Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110823\
Data File : BN028501.D
Acq On : 08 Nov 2023 16:08
Operator : MA/JU
Sample : PB156727BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Quant Time: Nov 08 16:53:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 00:27:19 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.710	152	11362	0.400	ng		0.00
7) Naphthalene-d8	10.498	136	33787	0.400	ng		#-0.01
13) Acenaphthene-d10	14.353	164	19070	0.400	ng		-0.01
19) Phenanthrene-d10	17.109	188	44632	0.400	ng		# 0.00
29) Chrysene-d12	21.320	240	30386	0.400	ng		# 0.00
35) Perylene-d12	23.637	264	28035	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.291	112	11661	0.343	ng		0.00
5) Phenol-d6	6.879	99	14367	0.329	ng		0.00
8) Nitrobenzene-d5	8.865	82	8500	0.282	ng		0.00
11) 2-Methylnaphthalene-d10	12.098	152	23641	0.403	ng		0.00
14) 2,4,6-Tribromophenol	15.856	330	3149	0.295	ng		0.00
15) 2-Fluorobiphenyl	12.985	172	25777	0.308	ng		0.00
27) Fluoranthene-d10	19.153	212	41273	0.303	ng		0.00
31) Terphenyl-d14	19.761	244	26899	0.333	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	3763	0.275	ng	#	63
3) n-Nitrosodimethylamine	3.507	42	5260	0.335	ng	#	98
6) bis(2-Chloroethyl)ether	7.139	93	12820	0.355	ng		99
9) Naphthalene	10.552	128	36072	0.342	ng		99
10) Hexachlorobutadiene	10.840	225	6301	0.336	ng	#	99
12) 2-Methylnaphthalene	12.174	142	23270	0.322	ng		99
16) Acenaphthylene	14.075	152	37226	0.371	ng		100
17) Acenaphthene	14.418	154	22656	0.339	ng		100
18) Fluorene	15.412	166	31786	0.336	ng		100
20) 4,6-Dinitro-2-methylph...	15.487	198	2081	0.378	ng	#	80
21) 4-Bromophenyl-phenylether	16.302	248	9725	0.326	ng	#	74
22) Hexachlorobenzene	16.414	284	10458	0.335	ng		100
23) Atrazine	16.588	200	8442	0.321	ng		98
24) Pentachlorophenol	16.762	266	6158	0.461	ng		100
25) Phenanthrene	17.146	178	51842	0.350	ng		100
26) Anthracene	17.233	178	46175	0.340	ng		100
28) Fluoranthene	19.181	202	55392	0.312	ng		100
30) Pyrene	19.543	202	56090	0.388	ng		100
32) Benzo(a)anthracene	21.311	228	46022	0.362	ng		100
33) Chrysene	21.356	228	45854	0.362	ng		98
34) Bis(2-ethylhexyl)phtha...	21.257	149	23745	0.302	ng		99
36) Indeno(1,2,3-cd)pyrene	26.011	276	41132	0.364	ng		98
37) Benzo(b)fluoranthene	22.936	252	42072	0.364	ng		99
38) Benzo(k)fluoranthene	22.983	252	40612	0.360	ng		99
39) Benzo(a)pyrene	23.538	252	35798	0.363	ng		99
40) Dibenzo(a,h)anthracene	26.035	278	32910	0.373	ng		97
41) Benzo(g,h,i)perylene	26.737	276	33709	0.345	ng		98

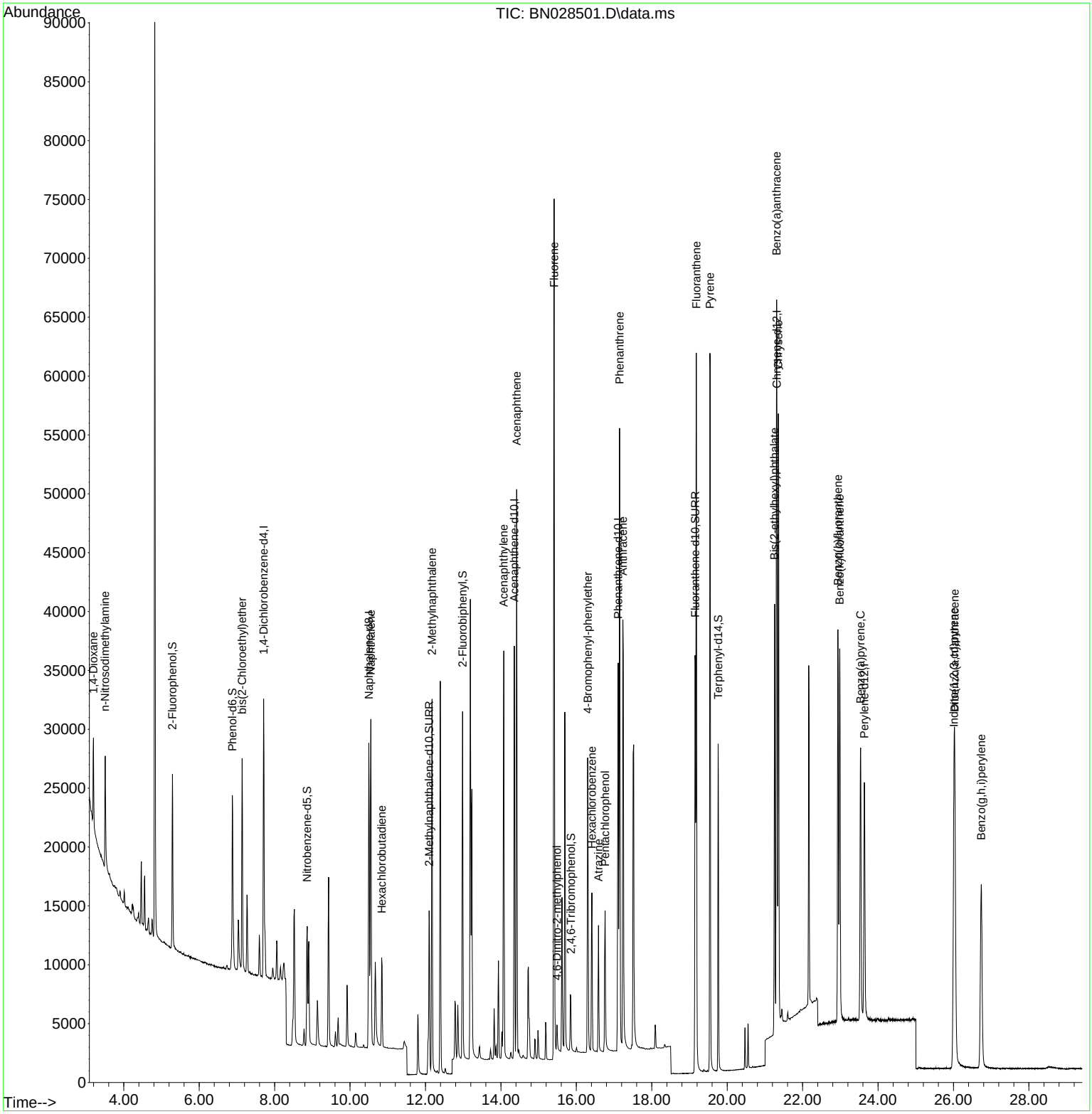
(#) = qualifier out of range (m) = manual integration (+) = signals summed

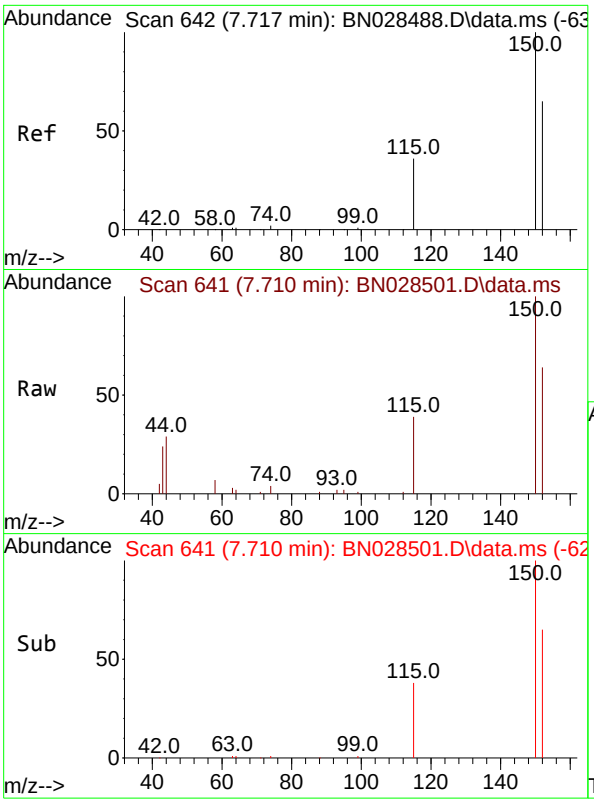
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110823\
Data File : BN028501.D
Acq On : 08 Nov 2023 16:08
Operator : MA/JU
Sample : PB156727BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Quant Time: Nov 08 16:53:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 00:27:19 2023
Response via : Initial Calibration



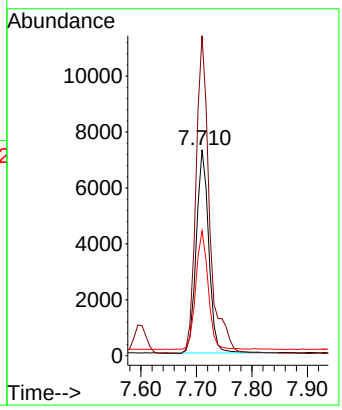


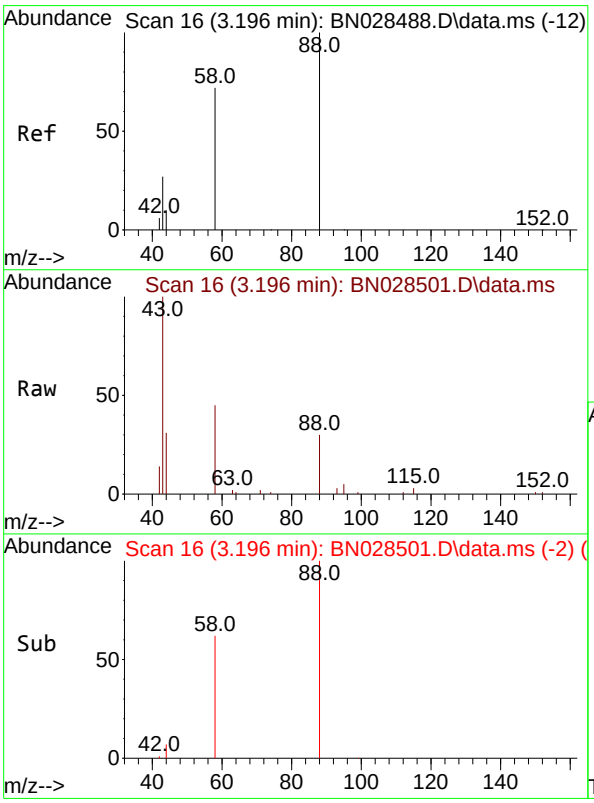
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:152 Resp: 11362

Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.5	183.7
115	60.6	47.5	71.3

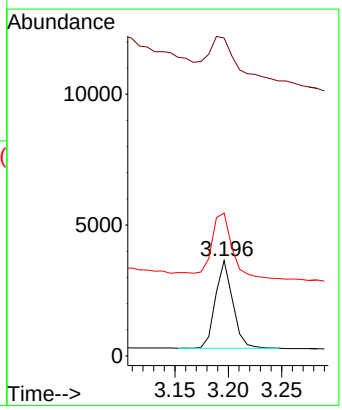


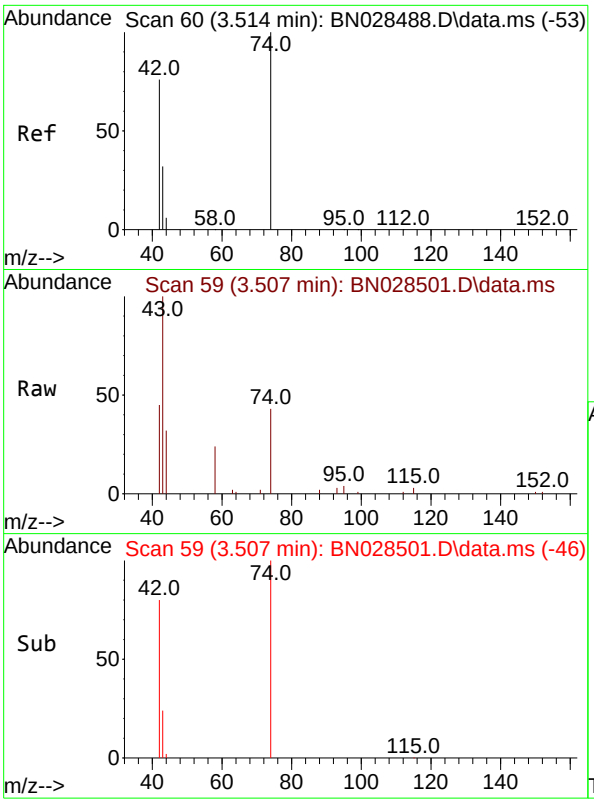


#2
1,4-Dioxane
Concen: 0.275 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion: 88 Resp: 3763

Ion	Ratio	Lower	Upper
88	100		
43	83.3	29.0	43.4#
58	88.6	60.2	90.2



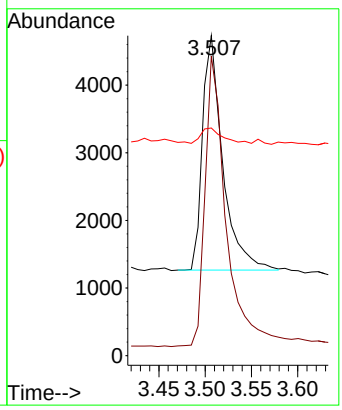


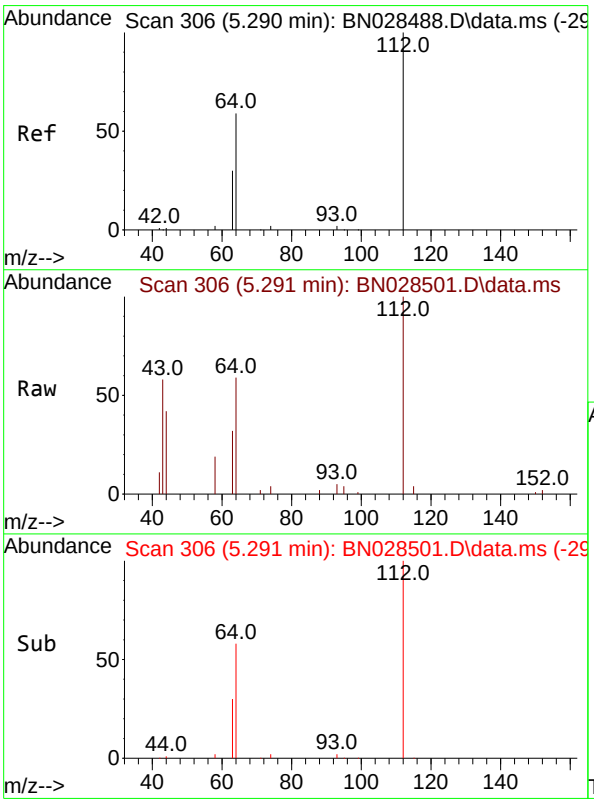
#3
n-Nitrosodimethylamine
Concen: 0.335 ng
RT: 3.507 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion: 42 Resp: 5260

Ion	Ratio	Lower	Upper
42	100		
74	128.5	100.8	151.2
44	6.8	7.3	10.9#

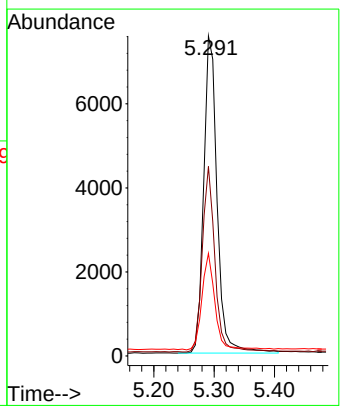


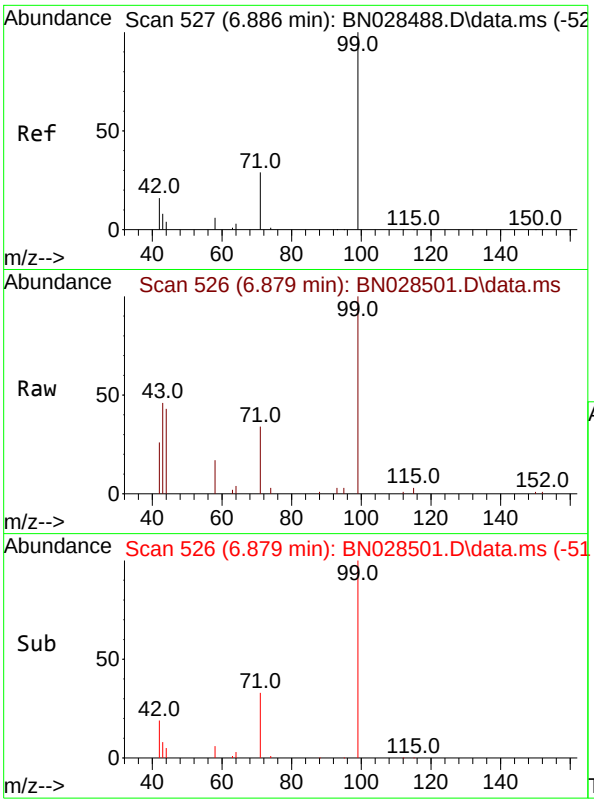


#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:112 Resp: 11661

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	67.0
63	29.9	23.3	34.9



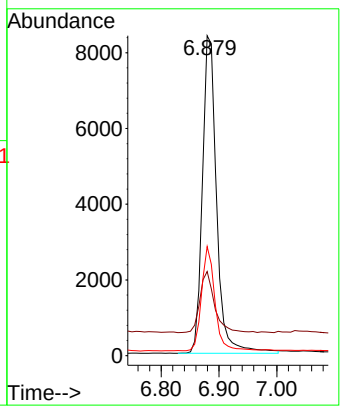


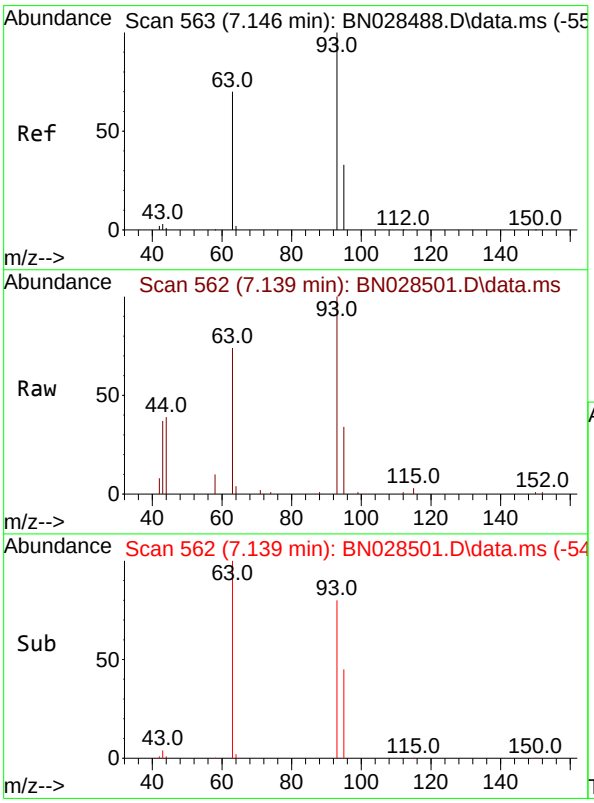
#5
Phenol-d6
Concen: 0.329 ng
RT: 6.879 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion: 99 Resp: 14367

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.8	23.8
71	30.8	25.1	37.7

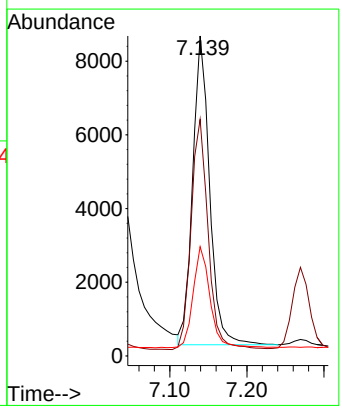


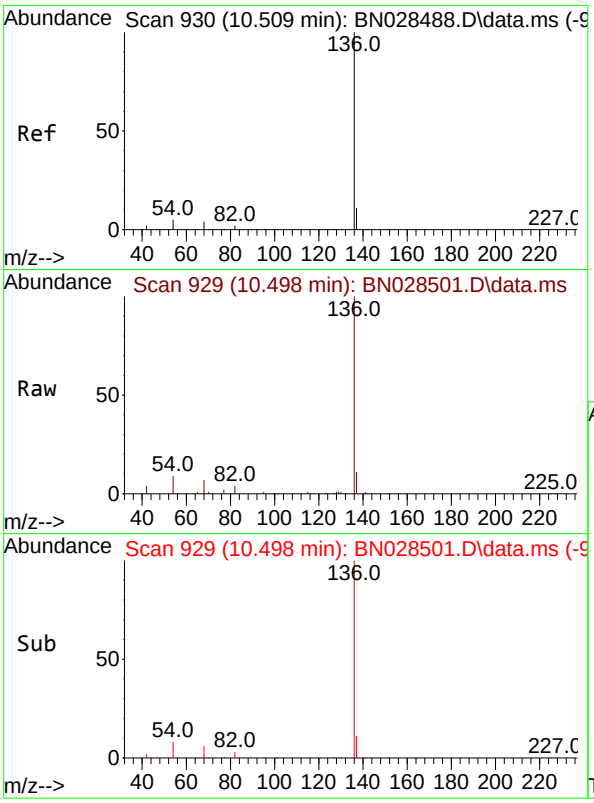


#6
bis(2-Chloroethyl)ether
Concen: 0.355 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion: 93 Resp: 12820

Ion	Ratio	Lower	Upper
93	100		
63	74.9	60.9	91.3
95	33.0	26.2	39.2



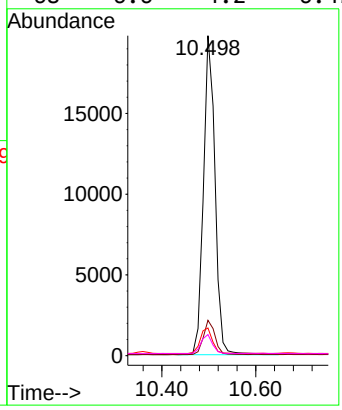


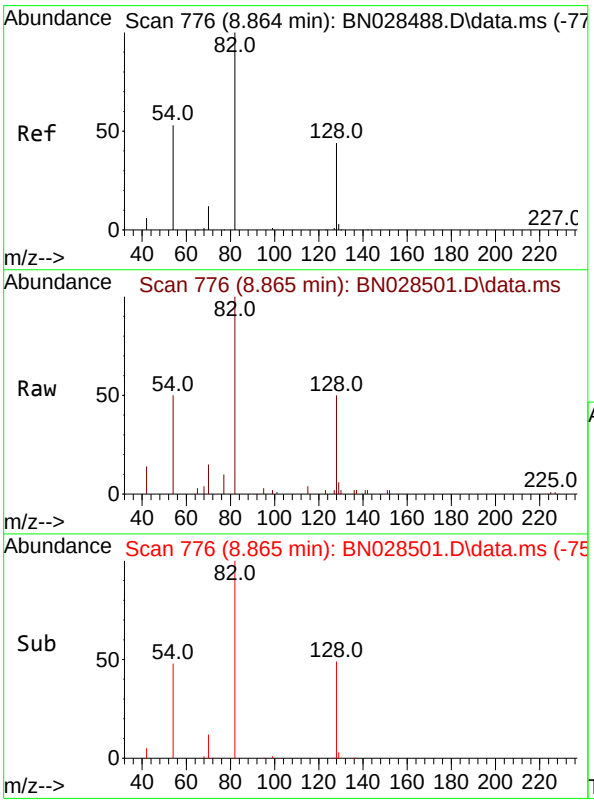
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:136 Resp: 33787

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.6	5.1	7.7#
68	6.6	4.2	6.4#

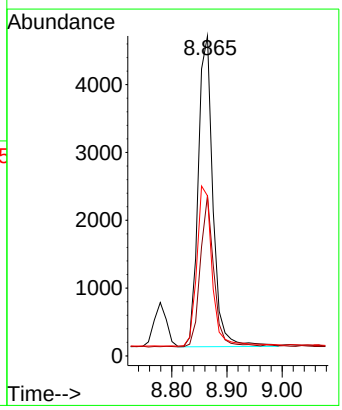


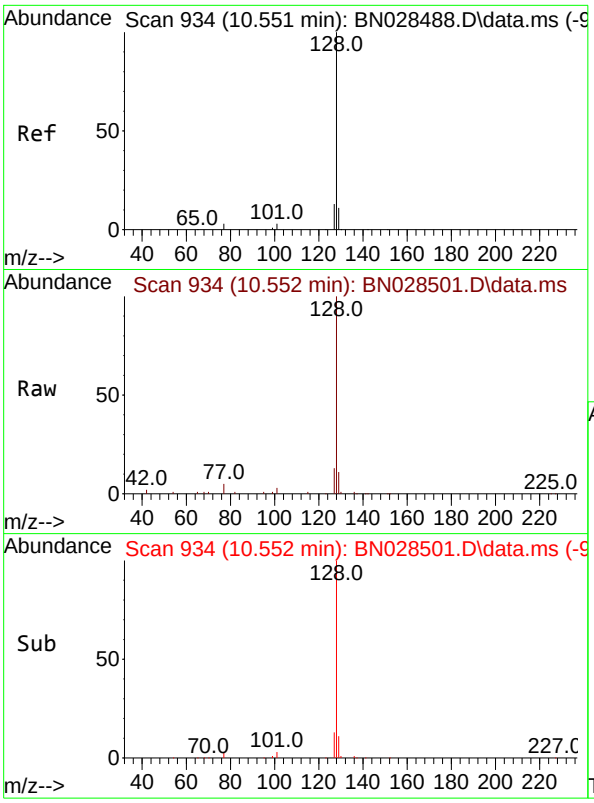


#8
Nitrobenzene-d5
Concen: 0.282 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion: 82 Resp: 8500

Ion	Ratio	Lower	Upper
82	100		
128	50.1	36.5	54.7
54	50.0	43.8	65.8



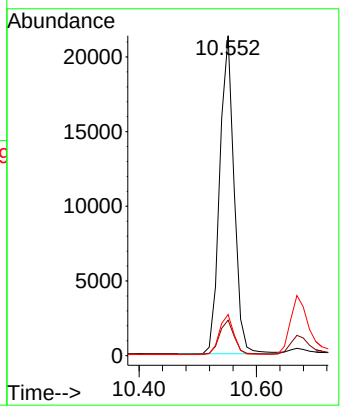


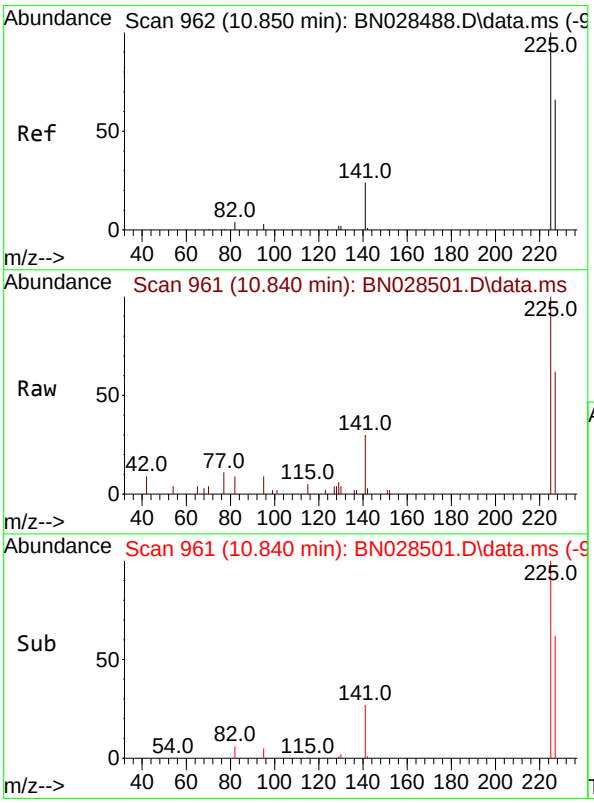
#9
Naphthalene
Concen: 0.342 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:128 Resp: 36072

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	12.9	10.6	15.8

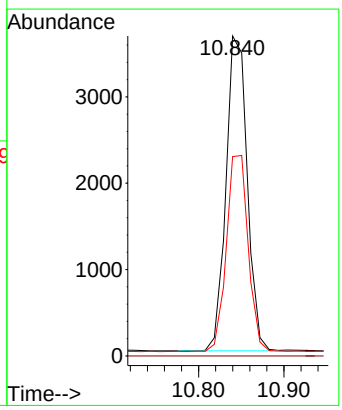


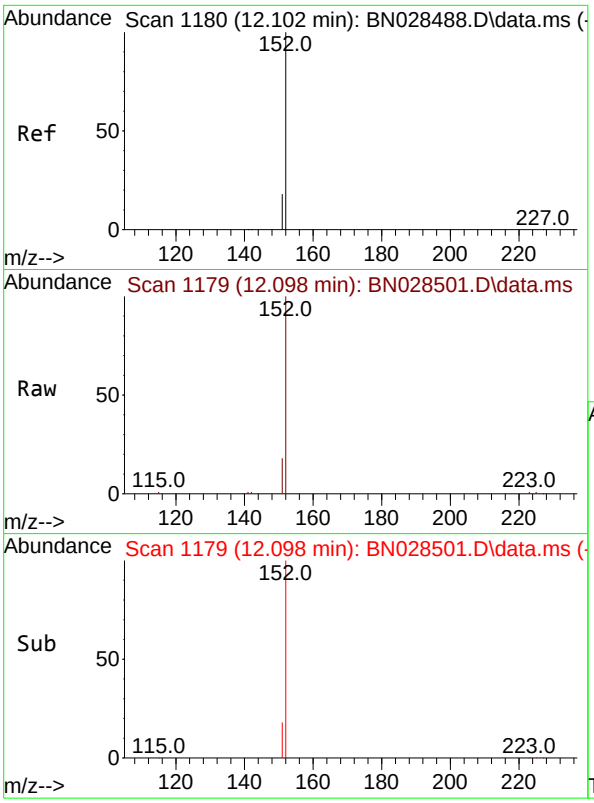


#10
Hexachlorobutadiene
Concen: 0.336 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.011 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:225 Resp: 6301

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.9	77.9



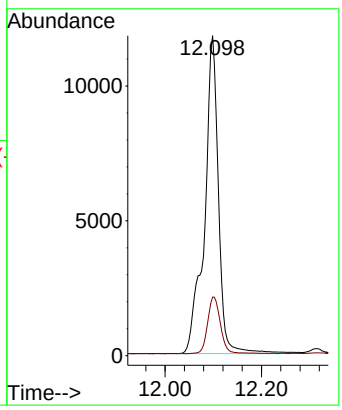


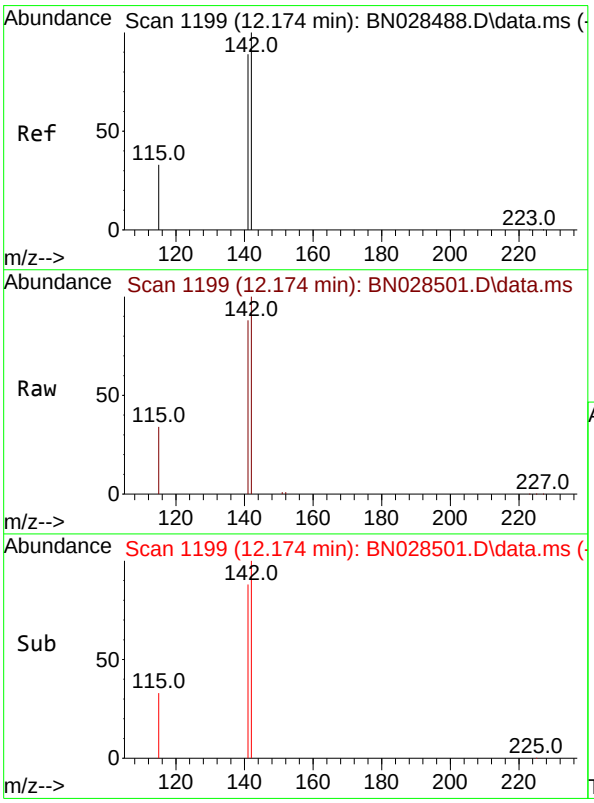
#11
2-Methylnaphthalene-d10
Concen: 0.403 ng
RT: 12.098 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:152 Resp: 23641

Ion	Ratio	Lower	Upper
152	100		
151	16.4	16.1	24.1

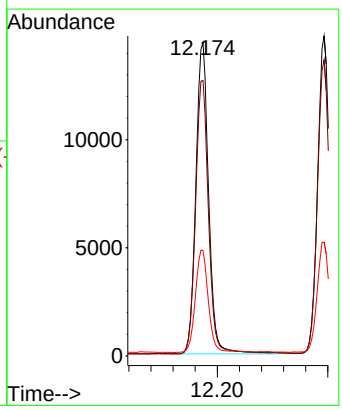


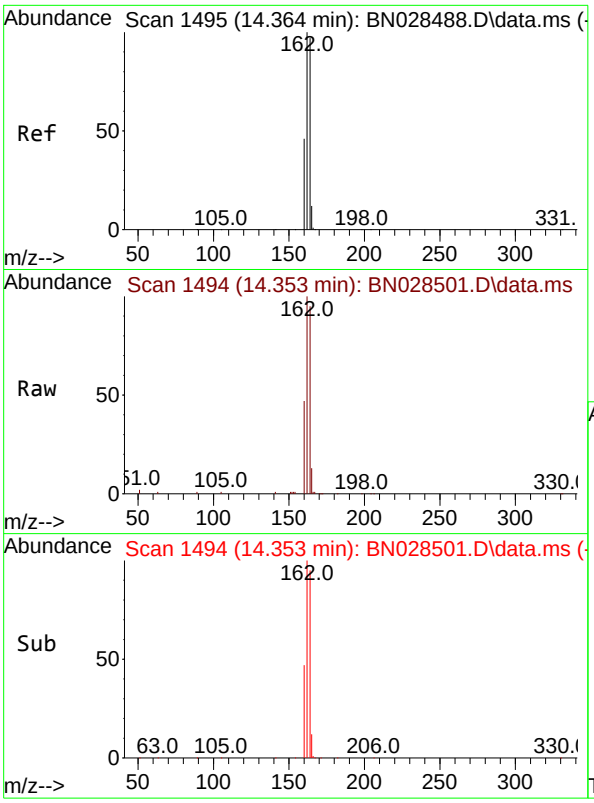


#12
2-Methylnaphthalene
Concen: 0.322 ng
RT: 12.174 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:142 Resp: 23270

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	33.7	27.6	41.4



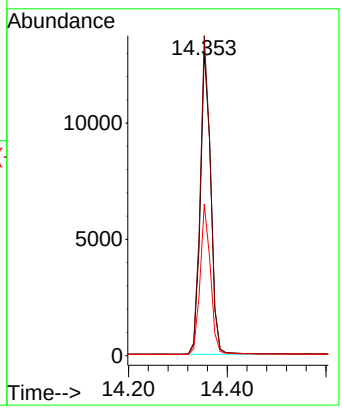


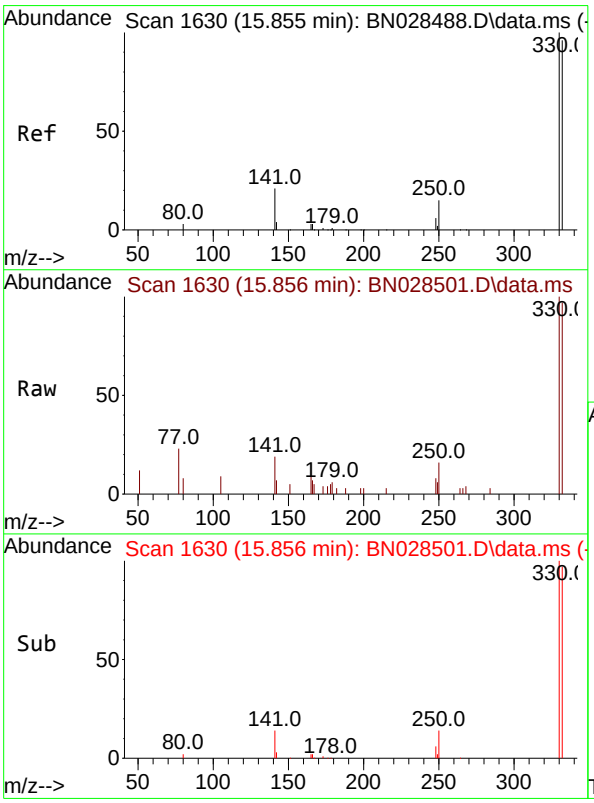
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.353 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:164 Resp: 19070

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.5	123.7
160	49.8	38.1	57.1

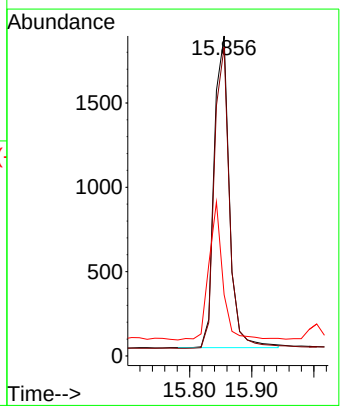


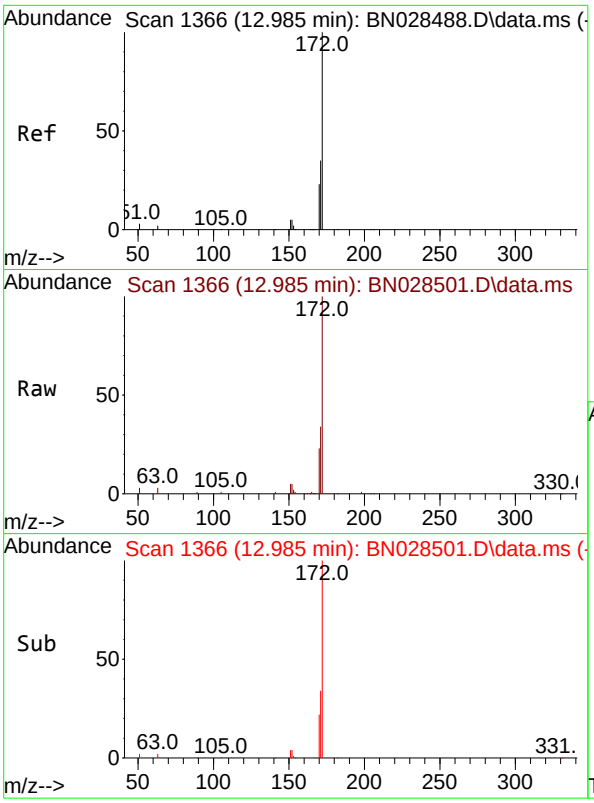


#14
2,4,6-Tribromophenol
Concen: 0.295 ng
RT: 15.856 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:330 Resp: 3149

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.4
141	40.5	32.6	49.0



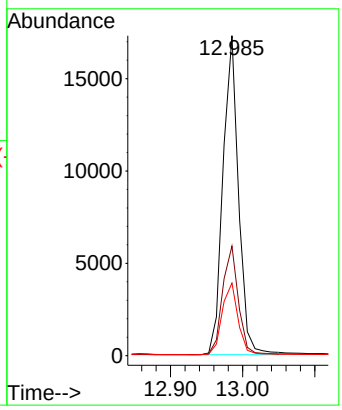


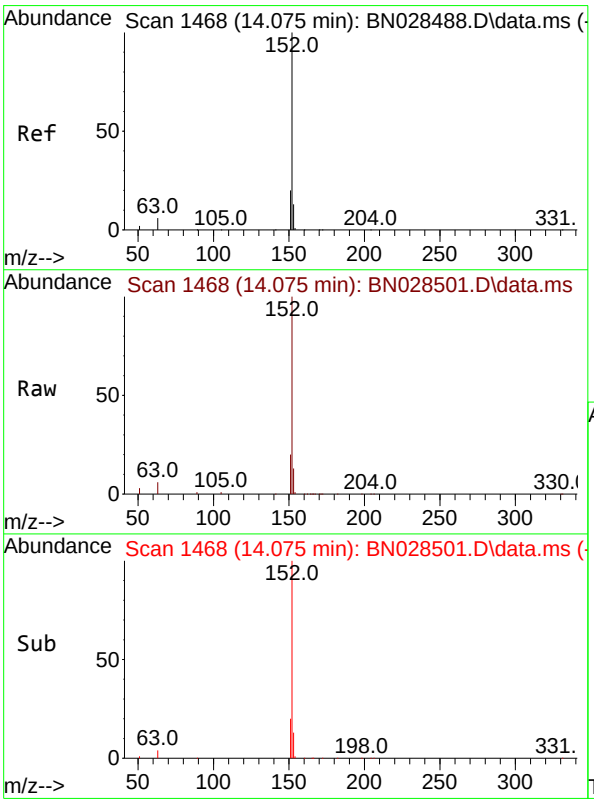
#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.985 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:172 Resp: 25777

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.9	41.9
170	22.7	18.9	28.3

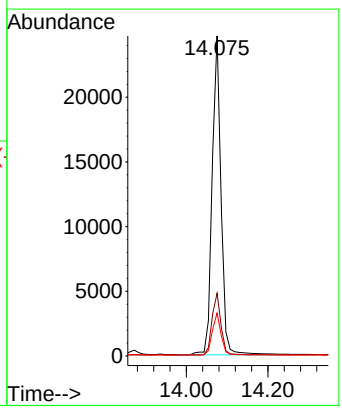


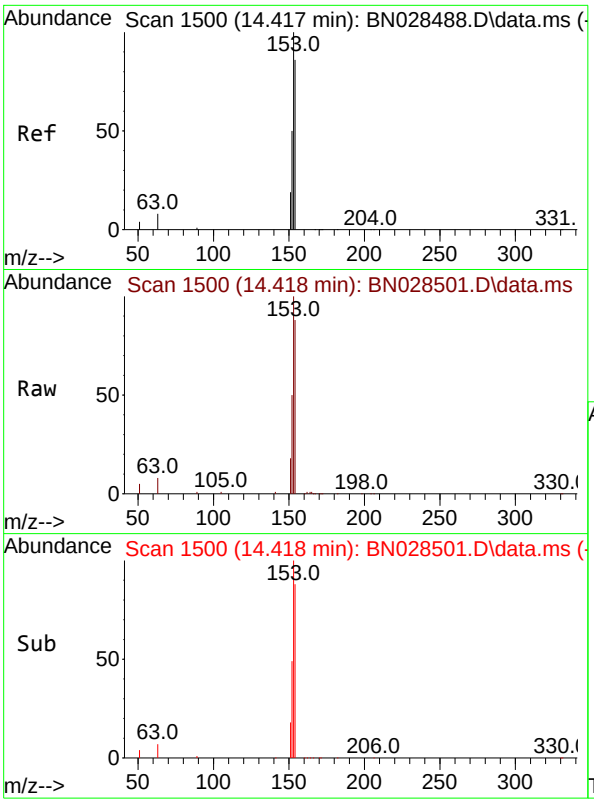


#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.075 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:152 Resp: 37226

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0
153	13.0	10.5	15.7



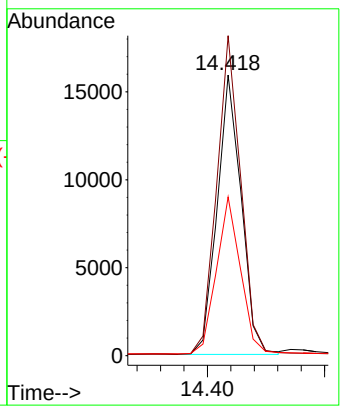


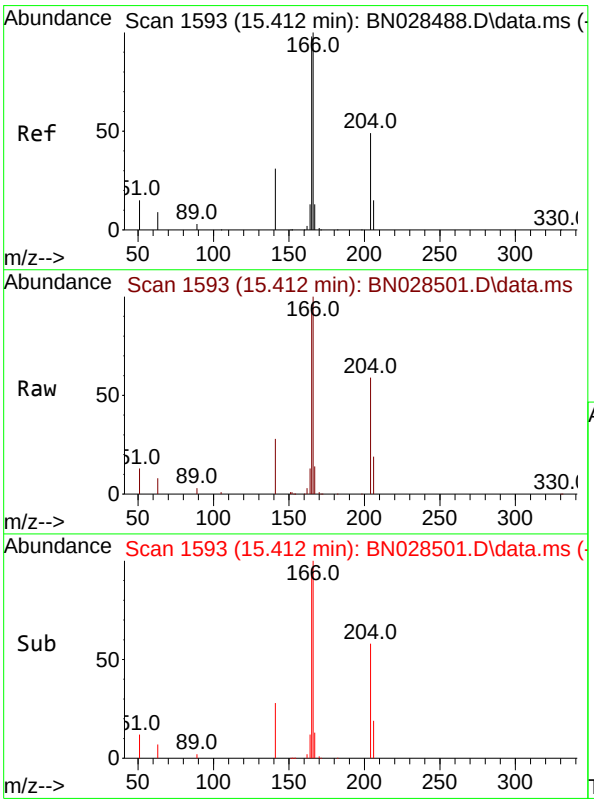
#17
Acenaphthene
Concen: 0.339 ng
RT: 14.418 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:154 Resp: 22656

Ion	Ratio	Lower	Upper
154	100		
153	114.4	92.0	138.0
152	56.5	45.4	68.0

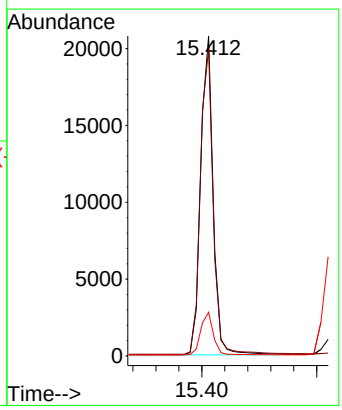


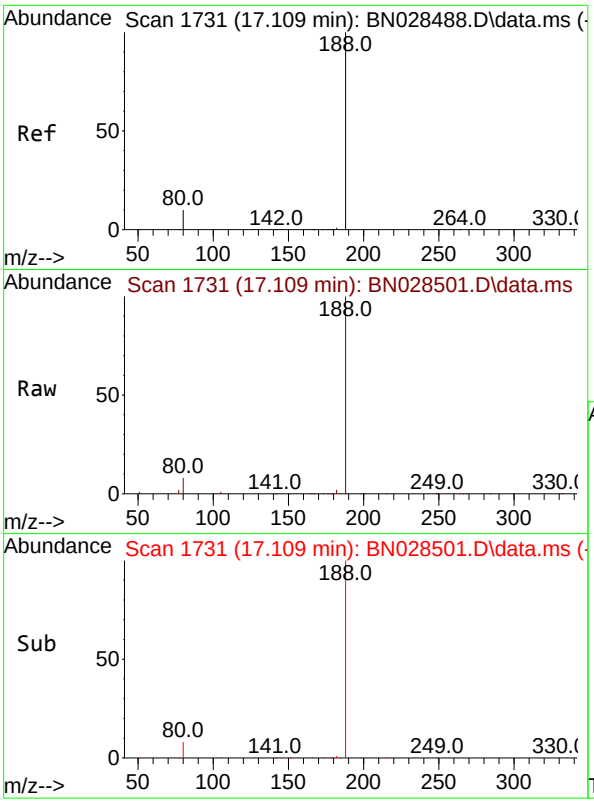


#18
Fluorene
Concen: 0.336 ng
RT: 15.412 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:166 Resp: 31786

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.5	117.7
167	13.6	10.6	16.0



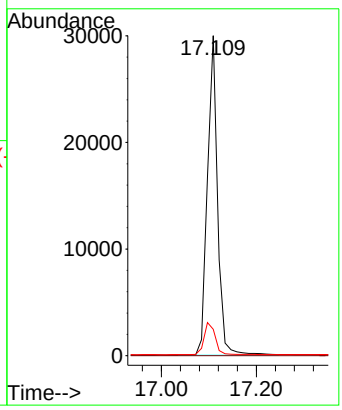


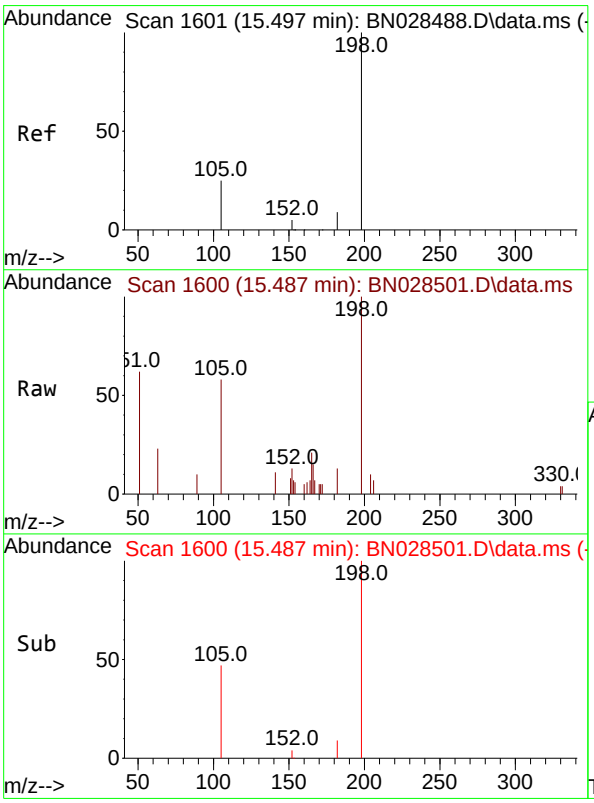
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:188 Resp: 44632

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	8.3	12.5#

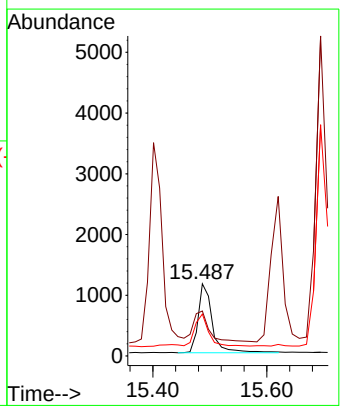


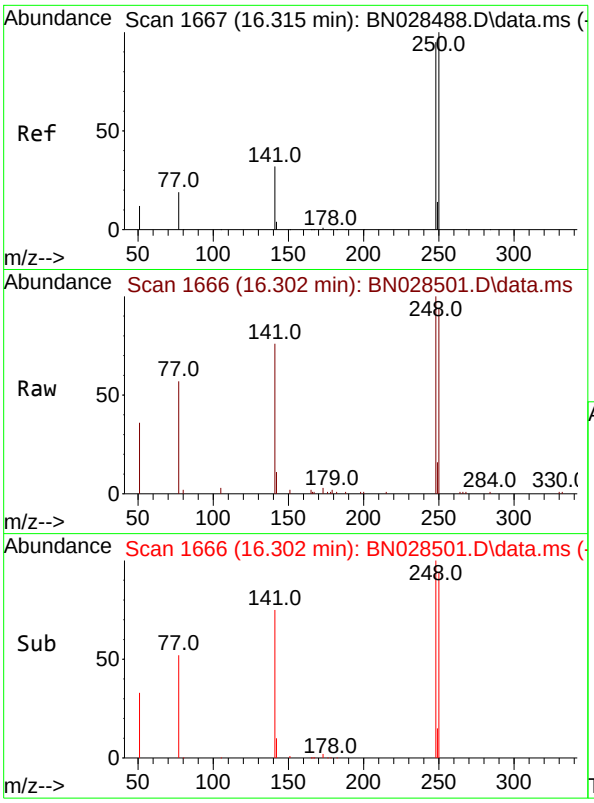


#20
4,6-Dinitro-2-methylphenol
Concen: 0.378 ng
RT: 15.487 min Scan# 1600
Delta R.T. -0.010 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:198 Resp: 2081

Ion	Ratio	Lower	Upper
198	100		
51	62.3	42.1	63.1
105	58.0	32.6	48.8#



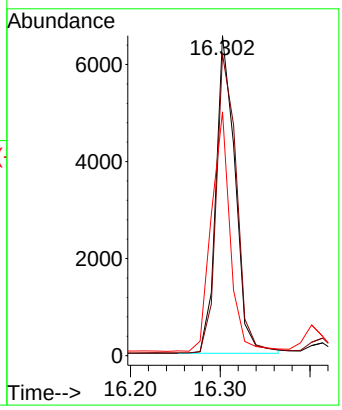


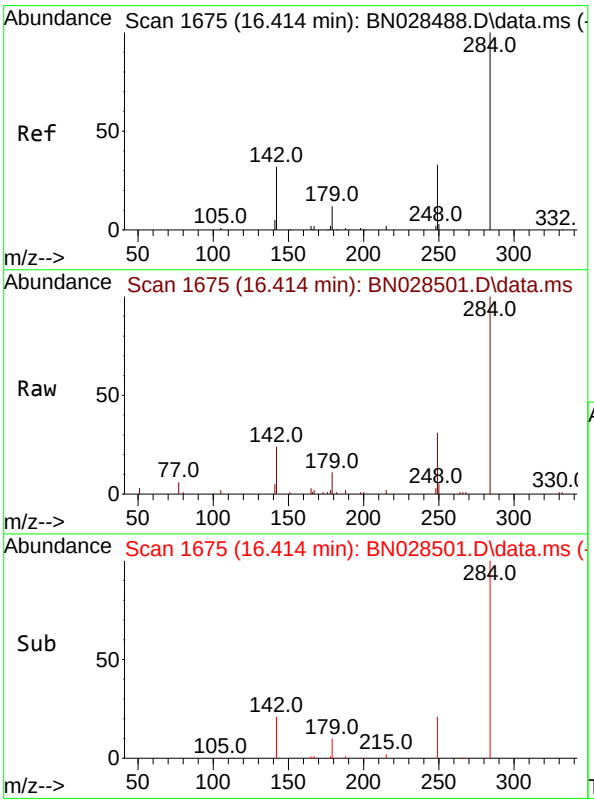
#21
4-Bromophenyl-phenylether
Concen: 0.326 ng
RT: 16.302 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:248 Resp: 9725

Ion	Ratio	Lower	Upper
248	100		
250	94.2	84.6	126.8
141	76.2	28.2	42.2#

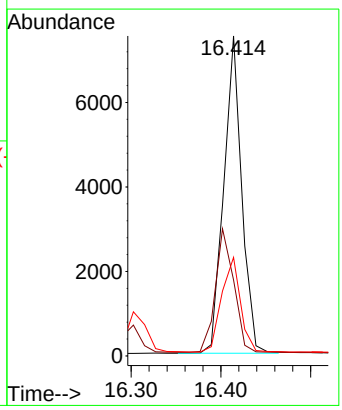


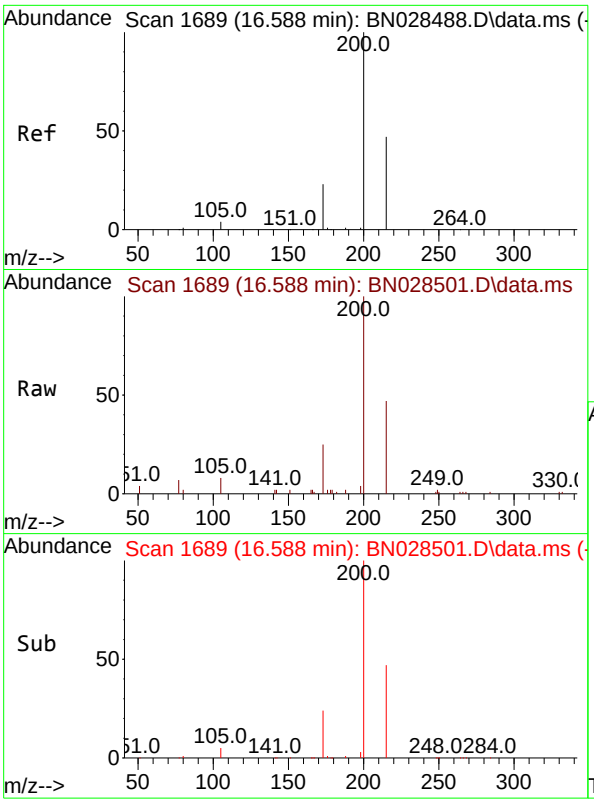


#22
Hexachlorobenzene
Concen: 0.335 ng
RT: 16.414 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:284 Resp: 10458

Ion	Ratio	Lower	Upper
284	100		
142	39.7	31.8	47.6
249	31.2	25.4	38.0



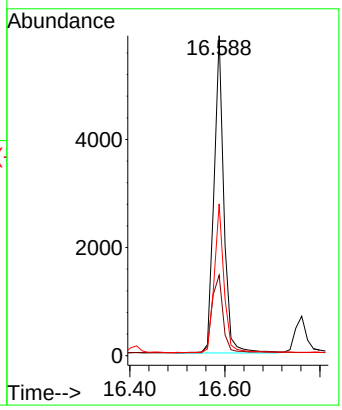


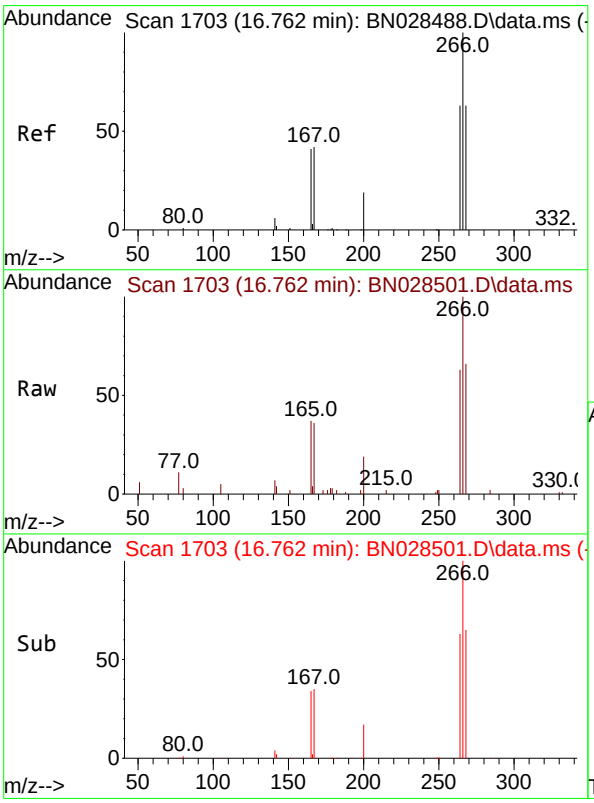
#23
Atrazine
Concen: 0.321 ng
RT: 16.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:200 Resp: 8442

Ion	Ratio	Lower	Upper
200	100		
173	25.1	18.7	28.1
215	47.4	38.3	57.5

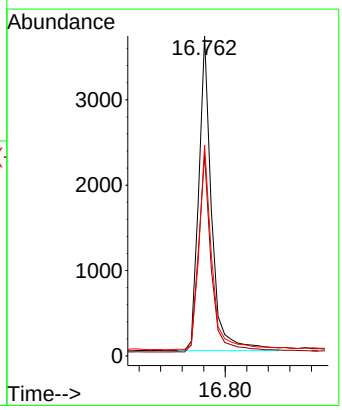


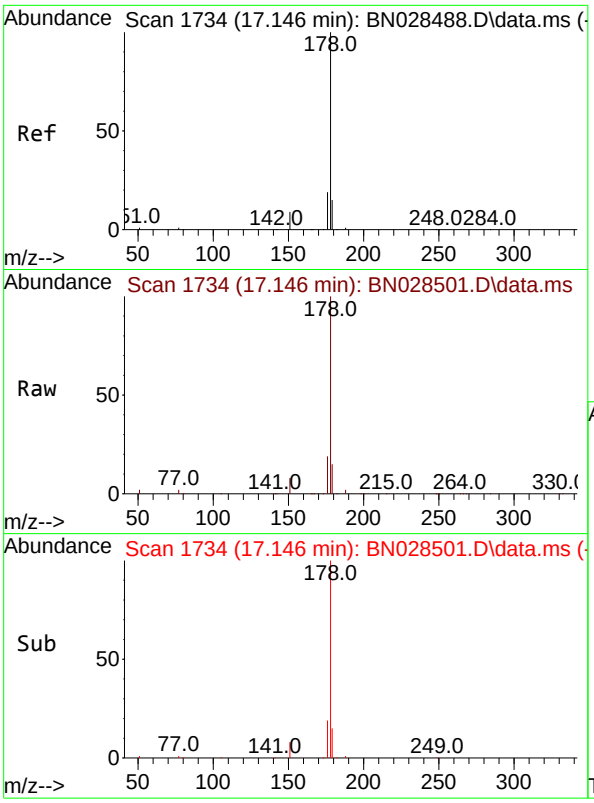


#24
Pentachlorophenol
Concen: 0.461 ng
RT: 16.762 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:266 Resp: 6158

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.5	75.7
268	64.6	51.9	77.9



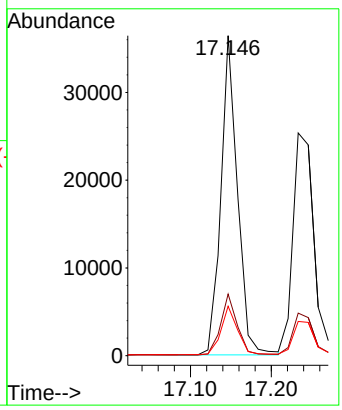


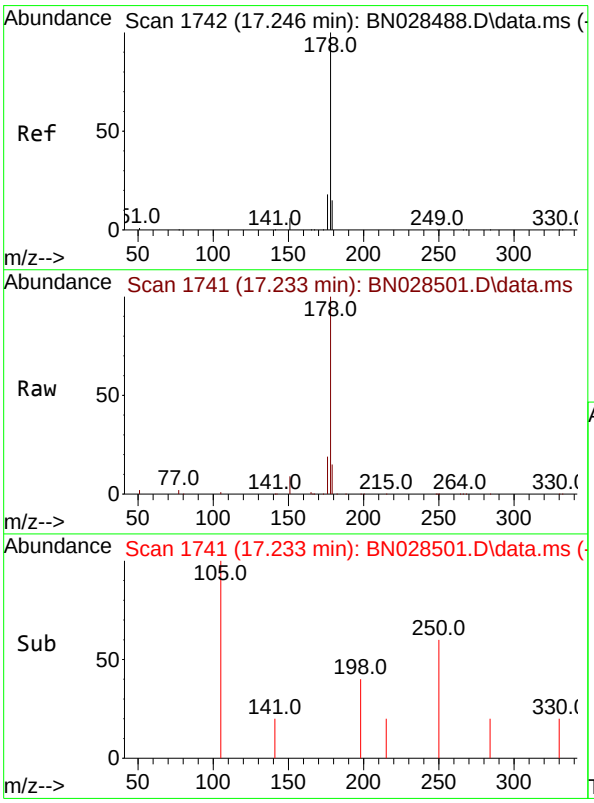
#25
Phenanthrene
Concen: 0.350 ng
RT: 17.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:178 Resp: 51842

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.2	12.5	18.7

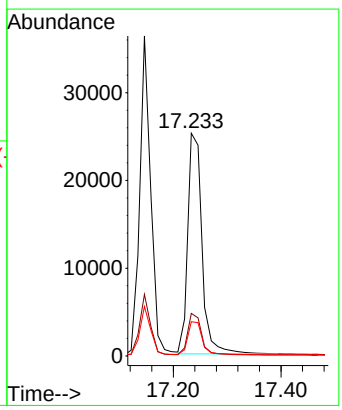


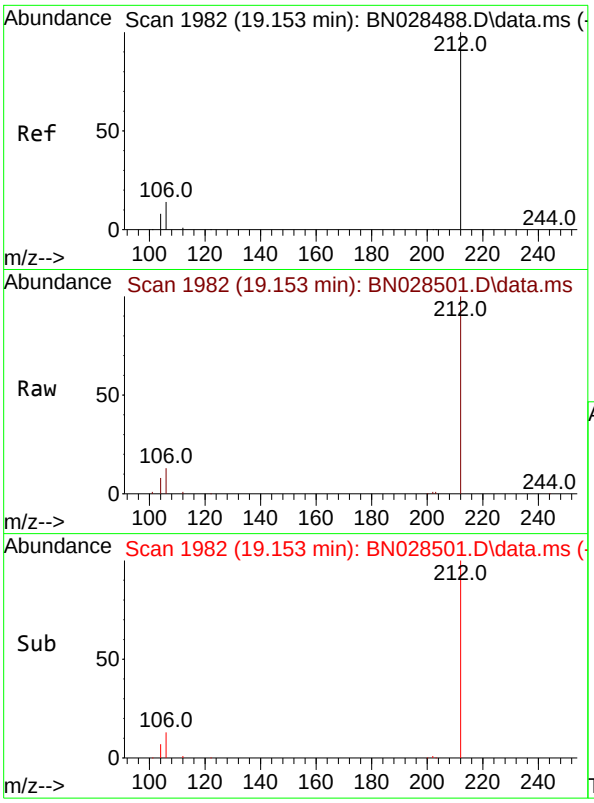


#26
Anthracene
Concen: 0.340 ng
RT: 17.233 min Scan# 1741
Delta R.T. -0.012 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:178 Resp: 46175

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.2	18.4



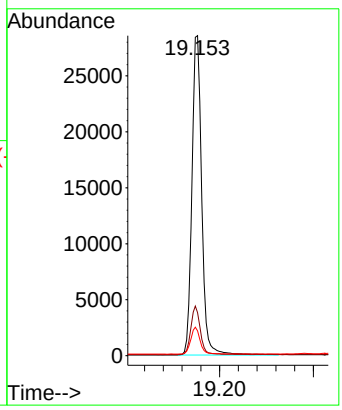


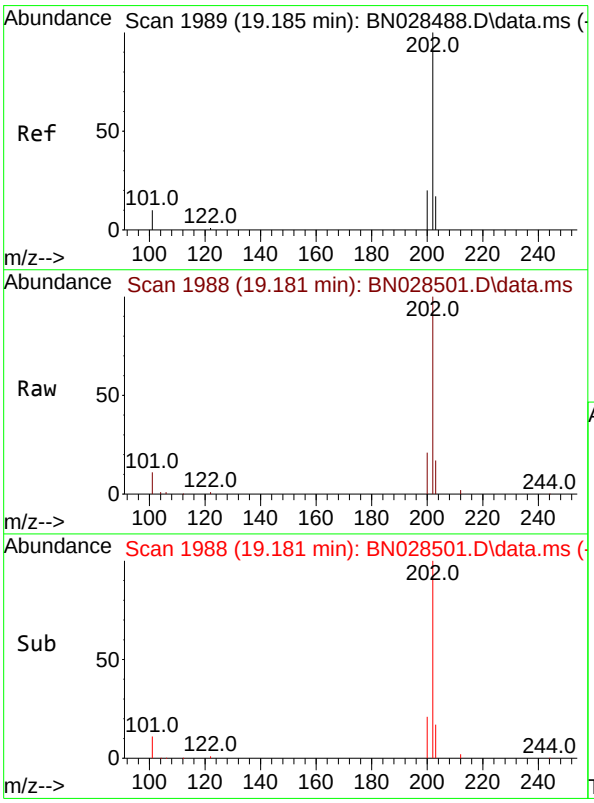
#27
Fluoranthene-d10
Concen: 0.303 ng
RT: 19.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:212 Resp: 41273

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.5	17.3
104	7.9	6.4	9.6

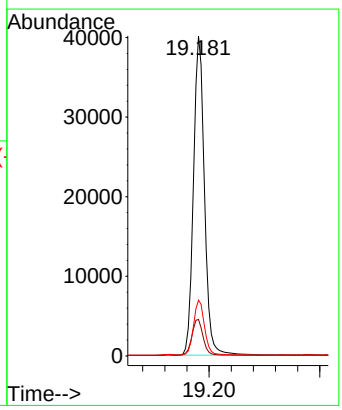


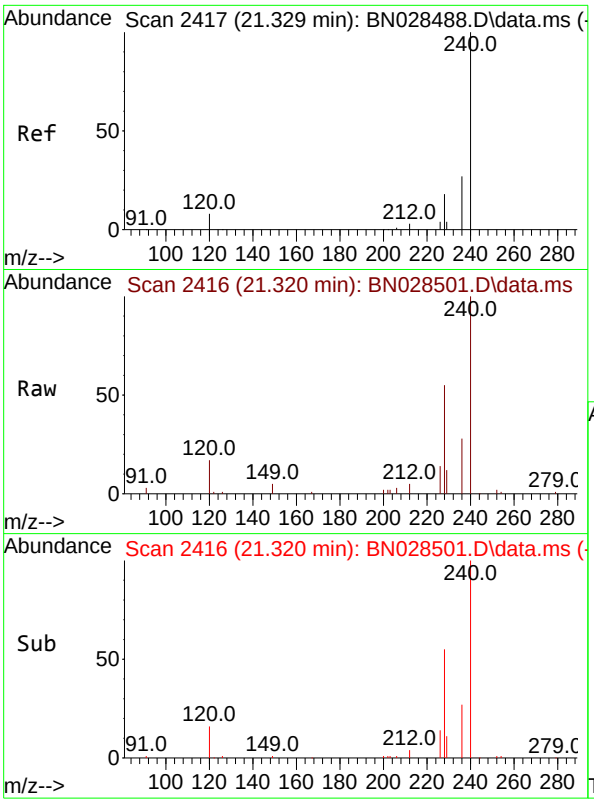


#28
Fluoranthene
Concen: 0.312 ng
RT: 19.181 min Scan# 1988
Delta R.T. -0.005 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:202 Resp: 55392

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7
203	17.3	13.7	20.5



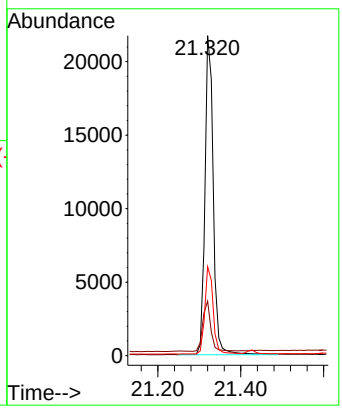


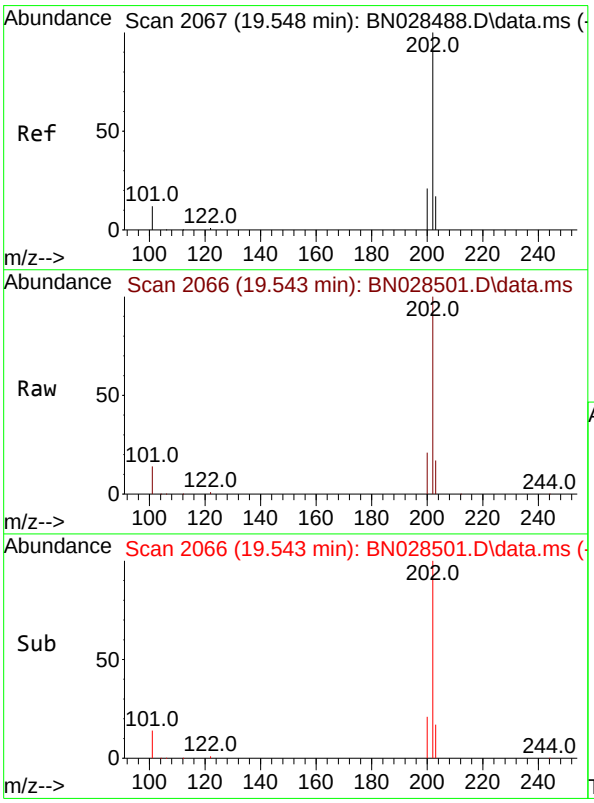
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.320 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:240 Resp: 30386

Ion	Ratio	Lower	Upper
240	100		
120	17.0	7.6	11.4#
236	27.8	21.9	32.9

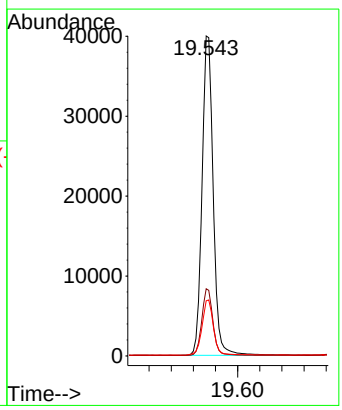


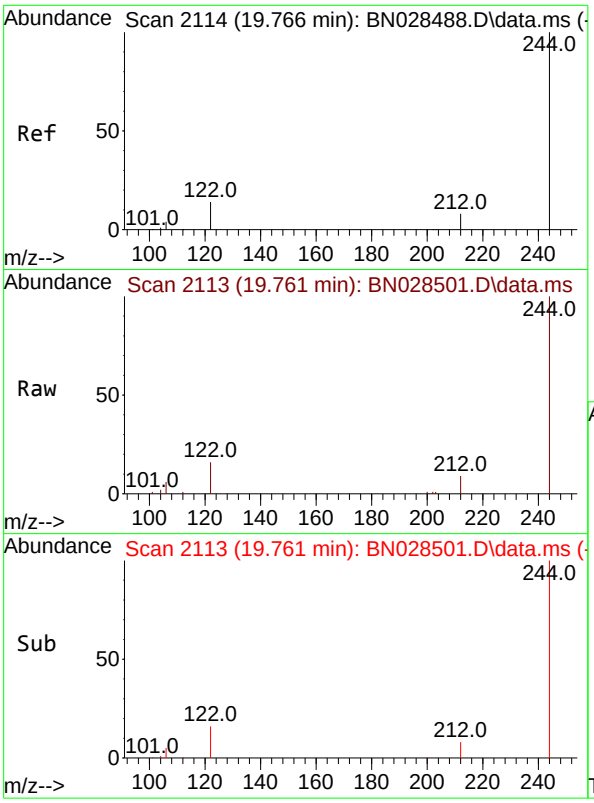


#30
Pyrene
Concen: 0.388 ng
RT: 19.543 min Scan# 2066
Delta R.T. -0.004 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:202 Resp: 56090

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.7	14.3	21.5



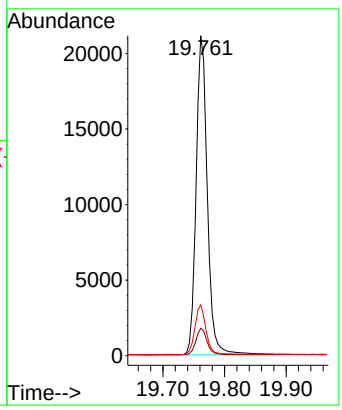


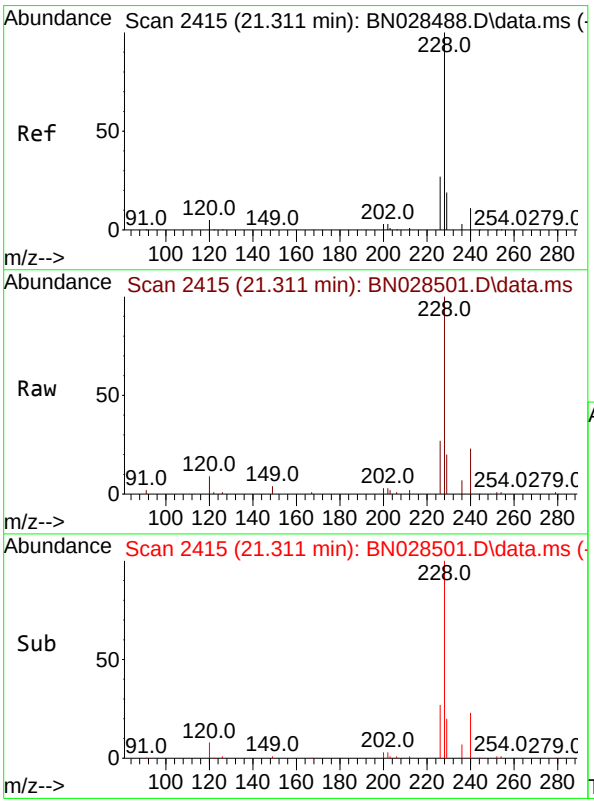
#31
Terphenyl-d14
Concen: 0.333 ng
RT: 19.761 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:244 Resp: 26899

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.6	9.8
122	15.9	11.4	17.2

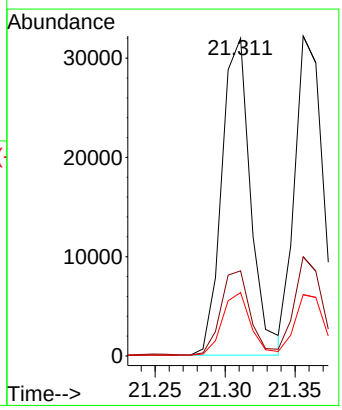


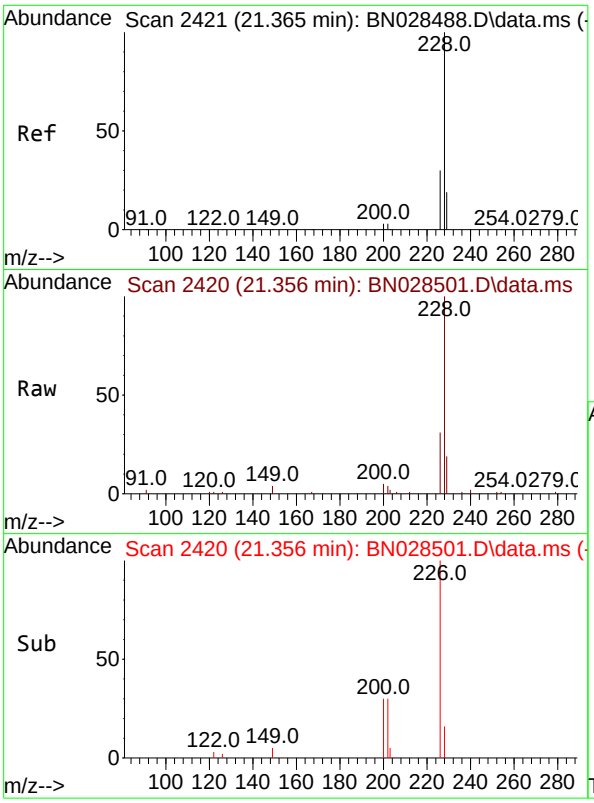


#32
Benzo(a)anthracene
Concen: 0.362 ng
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:228 Resp: 46022

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.9	15.7	23.5



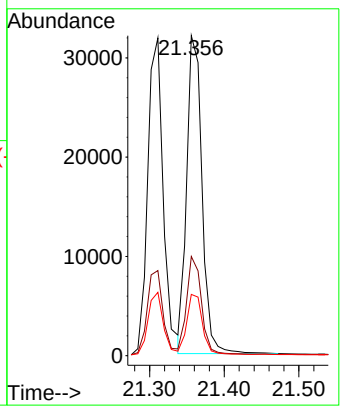


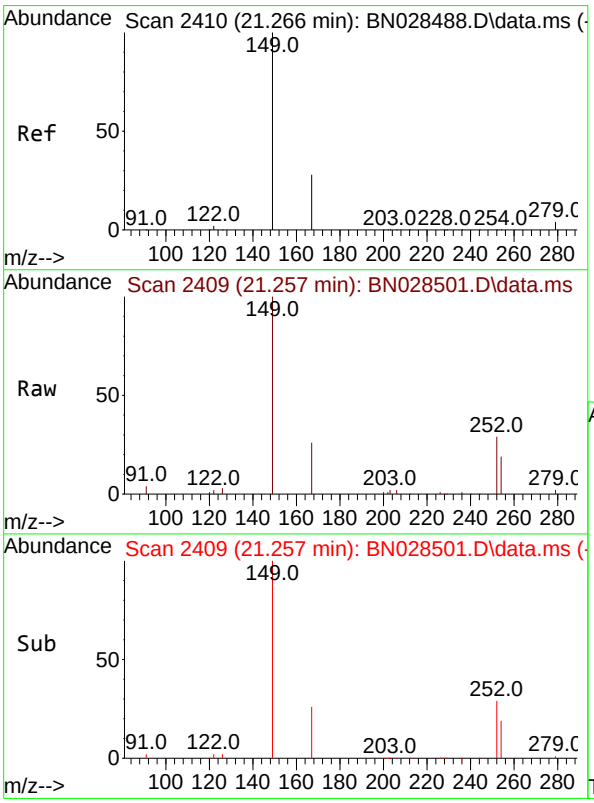
#33
Chrysene
Concen: 0.362 ng
RT: 21.356 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:228 Resp: 45854

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.8
229	19.1	15.7	23.5

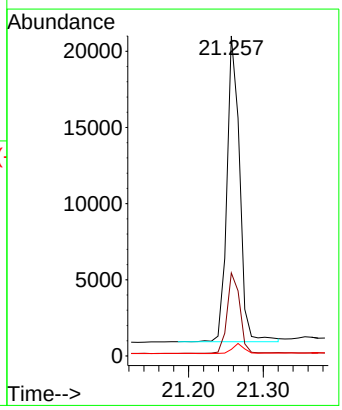


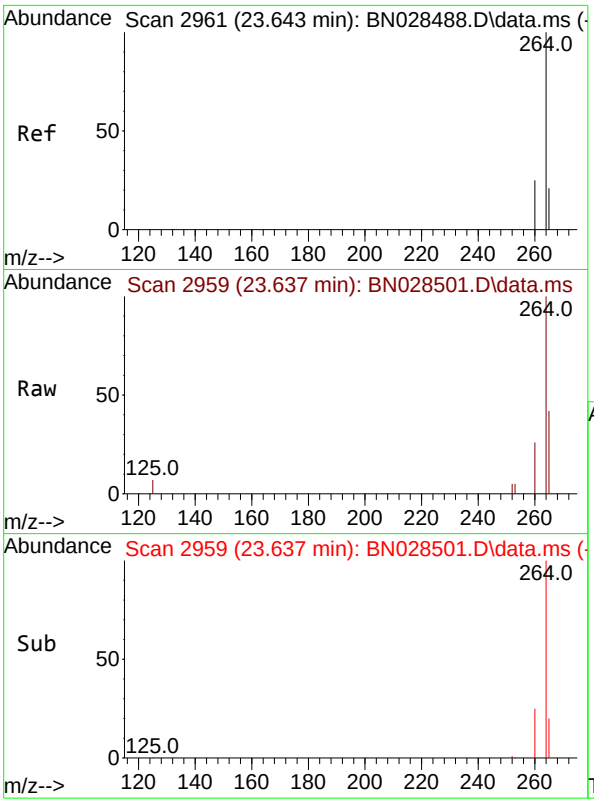


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.302 ng
RT: 21.257 min Scan# 2409
Delta R.T. -0.009 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:149 Resp: 23745

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	3.1	2.6	3.8



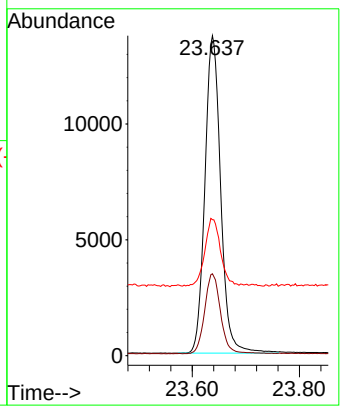


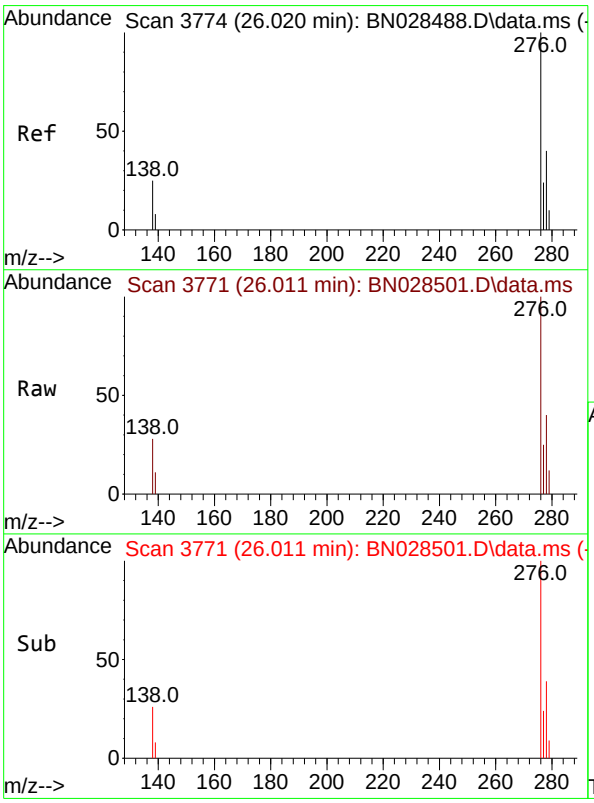
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.637 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:264 Resp: 28035

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.7	31.1
265	42.5	31.6	47.4

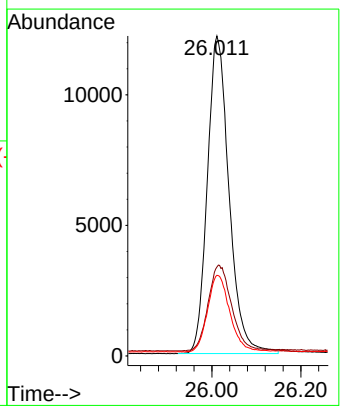


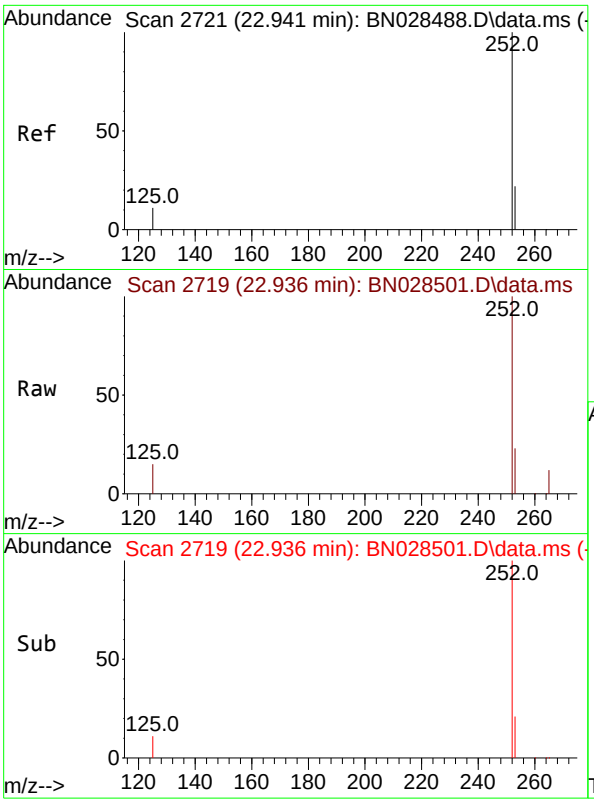


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.364 ng
RT: 26.011 min Scan# 3771
Delta R.T. -0.009 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:276 Resp: 41132

Ion	Ratio	Lower	Upper
276	100		
138	29.3	22.4	33.6
277	24.9	19.8	29.6



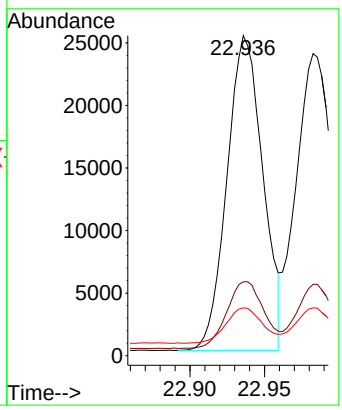


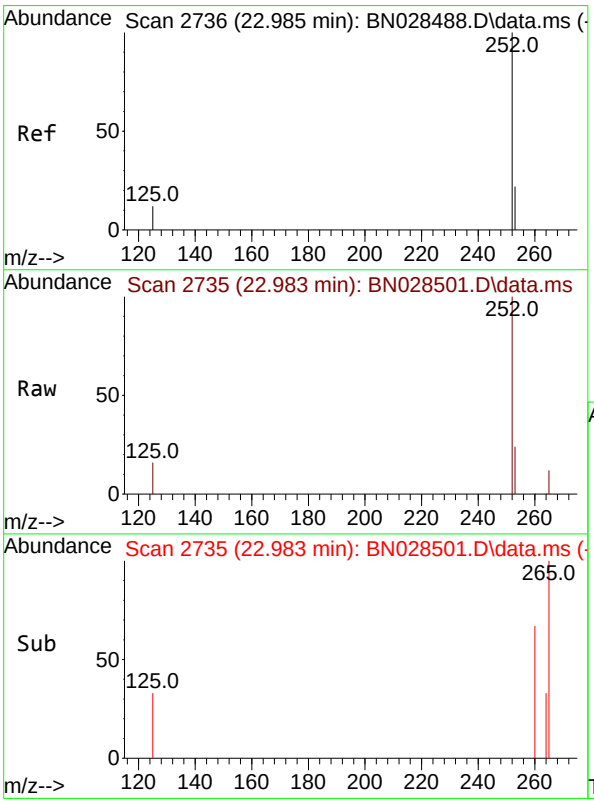
#37
Benzo(b)fluoranthene
Concen: 0.364 ng
RT: 22.936 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:252 Resp: 42072

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	15.0	11.4	17.0

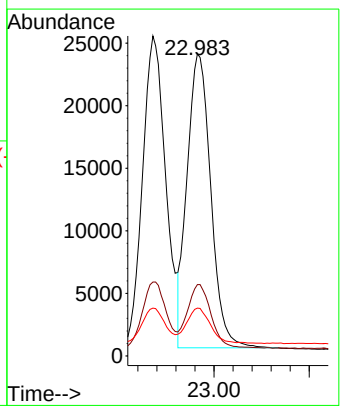


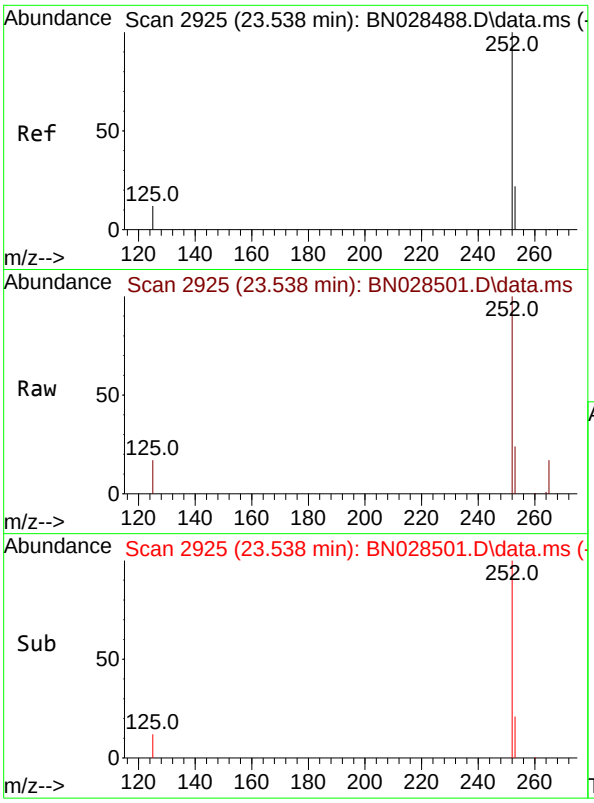


#38
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 22.983 min Scan# 2735
Delta R.T. -0.003 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:252 Resp: 40612

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	15.9	12.0	18.0



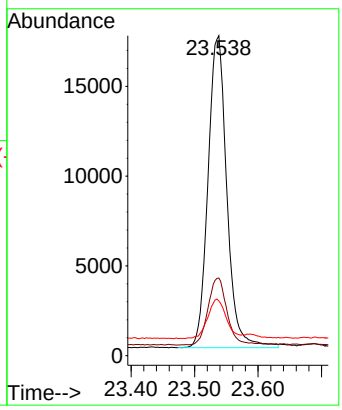


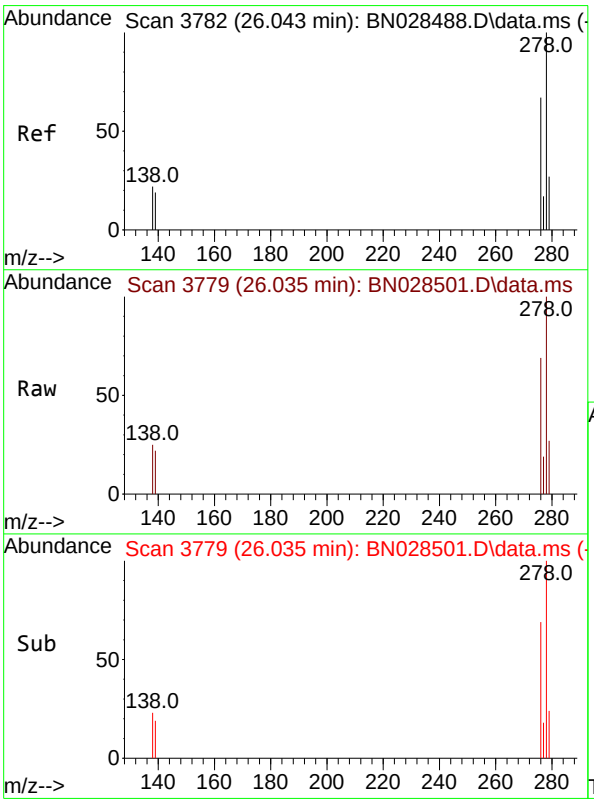
#39
Benzo(a)pyrene
Concen: 0.363 ng
RT: 23.538 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:252 Resp: 35798

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.3	28.9
125	17.1	13.3	19.9

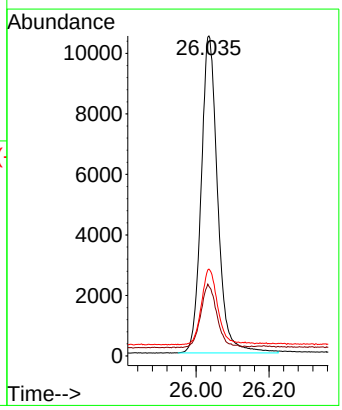


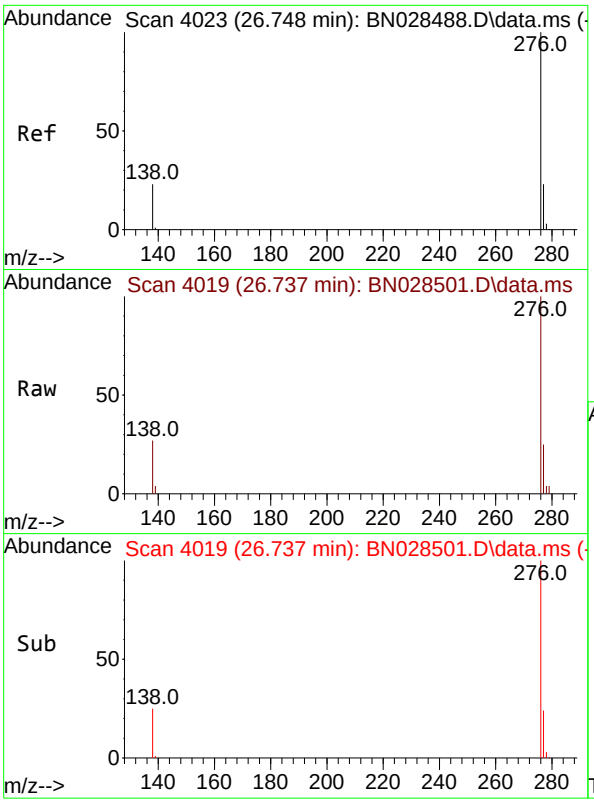


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 26.035 min Scan# 3779
Delta R.T. -0.009 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Tgt Ion:278 Resp: 32910

Ion	Ratio	Lower	Upper
278	100		
139	21.7	17.0	25.6
279	27.1	23.8	35.8





#41
Benzo(g,h,i)perylene
Concen: 0.345 ng
RT: 26.737 min Scan# 4
Delta R.T. -0.012 min
Lab File: BN028501.D
Acq: 08 Nov 2023 16:08

Instrument :
BNA_N
ClientSampleId :
PB156727BSD

Tgt Ion:276 Resp: 33709

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	27.0	20.1	30.1