Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
Data File : BN029055.D
Acq On : 06 Dec 2023 14:46
Operator : MA/JU
Sample : PB156825BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Quant Time: Dec 06 15:13:23 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 00:49:47 2023
Response via : Initial Calibration

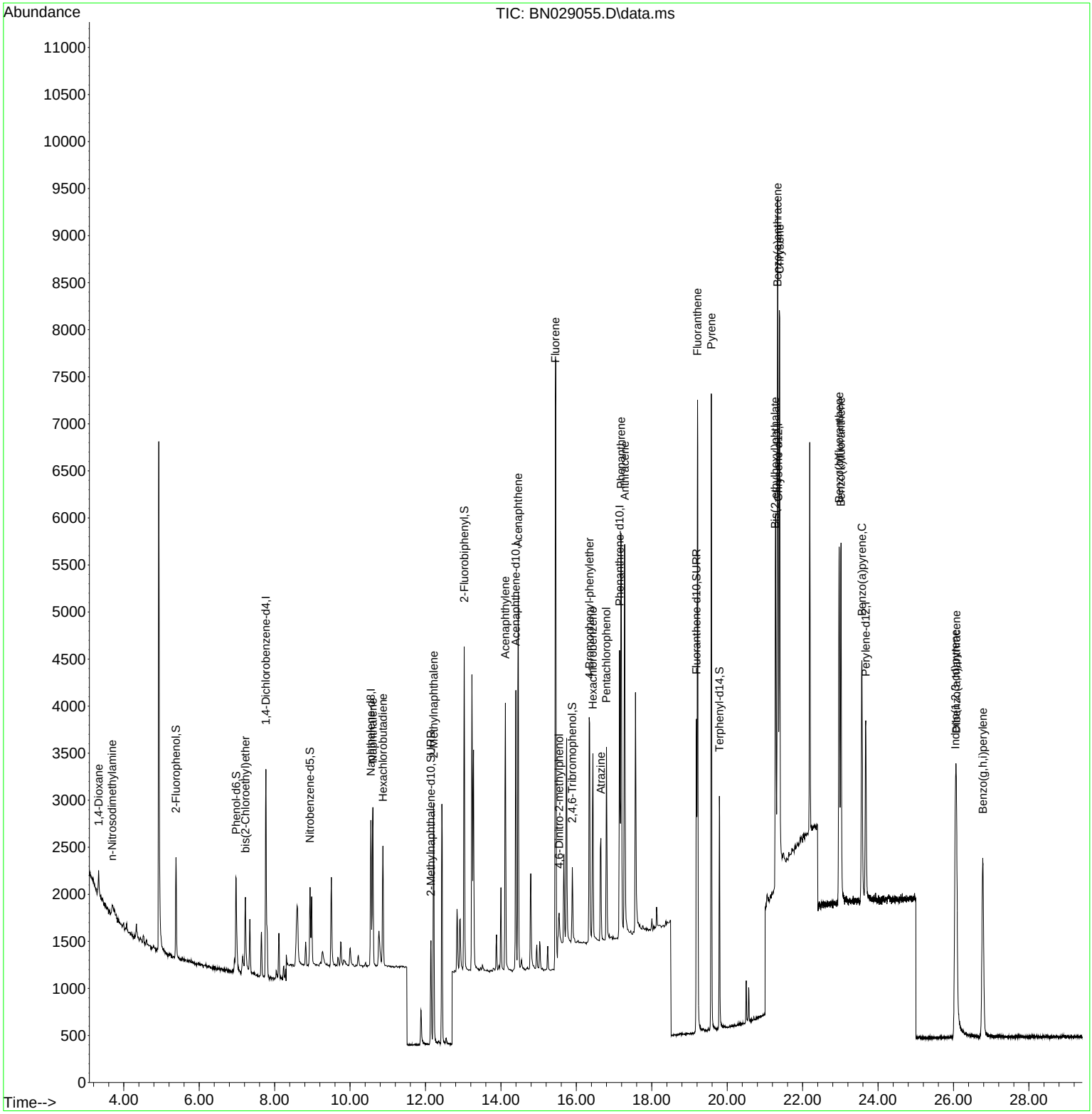
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.768	152	1063	0.400	ng		0.00
7) Naphthalene-d8	10.552	136	2132	0.400	ng		-0.01
13) Acenaphthene-d10	14.396	164	1632	0.400	ng		0.00
19) Phenanthrene-d10	17.147	188	4277	0.400	ng		0.00
29) Chrysene-d12	21.356	240	3040	0.400	ng		0.00
35) Perylene-d12	23.673	264	2684	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.385	112	872	0.363	ng		0.00
5) Phenol-d6	6.981	99	1016	0.353	ng		0.00
8) Nitrobenzene-d5	8.939	82	811	0.315	ng		0.00
11) 2-Methylnaphthalene-d10	12.144	152	1611	0.360	ng		0.00
14) 2,4,6-Tribromophenol	15.893	330	512	0.284	ng		0.00
15) 2-Fluorobiphenyl	13.028	172	2968	0.351	ng		0.00
27) Fluoranthene-d10	19.186	212	4248	0.316	ng		0.00
31) Terphenyl-d14	19.794	244	2630	0.342	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.333	88	247	0.289	ng	#	76
3) n-Nitrosodimethylamine	3.695	42	166	0.319	ng	#	57
6) bis(2-Chloroethyl)ether	7.226	93	873	0.429	ng		89
9) Naphthalene	10.605	128	2311	0.347	ng		99
10) Hexachlorobutadiene	10.872	225	1008	0.344	ng	#	97
12) 2-Methylnaphthalene	12.216	142	1753	0.324	ng		99
16) Acenaphthylene	14.118	152	3198	0.356	ng		99
17) Acenaphthene	14.460	154	2017	0.358	ng		99
18) Fluorene	15.444	166	3142	0.349	ng		98
20) 4,6-Dinitro-2-methylph...	15.545	198	438	0.339	ng		98
21) 4-Bromophenyl-phenylether	16.352	248	1364	0.353	ng		97
22) Hexachlorobenzene	16.439	284	1486	0.338	ng		98
23) Atrazine	16.650	200	1133	0.332	ng		97
24) Pentachlorophenol	16.799	266	1023	0.425	ng		98
25) Phenanthrene	17.184	178	5048	0.354	ng		100
26) Anthracene	17.283	178	4761	0.345	ng		99
28) Fluoranthene	19.213	202	6470	0.330	ng		99
30) Pyrene	19.580	202	6542	0.347	ng		100
32) Benzo(a)anthracene	21.338	228	5435	0.352	ng		98
33) Chrysene	21.392	228	5320	0.351	ng		98
34) Bis(2-ethylhexyl)phtha...	21.275	149	3140	0.330	ng		99
36) Indeno(1,2,3-cd)pyrene	26.050	276	5281	0.386	ng		100
37) Benzo(b)fluoranthene	22.968	252	5339	0.371	ng		94
38) Benzo(k)fluoranthene	23.015	252	5112	0.378	ng		95
39) Benzo(a)pyrene	23.570	252	4348	0.365	ng		91
40) Dibenzo(a,h)anthracene	26.076	278	4106	0.389	ng	#	90
41) Benzo(g,h,i)perylene	26.778	276	4511	0.391	ng	#	93

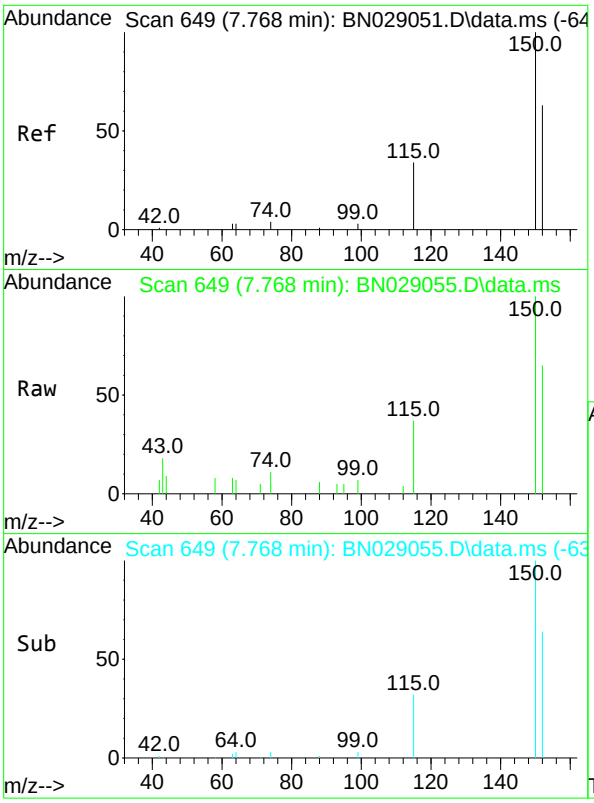
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
Data File : BN029055.D
Acq On : 06 Dec 2023 14:46
Operator : MA/JU
Sample : PB156825BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Quant Time: Dec 06 15:13:23 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 00:49:47 2023
Response via : Initial Calibration



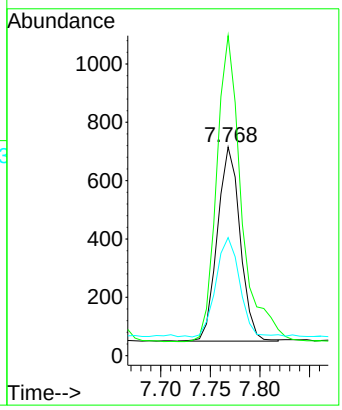


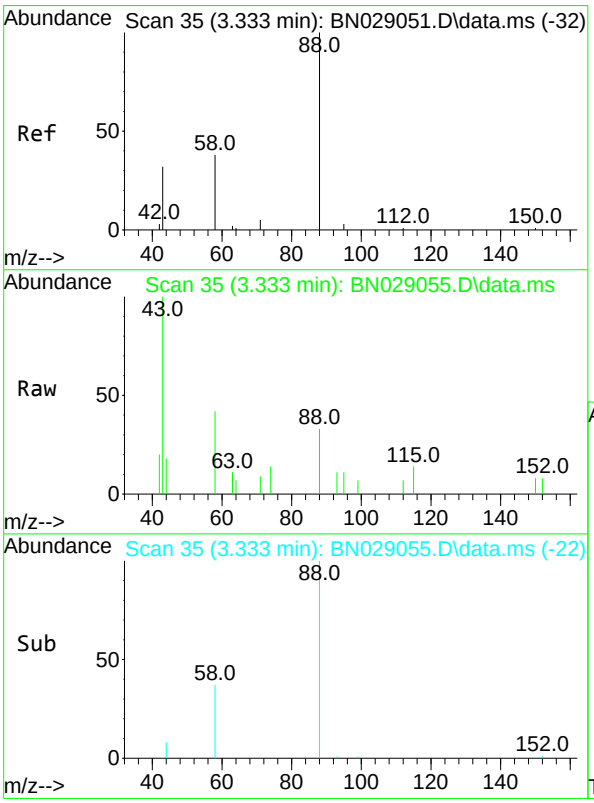
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:152 Resp: 1063

Ion	Ratio	Lower	Upper
152	100		
150	153.4	116.2	174.4
115	56.6	45.1	67.7

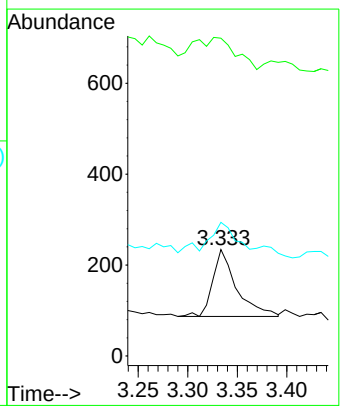


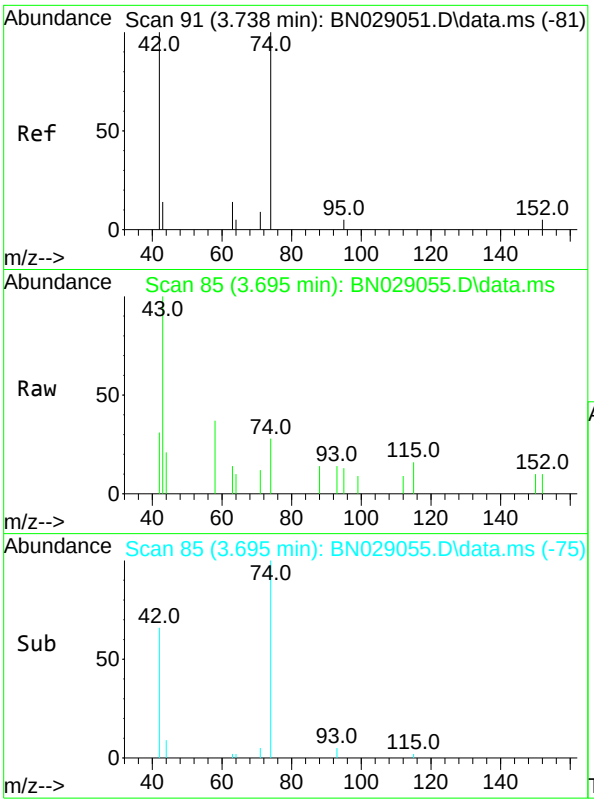


#2
1,4-Dioxane
Concen: 0.289 ng
RT: 3.333 min Scan# 35
Delta R.T. -0.007 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion: 88 Resp: 247

Ion	Ratio	Lower	Upper
88	100		
43	0.0	15.6	23.4#
58	51.4	33.2	49.8#



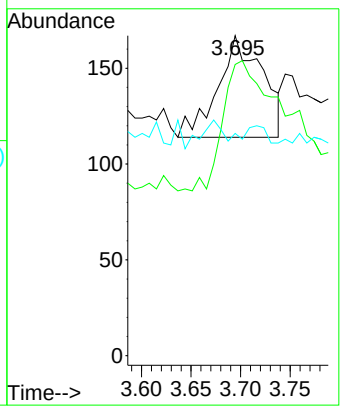


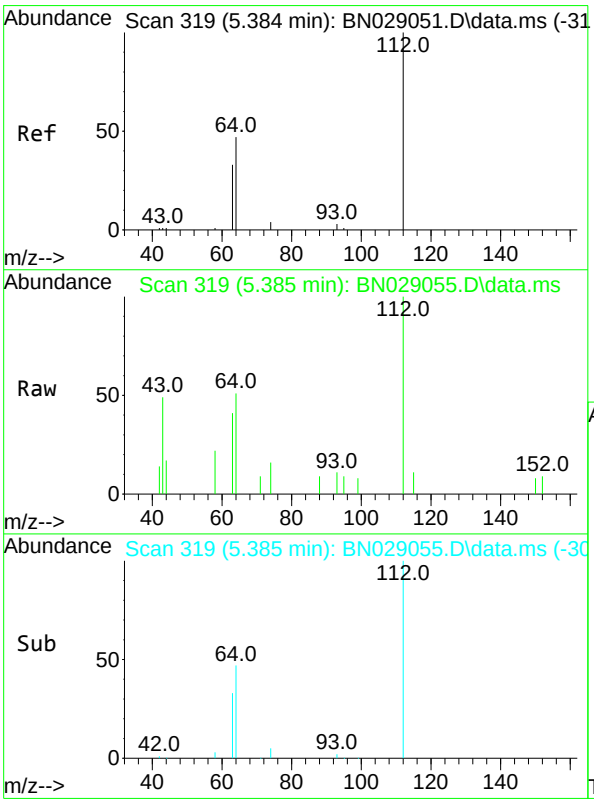
#3
n-Nitrosodimethylamine
Concen: 0.319 ng
RT: 3.695 min Scan# 8
Delta R.T. -0.028 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion: 42 Resp: 166

Ion	Ratio	Lower	Upper
42	100		
74	183.1	106.3	159.5#
44	0.0	0.0	0.0

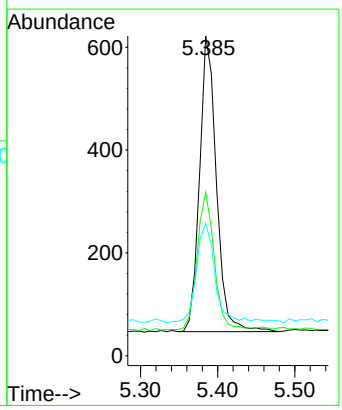


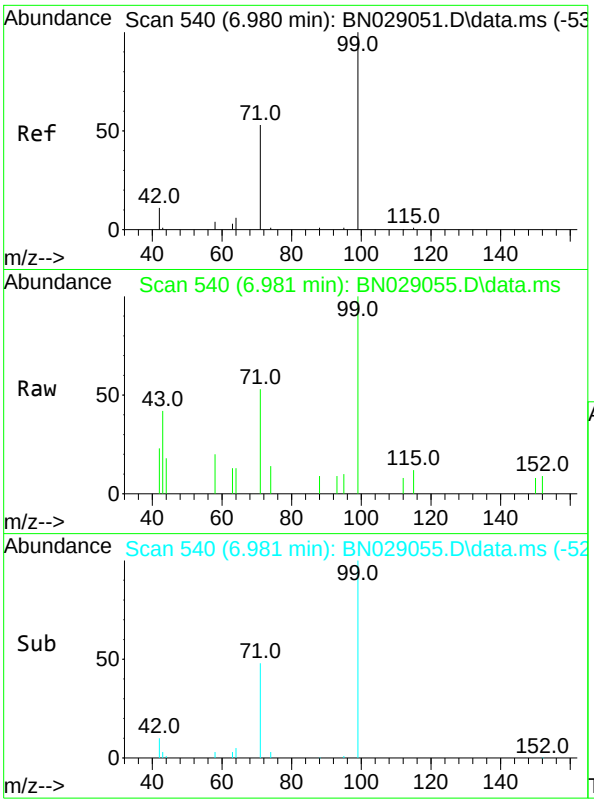


#4
2-Fluorophenol
Concen: 0.363 ng
RT: 5.385 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:112 Resp: 872

Ion	Ratio	Lower	Upper
112	100		
64	46.8	37.0	55.6
63	38.3	29.0	43.6



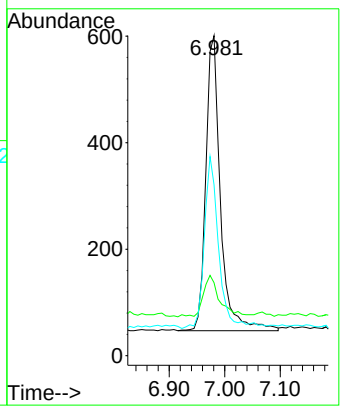


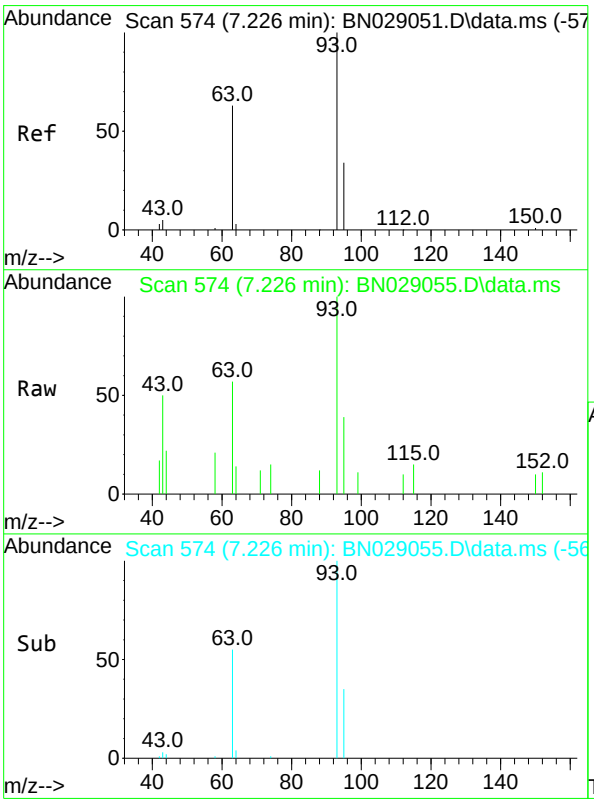
#5
Phenol-d6
Concen: 0.353 ng
RT: 6.981 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion: 99 Resp: 1016

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.4	20.2
71	57.9	47.8	71.6

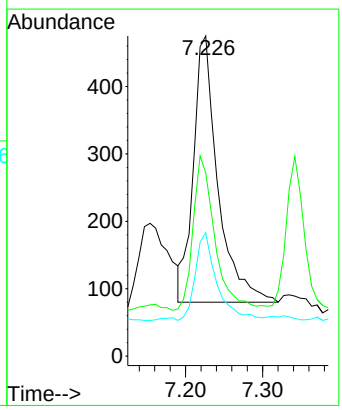


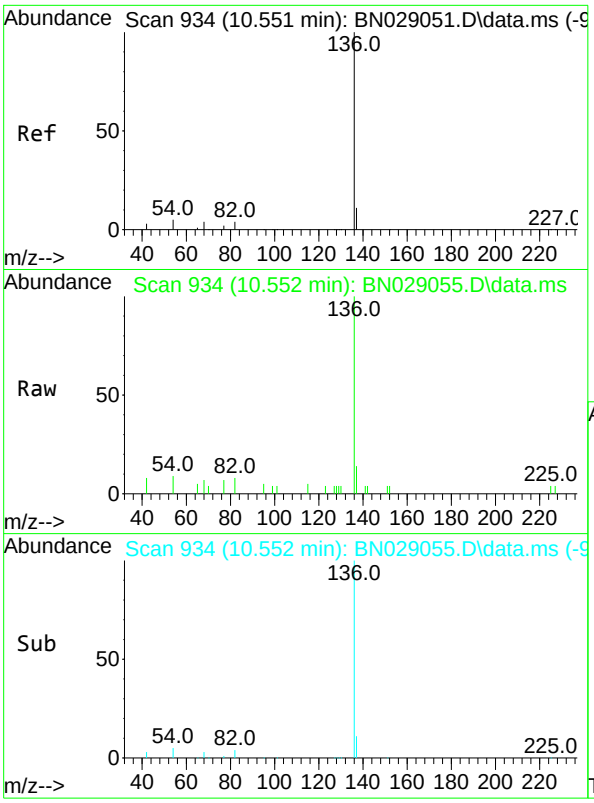


#6
bis(2-Chloroethyl)ether
Concen: 0.429 ng
RT: 7.226 min Scan# 574
Delta R.T. -0.007 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion: 93 Resp: 873

Ion	Ratio	Lower	Upper
93	100		
63	52.0	48.4	72.6
95	29.0	28.1	42.1



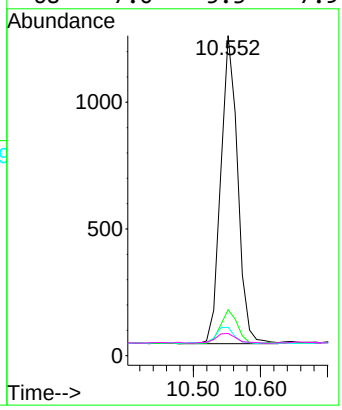


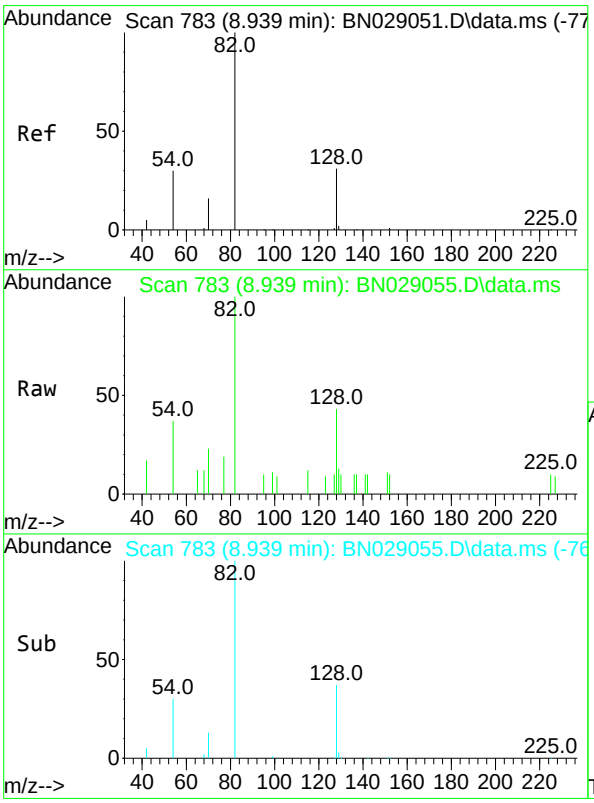
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 9
Delta R.T. -0.010 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:136 Resp: 2132

Ion	Ratio	Lower	Upper
136	100		
137	14.3	11.9	17.9
54	8.9	6.4	9.6
68	7.0	5.3	7.9

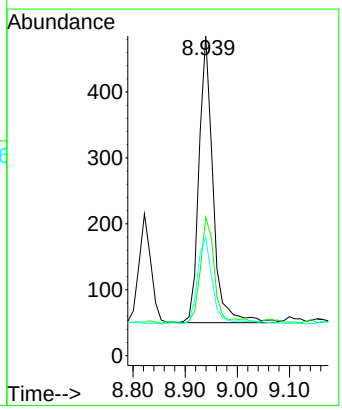


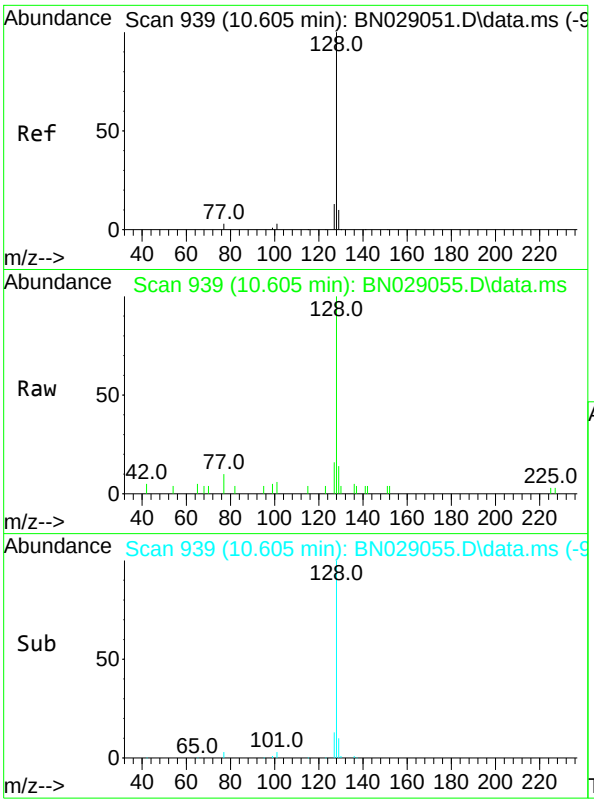


#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion: 82 Resp: 811

Ion	Ratio	Lower	Upper
82	100		
128	43.3	28.2	42.4#
54	37.1	32.1	48.1



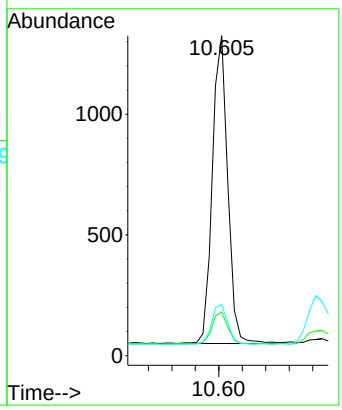


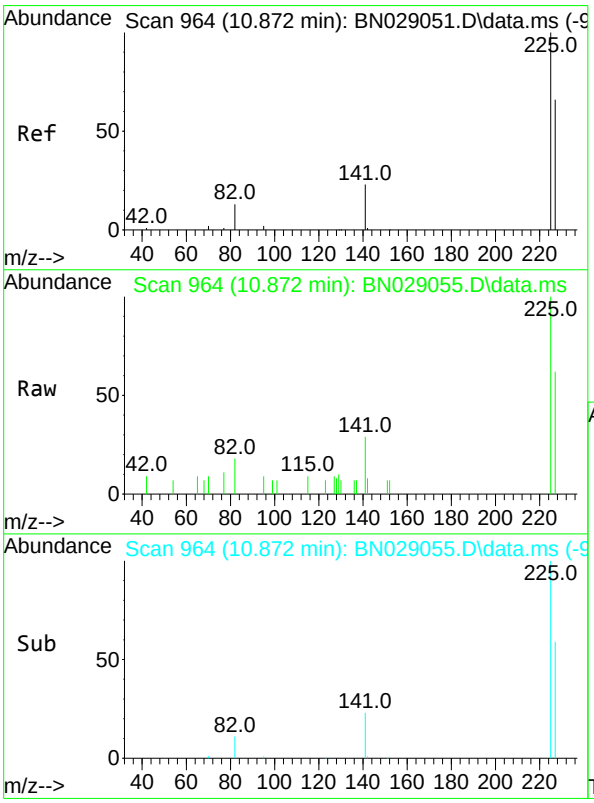
#9
Naphthalene
Concen: 0.347 ng
RT: 10.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:128 Resp: 2311

Ion	Ratio	Lower	Upper
128	100		
129	13.7	10.5	15.7
127	16.0	12.5	18.7

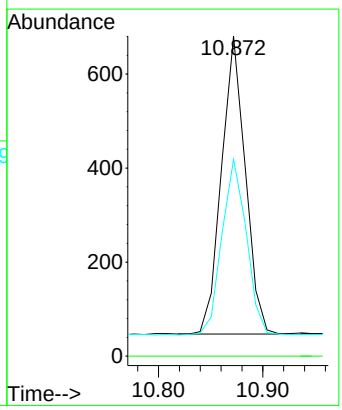


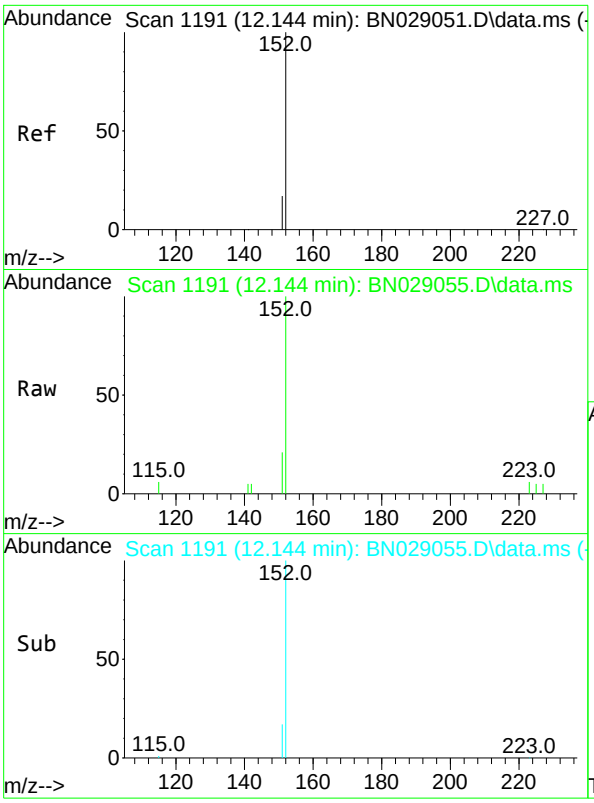


#10
Hexachlorobutadiene
Concen: 0.344 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.010 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:225 Resp: 1008

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.8	50.7	76.1



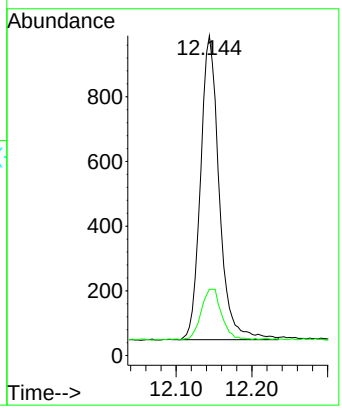


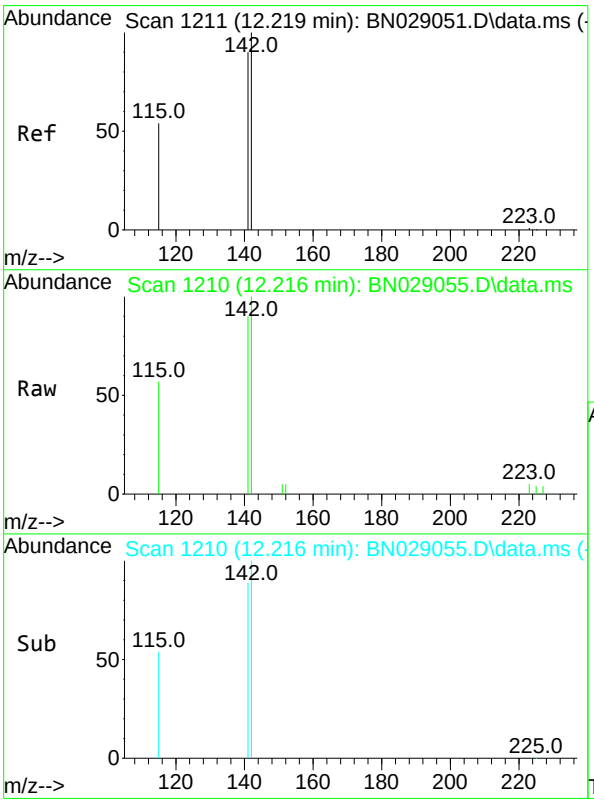
#11
2-Methylnaphthalene-d10
Concen: 0.360 ng
RT: 12.144 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:152 Resp: 1611

Ion	Ratio	Lower	Upper
152	100		
151	18.5	17.4	26.0

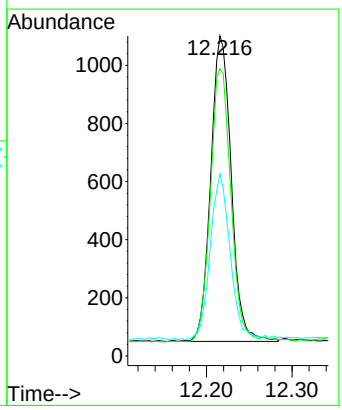


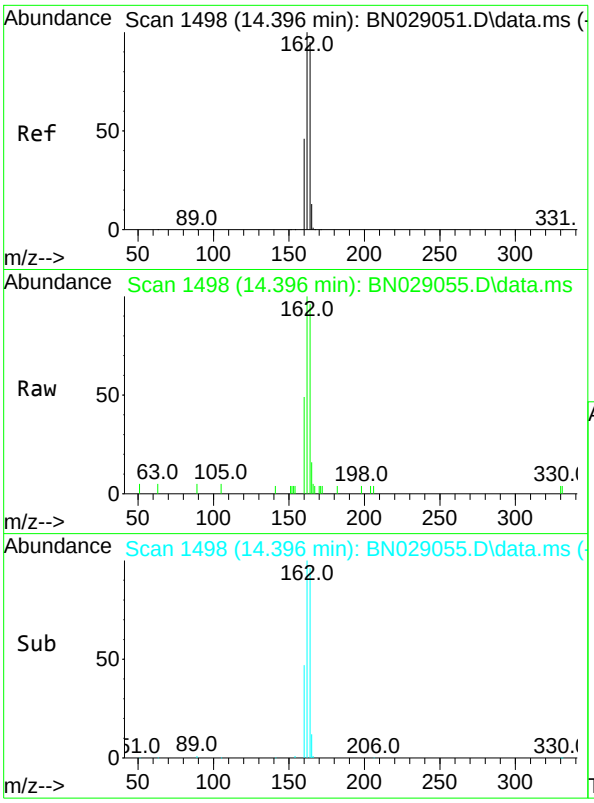


#12
2-Methylnaphthalene
Concen: 0.324 ng
RT: 12.216 min Scan# 1210
Delta R.T. -0.007 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:142 Resp: 1753

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.1	106.7
115	56.9	44.6	66.8



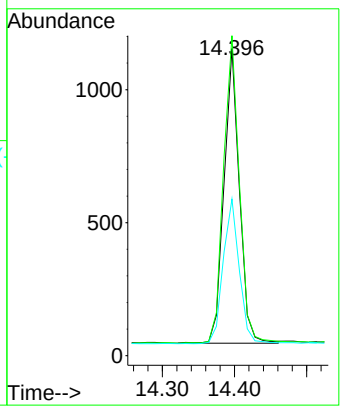


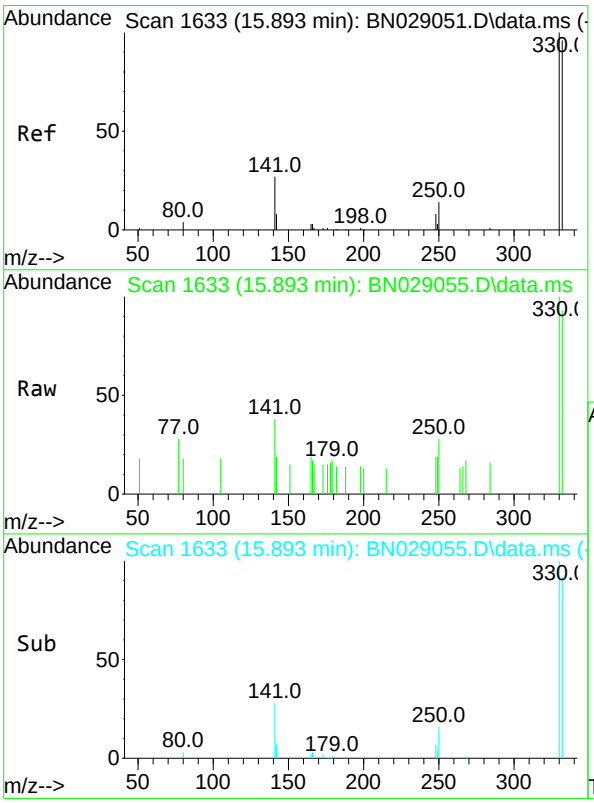
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:164 Resp: 1632

Ion	Ratio	Lower	Upper
164	100		
162	104.2	85.0	127.6
160	51.0	41.3	61.9

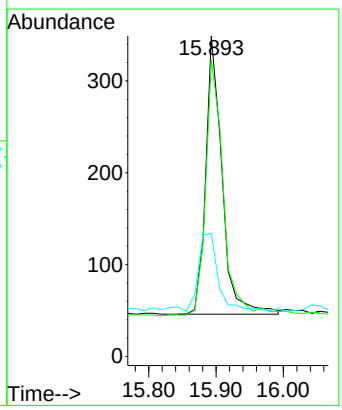


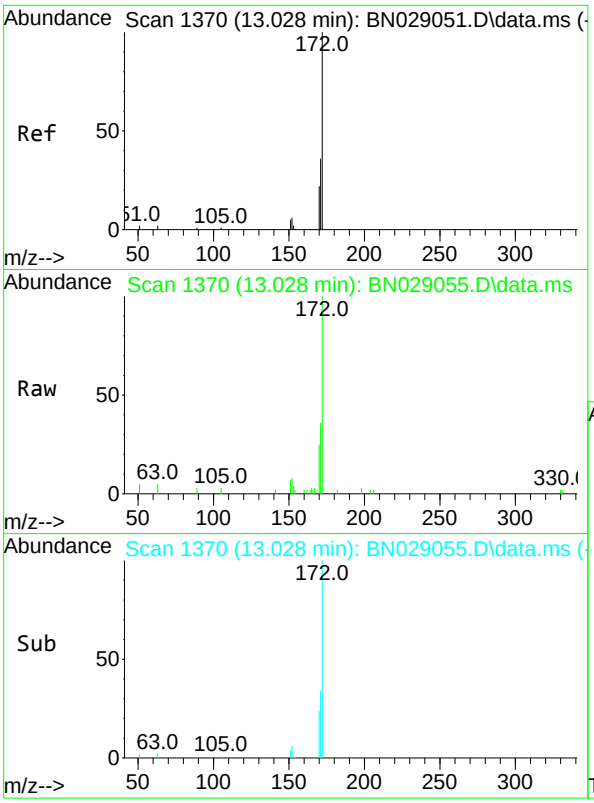


#14
2,4,6-Tribromophenol
Concen: 0.284 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:330 Resp: 512

Ion	Ratio	Lower	Upper
330	100		
332	99.0	78.8	118.2
141	33.0	28.7	43.1



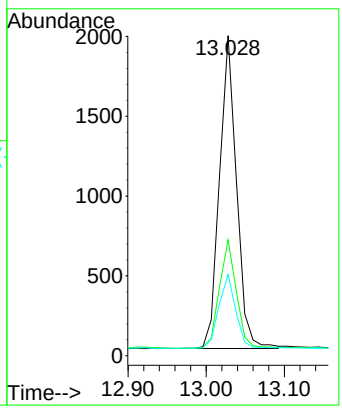


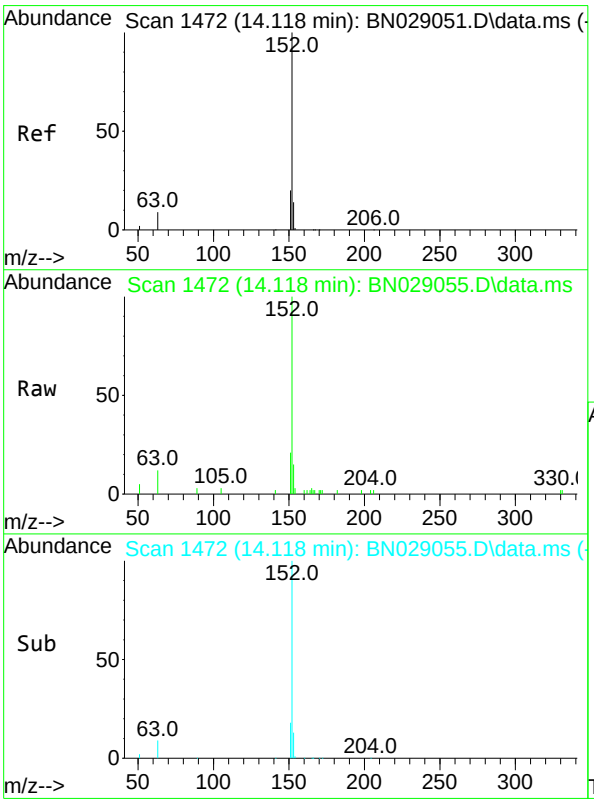
#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:172 Resp: 2968

Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.1	45.1
170	25.3	20.3	30.5

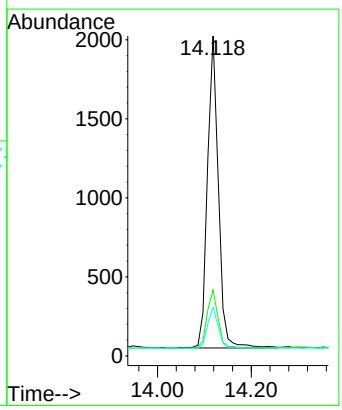


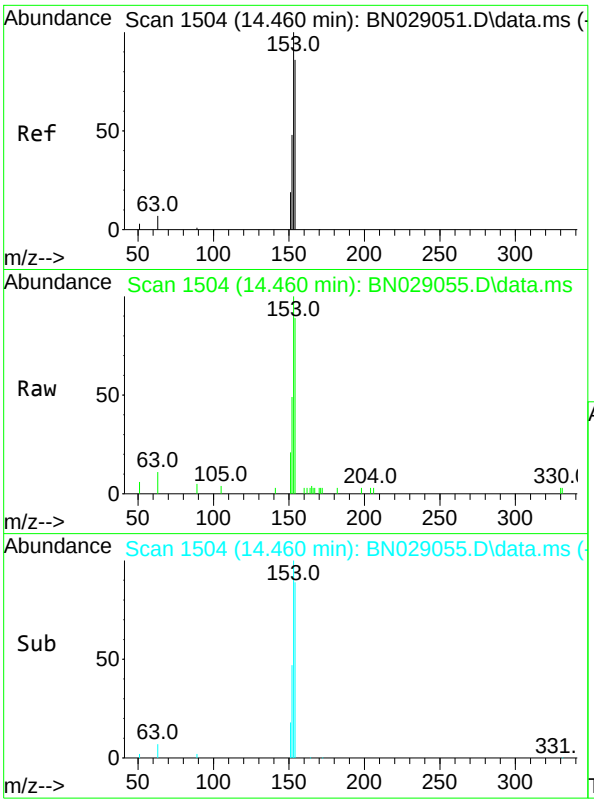


#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.118 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:152 Resp: 3198

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	13.3	10.3	15.5



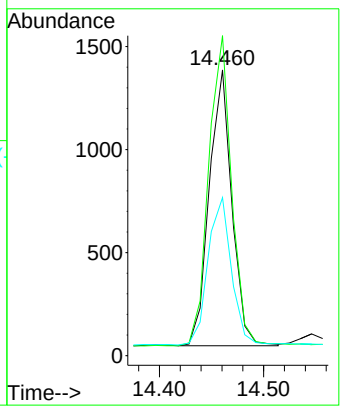


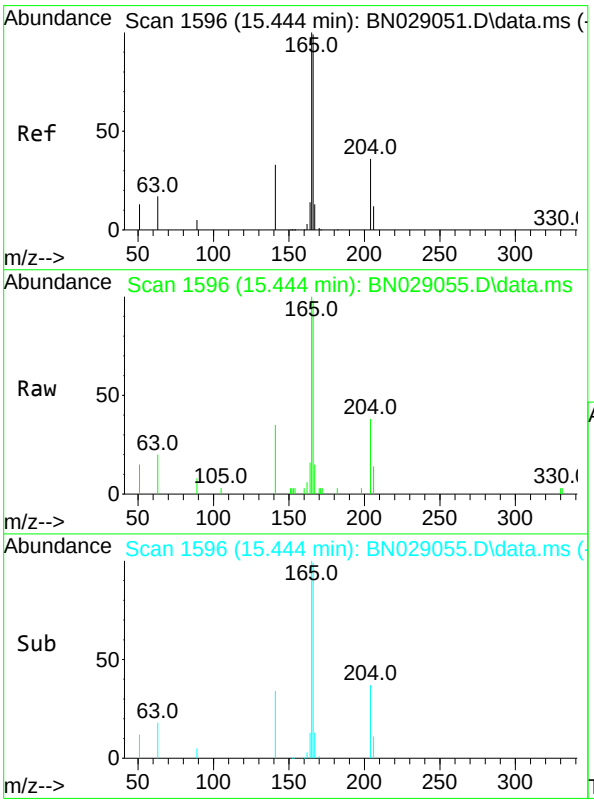
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:154 Resp: 2017

Ion	Ratio	Lower	Upper
154	100		
153	115.9	93.0	139.6
152	56.9	44.2	66.4

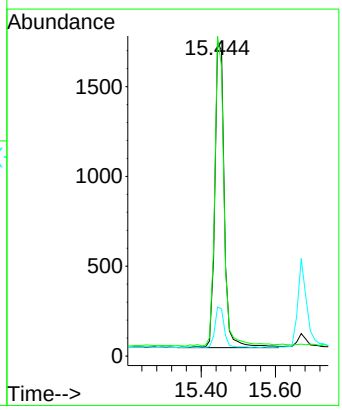


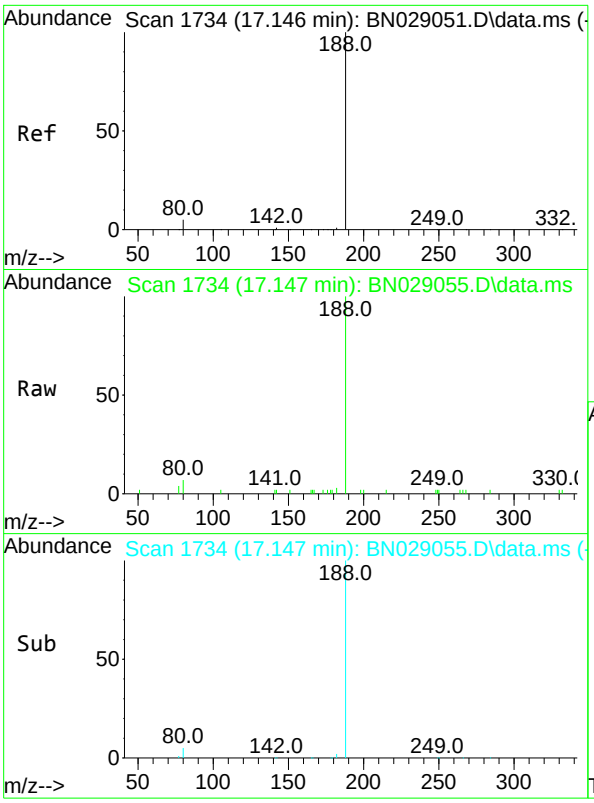


#18
Fluorene
Concen: 0.349 ng
RT: 15.444 min Scan# 1596
Delta R.T. -0.010 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:166 Resp: 3142

Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.2	120.4
167	13.0	11.0	16.4



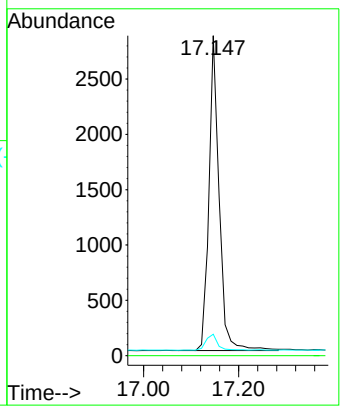


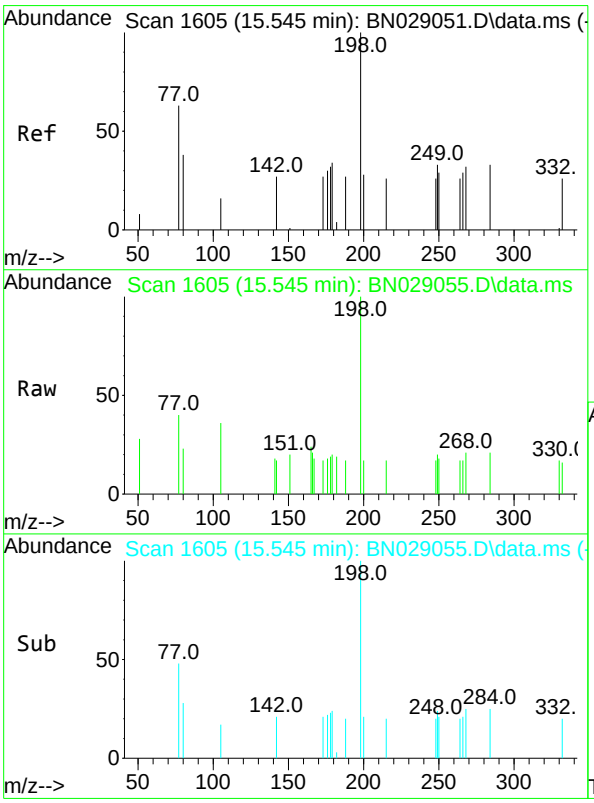
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:188 Resp: 4277

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	5.4	8.0

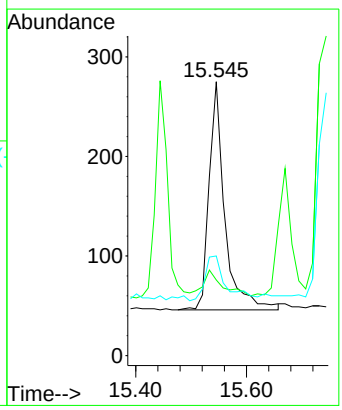


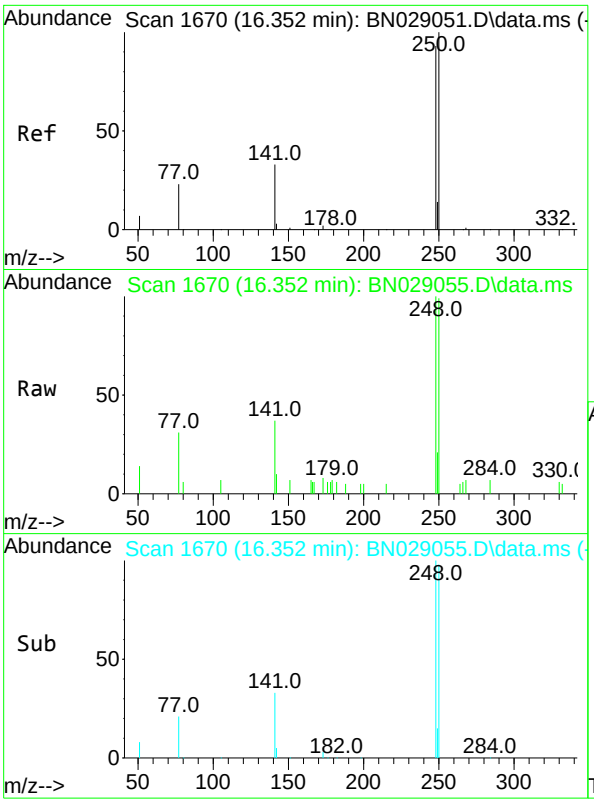


#20
4,6-Dinitro-2-methylphenol
Concen: 0.339 ng
RT: 15.545 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:198 Resp: 438

Ion	Ratio	Lower	Upper
198	100		
51	27.6	23.4	35.2
105	36.4	29.0	43.4



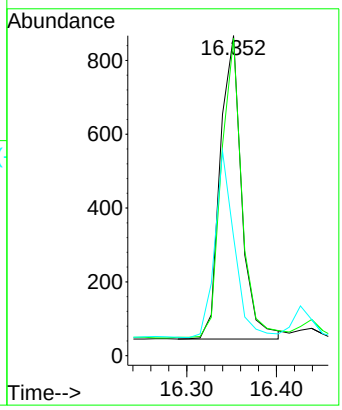


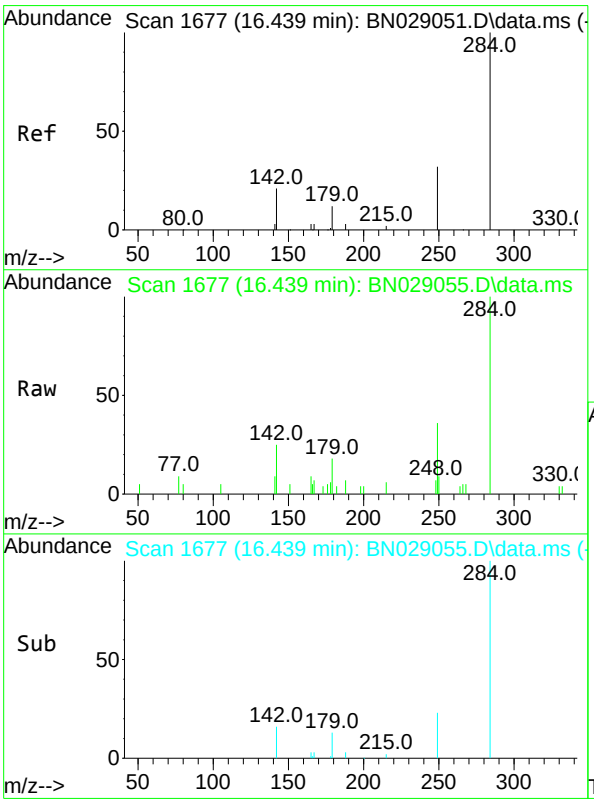
#21
4-Bromophenyl-phenylether
Concen: 0.353 ng
RT: 16.352 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:248 Resp: 1364

Ion	Ratio	Lower	Upper
248	100		
250	99.1	81.3	121.9
141	37.1	31.2	46.8

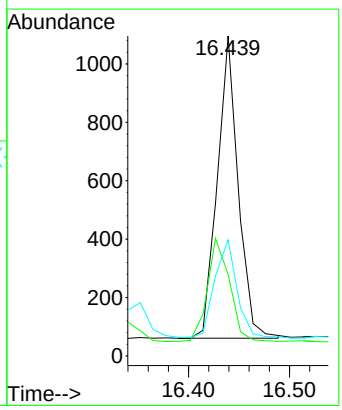


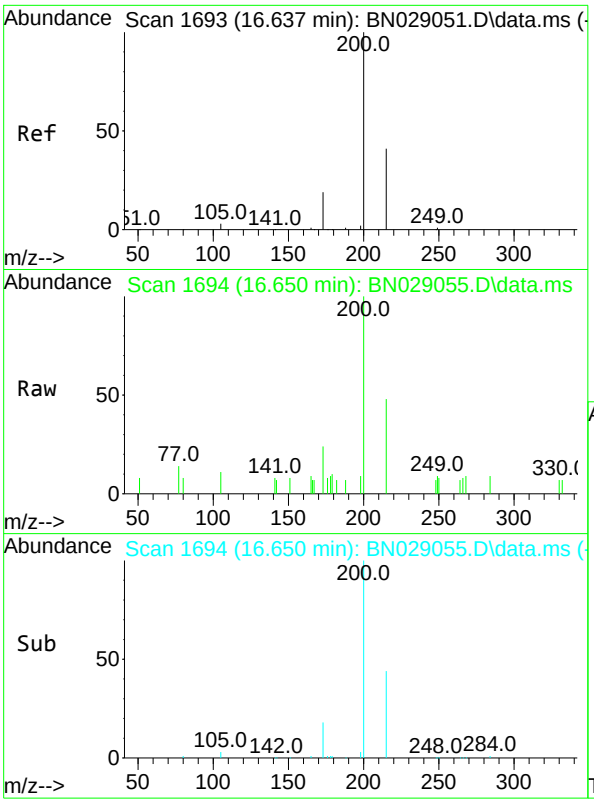


#22
Hexachlorobenzene
Concen: 0.338 ng
RT: 16.439 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:284 Resp: 1486

Ion	Ratio	Lower	Upper
284	100		
142	36.4	28.0	42.0
249	33.7	27.8	41.8



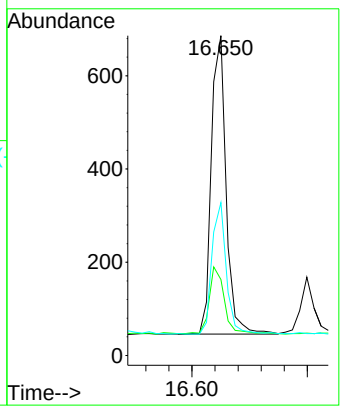


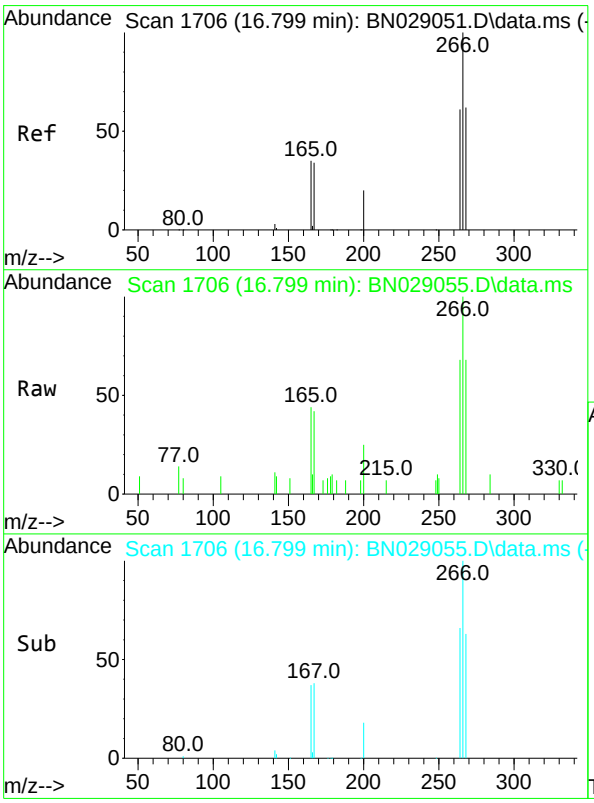
#23
Atrazine
Concen: 0.332 ng
RT: 16.650 min Scan# 1(
Delta R.T. 0.013 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:200 Resp: 1133

Ion	Ratio	Lower	Upper
200	100		
173	23.8	19.3	28.9
215	47.8	36.1	54.1

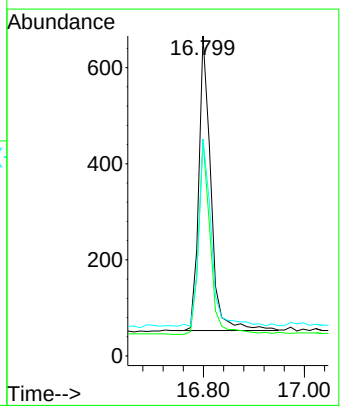


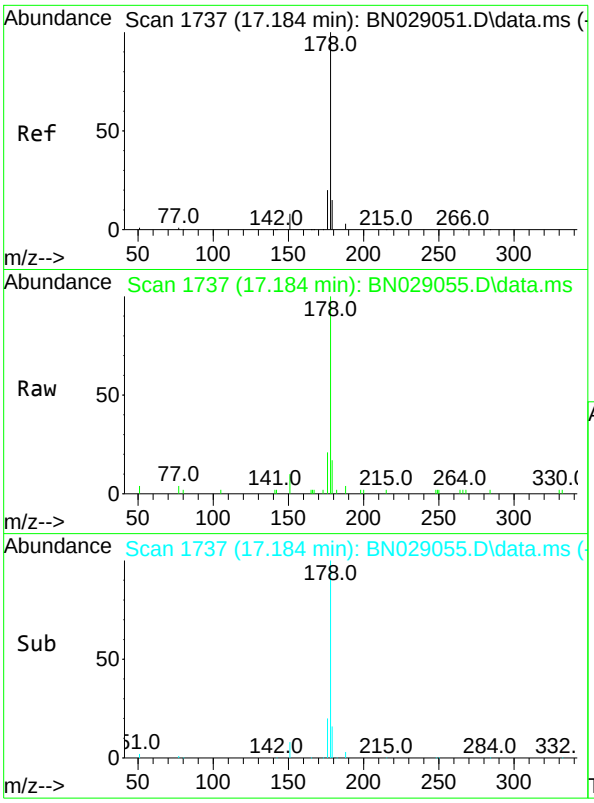


#24
Pentachlorophenol
Concen: 0.425 ng
RT: 16.799 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:266 Resp: 1023

Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.7	76.1
268	64.2	49.5	74.3



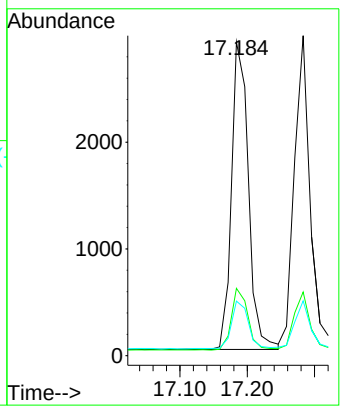


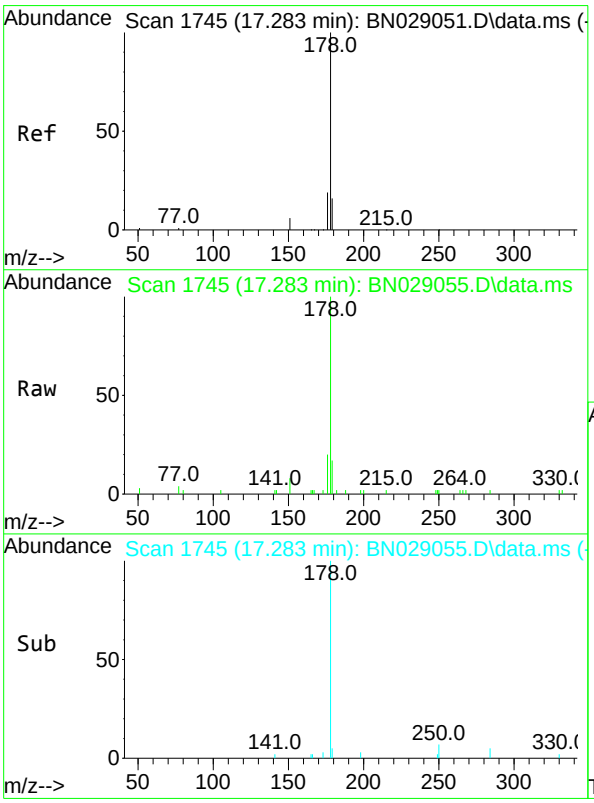
#25
Phenanthrene
Concen: 0.354 ng
RT: 17.184 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:178 Resp: 5048

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.9	12.6	18.8

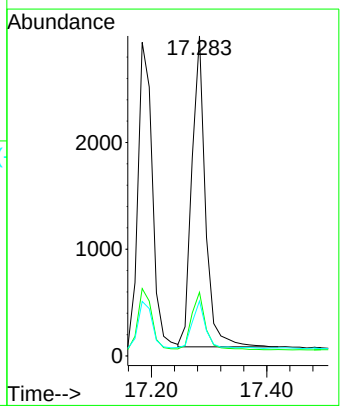


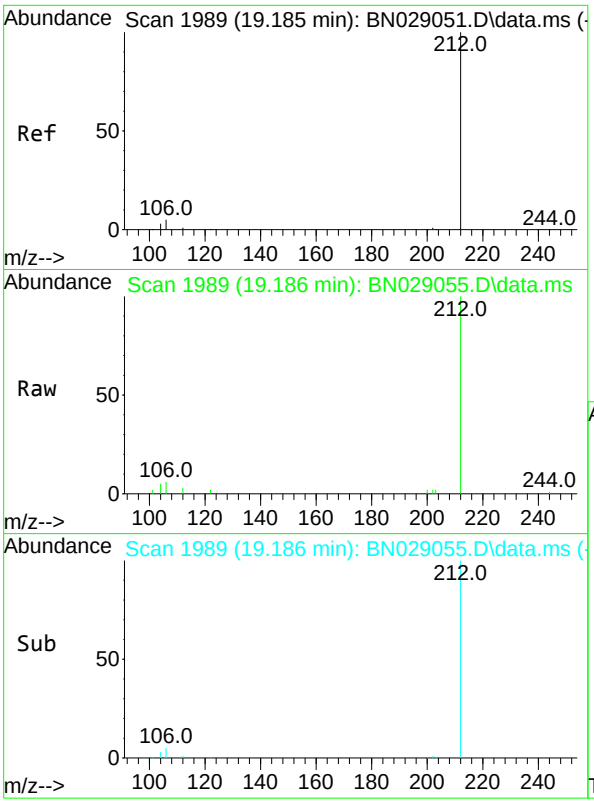


#26
Anthracene
Concen: 0.345 ng
RT: 17.283 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:178 Resp: 4761

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.3	12.6	19.0



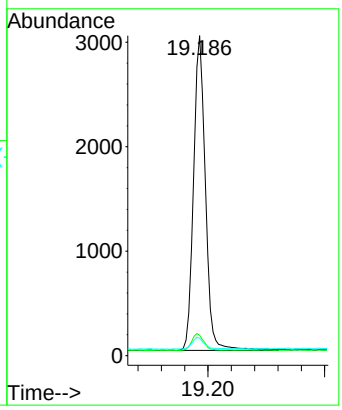


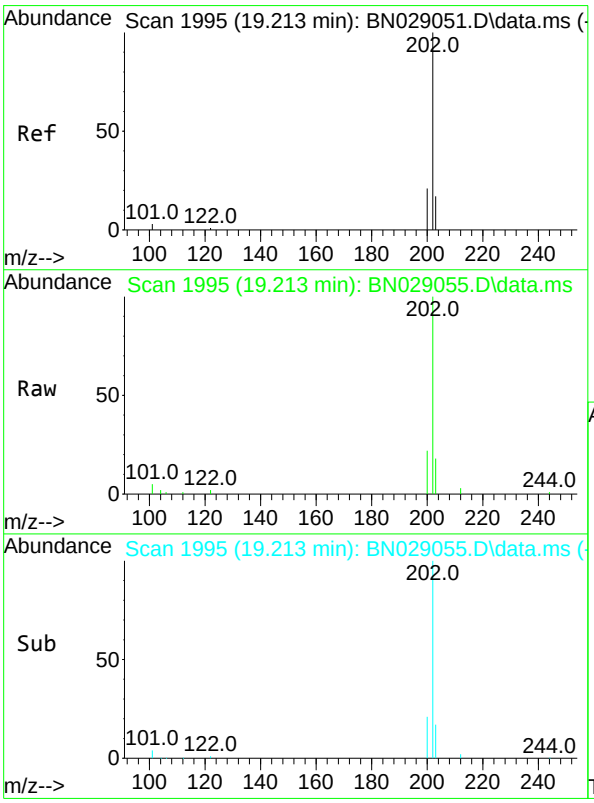
#27
Fluoranthene-d10
Concen: 0.316 ng
RT: 19.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:212 Resp: 4248

Ion	Ratio	Lower	Upper
212	100		
106	5.4	3.9	5.9
104	4.2	2.6	3.8#

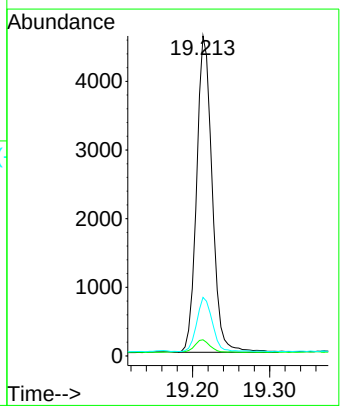


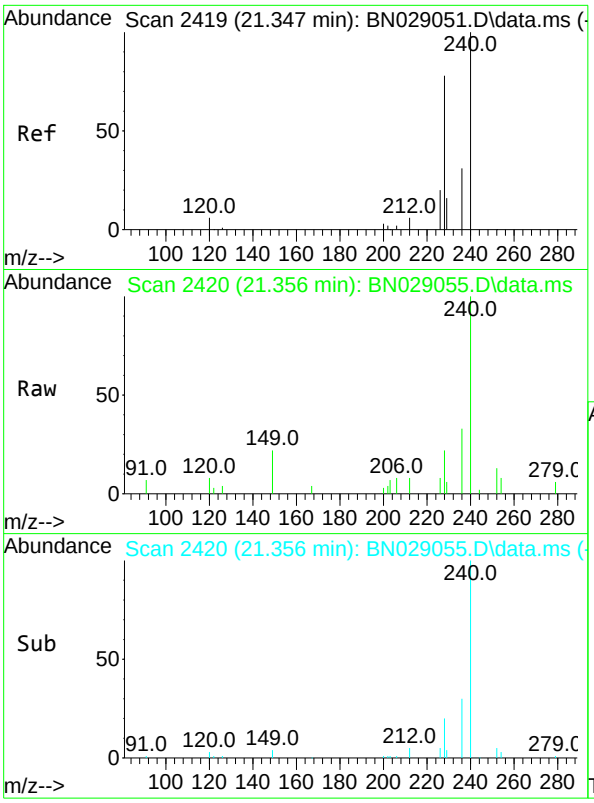


#28
Fluoranthene
Concen: 0.330 ng
RT: 19.213 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:202 Resp: 6470

Ion	Ratio	Lower	Upper
202	100		
101	4.0	3.0	4.6
203	17.0	13.8	20.6



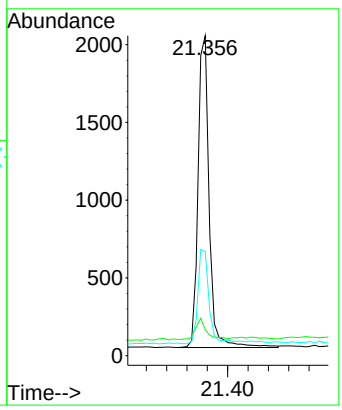


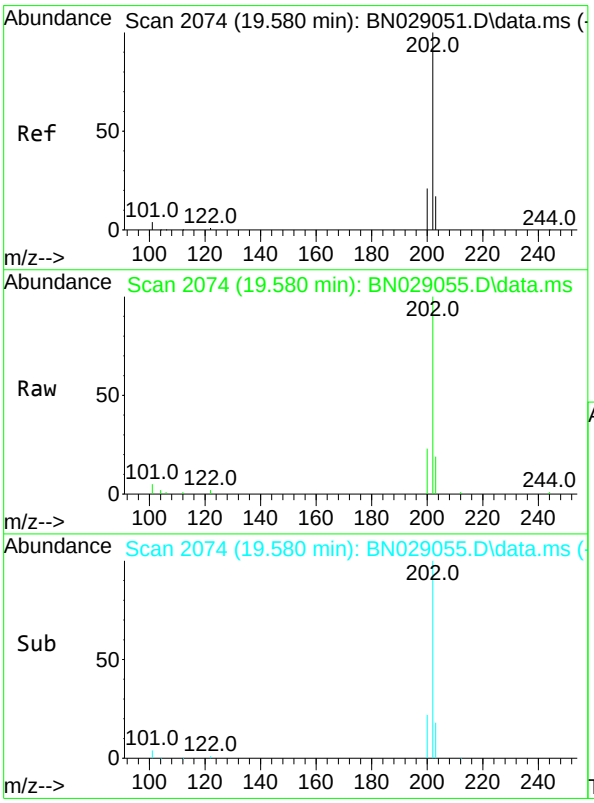
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.356 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:240 Resp: 3040

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.7	10.1
236	32.6	25.7	38.5

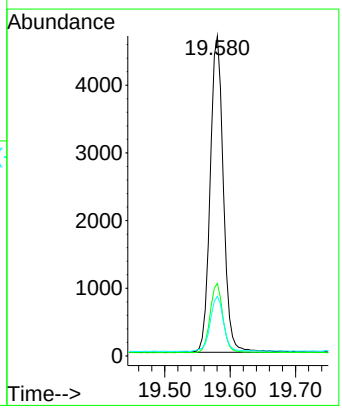


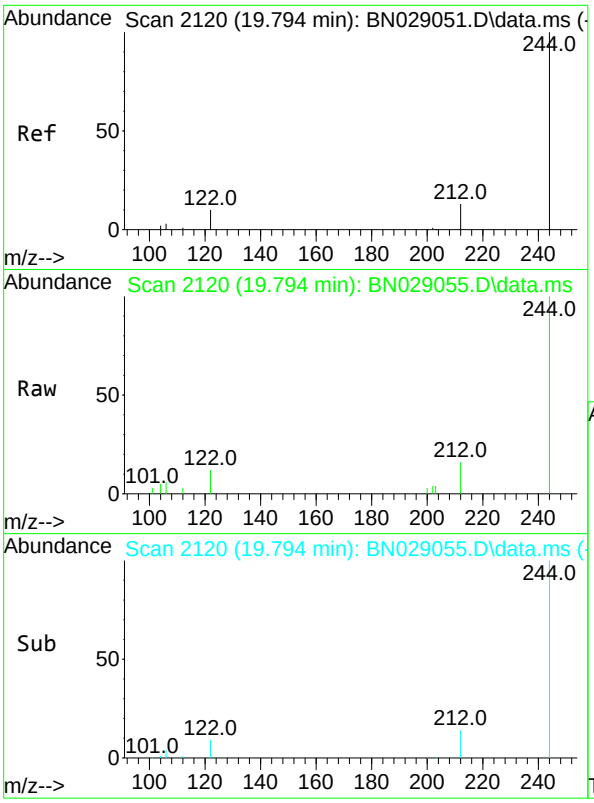


#30
Pyrene
Concen: 0.347 ng
RT: 19.580 min Scan# 2074
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:202 Resp: 6542

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



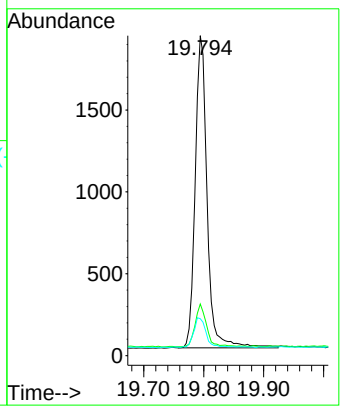


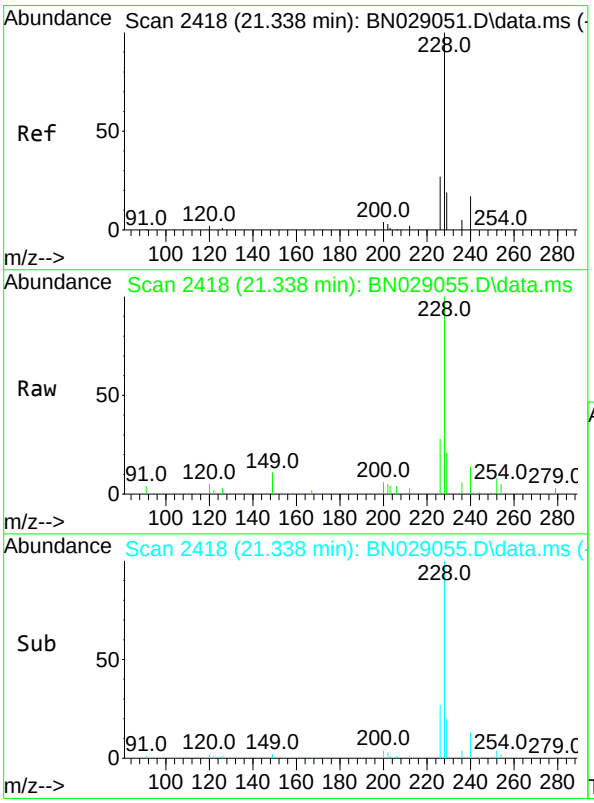
#31
Terphenyl-d14
Concen: 0.342 ng
RT: 19.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:244 Resp: 2630

Ion	Ratio	Lower	Upper
244	100		
212	16.1	11.6	17.4
122	11.5	8.2	12.4

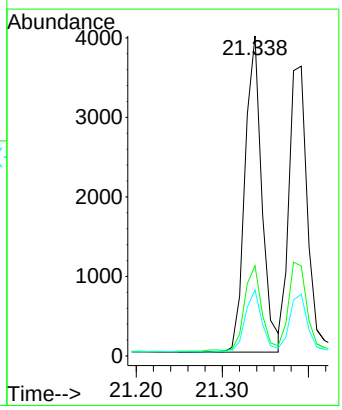


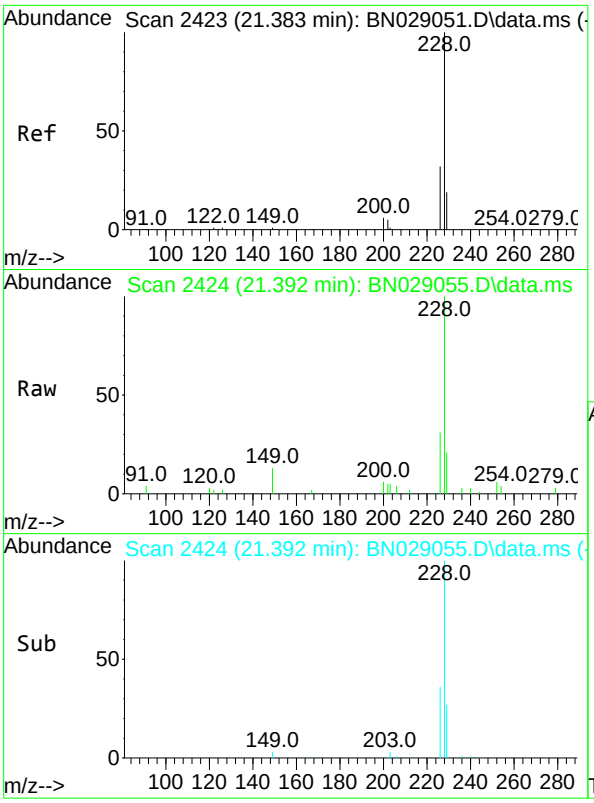


#32
Benzo(a)anthracene
Concen: 0.352 ng
RT: 21.338 min Scan# 2418
Delta R.T. 0.009 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:228 Resp: 5435

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.8	35.6
229	20.6	16.0	24.0



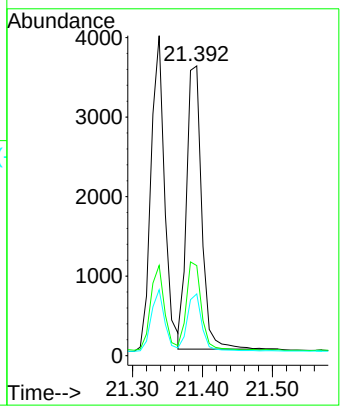


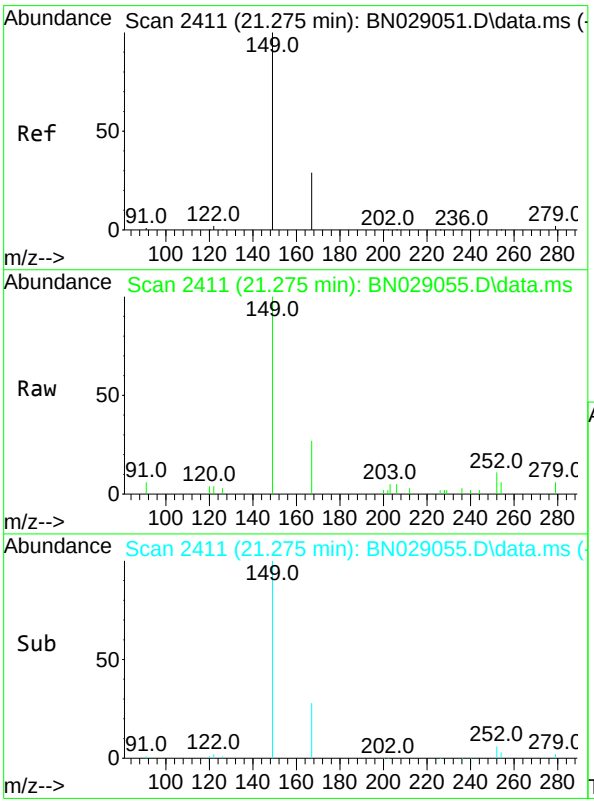
#33
Chrysene
Concen: 0.351 ng
RT: 21.392 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:228 Resp: 5320

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	21.3	16.0	24.0

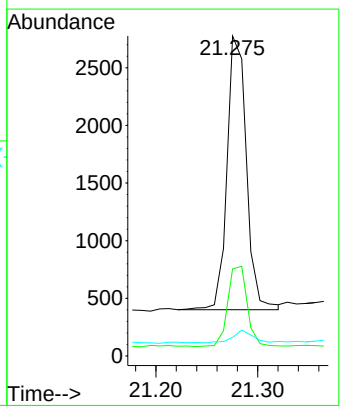


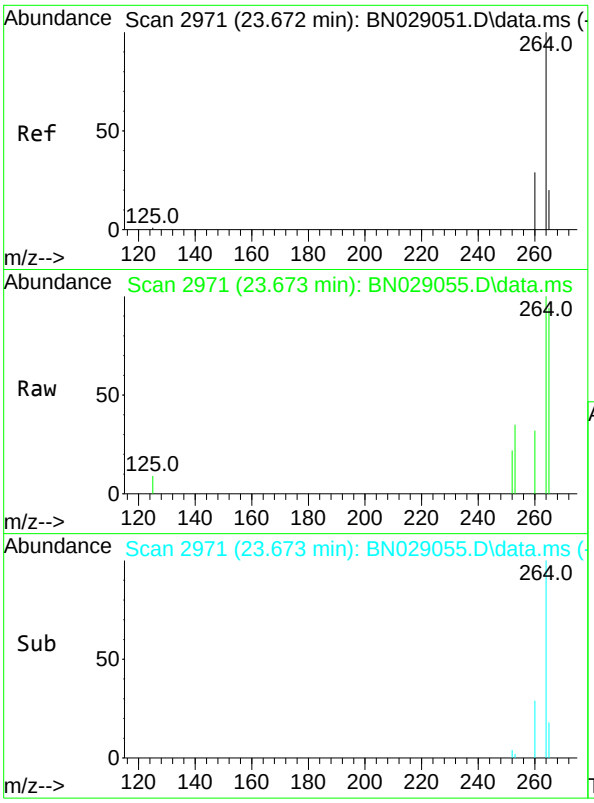


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.330 ng
RT: 21.275 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:149 Resp: 3140

Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.4	35.2
279	5.1	3.4	5.2



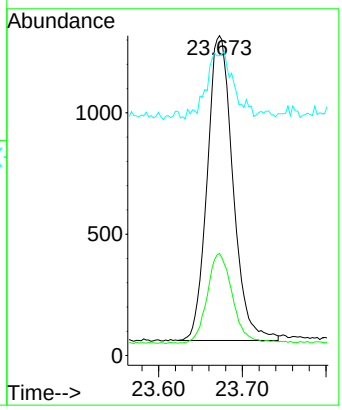


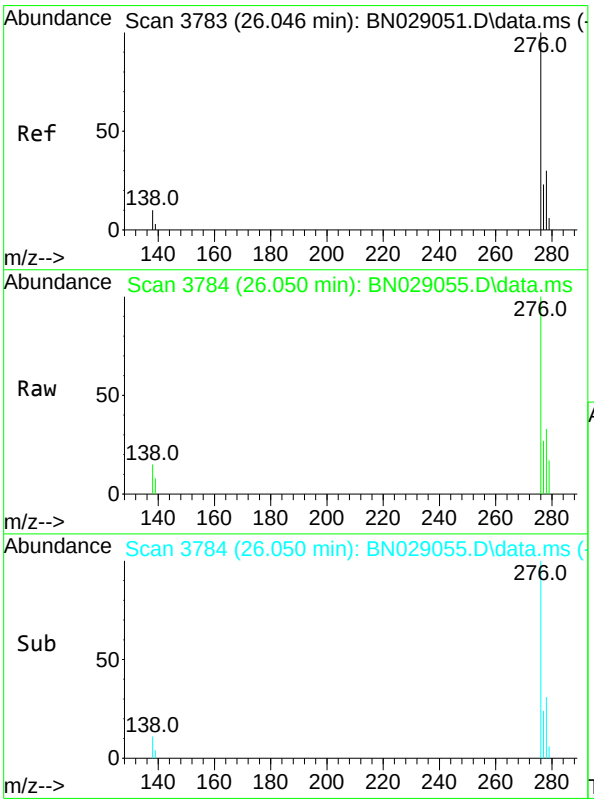
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.673 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:264 Resp: 2684

Ion	Ratio	Lower	Upper
264	100		
260	31.9	23.9	35.9
265	93.8	52.7	79.1#

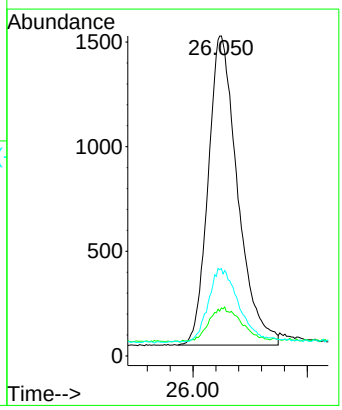


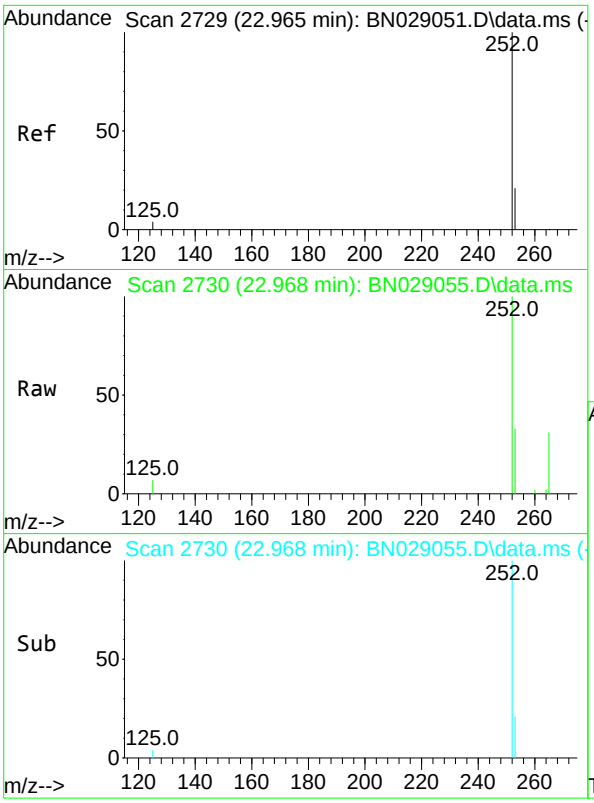


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 26.050 min Scan# 3784
Delta R.T. 0.009 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:276 Resp: 5281

Ion	Ratio	Lower	Upper
276	100		
138	11.8	9.6	14.4
277	24.3	19.4	29.0



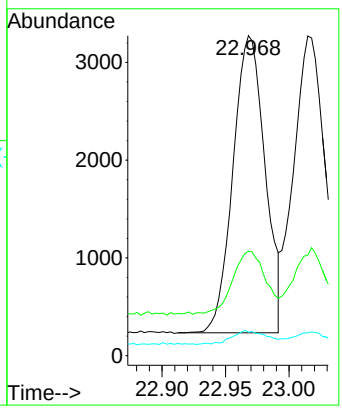


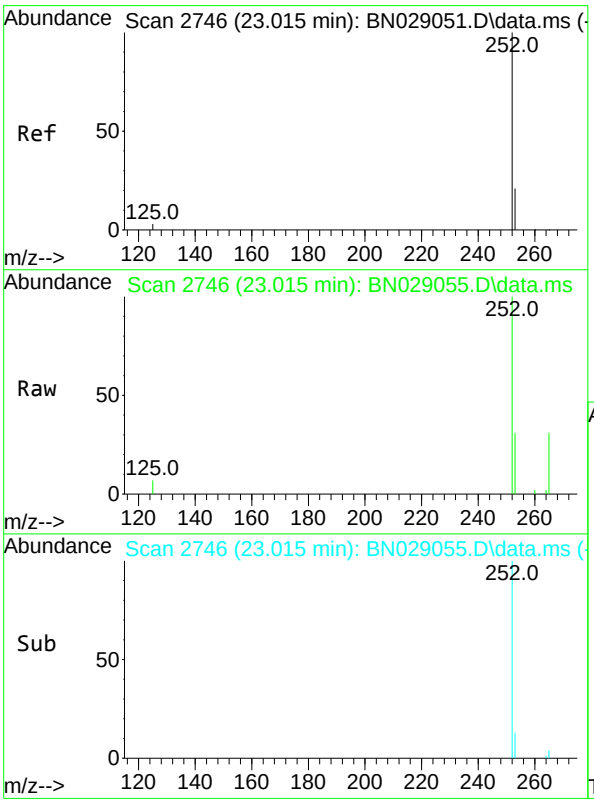
#37
Benzo(b)fluoranthene
Concen: 0.371 ng
RT: 22.968 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:252 Resp: 5339

Ion	Ratio	Lower	Upper
252	100		
253	32.7	23.0	34.6
125	7.4	5.4	8.0

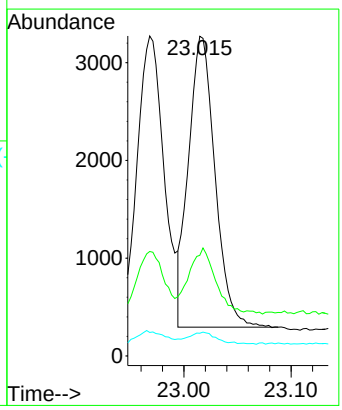


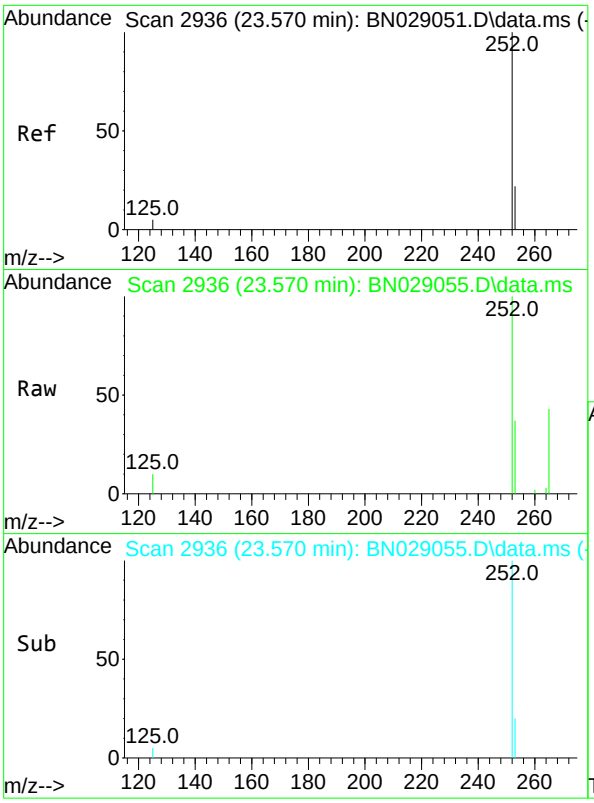


#38
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 23.015 min Scan# 2746
Delta R.T. 0.003 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:252 Resp: 5112

Ion	Ratio	Lower	Upper
252	100		
253	31.5	23.0	34.4
125	7.1	5.0	7.6



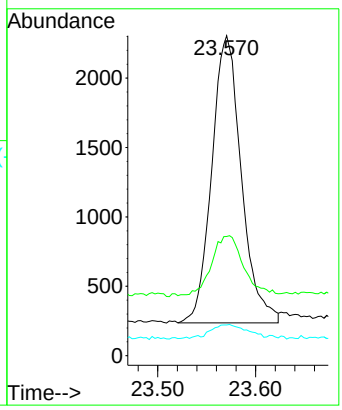


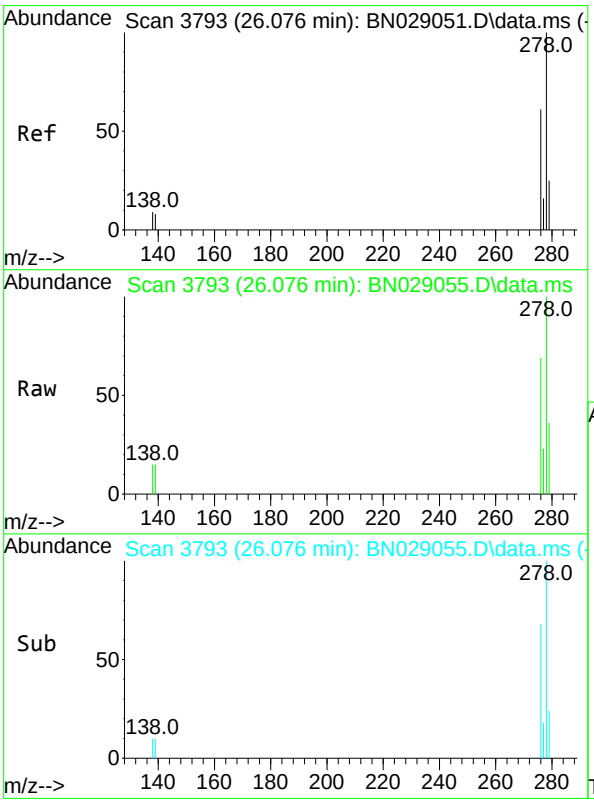
#39
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.570 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:252 Resp: 4348

Ion	Ratio	Lower	Upper
252	100		
253	37.3	25.3	37.9
125	9.6	6.5	9.7

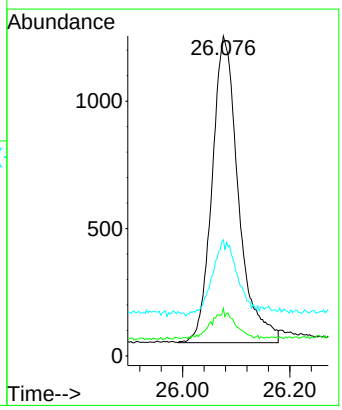


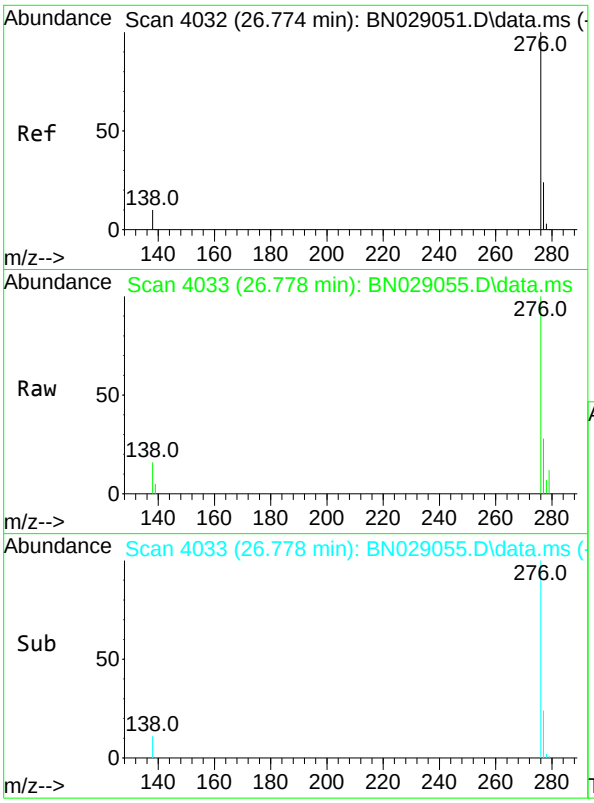


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 26.076 min Scan# 3793
Delta R.T. 0.003 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Tgt Ion:278 Resp: 4106

Ion	Ratio	Lower	Upper
278	100		
139	14.8	9.4	14.2#
279	36.3	24.2	36.4





#41
Benzo(g,h,i)perylene
Concen: 0.391 ng
RT: 26.778 min Scan# 4
Delta R.T. 0.009 min
Lab File: BN029055.D
Acq: 06 Dec 2023 14:46

Instrument :
BNA_N
ClientSampleId :
PB156825BS

Tgt Ion:276 Resp: 4511

Ion	Ratio	Lower	Upper
276	100		
277	27.8	20.3	30.5
138	15.9	9.2	13.8#