Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
Data File : BN028358.D
Acq On : 23 Oct 2023 23:13
Operator : MA/JU
Sample : 05003-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Quant Time: Oct 24 03:21:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:14:08 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.886	152	2994	0.400	ng	0.00
7) Naphthalene-d8	10.714	136	9271	0.400	ng	0.01
13) Acenaphthene-d10	14.534	164	5813	0.400	ng	0.00
19) Phenanthrene-d10	17.294	188	13843	0.400	ng	# 0.00
29) Chrysene-d12	21.489	240	13504	0.400	ng	# 0.00
35) Perylene-d12	23.937	264	12784	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.437	112	537	0.058	ng	0.00
5) Phenol-d6	7.134	99	248	0.022	ng	0.08
8) Nitrobenzene-d5	9.123	82	1324	0.161	ng	0.02
11) 2-Methylnaphthalene-d10	12.298	152	3228	0.232	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	364	0.128	ng	0.00
15) 2-Fluorobiphenyl	13.165	172	3833	0.187	ng	0.00
27) Fluoranthene-d10	19.323	212	9163	0.247	ng	0.00
31) Terphenyl-d14	19.913	244	8101	0.283	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	331	0.091	ng	# 75
3) n-Nitrosodimethylamine	3.675	42	204	0.052	ng	88
6) bis(2-Chloroethyl)ether	7.344	93	958	0.109	ng	# 84
9) Naphthalene	10.767	128	2664	0.111	ng	# 91
10) Hexachlorobutadiene	10.960	225	357	0.087	ng	# 100
12) 2-Methylnaphthalene	12.377	142	1572	0.092	ng	# 95
16) Acenaphthylene	14.266	152	2394	0.092	ng	98
17) Acenaphthene	14.598	154	1668	0.101	ng	93
18) Fluorene	15.593	166	2330	0.108	ng	100
20) 4,6-Dinitro-2-methylph...	15.842	198	71	0.257	ng	# 1
21) 4-Bromophenyl-phenylether	16.487	248	671	0.094	ng	# 89
22) Hexachlorobenzene	16.562	284	731	0.100	ng	95
23) Atrazine	16.760	200	695	0.104	ng	# 85
24) Pentachlorophenol	17.008	266	448	0.134	ng	96
25) Phenanthrene	17.344	178	4273	0.113	ng	99
26) Anthracene	17.430	178	3426	0.095	ng	99
28) Fluoranthene	19.356	202	5743	0.121	ng	99
30) Pyrene	19.723	202	6009	0.130	ng	99
32) Benzo(a)anthracene	21.471	228	5279	0.110	ng	100
33) Chrysene	21.524	228	6340	0.138	ng	99
34) Bis(2-ethylhexyl)phtha...	21.336	149	4344	0.119	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.516	276	5739	0.111	ng	100
37) Benzo(b)fluoranthene	23.180	252	5661	0.142	ng	# 87
38) Benzo(k)fluoranthene	23.230	252	5549	0.137	ng	# 84
39) Benzo(a)pyrene	23.829	252	4332	0.109	ng	# 67
40) Dibenzo(a,h)anthracene	26.522	278	4761	0.114	ng	# 86
41) Benzo(g,h,i)perylene	27.314	276	4980	0.115	ng	95

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

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Instrument :
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QLast Update : Mon Oct 23 15:14:08 2023
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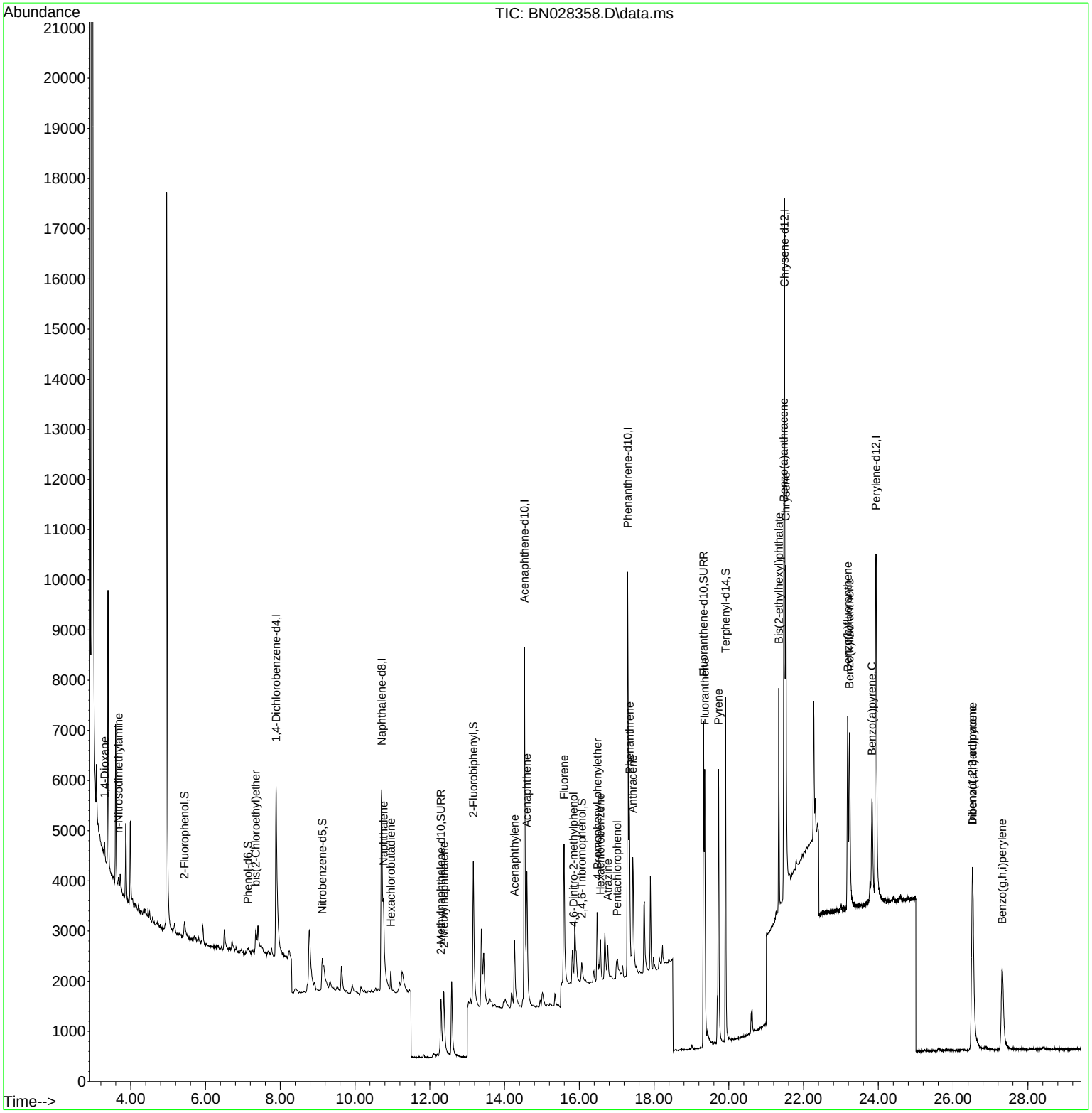
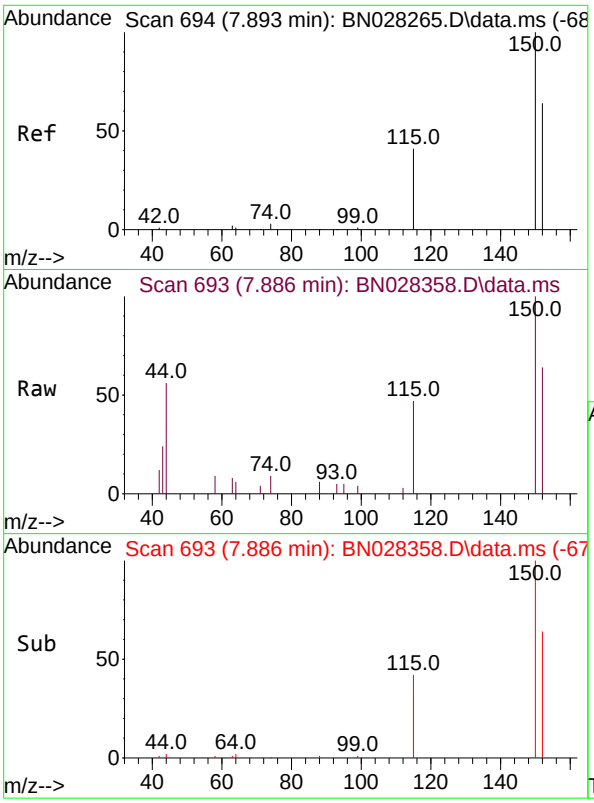


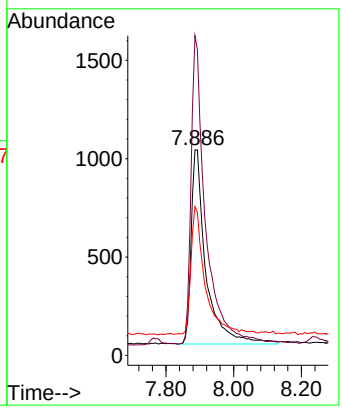


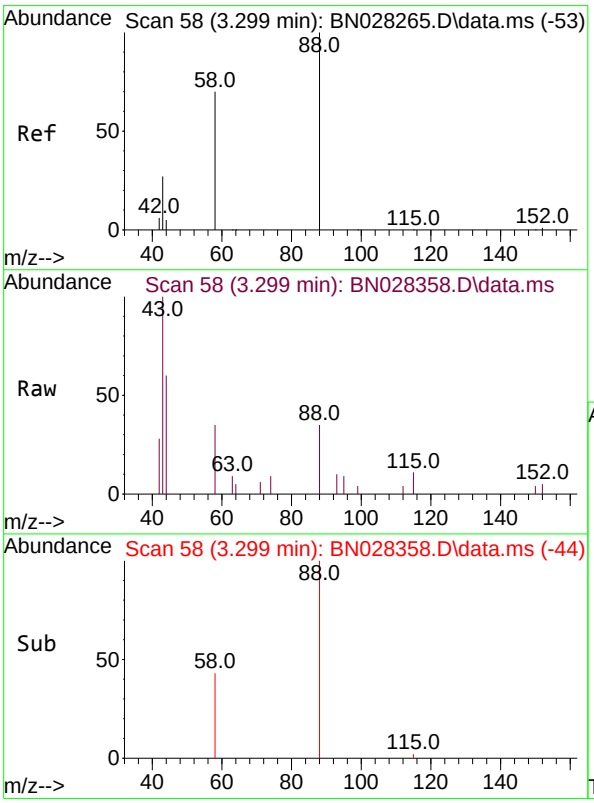
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.886 min Scan# 69
Delta R.T. 0.008 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:152 Resp: 2994

Ion	Ratio	Lower	Upper
152	100		
150	155.6	121.6	182.4
115	72.4	54.3	81.5

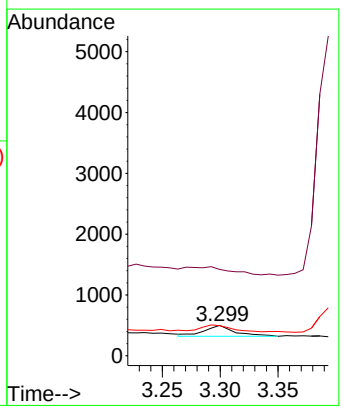


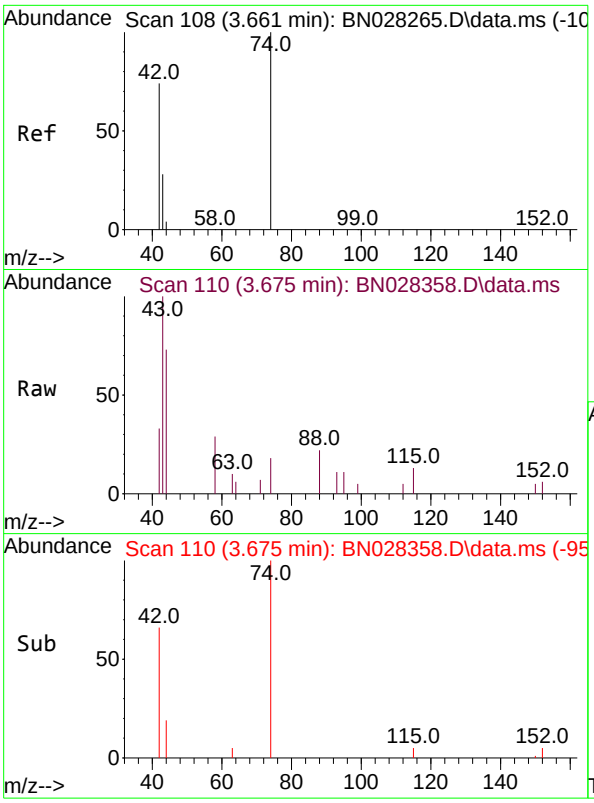


#2
1,4-Dioxane
Concen: 0.091 ng
RT: 3.299 min Scan# 58
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion: 88 Resp: 331

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	61.9	55.4	83.0



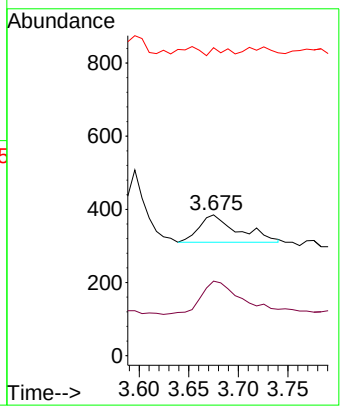


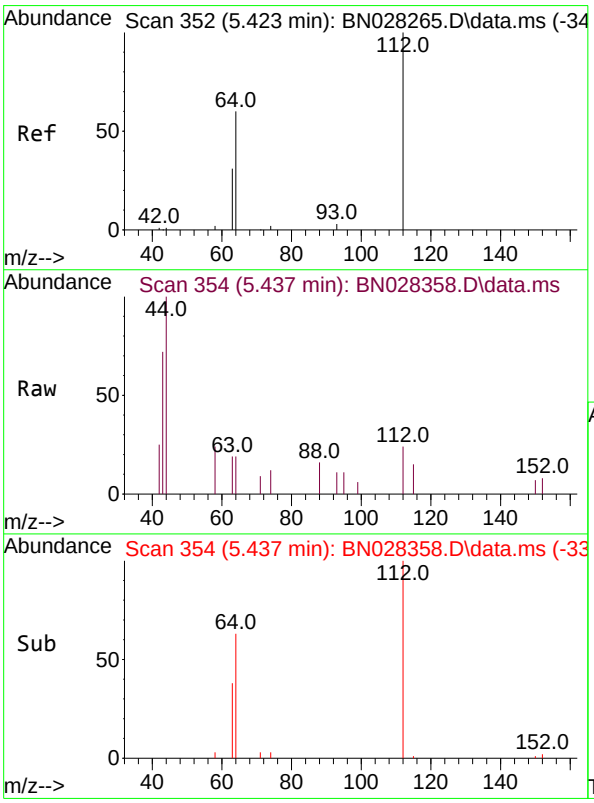
#3
n-Nitrosodimethylamine
Concen: 0.052 ng
RT: 3.675 min Scan# 11
Delta R.T. 0.007 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion: 42 Resp: 204

Ion	Ratio	Lower	Upper
42	100		
74	126.0	112.6	168.8
44	11.3	7.8	11.6

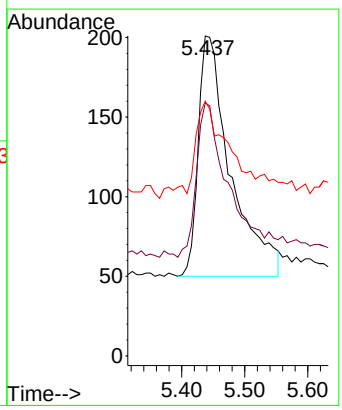


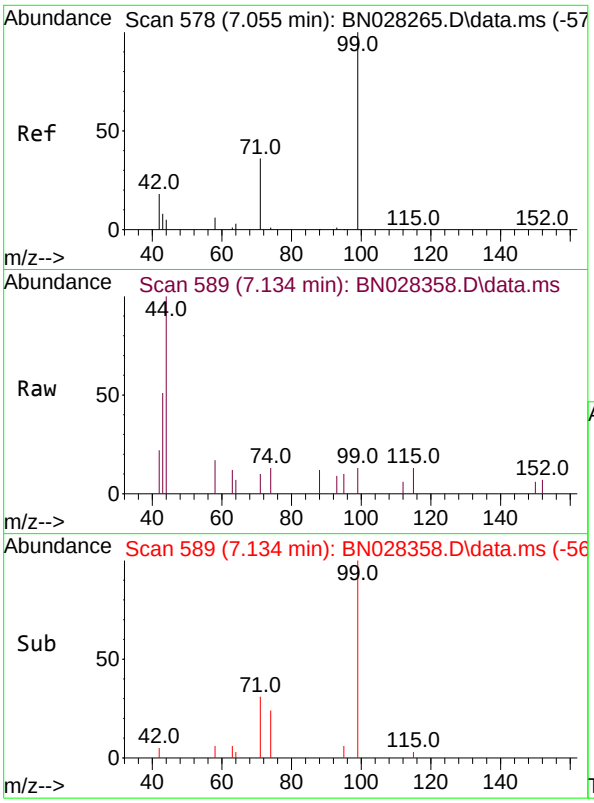


#4
2-Fluorophenol
Concen: 0.058 ng
RT: 5.437 min Scan# 354
Delta R.T. 0.007 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:112 Resp: 537

Ion	Ratio	Lower	Upper
112	100		
64	65.7	46.9	70.3
63	40.8	25.0	37.4#



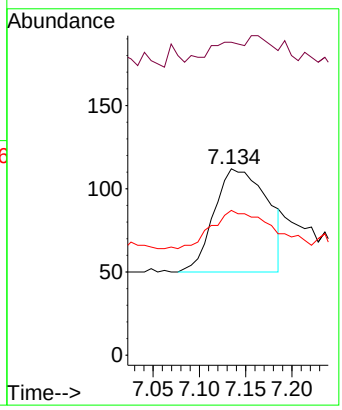


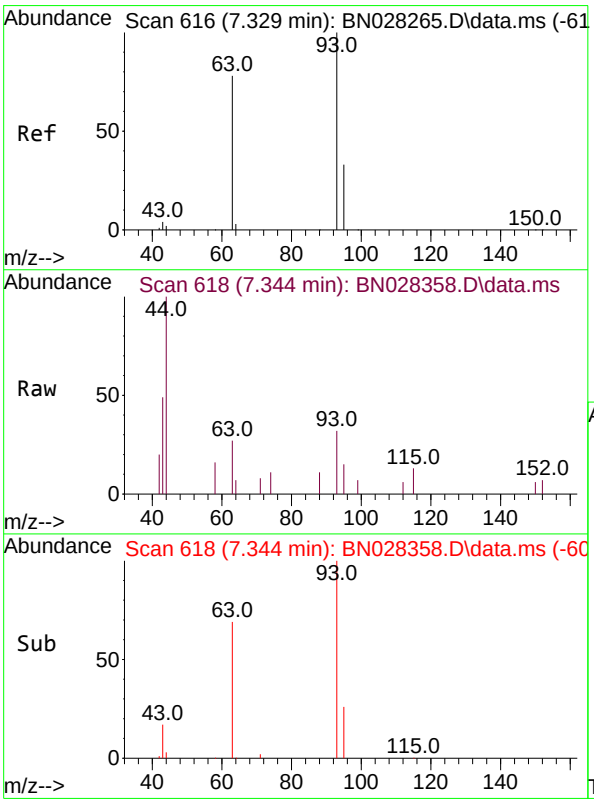
#5
Phenol-d6
Concen: 0.022 ng
RT: 7.134 min Scan# 58
Delta R.T. 0.080 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion: 99 Resp: 248

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.9	23.9#
71	36.7	28.6	42.8

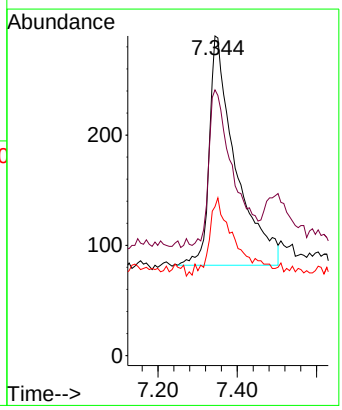


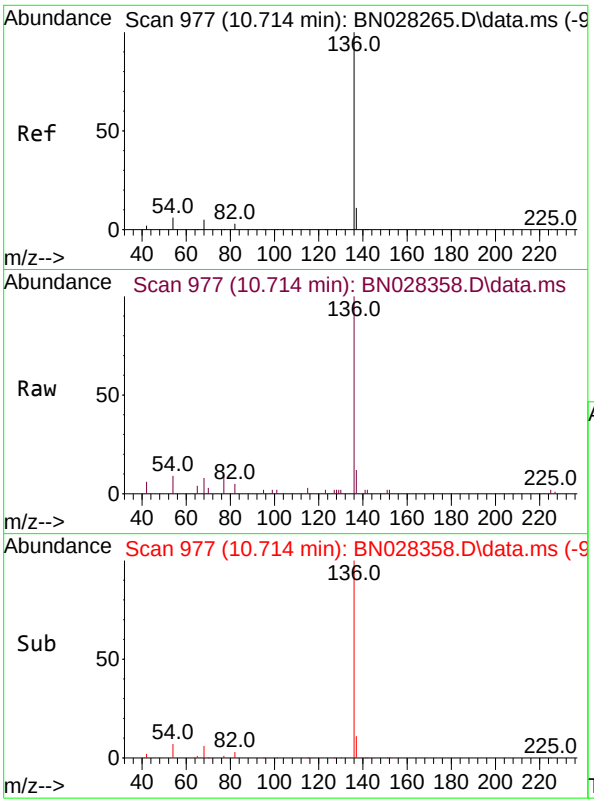


#6
bis(2-Chloroethyl)ether
Concen: 0.109 ng
RT: 7.344 min Scan# 618
Delta R.T. 0.022 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion: 93 Resp: 958

Ion	Ratio	Lower	Upper
93	100		
63	61.6	62.6	93.8#
95	29.1	27.2	40.8



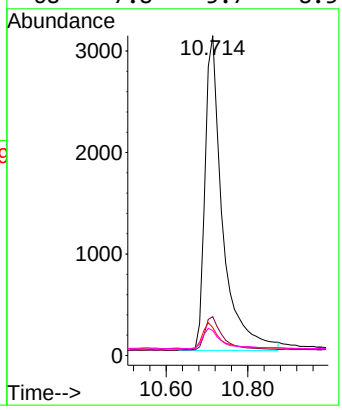


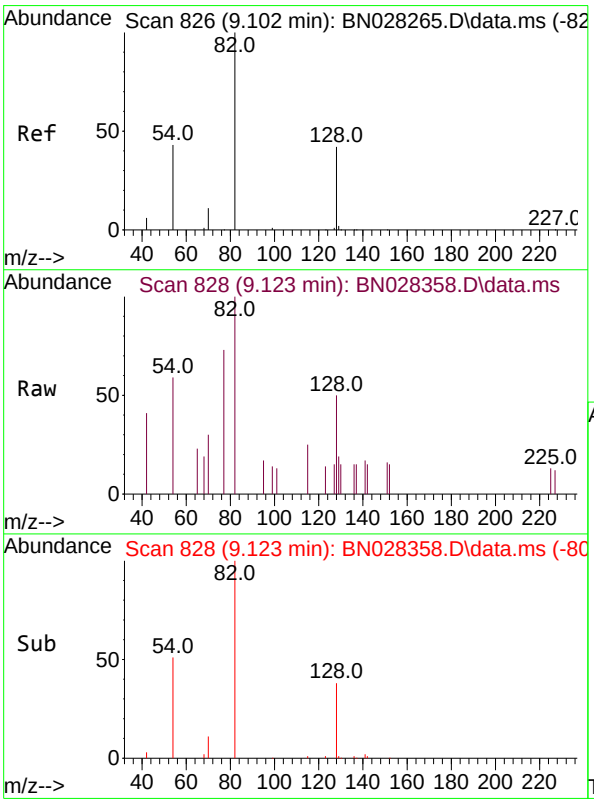
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.714 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:136 Resp: 9271

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	8.8	6.2	9.4
68	7.8	5.7	8.5

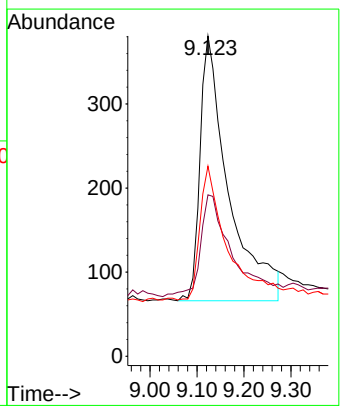


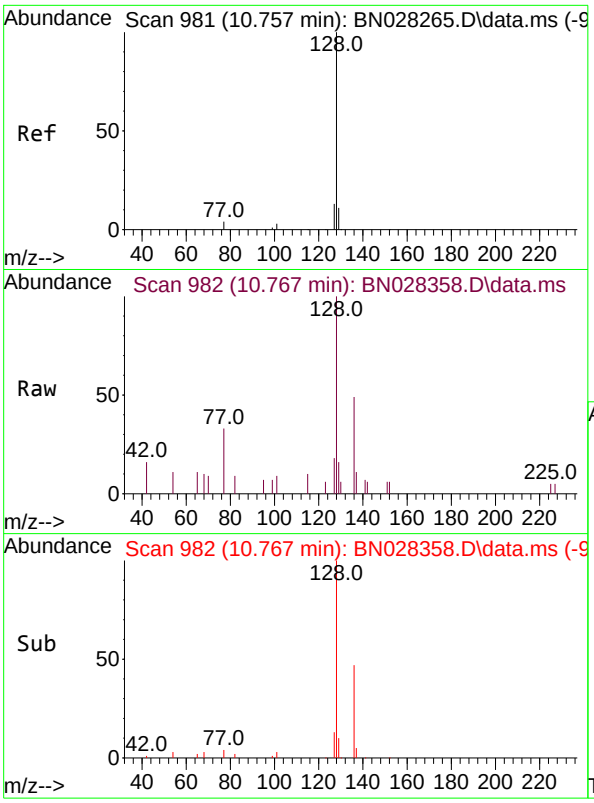


#8
Nitrobenzene-d5
Concen: 0.161 ng
RT: 9.123 min Scan# 828
Delta R.T. 0.022 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion: 82 Resp: 1324

Ion	Ratio	Lower	Upper
82	100		
128	50.4	36.8	55.2
54	59.3	37.4	56.2#



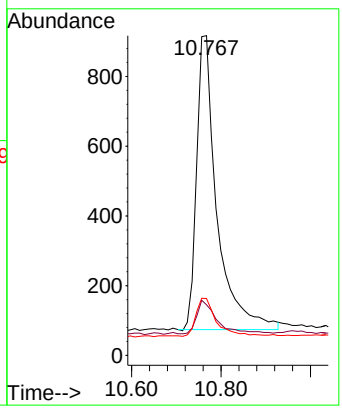


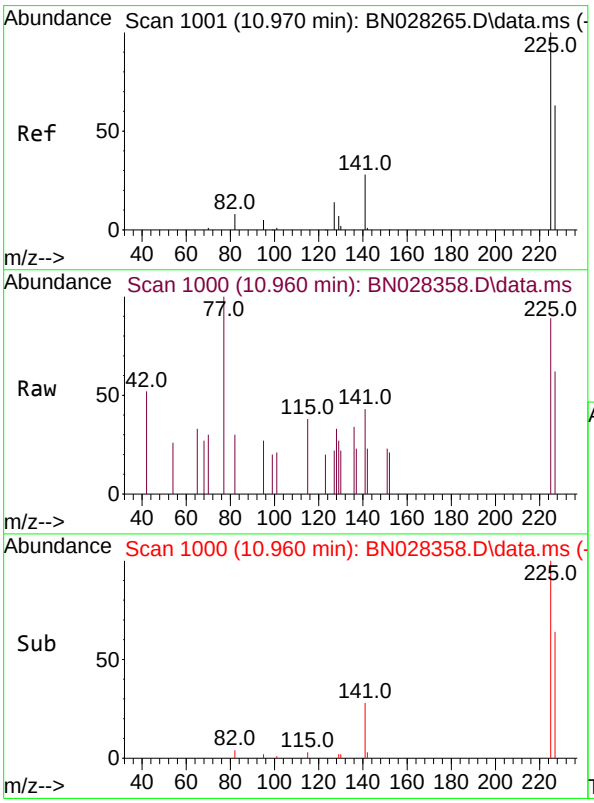
#9
Naphthalene
Concen: 0.111 ng
RT: 10.767 min Scan# 98
Delta R.T. 0.011 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:128 Resp: 2664

Ion	Ratio	Lower	Upper
128	100		
129	15.8	9.8	14.6#
127	17.8	11.4	17.0#

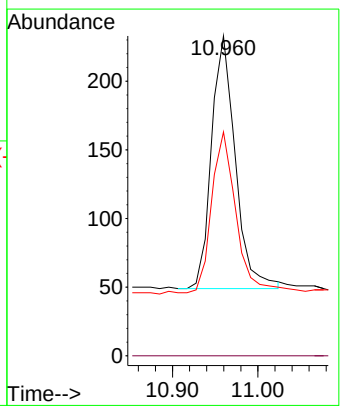


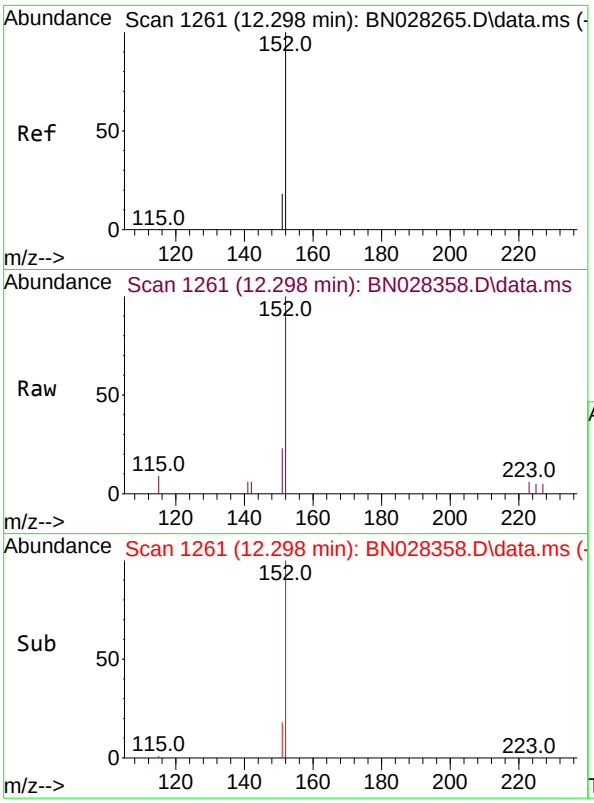


#10
Hexachlorobutadiene
Concen: 0.087 ng
RT: 10.960 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:225 Resp: 357

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.6	77.4



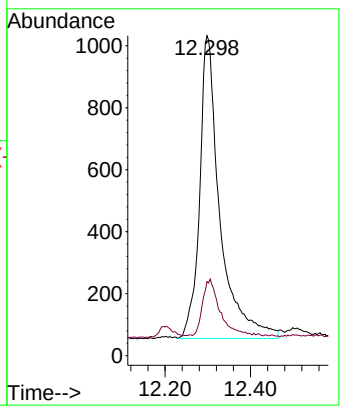


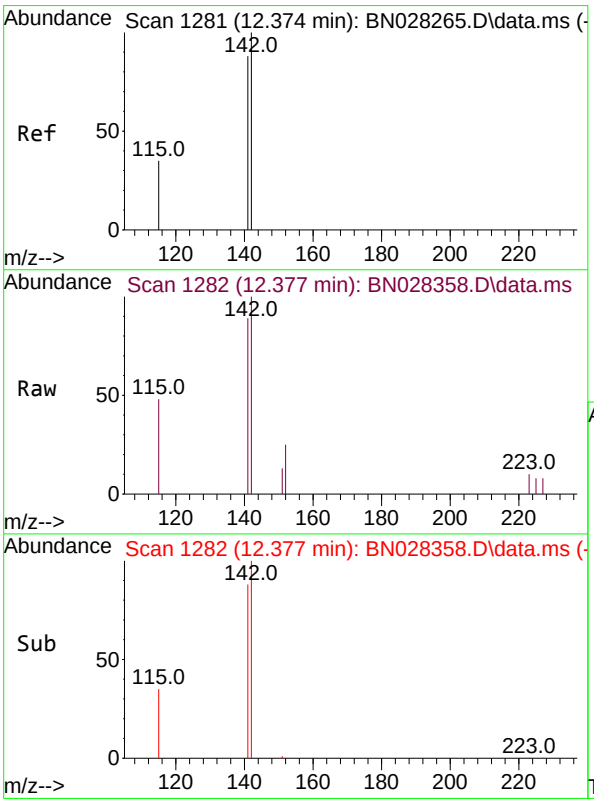
#11
2-Methylnaphthalene-d10
Concen: 0.232 ng
RT: 12.298 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:152 Resp: 3228

Ion	Ratio	Lower	Upper
152	100		
151	15.5	16.1	24.1#

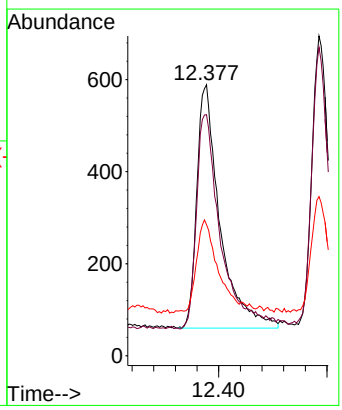


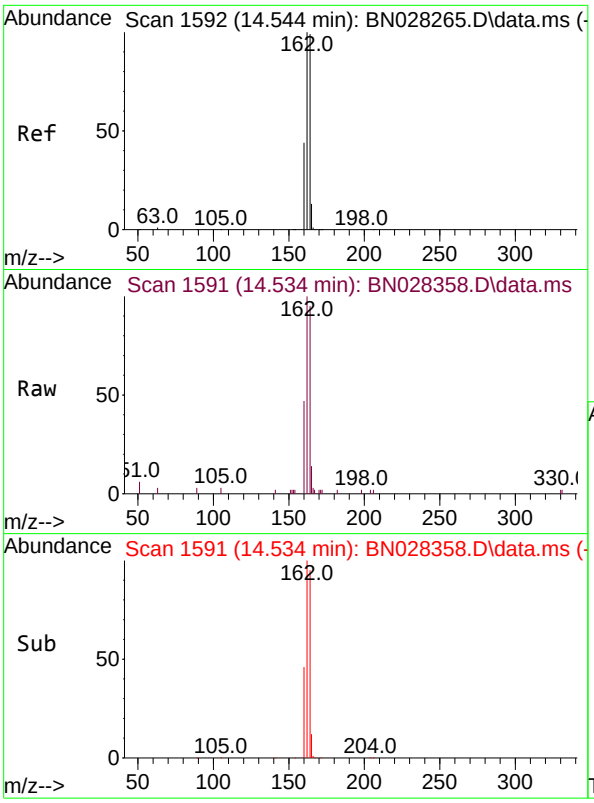


#12
2-Methylnaphthalene
Concen: 0.092 ng
RT: 12.377 min Scan# 1282
Delta R.T. 0.008 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:142 Resp: 1572

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7
115	48.4	29.9	44.9#



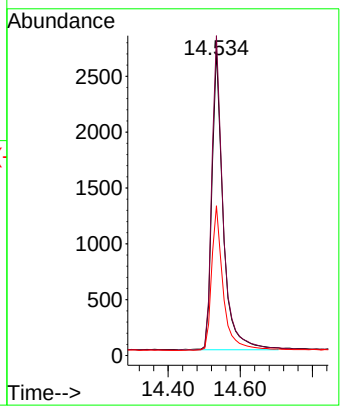


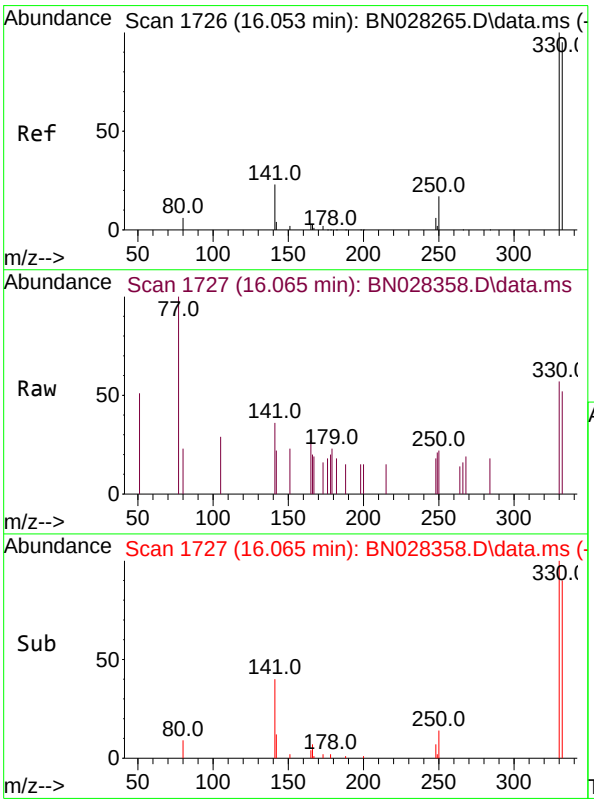
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:164 Resp: 5813

Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.1	121.7
160	49.1	36.6	54.8

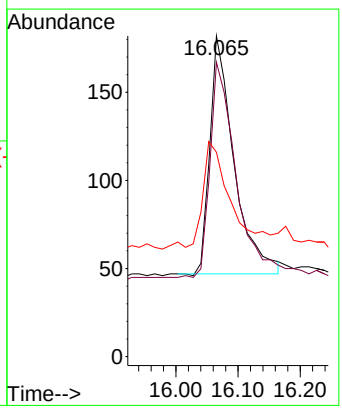


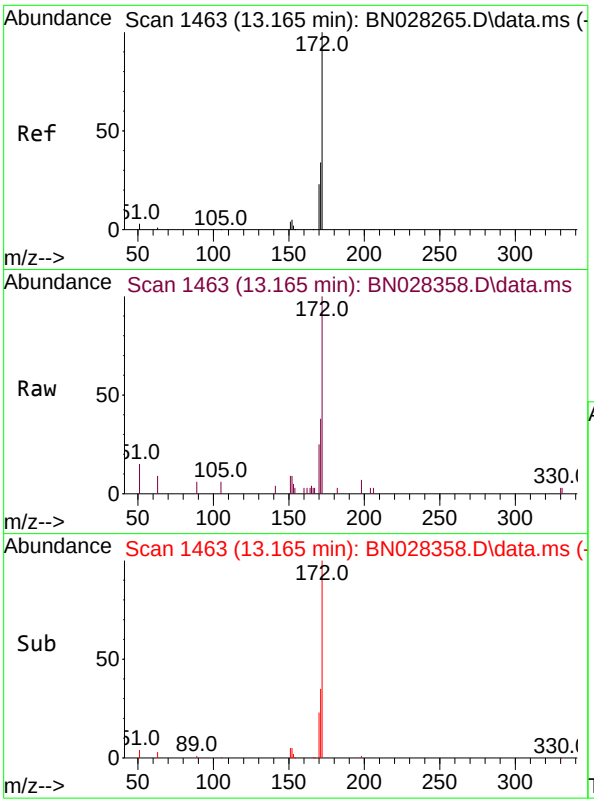


#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 16.065 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:330 Resp: 364

Ion	Ratio	Lower	Upper
330	100		
332	97.3	74.1	111.1
141	47.8	32.1	48.1



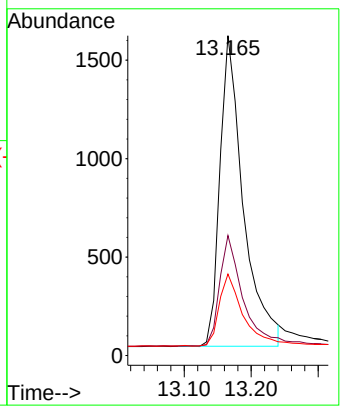


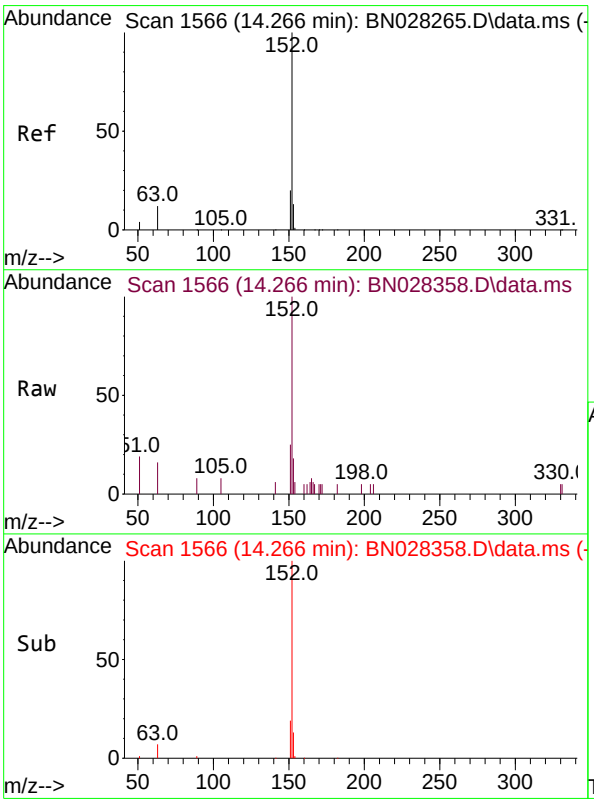
#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 13.165 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:172 Resp: 3833

Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.3	42.5
170	25.5	18.7	28.1

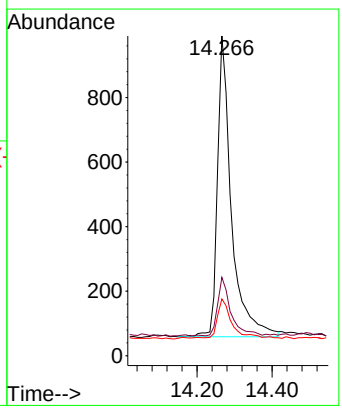


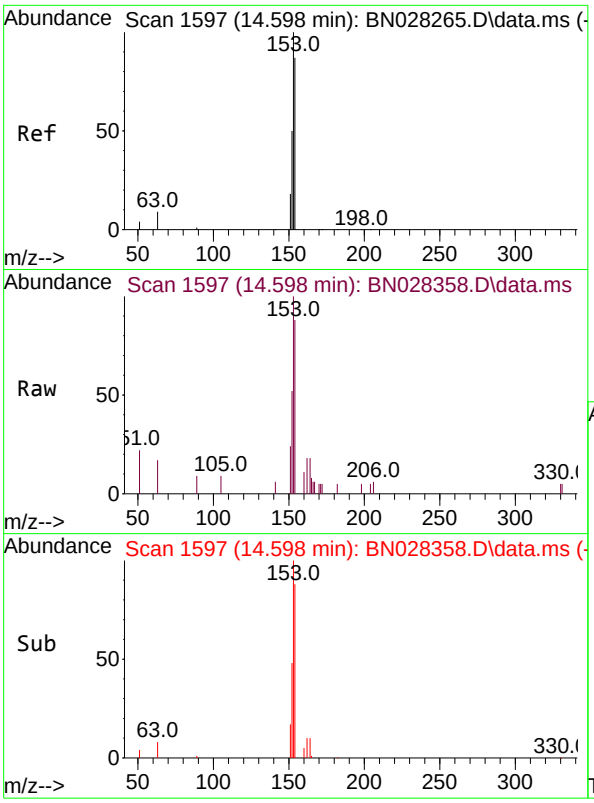


#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.266 min Scan# 1566
Delta R.T. 0.011 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:152 Resp: 2394

Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.6	23.4
153	12.8	10.6	16.0



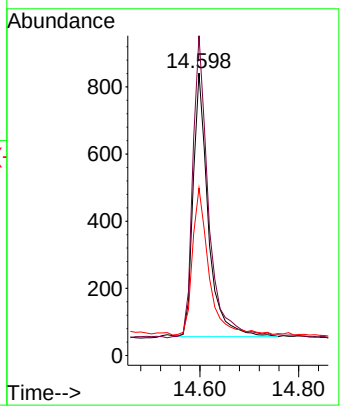


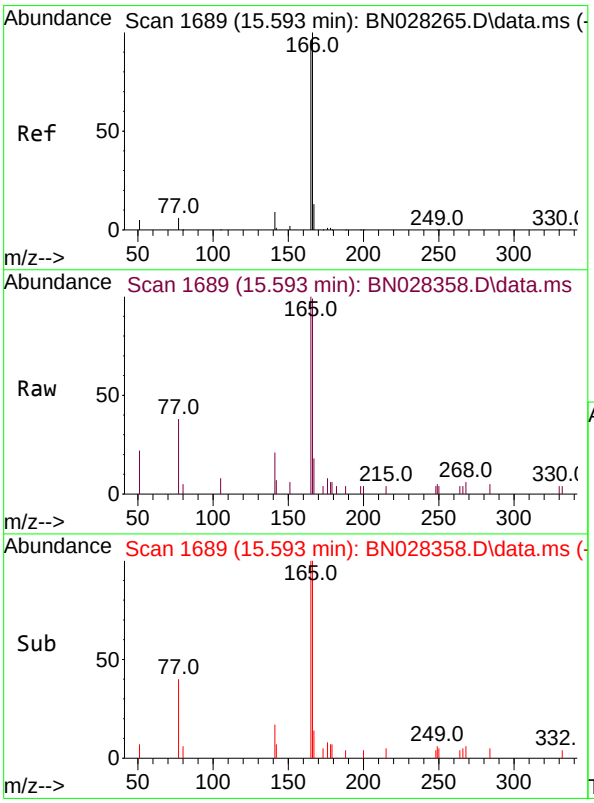
#17
Acenaphthene
Concen: 0.101 ng
RT: 14.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:154 Resp: 1668

Ion	Ratio	Lower	Upper
154	100		
153	120.0	90.7	136.1
152	60.6	43.6	65.4

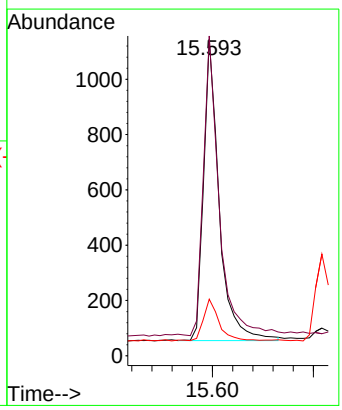


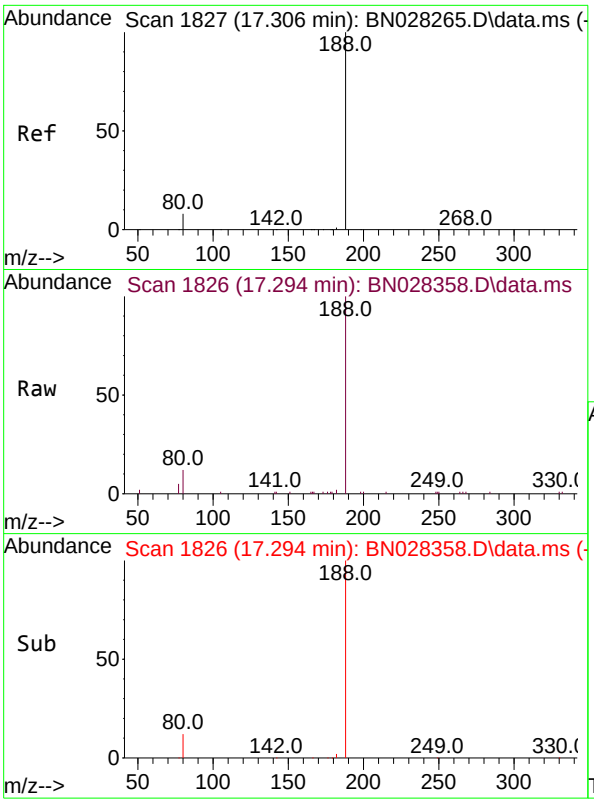


#18
Fluorene
Concen: 0.108 ng
RT: 15.593 min Scan# 1689
Delta R.T. 0.013 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:166 Resp: 2330

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.3	118.9
167	13.4	10.9	16.3



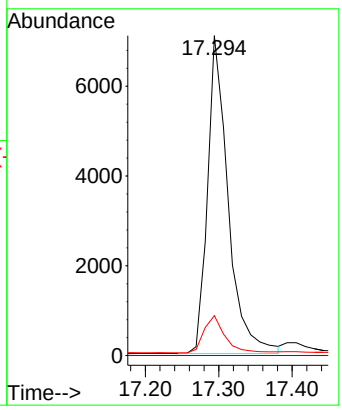


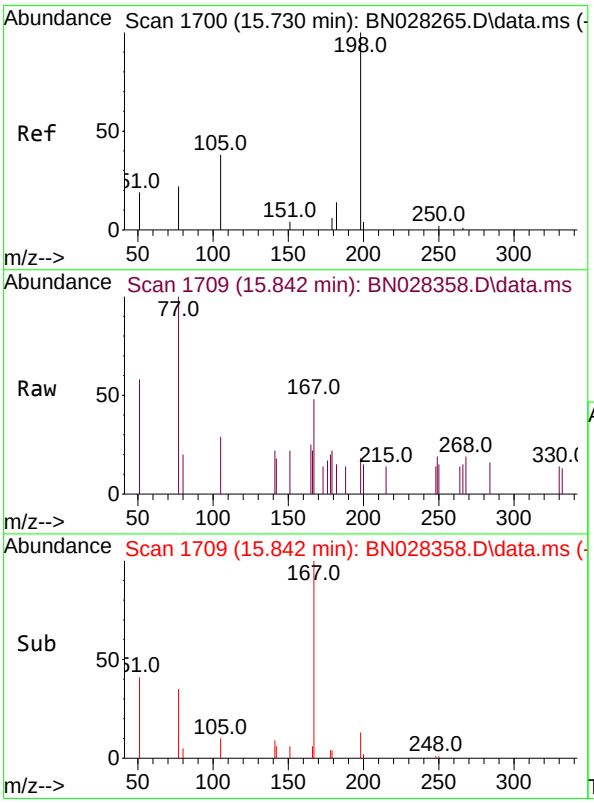
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.294 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:188 Resp: 13843

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	7.1	10.7#

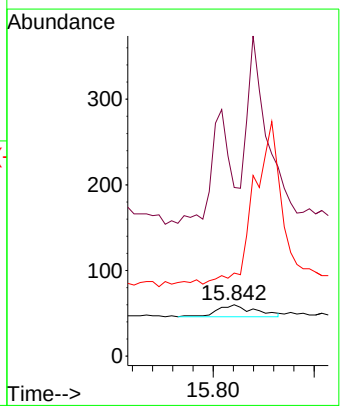


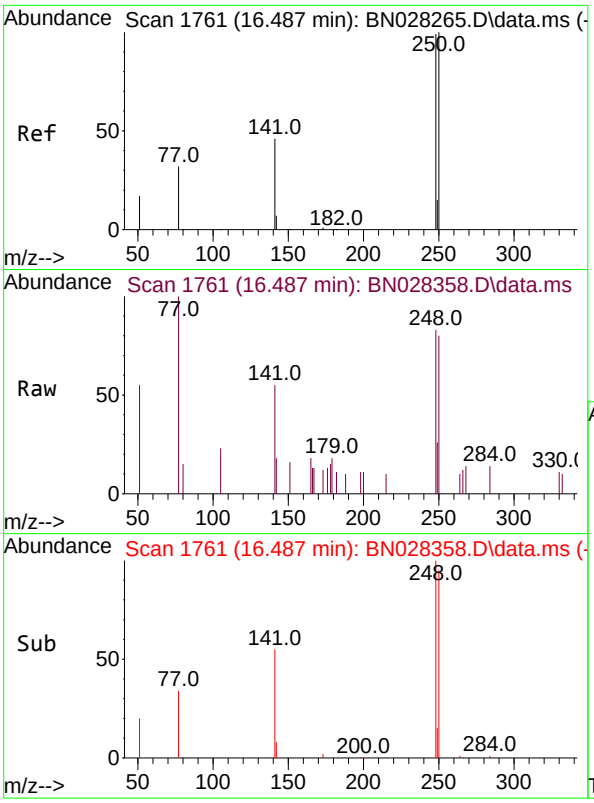


#20
4,6-Dinitro-2-methylphenol
Concen: 0.257 ng
RT: 15.842 min Scan# 1709
Delta R.T. 0.037 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:198 Resp: 71

Ion	Ratio	Lower	Upper
198	100		
51	328.3	96.1	144.1#
105	161.7	75.4	113.0#



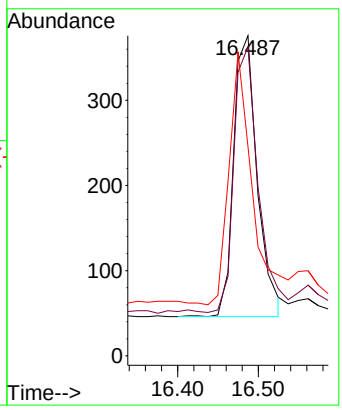


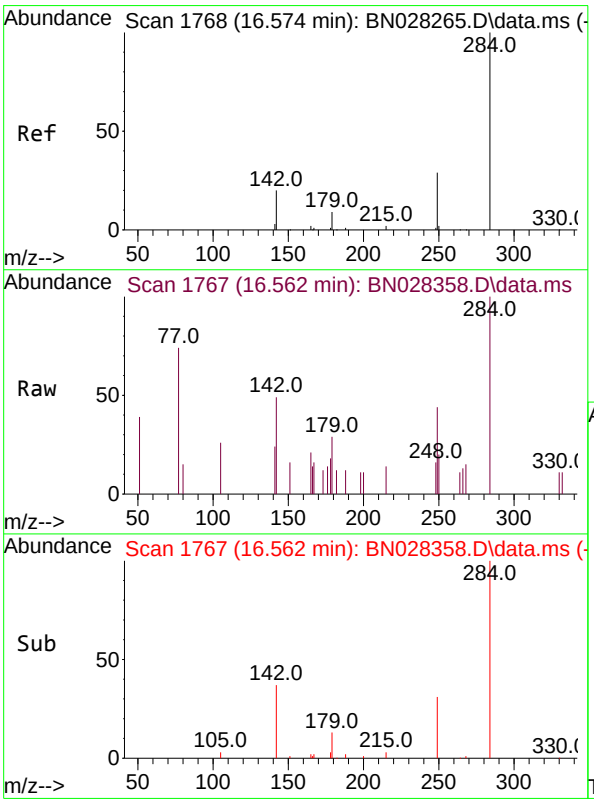
#21
4-Bromophenyl-phenylether
Concen: 0.094 ng
RT: 16.487 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:248 Resp: 671

Ion	Ratio	Lower	Upper
248	100		
250	96.5	80.5	120.7
141	65.4	38.9	58.3#

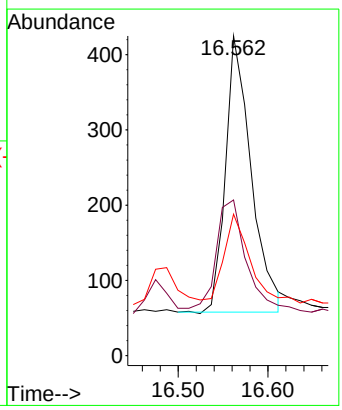


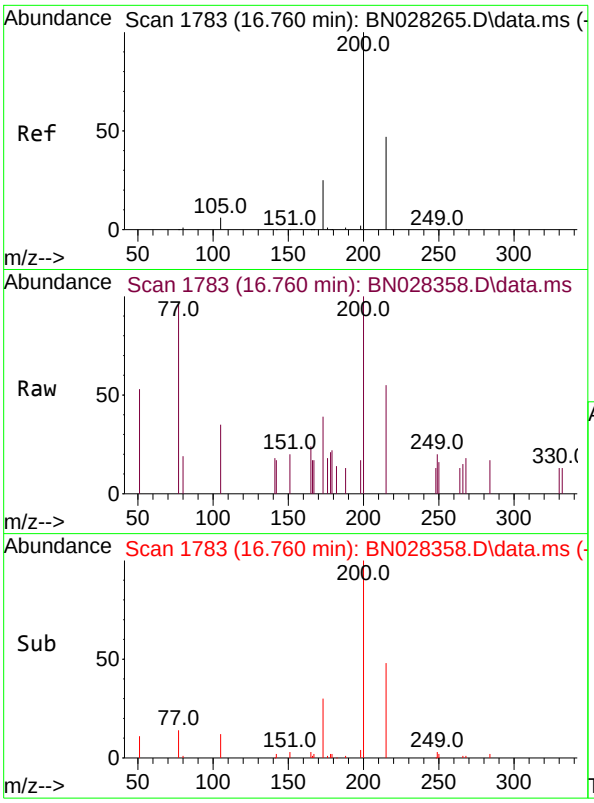


#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.562 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:284 Resp: 731

Ion	Ratio	Lower	Upper
284	100		
142	43.2	32.1	48.1
249	29.1	25.5	38.3



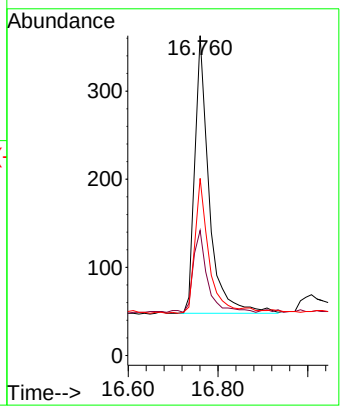


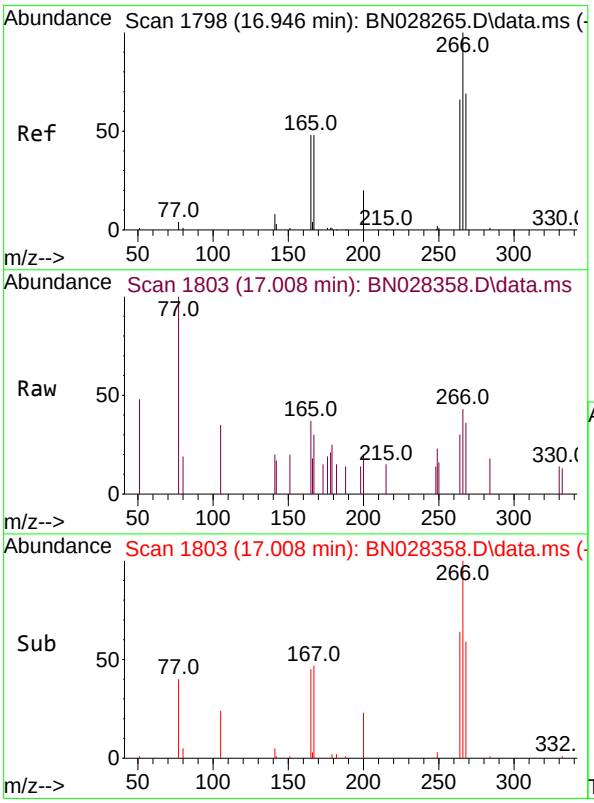
#23
Atrazine
Concen: 0.104 ng
RT: 16.760 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:200 Resp: 695

Ion	Ratio	Lower	Upper
200	100		
173	39.1	21.6	32.4#
215	55.4	39.0	58.6

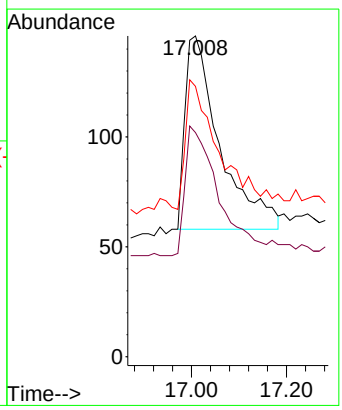


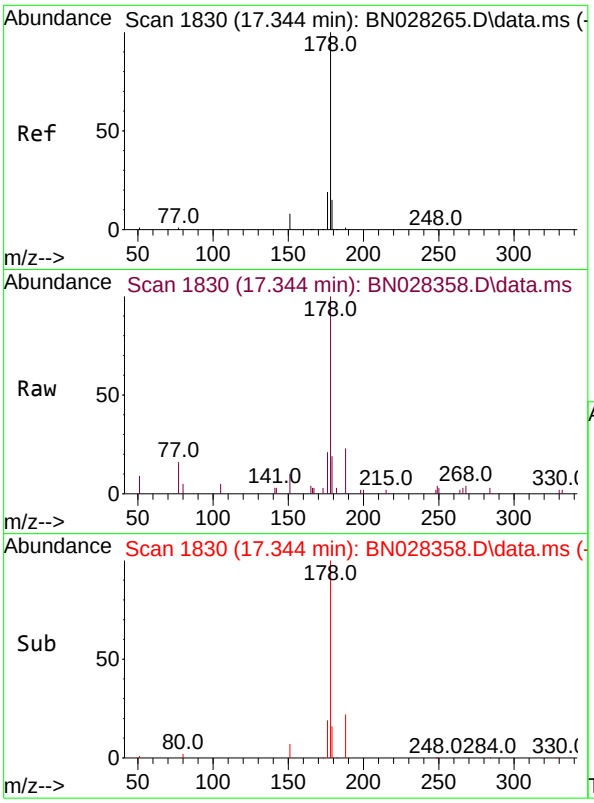


#24
Pentachlorophenol
Concen: 0.134 ng
RT: 17.008 min Scan# 1803
Delta R.T. -0.025 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:266 Resp: 448

Ion	Ratio	Lower	Upper
266	100		
264	64.7	51.5	77.3
268	65.2	56.6	84.8



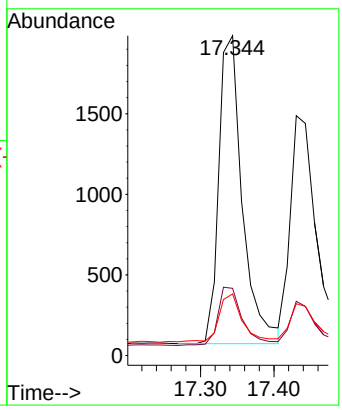


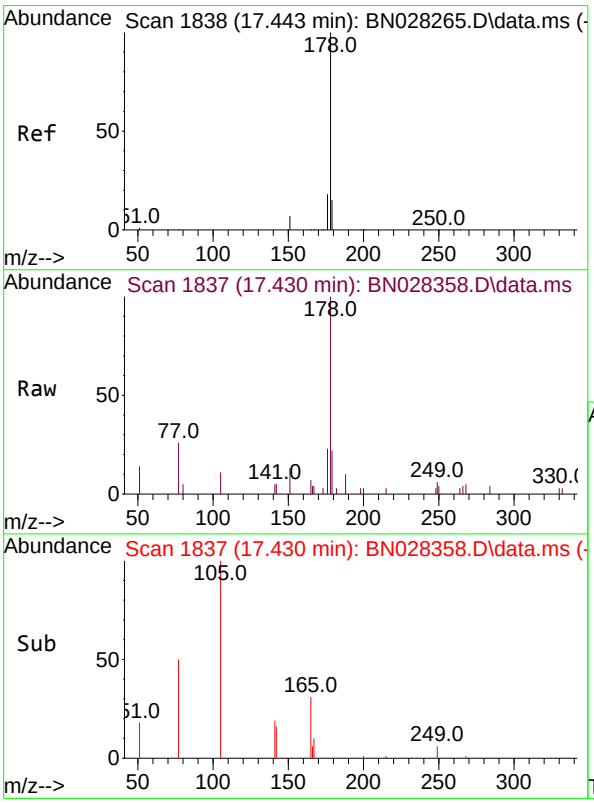
#25
Phenanthrene
Concen: 0.113 ng
RT: 17.344 min Scan# 18
Delta R.T. 0.013 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:178 Resp: 4273

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	15.8	12.5	18.7

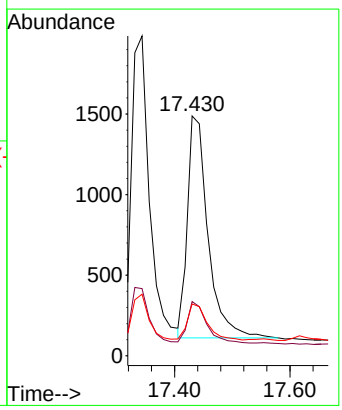


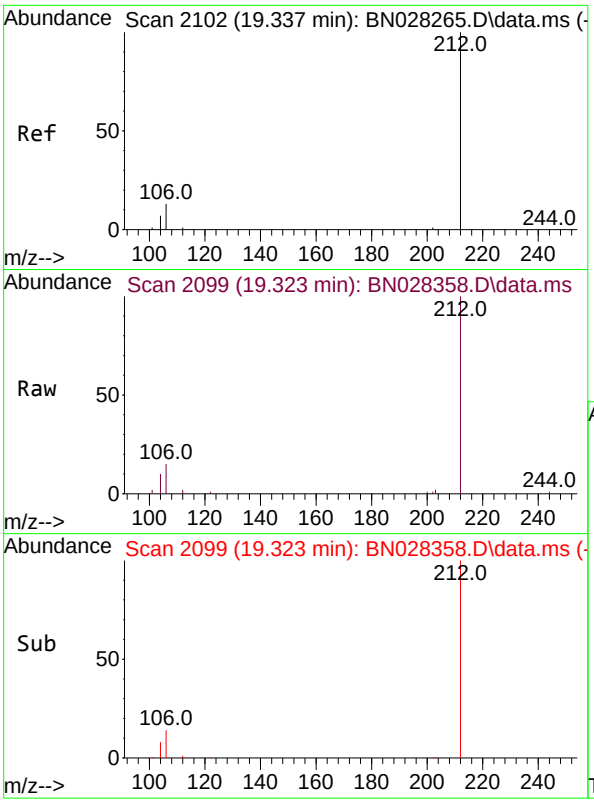


#26
Anthracene
Concen: 0.095 ng
RT: 17.430 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:178 Resp: 3426

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	15.5	12.2	18.4



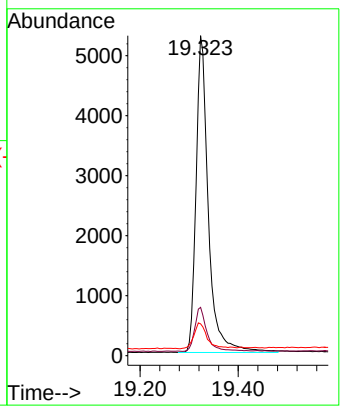


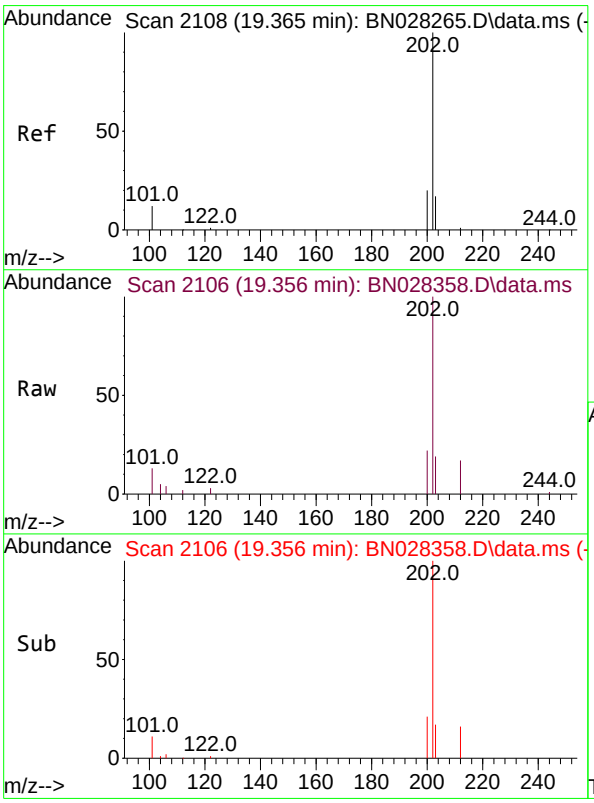
#27
Fluoranthene-d10
Concen: 0.247 ng
RT: 19.323 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:212 Resp: 9163

Ion	Ratio	Lower	Upper
212	100		
106	13.9	11.5	17.3
104	8.7	6.7	10.1

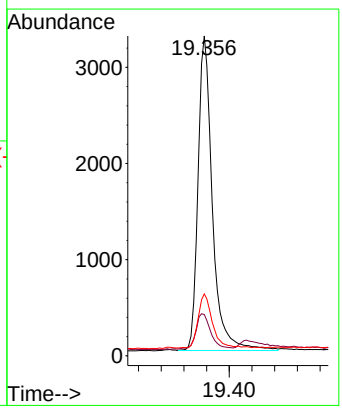


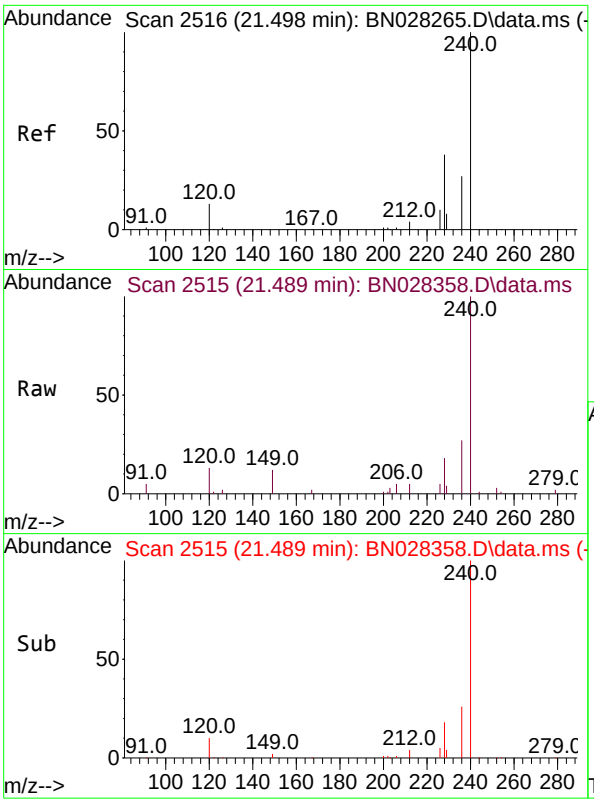


#28
Fluoranthene
Concen: 0.121 ng
RT: 19.356 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:202 Resp: 5743

Ion	Ratio	Lower	Upper
202	100		
101	11.8	10.1	15.1
203	17.4	13.9	20.9



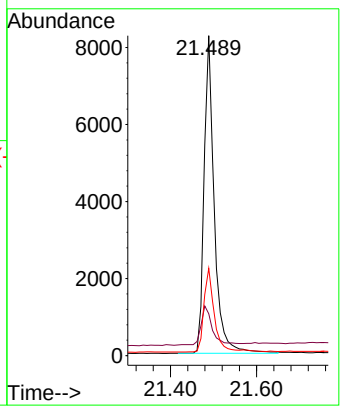


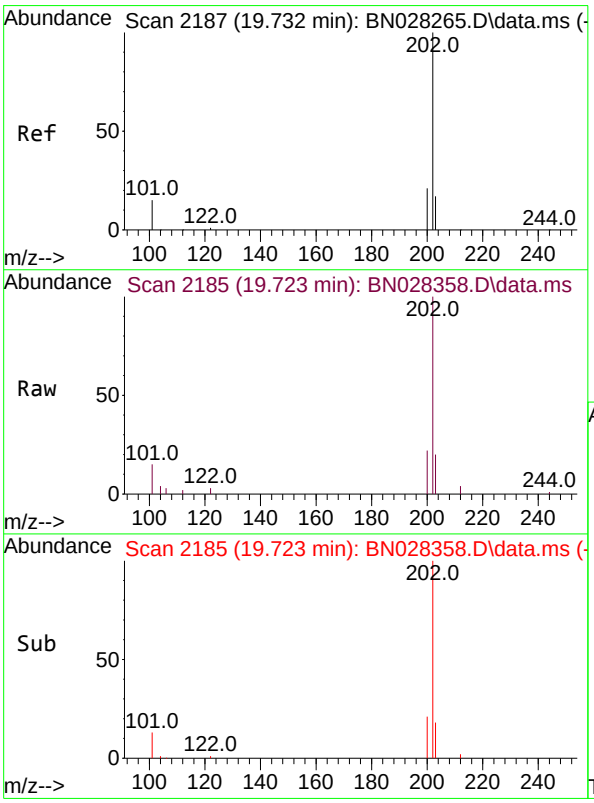
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.489 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:240 Resp: 13504

Ion	Ratio	Lower	Upper
240	100		
120	13.1	13.4	20.0#
236	27.3	22.7	34.1

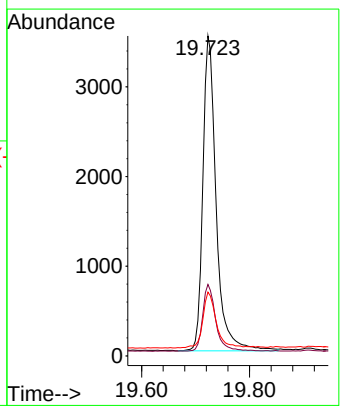


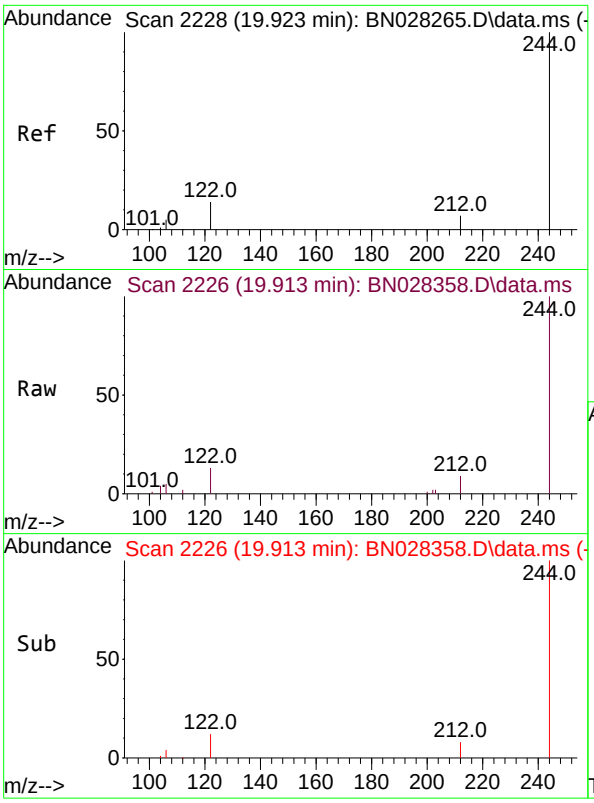


#30
Pyrene
Concen: 0.130 ng
RT: 19.723 min Scan# 2185
Delta R.T. -0.004 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:202 Resp: 6009

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	18.1	14.5	21.7



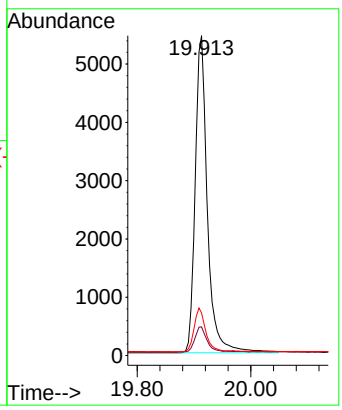


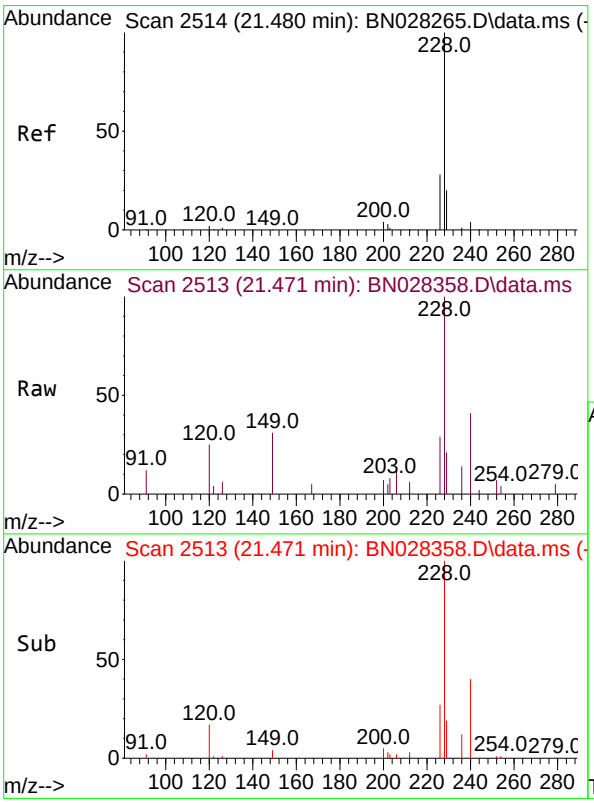
#31
Terphenyl-d14
Concen: 0.283 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:244 Resp: 8101

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.6	10.0
122	13.3	11.7	17.5

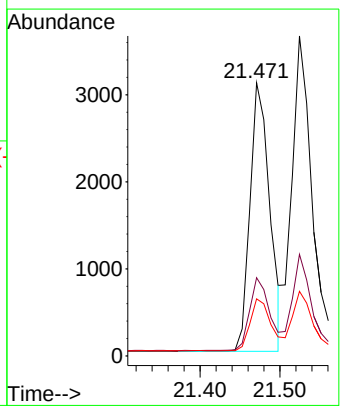


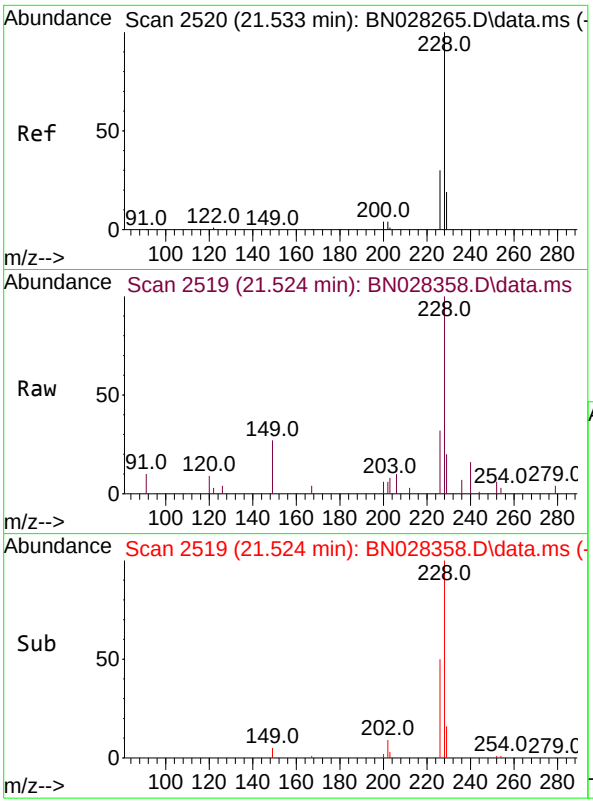


#32
Benzo(a)anthracene
Concen: 0.110 ng
RT: 21.471 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:228 Resp: 5279

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.9	34.3
229	20.9	16.6	24.8



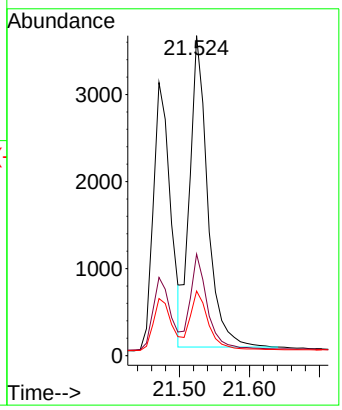


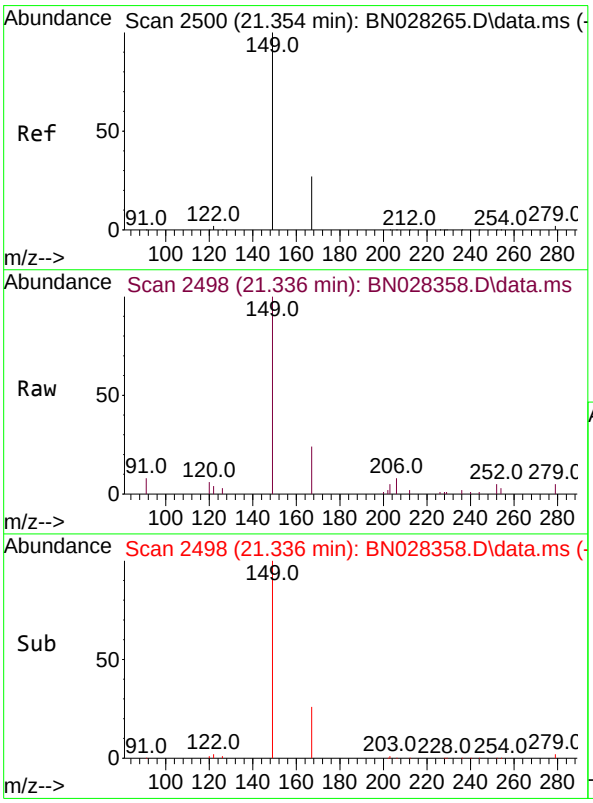
#33
Chrysene
Concen: 0.138 ng
RT: 21.524 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:228 Resp: 6340

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.2	37.8
229	20.2	16.6	25.0

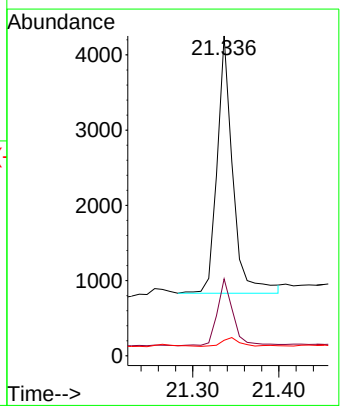


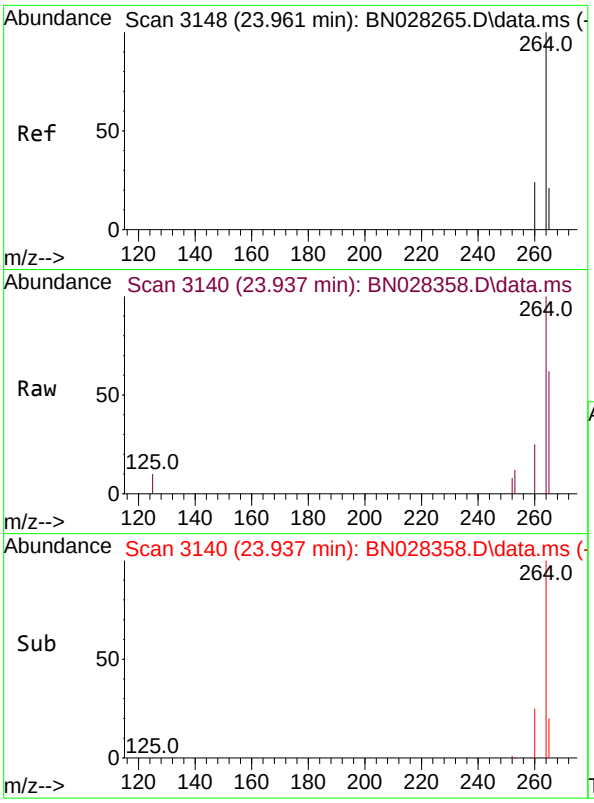


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng
RT: 21.336 min Scan# 2498
Delta R.T. -0.009 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:149 Resp: 4344

Ion	Ratio	Lower	Upper
149	100		
167	26.0	22.6	34.0
279	3.7	4.2	6.2#



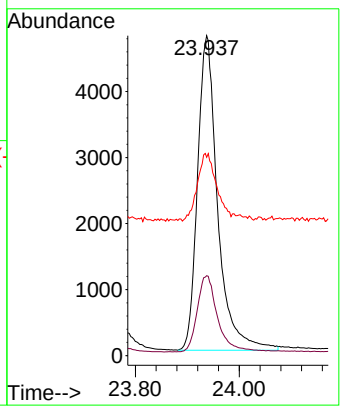


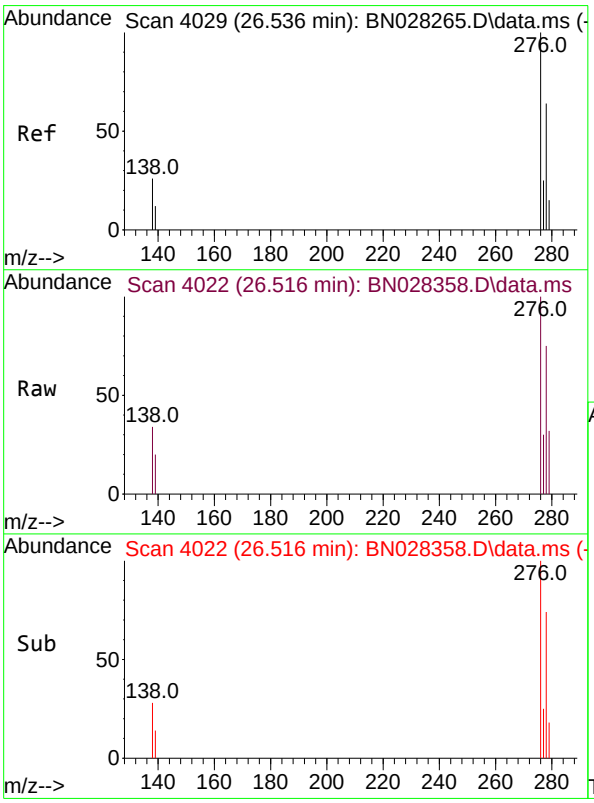
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.937 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:264 Resp: 12784

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.7	31.1
265	62.0	38.3	57.5#

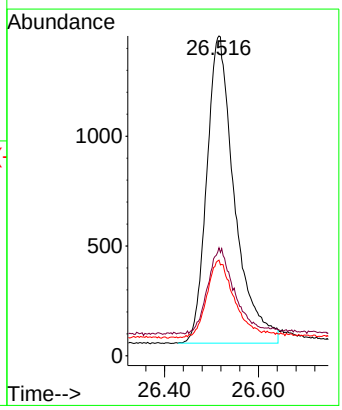


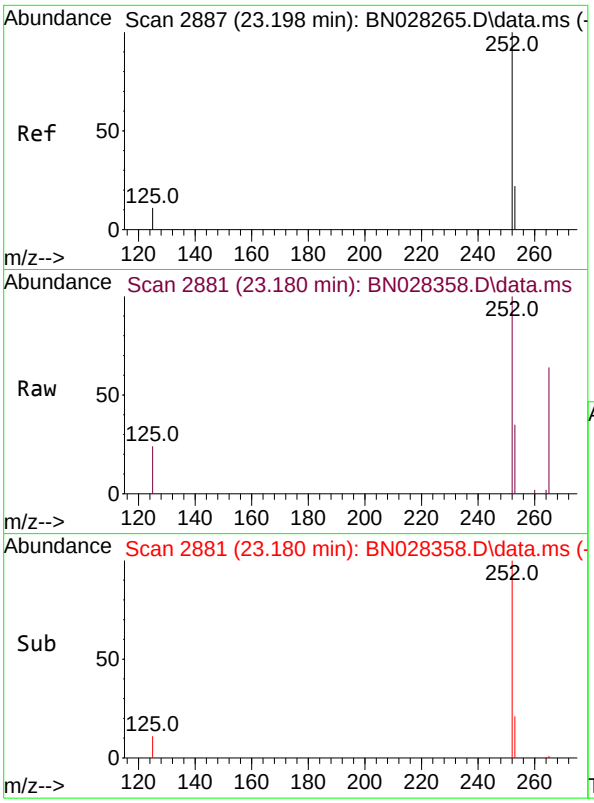


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.111 ng
RT: 26.516 min Scan# 4022
Delta R.T. 0.012 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:276 Resp: 5739

Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.3	31.9
277	24.6	20.0	30.0



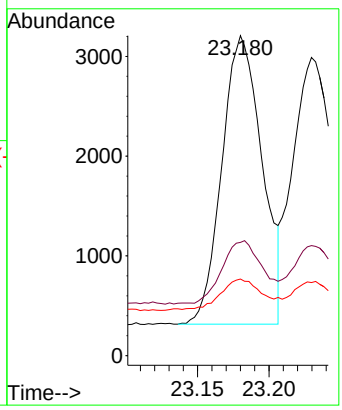


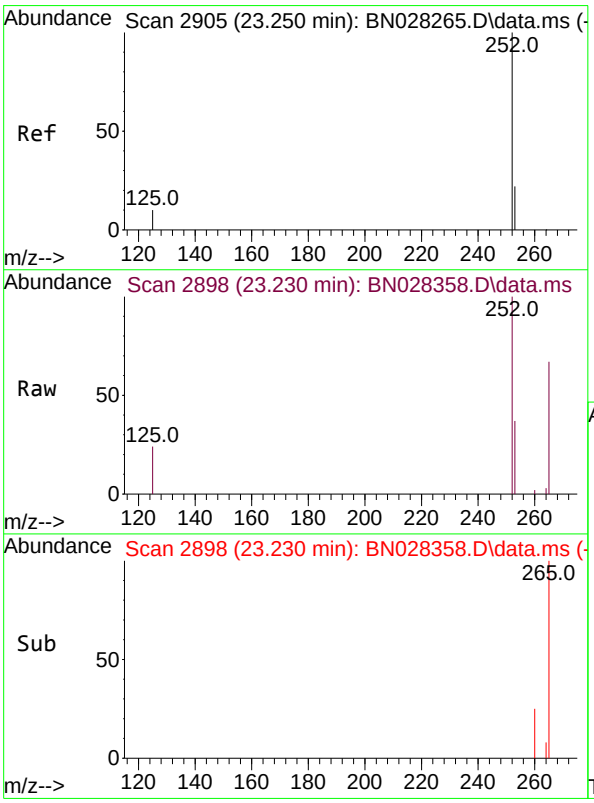
#37
Benzo(b)fluoranthene
Concen: 0.142 ng
RT: 23.180 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:252 Resp: 5661

Ion	Ratio	Lower	Upper
252	100		
253	35.4	21.8	32.8#
125	23.9	15.6	23.4#

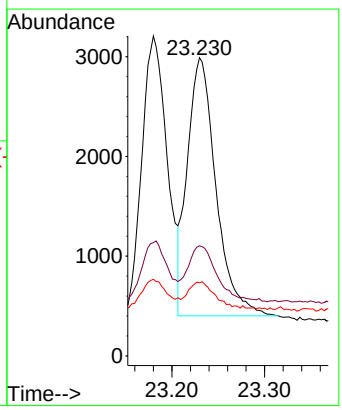


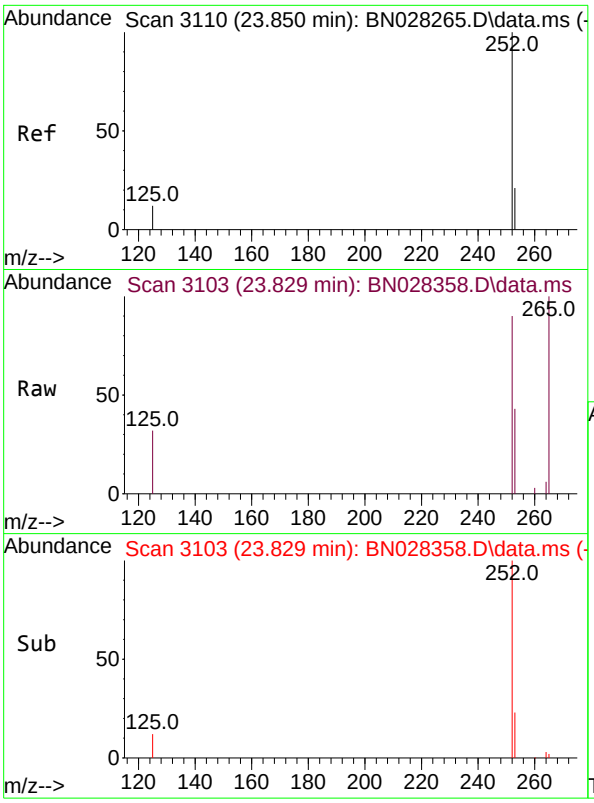


#38
Benzo(k)fluoranthene
Concen: 0.137 ng
RT: 23.230 min Scan# 2898
Delta R.T. 0.003 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:252 Resp: 5549

Ion	Ratio	Lower	Upper
252	100		
253	36.9	22.0	33.0#
125	24.5	15.3	22.9#



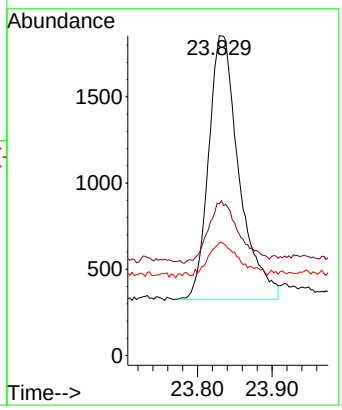


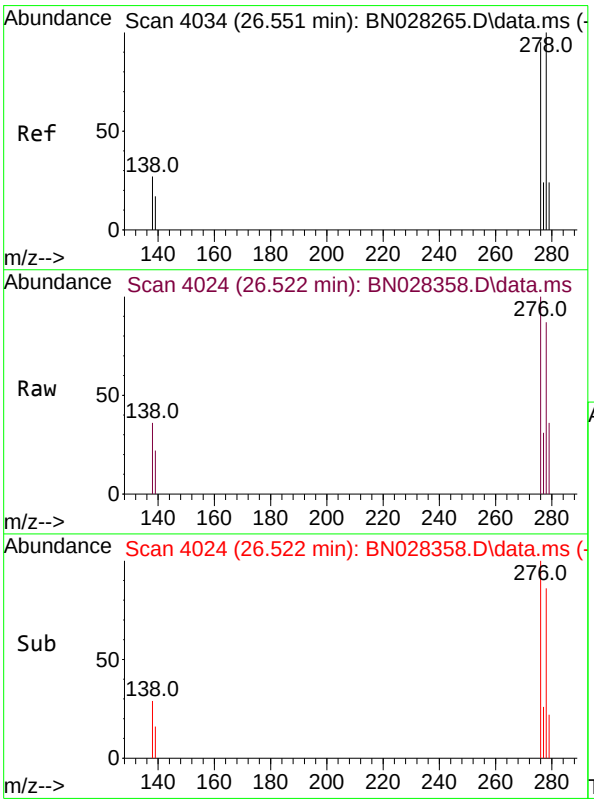
#39
Benzo(a)pyrene
Concen: 0.109 ng
RT: 23.829 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:252 Resp: 4332

Ion	Ratio	Lower	Upper
252	100		
253	47.4	22.7	34.1#
125	35.3	17.0	25.6#

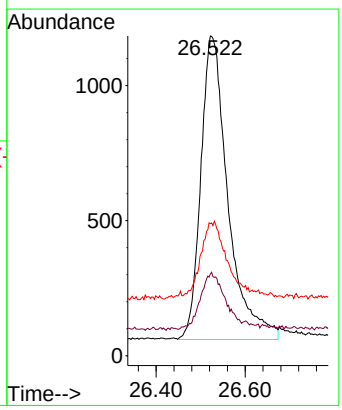


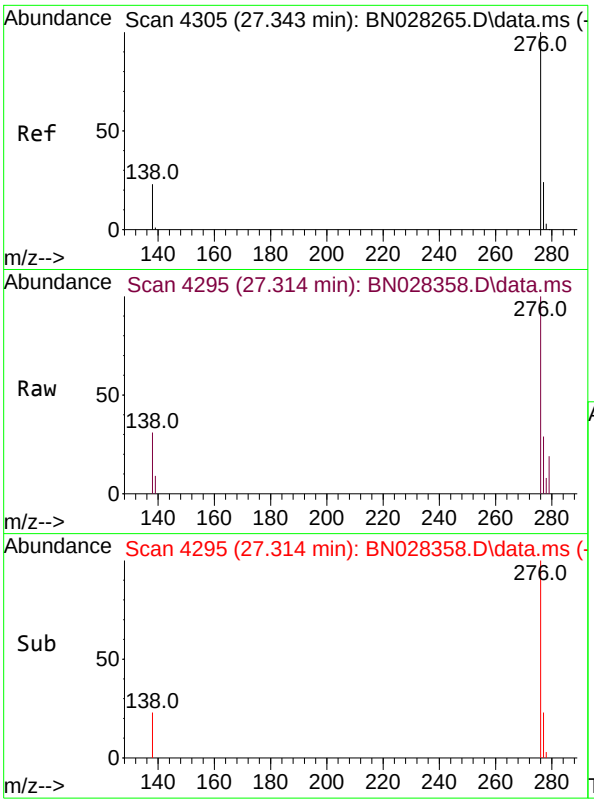


#40
Dibenzo(a,h)anthracene
Concen: 0.114 ng
RT: 26.522 min Scan# 4024
Delta R.T. 0.003 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Tgt Ion:278 Resp: 4761

Ion	Ratio	Lower	Upper
278	100		
139	25.6	18.8	28.2
279	41.3	23.5	35.3#





#41
Benzo(g,h,i)perylene
Concen: 0.115 ng
RT: 27.314 min Scan# 4
Delta R.T. 0.009 min
Lab File: BN028358.D
Acq: 23 Oct 2023 23:13

Instrument :
BNA_N
ClientSampleId :
EB-01-102023

Tgt Ion:276 Resp: 4980

Ion	Ratio	Lower	Upper
276	100		
277	29.2	21.7	32.5
138	30.6	21.7	32.5