Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
Data File : BN034039.D
Acq On : 18 Sep 2024 15:30
Operator : JU/RC
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 18 16:17:35 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	7.437	152	7777	0.400	ng		0.00
7) Naphthalene-d8	10.197	136	22212	0.400	ng		0.00
13) Acenaphthene-d10	14.082	164	13128	0.400	ng		0.00
19) Phenanthrene-d10	16.843	188	28109	0.400	ng		0.00
29) Chrysene-d12	21.059	240	24472	0.400	ng		0.00
35) Perylene-d12	23.189	264	21702	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.075	112	105855	4.796	ng		0.00
5) Phenol-d6	6.635	99	138167	5.382	ng		0.00
8) Nitrobenzene-d5	8.574	82	93192	5.485	ng		0.00
11) 2-Methylnaphthalene-d10	11.794	152	169448	5.166	ng		0.00
14) 2,4,6-Tribromophenol	15.589	330	36052	6.062	ng		0.00
15) 2-Fluorobiphenyl	12.692	172	261776	4.903	ng		-0.01
27) Fluoranthene-d10	18.882	212	376792	5.313	ng		0.00
31) Terphenyl-d14	19.505	244	241874	4.949	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.074	88	43217	4.445	ng		94
3) n-Nitrosodimethylamine	3.371	42	53717	4.854	ng	#	97
6) bis(2-Chloroethyl)ether	6.881	93	112939	4.972	ng		98
9) Naphthalene	10.240	128	301970	4.954	ng		99
10) Hexachlorobutadiene	10.539	225	54229	4.722	ng	#	99
12) 2-Methylnaphthalene	11.869	142	204358	5.151	ng		98
16) Acenaphthylene	13.793	152	314757	5.601	ng		100
17) Acenaphthene	14.146	154	203453	5.048	ng		98
18) Fluorene	15.140	166	265939	5.028	ng		99
21) 4-Bromophenyl-phenylether	16.048	248	82958	5.250	ng	#	92
22) Hexachlorobenzene	16.147	284	89079	5.028	ng		99
23) Atrazine	16.334	200	71154	5.434	ng		97
25) Phenanthrene	16.880	178	412524	5.111	ng		100
26) Anthracene	16.967	178	376171	5.711	ng		100
28) Fluoranthene	18.915	202	493549	5.278	ng		99
30) Pyrene	19.282	202	510885	4.946	ng		100
32) Benzo(a)anthracene	21.041	228	412990	5.334	ng		99
33) Chrysene	21.095	228	461460	4.996	ng		100
34) Bis(2-ethylhexyl)phtha...	21.005	149	167044	5.180	ng	#	96
36) Indeno(1,2,3-cd)pyrene	25.273	276	473110	5.088	ng		99
37) Benzo(b)fluoranthene	22.560	252	460182	5.413	ng	#	92
38) Benzo(k)fluoranthene	22.601	252	461573	5.172	ng	#	88
39) Benzo(a)pyrene	23.095	252	382292	5.517	ng	#	87
40) Dibenzo(a,h)anthracene	25.291	278	371244	5.139	ng		96
41) Benzo(g,h,i)perylene	25.908	276	404439	4.985	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
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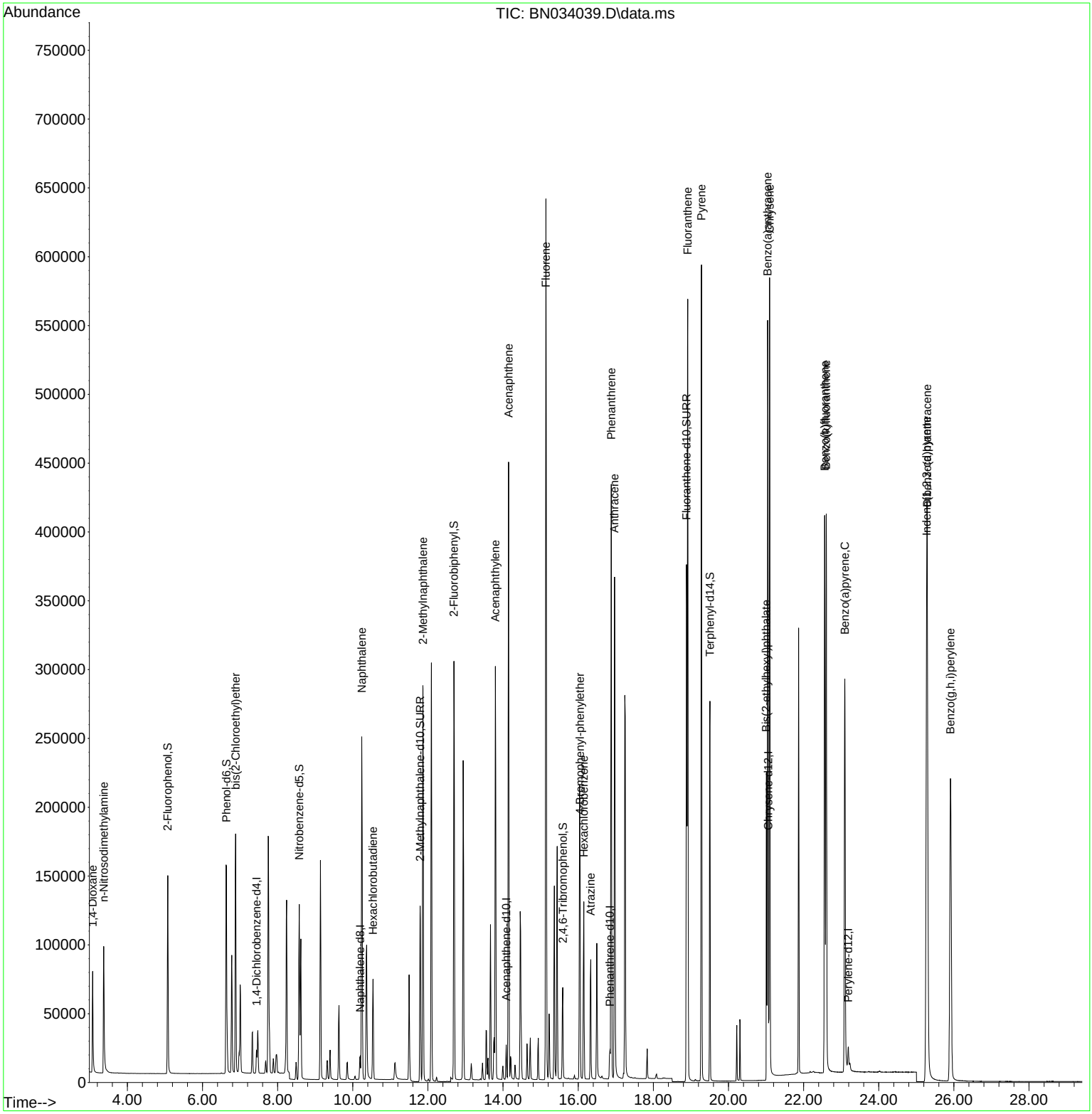
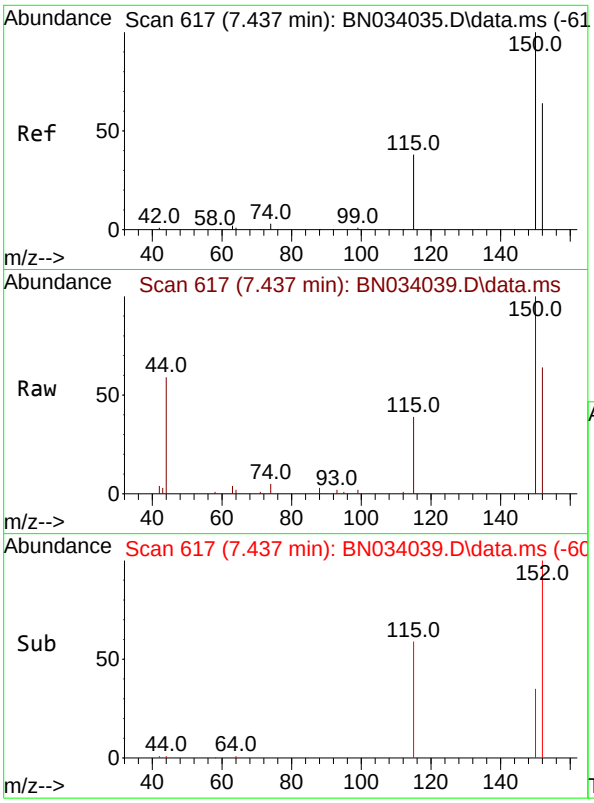
Operator : JU/RC
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 18 16:17:35 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



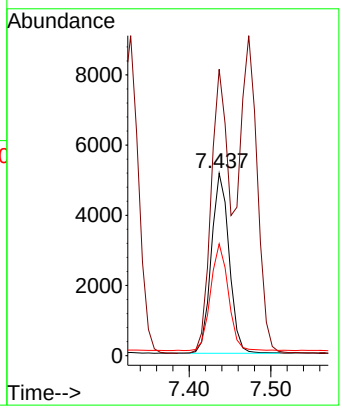


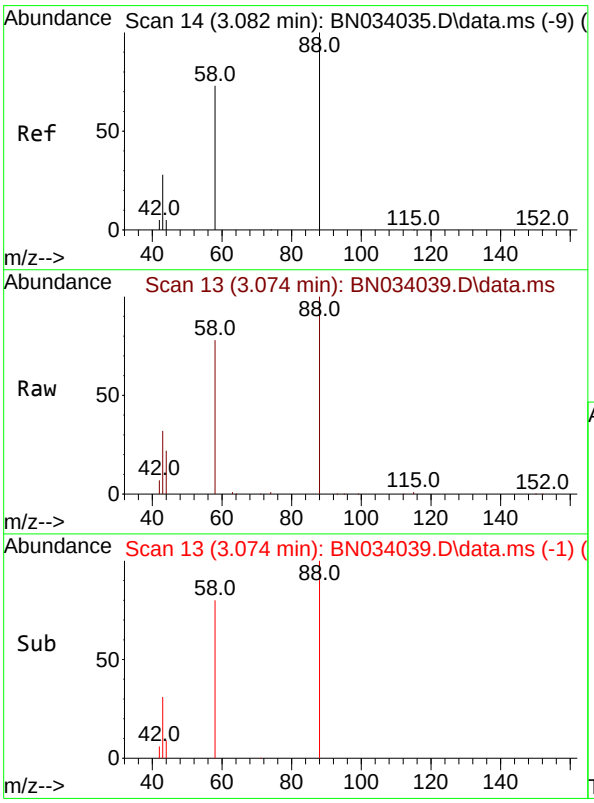
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.437 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 7777

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	187.0
115	61.3	50.0	75.0

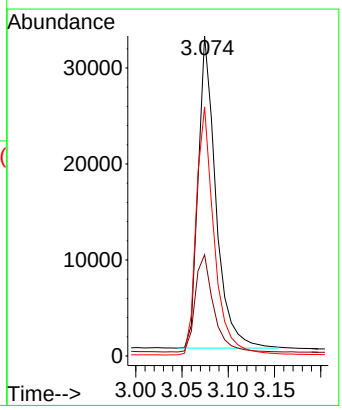


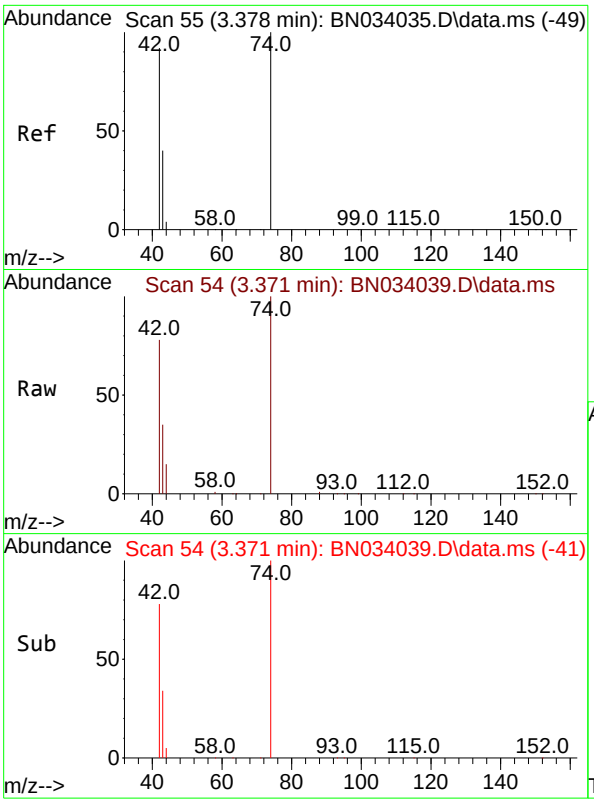


#2
1,4-Dioxane
Concen: 4.445 ng
RT: 3.074 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion: 88 Resp: 43217

Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.8	38.8
58	80.9	58.8	88.2



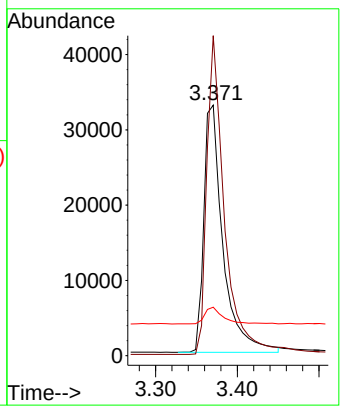


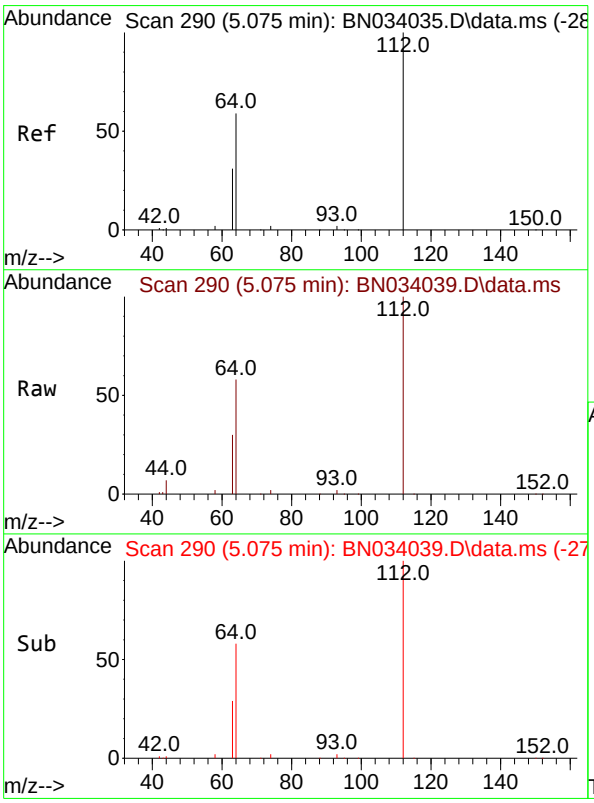
#3
n-Nitrosodimethylamine
Concen: 4.854 ng
RT: 3.371 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 53717

Ion	Ratio	Lower	Upper
42	100		
74	118.8	94.6	142.0
44	6.7	12.4	18.6#

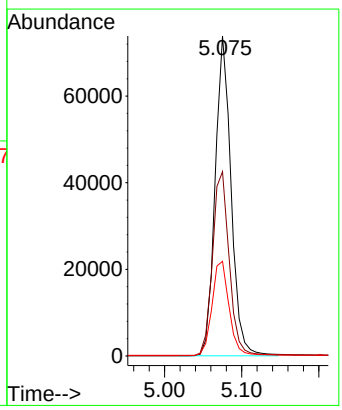


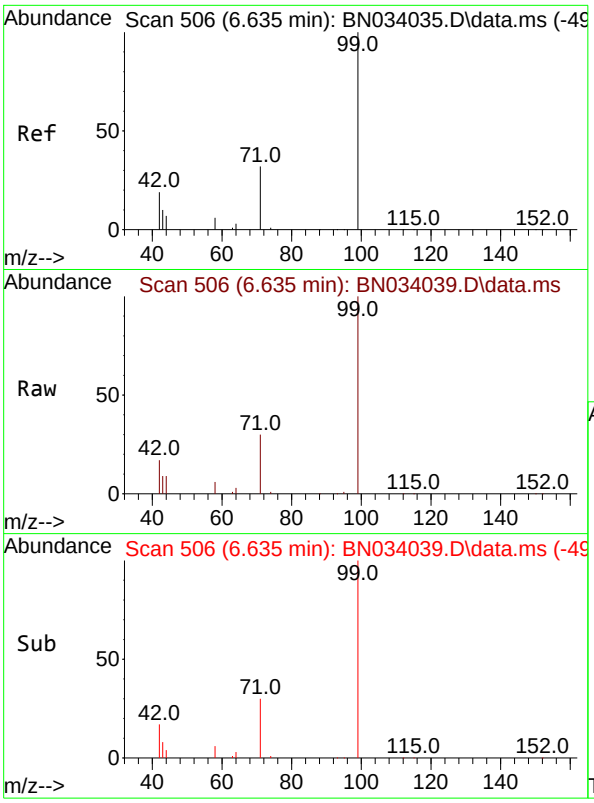


#4
2-Fluorophenol
Concen: 4.796 ng
RT: 5.075 min Scan# 290
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:112 Resp: 105855

Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.6	72.8
63	31.3	25.6	38.4



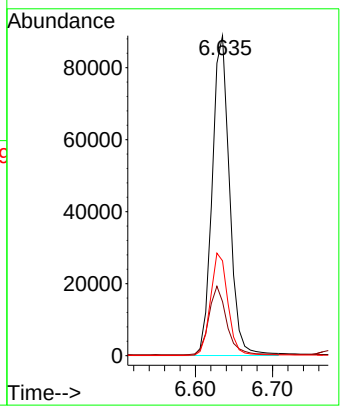


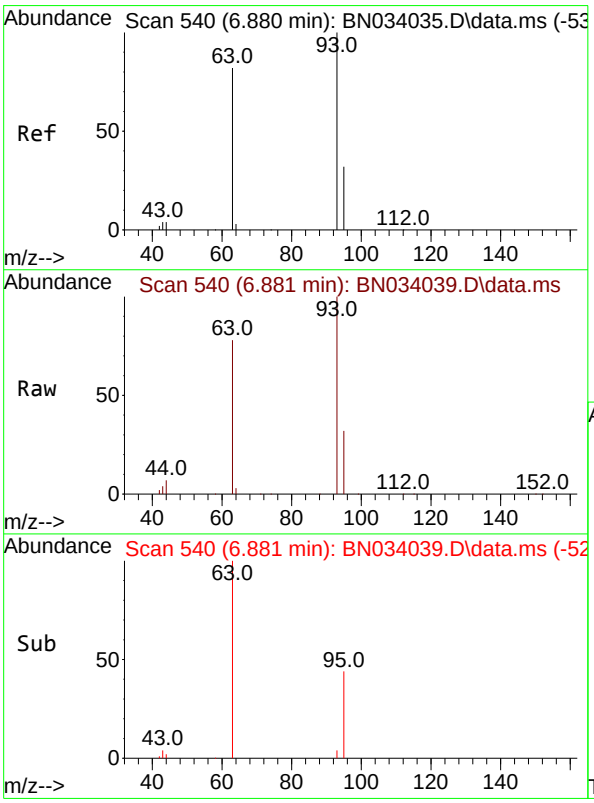
#5
Phenol-d6
Concen: 5.382 ng
RT: 6.635 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 138167

Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.8	26.8
71	32.2	26.2	39.2

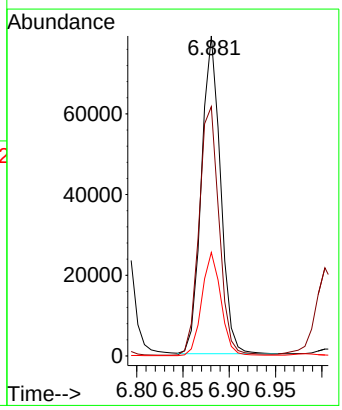


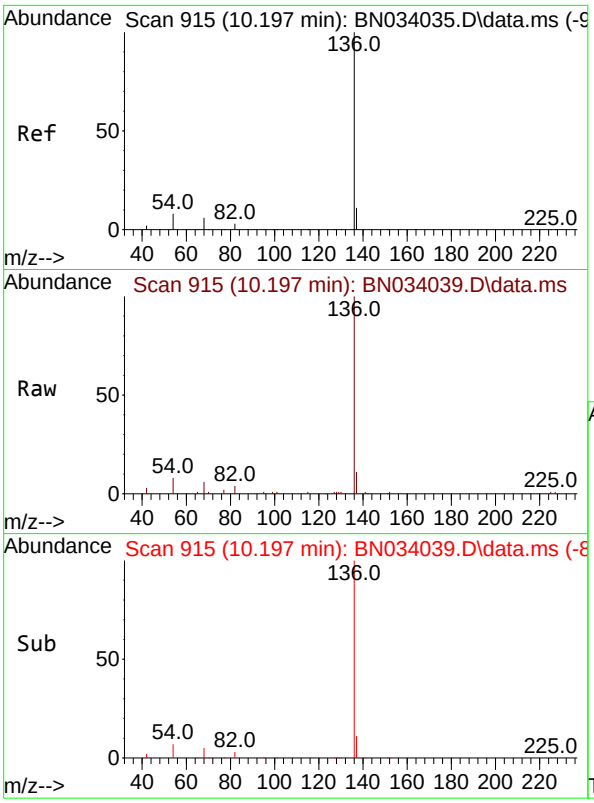


#6
bis(2-Chloroethyl)ether
Concen: 4.972 ng
RT: 6.881 min Scan# 540
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion: 93 Resp: 112939

Ion	Ratio	Lower	Upper
93	100		
63	82.0	67.3	100.9
95	32.5	26.8	40.2



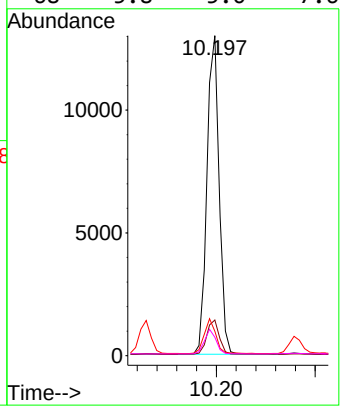


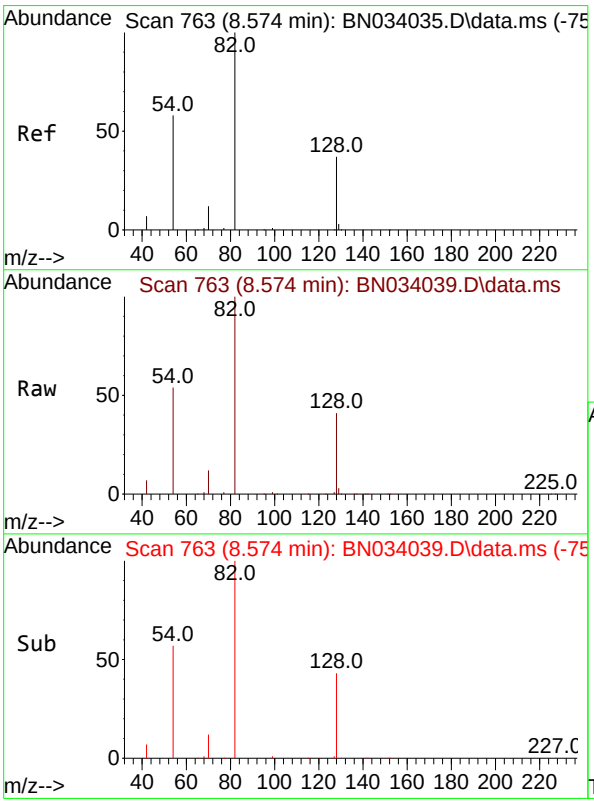
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.197 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 22212

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	7.7	6.8	10.2
68	5.8	5.0	7.6

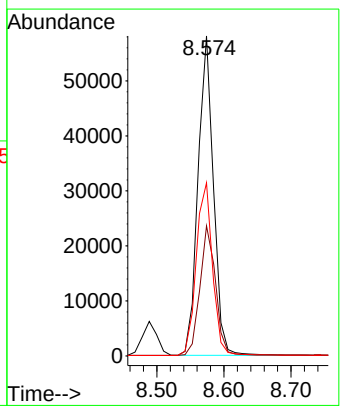


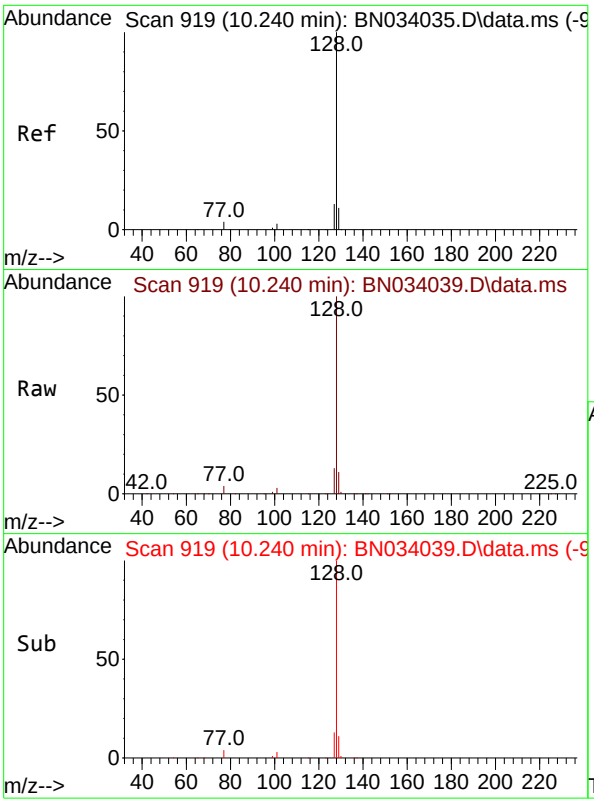


#8
Nitrobenzene-d5
Concen: 5.485 ng
RT: 8.574 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion: 82 Resp: 93192

Ion	Ratio	Lower	Upper
82	100		
128	40.7	31.4	47.2
54	54.1	47.4	71.0



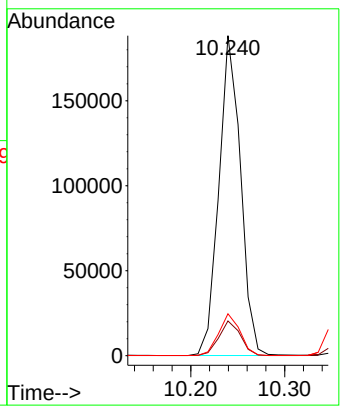


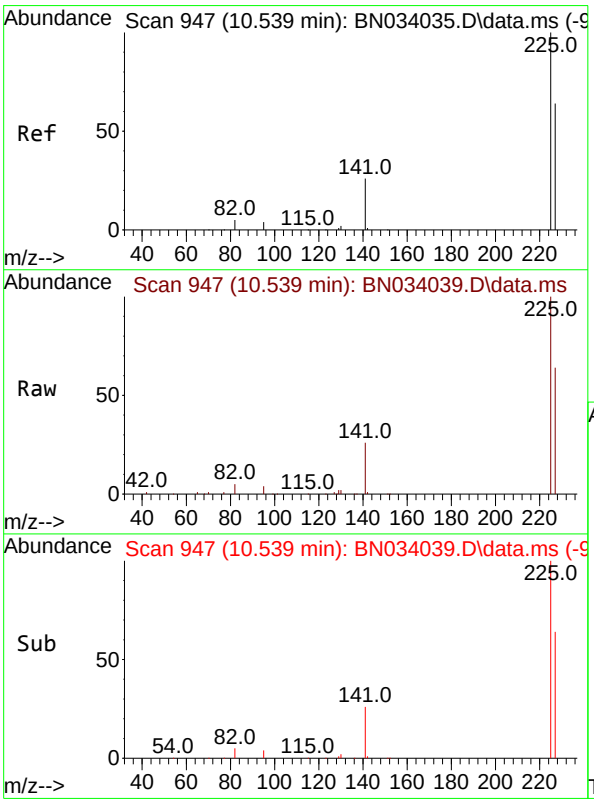
#9
Naphthalene
Concen: 4.954 ng
RT: 10.240 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 301970

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	13.1	10.7	16.1

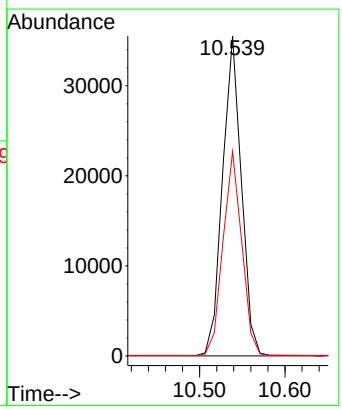


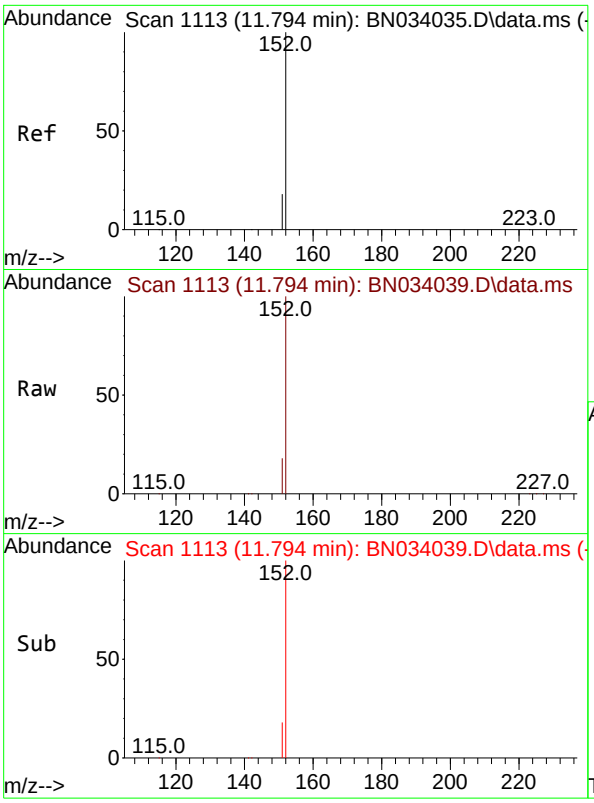


#10
Hexachlorobutadiene
Concen: 4.722 ng
RT: 10.539 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:225 Resp: 54229

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.5	75.7



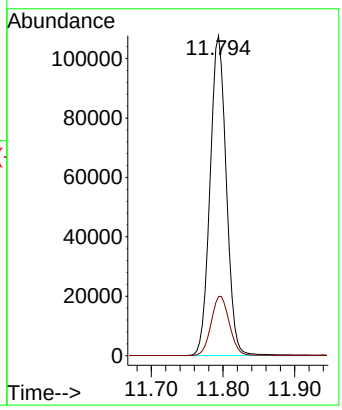


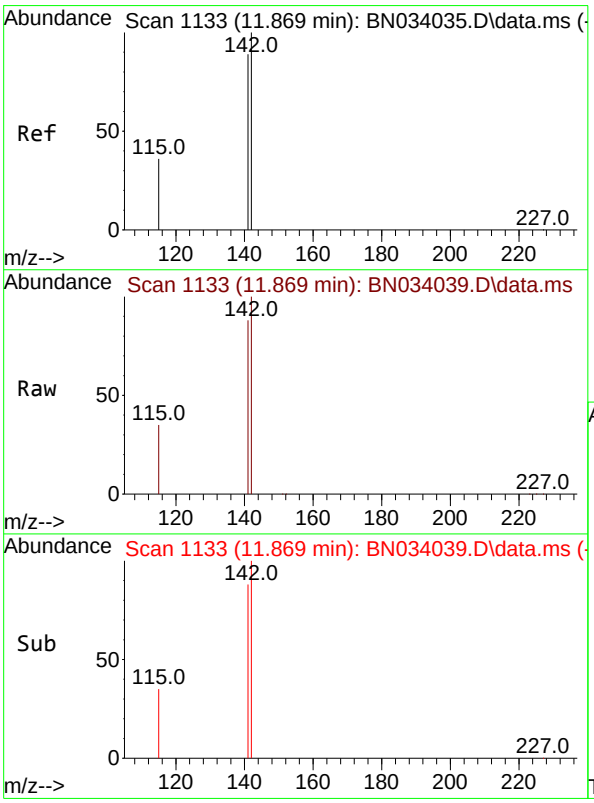
#11
2-Methylnaphthalene-d10
Concen: 5.166 ng
RT: 11.794 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 169448

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2

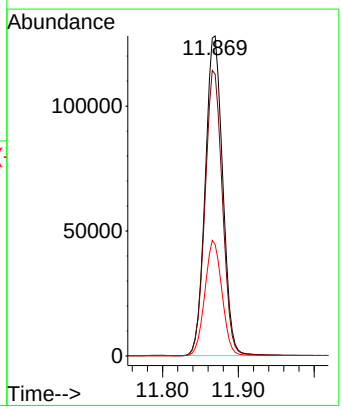


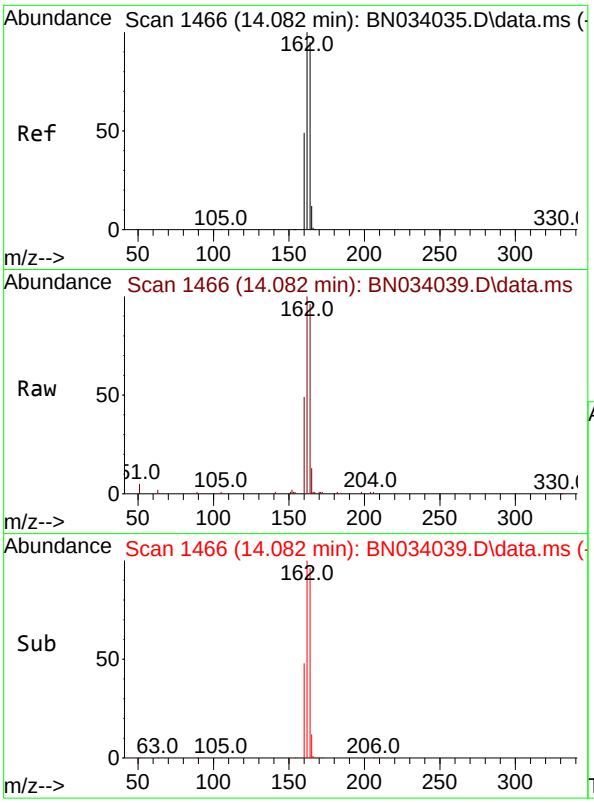


#12
2-Methylnaphthalene
Concen: 5.151 ng
RT: 11.869 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:142 Resp: 204358

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.6	107.4
115	34.9	30.0	45.0



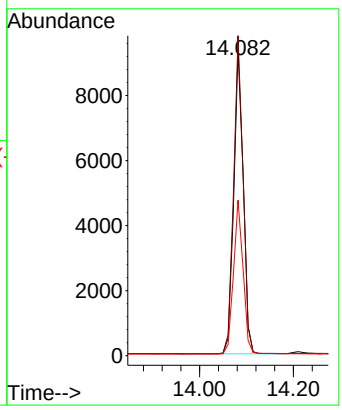


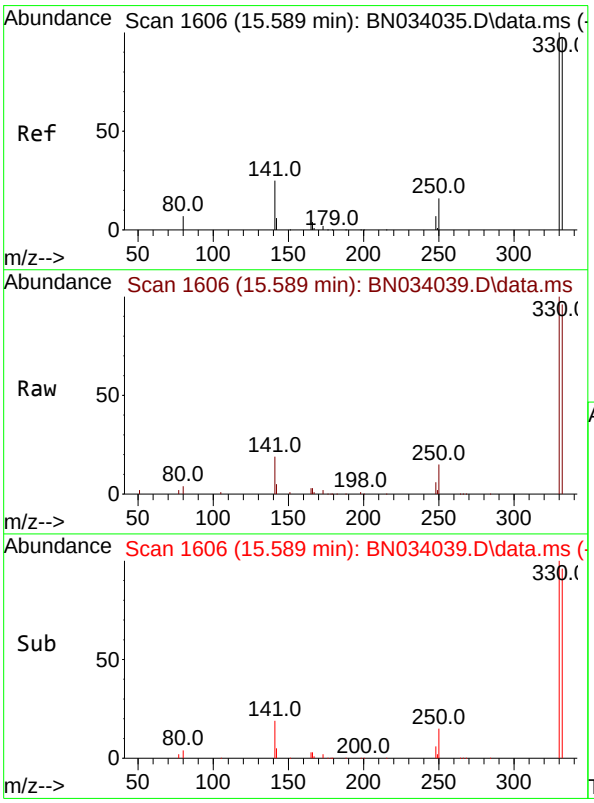
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.082 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 13128

Ion	Ratio	Lower	Upper
164	100		
162	104.6	84.2	126.2
160	50.9	41.7	62.5

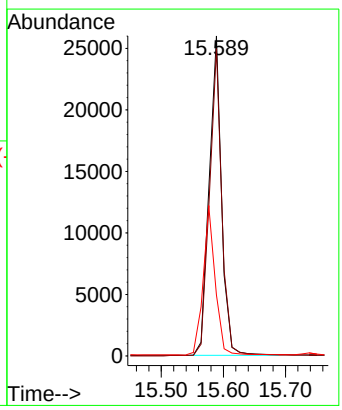


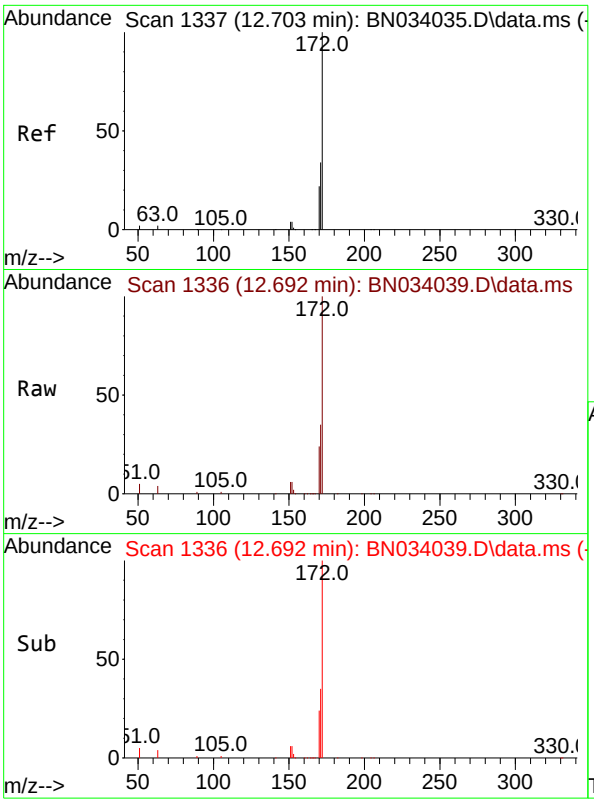


#14
2,4,6-Tribromophenol
Concen: 6.062 ng
RT: 15.589 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:330 Resp: 36052

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.4	116.0
141	45.4	35.9	53.9



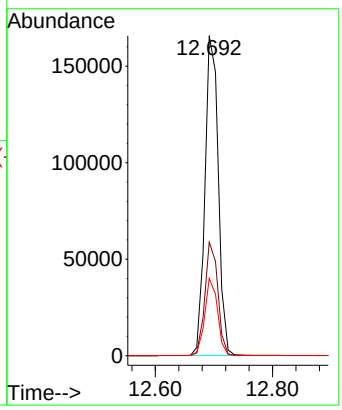


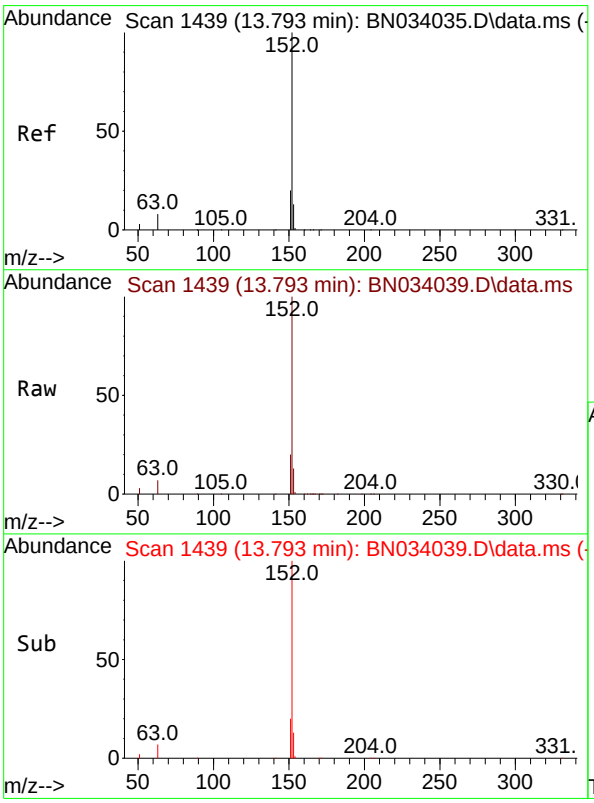
#15
2-Fluorobiphenyl
Concen: 4.903 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 261776

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.3	40.9
170	24.2	18.1	27.1

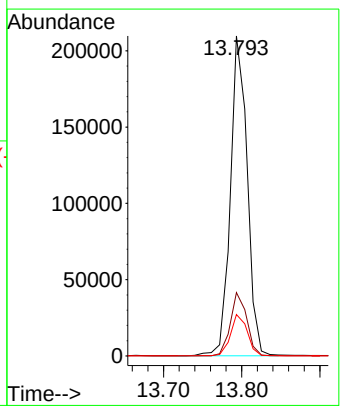


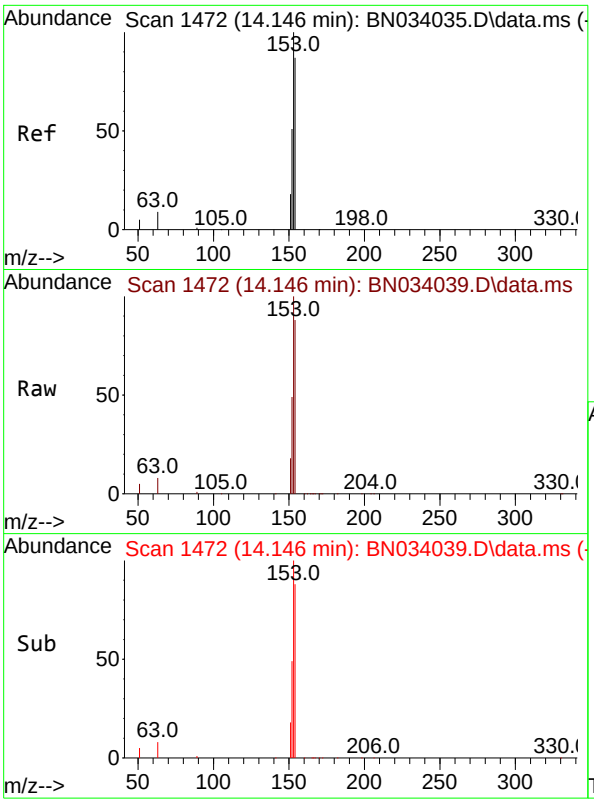


#16
Acenaphthylene
Concen: 5.601 ng
RT: 13.793 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:152 Resp: 314757

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	12.9	10.3	15.5



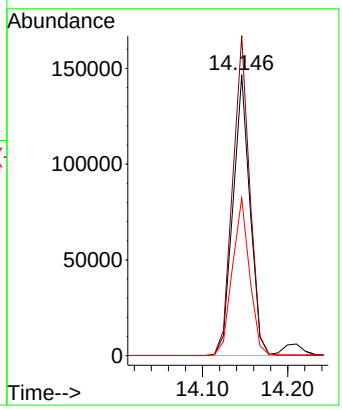


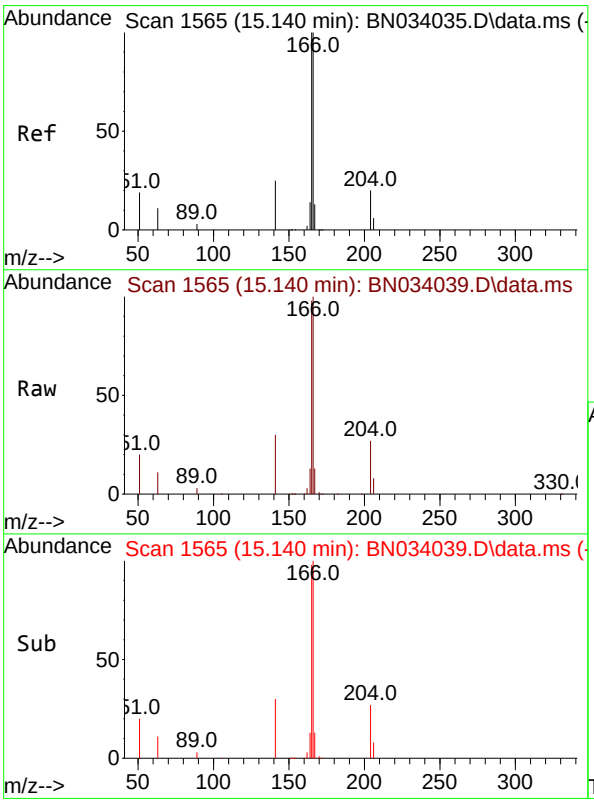
#17
Acenaphthene
Concen: 5.048 ng
RT: 14.146 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 203453

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.6	137.4
152	56.5	47.4	71.2

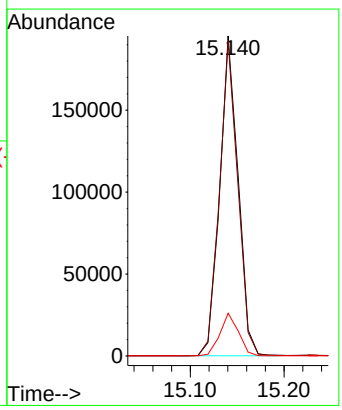


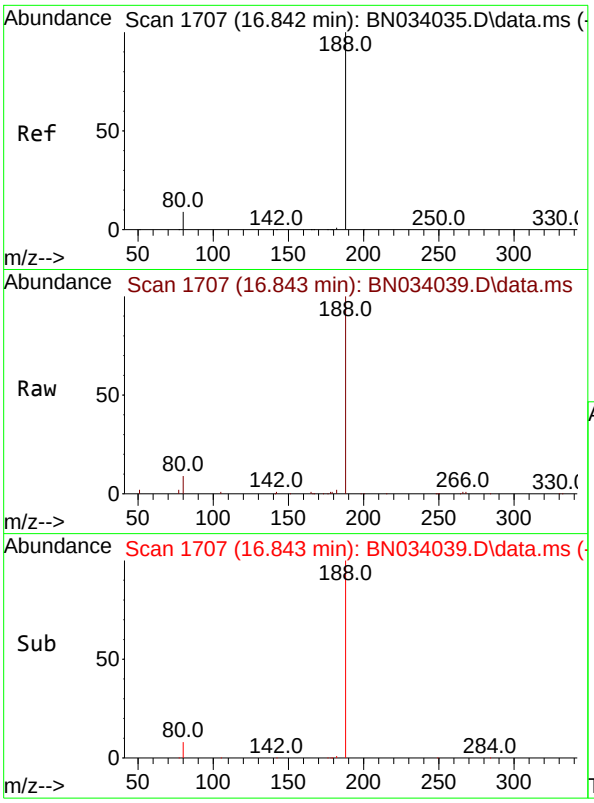


#18
Fluorene
Concen: 5.028 ng
RT: 15.140 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:166 Resp: 265939

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.1	118.7
167	13.5	10.6	15.8



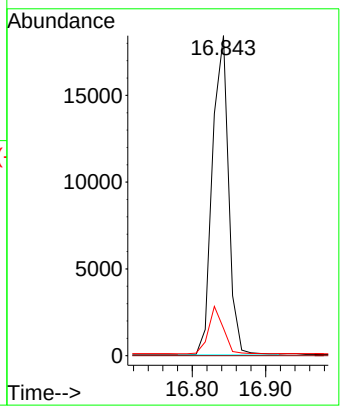


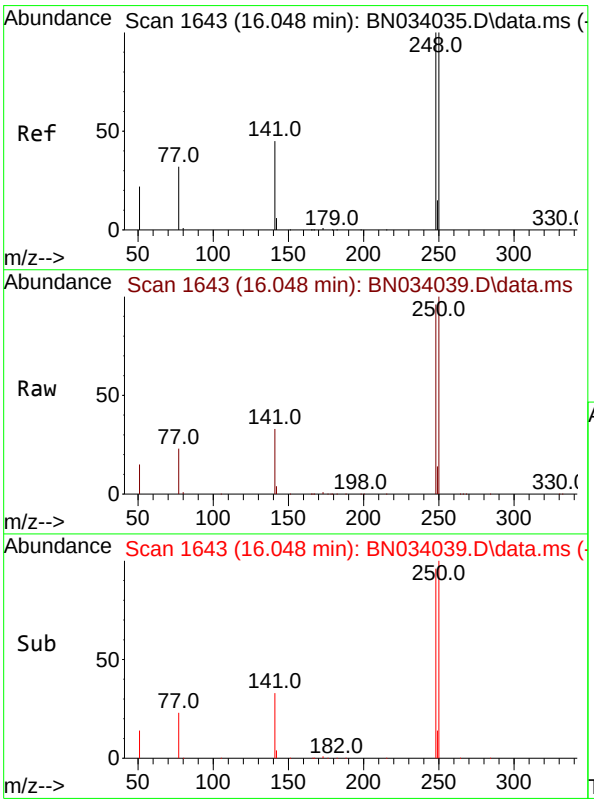
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.843 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 28109

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.0

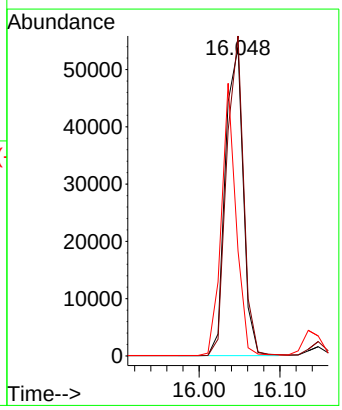


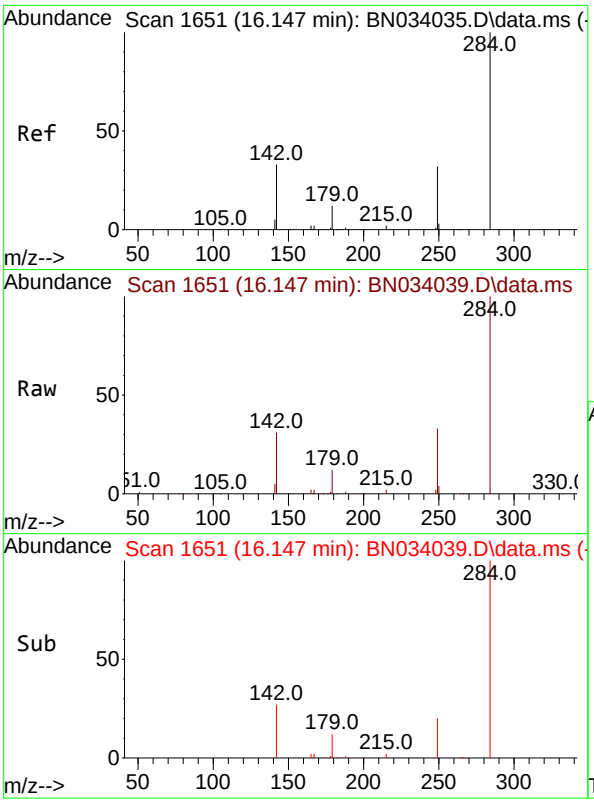


#21
4-Bromophenyl-phenylether
Concen: 5.250 ng
RT: 16.048 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:248 Resp: 82958

Ion	Ratio	Lower	Upper
248	100		
250	103.7	80.5	120.7
141	34.0	37.1	55.7#



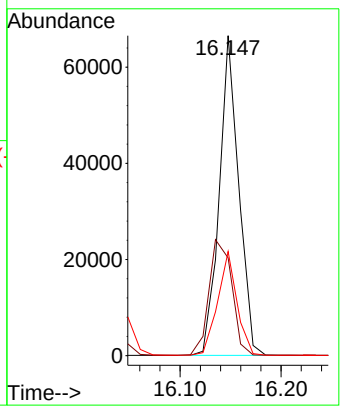


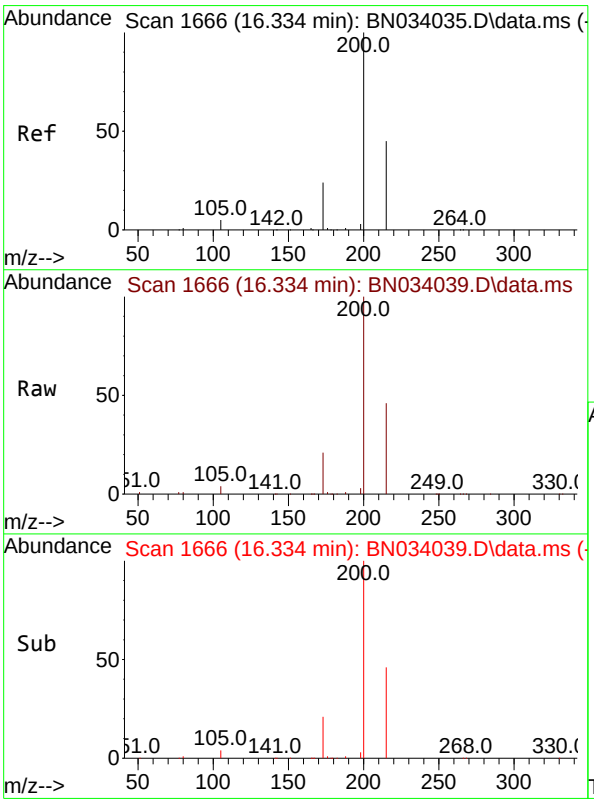
#22
Hexachlorobenzene
Concen: 5.028 ng
RT: 16.147 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 89079

Ion	Ratio	Lower	Upper
284	100		
142	42.4	34.5	51.7
249	32.1	25.8	38.6

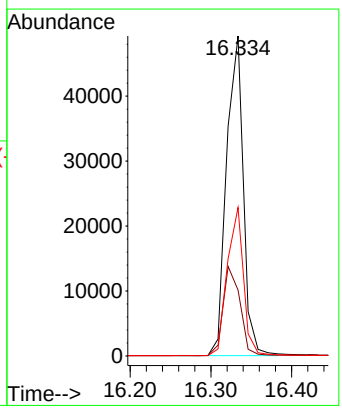


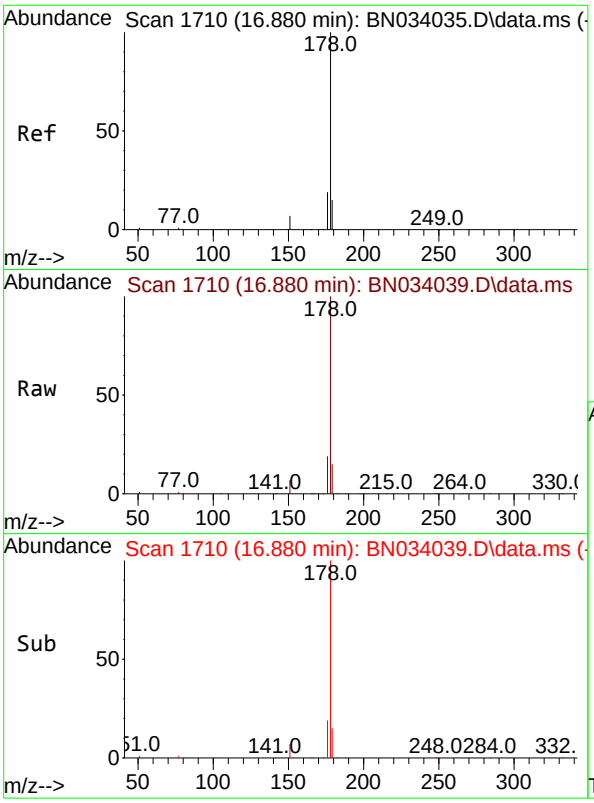


#23
Atrazine
Concen: 5.434 ng
RT: 16.334 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:200 Resp: 71154

Ion	Ratio	Lower	Upper
200	100		
173	20.6	20.1	30.1
215	46.4	37.0	55.6



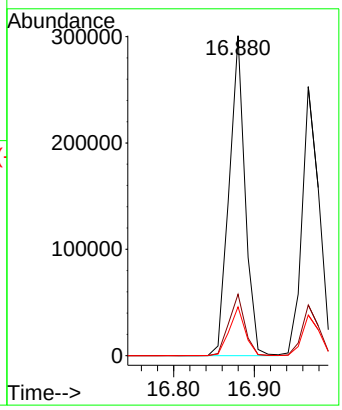


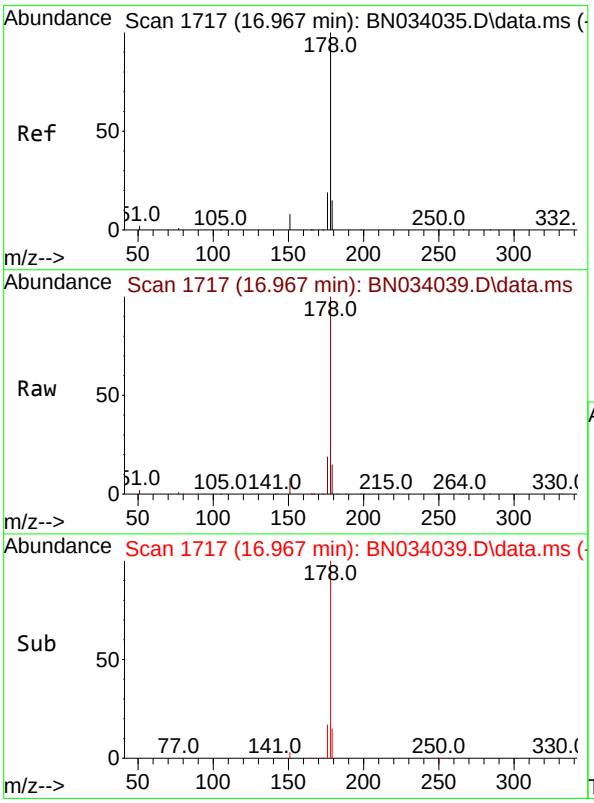
#25
Phenanthrene
Concen: 5.111 ng
RT: 16.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 412524

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.1	18.1

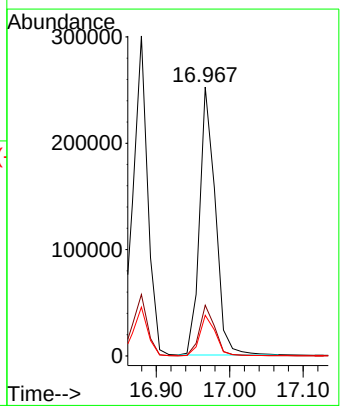


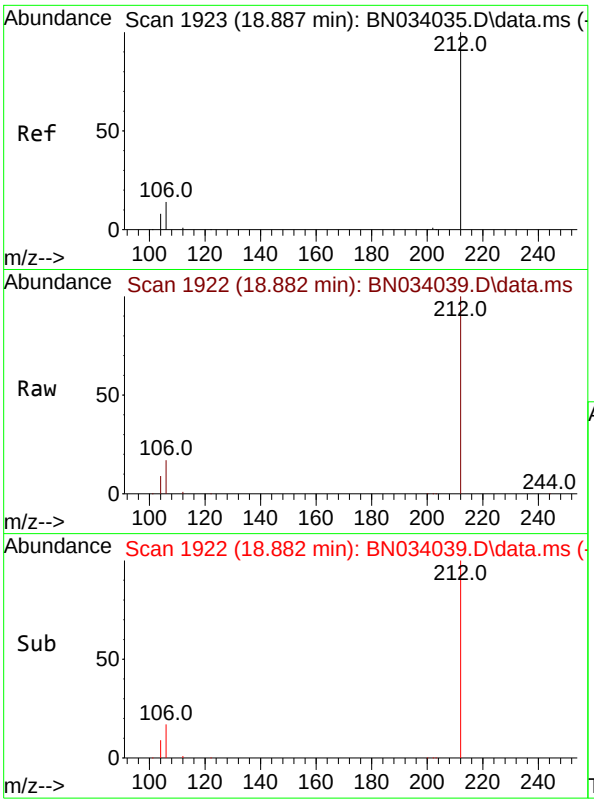


#26
Anthracene
Concen: 5.711 ng
RT: 16.967 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:178 Resp: 376171

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.2	12.2	18.4



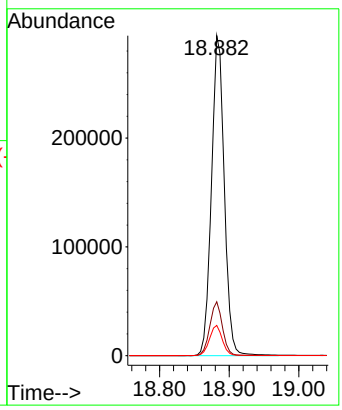


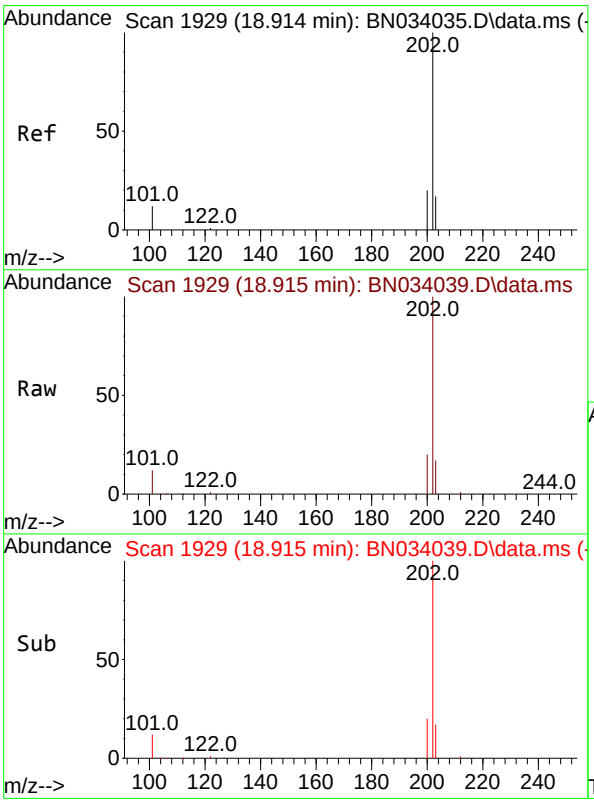
#27
Fluoranthene-d10
Concen: 5.313 ng
RT: 18.882 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 376792

Ion	Ratio	Lower	Upper
212	100		
106	16.6	13.4	20.2
104	9.4	7.8	11.6

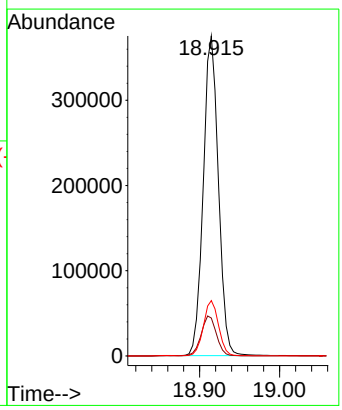


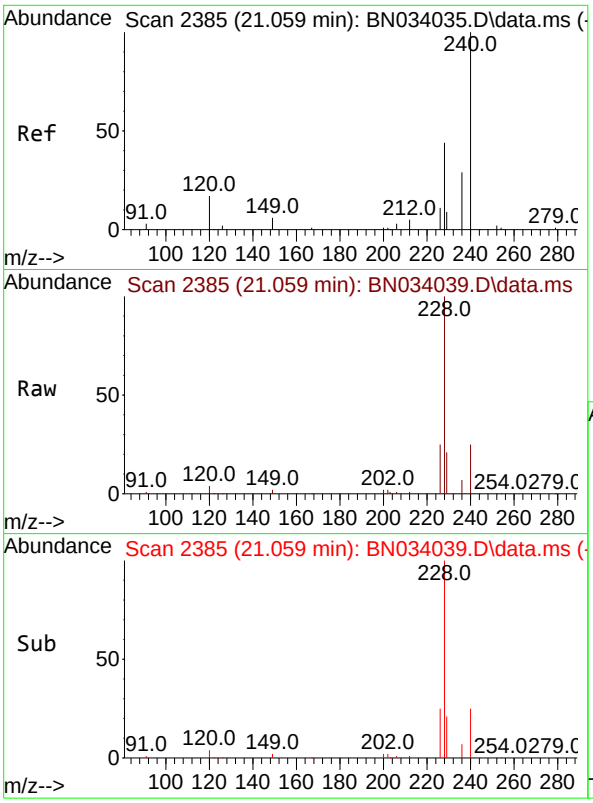


#28
Fluoranthene
Concen: 5.278 ng
RT: 18.915 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:202 Resp: 493549

Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.1	15.1
203	17.3	13.6	20.4



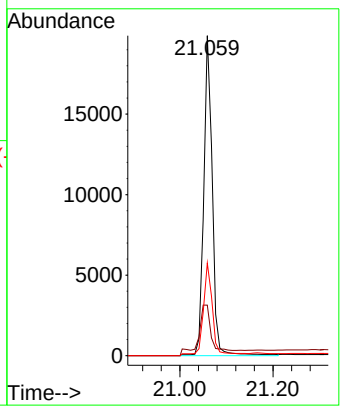


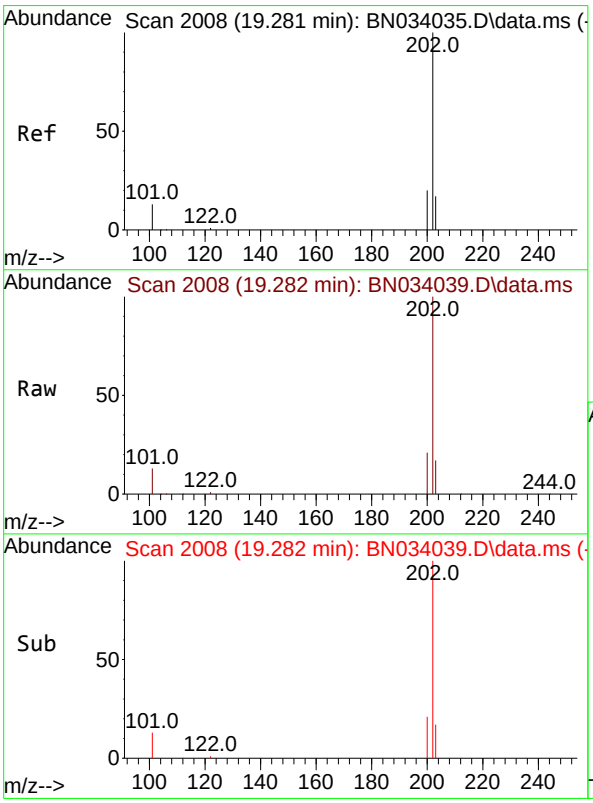
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.059 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 24472

Ion	Ratio	Lower	Upper
240	100		
120	15.8	13.5	20.3
236	29.0	23.4	35.0

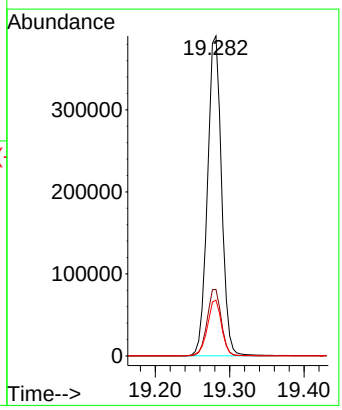


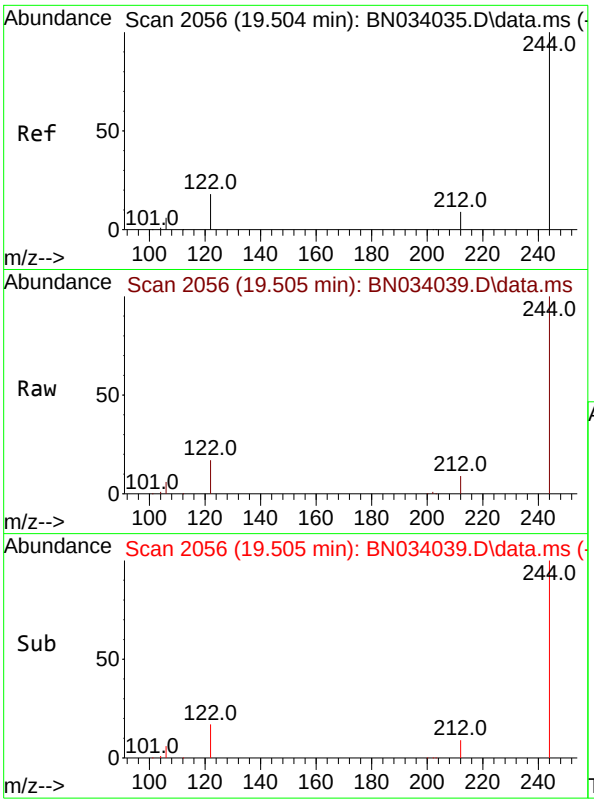


#30
Pyrene
Concen: 4.946 ng
RT: 19.282 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:202 Resp: 510885

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.8	14.3	21.5



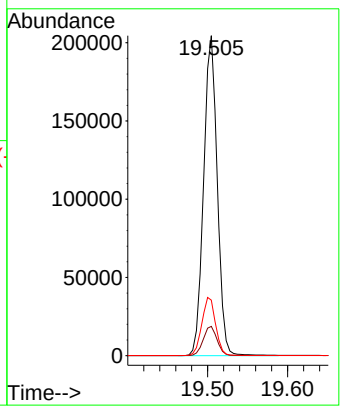


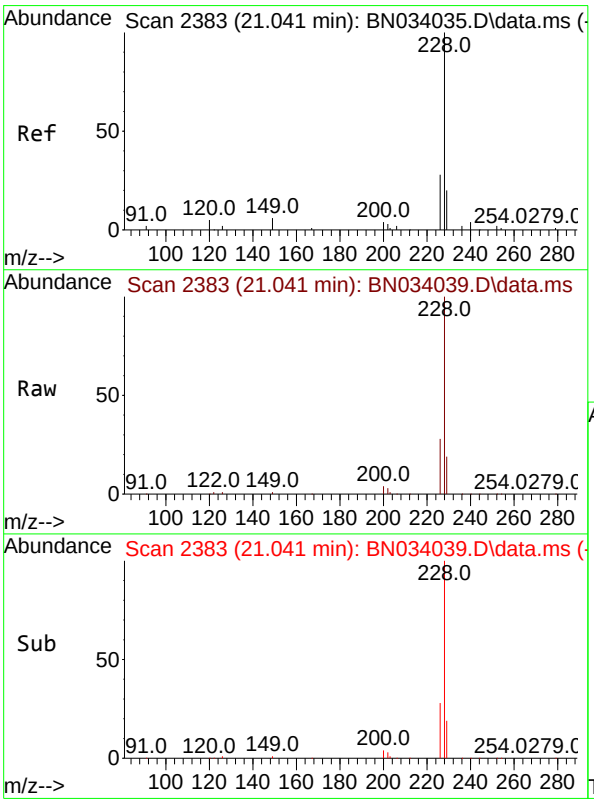
#31
Terphenyl-d14
Concen: 4.949 ng
RT: 19.505 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 241874

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.8	11.6
122	17.4	14.8	22.2

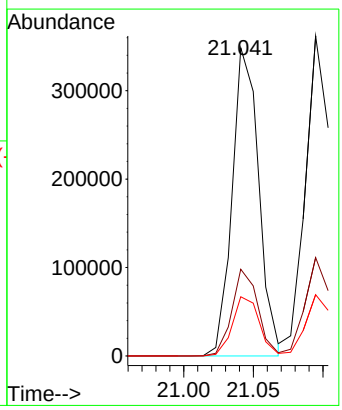


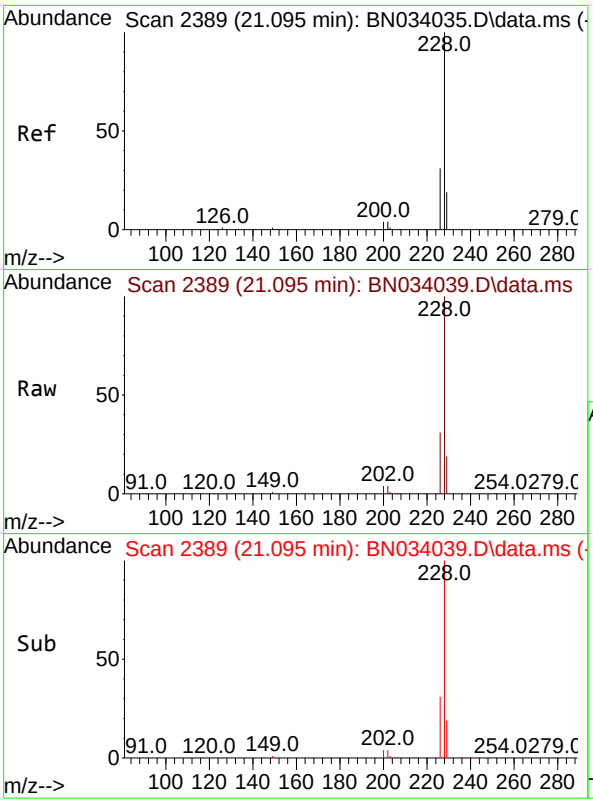


#32
Benzo(a)anthracene
Concen: 5.334 ng
RT: 21.041 min Scan# 2383
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:228 Resp: 412990

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	19.2	15.7	23.5



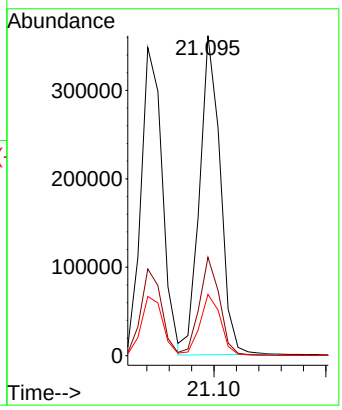


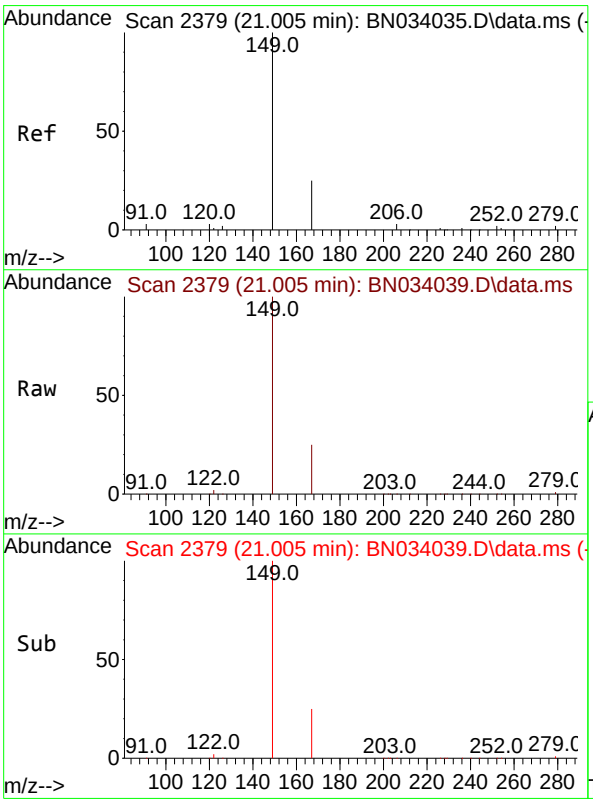
#33
Chrysene
Concen: 4.996 ng
RT: 21.095 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 461460

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	19.2	15.5	23.3

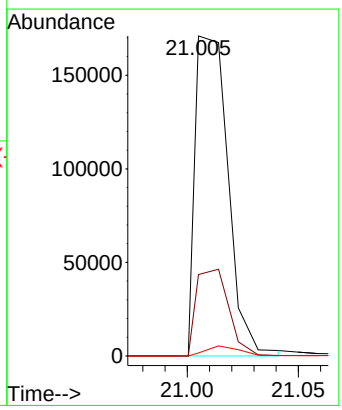


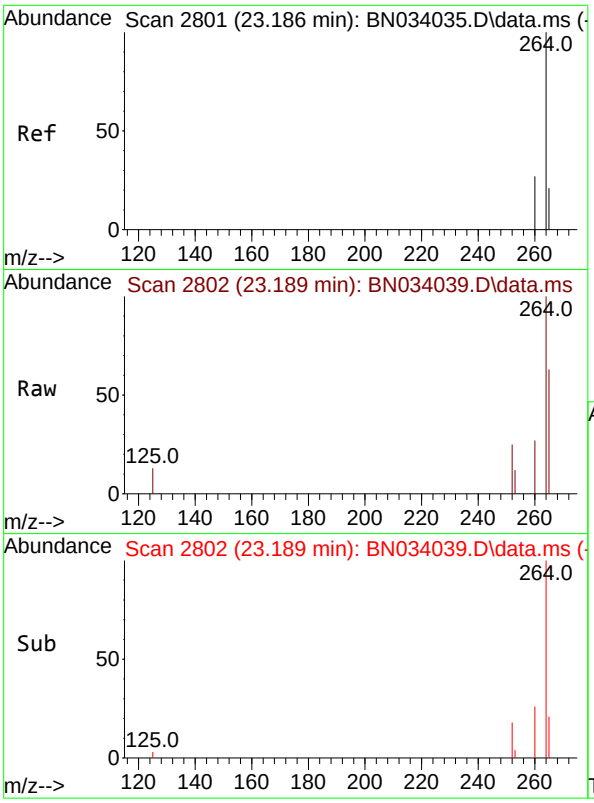


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.180 ng
RT: 21.005 min Scan# 2379
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:149 Resp: 167044

Ion	Ratio	Lower	Upper
149	100		
167	26.5	19.9	29.9
279	3.0	4.6	6.8#



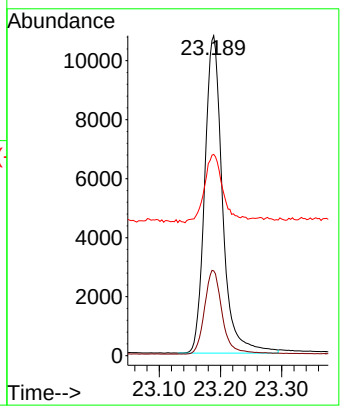


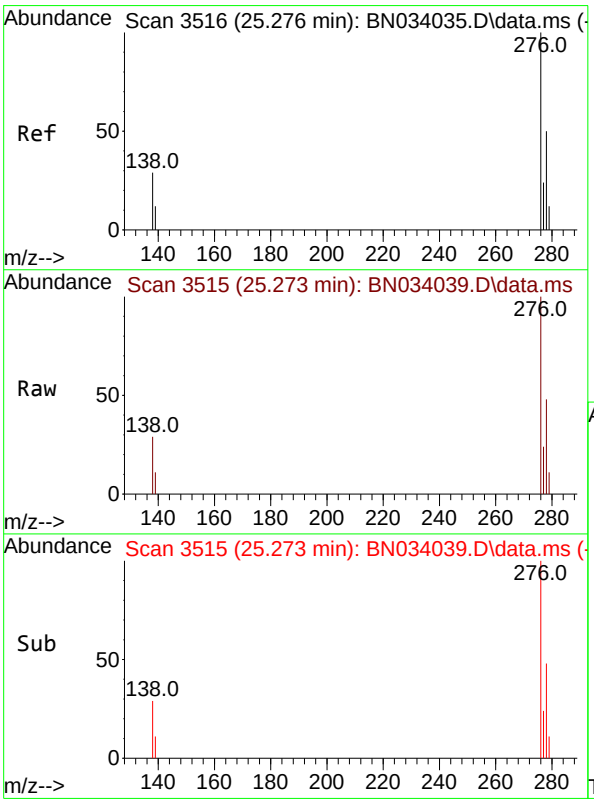
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.189 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 21702

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.7	32.5
265	62.9	52.1	78.1

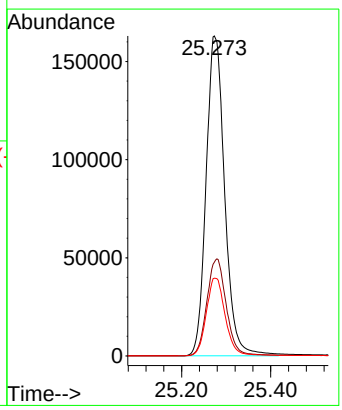


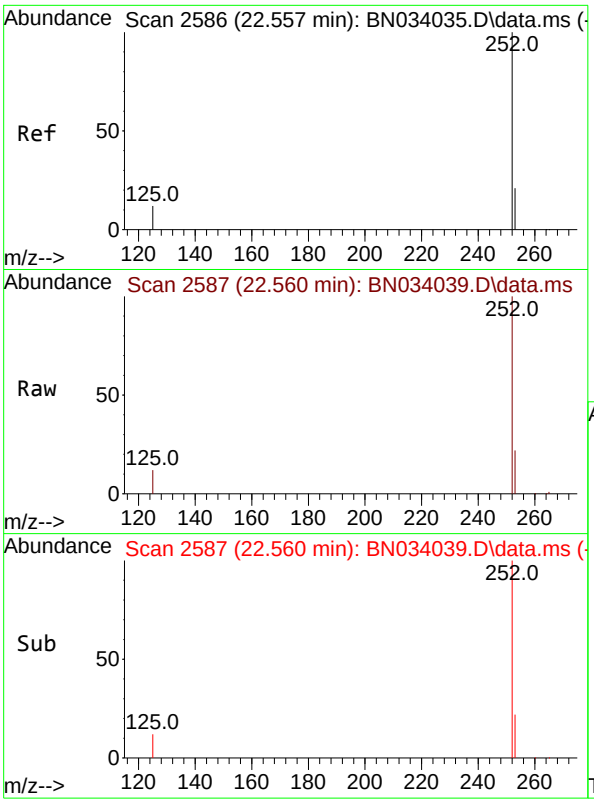


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.088 ng
RT: 25.273 min Scan# 3515
Delta R.T. -0.003 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:276 Resp: 473110

Ion	Ratio	Lower	Upper
276	100		
138	31.6	25.9	38.9
277	24.7	19.7	29.5



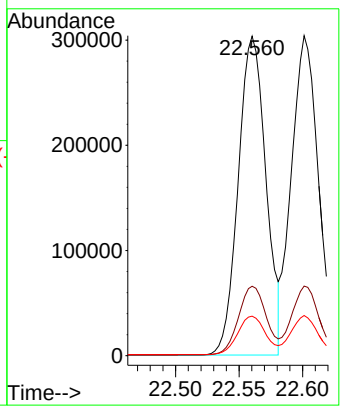


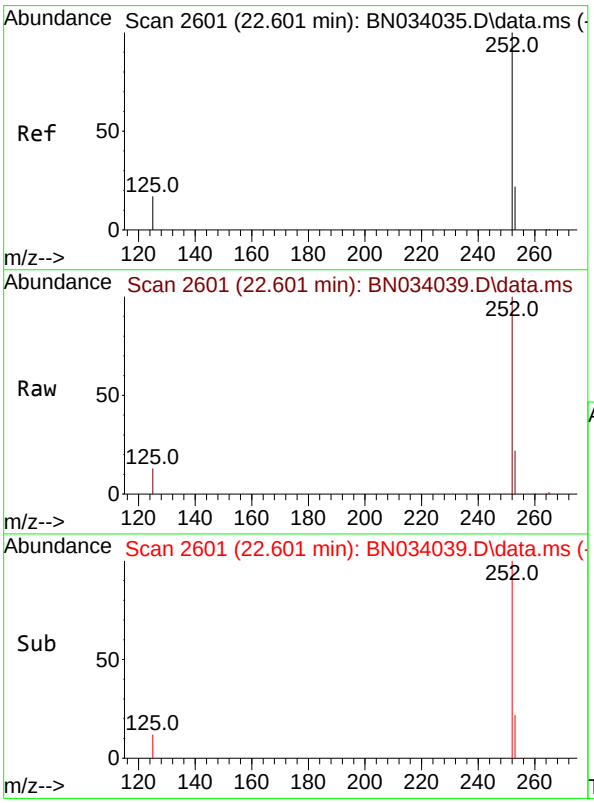
#37
Benzo(b)fluoranthene
Concen: 5.413 ng
RT: 22.560 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 460182

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.6	29.4
125	12.3	13.8	20.8#

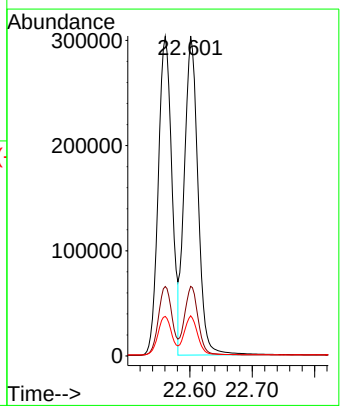


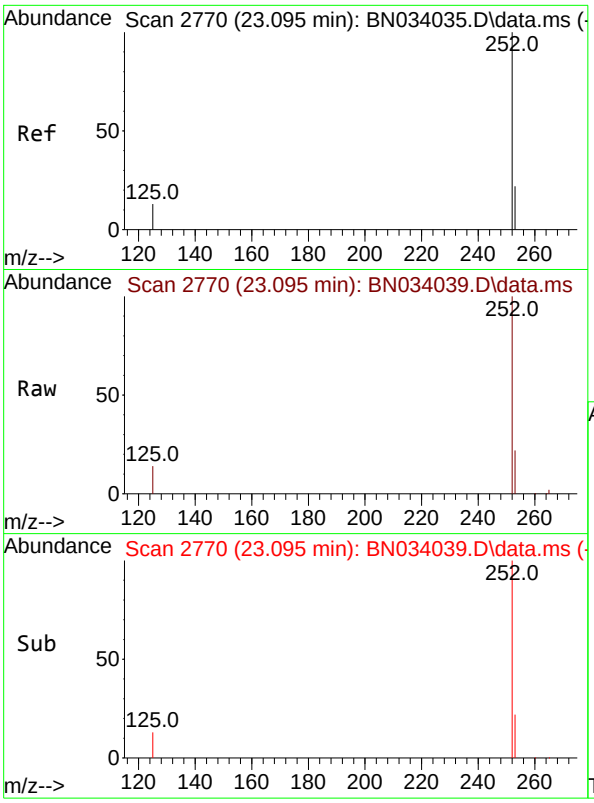


#38
Benzo(k)fluoranthene
Concen: 5.172 ng
RT: 22.601 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:252 Resp: 461573

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.1	30.1
125	12.5	16.8	25.2#



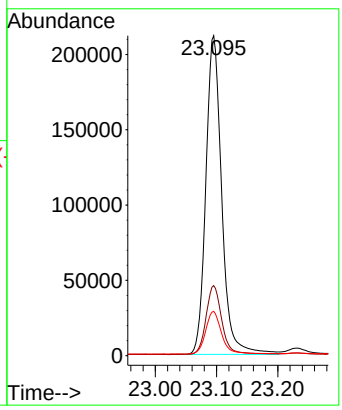


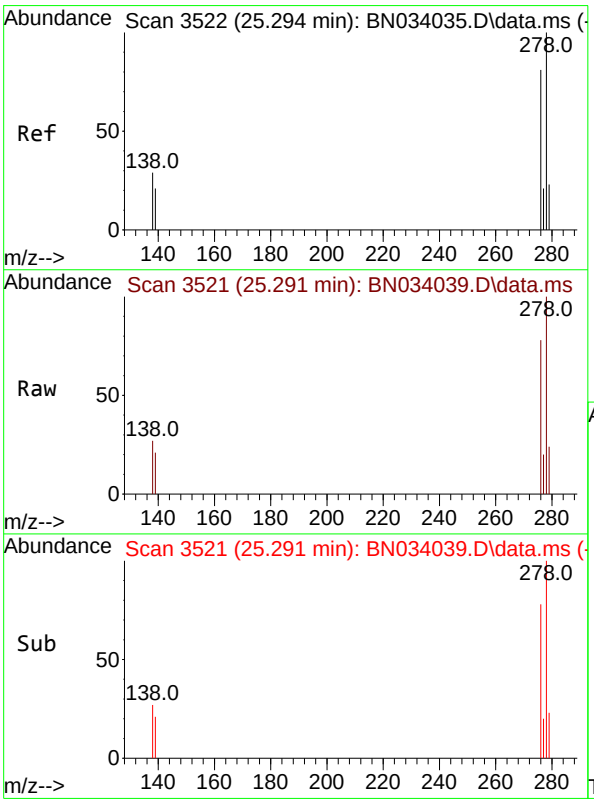
#39
Benzo(a)pyrene
Concen: 5.517 ng
RT: 23.095 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 382292

Ion	Ratio	Lower	Upper
252	100		
253	21.9	21.8	32.8
125	13.9	17.5	26.3#

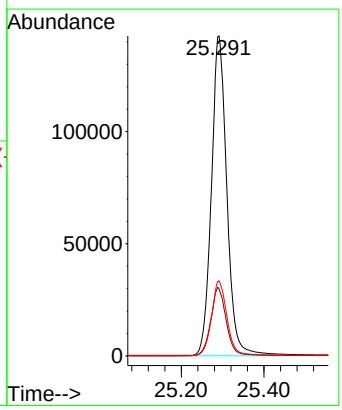


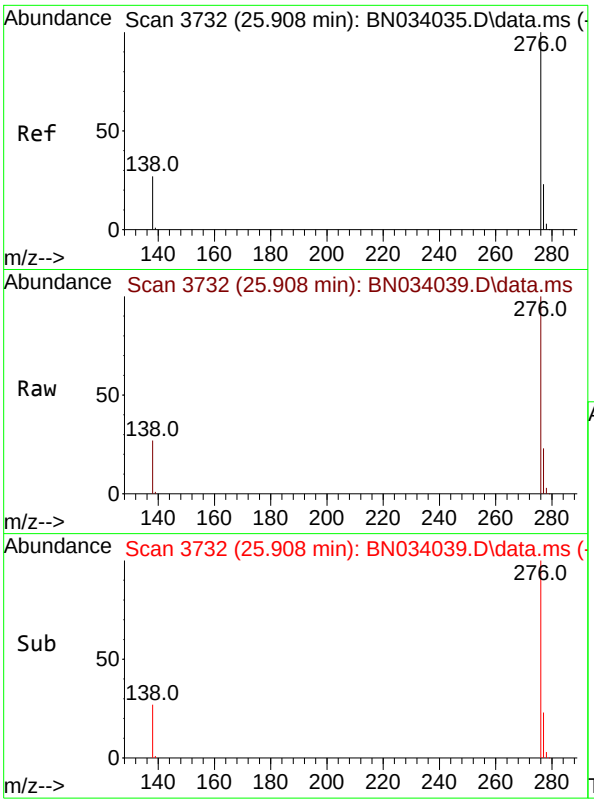


#40
Dibenzo(a,h)anthracene
Concen: 5.139 ng
RT: 25.291 min Scan# 3521
Delta R.T. -0.003 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Tgt Ion:278 Resp: 371244

Ion	Ratio	Lower	Upper
278	100		
139	21.0	17.8	26.8
279	23.5	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 4.985 ng
RT: 25.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN034039.D
Acq: 18 Sep 2024 15:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 404439

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	27.0	22.6	34.0