Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
Data File : BN034053.D
Acq On : 19 Sep 2024 17:03
Operator : JU/RC
Sample : PB163341BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Quant Time: Sep 19 17:59:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 16:09:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.438	152	6385	0.400	ng		0.00
7) Naphthalene-d8	10.191	136	18900	0.400	ng		0.00
13) Acenaphthene-d10	14.083	164	7692	0.400	ng		0.00
19) Phenanthrene-d10	16.833	188	17049	0.400	ng	#	0.00
29) Chrysene-d12	21.062	240	13235	0.400	ng	#	0.00
35) Perylene-d12	23.189	264	12101	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.076	112	6041	0.333	ng		0.00
5) Phenol-d6	6.629	99	6664	0.316	ng		0.00
8) Nitrobenzene-d5	8.568	82	5201	0.360	ng		0.00
11) 2-Methylnaphthalene-d10	11.795	152	9946	0.356	ng		0.00
14) 2,4,6-Tribromophenol	15.580	330	1195	0.343	ng		0.00
15) 2-Fluorobiphenyl	12.693	172	15724	0.503	ng		0.00
27) Fluoranthene-d10	18.885	212	15813	0.368	ng		0.00
31) Terphenyl-d14	19.503	244	9957	0.377	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.076	88	2213	0.277	ng		99
3) n-Nitrosodimethylamine	3.379	42	3596	0.396	ng	#	85
6) bis(2-Chloroethyl)ether	6.874	93	7319	0.392	ng		99
9) Naphthalene	10.244	128	19961	0.385	ng		99
10) Hexachlorobutadiene	10.532	225	3838	0.393	ng	#	98
12) 2-Methylnaphthalene	11.867	142	12581	0.373	ng		99
16) Acenaphthylene	13.795	152	12252	0.372	ng		100
17) Acenaphthene	14.147	154	8885	0.376	ng		99
18) Fluorene	15.142	166	11814	0.381	ng		100
20) 4,6-Dinitro-2-methylph...	15.238	198	659	0.346	ng	#	74
21) 4-Bromophenyl-phenylether	16.039	248	3577	0.373	ng	#	74
22) Hexachlorobenzene	16.151	284	4461	0.415	ng		99
23) Atrazine	16.324	200	2693	0.339	ng	#	94
24) Pentachlorophenol	16.498	266	997	0.281	ng		99
25) Phenanthrene	16.883	178	18179	0.371	ng		100
26) Anthracene	16.970	178	14776	0.370	ng		99
28) Fluoranthene	18.913	202	20987	0.370	ng		98
30) Pyrene	19.280	202	21143	0.378	ng		100
32) Benzo(a)anthracene	21.044	228	15285	0.365	ng		100
33) Chrysene	21.098	228	18880	0.378	ng		99
34) Bis(2-ethylhexyl)phtha...	21.008	149	6364	0.365	ng	#	97
36) Indeno(1,2,3-cd)pyrene	25.276	276	16791	0.324	ng		94
37) Benzo(b)fluoranthene	22.560	252	17560	0.370	ng		97
38) Benzo(k)fluoranthene	22.601	252	19268	0.387	ng	#	94
39) Benzo(a)pyrene	23.095	252	14364	0.372	ng		96
40) Dibenzo(a,h)anthracene	25.300	278	12898	0.320	ng		96
41) Benzo(g,h,i)perylene	25.911	276	15023	0.332	ng		95

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

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Data File : BN034053.D
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Misc :
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Instrument :
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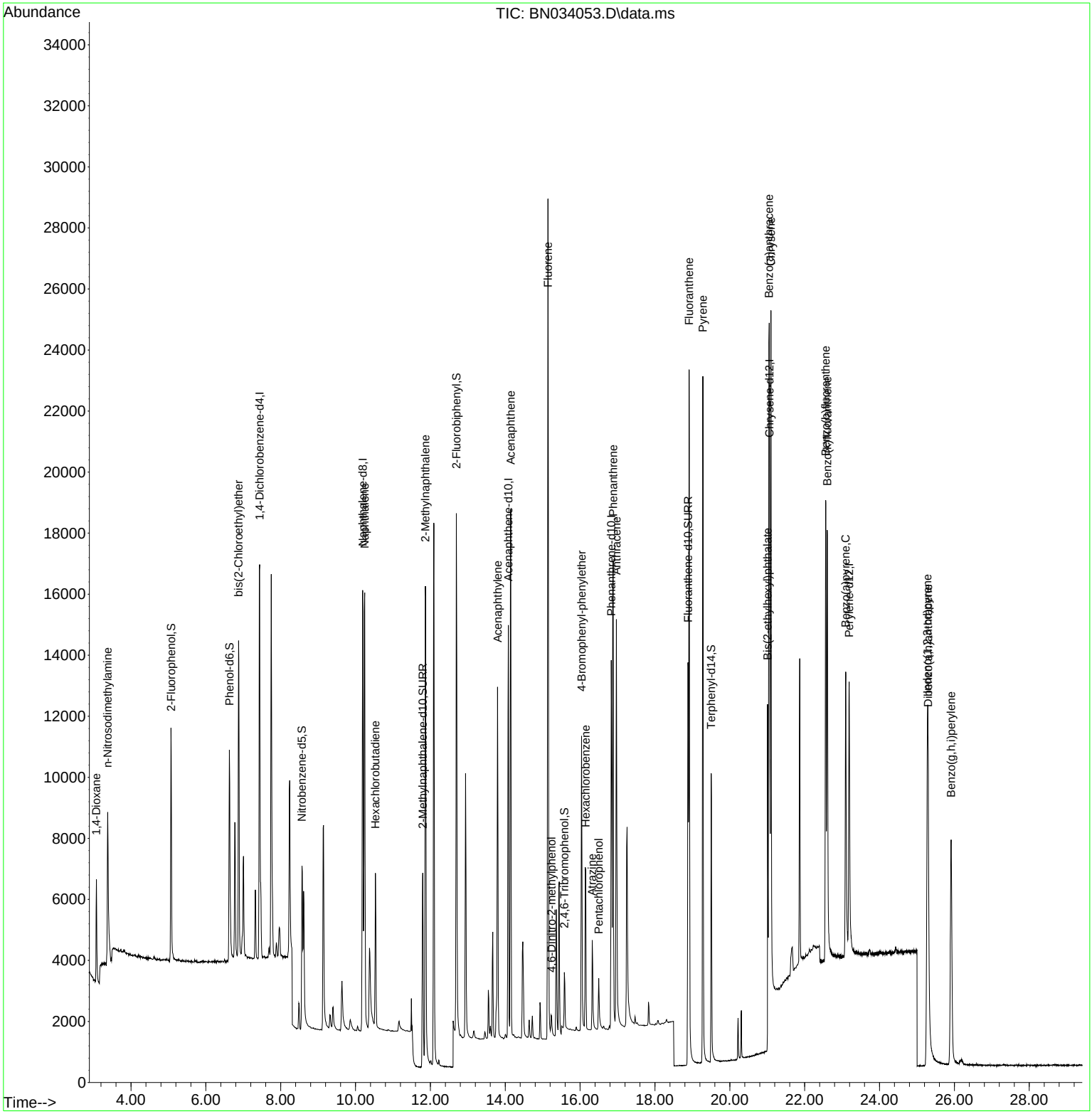
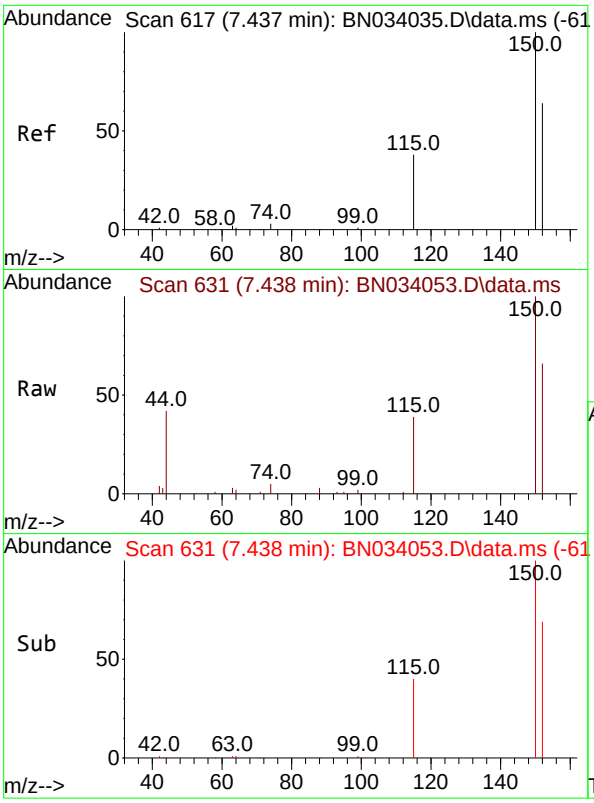
Quant Time: Sep 19 17:59:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 16:09:28 2024
Response via : Initial Calibration



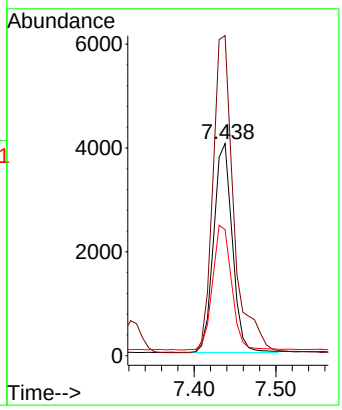


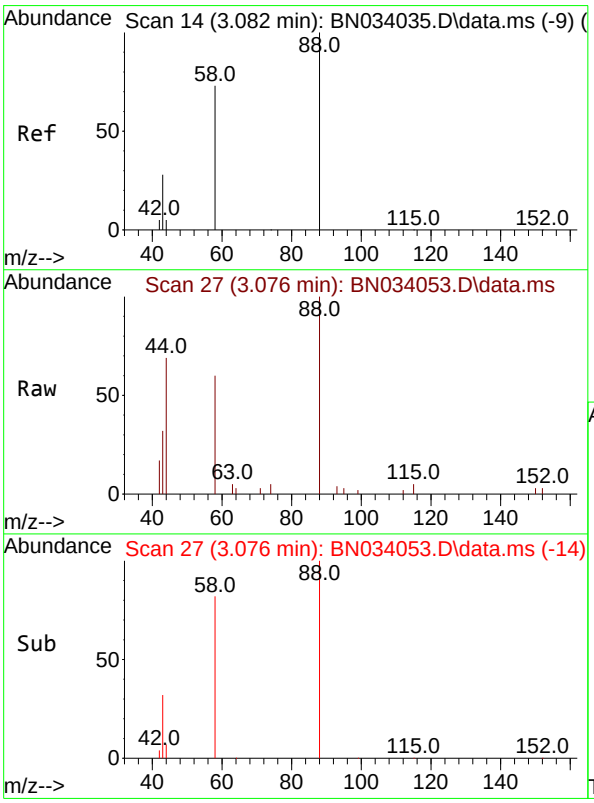
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.438 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:152 Resp: 6385

Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.6	187.0
115	59.4	50.0	75.0

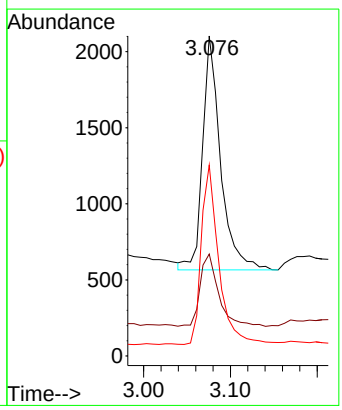


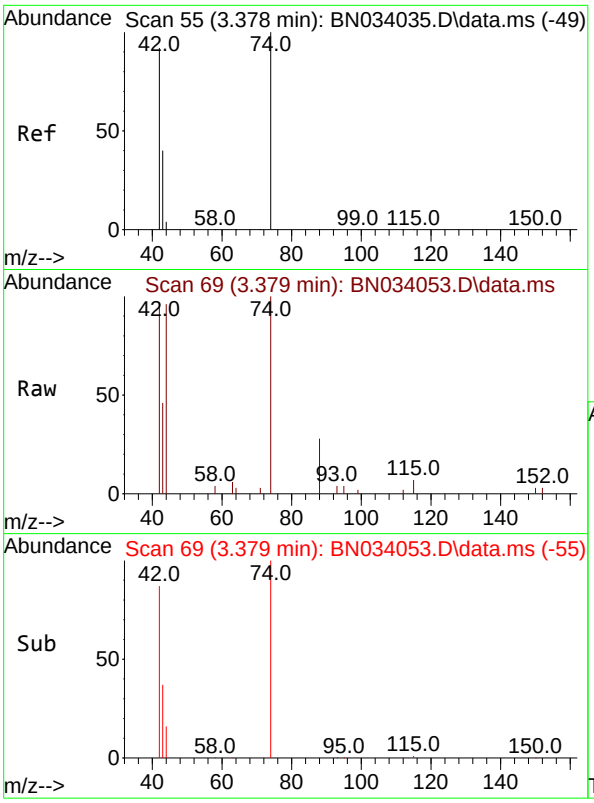


#2
1,4-Dioxane
Concen: 0.277 ng
RT: 3.076 min Scan# 27
Delta R.T. -0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion: 88 Resp: 2213

Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.8	38.8
58	74.8	58.8	88.2



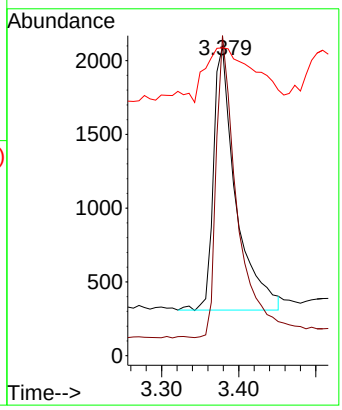


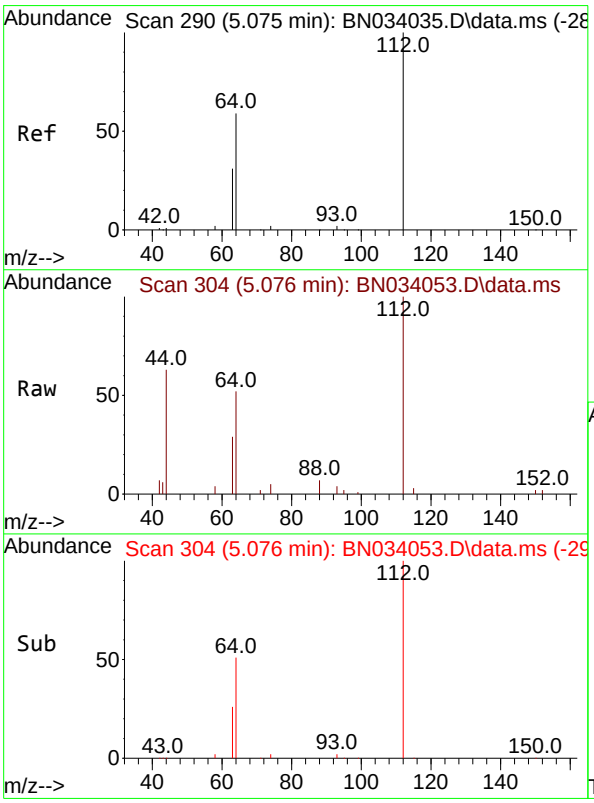
#3
n-Nitrosodimethylamine
Concen: 0.396 ng
RT: 3.379 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion: 42 Resp: 3596

Ion	Ratio	Lower	Upper
42	100		
74	107.3	94.6	142.0
44	37.1	12.4	18.6#

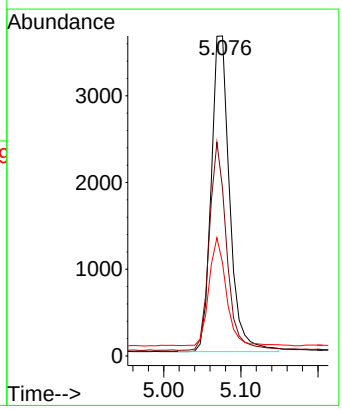


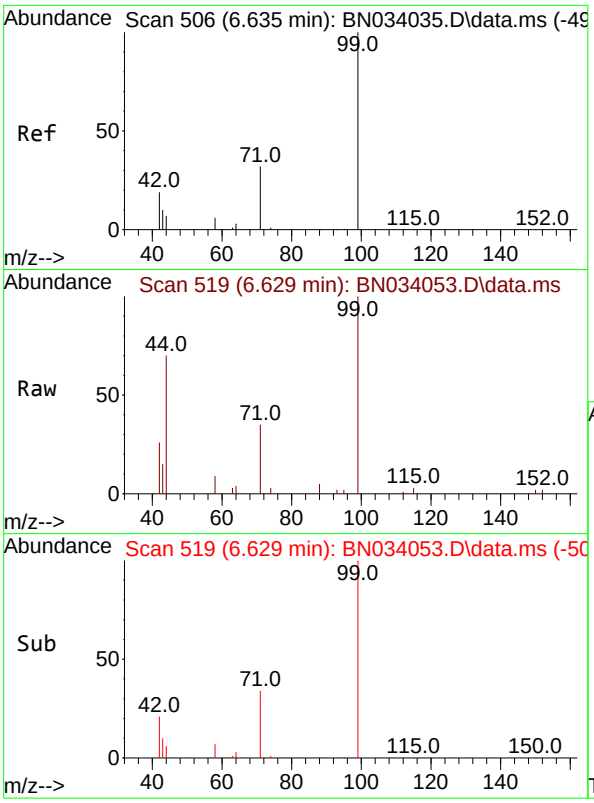


#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.076 min Scan# 304
Delta R.T. 0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:112 Resp: 6041

Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.6	72.8
63	31.7	25.6	38.4



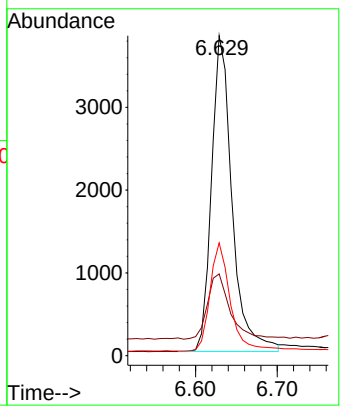


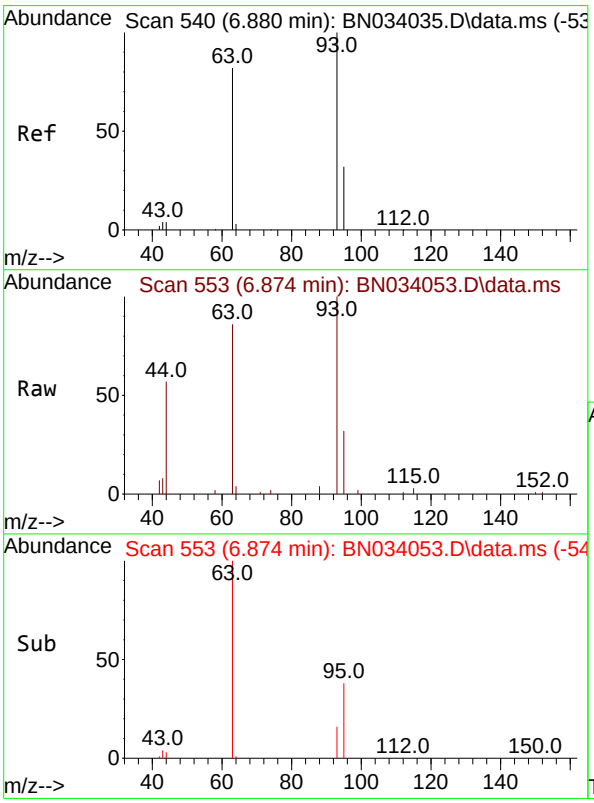
#5
Phenol-d6
Concen: 0.316 ng
RT: 6.629 min Scan# 5
Delta R.T. -0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion: 99 Resp: 6664

Ion	Ratio	Lower	Upper
99	100		
42	22.7	17.8	26.8
71	33.9	26.2	39.2

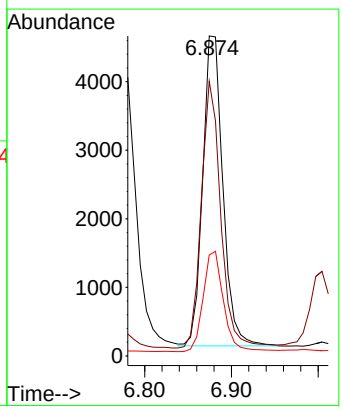


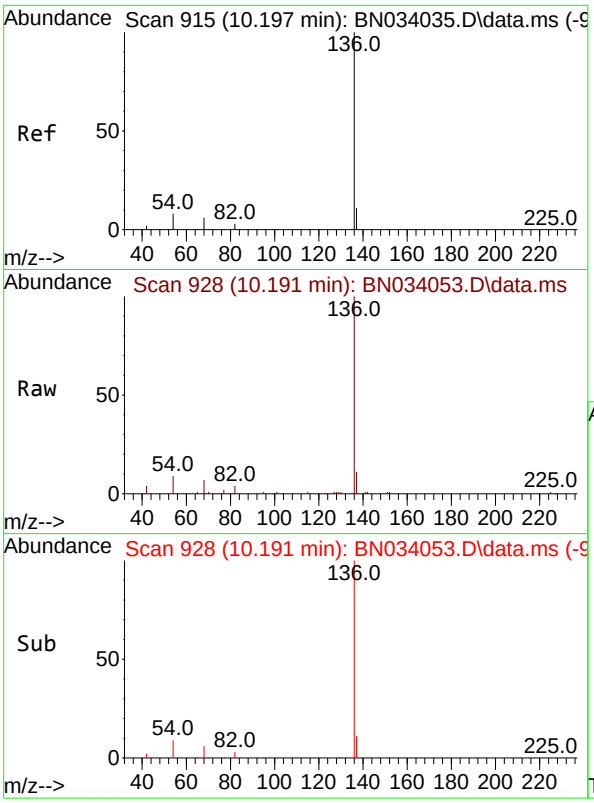


#6
bis(2-Chloroethyl)ether
Concen: 0.392 ng
RT: 6.874 min Scan# 553
Delta R.T. -0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion: 93 Resp: 7319

Ion	Ratio	Lower	Upper
93	100		
63	83.2	67.3	100.9
95	32.6	26.8	40.2



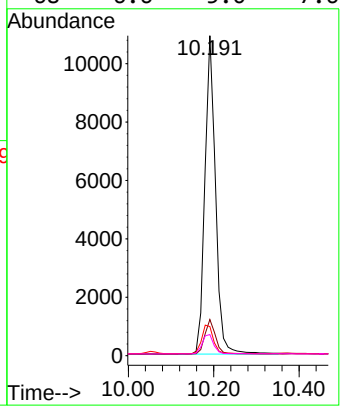


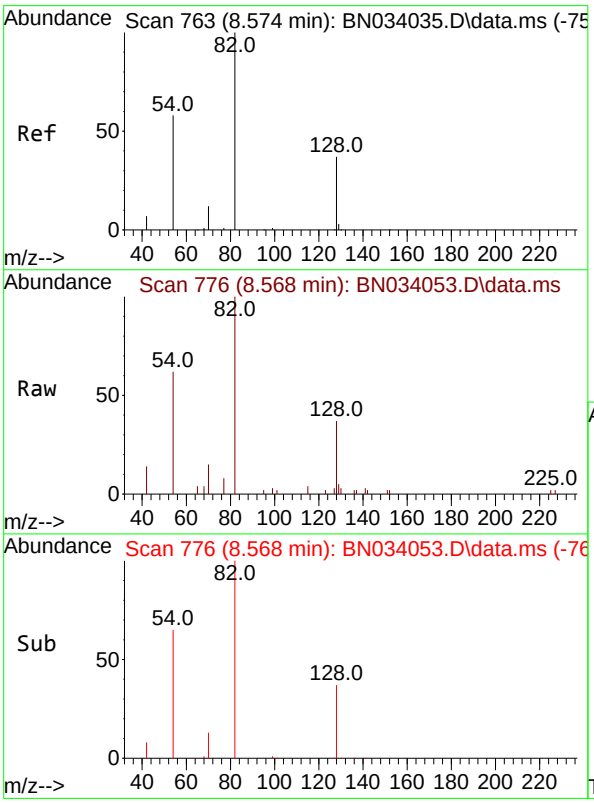
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 9
Delta R.T. -0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:136 Resp: 18900

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	9.1	6.8	10.2
68	6.6	5.0	7.6

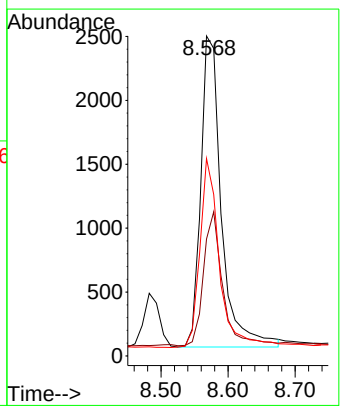


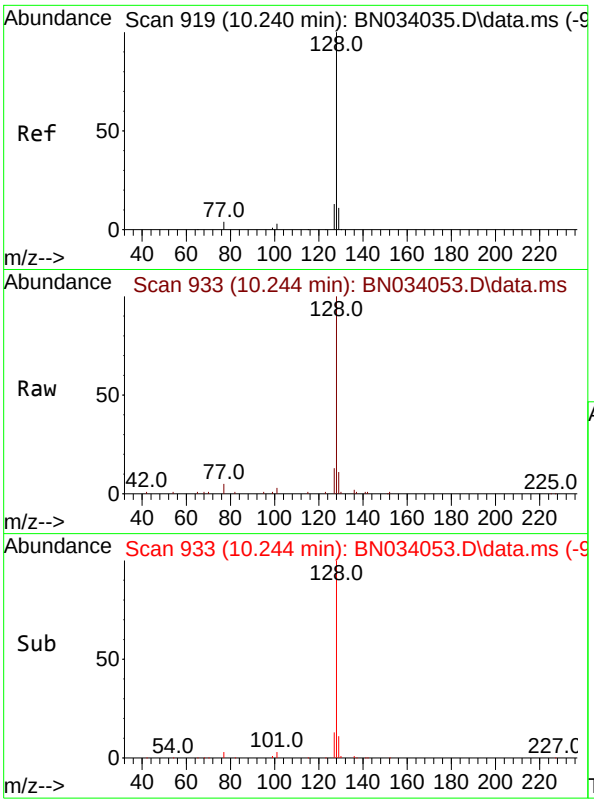


#8
Nitrobenzene-d5
Concen: 0.360 ng
RT: 8.568 min Scan# 776
Delta R.T. -0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion: 82 Resp: 5201

Ion	Ratio	Lower	Upper
82	100		
128	36.5	31.4	47.2
54	61.7	47.4	71.0



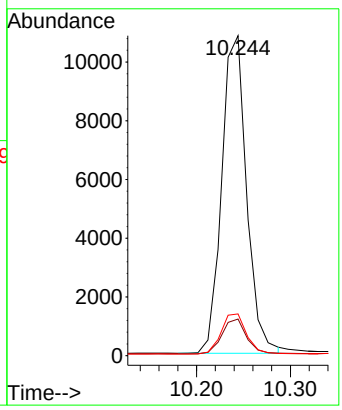


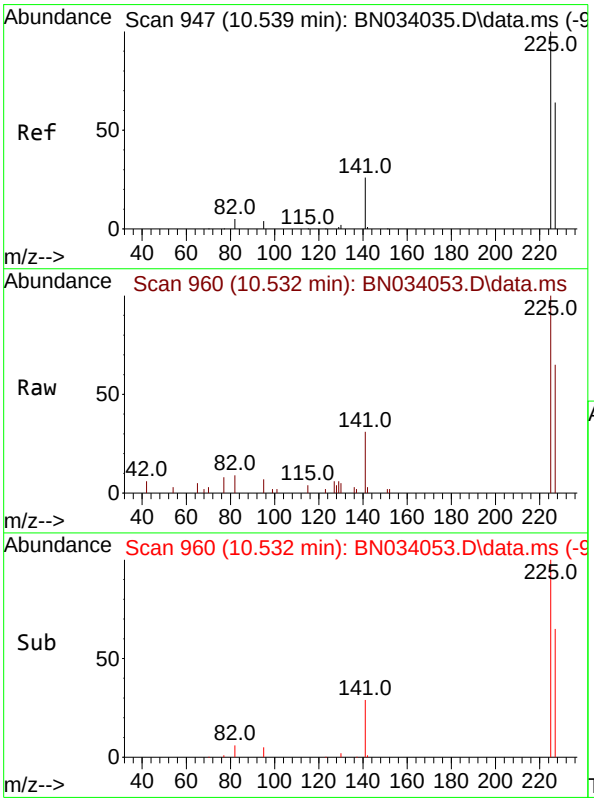
#9
Naphthalene
Concen: 0.385 ng
RT: 10.244 min Scan# 9
Delta R.T. 0.005 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:128 Resp: 19961

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.1	10.7	16.1

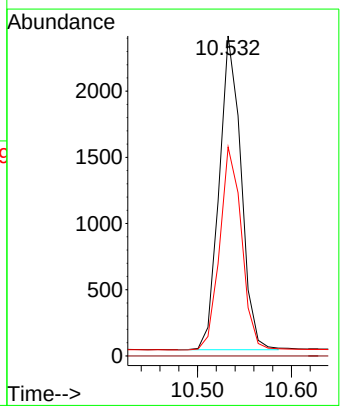


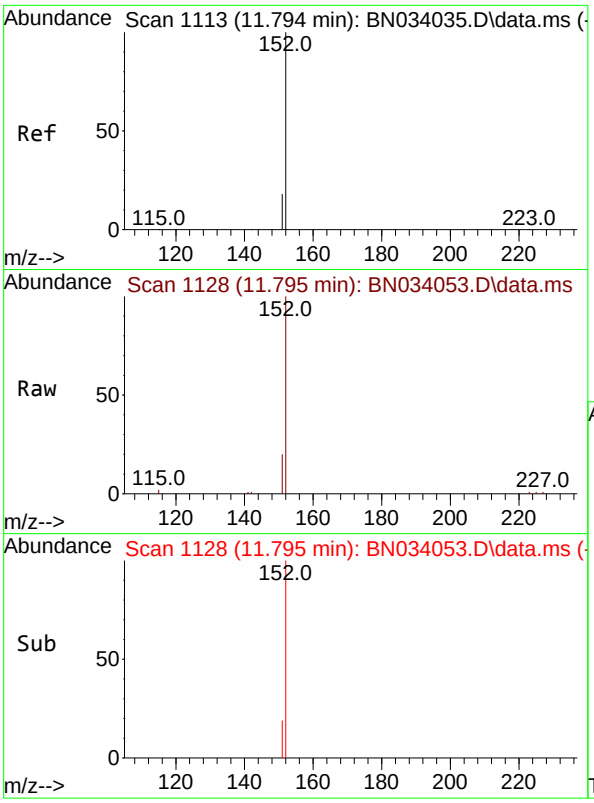


#10
Hexachlorobutadiene
Concen: 0.393 ng
RT: 10.532 min Scan# 960
Delta R.T. -0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:225 Resp: 3838

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.5	75.7



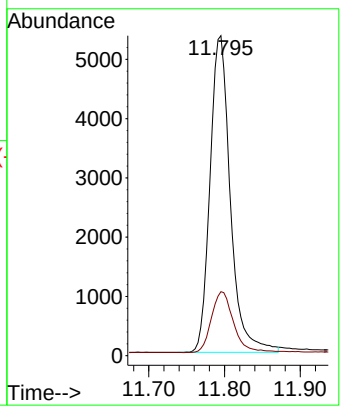


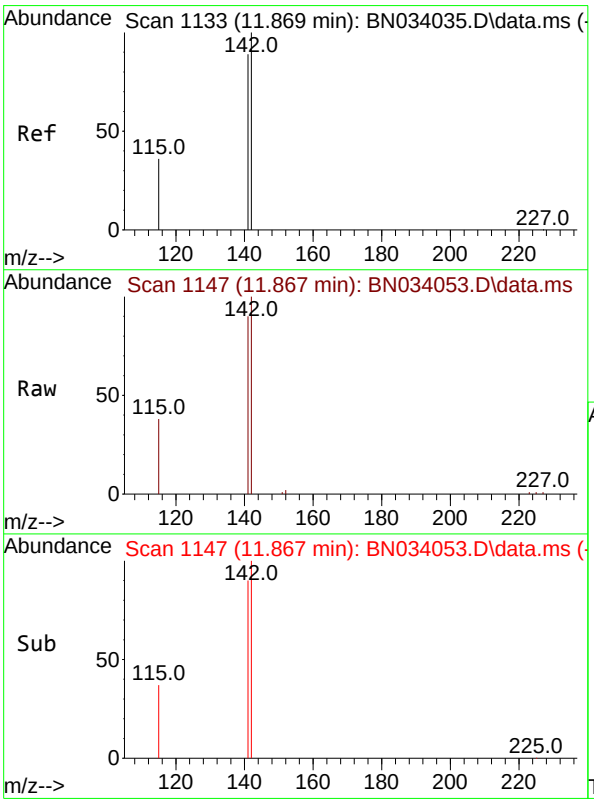
#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 11.795 min Scan# 11
Delta R.T. 0.002 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:152 Resp: 9946

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2

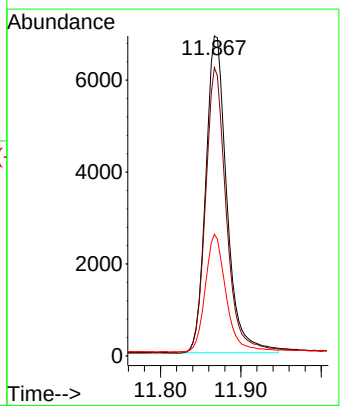


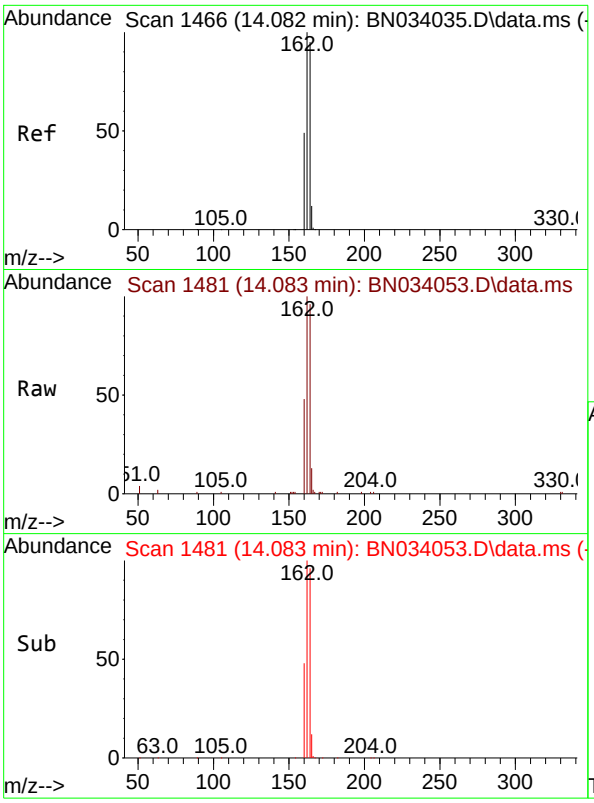


#12
2-Methylnaphthalene
Concen: 0.373 ng
RT: 11.867 min Scan# 1147
Delta R.T. -0.002 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:142 Resp: 12581

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.6	107.4
115	38.0	30.0	45.0



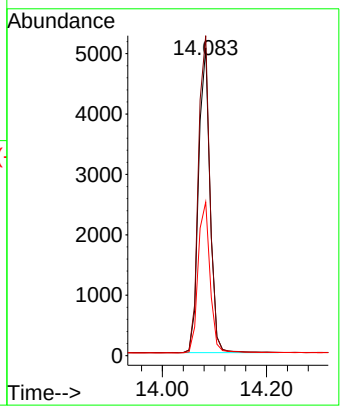


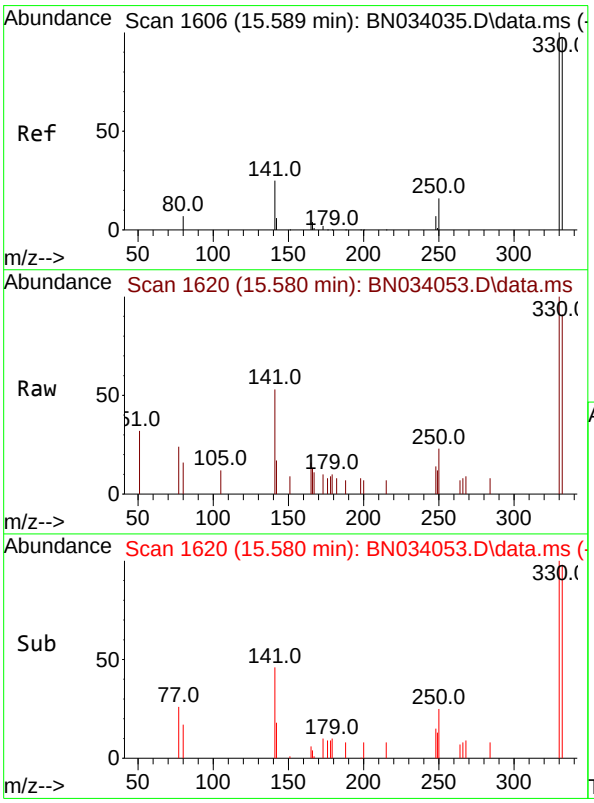
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.083 min Scan# 14
Delta R.T. 0.002 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:164 Resp: 7692

Ion	Ratio	Lower	Upper
164	100		
162	103.9	84.2	126.2
160	49.9	41.7	62.5

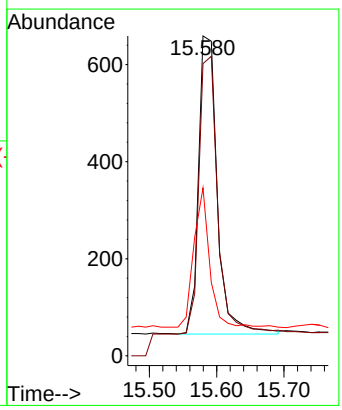


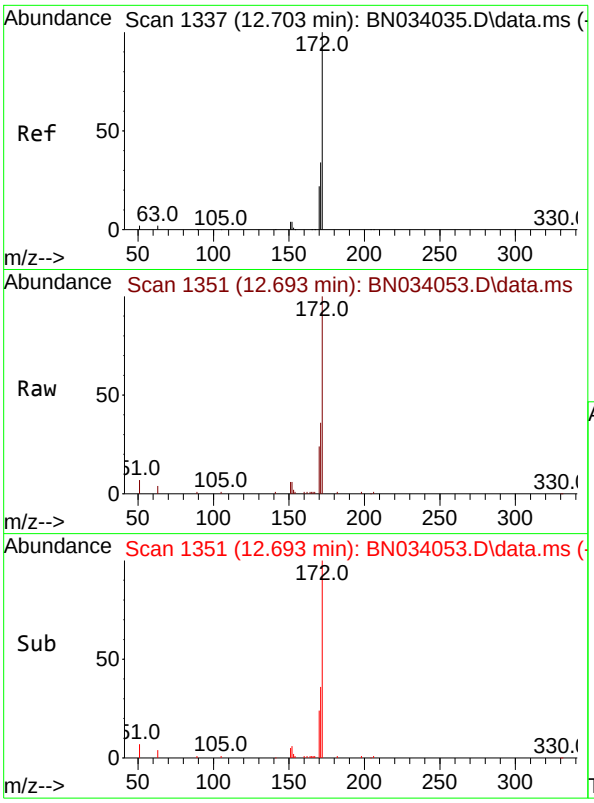


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.580 min Scan# 1620
Delta R.T. -0.009 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:330 Resp: 1195

Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.4	116.0
141	39.2	35.9	53.9



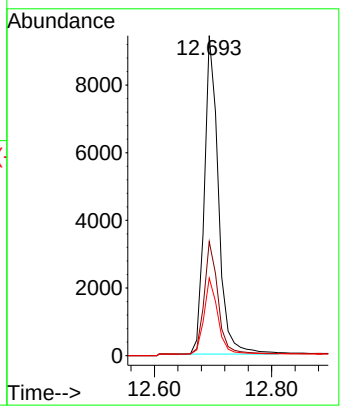


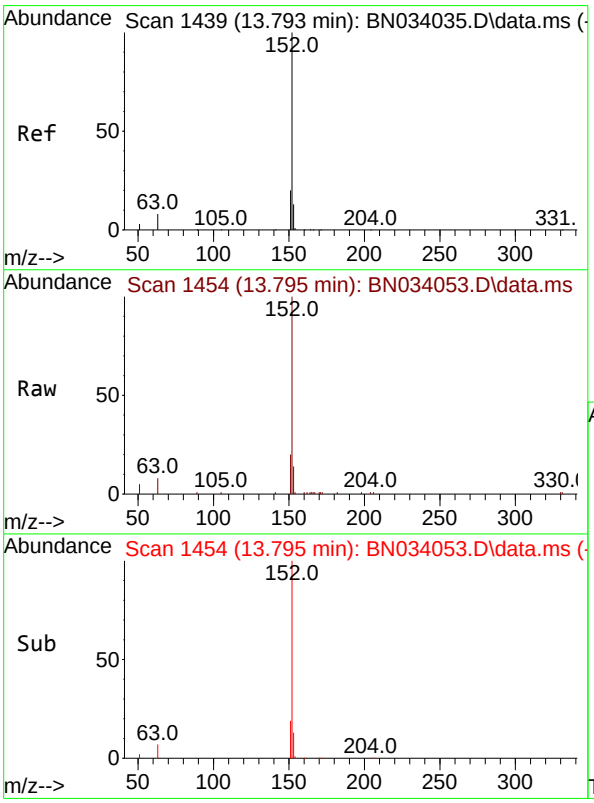
#15
2-Fluorobiphenyl
Concen: 0.503 ng
RT: 12.693 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:172 Resp: 15724

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.3	40.9
170	24.3	18.1	27.1

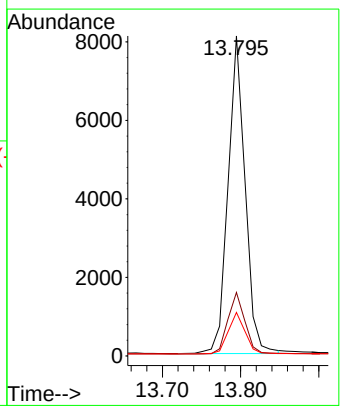


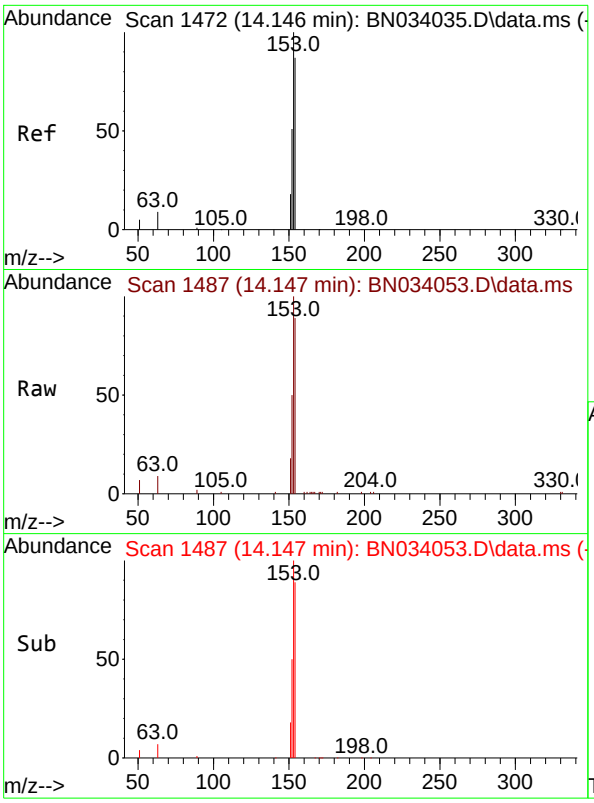


#16
Acenaphthylene
Concen: 0.372 ng
RT: 13.795 min Scan# 1454
Delta R.T. 0.002 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:152 Resp: 12252

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.0	10.3	15.5



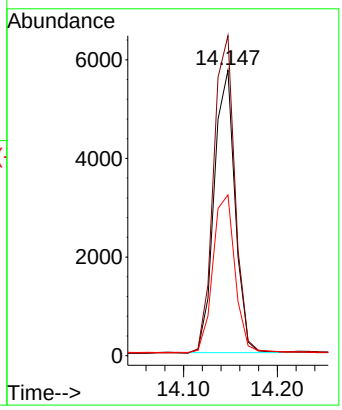


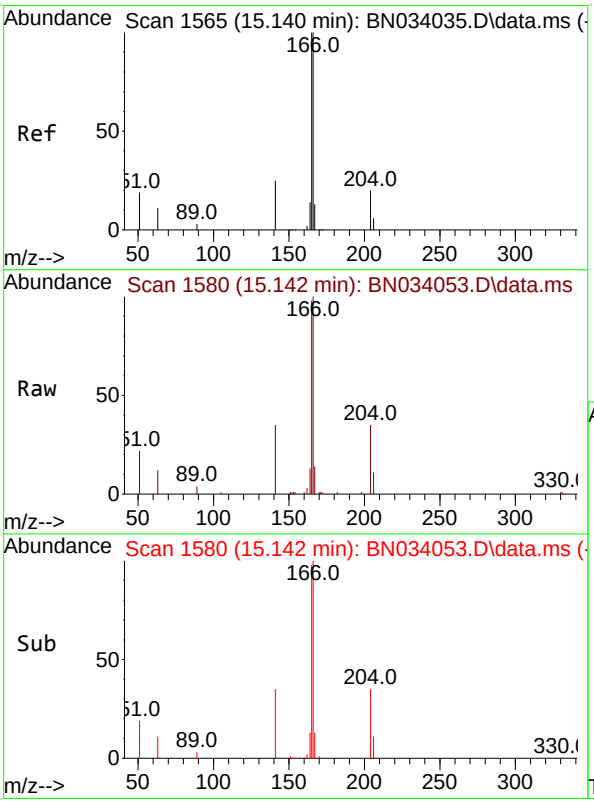
#17
Acenaphthene
Concen: 0.376 ng
RT: 14.147 min Scan# 14
Delta R.T. 0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:154 Resp: 8885

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.6	137.4
152	58.9	47.4	71.2

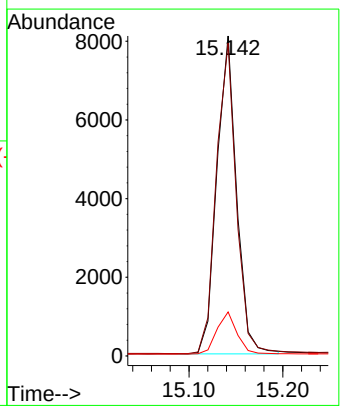


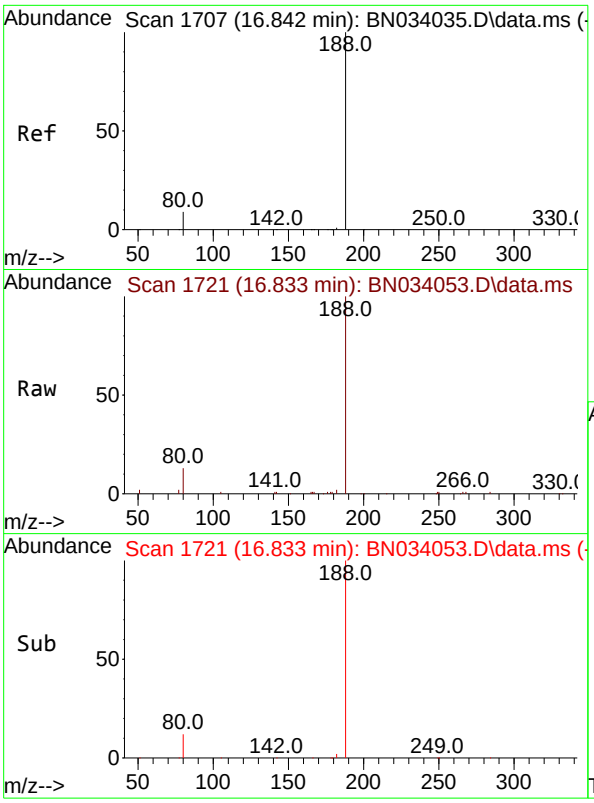


#18
Fluorene
Concen: 0.381 ng
RT: 15.142 min Scan# 1580
Delta R.T. 0.002 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:166 Resp: 11814

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.1	118.7
167	13.4	10.6	15.8



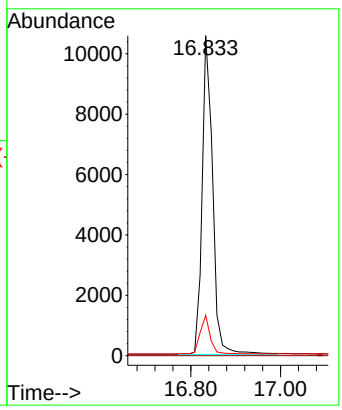


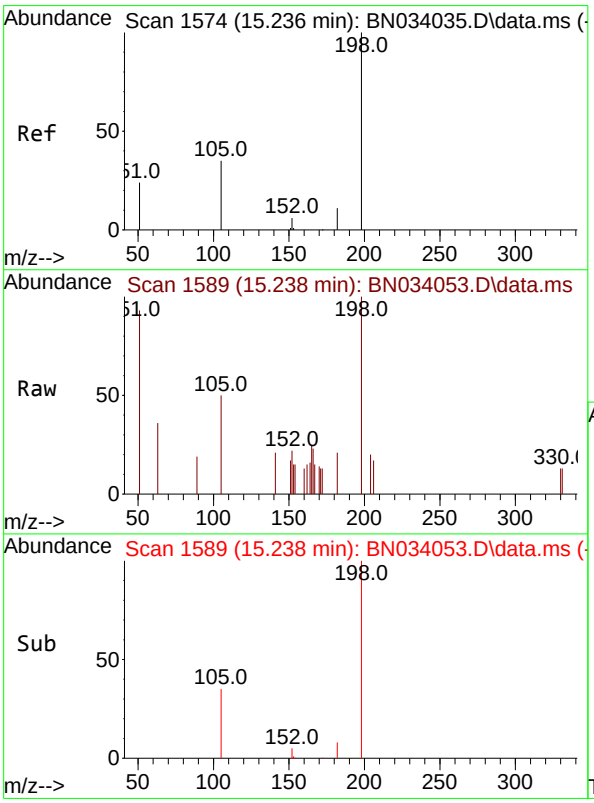
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.833 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:188 Resp: 17049

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.6	7.4	11.0#

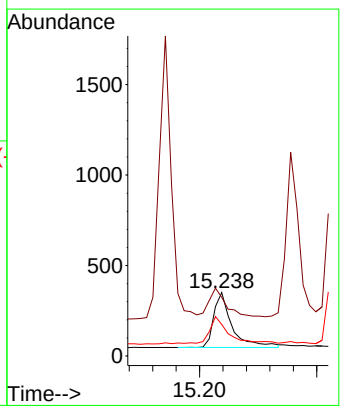


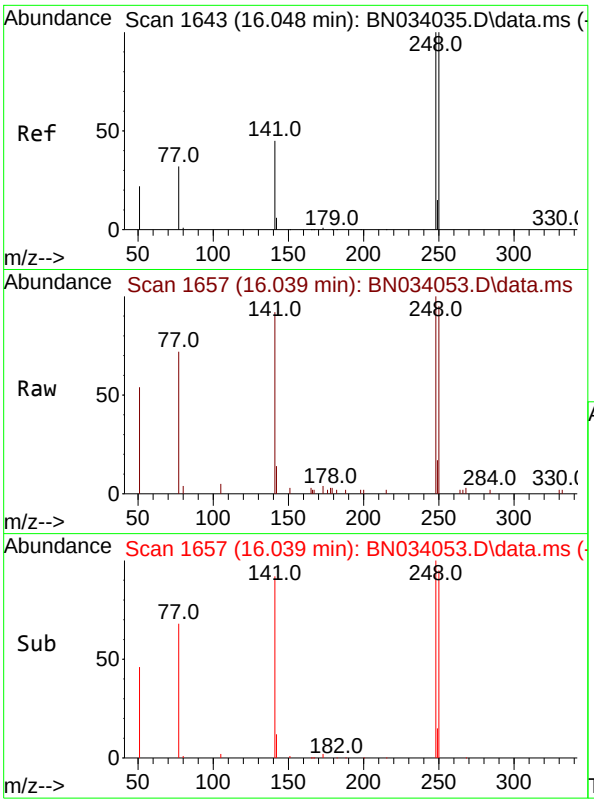


#20
4,6-Dinitro-2-methylphenol
Concen: 0.346 ng
RT: 15.238 min Scan# 1589
Delta R.T. 0.002 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:198 Resp: 659

Ion	Ratio	Lower	Upper
198	100		
51	92.9	106.4	159.6#
105	49.7	38.5	57.7



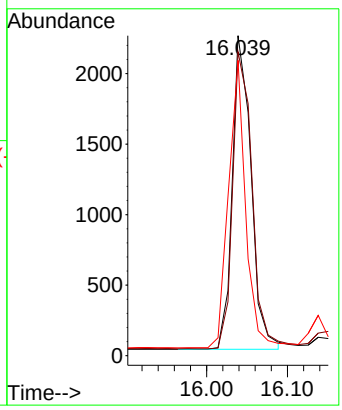


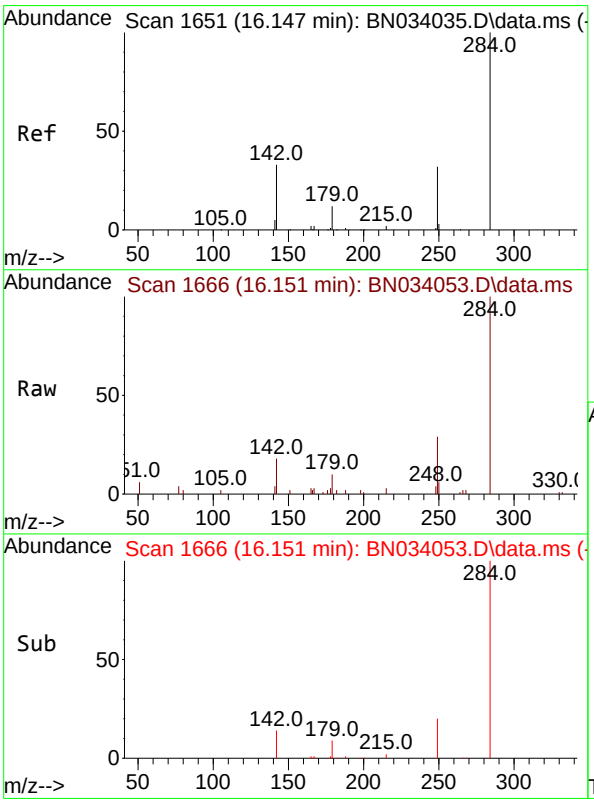
#21
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.039 min Scan# 1(
Delta R.T. -0.009 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:248 Resp: 3577

Ion	Ratio	Lower	Upper
248	100		
250	94.9	80.5	120.7
141	92.3	37.1	55.7#

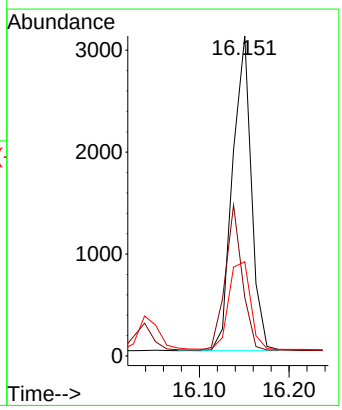


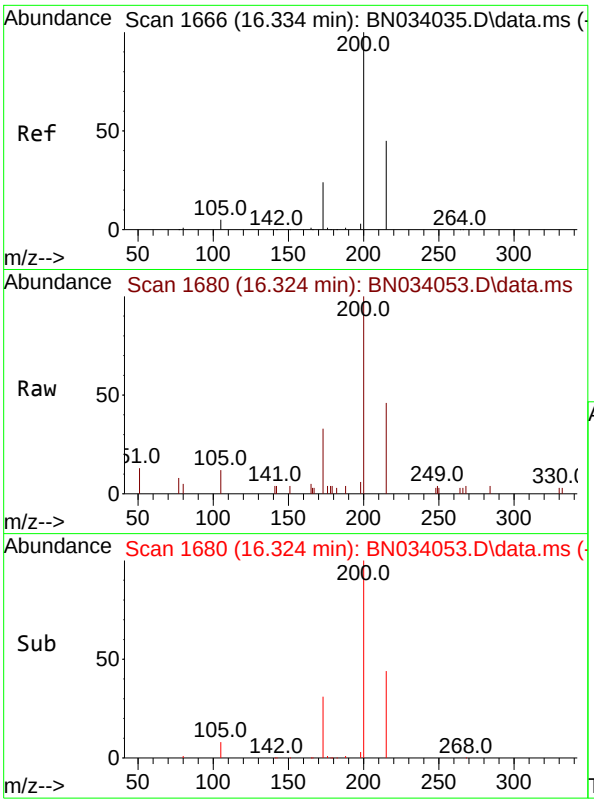


#22
Hexachlorobenzene
Concen: 0.415 ng
RT: 16.151 min Scan# 1666
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:284 Resp: 4461

Ion	Ratio	Lower	Upper
284	100		
142	41.8	34.5	51.7
249	32.1	25.8	38.6



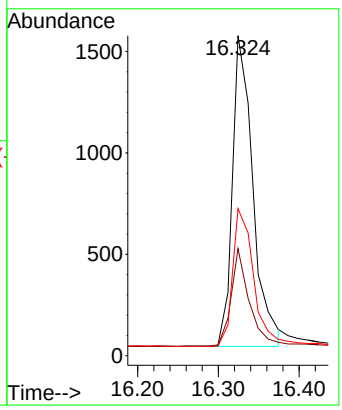


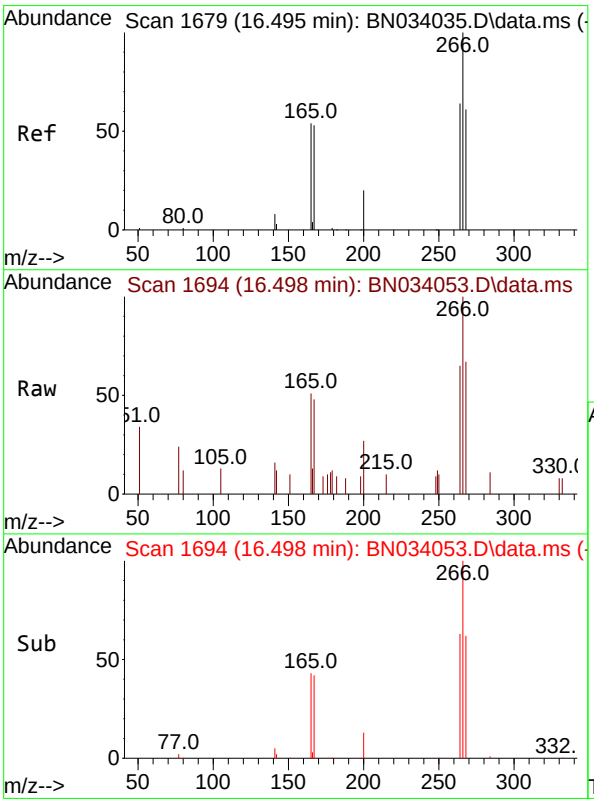
#23
Atrazine
Concen: 0.339 ng
RT: 16.324 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:200 Resp: 2693

Ion	Ratio	Lower	Upper
200	100		
173	33.5	20.1	30.1#
215	45.9	37.0	55.6

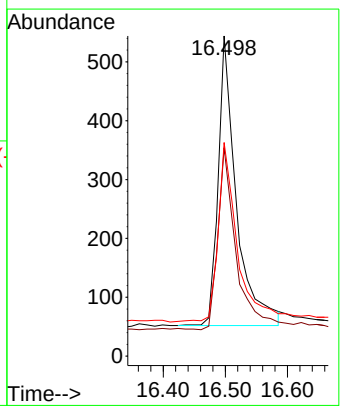


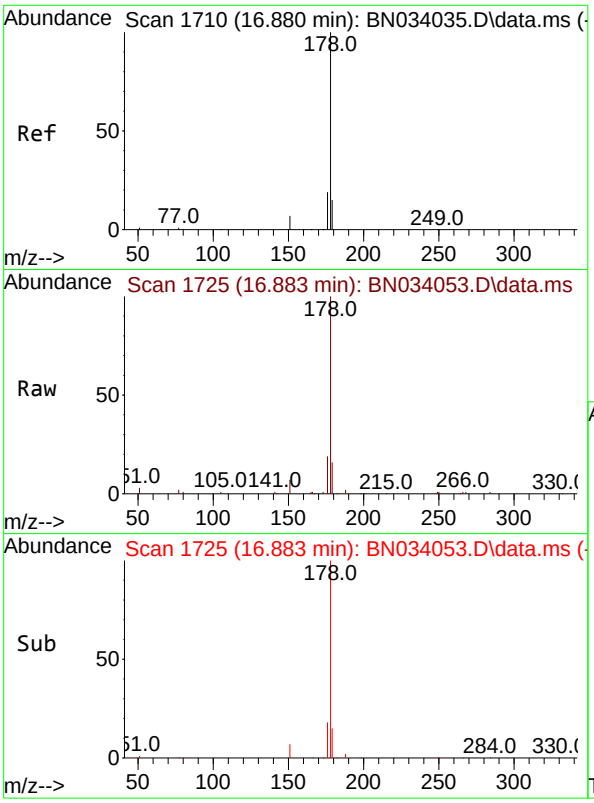


#24
Pentachlorophenol
Concen: 0.281 ng
RT: 16.498 min Scan# 1694
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:266 Resp: 997

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.2	75.2
268	65.1	51.0	76.4



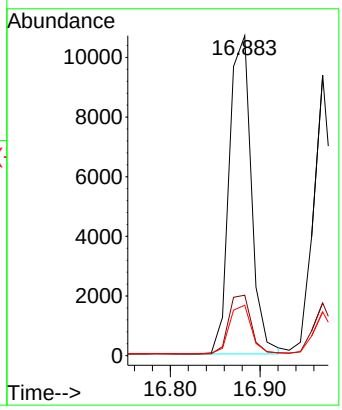


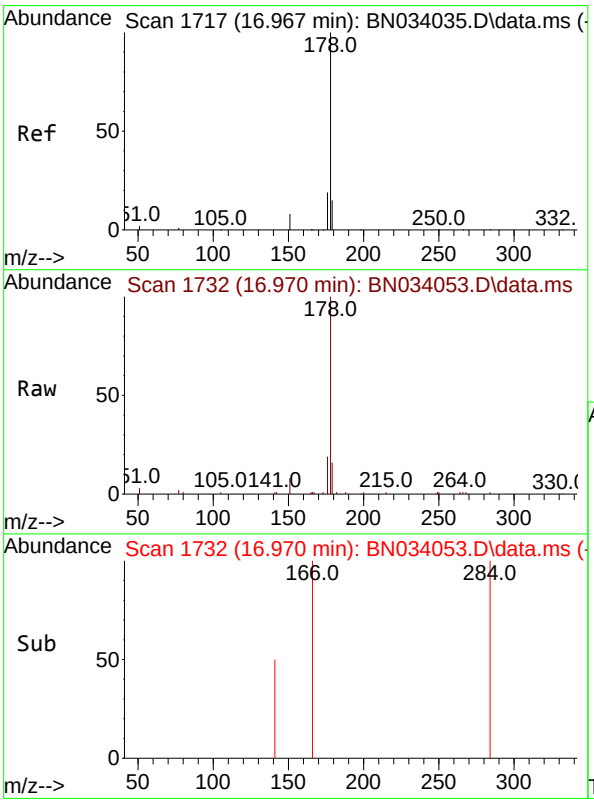
#25
Phenanthrene
Concen: 0.371 ng
RT: 16.883 min Scan# 1
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:178 Resp: 18179

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.1	18.1

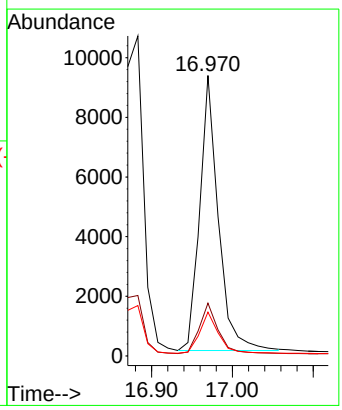


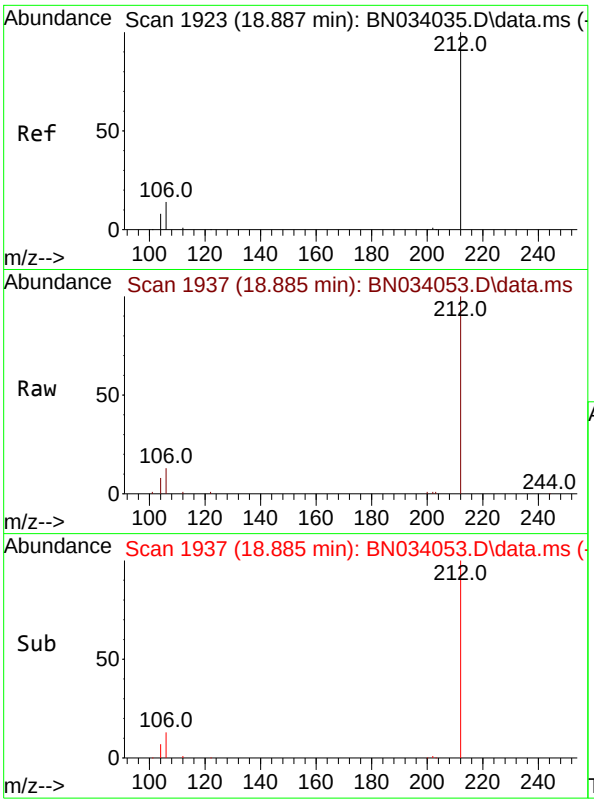


#26
Anthracene
Concen: 0.370 ng
RT: 16.970 min Scan# 1732
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:178 Resp: 14776

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.0	12.2	18.4



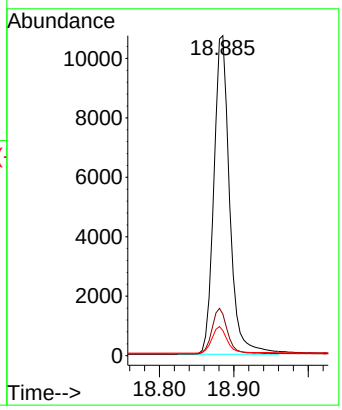


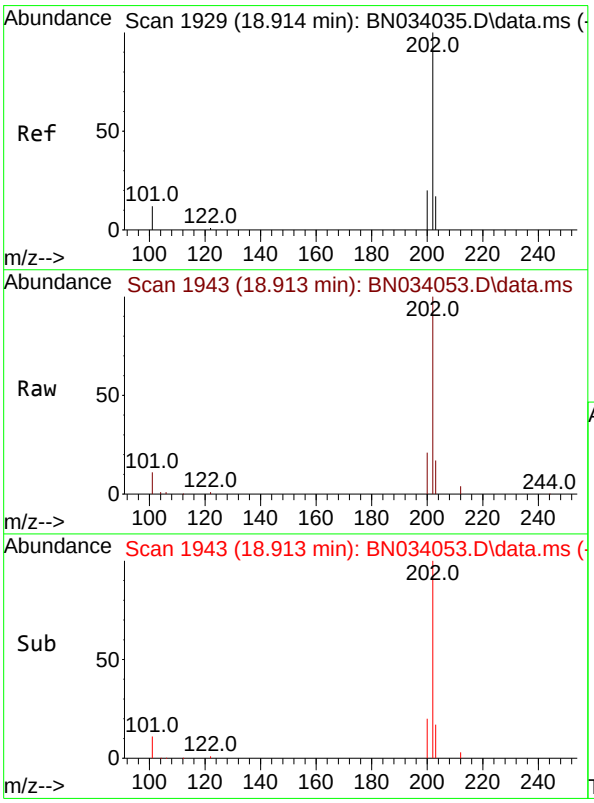
#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 18.885 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:212 Resp: 15813

Ion	Ratio	Lower	Upper
212	100		
106	14.3	13.4	20.2
104	8.1	7.8	11.6

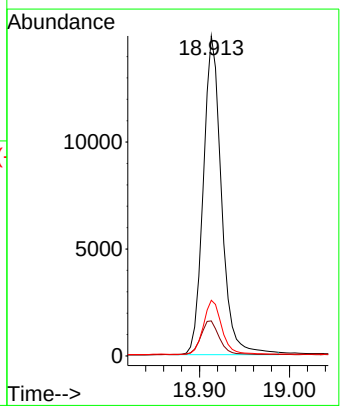


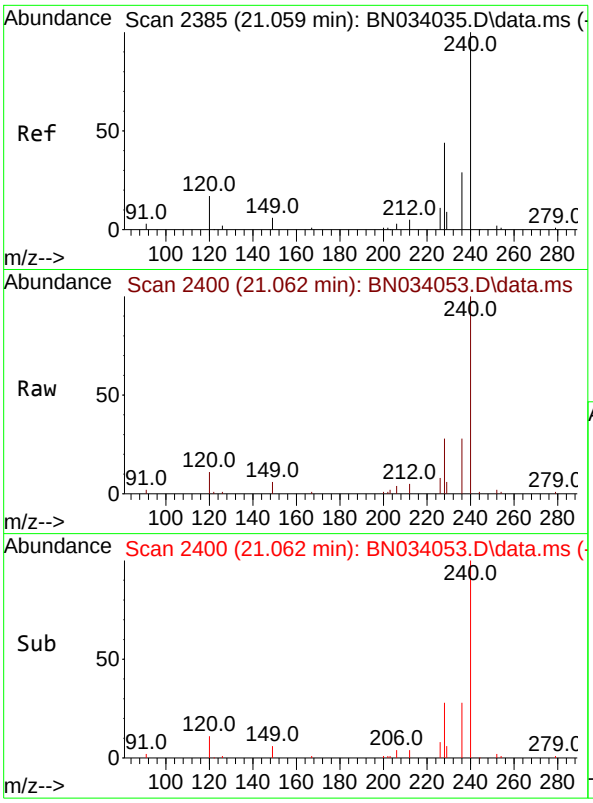


#28
Fluoranthene
Concen: 0.370 ng
RT: 18.913 min Scan# 1943
Delta R.T. -0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:202 Resp: 20987

Ion	Ratio	Lower	Upper
202	100		
101	11.3	10.1	15.1
203	17.1	13.6	20.4



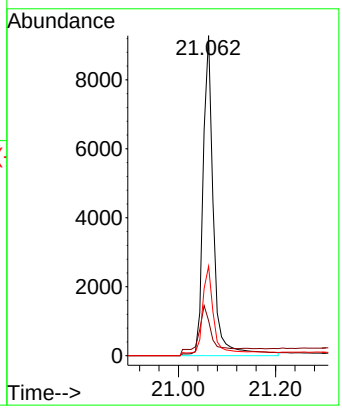


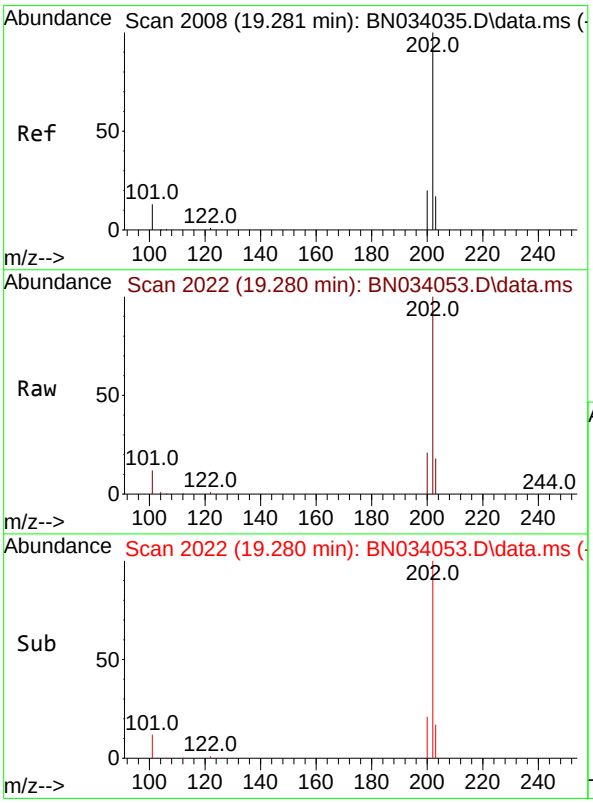
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.062 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:240 Resp: 13235

Ion	Ratio	Lower	Upper
240	100		
120	11.0	13.5	20.3#
236	27.9	23.4	35.0

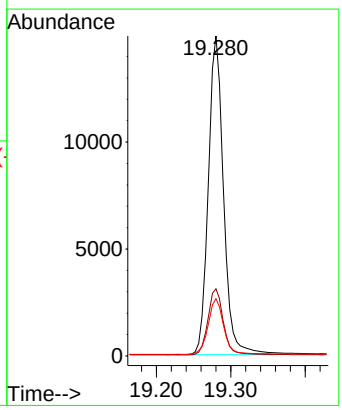


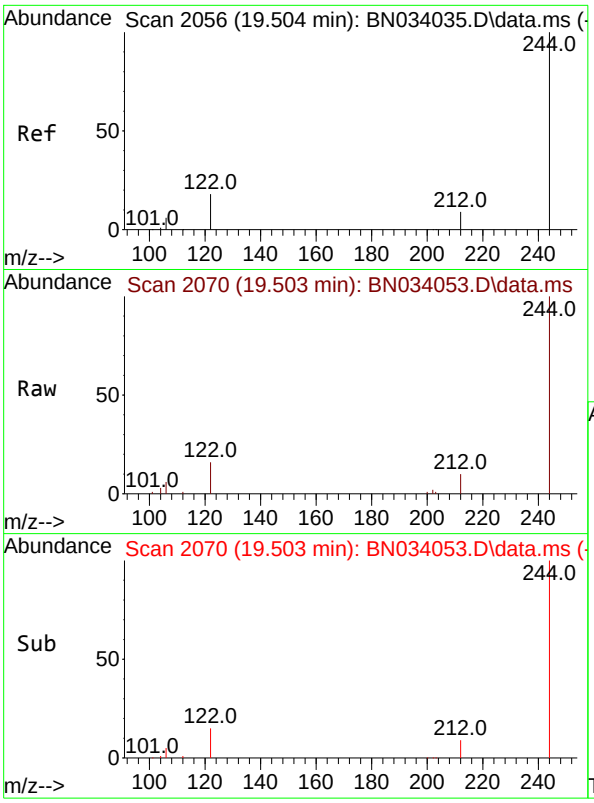


#30
Pyrene
Concen: 0.378 ng
RT: 19.280 min Scan# 2022
Delta R.T. -0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:202 Resp: 21143

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.9	14.3	21.5



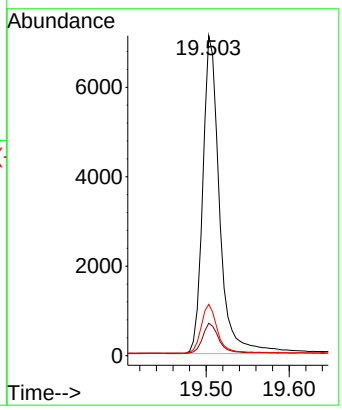


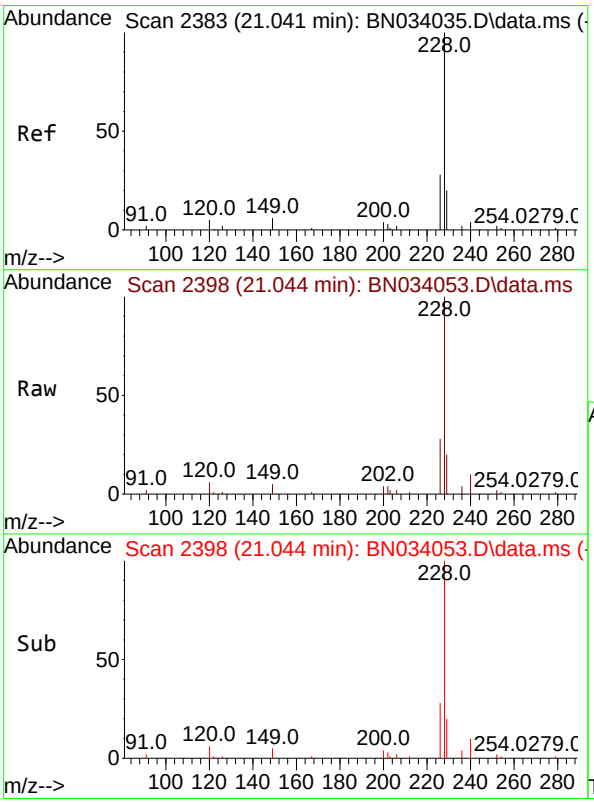
#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.503 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:244 Resp: 9957

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.8	11.6
122	16.0	14.8	22.2

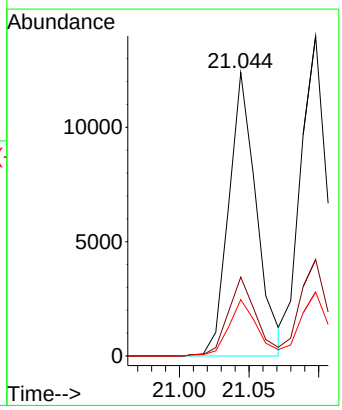


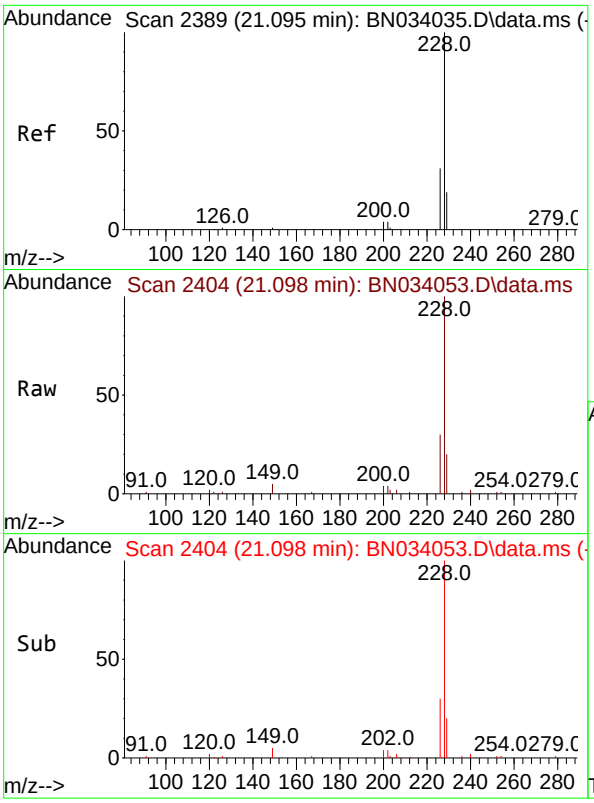


#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.044 min Scan# 2398
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:228 Resp: 15285

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	19.9	15.7	23.5



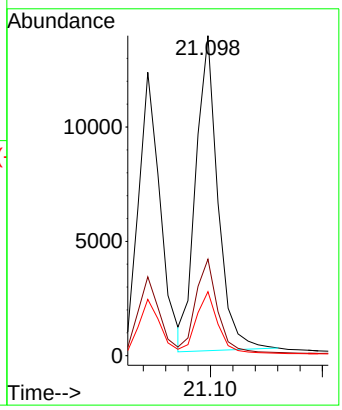


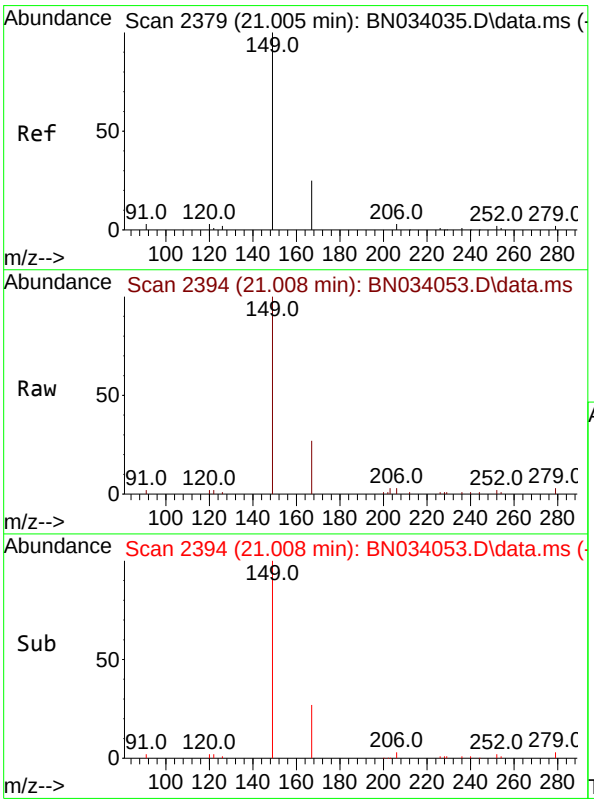
#33
Chrysene
Concen: 0.378 ng
RT: 21.098 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:228 Resp: 18880

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	20.0	15.5	23.3

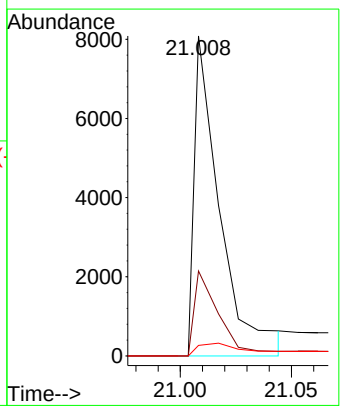


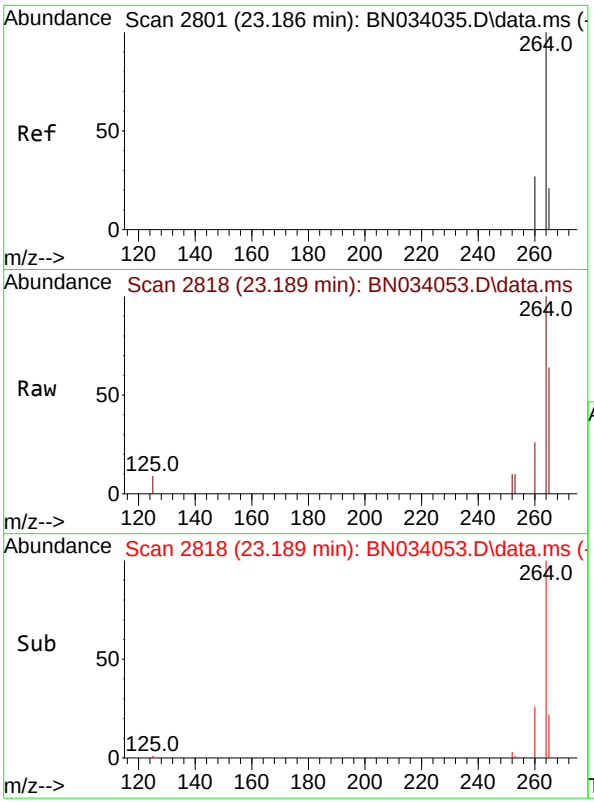


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.365 ng
RT: 21.008 min Scan# 2394
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:149 Resp: 6364

Ion	Ratio	Lower	Upper
149	100		
167	26.1	19.9	29.9
279	7.1	4.6	6.8#



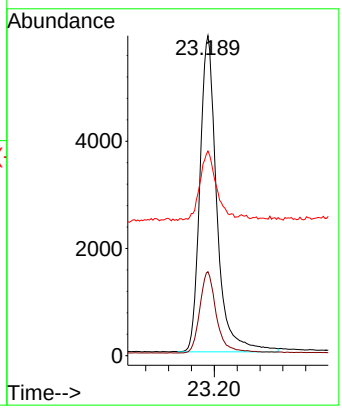


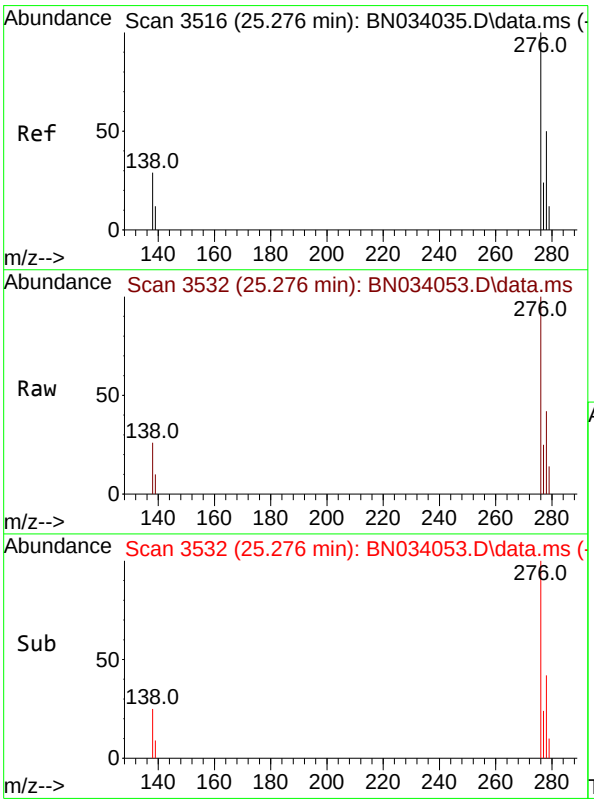
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.189 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:264 Resp: 12101

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.7	32.5
265	64.0	52.1	78.1

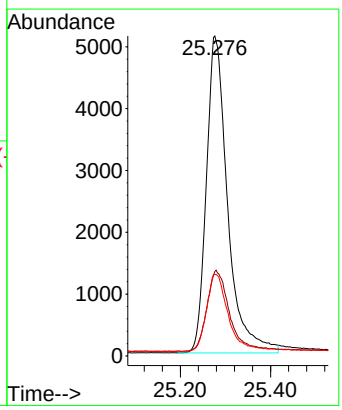


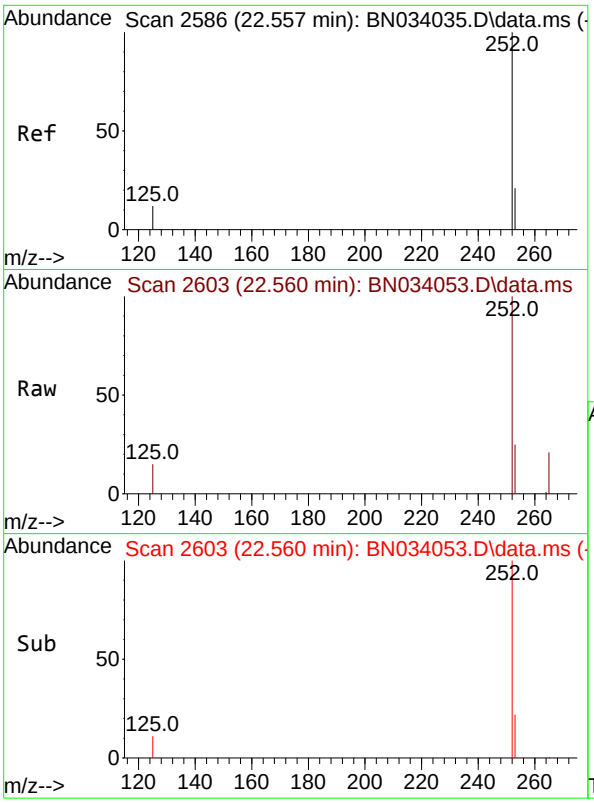


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.324 ng
RT: 25.276 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:276 Resp: 16791

Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.9	38.9
277	25.0	19.7	29.5



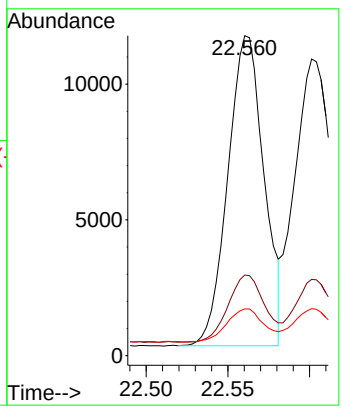


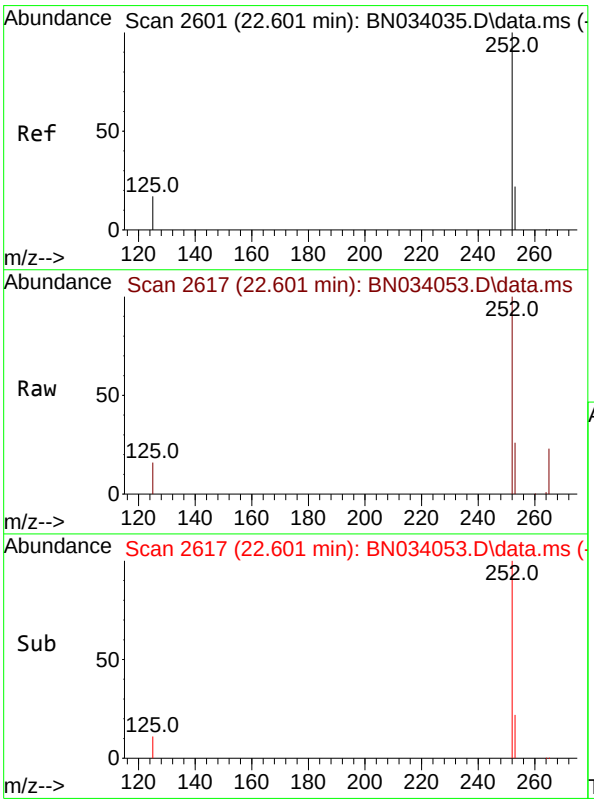
#37
Benzo(b)fluoranthene
Concen: 0.370 ng
RT: 22.560 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:252 Resp: 17560

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.6	29.4
125	14.6	13.8	20.8

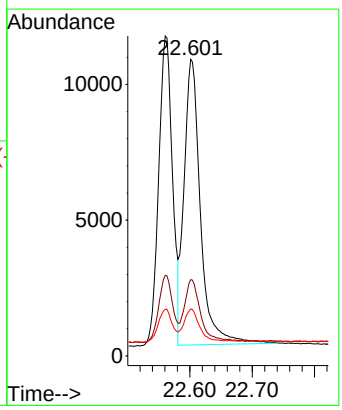


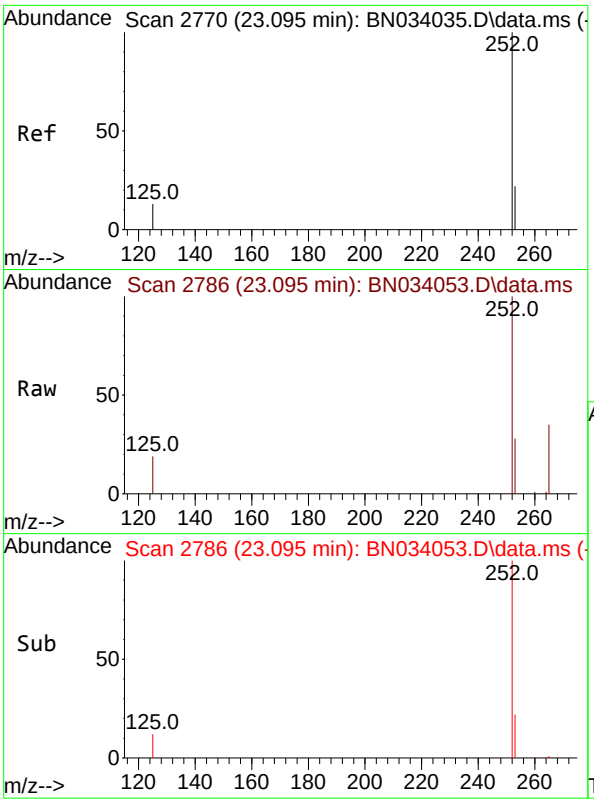


#38
Benzo(k)fluoranthene
Concen: 0.387 ng
RT: 22.601 min Scan# 2617
Delta R.T. 0.000 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:252 Resp: 19268

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.1	30.1
125	15.8	16.8	25.2#



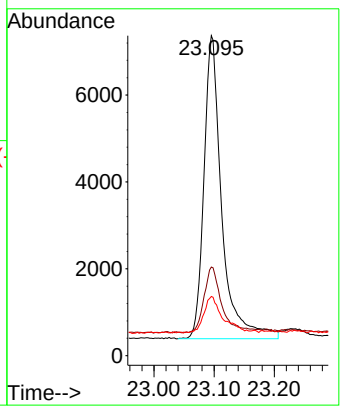


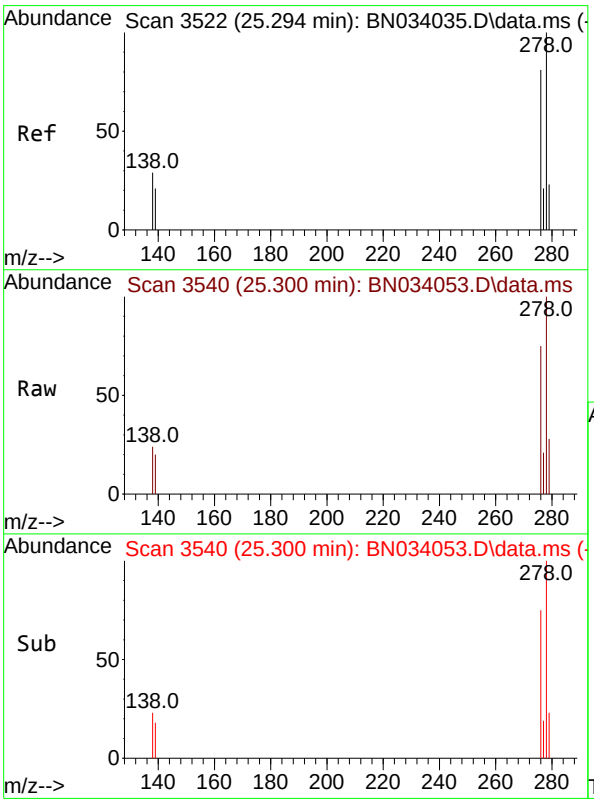
#39
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.095 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:252 Resp: 14364

Ion	Ratio	Lower	Upper
252	100		
253	27.7	21.8	32.8
125	18.5	17.5	26.3

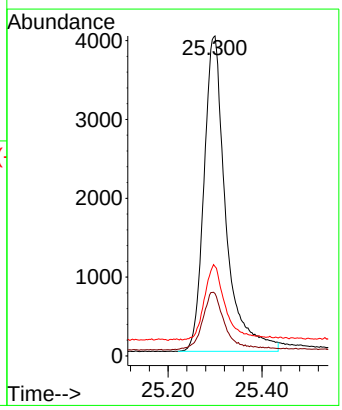


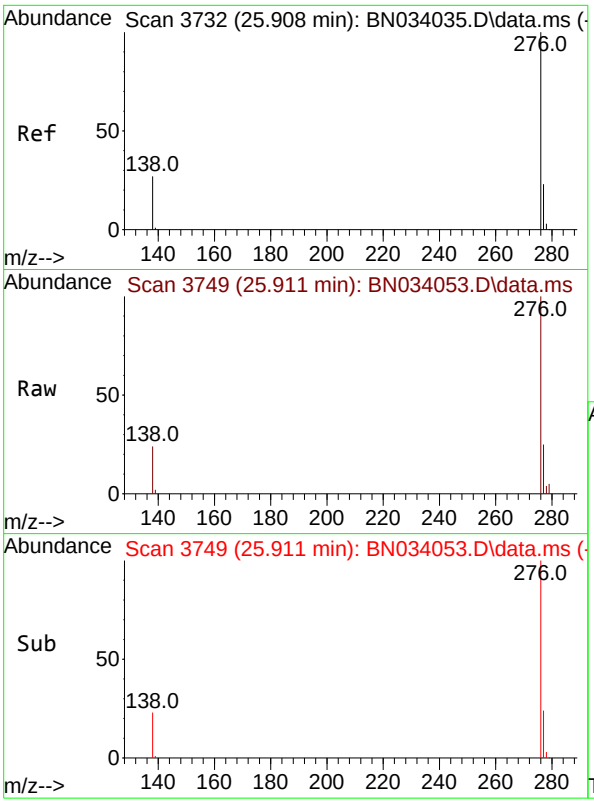


#40
Dibenzo(a,h)anthracene
Concen: 0.320 ng
RT: 25.300 min Scan# 3540
Delta R.T. 0.006 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Tgt Ion:278 Resp: 12898

Ion	Ratio	Lower	Upper
278	100		
139	19.5	17.8	26.8
279	27.9	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 0.332 ng
RT: 25.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN034053.D
Acq: 19 Sep 2024 17:03

Instrument :
BNA_N
ClientSampleId :
PB163341BSD

Tgt Ion:276 Resp: 15023

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.3	28.9
138	24.3	22.6	34.0