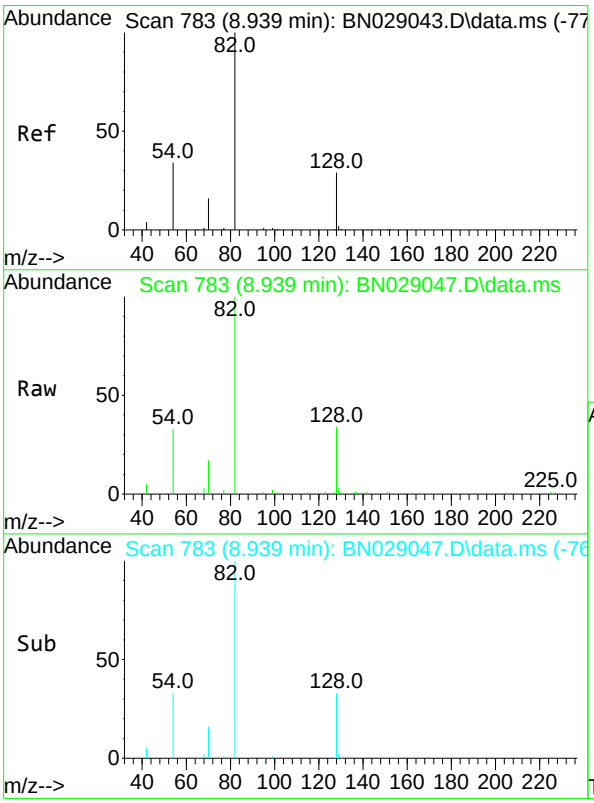
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 1980

Ion	Ratio	Lower	Upper
136	100		
137	14.4	11.9	17.9
54	10.4	6.4	9.6#
68	8.8	5.3	7.9#

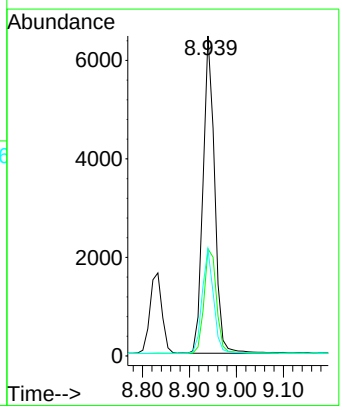


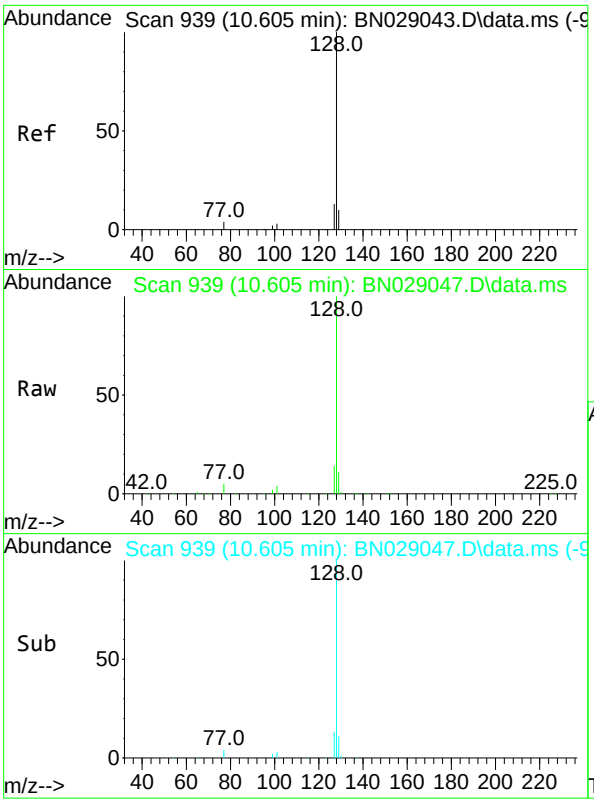


#8
Nitrobenzene-d5
Concen: 5.423 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion: 82 Resp: 11055

Ion	Ratio	Lower	Upper
82	100		
128	33.5	28.2	42.4
54	33.4	32.1	48.1



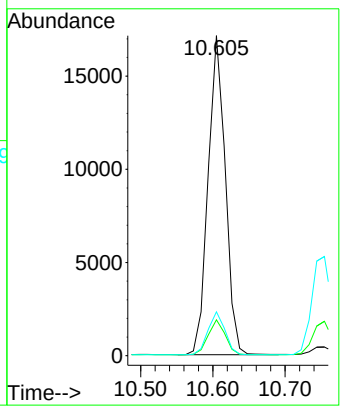


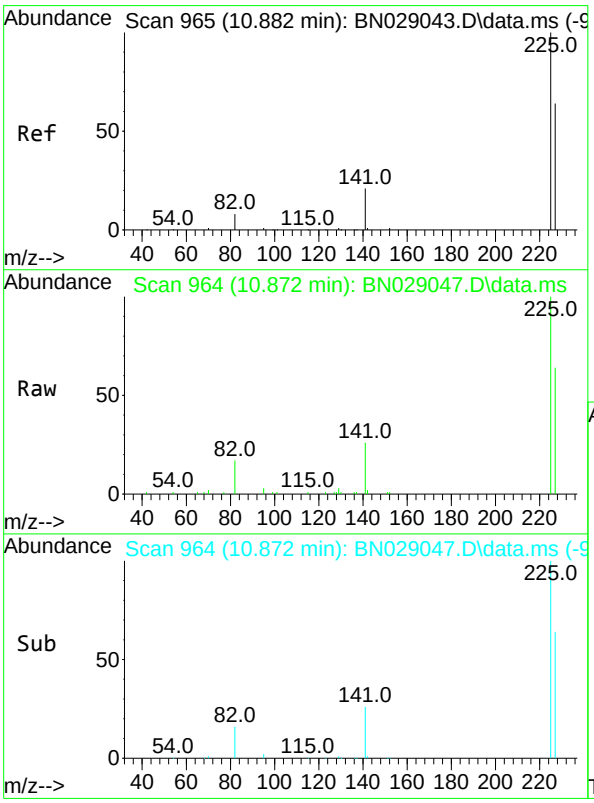
#9
Naphthalene
Concen: 4.539 ng
RT: 10.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 28401

Ion	Ratio	Lower	Upper
128	100		
129	11.2	10.5	15.7
127	13.7	12.5	18.7

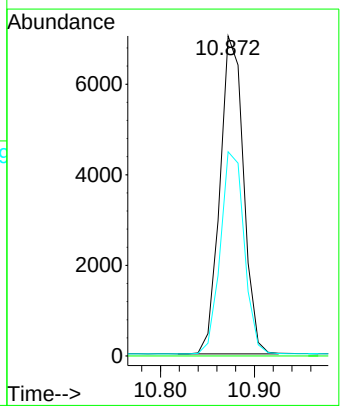


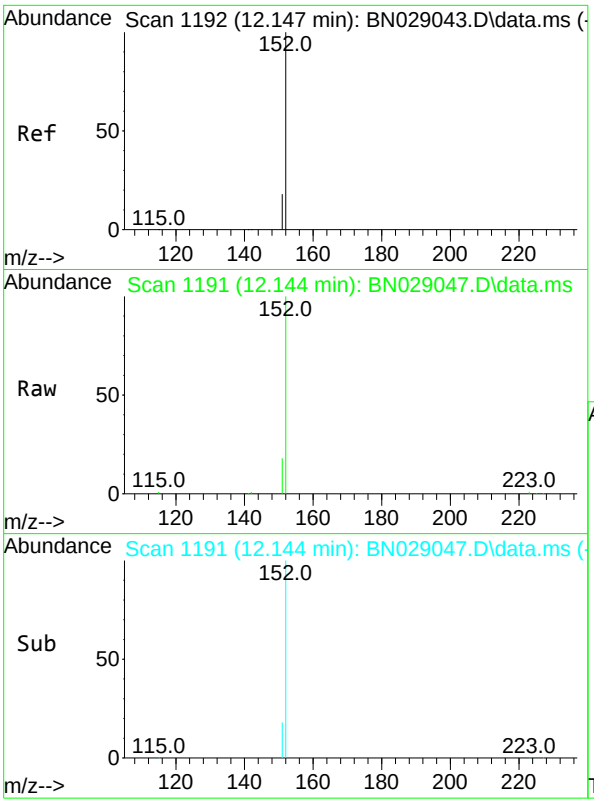


#10
Hexachlorobutadiene
Concen: 8.230 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.011 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:225 Resp: 12234

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.7	76.1



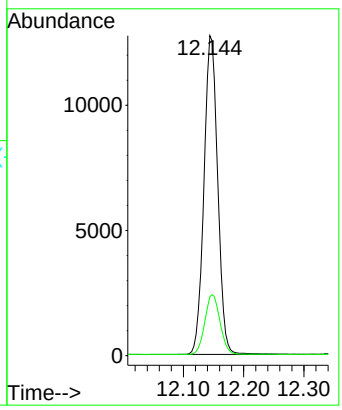


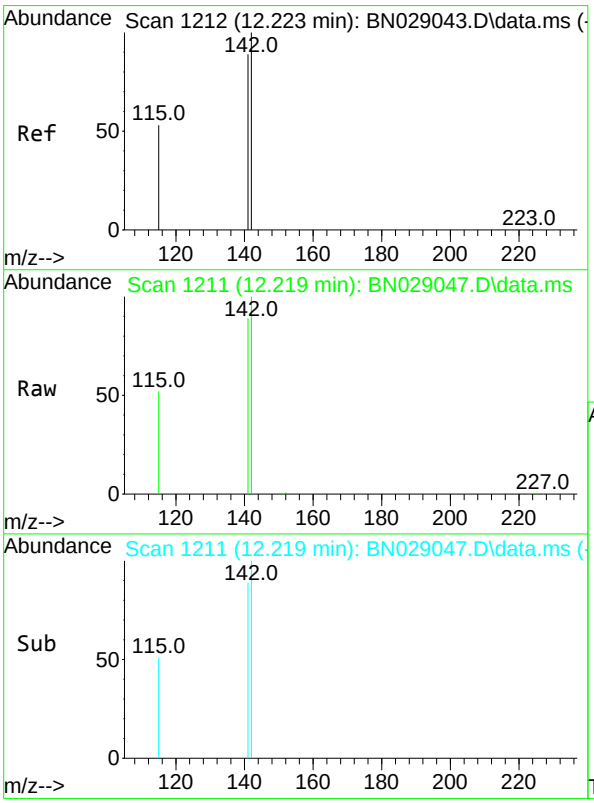
#11
2-Methylnaphthalene-d10
Concen: 6.075 ng
RT: 12.144 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 20153

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.4	26.0

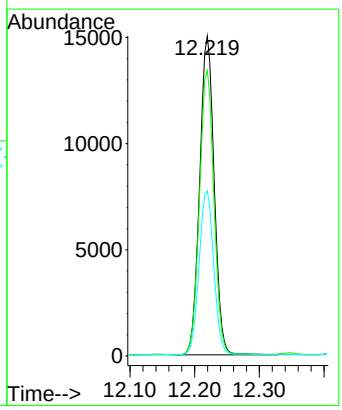


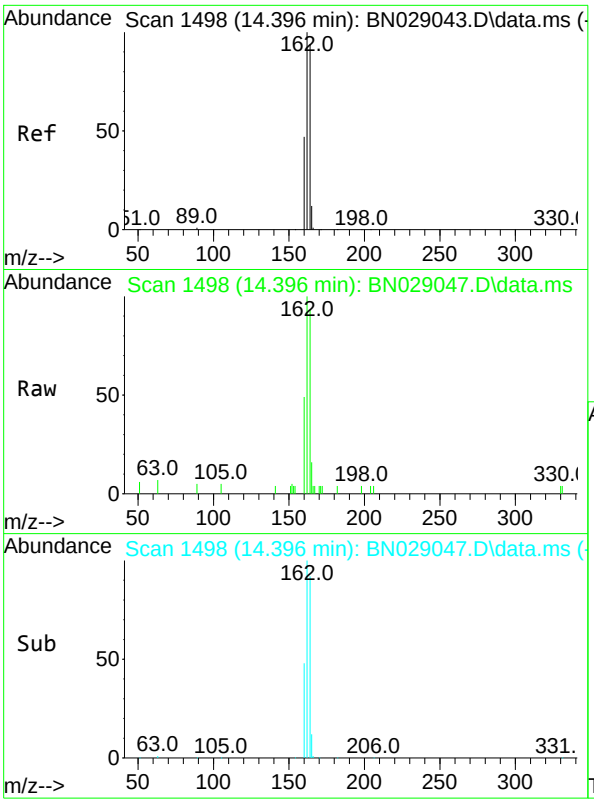


#12
2-Methylnaphthalene
Concen: 5.734 ng
RT: 12.219 min Scan# 1211
Delta R.T. -0.004 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:142 Resp: 23469

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.1	106.7
115	51.6	44.6	66.8



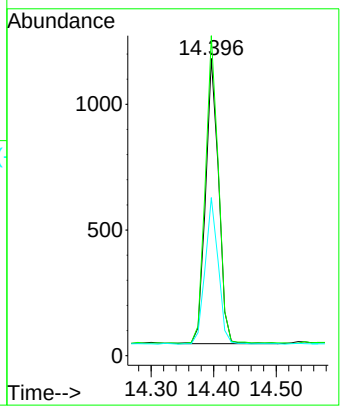


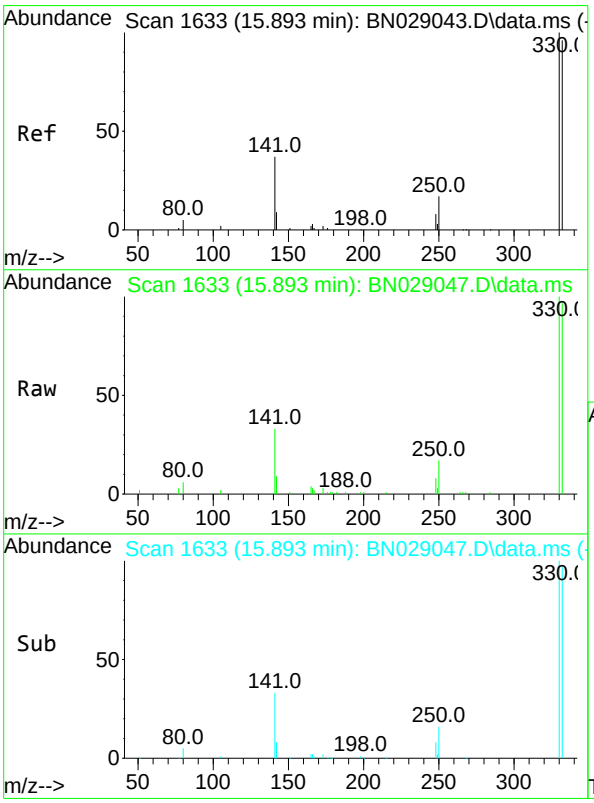
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 1650

Ion	Ratio	Lower	Upper
164	100		
162	107.7	85.0	127.6
160	53.2	41.3	61.9

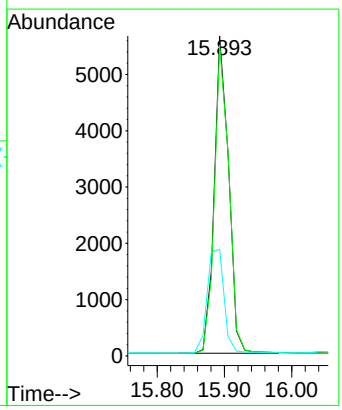


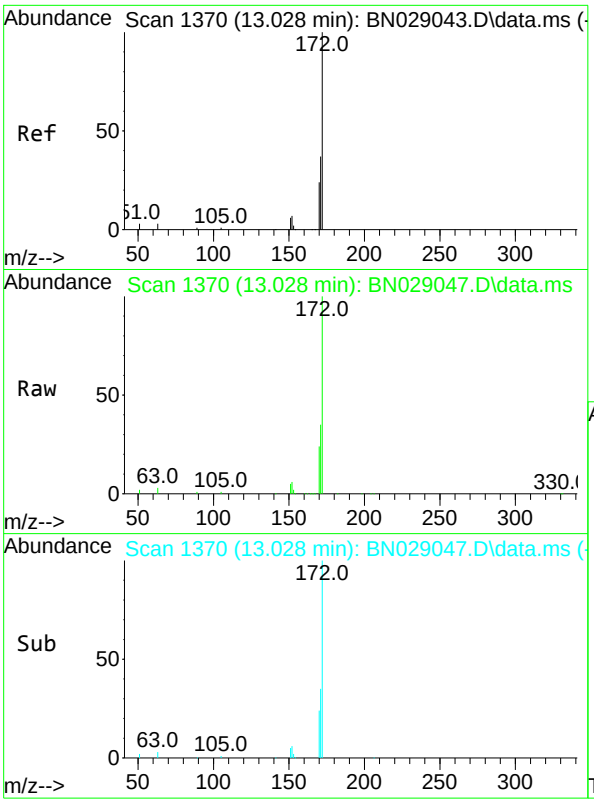


#14
2,4,6-Tribromophenol
Concen: 7.011 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:330 Resp: 8382

Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.8	118.2
141	38.5	28.7	43.1



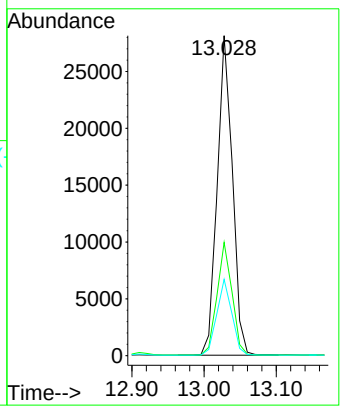


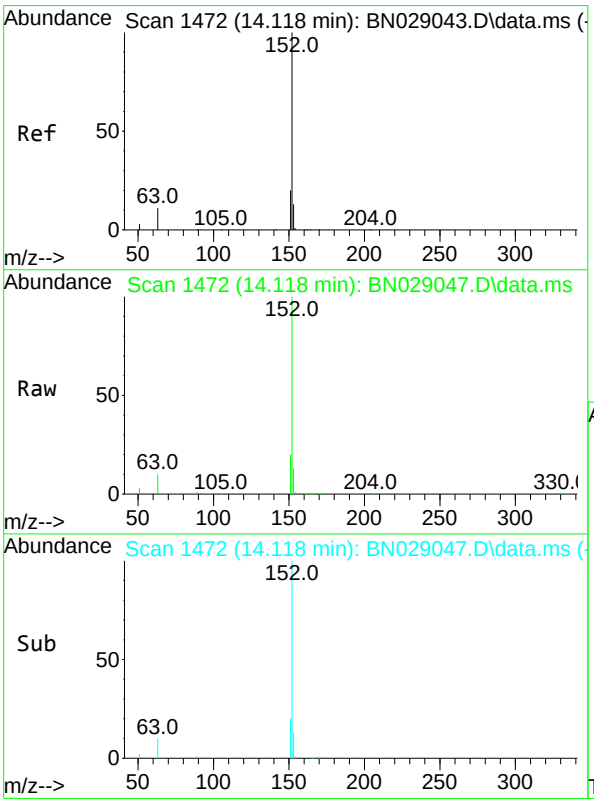
#15
2-Fluorobiphenyl
Concen: 5.610 ng
RT: 13.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 41026

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.1	45.1
170	23.9	20.3	30.5

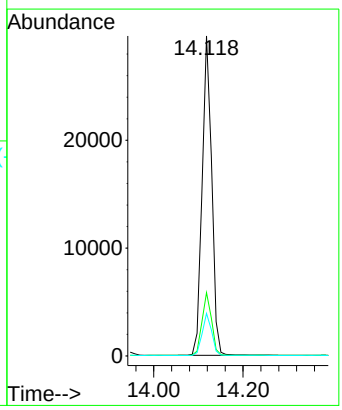


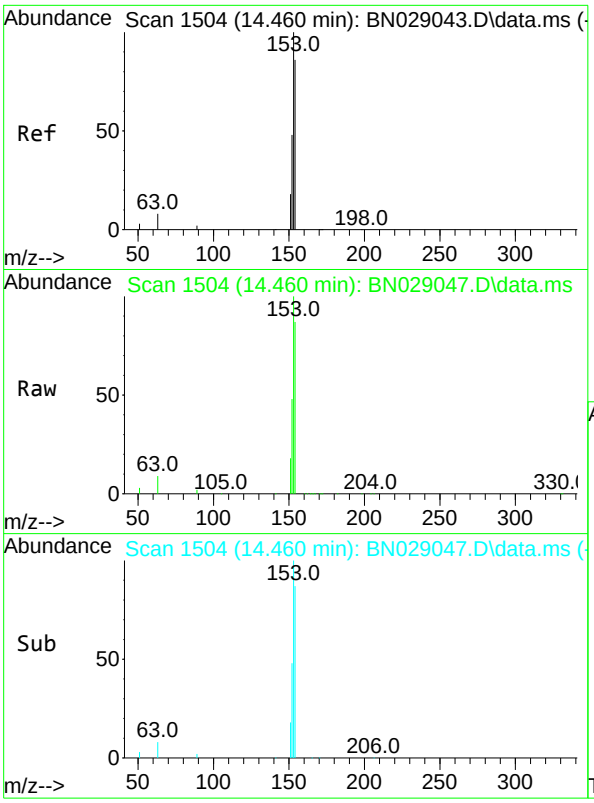


#16
Acenaphthylene
Concen: 5.012 ng
RT: 14.118 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:152 Resp: 44070

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.3	15.5



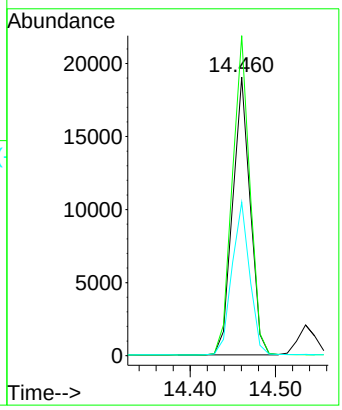


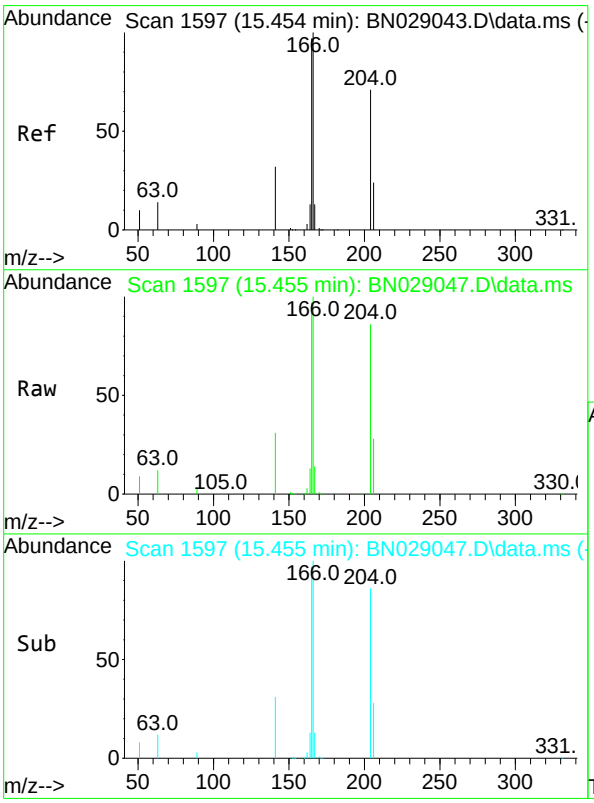
#17
Acenaphthene
Concen: 4.694 ng
RT: 14.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 27168

Ion	Ratio	Lower	Upper
154	100		
153	115.1	93.0	139.6
152	55.7	44.2	66.4

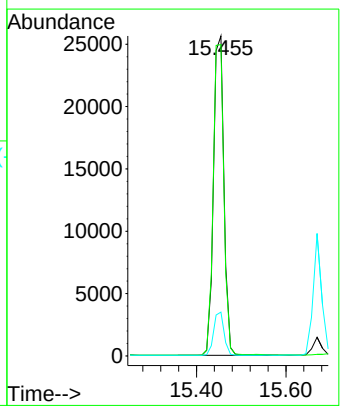


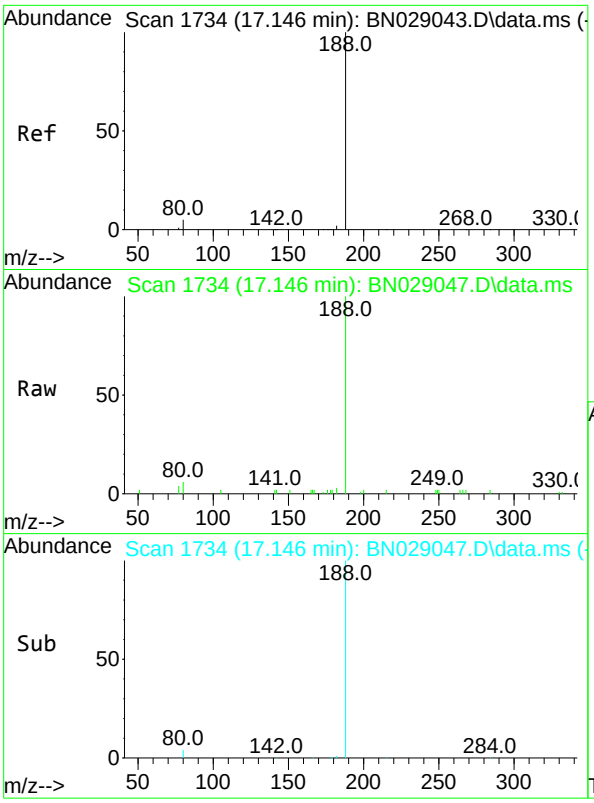


#18
Fluorene
Concen: 5.697 ng
RT: 15.455 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:166 Resp: 43411

Ion	Ratio	Lower	Upper
166	100		
165	96.0	80.2	120.4
167	12.8	11.0	16.4



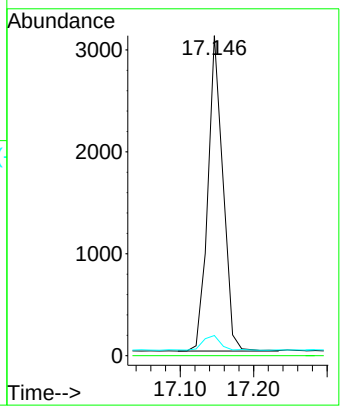


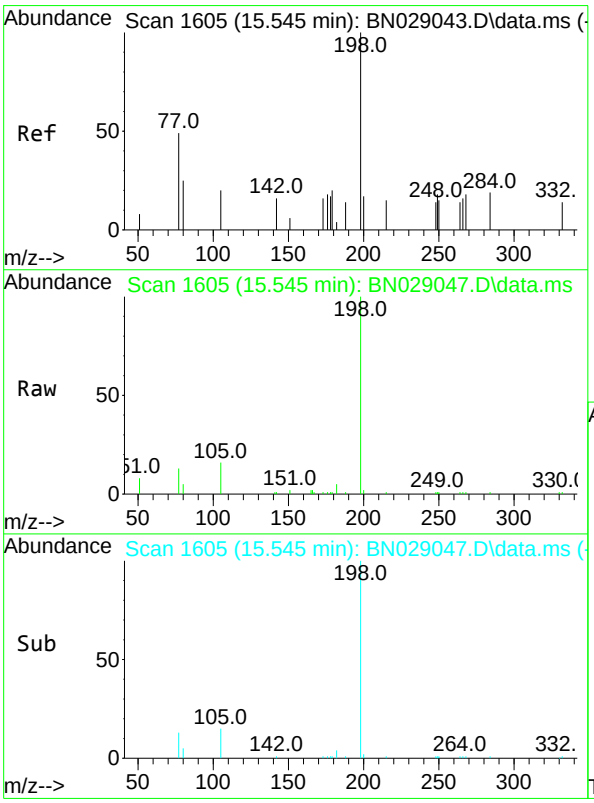
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 4416

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	5.4	8.0

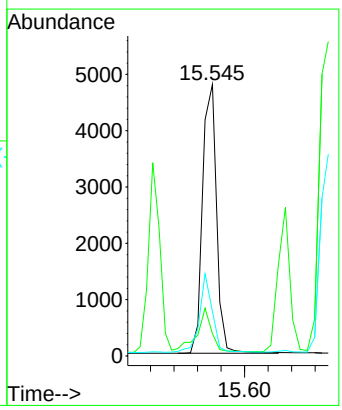


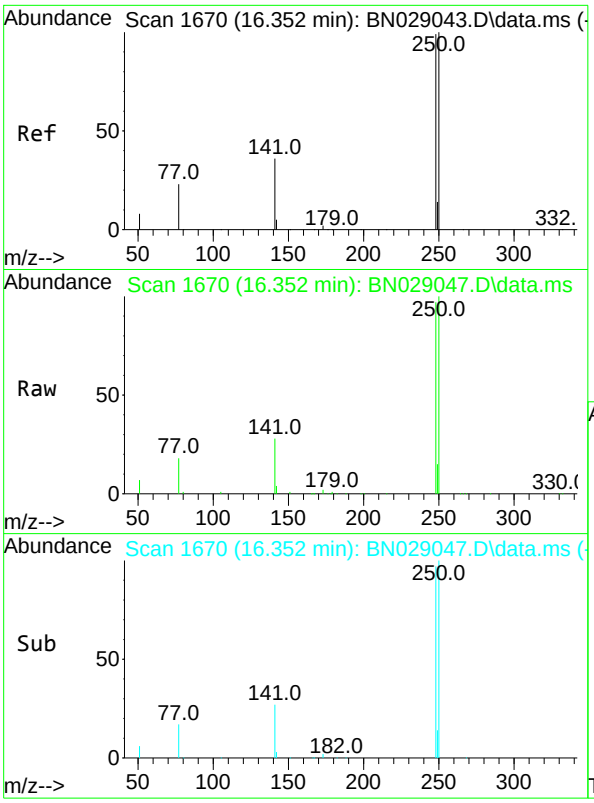


#20
4,6-Dinitro-2-methylphenol
Concen: 7.778 ng
RT: 15.545 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:198 Resp: 7727

Ion	Ratio	Lower	Upper
198	100		
51	8.2	23.4	35.2#
105	16.3	29.0	43.4#



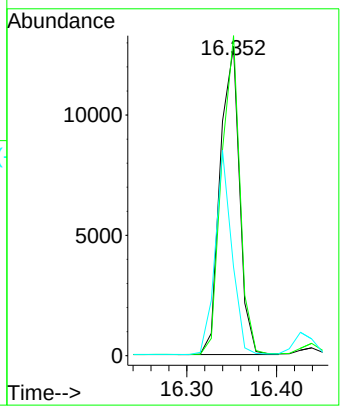


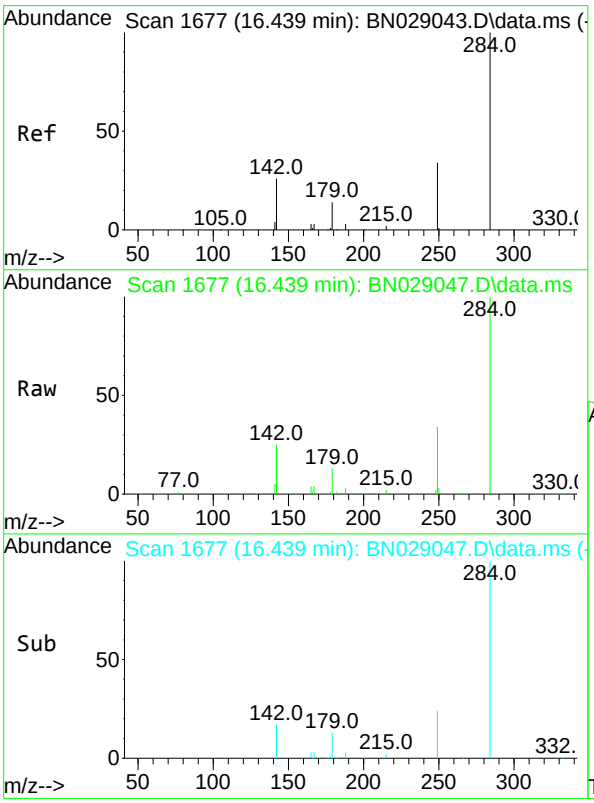
#21
4-Bromophenyl-phenylether
Concen: 6.064 ng
RT: 16.352 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 19175

Ion	Ratio	Lower	Upper
248	100		
250	103.5	81.3	121.9
141	28.6	31.2	46.8#

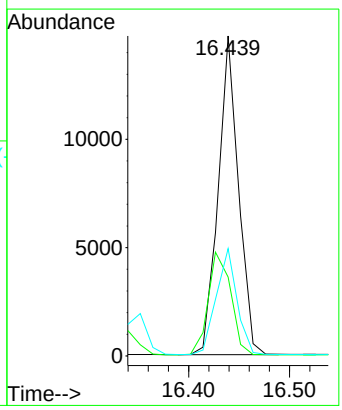


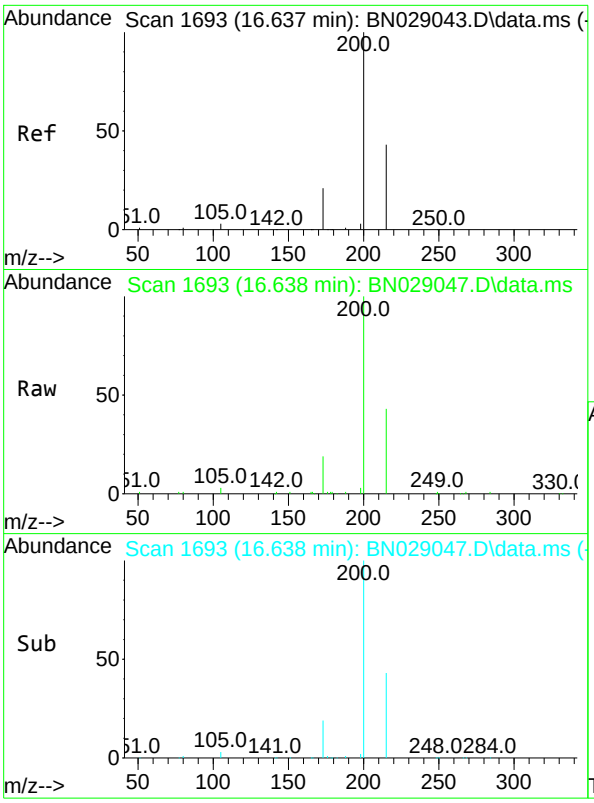


#22
Hexachlorobenzene
Concen: 5.374 ng
RT: 16.439 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:284 Resp: 20590

Ion	Ratio	Lower	Upper
284	100		
142	35.8	28.0	42.0
249	33.8	27.8	41.8



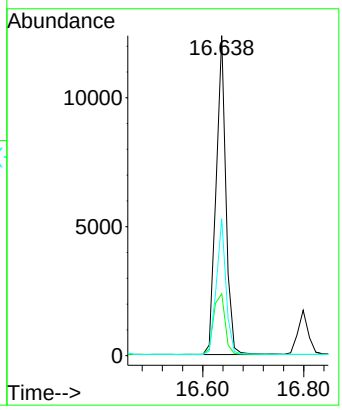


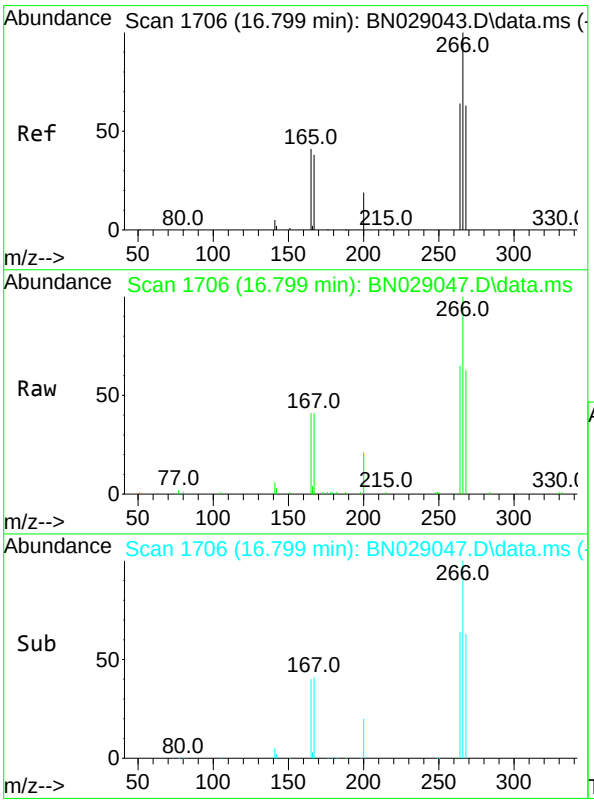
#23
Atrazine
Concen: 6.019 ng
RT: 16.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 16612

Ion	Ratio	Lower	Upper
200	100		
173	19.3	19.3	28.9
215	42.8	36.1	54.1

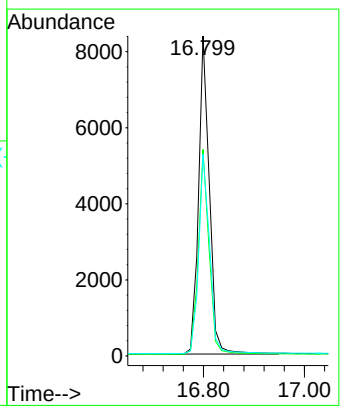


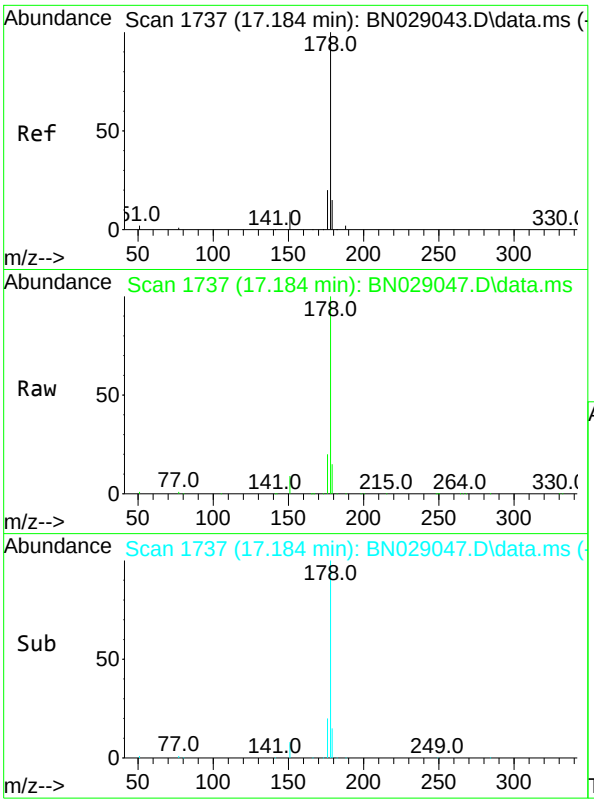


#24
Pentachlorophenol
Concen: 6.890 ng
RT: 16.799 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:266 Resp: 12488

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.7	76.1
268	63.1	49.5	74.3



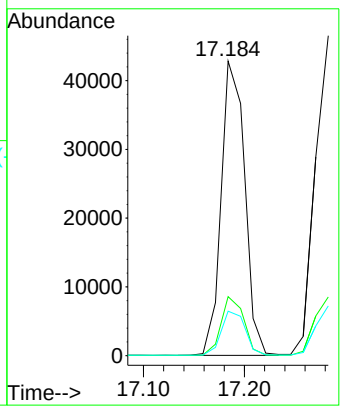


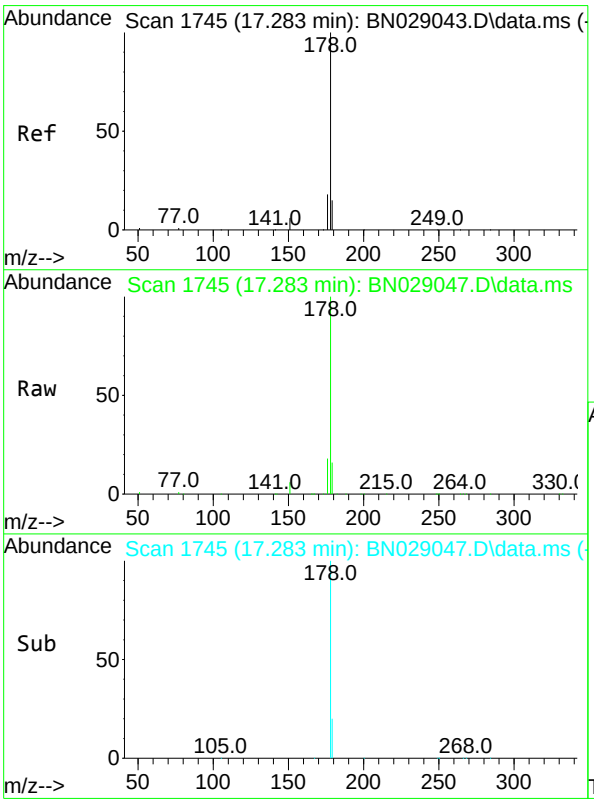
#25
Phenanthrene
Concen: 4.736 ng
RT: 17.184 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 69332

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.3	12.6	18.8

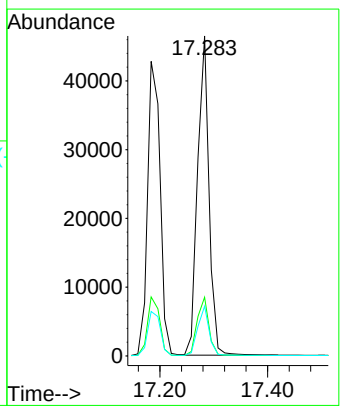


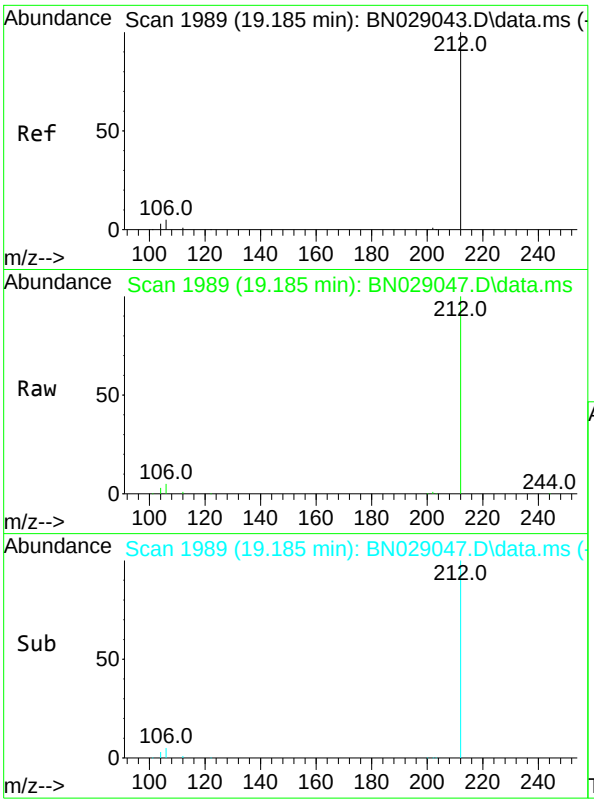


#26
Anthracene
Concen: 5.076 ng
RT: 17.283 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:178 Resp: 68779

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.2	12.6	19.0



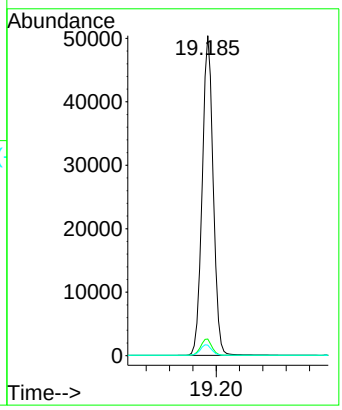


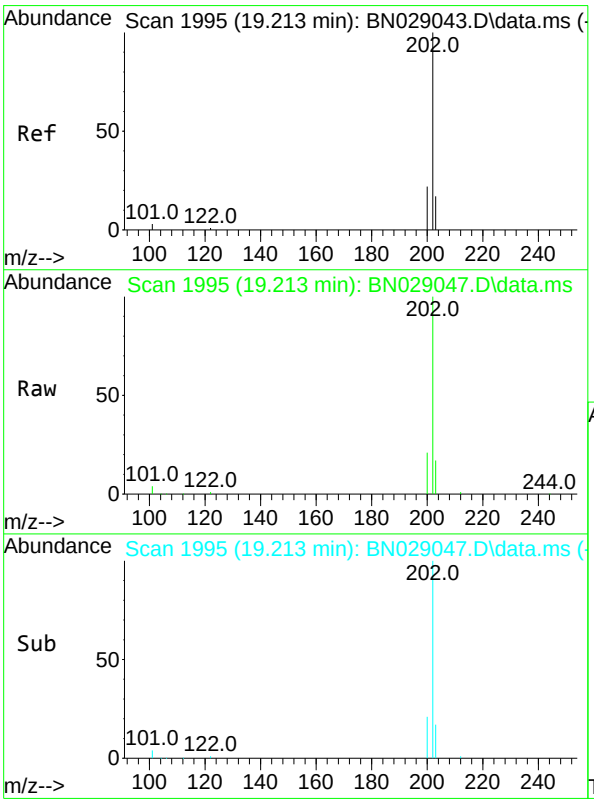
#27
Fluoranthene-d10
Concen: 5.496 ng
RT: 19.185 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 66322

Ion	Ratio	Lower	Upper
212	100		
106	5.2	3.9	5.9
104	3.3	2.6	3.8

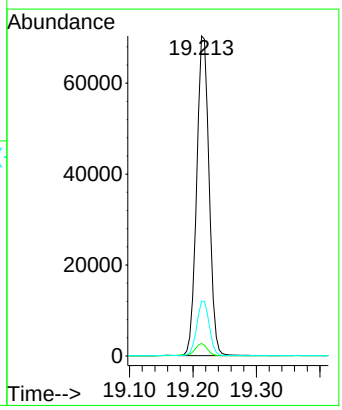


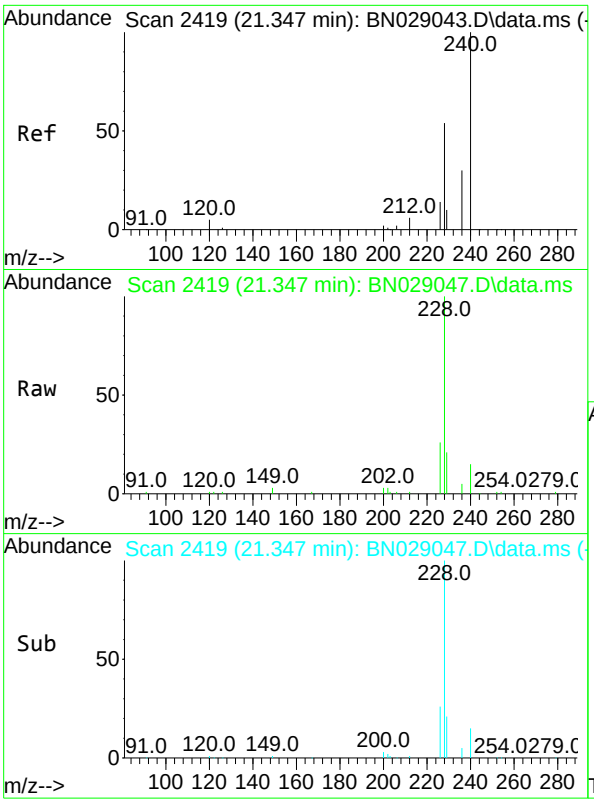


#28
Fluoranthene
Concen: 5.990 ng
RT: 19.213 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:202 Resp: 95547

Ion	Ratio	Lower	Upper
202	100		
101	3.9	3.0	4.6
203	17.2	13.8	20.6



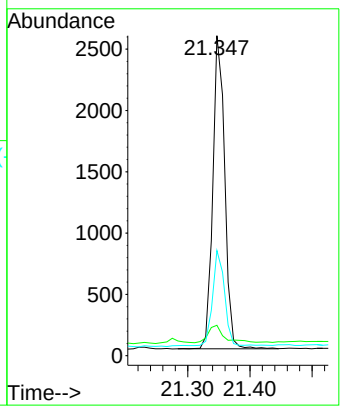


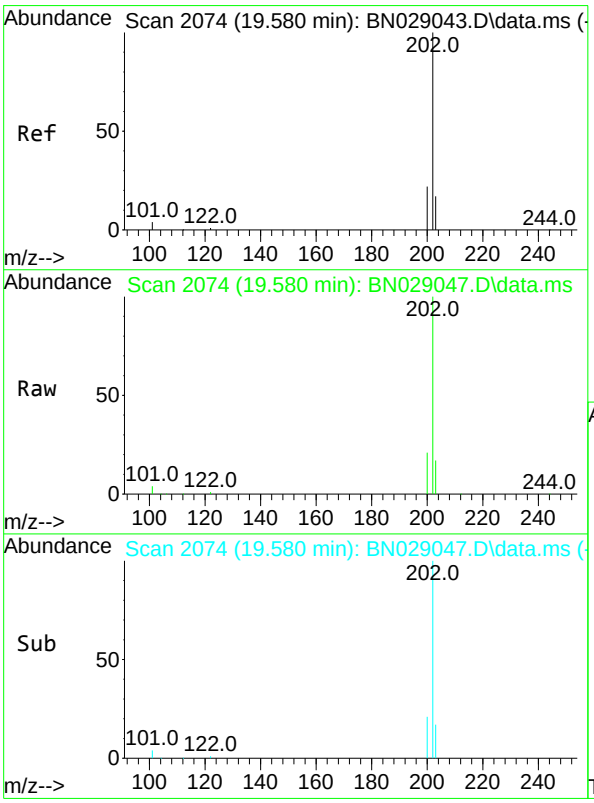
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 3379

Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.7	10.1
236	32.9	25.7	38.5

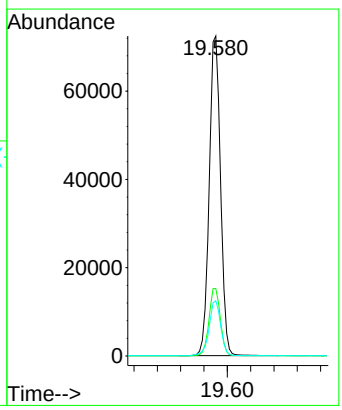


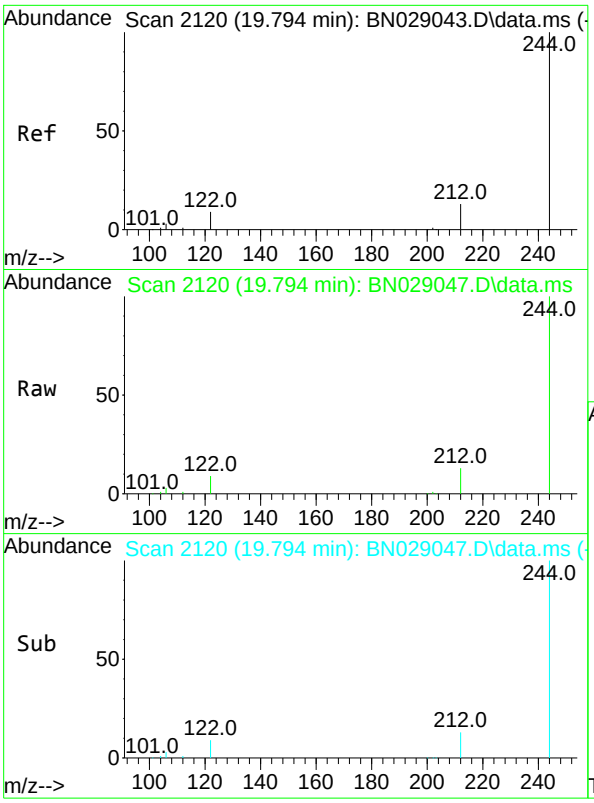


#30
Pyrene
Concen: 4.711 ng
RT: 19.580 min Scan# 2074
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:202 Resp: 97620

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.7	14.2	21.4



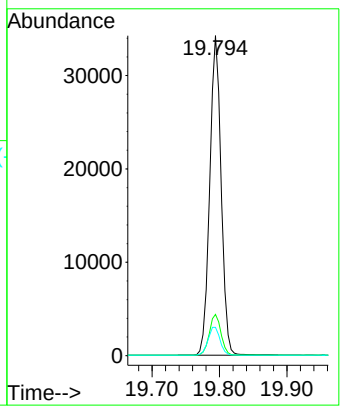


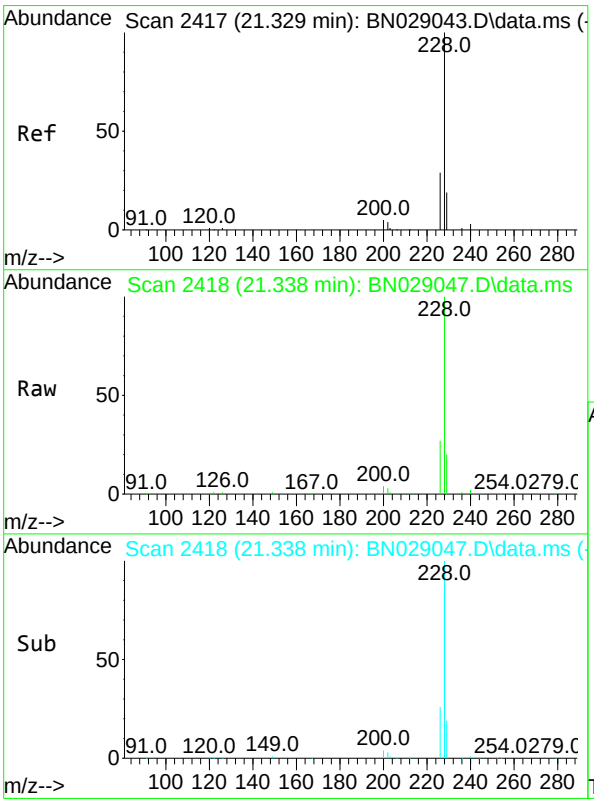
#31
Terphenyl-d14
Concen: 3.395 ng
RT: 19.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 40200

Ion	Ratio	Lower	Upper
244	100		
212	12.9	11.6	17.4
122	8.9	8.2	12.4

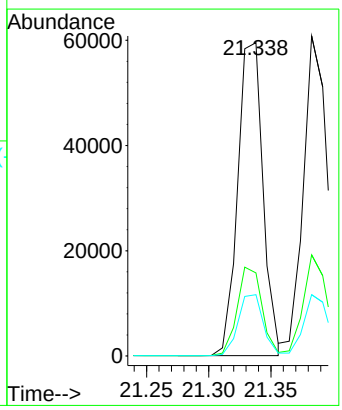


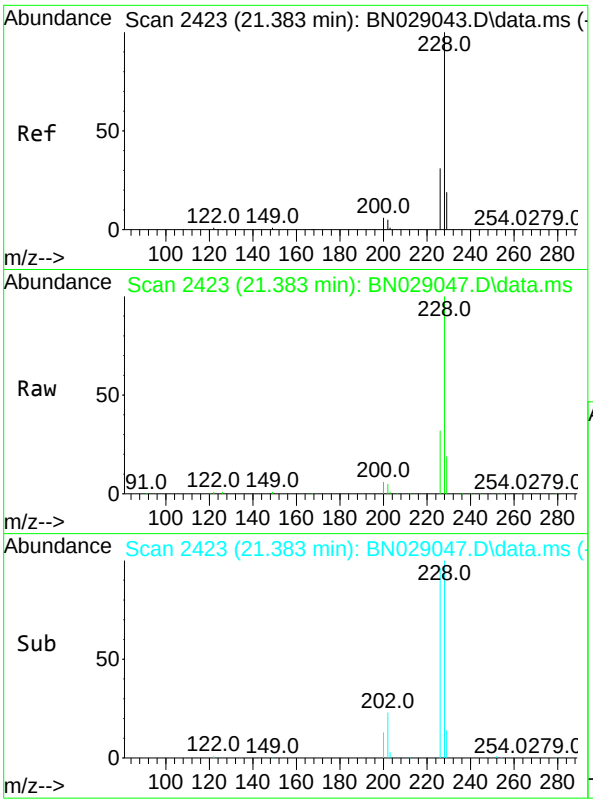


#32
Benzo(a)anthracene
Concen: 5.692 ng
RT: 21.338 min Scan# 2418
Delta R.T. 0.009 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:228 Resp: 84032

Ion	Ratio	Lower	Upper
228	100		
226	26.5	23.8	35.6
229	19.5	16.0	24.0



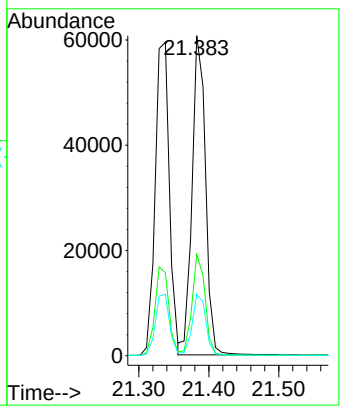


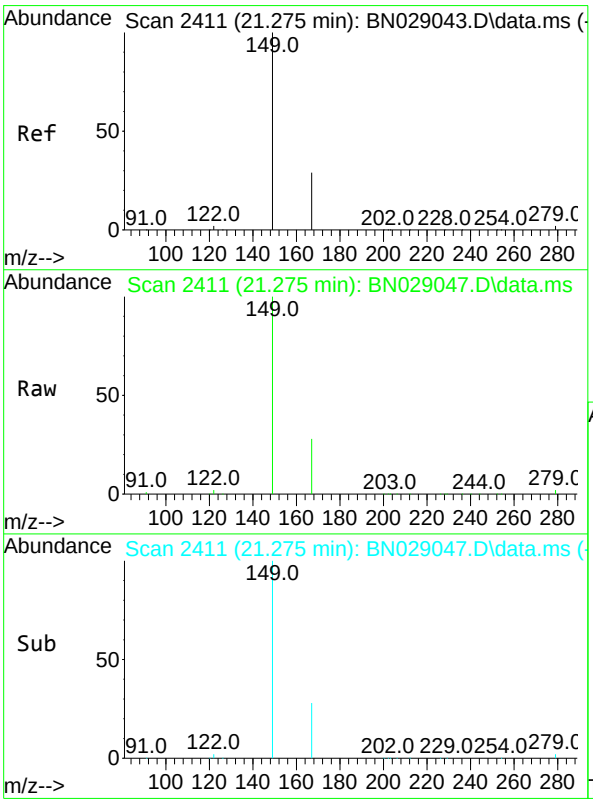
#33
Chrysene
Concen: 5.595 ng
RT: 21.383 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 81043

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.0
229	19.1	16.0	24.0

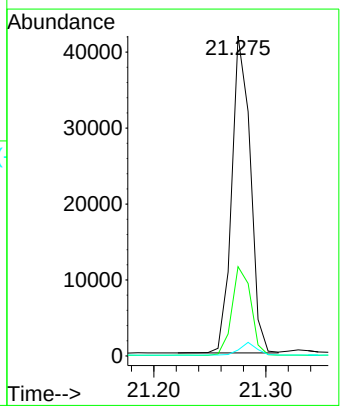


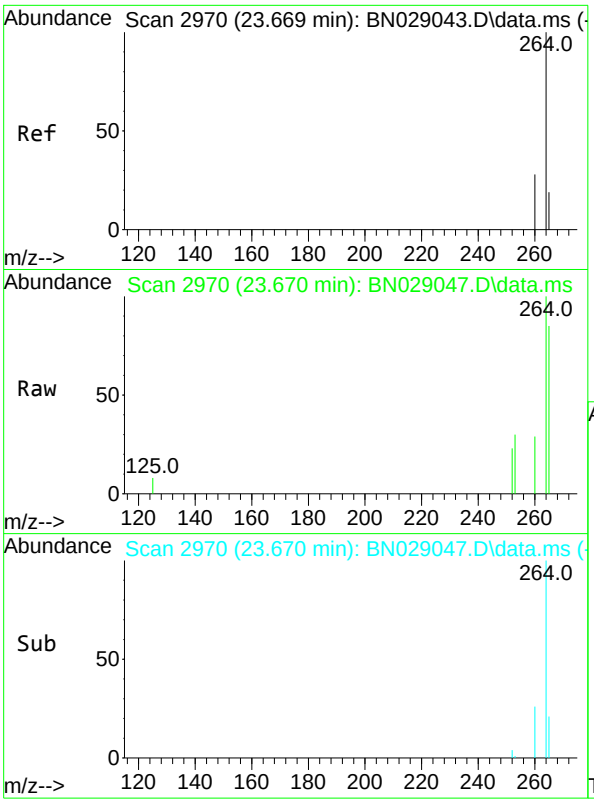


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.610 ng
RT: 21.275 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:149 Resp: 48152

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.4	35.2
279	3.7	3.4	5.2



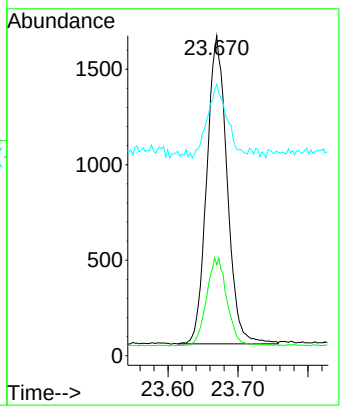


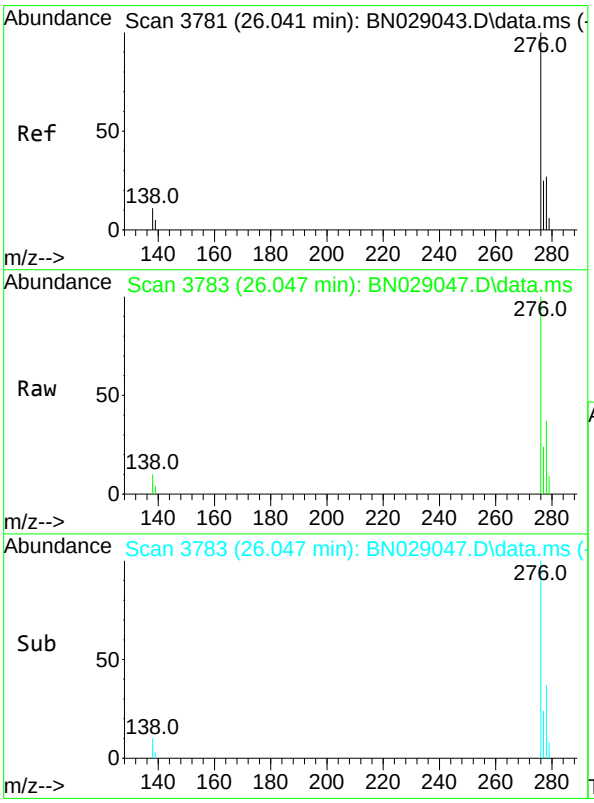
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.670 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 3257

Ion	Ratio	Lower	Upper
264	100		
260	28.5	23.9	35.9
265	84.8	52.7	79.1#

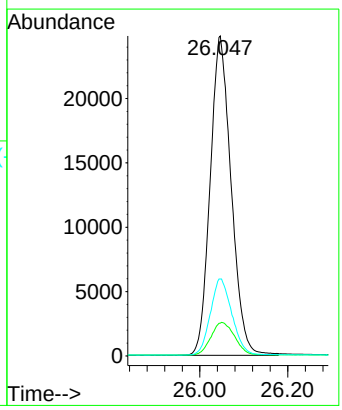


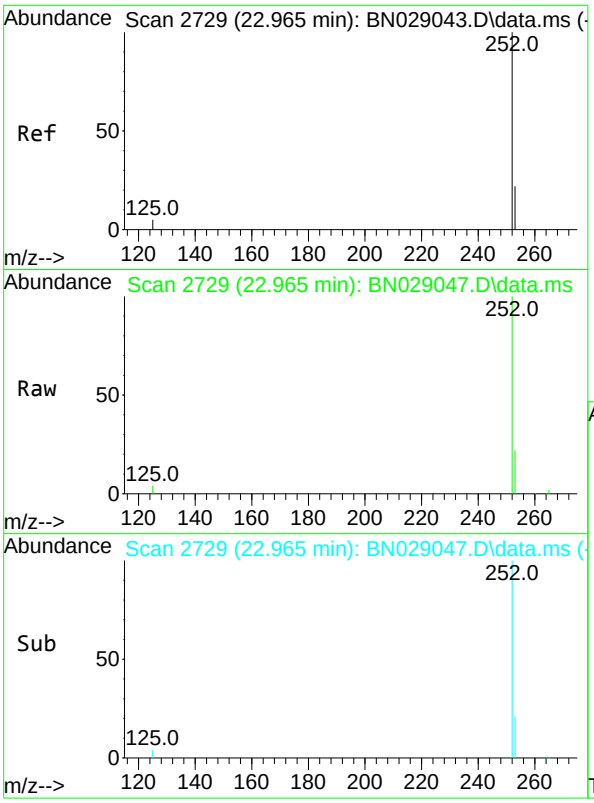


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.606 ng
RT: 26.047 min Scan# 3783
Delta R.T. 0.006 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:276 Resp: 82055

Ion	Ratio	Lower	Upper
276	100		
138	11.6	9.6	14.4
277	24.6	19.4	29.0



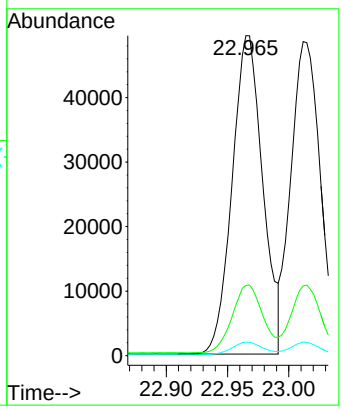


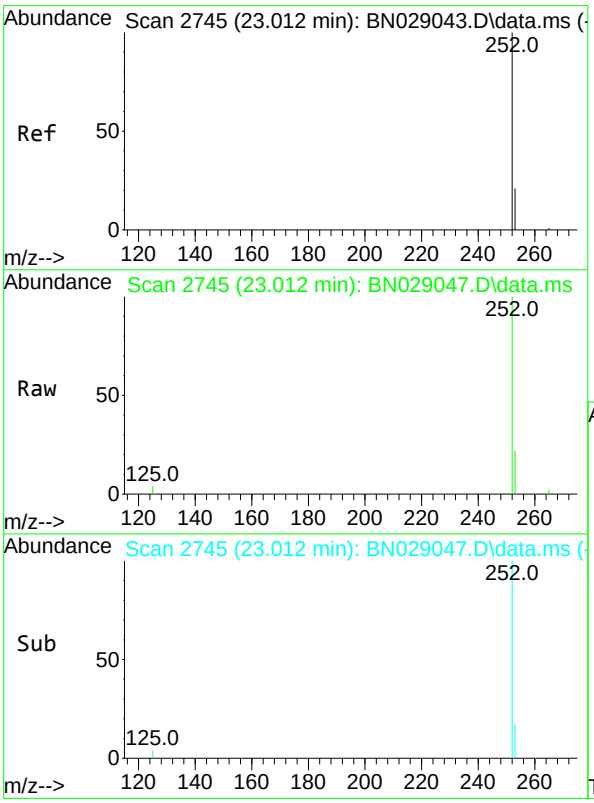
#37
Benzo(b)fluoranthene
Concen: 6.148 ng
RT: 22.965 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 85649

Ion	Ratio	Lower	Upper
252	100		
253	21.9	23.0	34.6#
125	4.2	5.4	8.0#

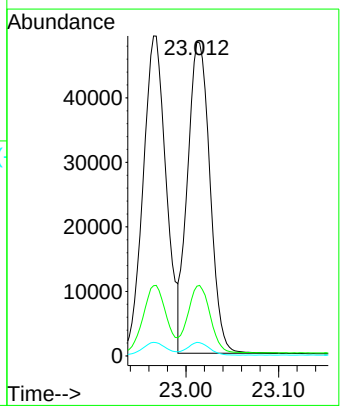


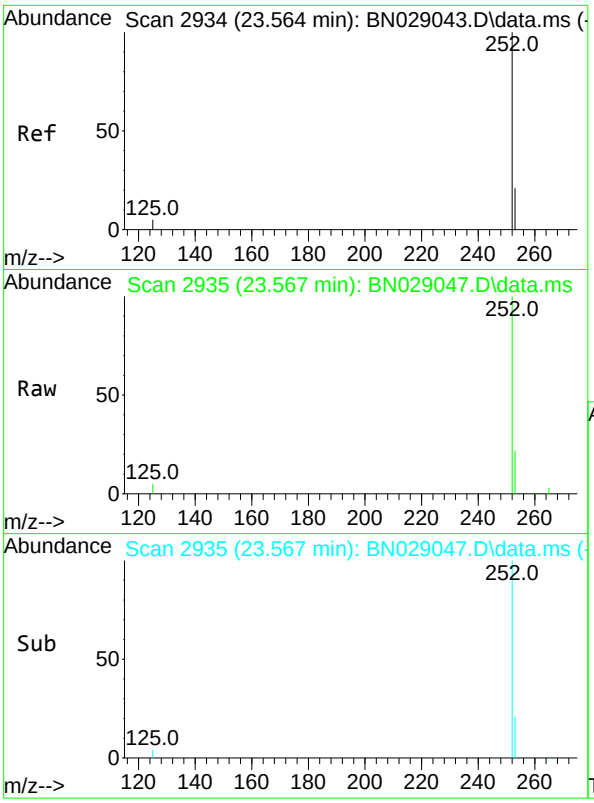


#38
Benzo(k)fluoranthene
Concen: 6.184 ng
RT: 23.012 min Scan# 2745
Delta R.T. 0.000 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:252 Resp: 80992

Ion	Ratio	Lower	Upper
252	100		
253	22.2	23.0	34.4#
125	4.3	5.0	7.6#



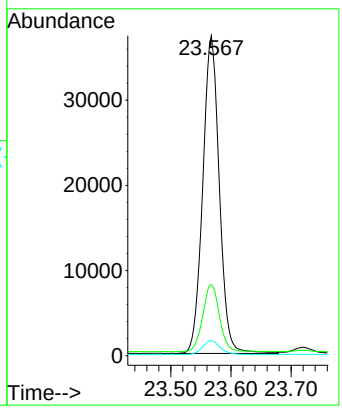


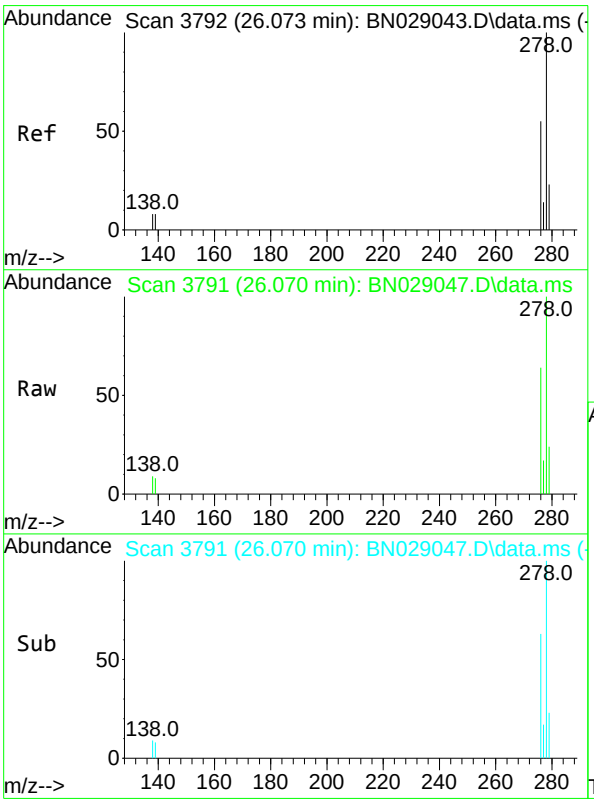
#39
Benzo(a)pyrene
Concen: 5.780 ng
RT: 23.567 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 71297

Ion	Ratio	Lower	Upper
252	100		
253	22.1	25.3	37.9#
125	4.7	6.5	9.7#

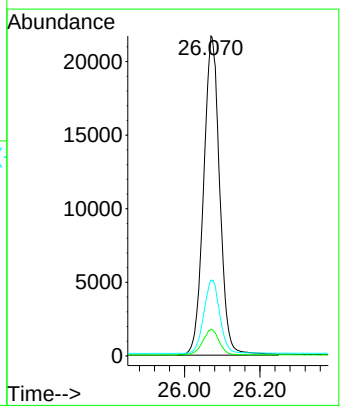


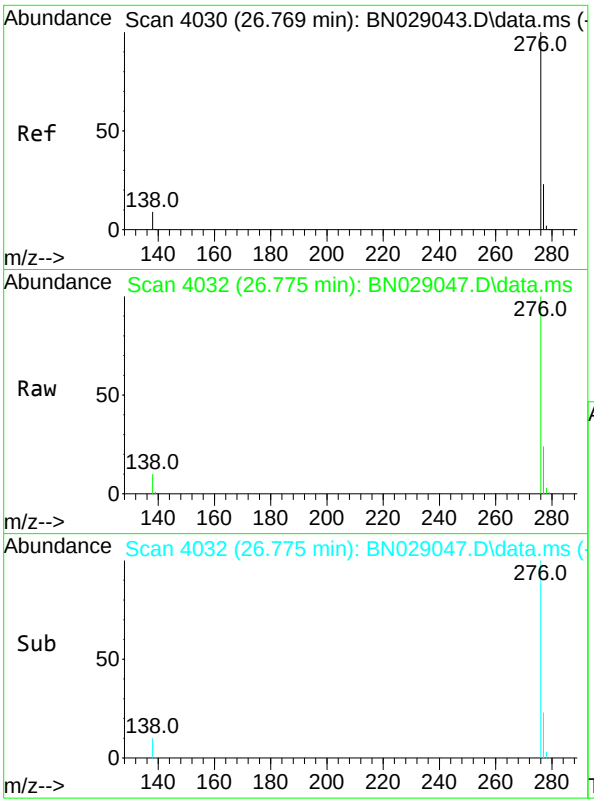


#40
Dibenzo(a,h)anthracene
Concen: 5.674 ng
RT: 26.070 min Scan# 3791
Delta R.T. -0.003 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Tgt Ion:278 Resp: 64265

Ion	Ratio	Lower	Upper
278	100		
139	8.3	9.4	14.2#
279	23.8	24.2	36.4#





#41
Benzo(g,h,i)perylene
Concen: 5.293 ng
RT: 26.775 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN029047.D
Acq: 05 Dec 2023 22:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 67148

Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.3	30.5
138	10.0	9.2	13.8