Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043025\
Data File : BN036954.D
Acq On : 30 Apr 2025 19:29
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 01 01:13:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

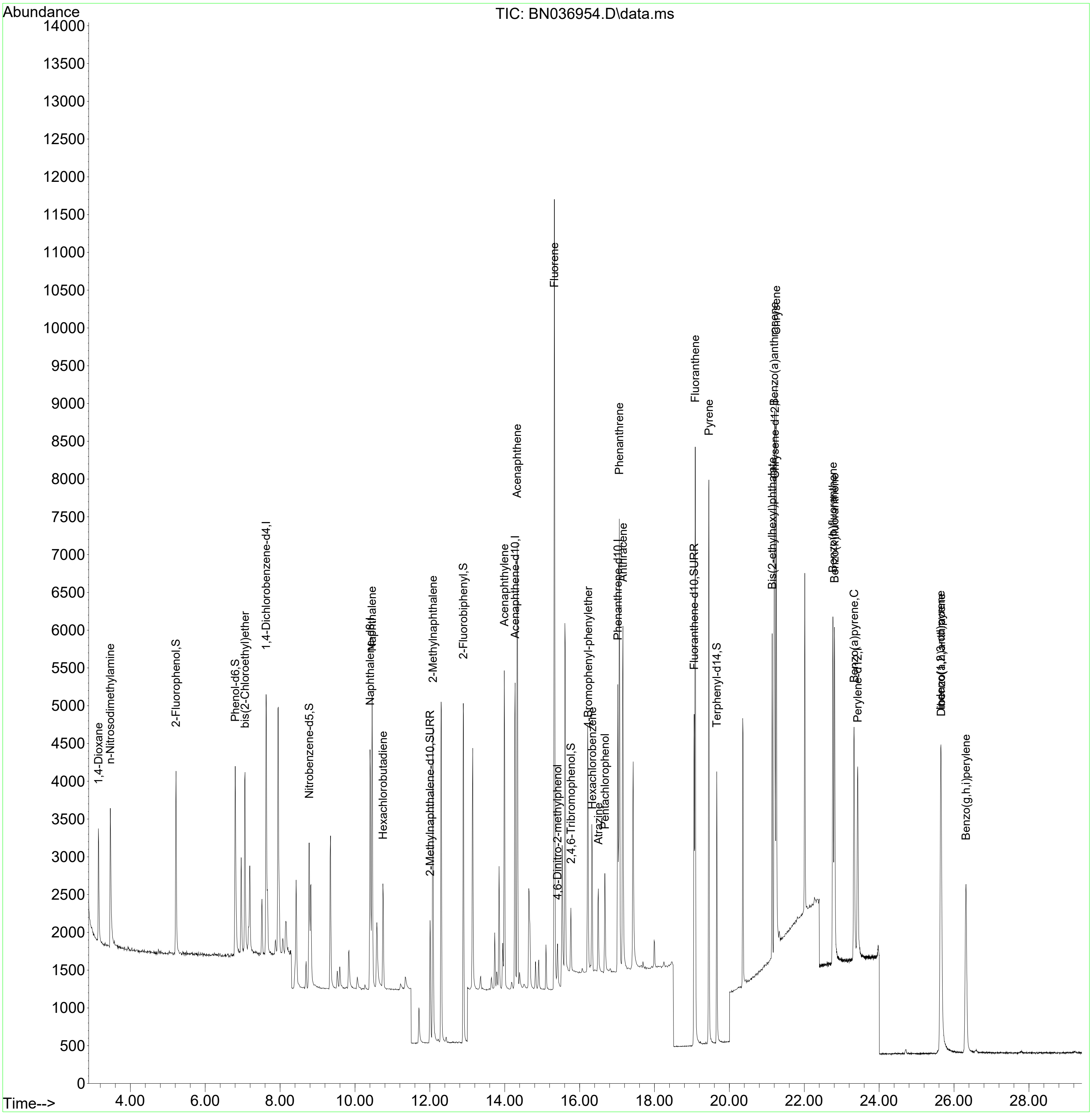
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.625	152	1691	0.400 ng	0.00
7) Naphthalene-d8	10.404	136	4216	0.400 ng	#-0.01
13) Acenaphthene-d10	14.277	164	2363	0.400 ng	0.00
19) Phenanthrene-d10	17.021	188	4774	0.400 ng	0.00
29) Chrysene-d12	21.215	240	3800	0.400 ng	0.00
35) Perylene-d12	23.427	264	3445	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.220	112	1811	0.419 ng	0.00
5) Phenol-d6	6.802	99	2112	0.397 ng	0.00
8) Nitrobenzene-d5	8.781	82	1762	0.399 ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	2321	0.394 ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	427	0.405 ng	0.00
15) 2-Fluorobiphenyl	12.893	172	4100	0.359 ng	0.00
27) Fluoranthene-d10	19.059	212	4922	0.398 ng	0.00
31) Terphenyl-d14	19.663	244	3548	0.396 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.148	88	867	0.411 ng	# 89
3) n-Nitrosodimethylamine	3.465	42	1769	0.433 ng	# 89
6) bis(2-Chloroethyl)ether	7.062	93	1848	0.375 ng	98
9) Naphthalene	10.458	128	4864	0.396 ng	99
10) Hexachlorobutadiene	10.746	225	1106	0.417 ng	# 98
12) 2-Methylnaphthalene	12.082	142	3120	0.393 ng	98
16) Acenaphthylene	13.989	152	4465	0.387 ng	99
17) Acenaphthene	14.331	154	3013	0.397 ng	99
18) Fluorene	15.325	166	3948	0.398 ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	463	0.366 ng	# 78
21) 4-Bromophenyl-phenylether	16.227	248	1244	0.390 ng	96
22) Hexachlorobenzene	16.338	284	1379	0.395 ng	98
23) Atrazine	16.500	200	1064	0.414 ng	98
24) Pentachlorophenol	16.673	266	644	0.344 ng	99
25) Phenanthrene	17.058	178	6166	0.391 ng	100
26) Anthracene	17.158	178	5520	0.387 ng	100
28) Fluoranthene	19.087	202	7047	0.399 ng	99
30) Pyrene	19.454	202	7025	0.384 ng	100
32) Benzo(a)anthracene	21.198	228	5504	0.393 ng	98
33) Chrysene	21.251	228	6504	0.431 ng	98
34) Bis(2-ethylhexyl)phtha...	21.144	149	3519	0.442 ng	100
36) Indeno(1,2,3-cd)pyrene	25.643	276	5296	0.376 ng	97
37) Benzo(b)fluoranthene	22.763	252	5755	0.397 ng	99
38) Benzo(k)fluoranthene	22.807	252	5713	0.392 ng	98
39) Benzo(a)pyrene	23.330	252	4761	0.400 ng	96
40) Dibenzo(a,h)anthracene	25.655	278	4096	0.370 ng	99
41) Benzo(g,h,i)perylene	26.318	276	4647	0.378 ng	99

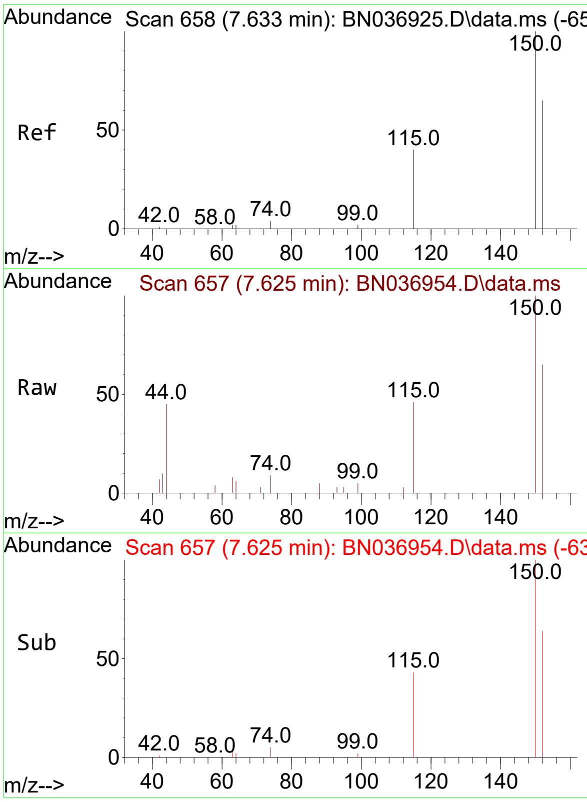
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043025\
Data File : BN036954.D
Acq On : 30 Apr 2025 19:29
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 01 01:13:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration





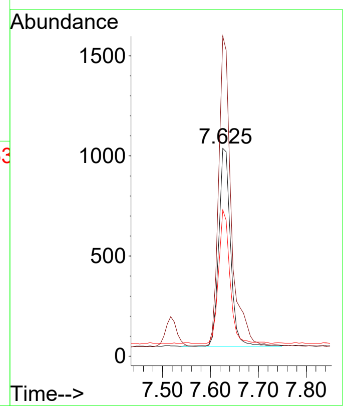
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 6

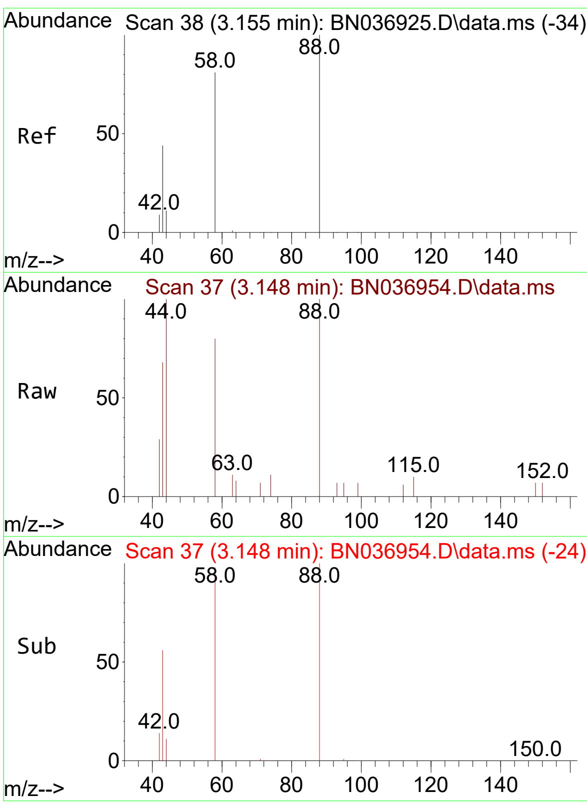
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Delta R.T. -0.008 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:152 Resp: 1691

Ion	Ratio	Lower	Upper
152	100		
150	153.9	121.1	181.7
115	70.3	51.8	77.6

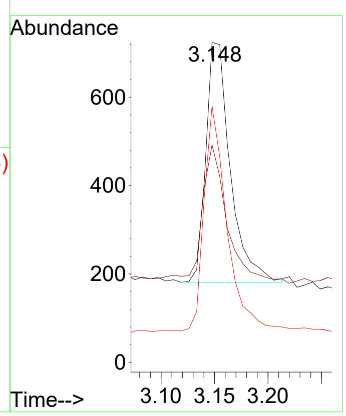


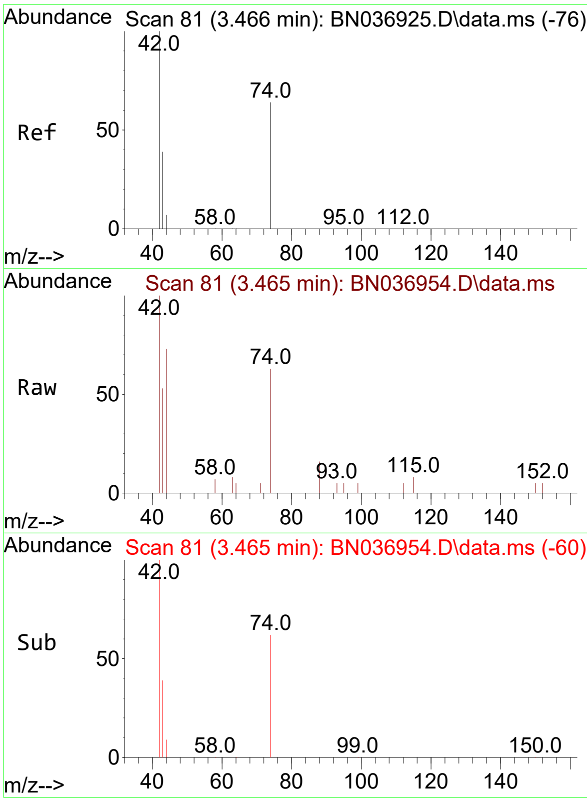


#2
1,4-Dioxane
Concen: 0.411 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion: 88 Resp: 867

Ion	Ratio	Lower	Upper
88	100		
43	60.8	37.9	56.9#
58	87.4	65.8	98.6



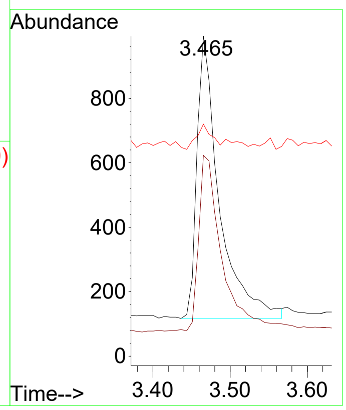


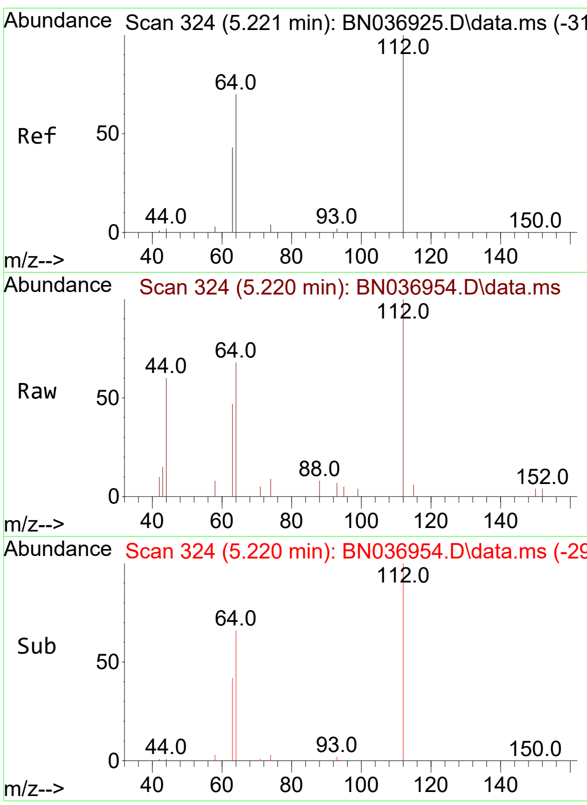
#3
n-Nitrosodimethylamine
Concen: 0.433 ng
RT: 3.465 min   Scan# 81
Delta R.T.   -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025   19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1769

Ion	Ratio	Lower	Upper
42	100		
74	65.1	59.9	89.9
44	5.9	7.5	11.3#

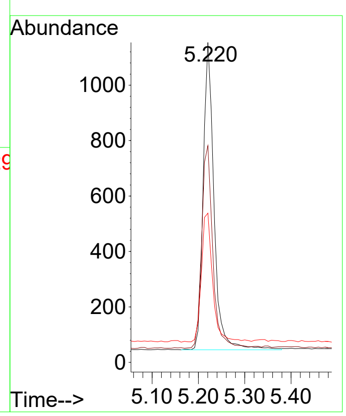


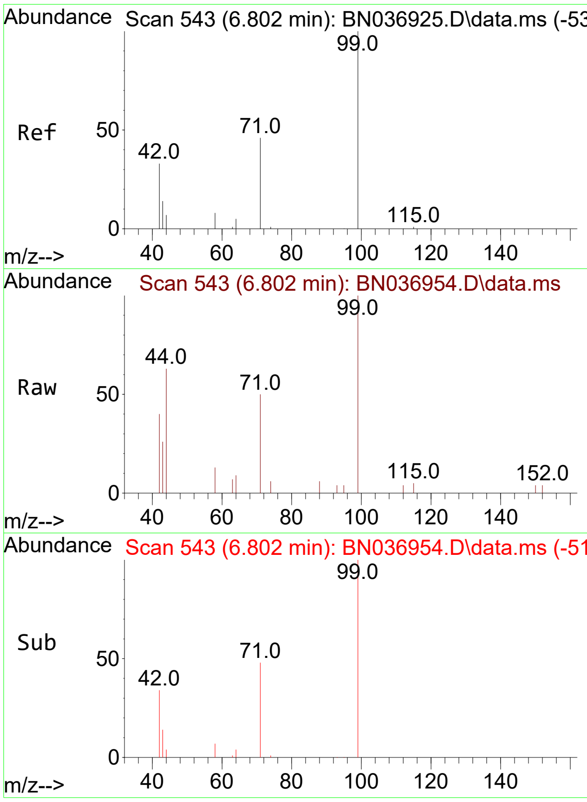


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.220 min   Scan# 324
Delta R.T.   -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025   19:29

Tgt Ion:112 Resp: 1811

Ion	Ratio	Lower	Upper
112	100		
64	67.7	55.7	83.5
63	43.2	33.9	50.9



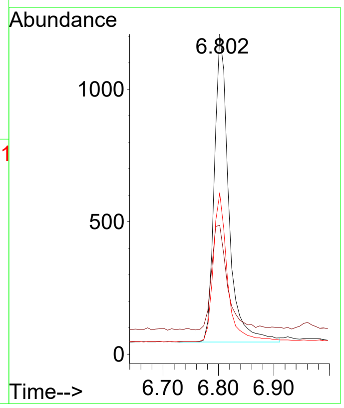


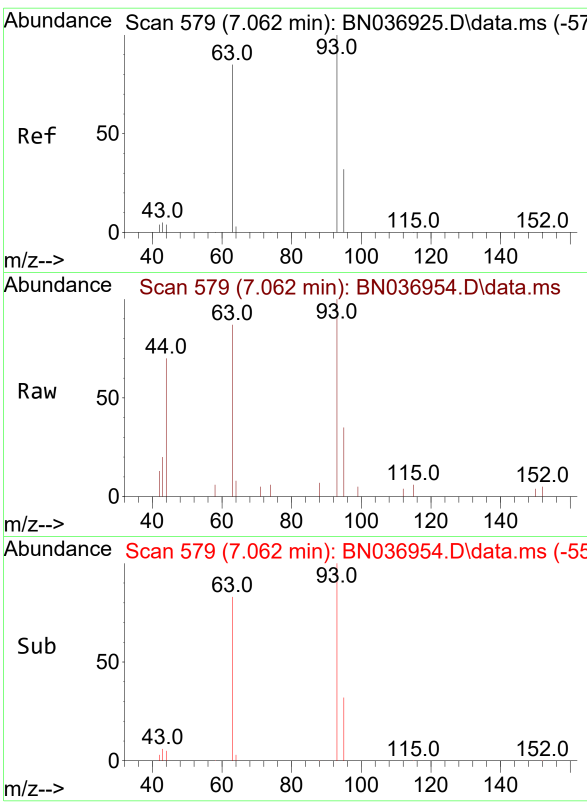
#5
Phenol-d6
Concen: 0.397 ng
RT: 6.802 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2112

Ion	Ratio	Lower	Upper
99	100		
42	37.9	29.6	44.4
71	47.6	36.0	54.0

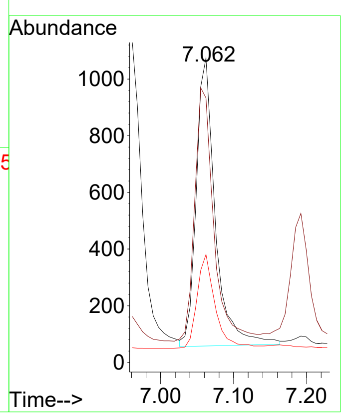


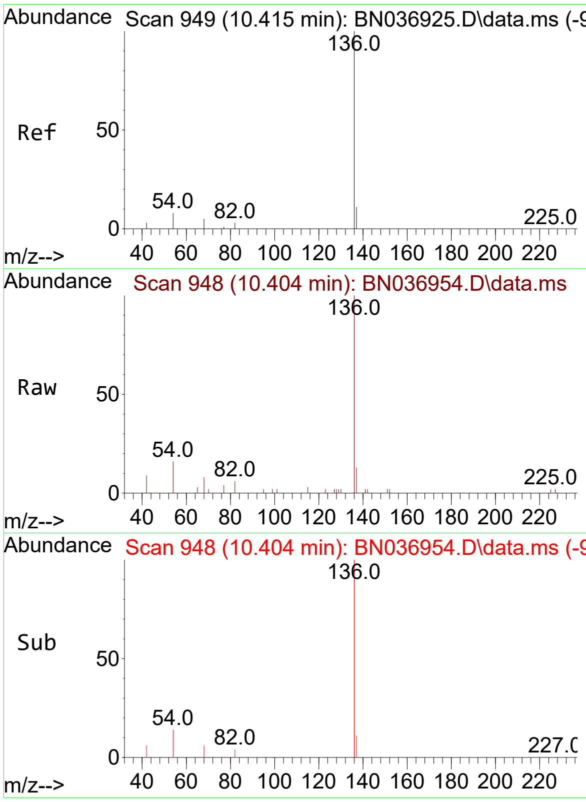


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion: 93 Resp: 1848

Ion	Ratio	Lower	Upper
93	100		
63	88.1	69.0	103.6
95	31.3	25.4	38.0





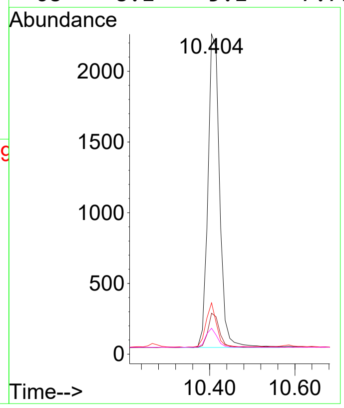
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 94

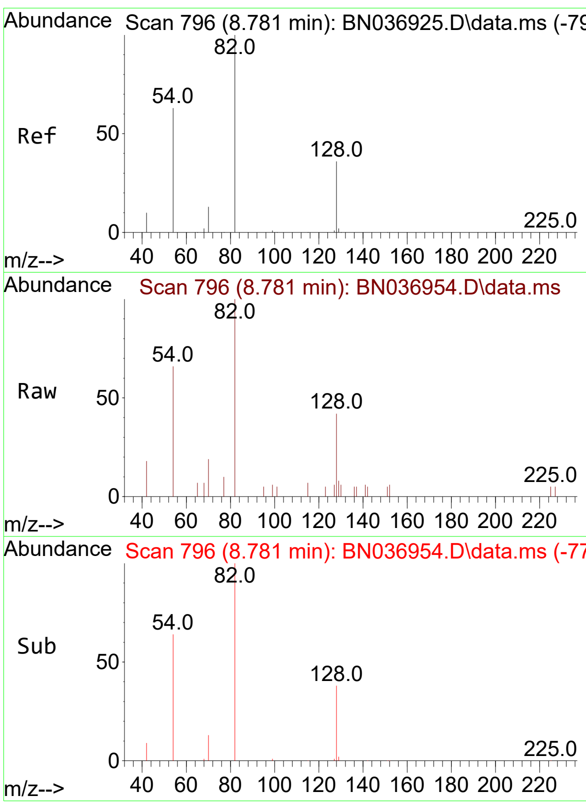
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Delta R.T. -0.011 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:136 Resp: 4216

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.7	14.5
54	16.0	8.0	12.0#
68	8.1	5.1	7.7#

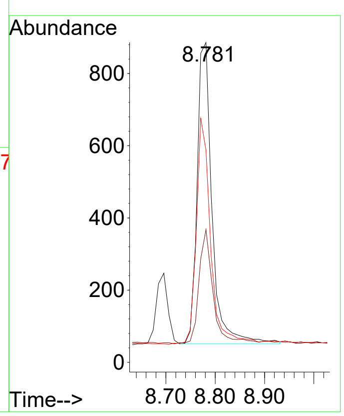


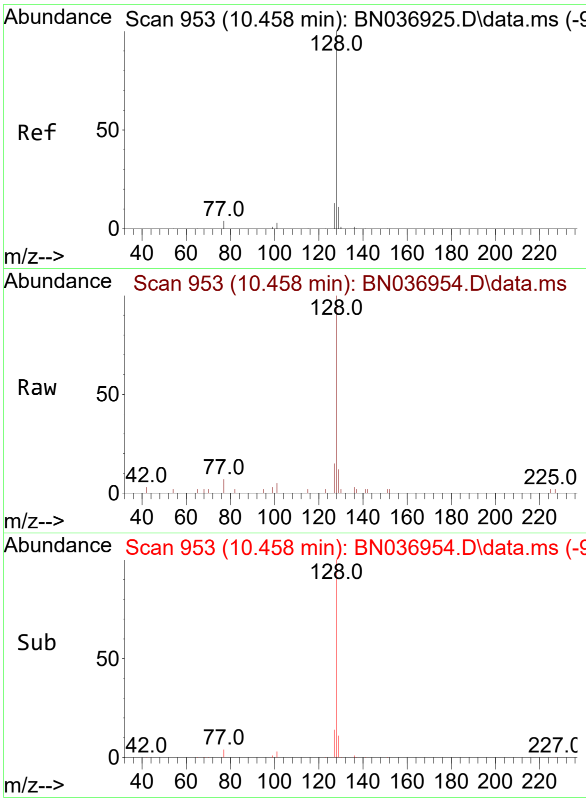


#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion: 82 Resp: 1762

Ion	Ratio	Lower	Upper
82	100		
128	41.5	30.7	46.1
54	66.3	52.1	78.1



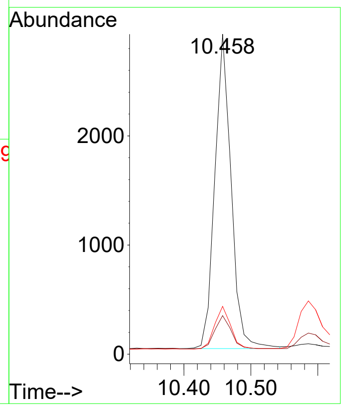


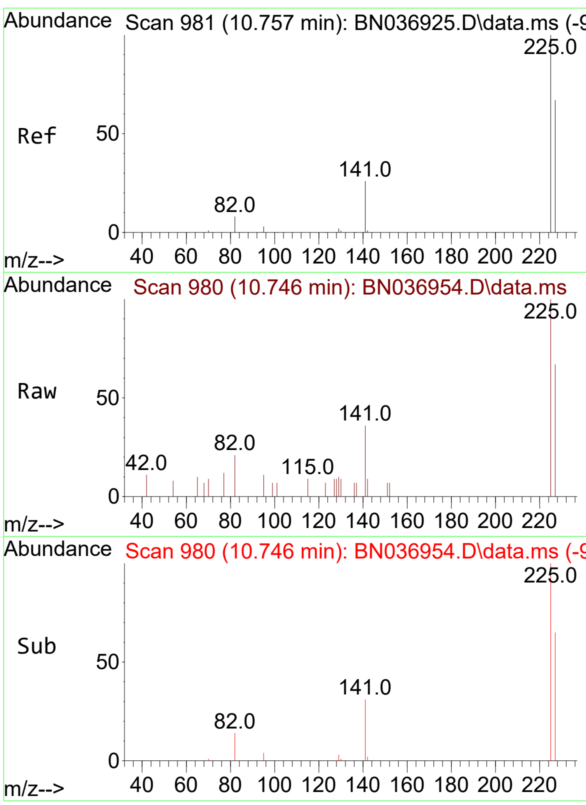
#9
Naphthalene
Concen: 0.396 ng
RT: 10.458 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 4864

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	14.9	11.4	17.2

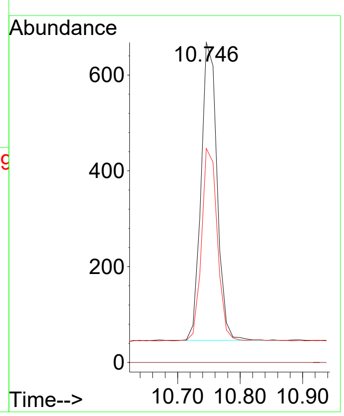


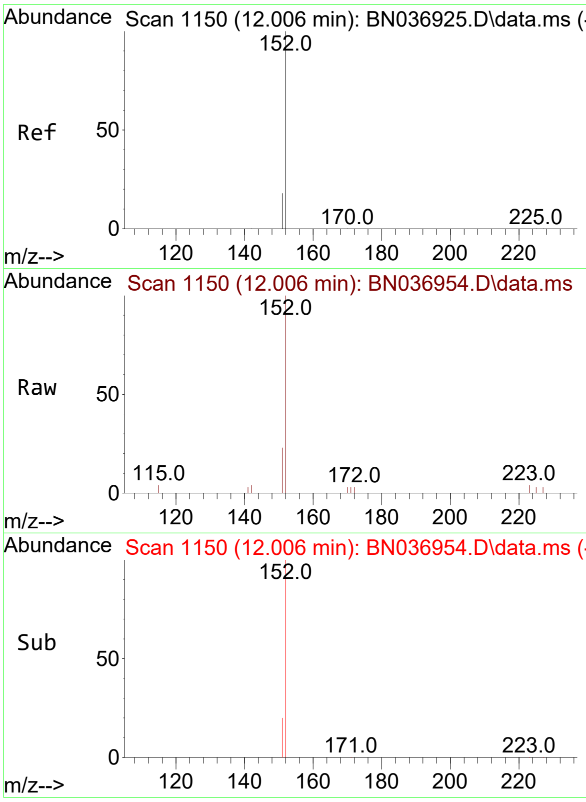


#10
Hexachlorobutadiene
Concen: 0.417 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.011 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:225 Resp: 1106

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	52.2	78.4



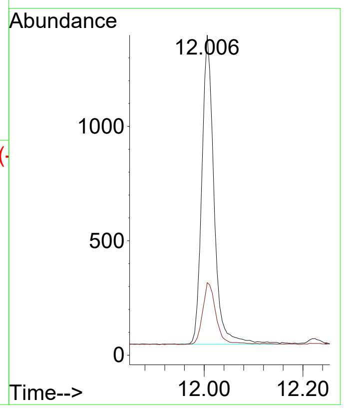


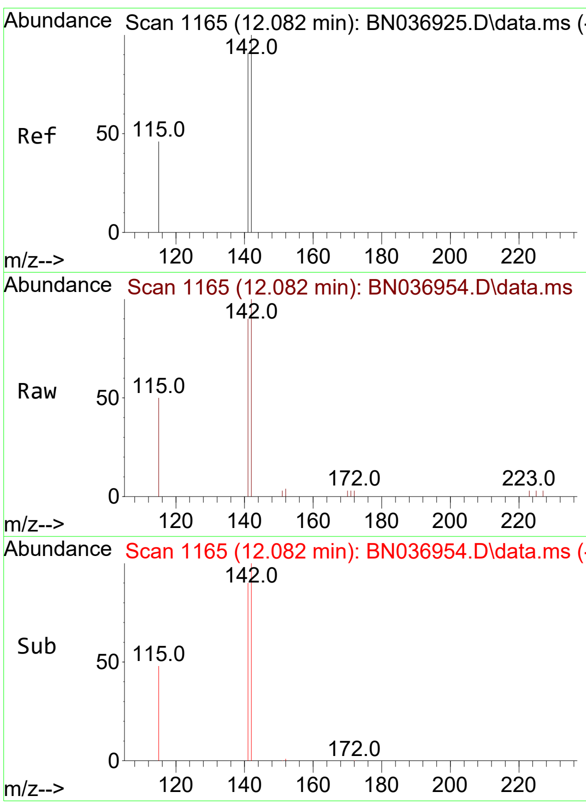
#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2321

Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.9	25.3

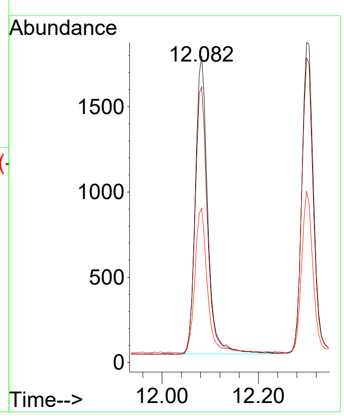


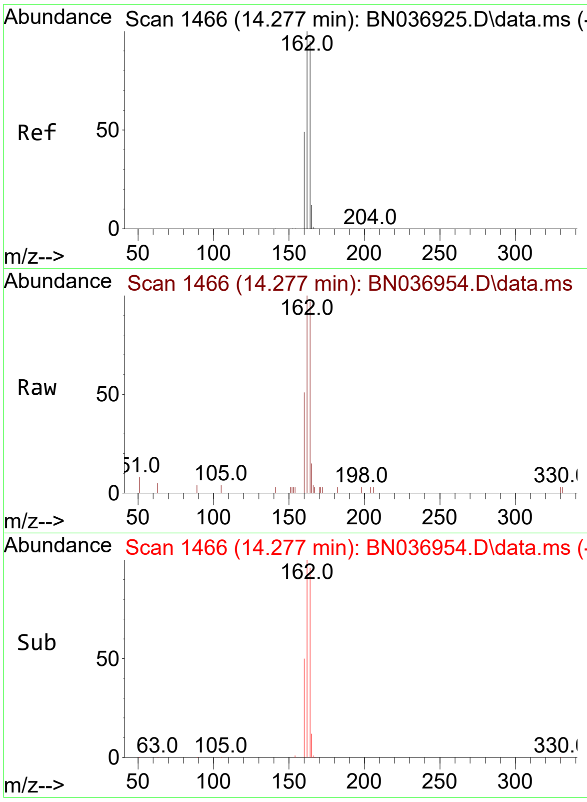


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:142 Resp: 3120

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.8	109.2
115	50.4	38.2	57.4



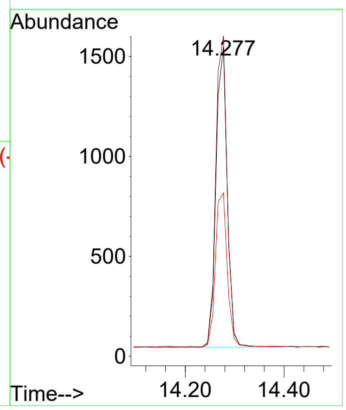


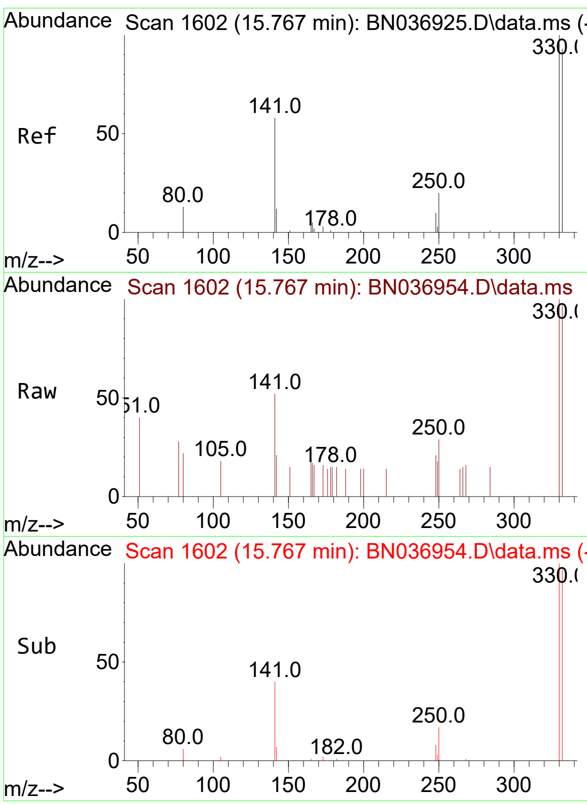
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 2363

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.8	125.8
160	52.8	42.0	63.0

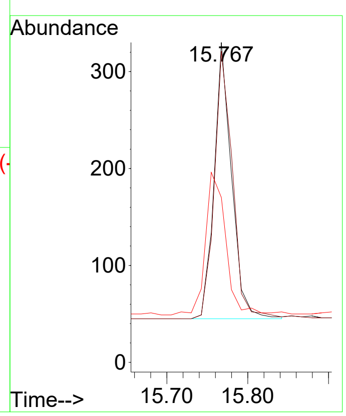


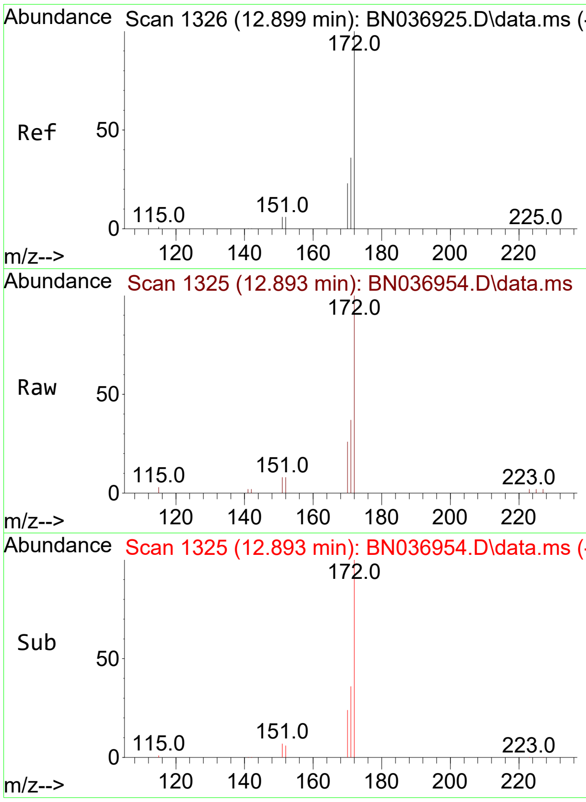


#14
2,4,6-Tribromophenol
Concen: 0.405 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:330 Resp: 427

Ion	Ratio	Lower	Upper
330	100		
332	102.1	76.3	114.5
141	60.4	45.4	68.2





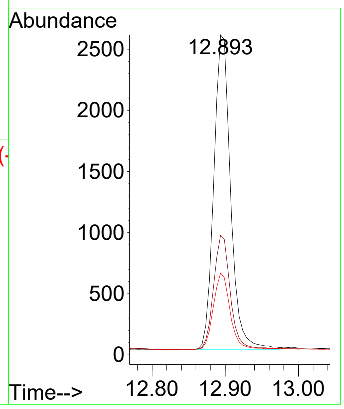
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.893 min Scan# 1

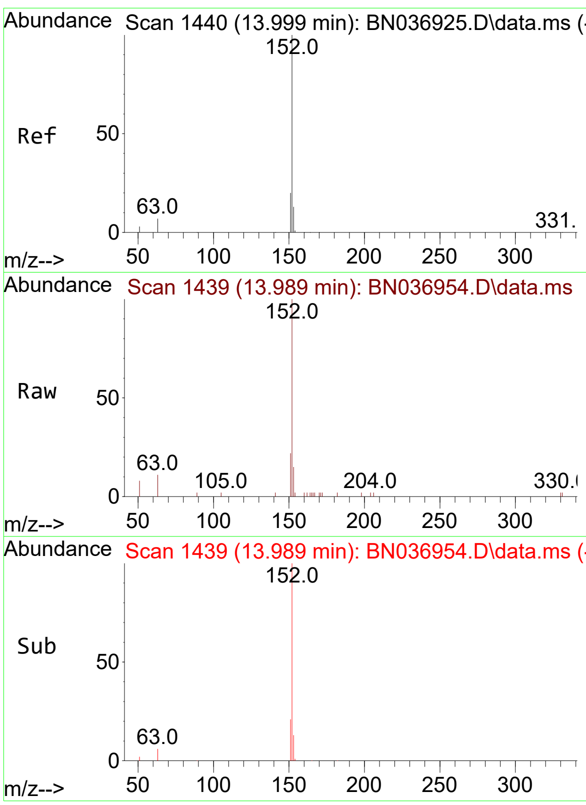
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Delta R.T. -0.005 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:172 Resp: 4100

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	25.6	19.4	29.0

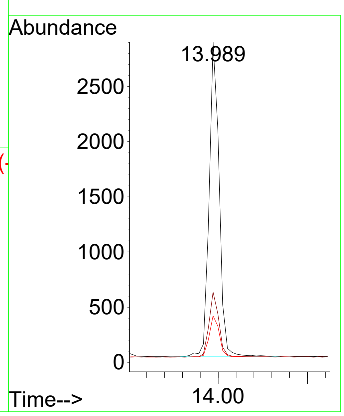


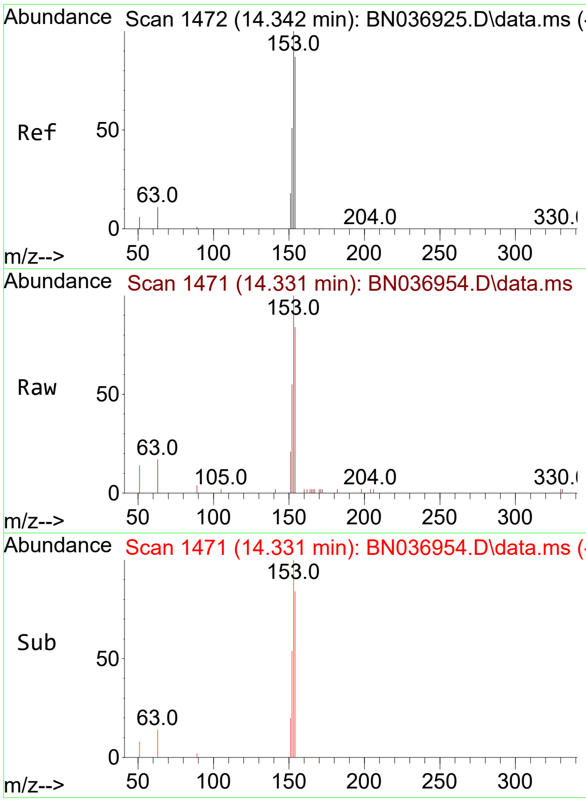


#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:152 Resp: 4465

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	13.3	10.2	15.2



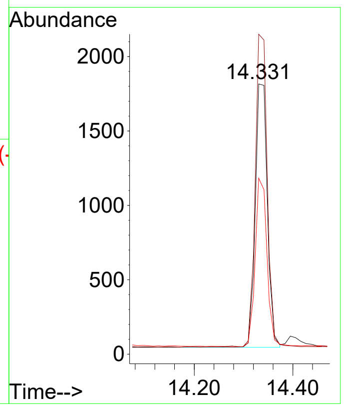


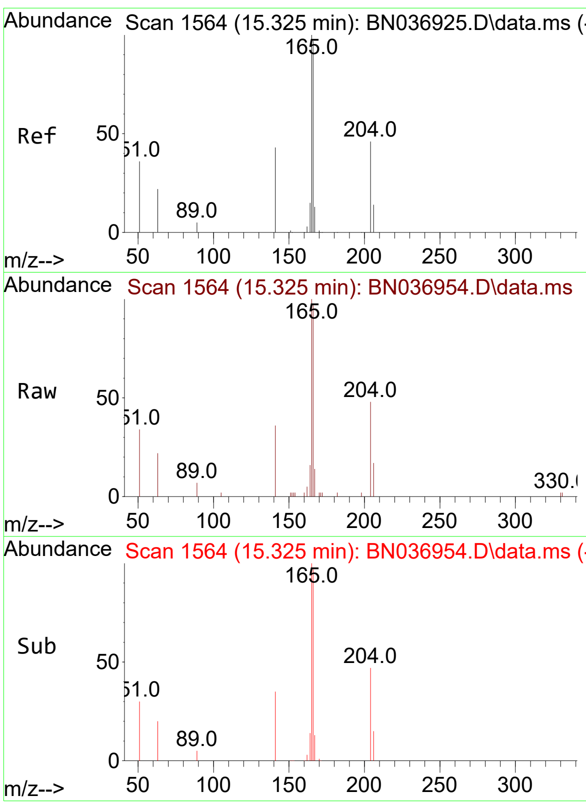
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.331 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 3013

Ion	Ratio	Lower	Upper
154	100		
153	118.4	93.4	140.2
152	62.5	49.5	74.3

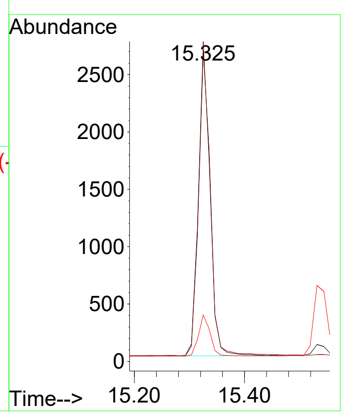


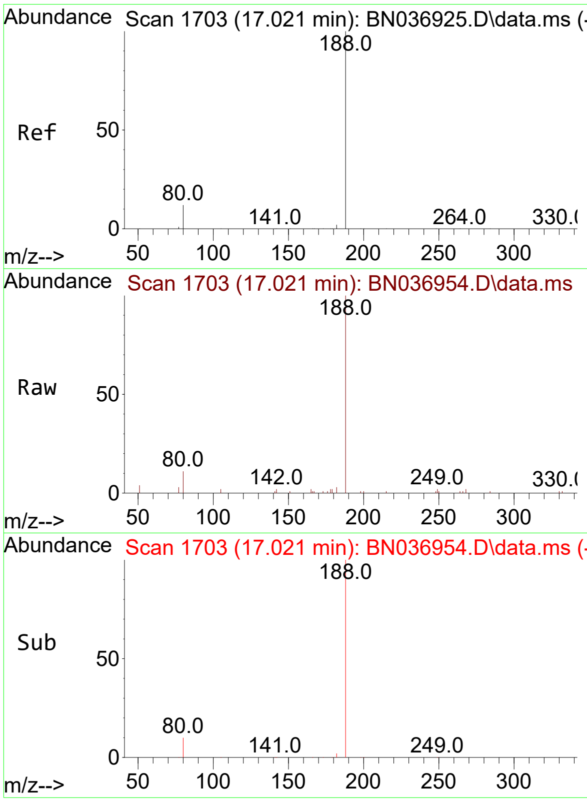


#18
Fluorene
Concen: 0.398 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:166 Resp: 3948

Ion	Ratio	Lower	Upper
166	100		
165	102.0	80.8	121.2
167	13.3	10.8	16.2



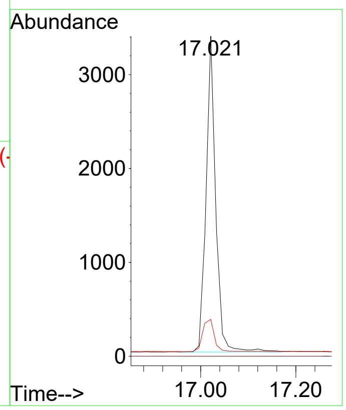


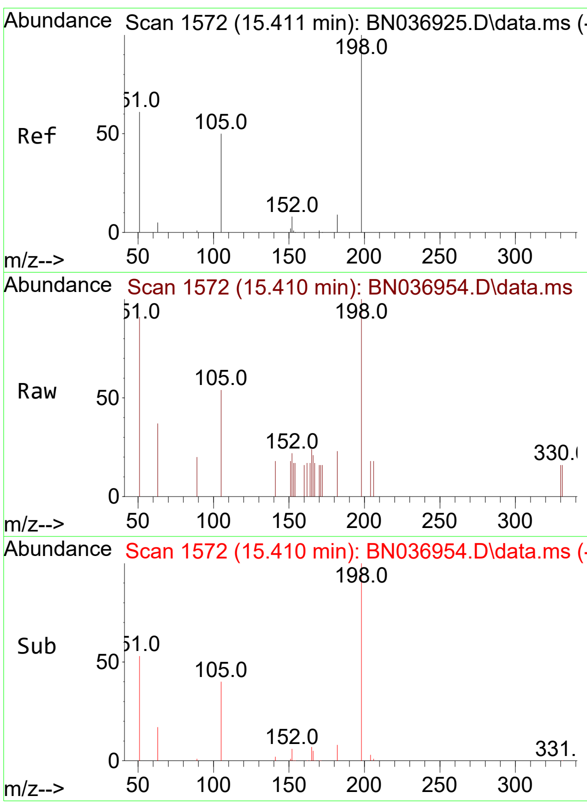
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 4774

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	10.7	16.1

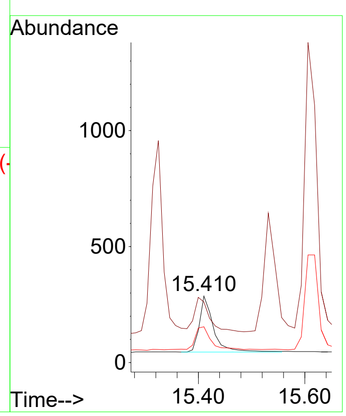


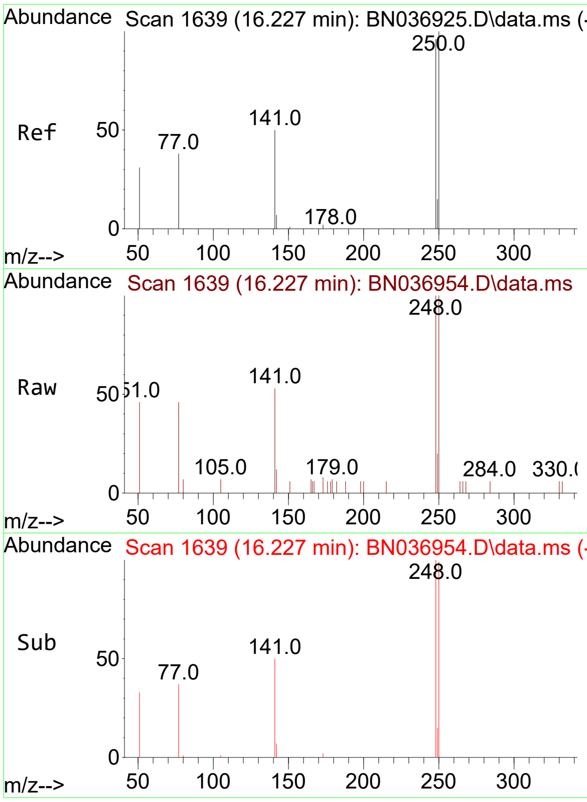


#20
4,6-Dinitro-2-methylphenol
Concen: 0.366 ng
RT: 15.410 min Scan# 1572
Delta R.T. -0.001 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:198 Resp: 463

Ion	Ratio	Lower	Upper
198	100		
51	90.9	97.9	146.9#
105	53.7	50.0	75.0



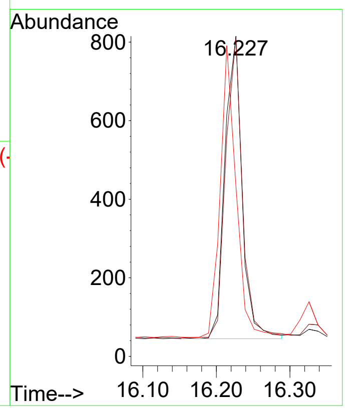


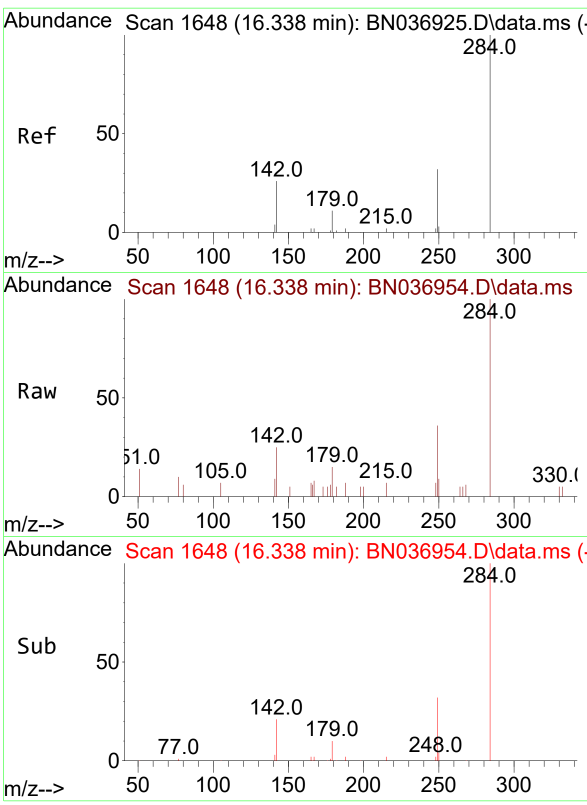
#21
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 16.227 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 1244

Ion	Ratio	Lower	Upper
248	100		
250	99.8	83.7	125.5
141	53.0	43.8	65.8

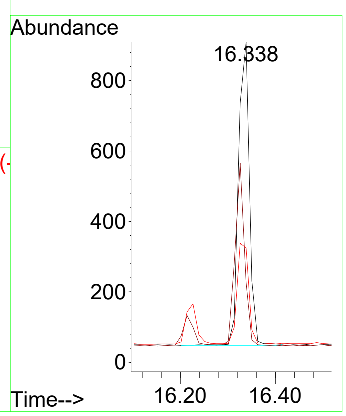


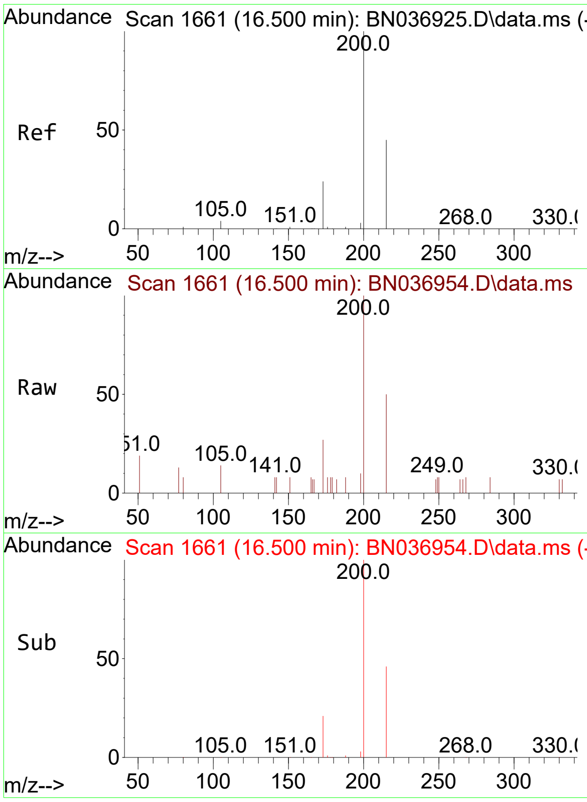


#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:284 Resp: 1379

Ion	Ratio	Lower	Upper
284	100		
142	52.6	40.0	60.0
249	35.5	28.2	42.2



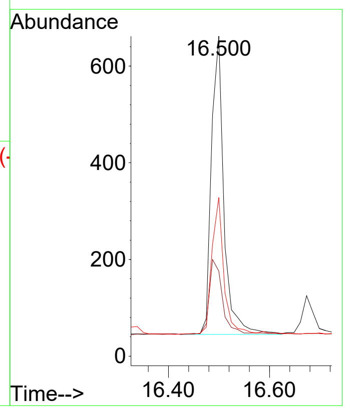


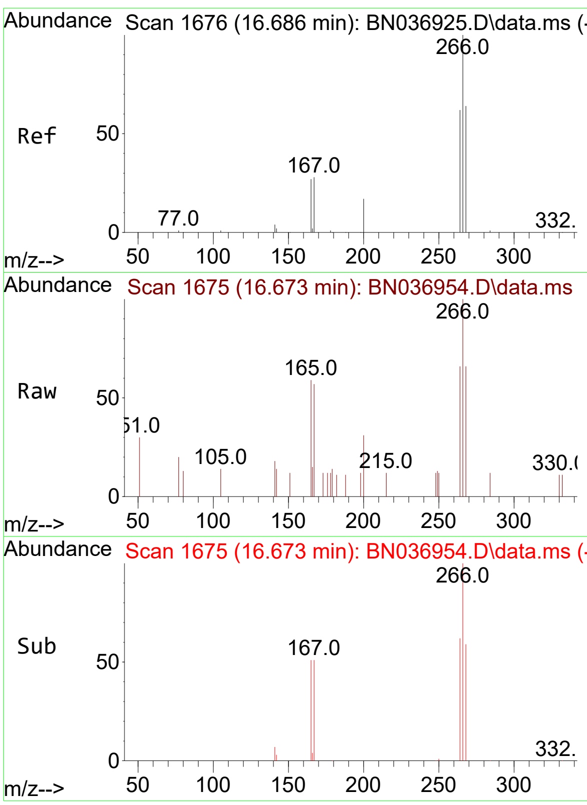
#23
Atrazine
Concen: 0.414 ng
RT: 16.500 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1064

Ion	Ratio	Lower	Upper
200	100		
173	26.6	22.4	33.6
215	49.5	38.6	57.8

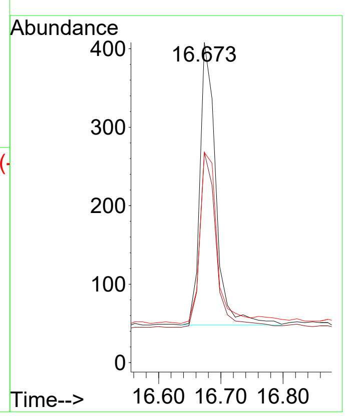


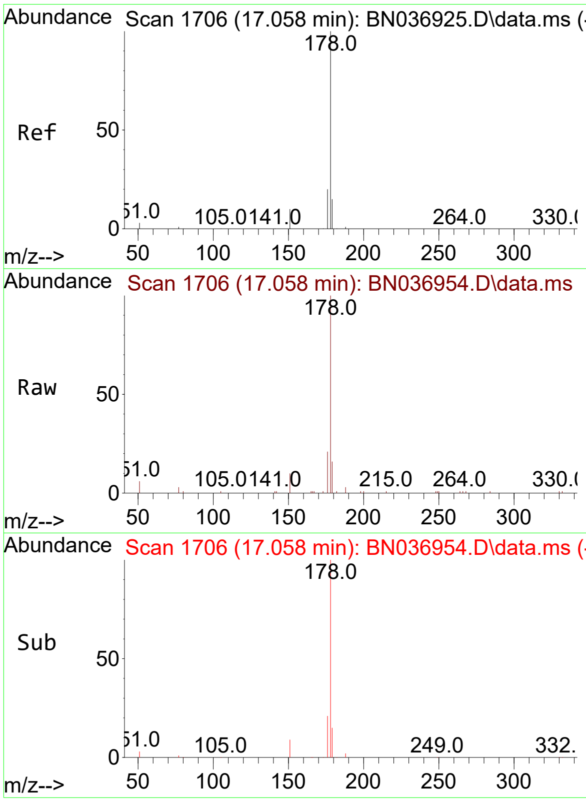


#24
Pentachlorophenol
Concen: 0.344 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:266 Resp: 644

Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.9	74.9
268	64.9	52.2	78.4





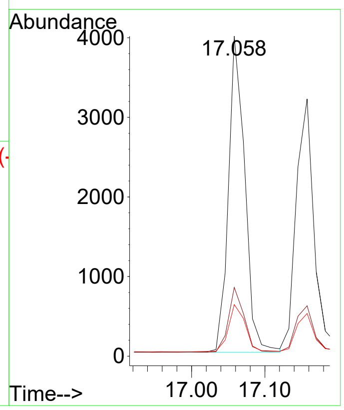
#25
Phenanthrene
Concen: 0.391 ng
RT: 17.058 min Scan# 1

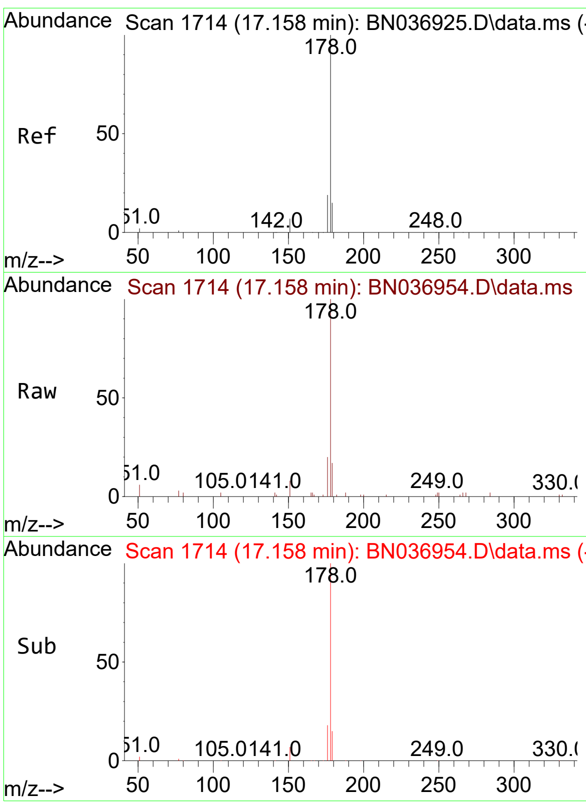
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:178 Resp: 6166

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.7	12.4	18.6

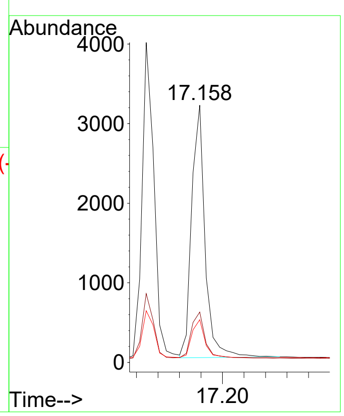


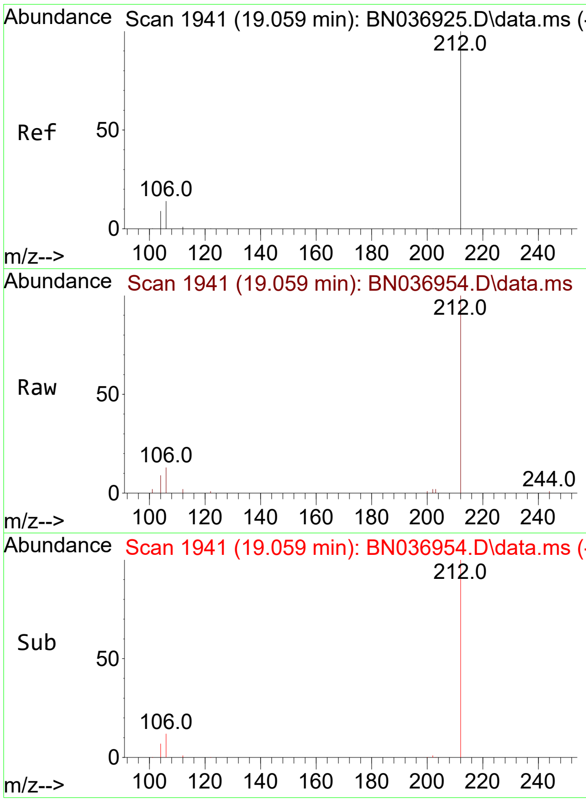


#26
Anthracene
Concen: 0.387 ng
RT: 17.158 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:178 Resp: 5520

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.0	12.1	18.1



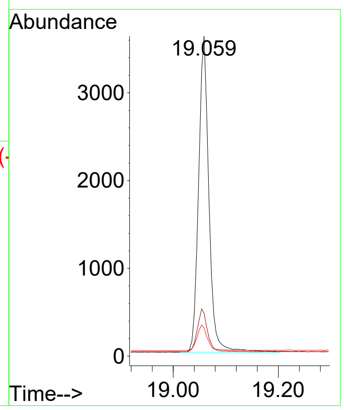


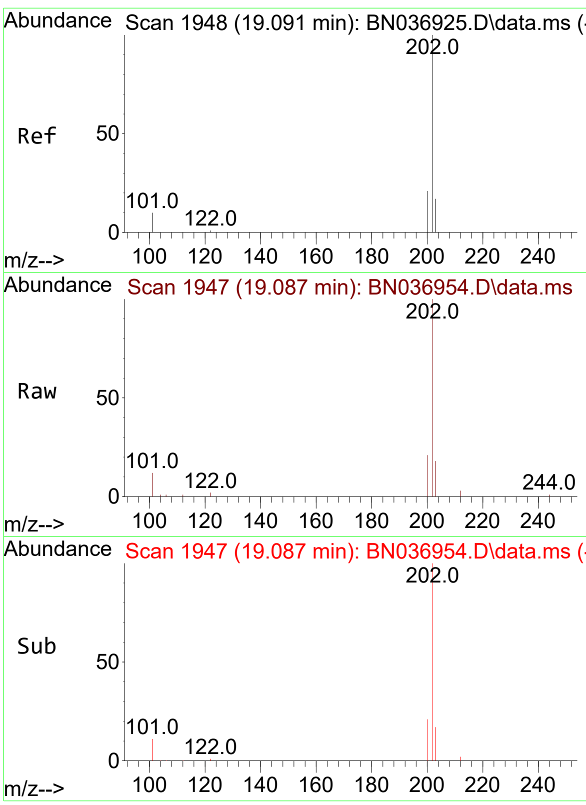
#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.059 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 4922

Ion	Ratio	Lower	Upper
212	100		
106	13.2	11.6	17.4
104	8.2	7.0	10.4

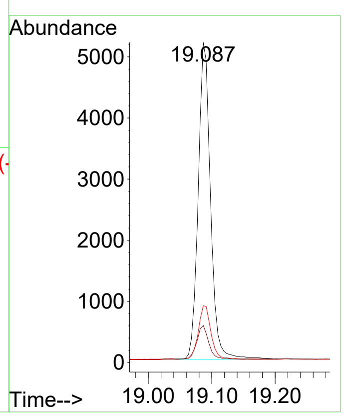


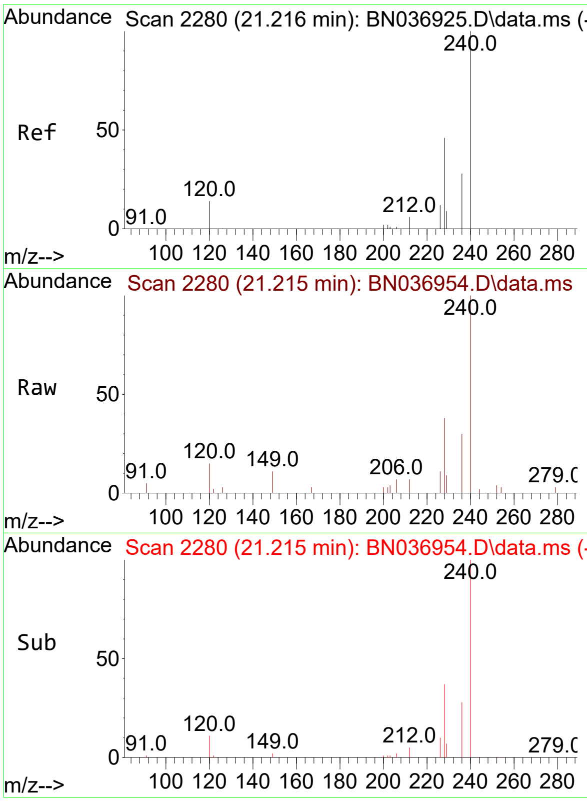


#28
Fluoranthene
Concen: 0.399 ng
RT: 19.087 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:202 Resp: 7047

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.5	12.7
203	16.8	13.7	20.5



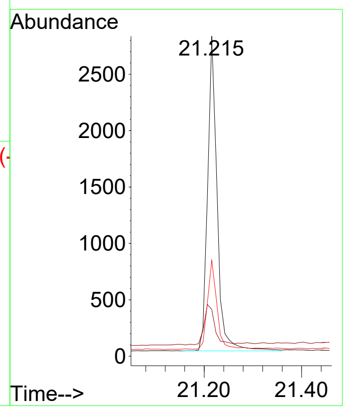


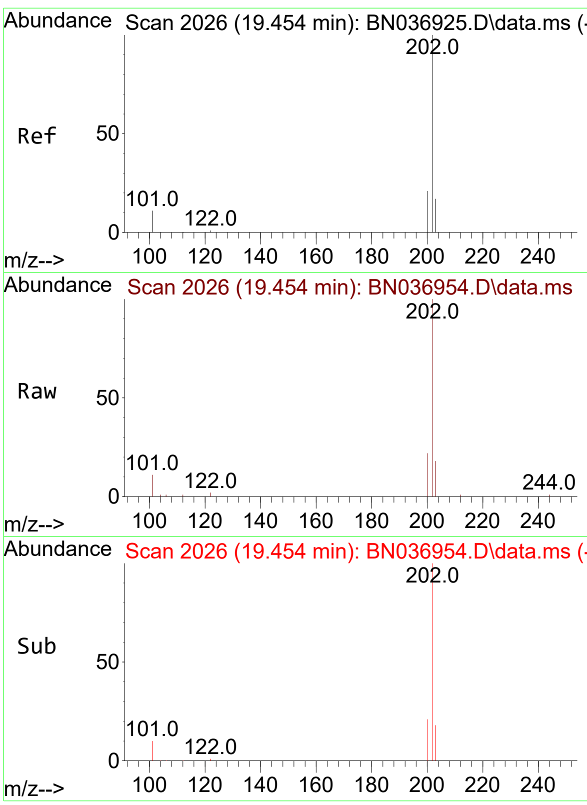
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 3800

Ion	Ratio	Lower	Upper
240	100		
120	14.6	14.1	21.1
236	30.0	23.8	35.8

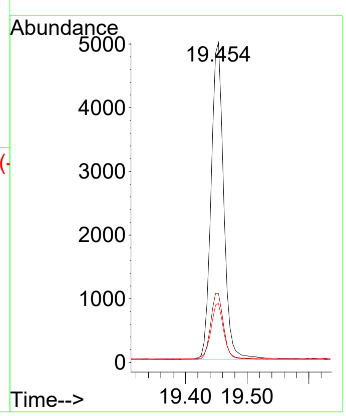


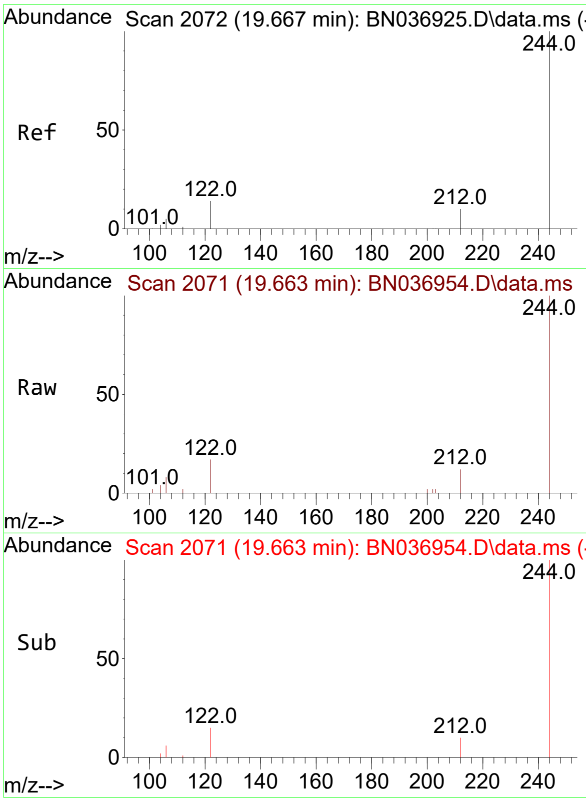


#30
Pyrene
Concen: 0.384 ng
RT: 19.454 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:202 Resp: 7025

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.7	14.0	21.0



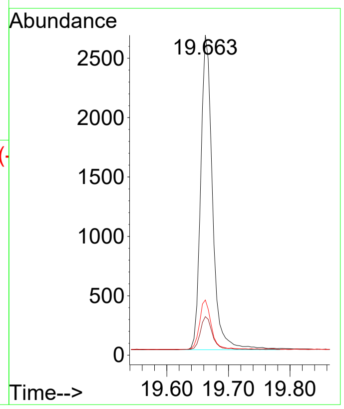


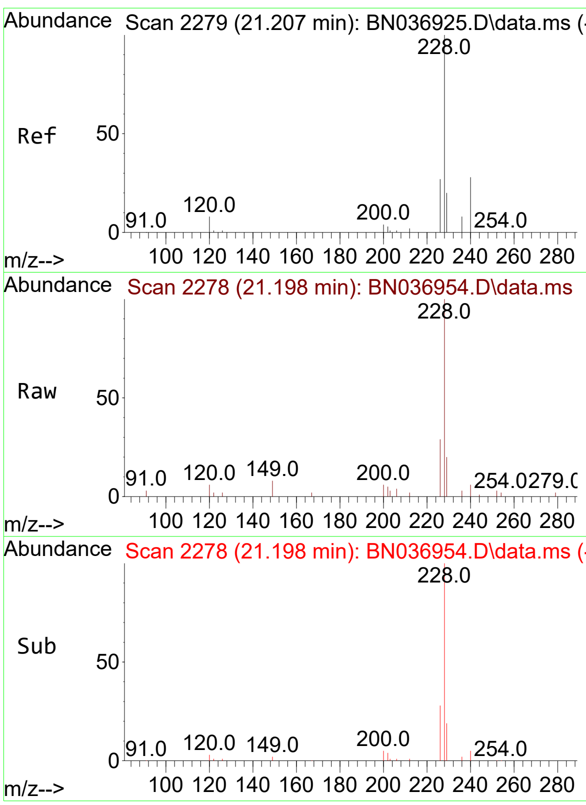
#31
Terphenyl-d14
Concen: 0.396 ng
RT: 19.663 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 3548

Ion	Ratio	Lower	Upper
244	100		
212	12.1	9.6	14.4
122	17.2	12.7	19.1

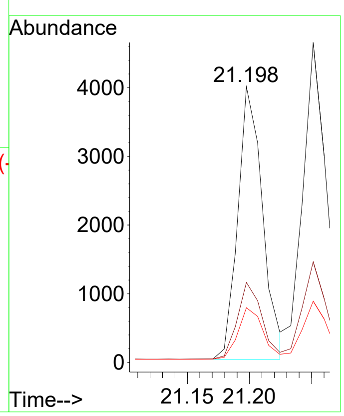


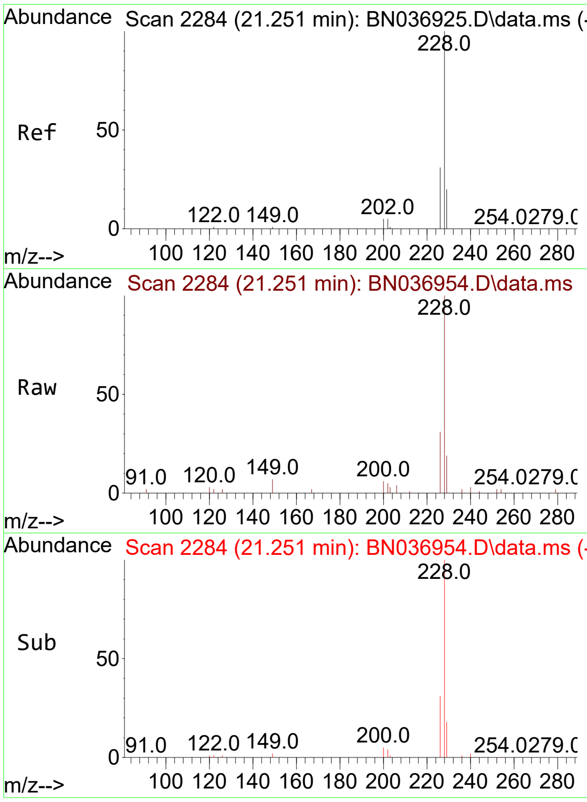


#32
Benzo(a)anthracene
Concen: 0.393 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:228 Resp: 5504

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.8	16.4	24.6



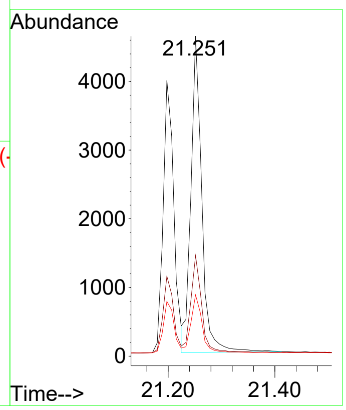


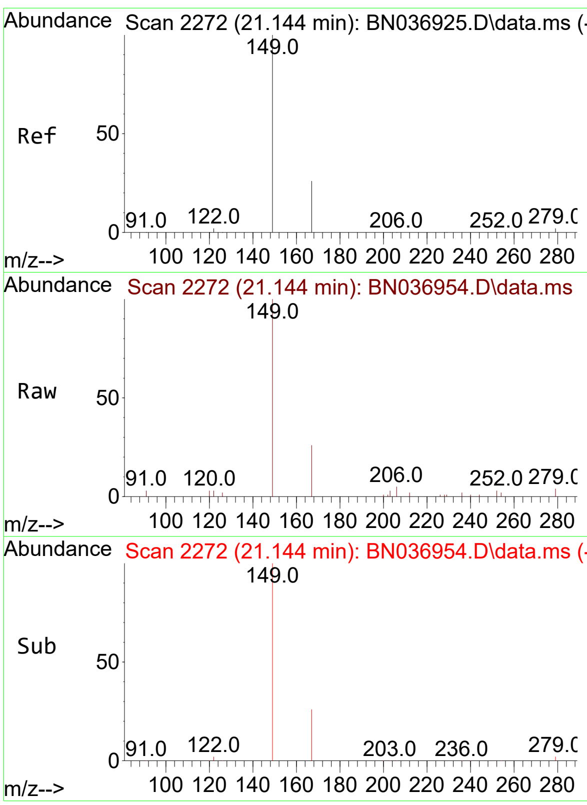
#33
Chrysene
Concen: 0.431 ng
RT: 21.251 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 6504

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.5	38.3
229	19.2	16.5	24.7

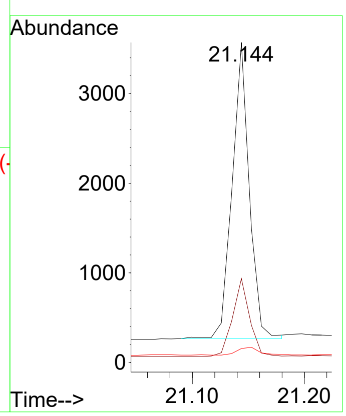


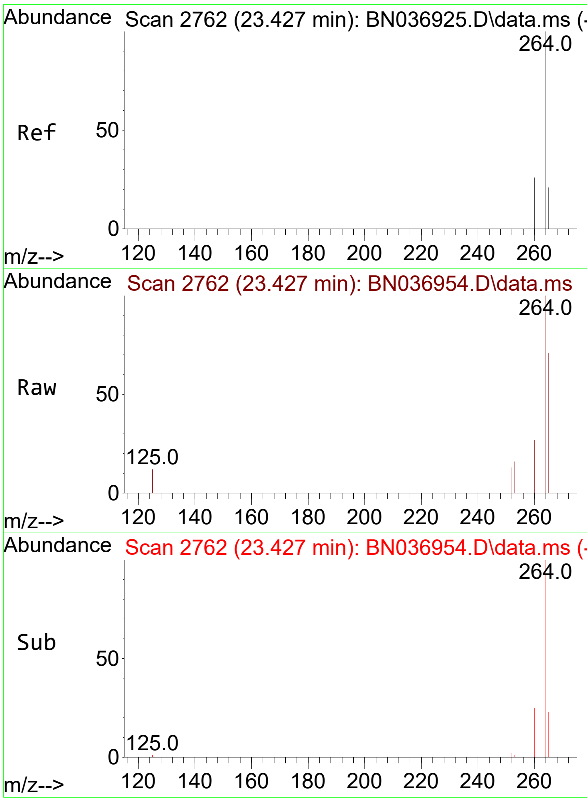


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.442 ng
RT: 21.144 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:149 Resp: 3519

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.6
279	3.4	2.7	4.1



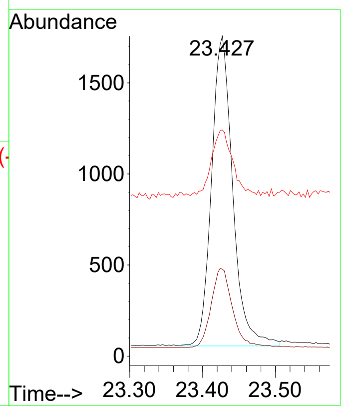


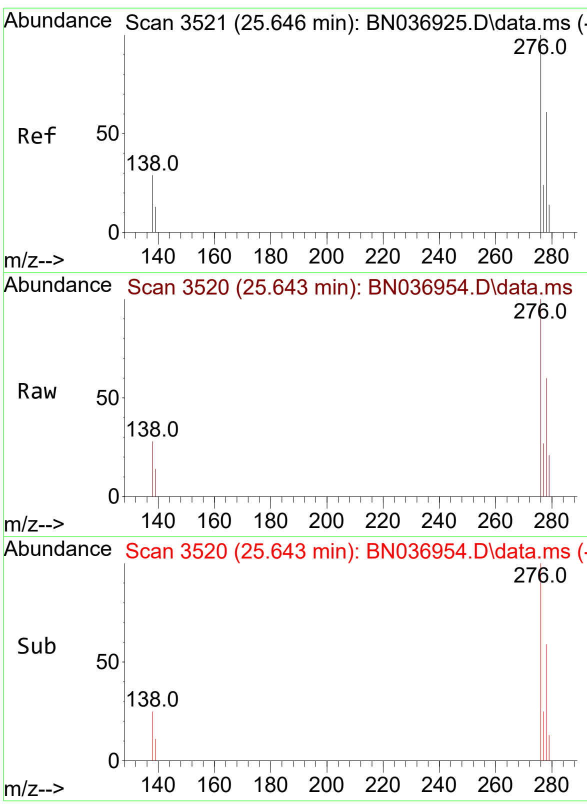
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 3445

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.2	33.2
265	70.7	65.8	98.6

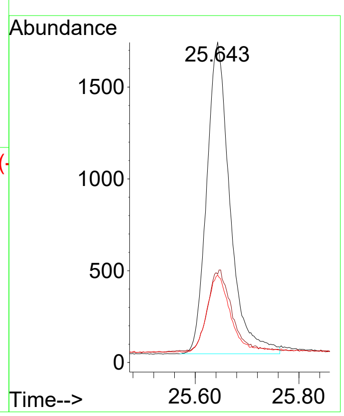


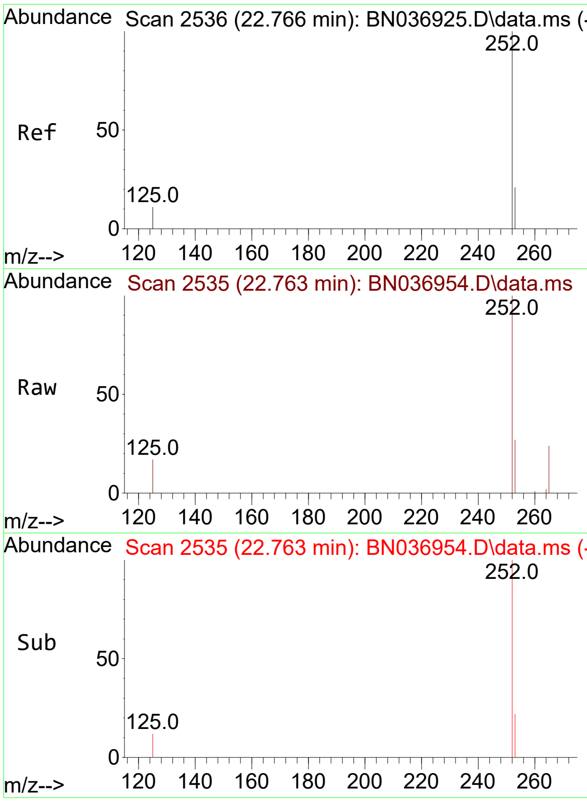


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.643 min Scan# 3520
Delta R.T. -0.003 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:276 Resp: 5296

Ion	Ratio	Lower	Upper
276	100		
138	26.5	23.0	34.6
277	24.6	20.0	30.0



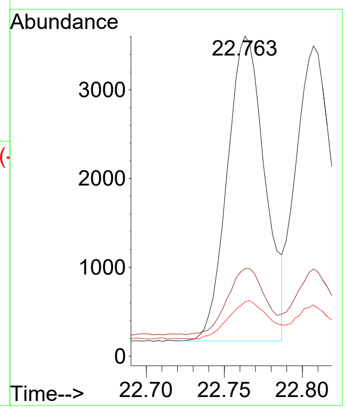


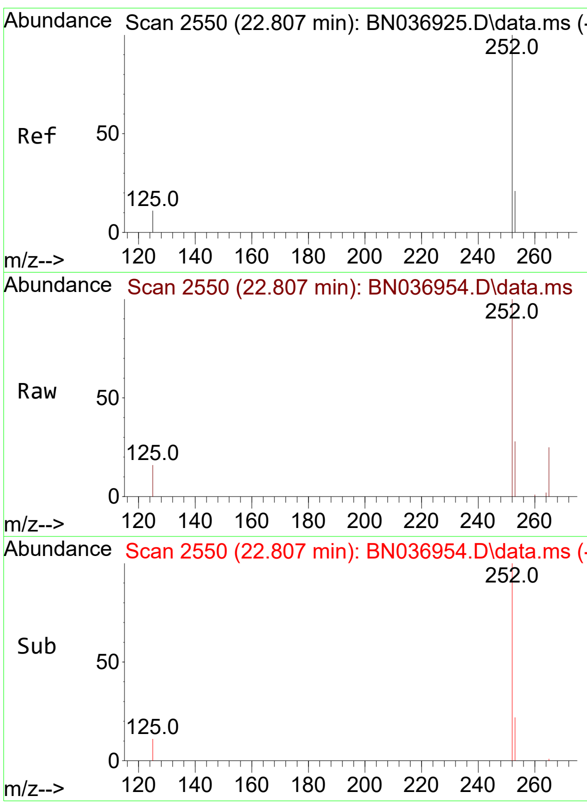
#37
Benzo(b)fluoranthene
Concen: 0.397 ng
RT: 22.763 min Scan# 2!
Delta R.T. -0.003 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 5755

Ion	Ratio	Lower	Upper
252	100		
253	27.3	22.1	33.1
125	17.0	14.2	21.2

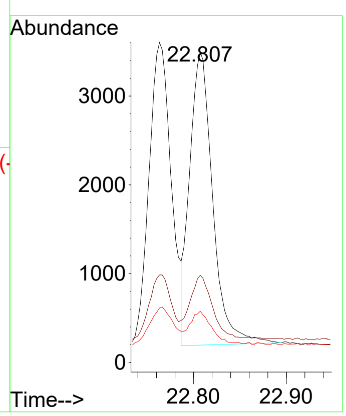


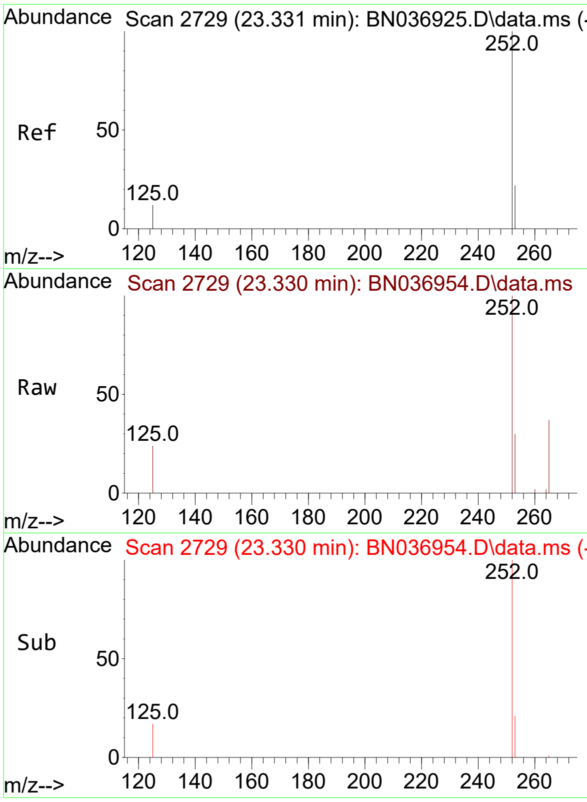


#38
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 22.807 min Scan# 2550
Delta R.T. -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:252 Resp: 5713

Ion	Ratio	Lower	Upper
252	100		
253	28.1	22.8	34.2
125	16.5	14.2	21.2



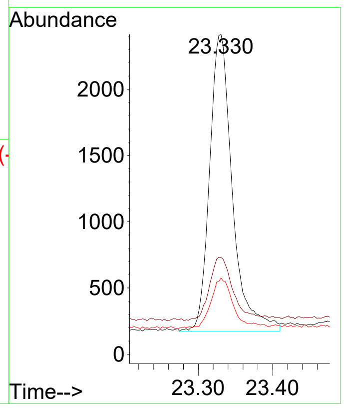


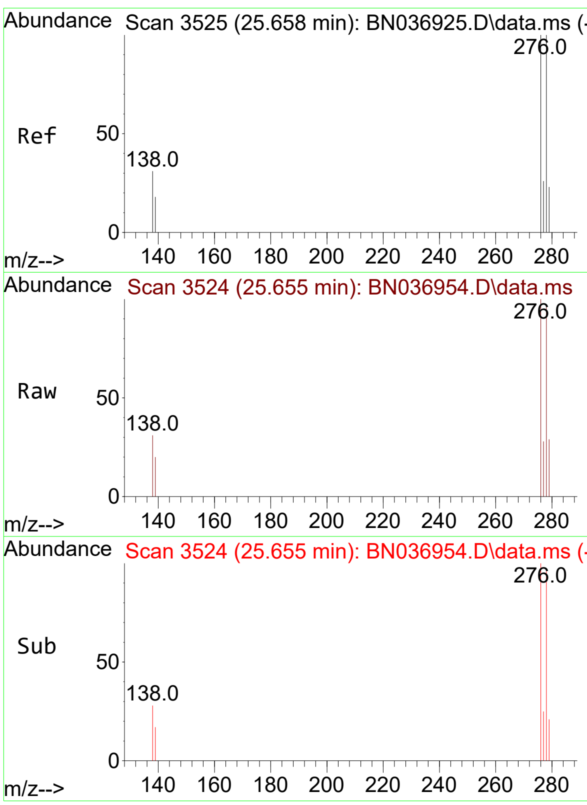
#39
Benzo(a)pyrene
Concen: 0.400 ng
RT: 23.330 min Scan# 2
Delta R.T.   -0.000 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 4761

Ion	Ratio	Lower	Upper
252	100		
253	30.3	25.9	38.9
125	23.8	17.4	26.0

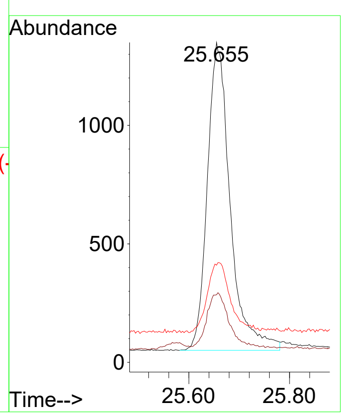


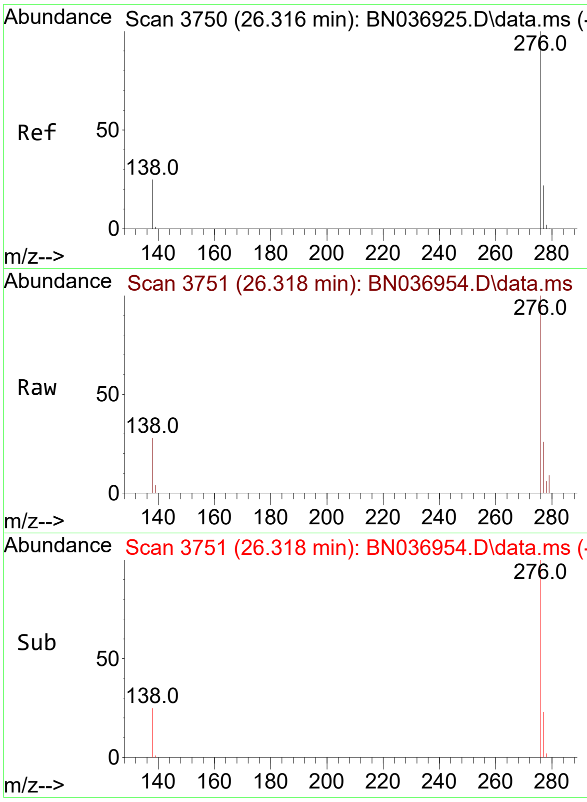


#40
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 25.655 min Scan# 3524
Delta R.T.   -0.003 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Tgt Ion:278 Resp: 4096

Ion	Ratio	Lower	Upper
278	100		
139	21.1	17.4	26.2
279	30.4	24.9	37.3





#41
Benzo(g,h,i)perylene
Concen: 0.378 ng
RT: 26.318 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN036954.D
Acq: 30 Apr 2025 19:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 4647

Ion	Ratio	Lower	Upper
276	100		
277	26.3	20.2	30.2
138	27.7	21.9	32.9