Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081024\
Data File : BN033334.D
Acq On : 10 Aug 2024 13:40
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Aug 12 01:00:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 12 00:59:25 2024
Response via : Initial Calibration

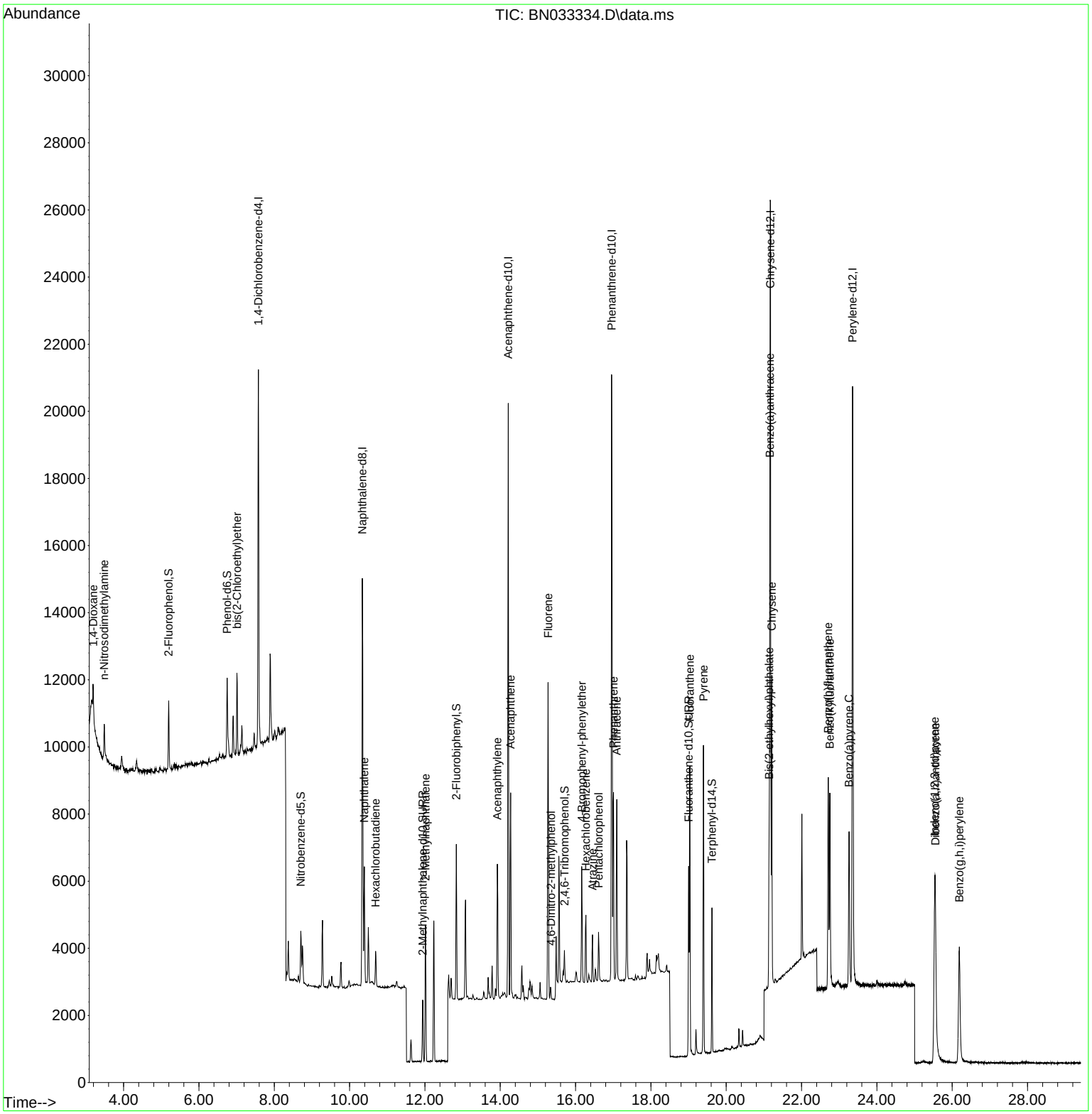
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.580	152	5269	0.400	ng		0.00
7) Naphthalene-d8	10.338	136	15510	0.400	ng		0.00
13) Acenaphthene-d10	14.212	164	9264	0.400	ng		0.00
19) Phenanthrene-d10	16.958	188	23040	0.400	ng		0.00
29) Chrysene-d12	21.174	240	20123	0.400	ng	#	0.00
35) Perylene-d12	23.355	264	22159	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.197	112	1581	0.114	ng		0.00
5) Phenol-d6	6.749	99	2097	0.111	ng		0.00
8) Nitrobenzene-d5	8.704	82	1200	0.127	ng		0.00
11) 2-Methylnaphthalene-d10	11.940	152	2381	0.099	ng		0.00
14) 2,4,6-Tribromophenol	15.704	330	495	0.132	ng		0.00
15) 2-Fluorobiphenyl	12.833	172	3792	0.109	ng		0.00
27) Fluoranthene-d10	19.002	212	5960	0.094	ng		0.00
31) Terphenyl-d14	19.620	244	3894	0.112	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	677	0.116	ng	#	89
3) n-Nitrosodimethylamine	3.485	42	779	0.105	ng	#	92
6) bis(2-Chloroethyl)ether	7.009	93	1639	0.101	ng		98
9) Naphthalene	10.391	128	4274	0.098	ng		95
10) Hexachlorobutadiene	10.690	225	834	0.104	ng	#	98
12) 2-Methylnaphthalene	12.015	142	2852	0.095	ng		94
16) Acenaphthylene	13.924	152	4163	0.092	ng		99
17) Acenaphthene	14.276	154	2894	0.101	ng		98
18) Fluorene	15.271	166	3817	0.100	ng		99
20) 4,6-Dinitro-2-methylph...	15.346	198	243	0.147	ng	#	1
21) 4-Bromophenyl-phenylether	16.164	248	1365	0.098	ng		96
22) Hexachlorobenzene	16.275	284	1520	0.103	ng		99
23) Atrazine	16.449	200	1073	0.093	ng	#	93
24) Pentachlorophenol	16.611	266	684	0.133	ng		97
25) Phenanthrene	17.008	178	6521	0.098	ng		99
26) Anthracene	17.095	178	5483	0.085	ng		99
28) Fluoranthene	19.035	202	7654	0.091	ng		100
30) Pyrene	19.397	202	8085	0.102	ng		100
32) Benzo(a)anthracene	21.157	228	7613	0.097	ng		99
33) Chrysene	21.210	228	7565	0.100	ng		98
34) Bis(2-ethylhexyl)phtha...	21.139	149	3895	0.096	ng		97
36) Indeno(1,2,3-cd)pyrene	25.536	276	8143	0.084	ng		99
37) Benzo(b)fluoranthene	22.709	252	7729	0.094	ng	#	89
38) Benzo(k)fluoranthene	22.753	252	7776	0.097	ng	#	89
39) Benzo(a)pyrene	23.261	252	6639	0.091	ng	#	86
40) Dibenzo(a,h)anthracene	25.553	278	6243	0.082	ng		92
41) Benzo(g,h,i)perylene	26.188	276	7216	0.087	ng		95

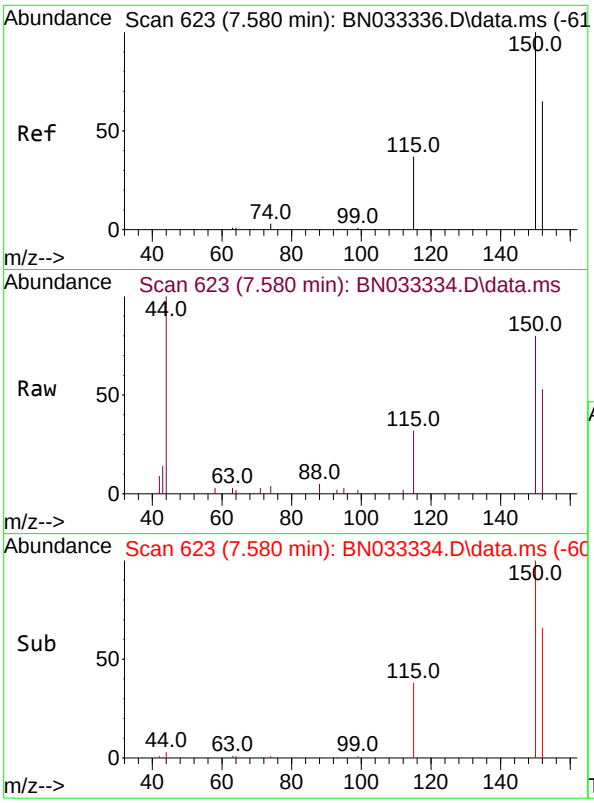
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081024\
Data File : BN033334.D
Acq On : 10 Aug 2024 13:40
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Aug 12 01:00:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 12 00:59:25 2024
Response via : Initial Calibration



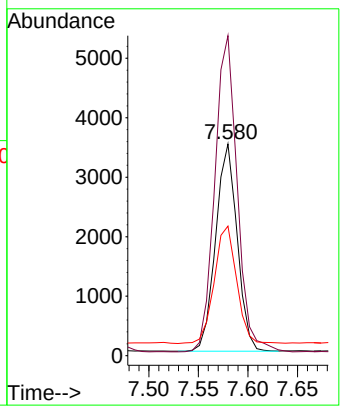


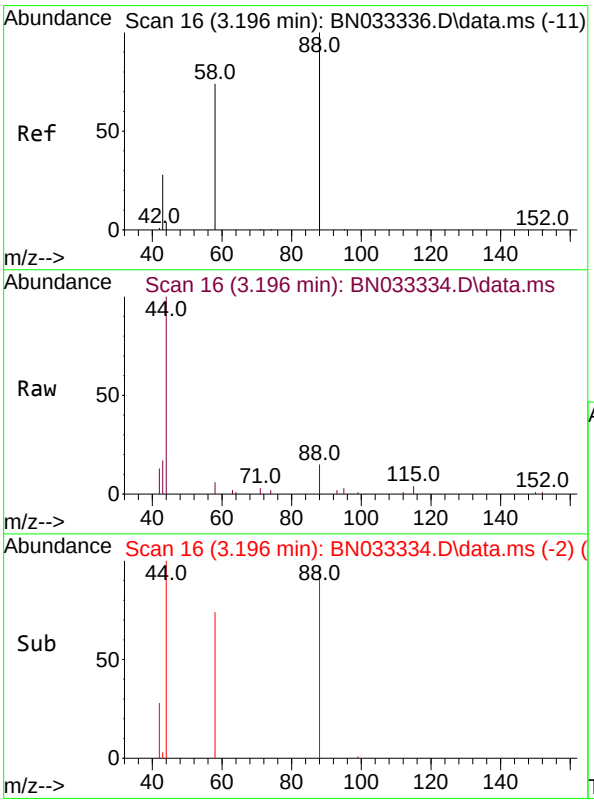
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.580 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 5269

Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.3	183.5
115	61.2	48.8	73.2

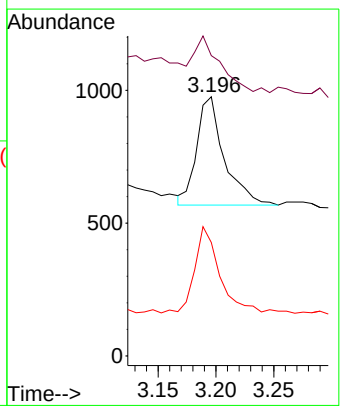


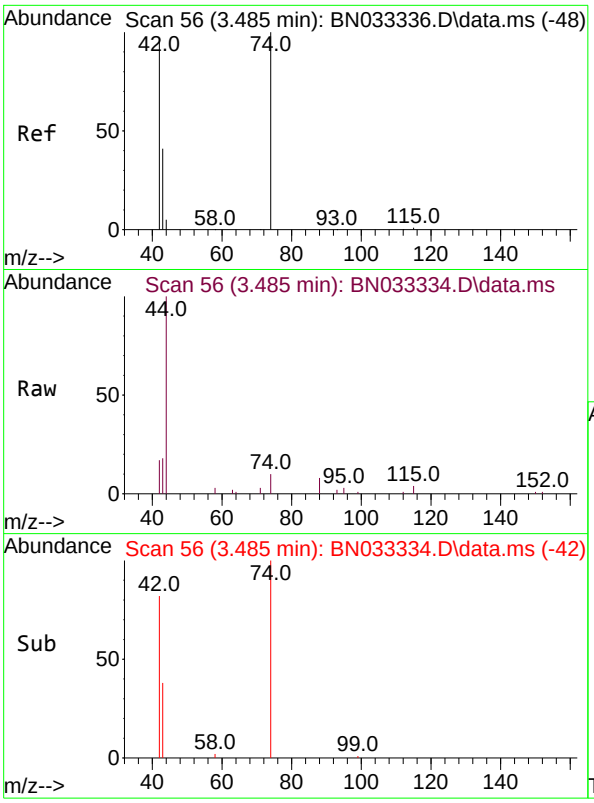


#2
1,4-Dioxane
Concen: 0.116 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion: 88 Resp: 677

Ion	Ratio	Lower	Upper
88	100		
43	49.8	30.6	46.0#
58	73.9	64.5	96.7



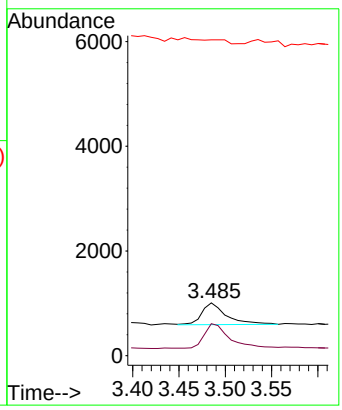


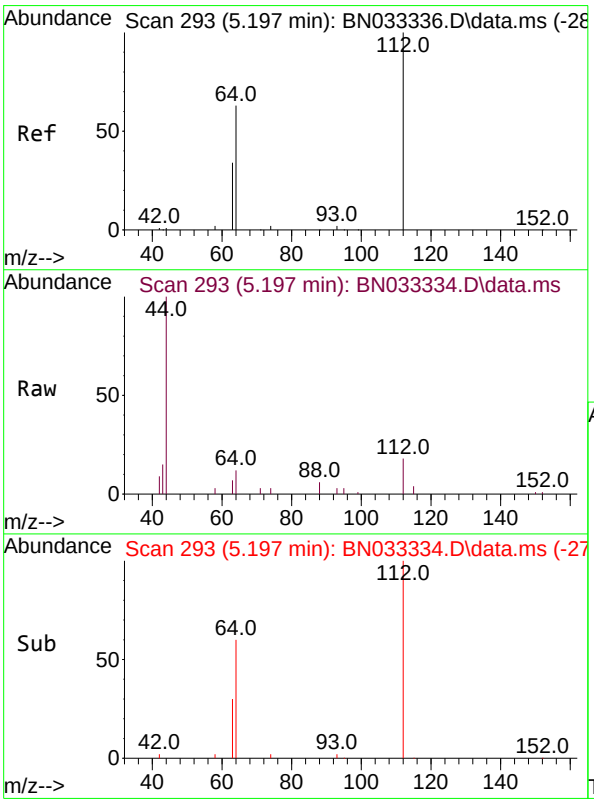
#3
n-Nitrosodimethylamine
Concen: 0.105 ng
RT: 3.485 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 779

Ion	Ratio	Lower	Upper
42	100		
74	116.9	89.0	133.6
44	0.0	11.0	16.4#

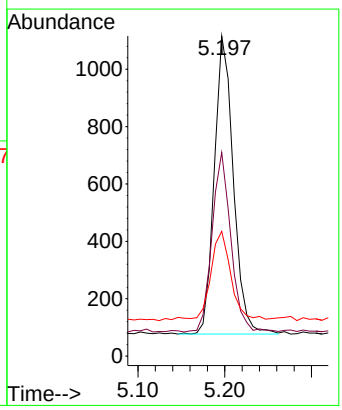


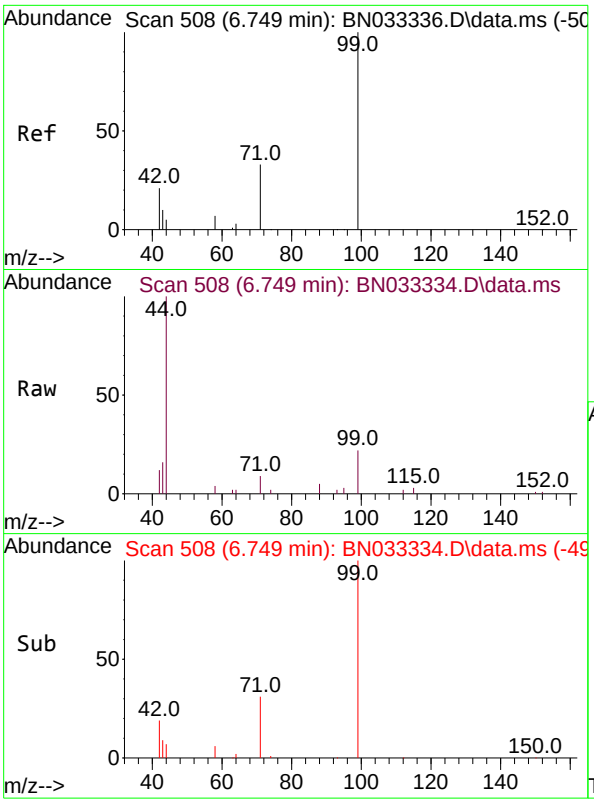


#4
2-Fluorophenol
Concen: 0.114 ng
RT: 5.197 min Scan# 293
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:112 Resp: 1581

Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.1	72.1
63	32.6	25.4	38.2



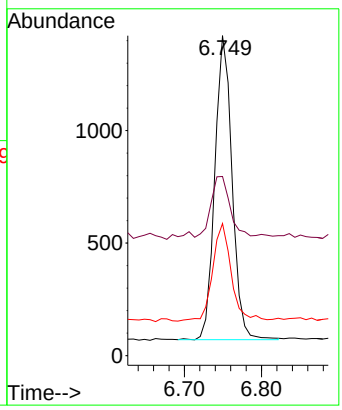


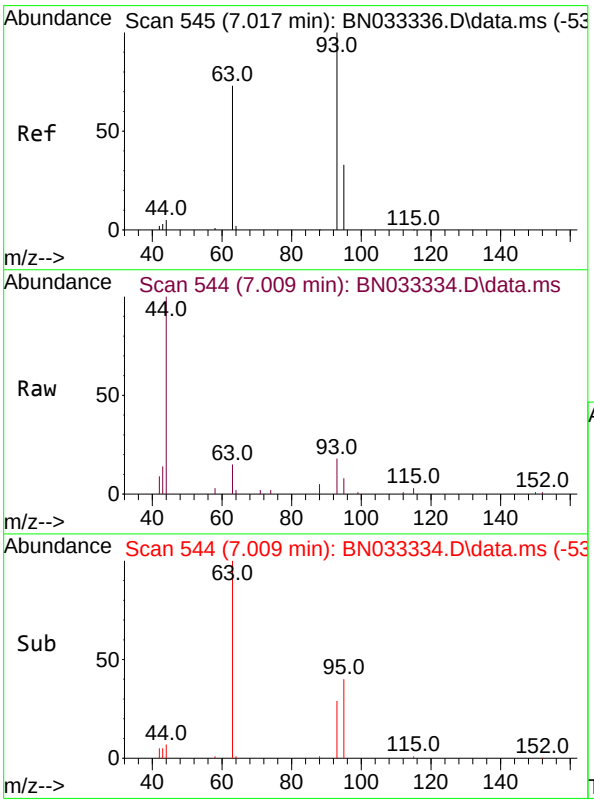
#5
Phenol-d6
Concen: 0.111 ng
RT: 6.749 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 2097

Ion	Ratio	Lower	Upper
99	100		
42	22.4	18.5	27.7
71	34.8	26.2	39.2

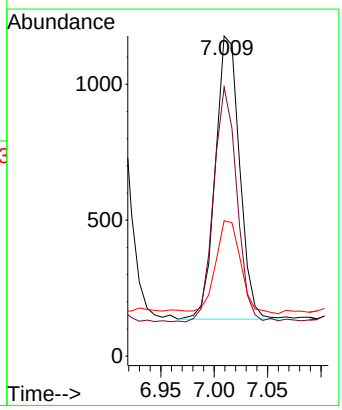


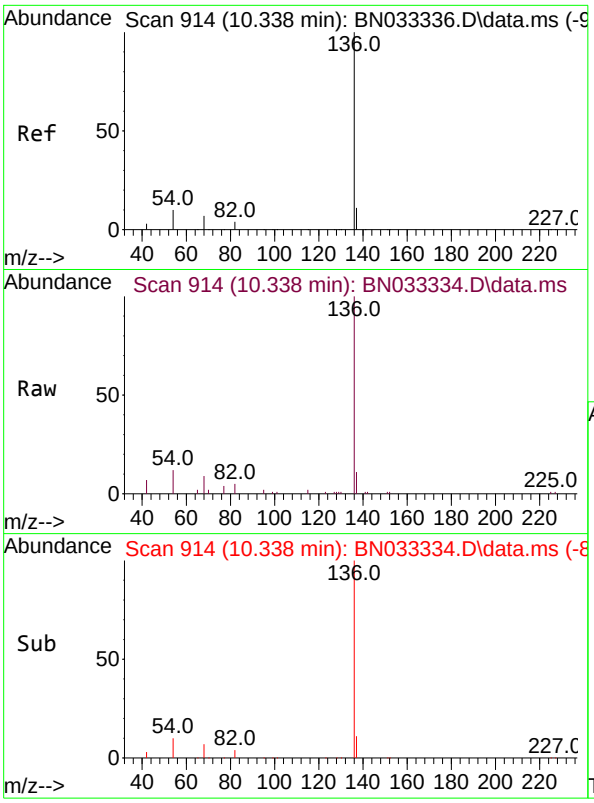


#6
bis(2-Chloroethyl)ether
Concen: 0.101 ng
RT: 7.009 min Scan# 544
Delta R.T. -0.007 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion: 93 Resp: 1639

Ion	Ratio	Lower	Upper
93	100		
63	79.7	65.2	97.8
95	34.0	26.2	39.4



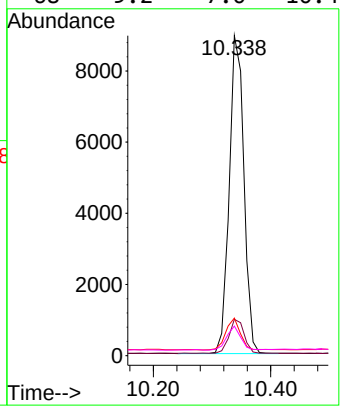


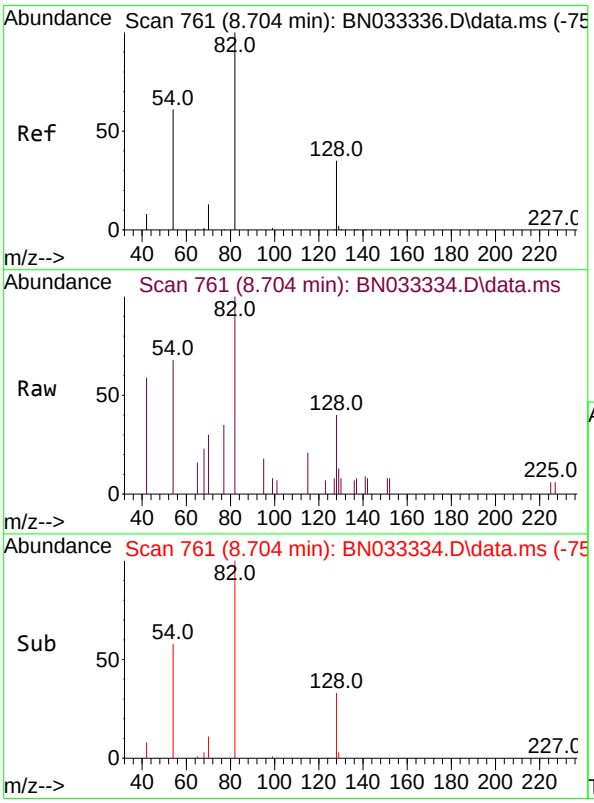
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.338 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 15510

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.7	9.4	14.0
68	9.2	7.0	10.4

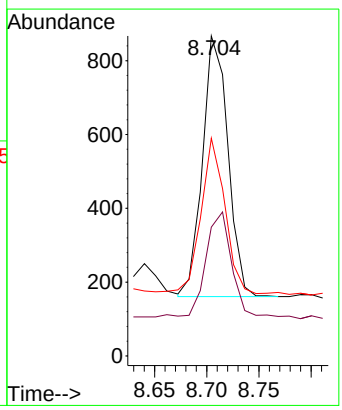


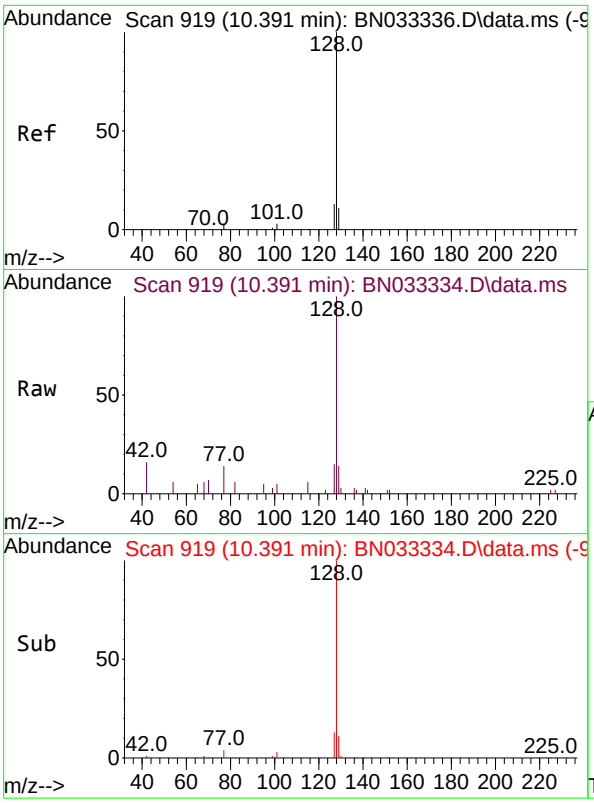


#8
Nitrobenzene-d5
Concen: 0.127 ng
RT: 8.704 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion: 82 Resp: 1200

Ion	Ratio	Lower	Upper
82	100		
128	40.3	29.0	43.4
54	68.1	50.2	75.4



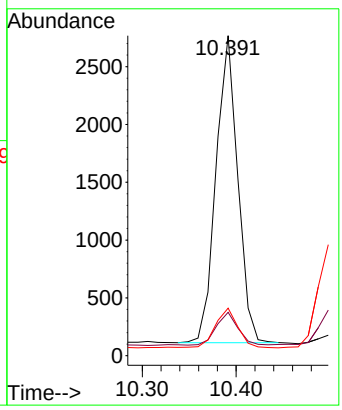


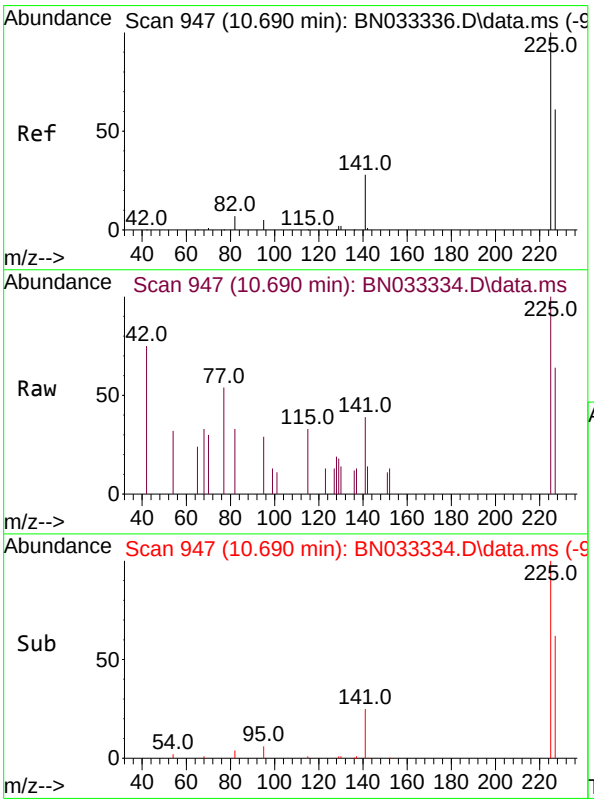
#9
Naphthalene
Concen: 0.098 ng
RT: 10.391 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 4274

Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.2	13.8
127	14.8	10.6	15.8

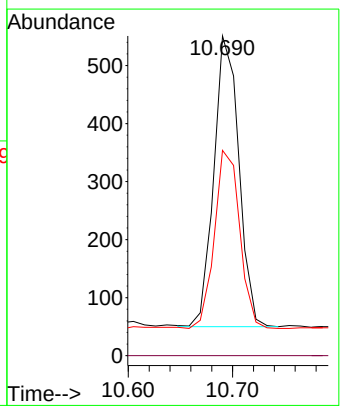


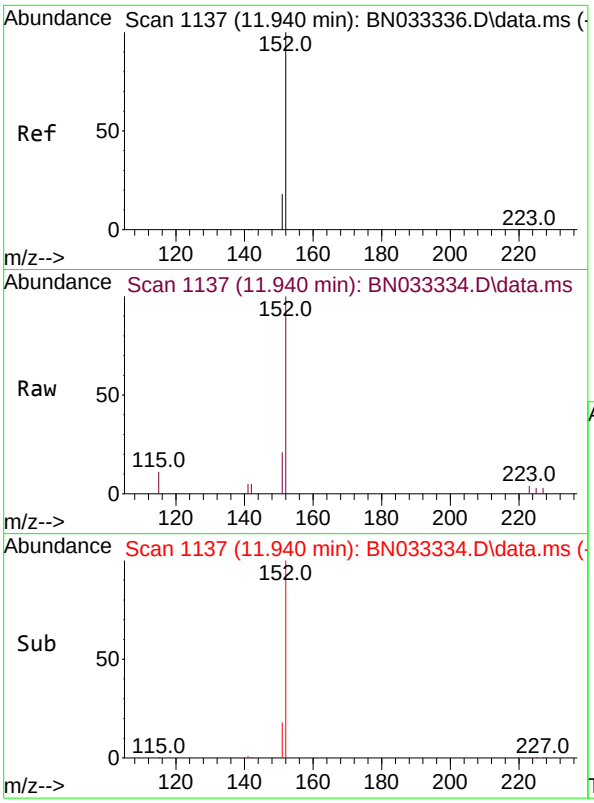


#10
Hexachlorobutadiene
Concen: 0.104 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:225 Resp: 834

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.9	50.8	76.2



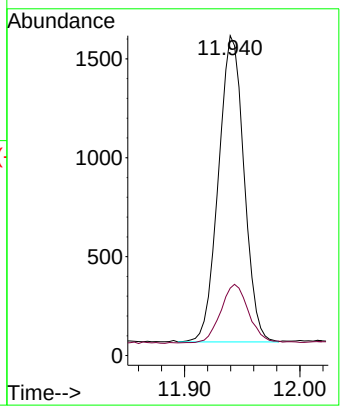


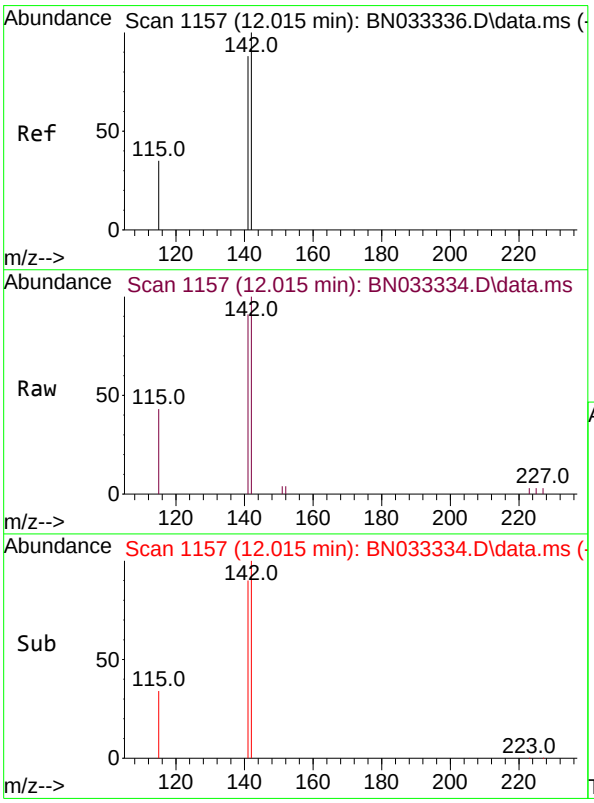
#11
2-Methylnaphthalene-d10
Concen: 0.099 ng
RT: 11.940 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2381

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.7	25.1

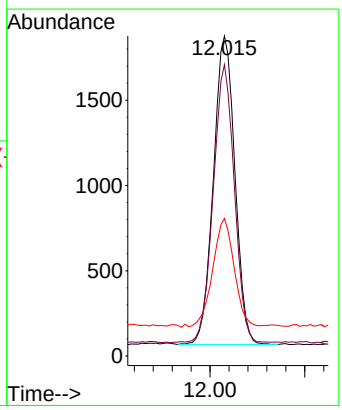


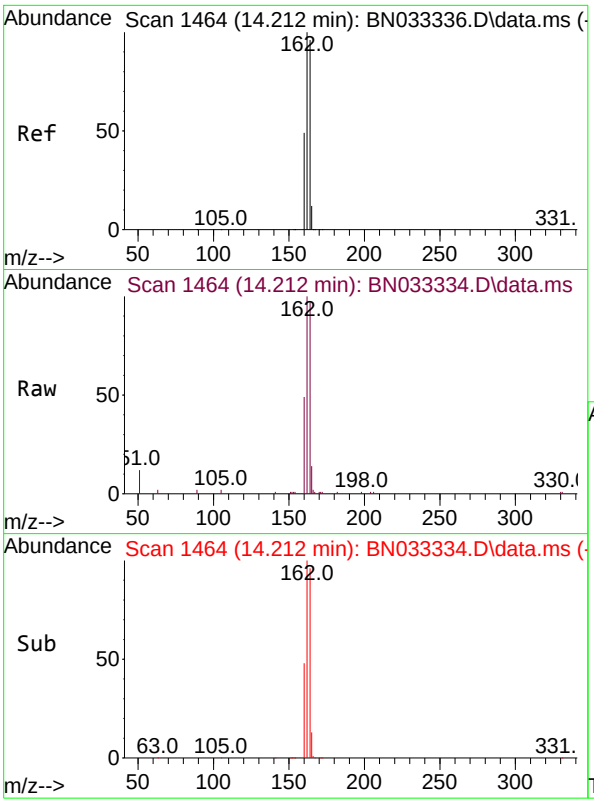


#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.015 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:142 Resp: 2852

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.2	105.4
115	42.9	29.3	43.9



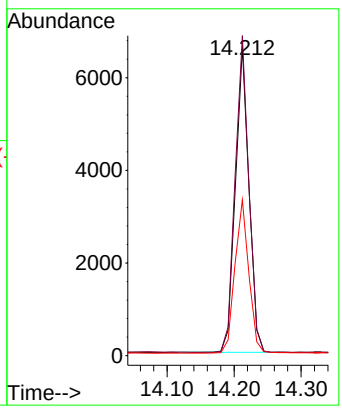


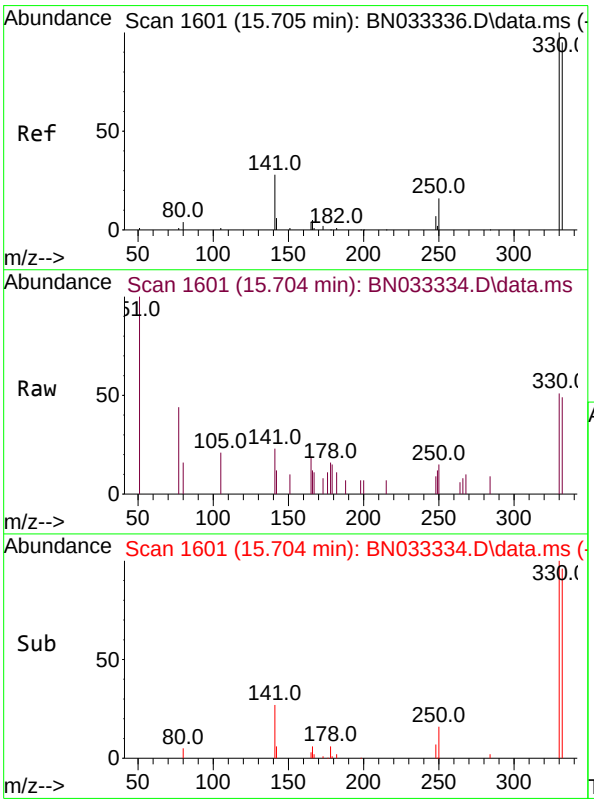
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.212 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 9264

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.1	124.7
160	50.5	41.1	61.7

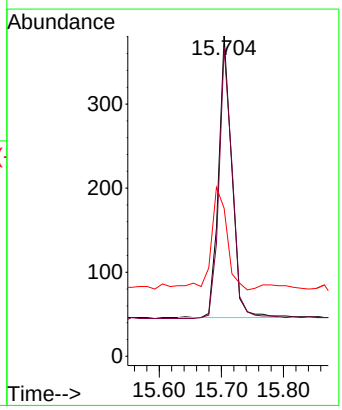


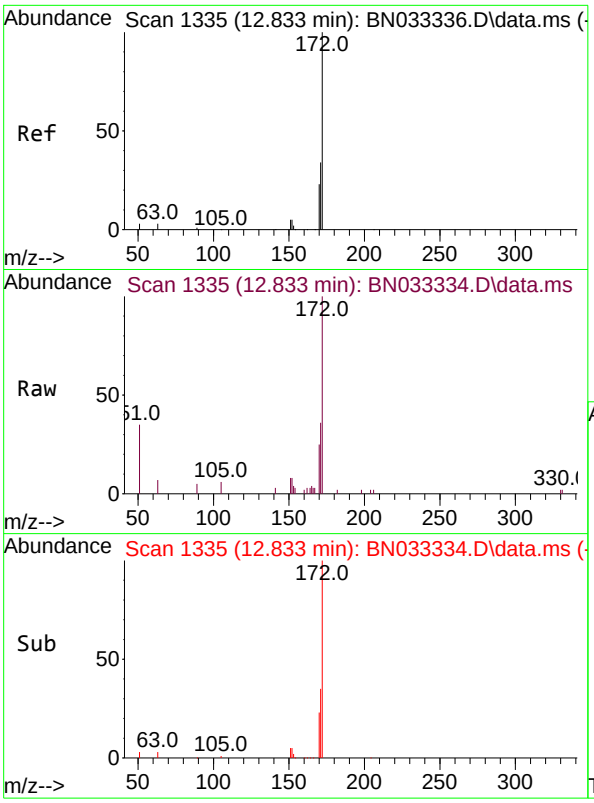


#14
2,4,6-Tribromophenol
Concen: 0.132 ng
RT: 15.704 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:330 Resp: 495

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.1	115.7
141	42.8	33.4	50.0



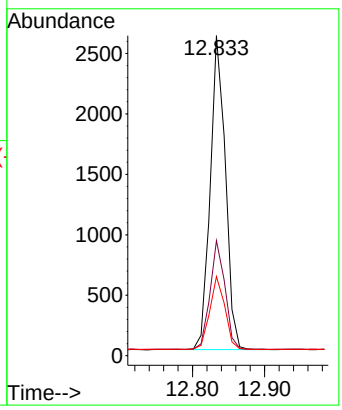


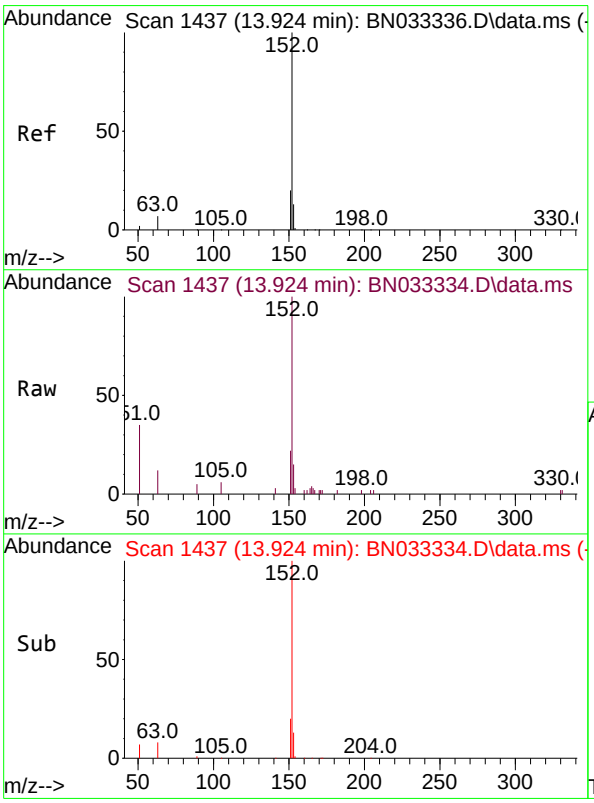
#15
2-Fluorobiphenyl
Concen: 0.109 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 3792

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.8
170	24.7	18.7	28.1

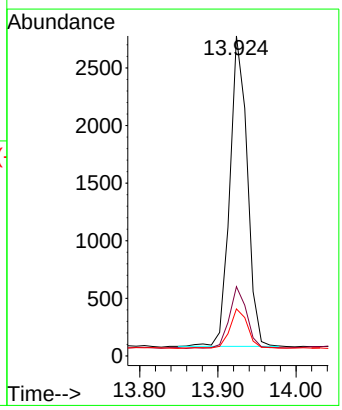


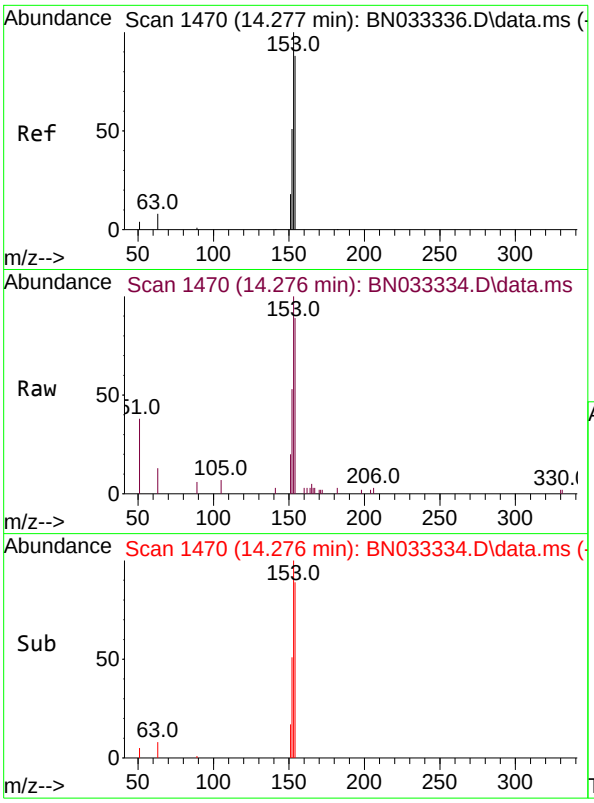


#16
Acenaphthylene
Concen: 0.092 ng
RT: 13.924 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:152 Resp: 4163

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.2	10.4	15.6



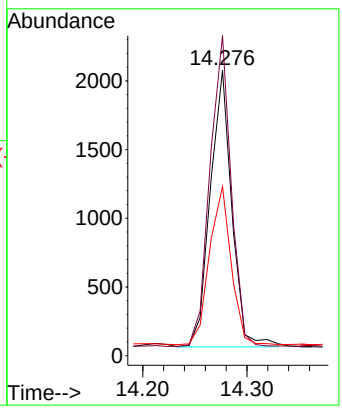


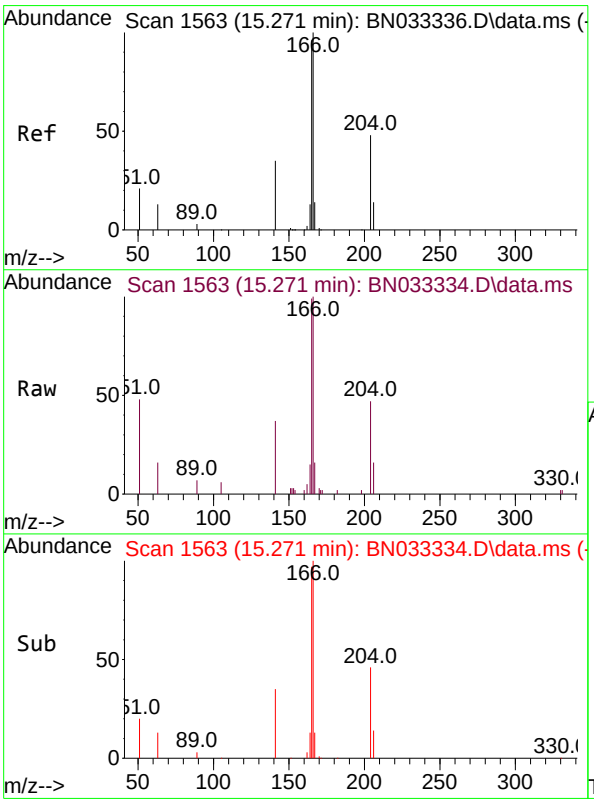
#17
Acenaphthene
Concen: 0.101 ng
RT: 14.276 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 2894

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.7	134.5
152	57.3	47.2	70.8

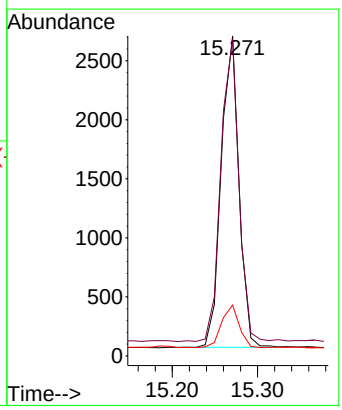


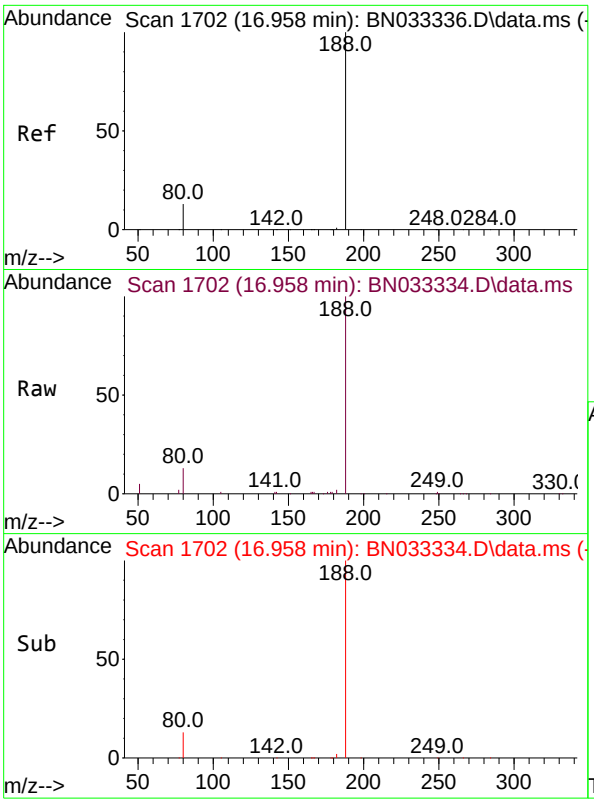


#18
Fluorene
Concen: 0.100 ng
RT: 15.271 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:166 Resp: 3817

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.0	117.0
167	13.5	10.7	16.1



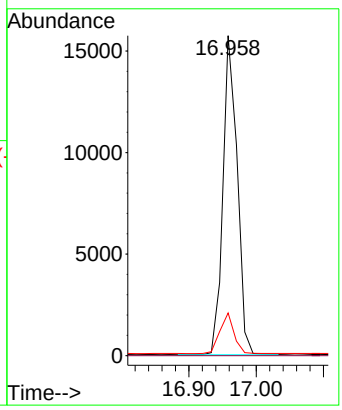


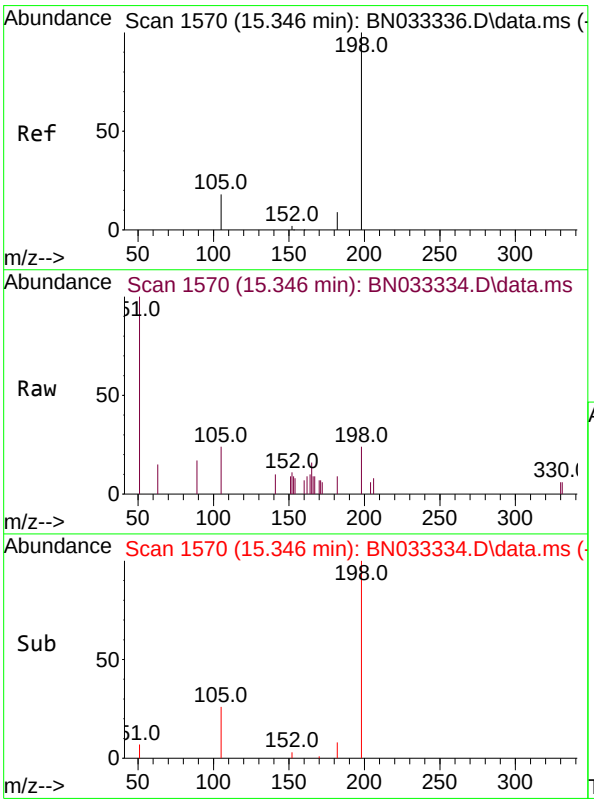
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.958 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 23040

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	10.7	16.1

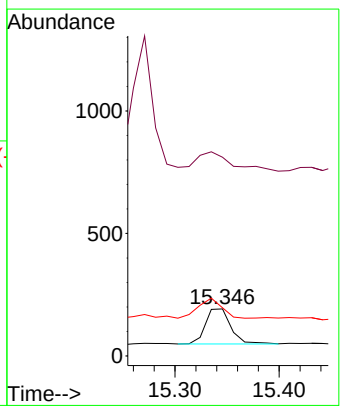


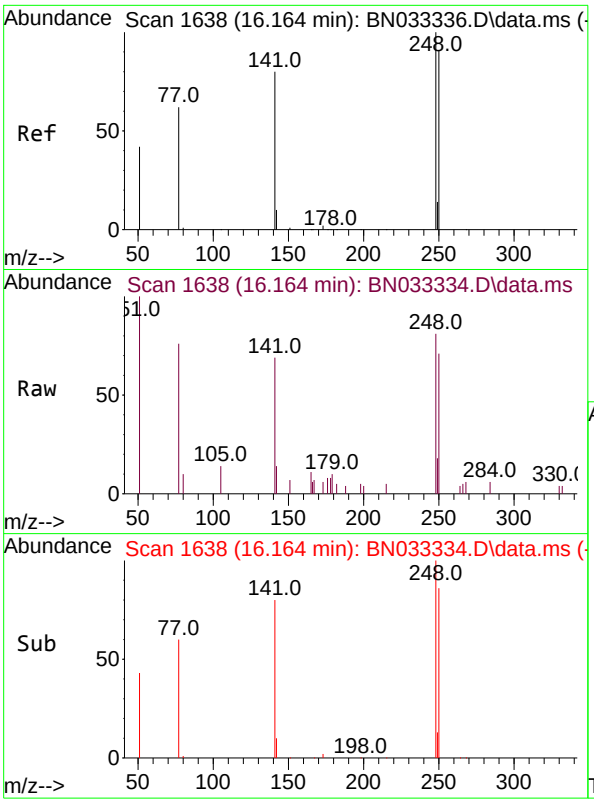


#20
4,6-Dinitro-2-methylphenol
Concen: 0.147 ng
RT: 15.346 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:198 Resp: 243

Ion	Ratio	Lower	Upper
198	100		
51	422.4	62.8	94.2#
105	102.6	34.1	51.1#



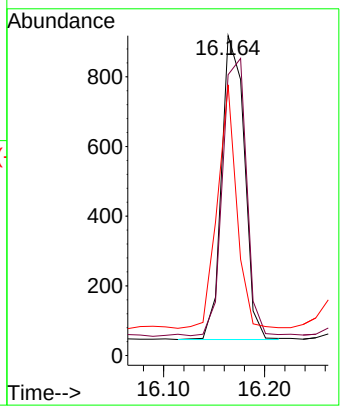


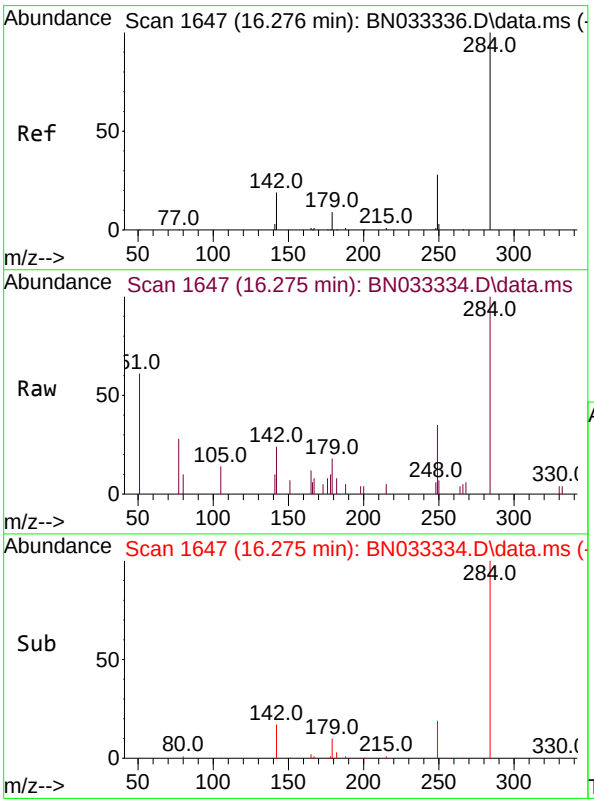
#21
4-Bromophenyl-phenylether
Concen: 0.098 ng
RT: 16.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 1365

Ion	Ratio	Lower	Upper
248	100		
250	87.8	73.0	109.4
141	84.6	64.6	96.8

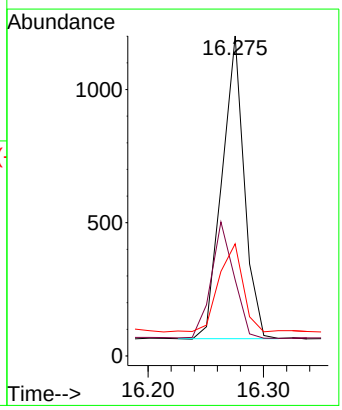


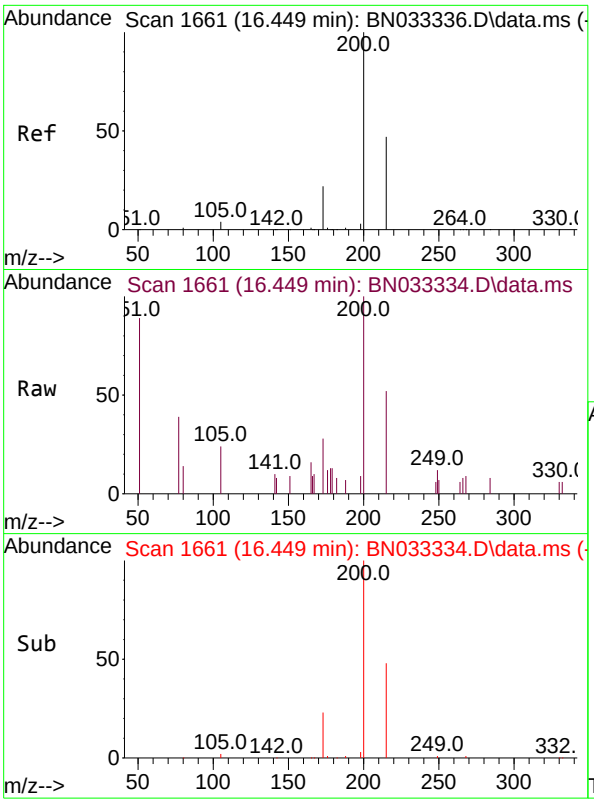


#22
Hexachlorobenzene
Concen: 0.103 ng
RT: 16.275 min Scan# 1647
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:284 Resp: 1520

Ion	Ratio	Lower	Upper
284	100		
142	39.4	32.2	48.4
249	32.0	25.3	37.9



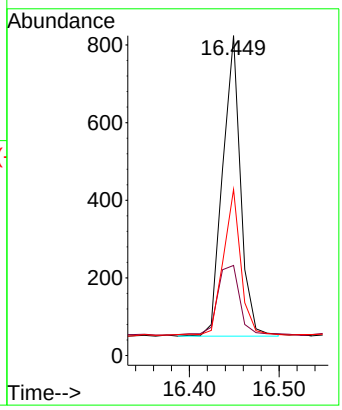


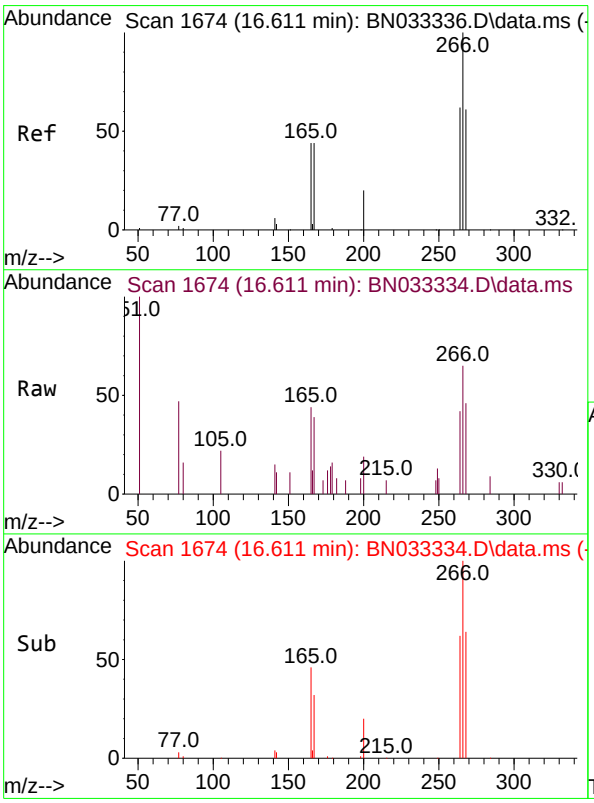
#23
Atrazine
Concen: 0.093 ng
RT: 16.449 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 1073

Ion	Ratio	Lower	Upper
200	100		
173	28.2	18.7	28.1#
215	51.9	38.6	58.0

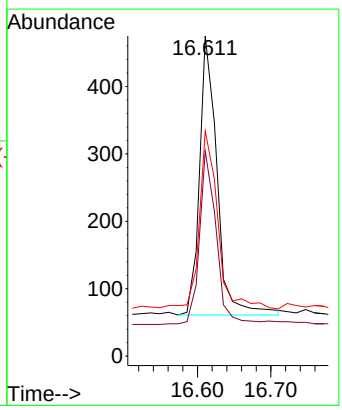


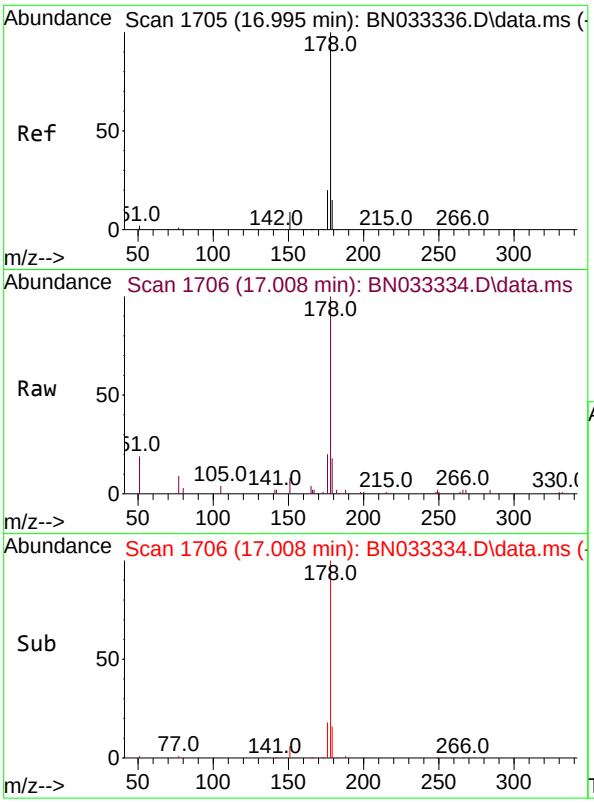


#24
Pentachlorophenol
Concen: 0.133 ng
RT: 16.611 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:266 Resp: 684

Ion	Ratio	Lower	Upper
266	100		
264	60.2	49.2	73.8
268	67.3	51.2	76.8



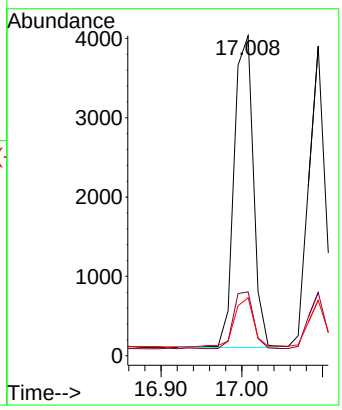


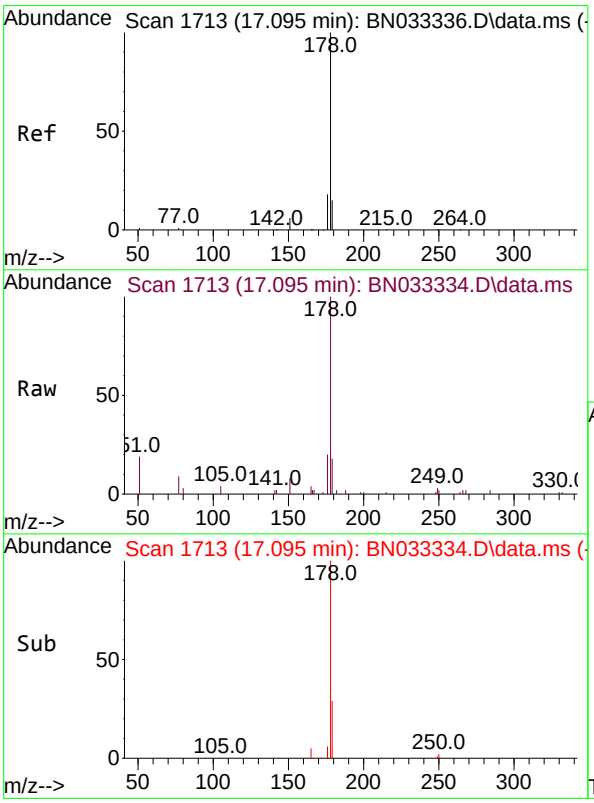
#25
Phenanthrene
Concen: 0.098 ng
RT: 17.008 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 6521

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.2	18.2

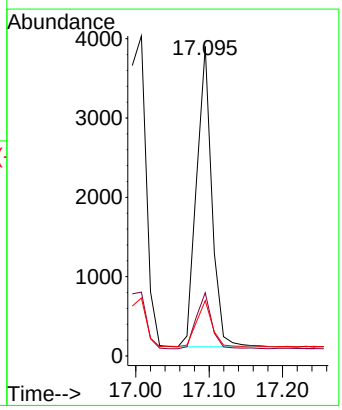


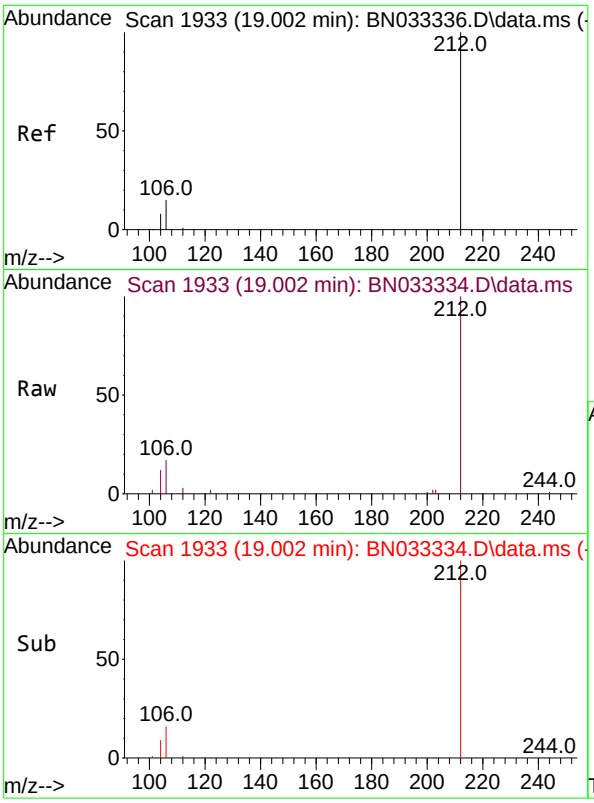


#26
Anthracene
Concen: 0.085 ng
RT: 17.095 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:178 Resp: 5483

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.2	18.2



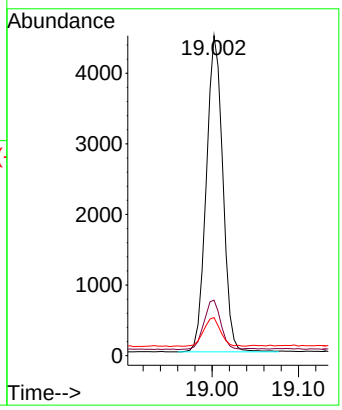


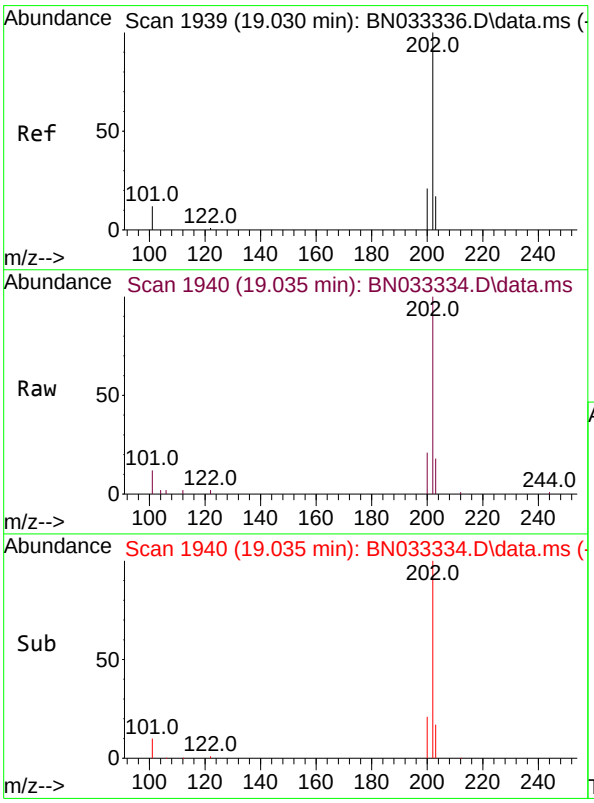
#27
Fluoranthene-d10
Concen: 0.094 ng
RT: 19.002 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 5960

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.8	19.2
104	9.2	7.1	10.7

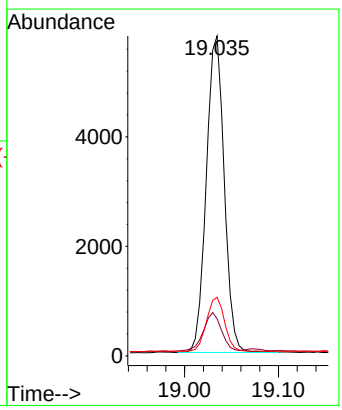


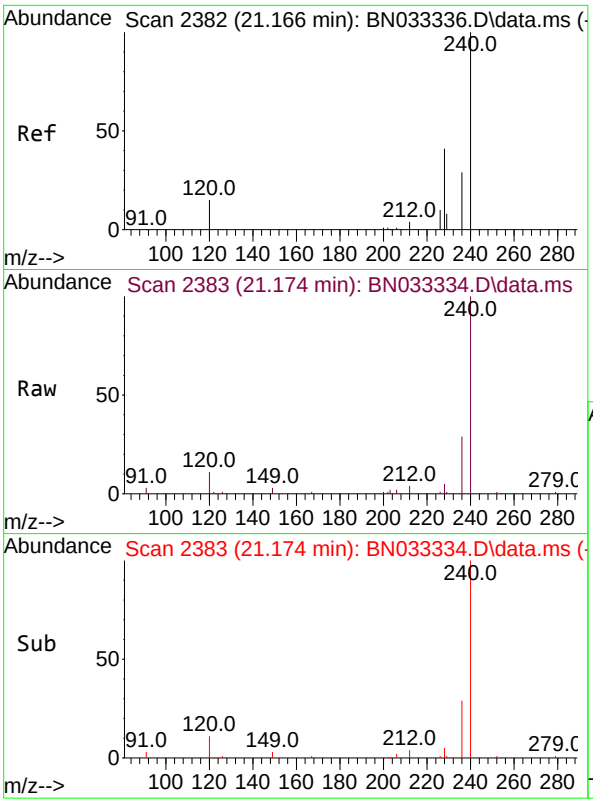


#28
Fluoranthene
Concen: 0.091 ng
RT: 19.035 min Scan# 1940
Delta R.T. 0.005 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:202 Resp: 7654

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.6
203	17.3	13.8	20.6



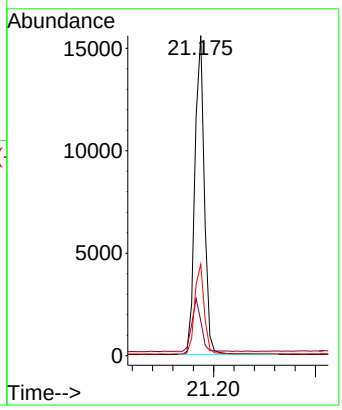


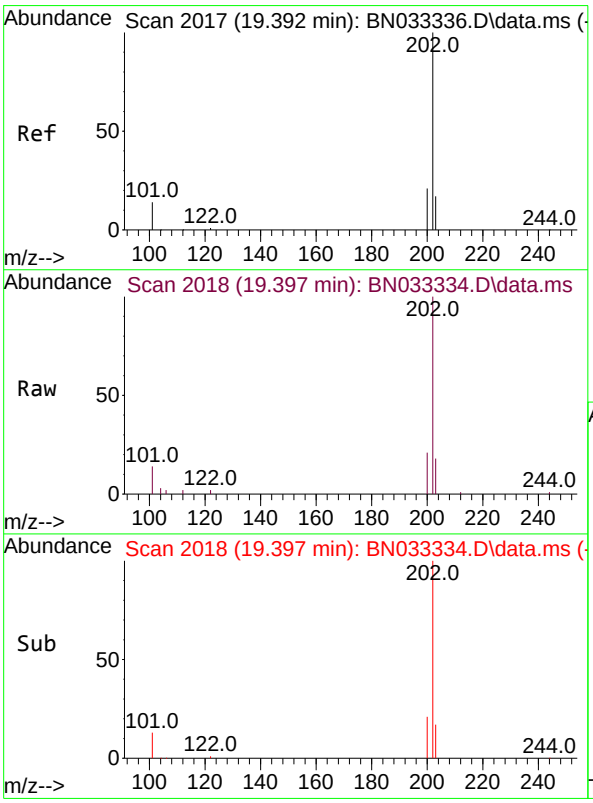
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.174 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 20123

Ion	Ratio	Lower	Upper
240	100		
120	10.9	13.0	19.6#
236	28.6	23.2	34.8

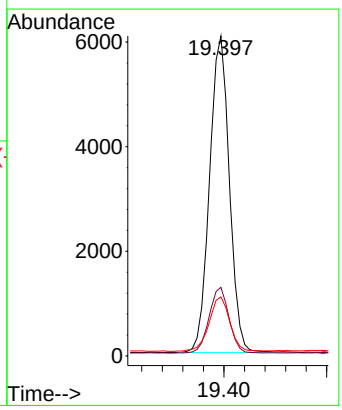


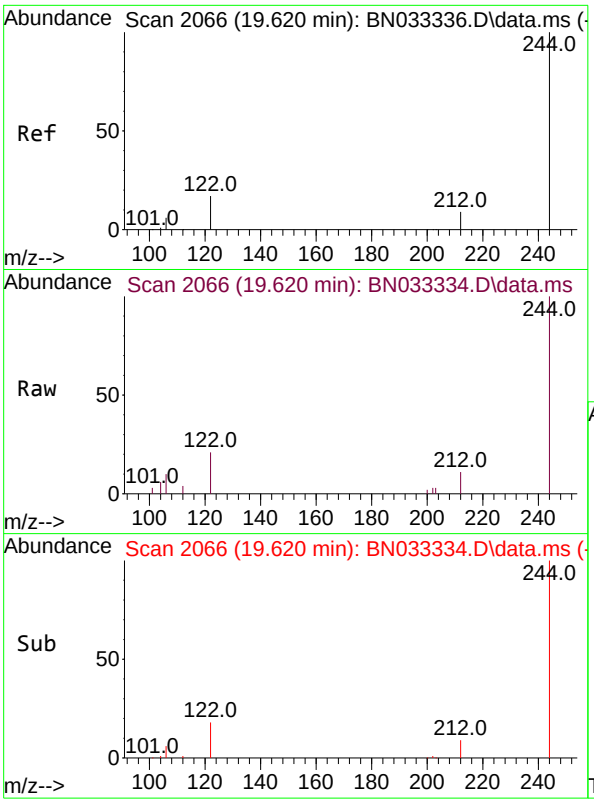


#30
Pyrene
Concen: 0.102 ng
RT: 19.397 min Scan# 2018
Delta R.T. 0.005 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:202 Resp: 8085

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	18.1	14.2	21.4



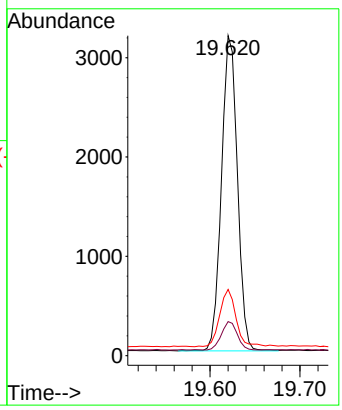


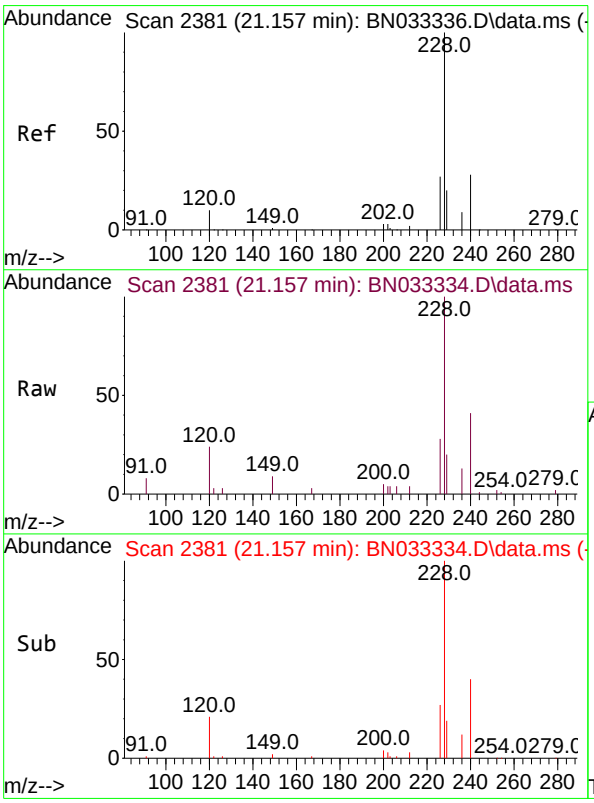
#31
Terphenyl-d14
Concen: 0.112 ng
RT: 19.620 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 3894

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.7	11.5
122	20.7	14.0	21.0

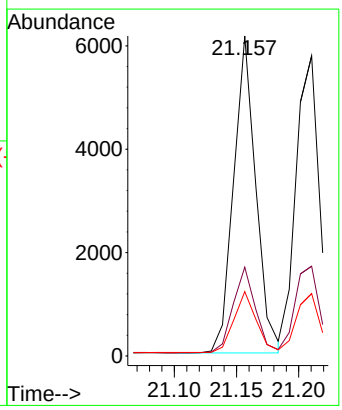


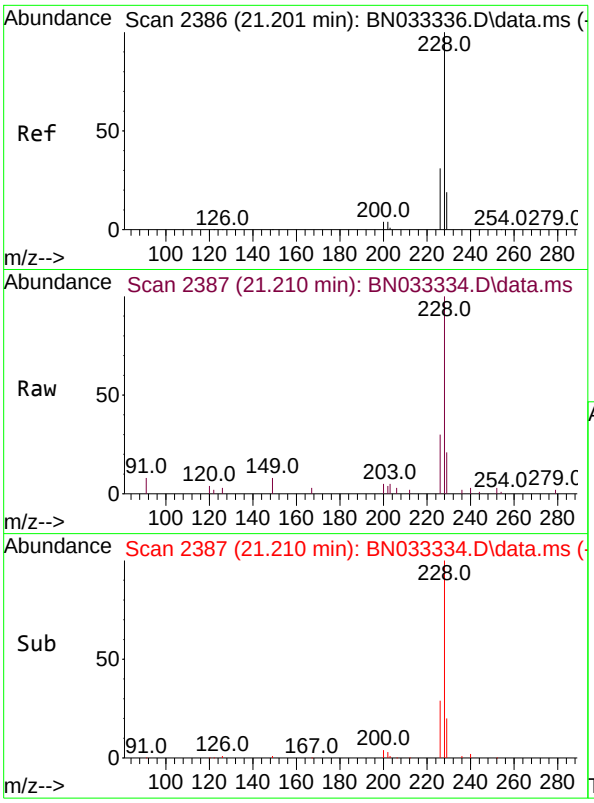


#32
Benzo(a)anthracene
Concen: 0.097 ng
RT: 21.157 min Scan# 2381
Delta R.T. -0.000 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:228 Resp: 7613

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.6	32.4
229	20.1	15.9	23.9



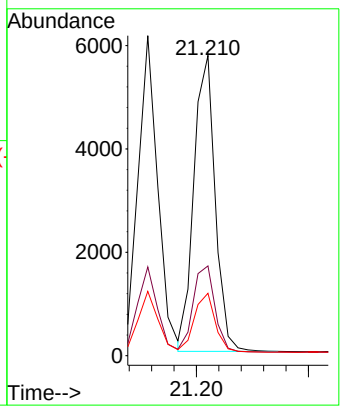


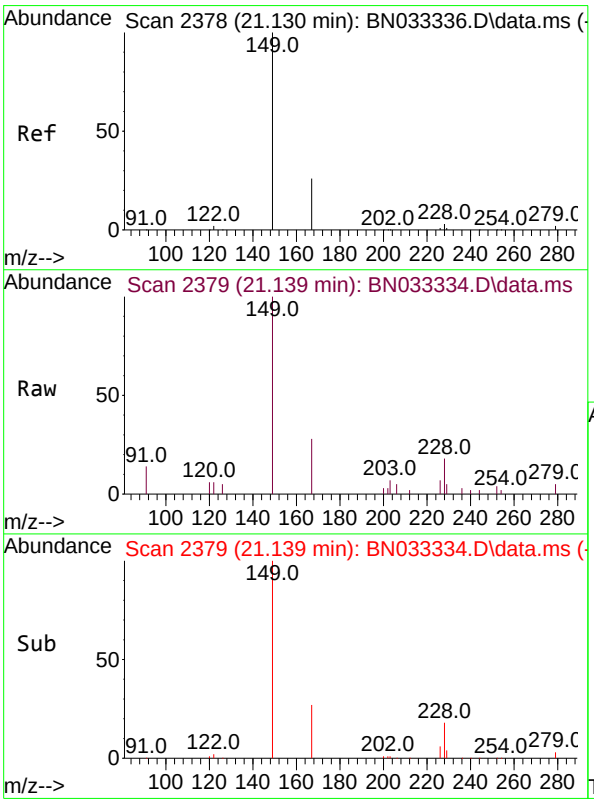
#33
Chrysene
Concen: 0.100 ng
RT: 21.210 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 7565

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	20.8	15.4	23.2

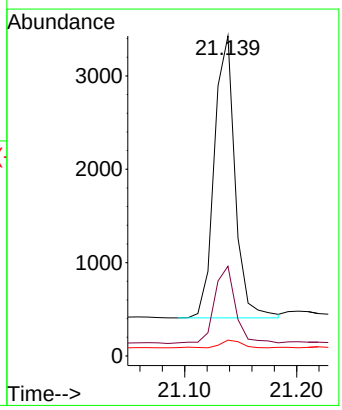


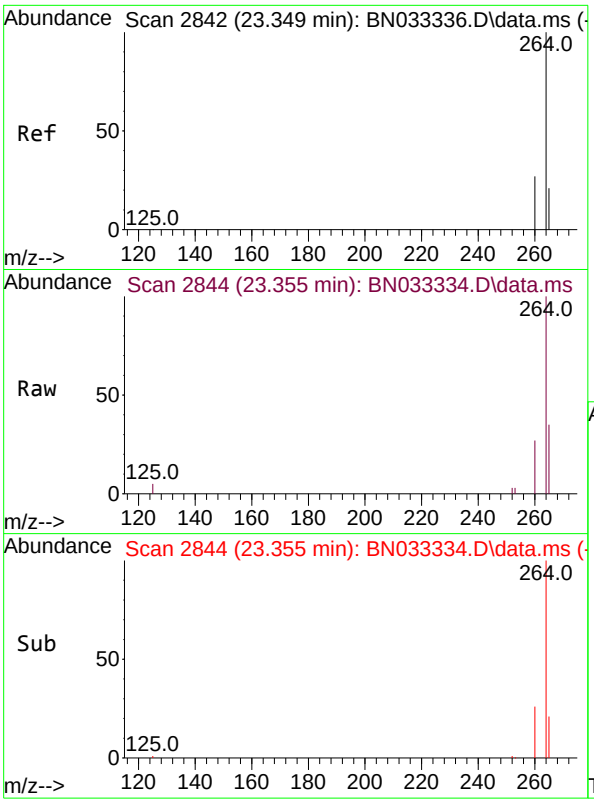


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.139 min Scan# 2379
Delta R.T. 0.009 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:149 Resp: 3895

Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.9	31.3
279	2.8	2.2	3.4



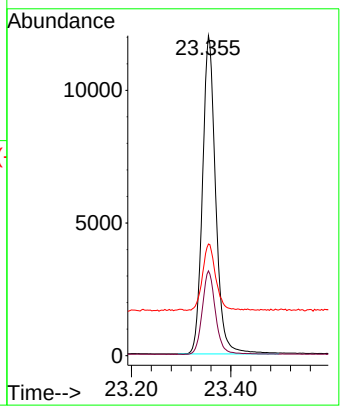


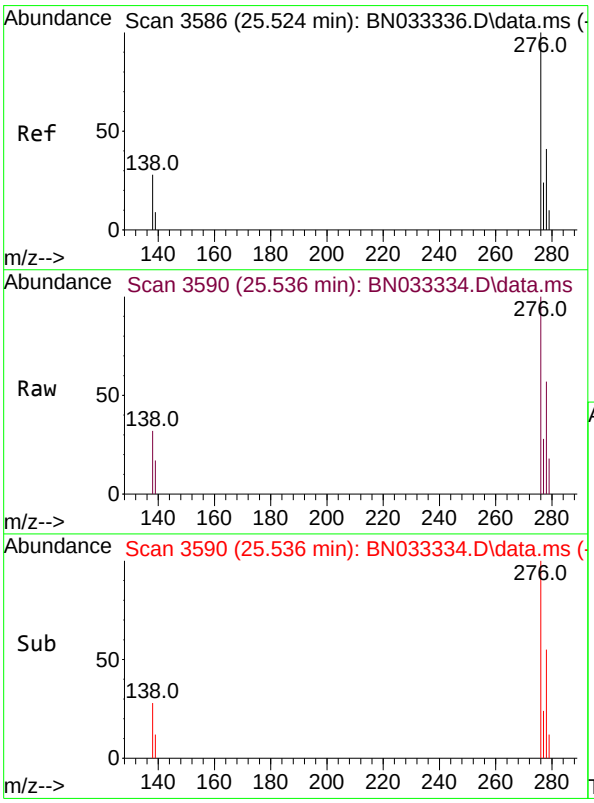
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.355 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 22159

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.6	32.4
265	34.9	29.3	43.9

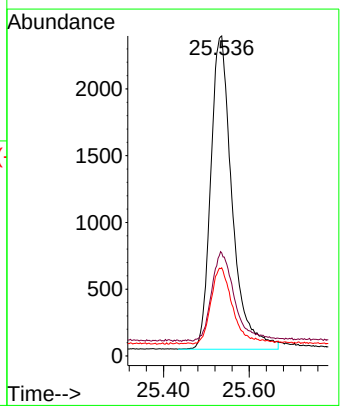


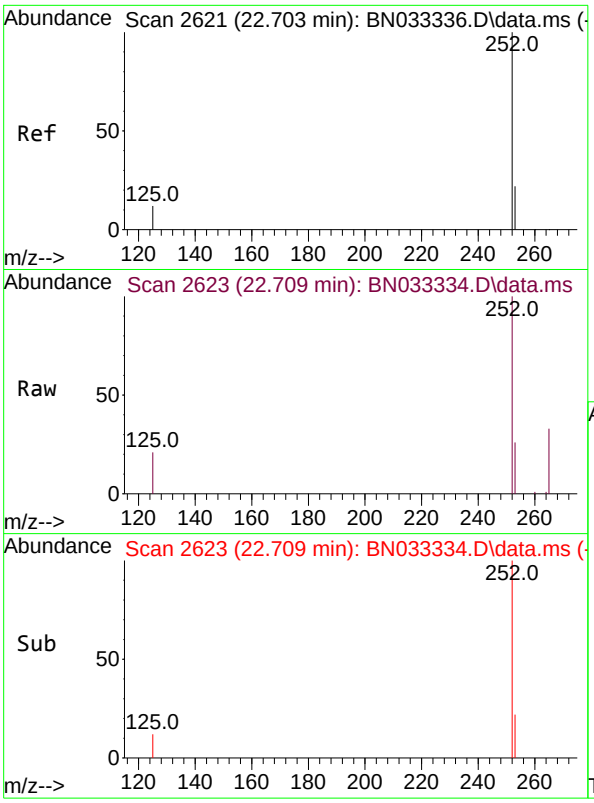


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.084 ng
RT: 25.536 min Scan# 3590
Delta R.T. 0.012 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:276 Resp: 8143

Ion	Ratio	Lower	Upper
276	100		
138	30.4	24.9	37.3
277	24.0	19.8	29.6



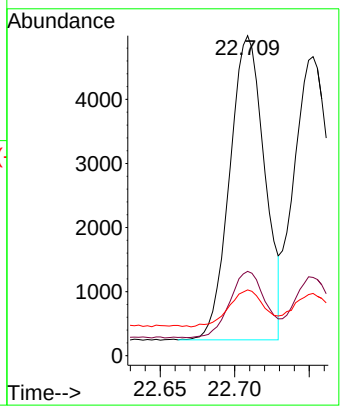


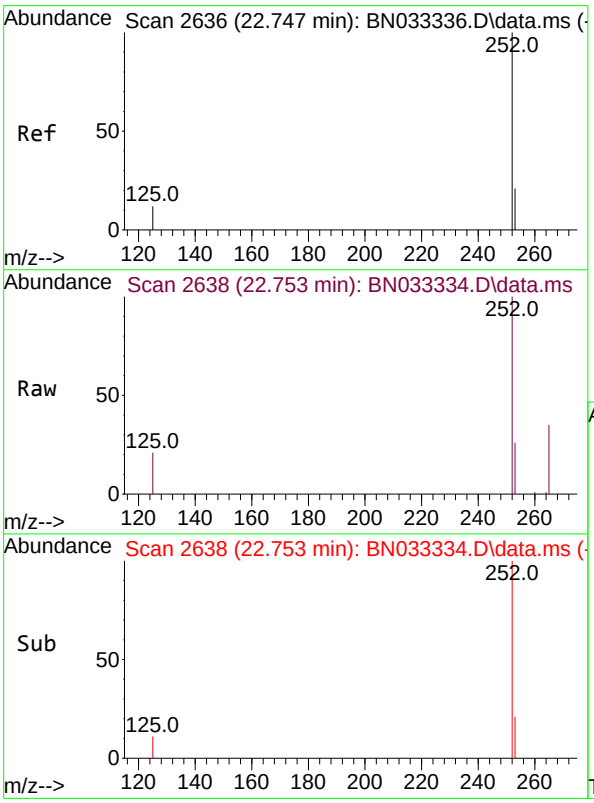
#37
Benzo(b)fluoranthene
Concen: 0.094 ng
RT: 22.709 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 7729

Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.2
125	20.6	11.3	16.9#

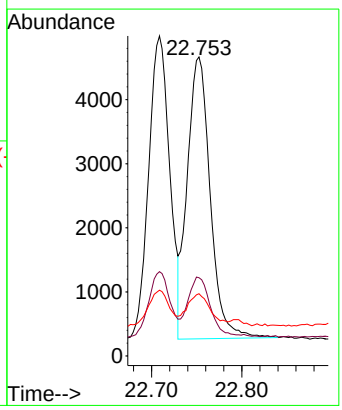


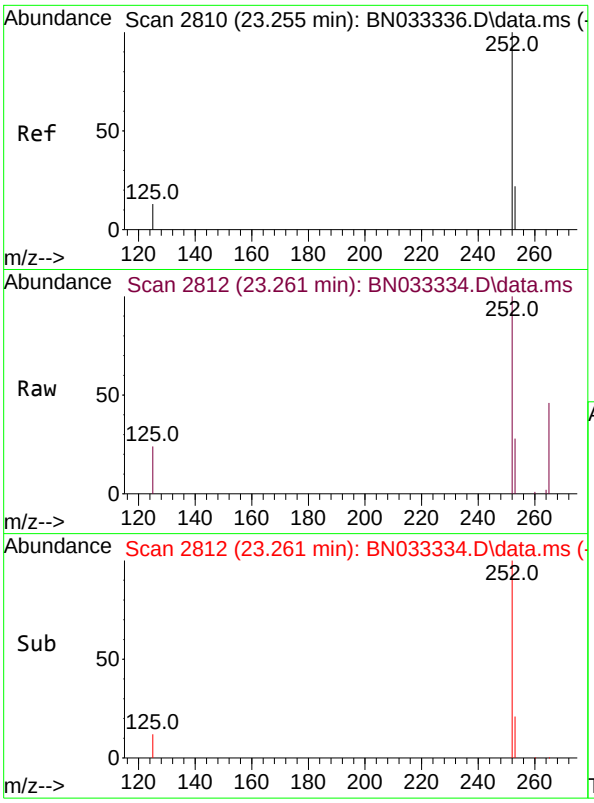


#38
Benzo(k)fluoranthene
Concen: 0.097 ng
RT: 22.753 min Scan# 2638
Delta R.T. 0.006 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:252 Resp: 7776

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.9	26.9
125	20.8	11.3	16.9#



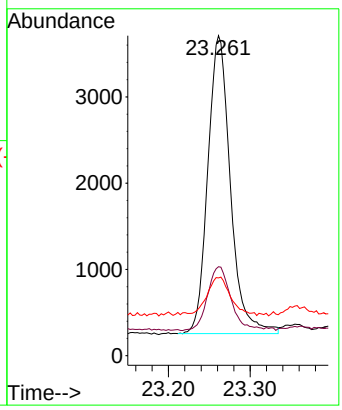


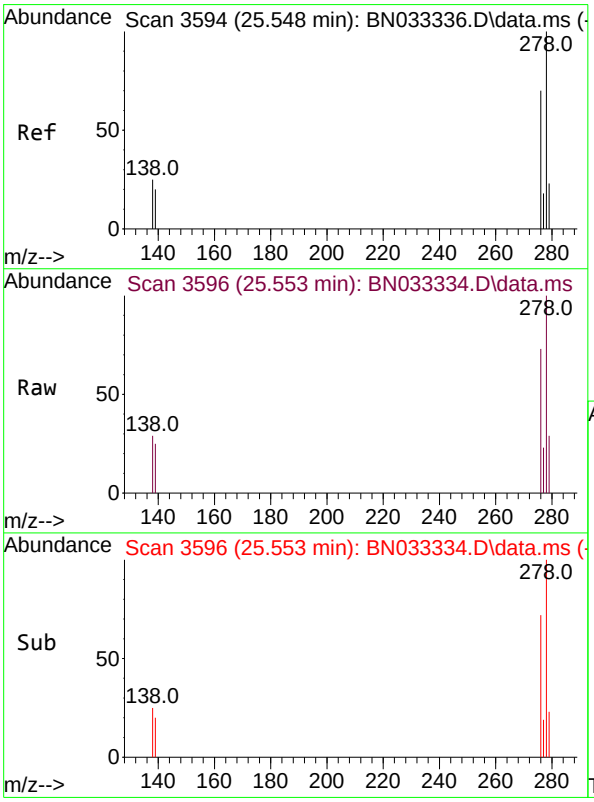
#39
Benzo(a)pyrene
Concen: 0.091 ng
RT: 23.261 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 6639

Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.6	28.0
125	24.3	12.6	19.0#

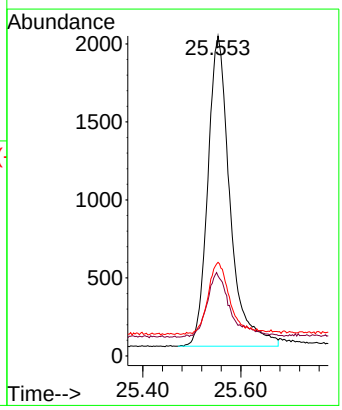


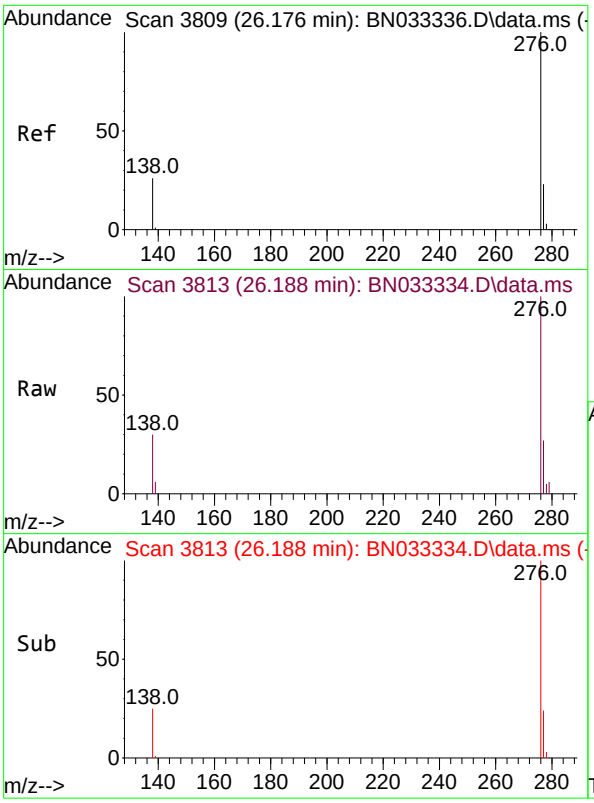


#40
Dibenzo(a,h)anthracene
Concen: 0.082 ng
RT: 25.553 min Scan# 3596
Delta R.T. 0.006 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Tgt Ion:278 Resp: 6243

Ion	Ratio	Lower	Upper
278	100		
139	25.0	17.0	25.6
279	29.3	20.0	30.0





#41
Benzo(g,h,i)perylene
Concen: 0.087 ng
RT: 26.188 min Scan# 3
Delta R.T. 0.012 min
Lab File: BN033334.D
Acq: 10 Aug 2024 13:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 7216

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.4	29.2
138	29.8	21.6	32.4