Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036929.D
Acq On : 28 Apr 2025 15:12
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Apr 28 15:34:02 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 15:18:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.632	152	2667	0.400	ng		0.00
7) Naphthalene-d8	10.415	136	6741	0.400	ng		0.00
13) Acenaphthene-d10	14.277	164	4034	0.400	ng		0.00
19) Phenanthrene-d10	17.021	188	7924	0.400	ng		0.00
29) Chrysene-d12	21.215	240	7034	0.400	ng		0.00
35) Perylene-d12	23.427	264	5350	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.220	112	32346	4.701	ng		0.00
5) Phenol-d6	6.802	99	42419	5.060	ng		0.00
8) Nitrobenzene-d5	8.781	82	36759	5.249	ng		0.00
11) 2-Methylnaphthalene-d10	12.006	152	49610	5.308	ng		0.00
14) 2,4,6-Tribromophenol	15.767	330	9898	5.599	ng		0.00
15) 2-Fluorobiphenyl	12.898	172	97228	4.984	ng		0.00
27) Fluoranthene-d10	19.058	212	110482	5.447	ng		0.00
31) Terphenyl-d14	19.662	244	78873	4.712	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.147	88	15494	4.610	ng		96
3) n-Nitrosodimethylamine	3.458	42	30605	4.705	ng	#	98
6) bis(2-Chloroethyl)ether	7.062	93	38731	4.973	ng		99
9) Naphthalene	10.457	128	98160	5.004	ng		98
10) Hexachlorobutadiene	10.756	225	20245	4.733	ng	#	98
12) 2-Methylnaphthalene	12.082	142	67281	5.359	ng		98
16) Acenaphthylene	13.988	152	104172	5.334	ng		100
17) Acenaphthene	14.341	154	65801	5.093	ng		98
18) Fluorene	15.325	166	88362	5.254	ng		99
20) 4,6-Dinitro-2-methylph...	15.410	198	13303	6.700	ng	#	52
21) 4-Bromophenyl-phenylether	16.226	248	26778	5.074	ng		94
22) Hexachlorobenzene	16.338	284	27944	4.793	ng		99
23) Atrazine	16.499	200	24525	5.893	ng	#	91
24) Pentachlorophenol	16.673	266	17963	5.937	ng		99
25) Phenanthrene	17.058	178	133437	5.119	ng		99
26) Anthracene	17.157	178	128680	5.520	ng		100
28) Fluoranthene	19.091	202	159754	5.533	ng		99
30) Pyrene	19.453	202	160324	4.691	ng		100
32) Benzo(a)anthracene	21.206	228	137209	5.349	ng		98
33) Chrysene	21.251	228	135038	4.807	ng		98
34) Bis(2-ethylhexyl)phtha...	21.143	149	76115	5.194	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.649	276	107583	4.911	ng		97
37) Benzo(b)fluoranthene	22.766	252	122058	5.504	ng	#	89
38) Benzo(k)fluoranthene	22.810	252	119359	5.325	ng	#	87
39) Benzo(a)pyrene	23.333	252	98753	5.402	ng	#	82
40) Dibenzo(a,h)anthracene	25.660	278	84789	4.920	ng	#	91
41) Benzo(g,h,i)perylene	26.324	276	89523	4.643	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
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Operator : RC/JU
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Misc :
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Instrument :
BNA_N
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Quant Time: Apr 28 15:34:02 2025
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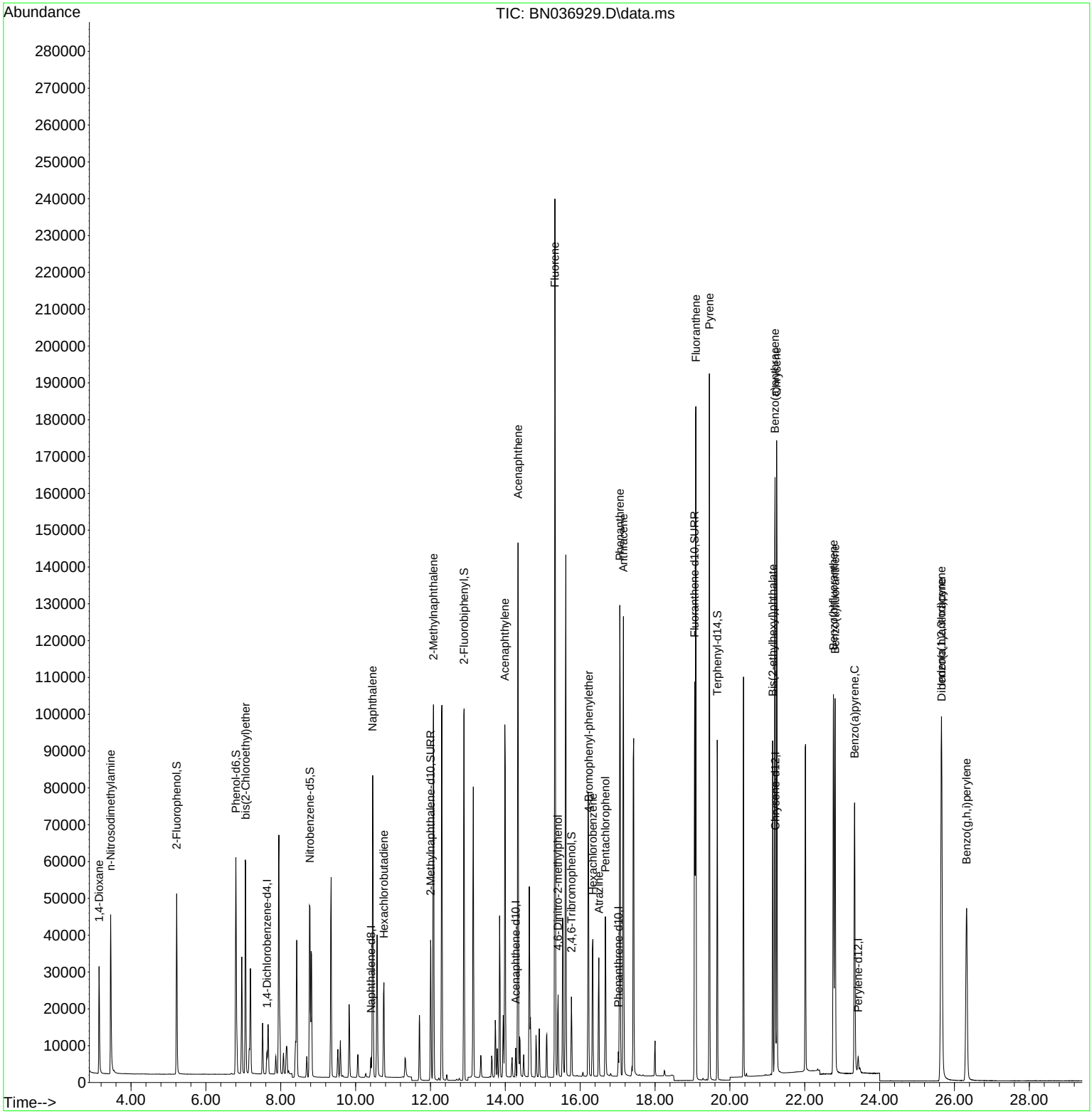
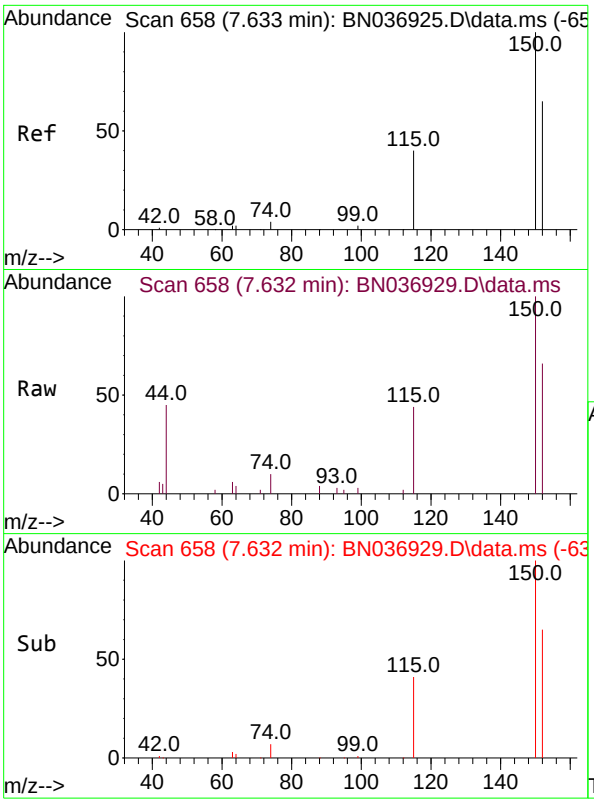
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:18:01 2025
Response via : Initial Calibration



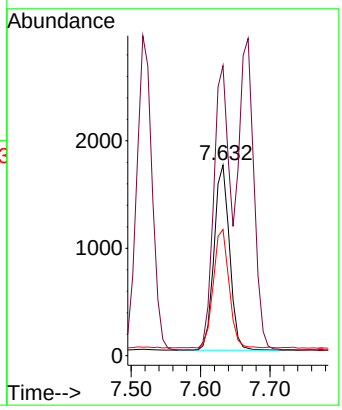


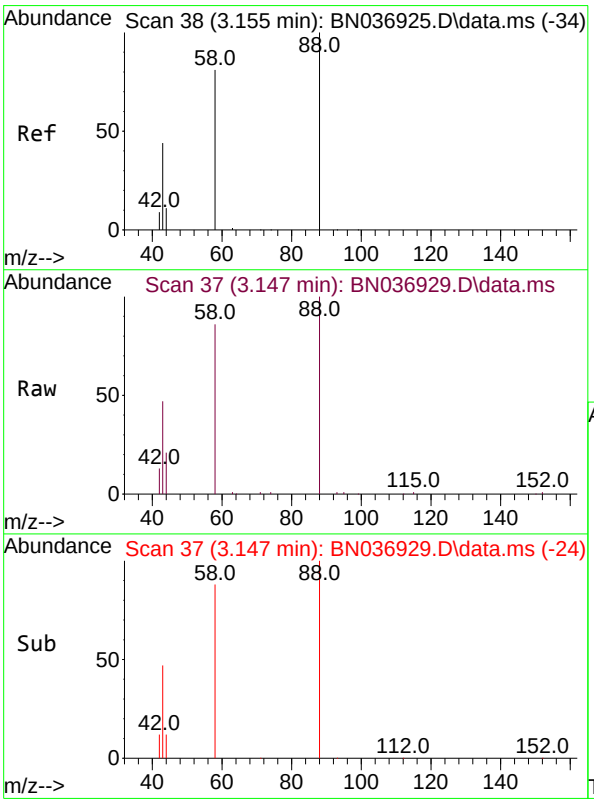
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.632 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2667

Ion	Ratio	Lower	Upper
152	100		
150	152.3	121.1	181.7
115	66.3	51.8	77.6

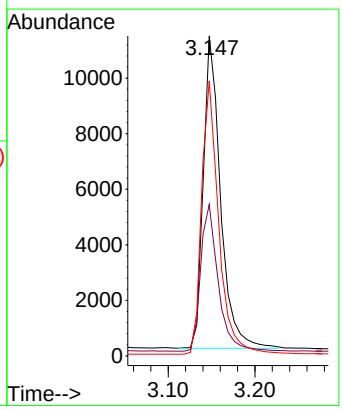


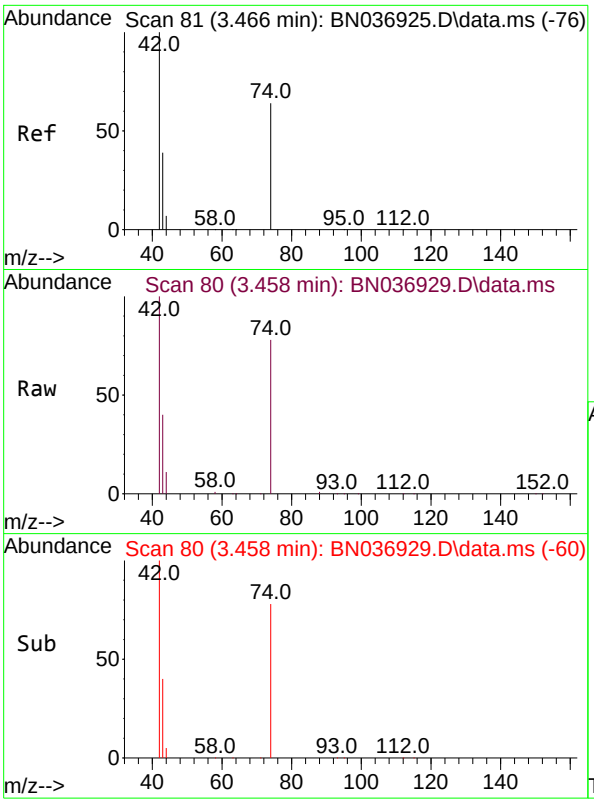


#2
1,4-Dioxane
Concen: 4.610 ng
RT: 3.147 min Scan# 37
Delta R.T. -0.008 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 88 Resp: 15494

Ion	Ratio	Lower	Upper
88	100		
43	47.8	37.9	56.9
58	87.2	65.8	98.6



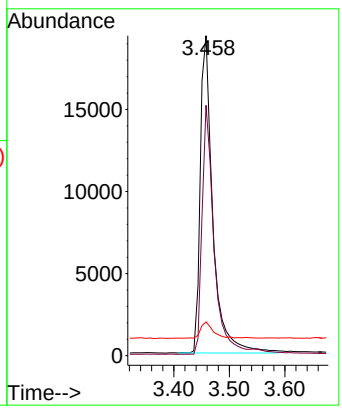


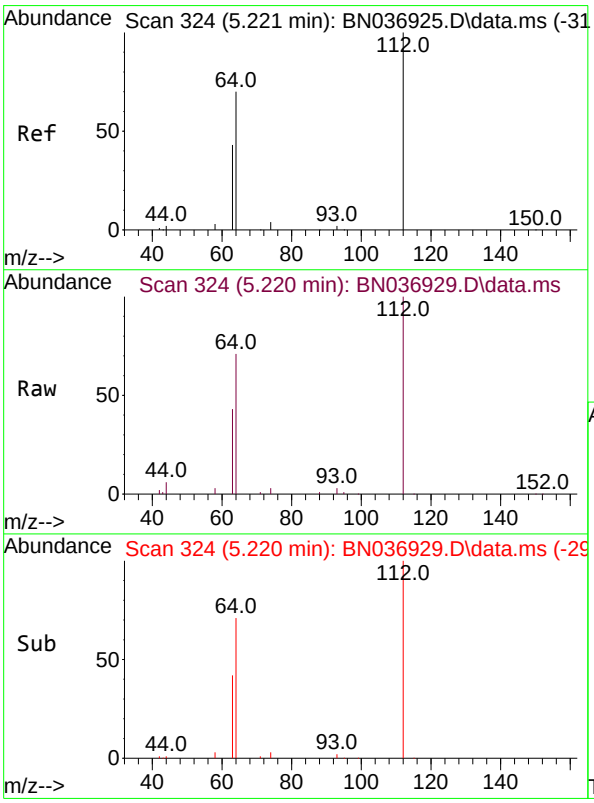
#3
n-Nitrosodimethylamine
Concen: 4.705 ng
RT: 3.458 min Scan# 8
Delta R.T. -0.008 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 30605

Ion	Ratio	Lower	Upper
42	100		
74	75.7	59.9	89.9
44	5.2	7.5	11.3#

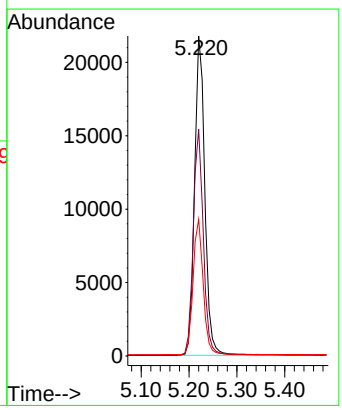


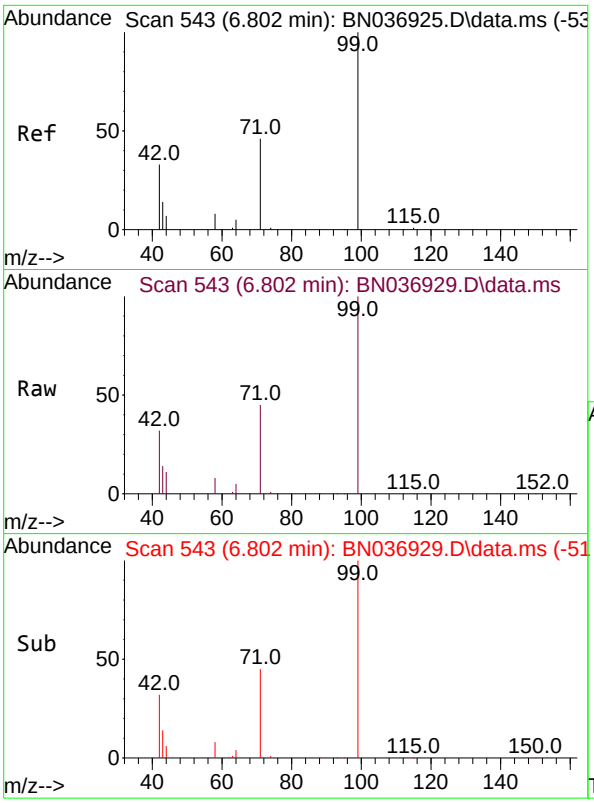


#4
2-Fluorophenol
Concen: 4.701 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:112 Resp: 32346

Ion	Ratio	Lower	Upper
112	100		
64	69.9	55.7	83.5
63	42.2	33.9	50.9



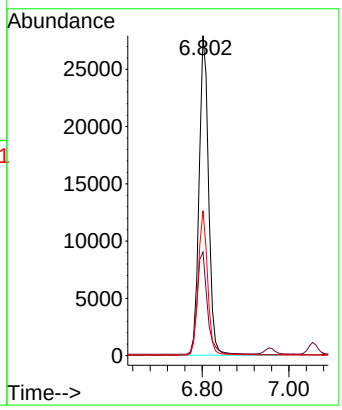


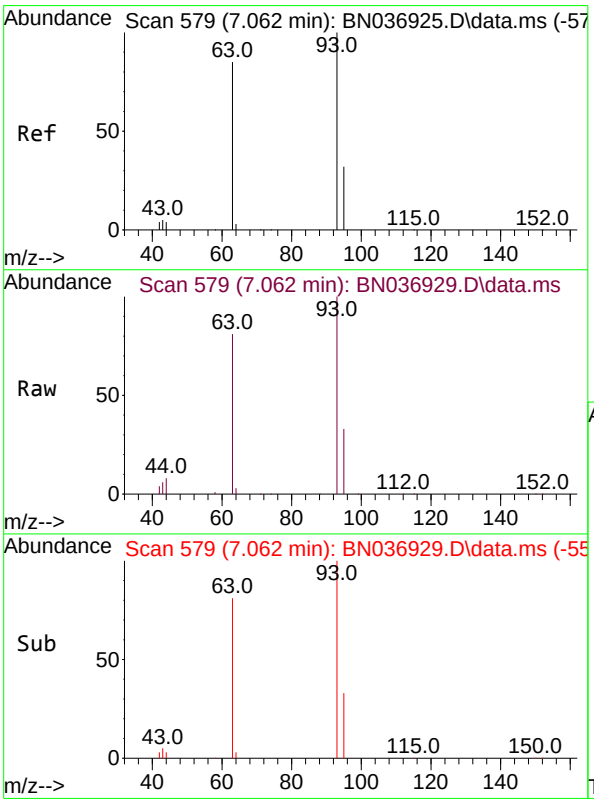
#5
Phenol-d6
Concen: 5.060 ng
RT: 6.802 min Scan# 54
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 42419

Ion	Ratio	Lower	Upper
99	100		
42	34.6	29.6	44.4
71	44.3	36.0	54.0

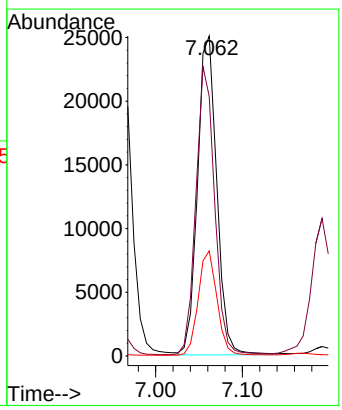


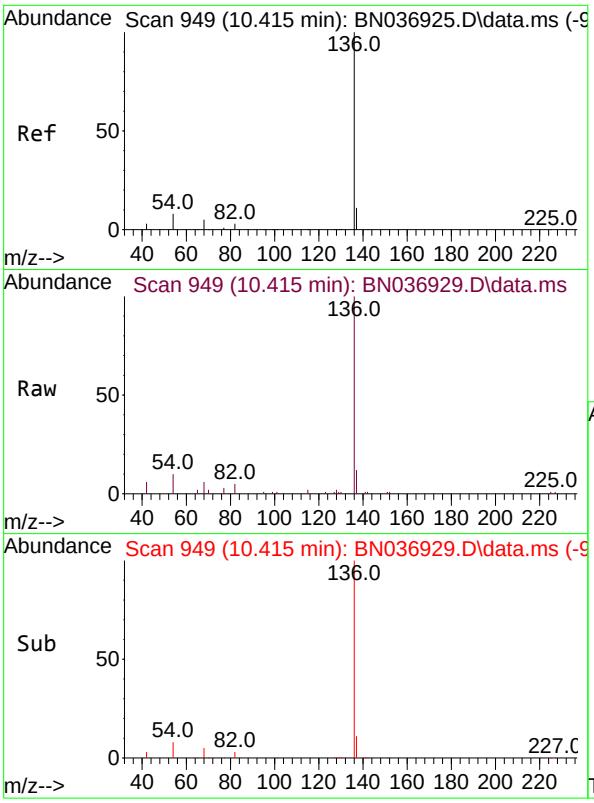


#6
bis(2-Chloroethyl)ether
Concen: 4.973 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 93 Resp: 38731

Ion	Ratio	Lower	Upper
93	100		
63	87.6	69.0	103.6
95	32.0	25.4	38.0



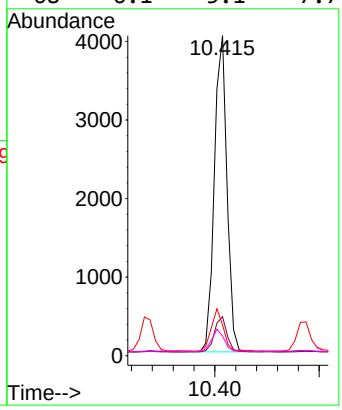


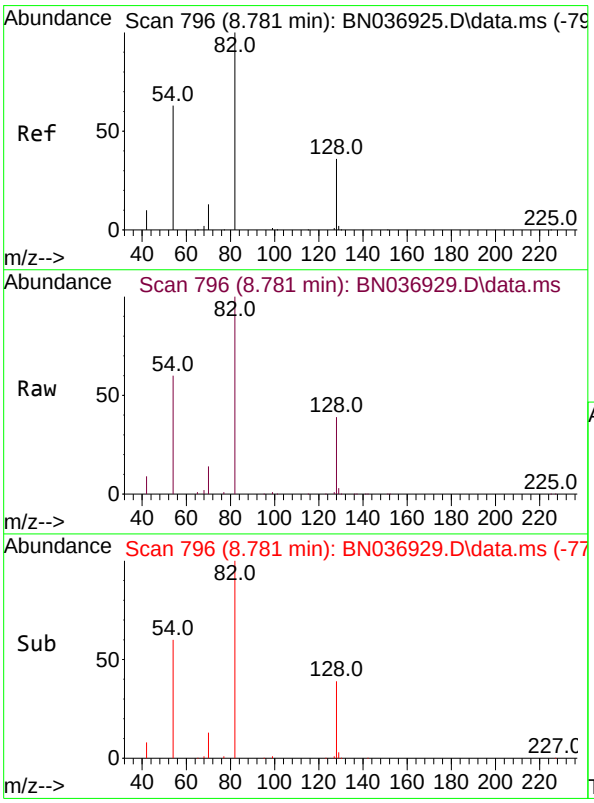
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 94
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 6741

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	9.7	8.0	12.0
68	6.1	5.1	7.7

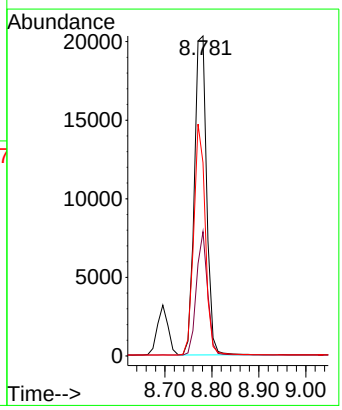


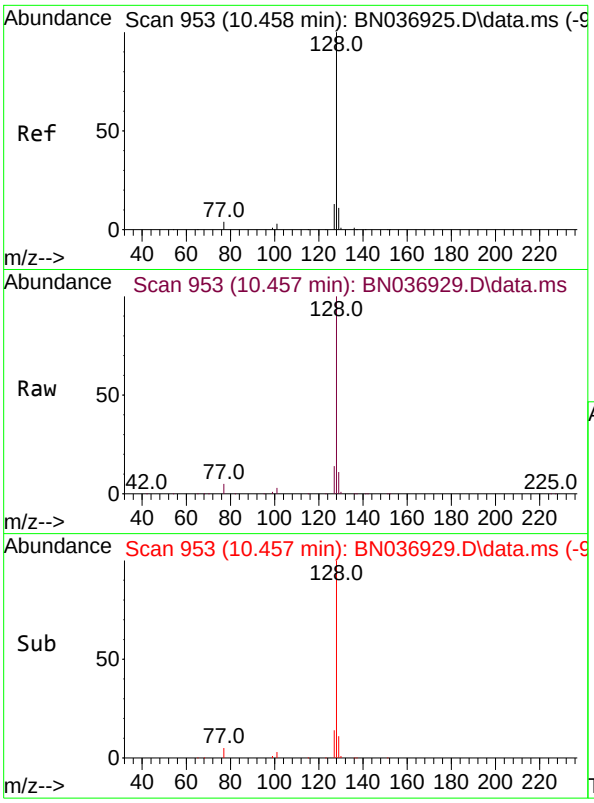


#8
Nitrobenzene-d5
Concen: 5.249 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 82 Resp: 36759

Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.7	46.1
54	60.4	52.1	78.1



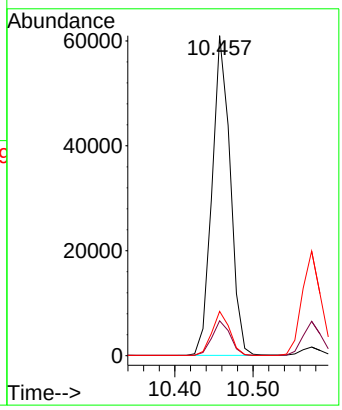


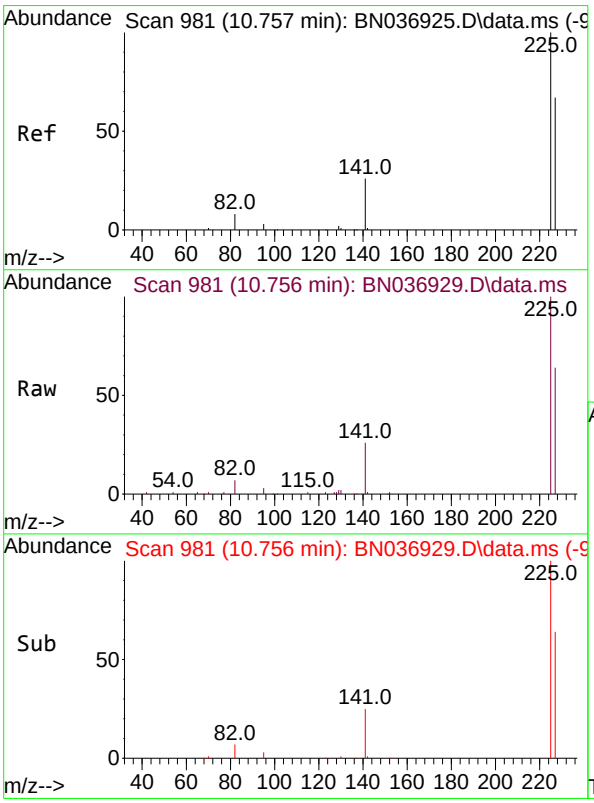
#9
Naphthalene
Concen: 5.004 ng
RT: 10.457 min Scan# 9
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 98160

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.6
127	13.9	11.4	17.2

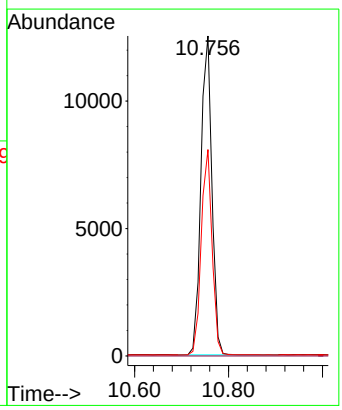


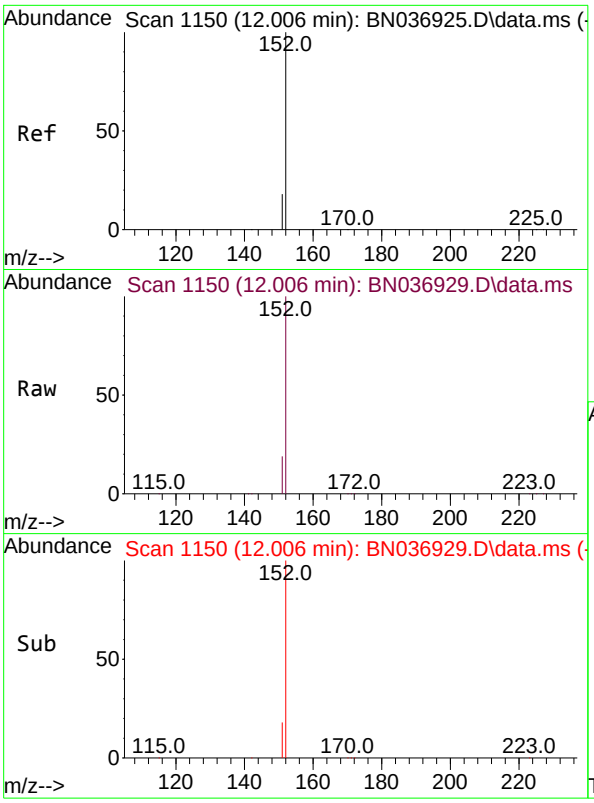


#10
Hexachlorobutadiene
Concen: 4.733 ng
RT: 10.756 min Scan# 981
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:225 Resp: 20245

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	52.2	78.4



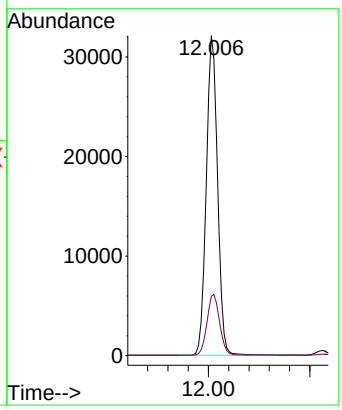


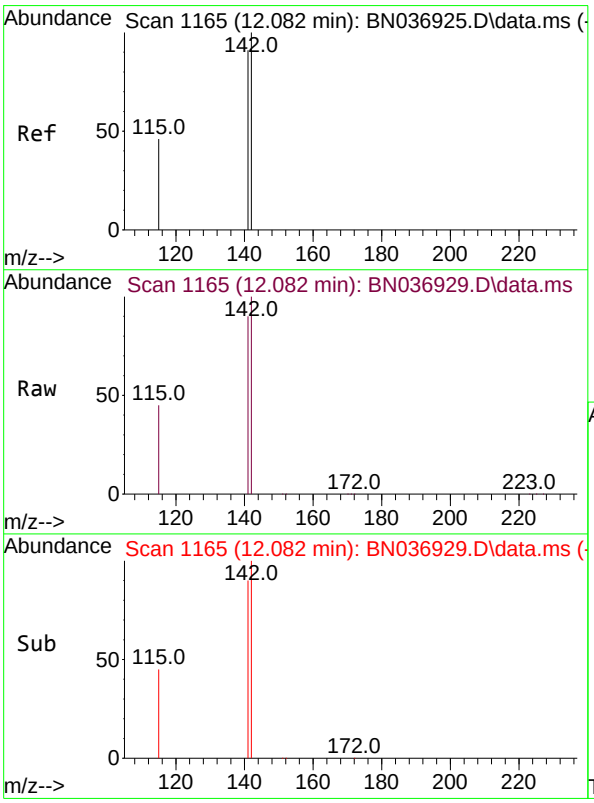
#11
2-Methylnaphthalene-d10
Concen: 5.308 ng
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 49610

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.9	25.3

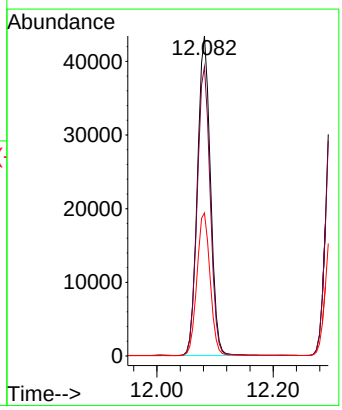


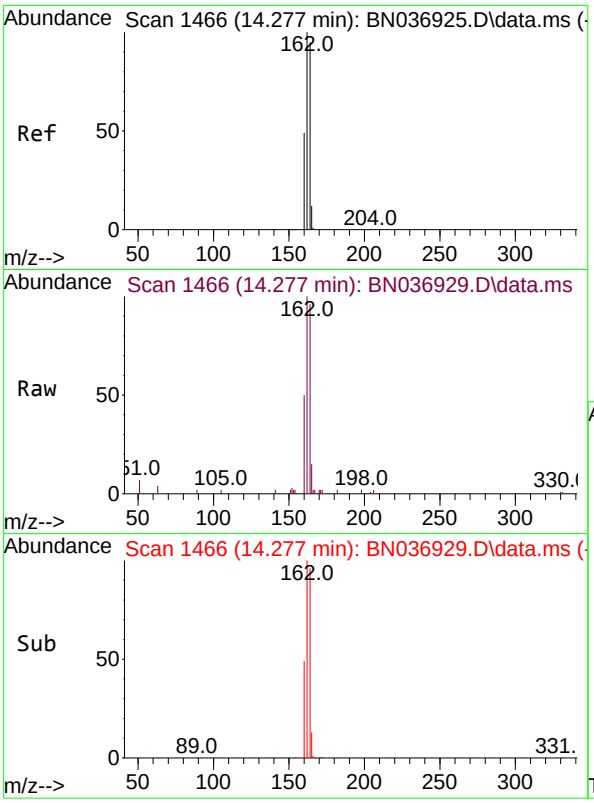


#12
2-Methylnaphthalene
Concen: 5.359 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:142 Resp: 67281

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.8	109.2
115	44.7	38.2	57.4



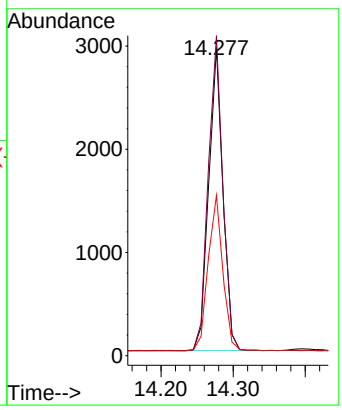


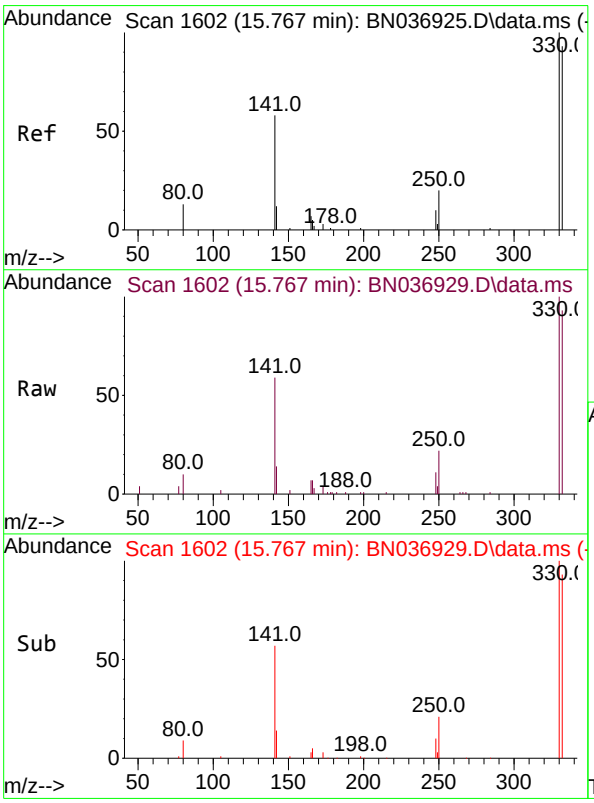
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 4034

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.8	125.8
160	52.0	42.0	63.0

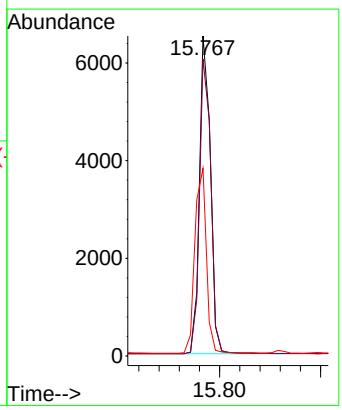


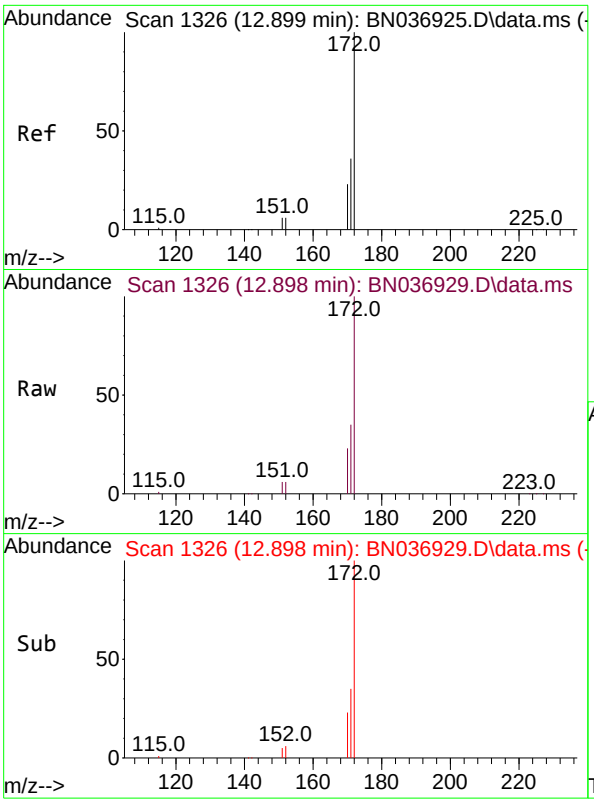


#14
2,4,6-Tribromophenol
Concen: 5.599 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:330 Resp: 9898

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.3	114.5
141	60.7	45.4	68.2



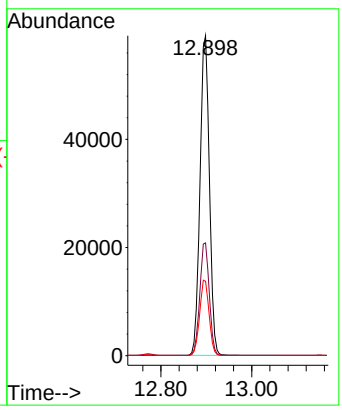


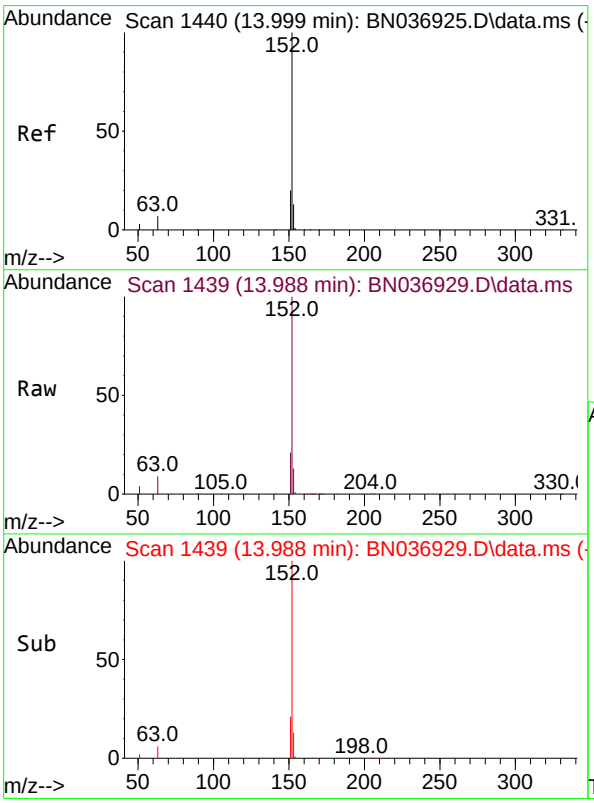
#15
2-Fluorobiphenyl
Concen: 4.984 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 97228

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.2	19.4	29.0

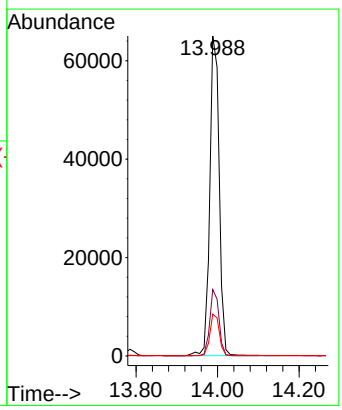


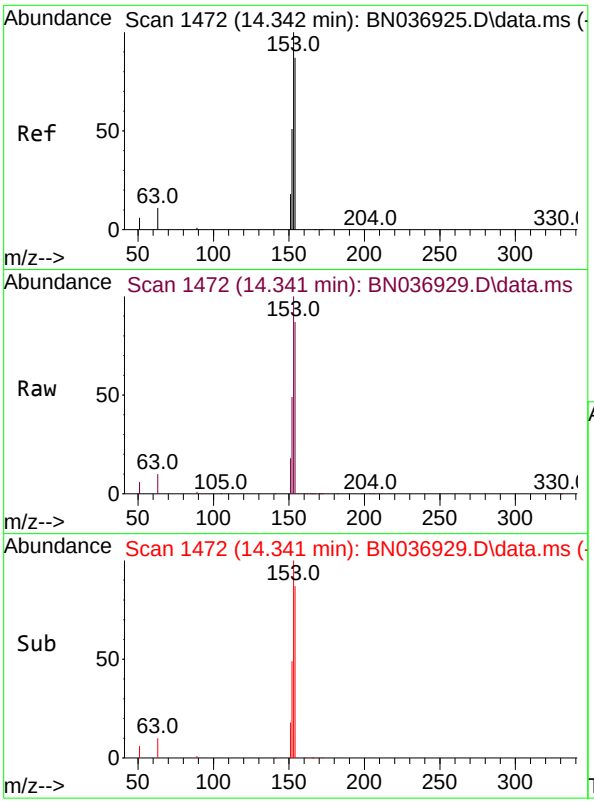


#16
Acenaphthylene
Concen: 5.334 ng
RT: 13.988 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:152 Resp: 104172

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.0	10.2	15.2



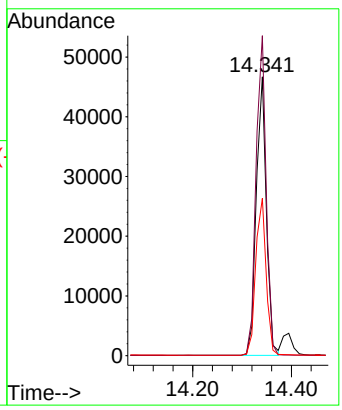


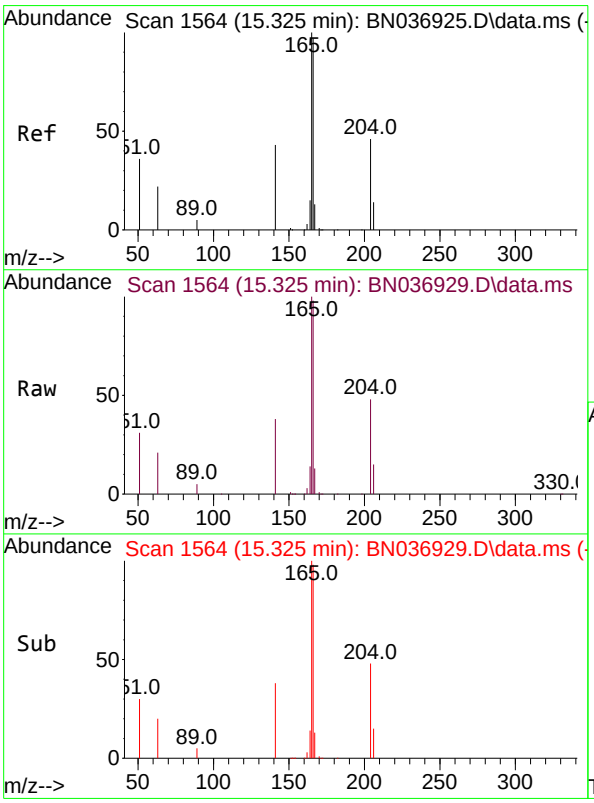
#17
Acenaphthene
Concen: 5.093 ng
RT: 14.341 min Scan# 14
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 65801

Ion	Ratio	Lower	Upper
154	100		
153	115.8	93.4	140.2
152	58.6	49.5	74.3

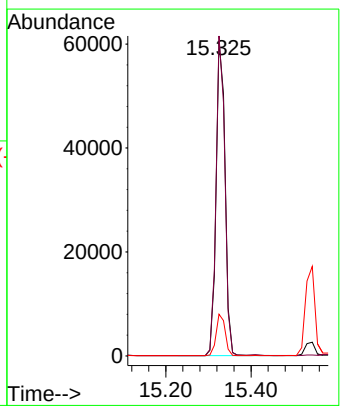


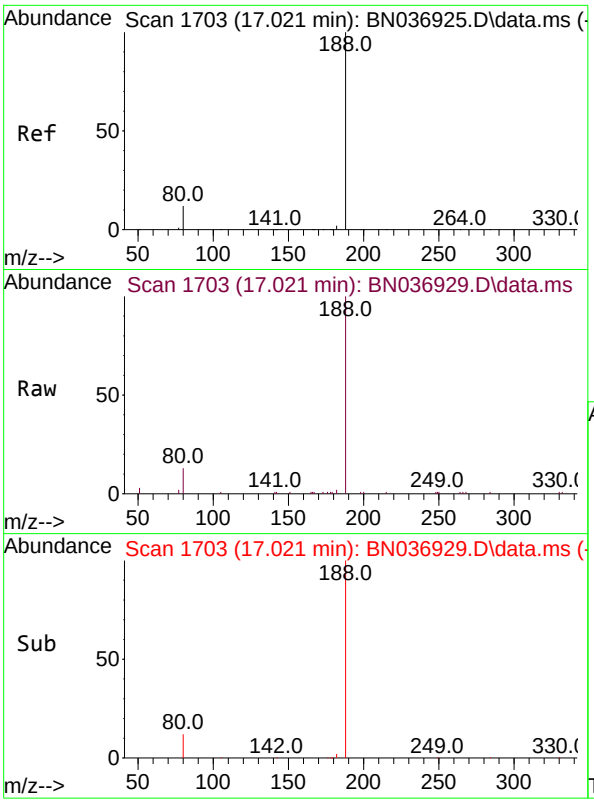


#18
Fluorene
Concen: 5.254 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:166 Resp: 88362

Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.8	121.2
167	13.3	10.8	16.2



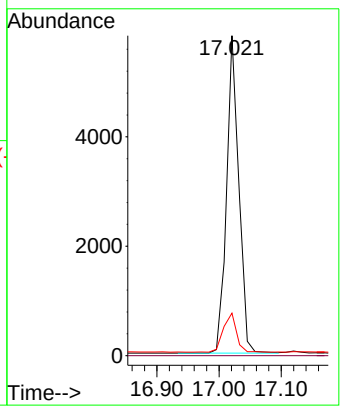


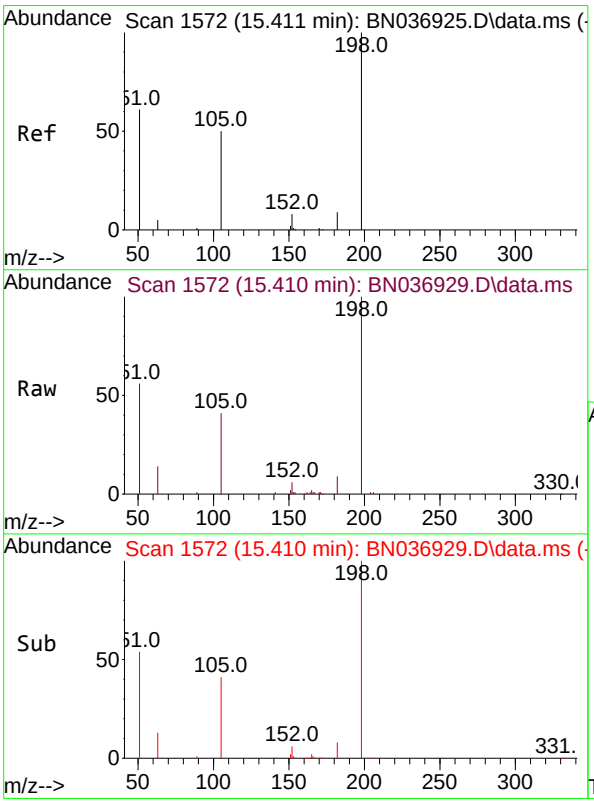
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 7924

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.3	10.7	16.1

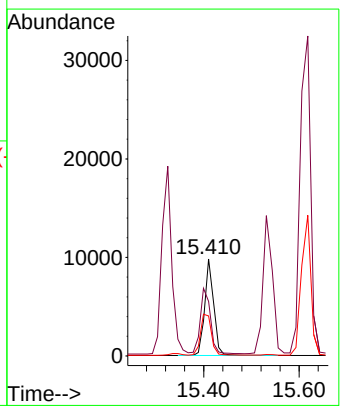


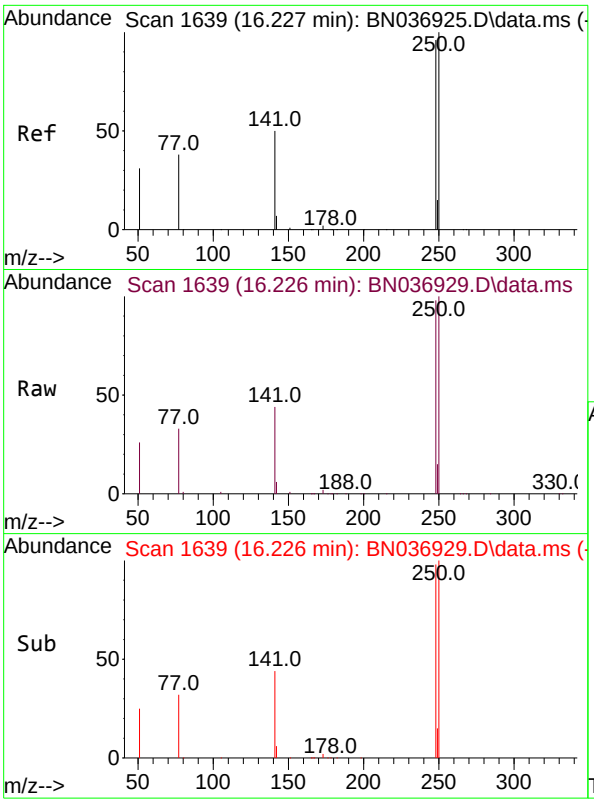


#20
4,6-Dinitro-2-methylphenol
Concen: 6.700 ng
RT: 15.410 min Scan# 1572
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:198 Resp: 13303

Ion	Ratio	Lower	Upper
198	100		
51	56.3	97.9	146.9#
105	41.2	50.0	75.0#



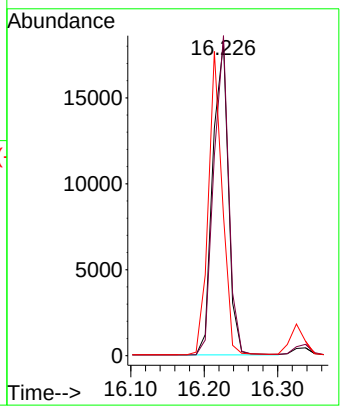


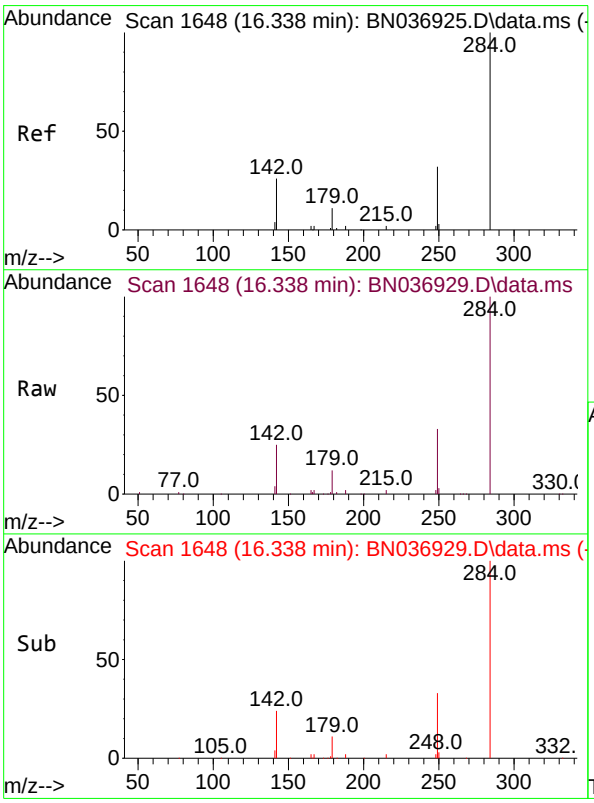
#21
4-Bromophenyl-phenylether
Concen: 5.074 ng
RT: 16.226 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 26778

Ion	Ratio	Lower	Upper
248	100		
250	102.1	83.7	125.5
141	44.7	43.8	65.8

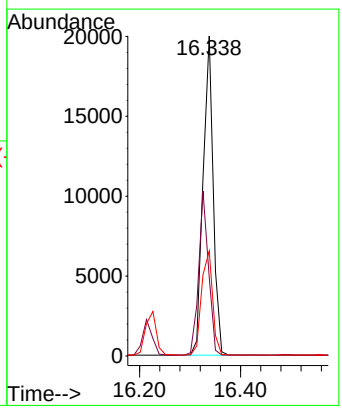


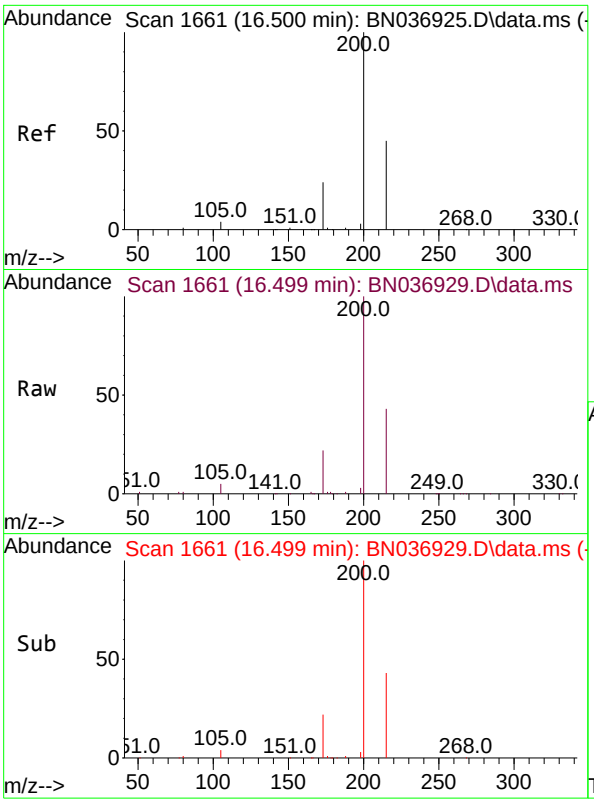


#22
Hexachlorobenzene
Concen: 4.793 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:284 Resp: 27944

Ion	Ratio	Lower	Upper
284	100		
142	49.9	40.0	60.0
249	35.8	28.2	42.2



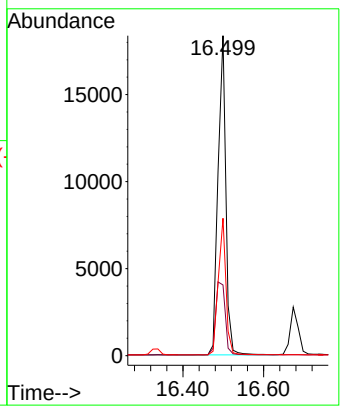


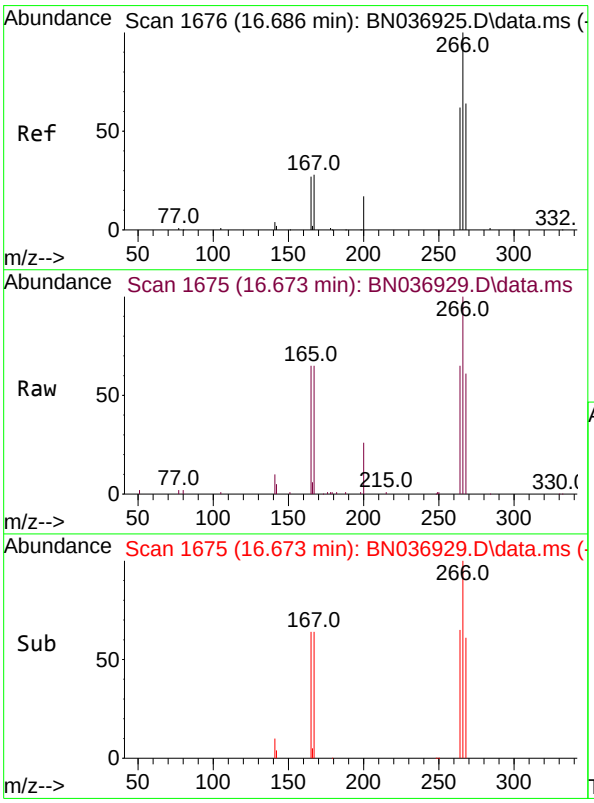
#23
Atrazine
Concen: 5.893 ng
RT: 16.499 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 24525

Ion	Ratio	Lower	Upper
200	100		
173	22.1	22.4	33.6#
215	42.9	38.6	57.8

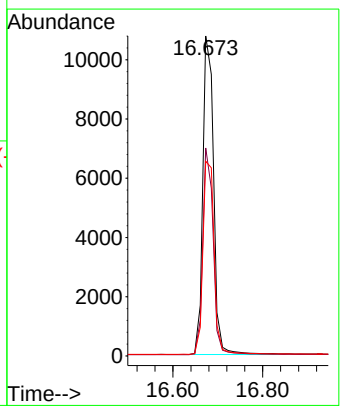


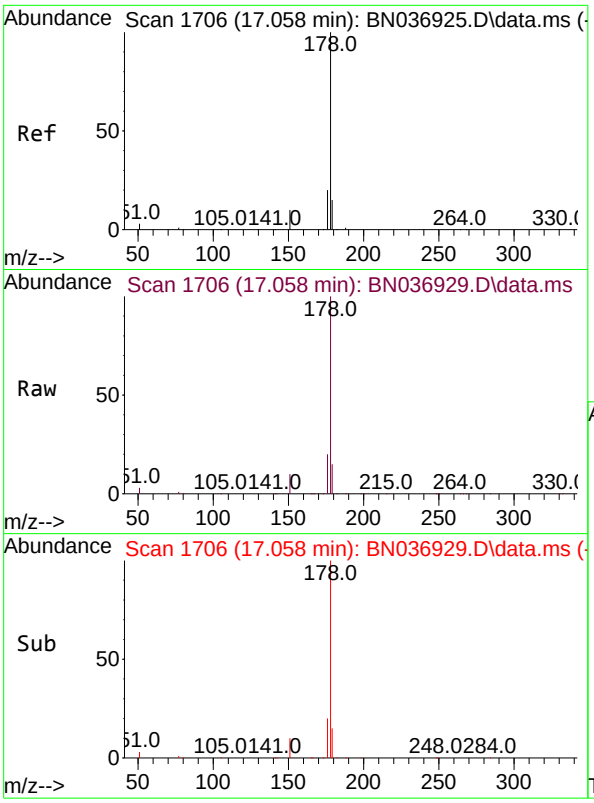


#24
Pentachlorophenol
Concen: 5.937 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:266 Resp: 17963

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.9	74.9
268	63.3	52.2	78.4



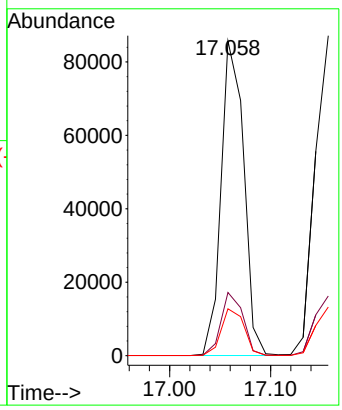


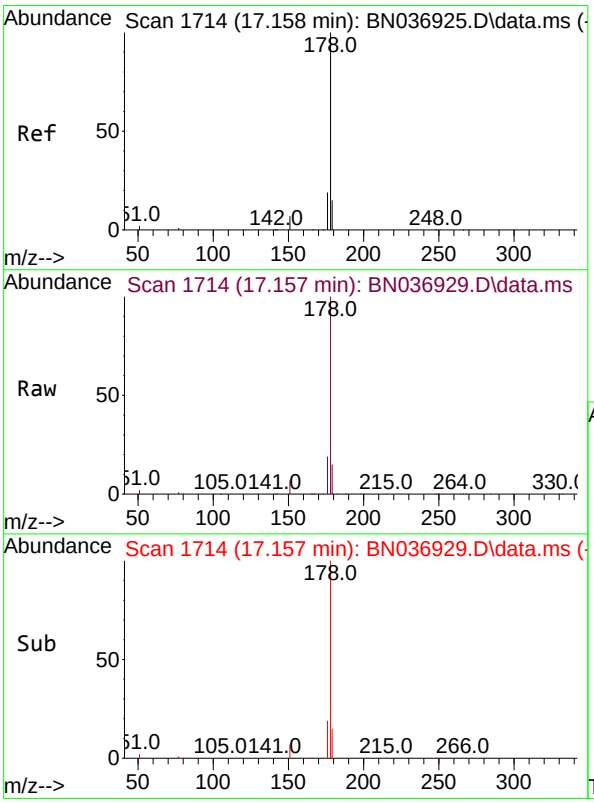
#25
Phenanthrene
Concen: 5.119 ng
RT: 17.058 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 133437

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.0	12.4	18.6

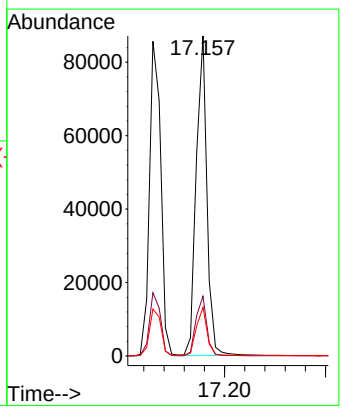


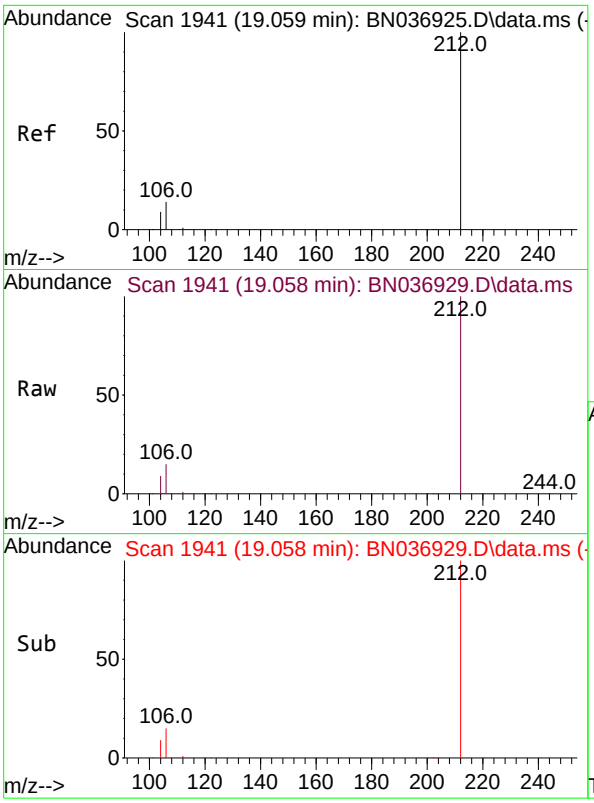


#26
Anthracene
Concen: 5.520 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:178 Resp: 128680

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.0	12.1	18.1



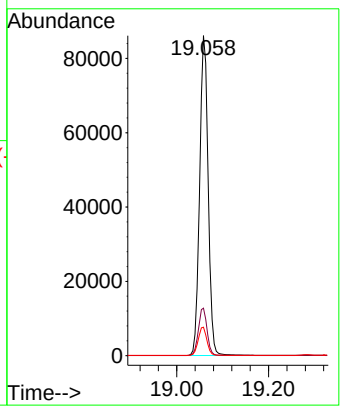


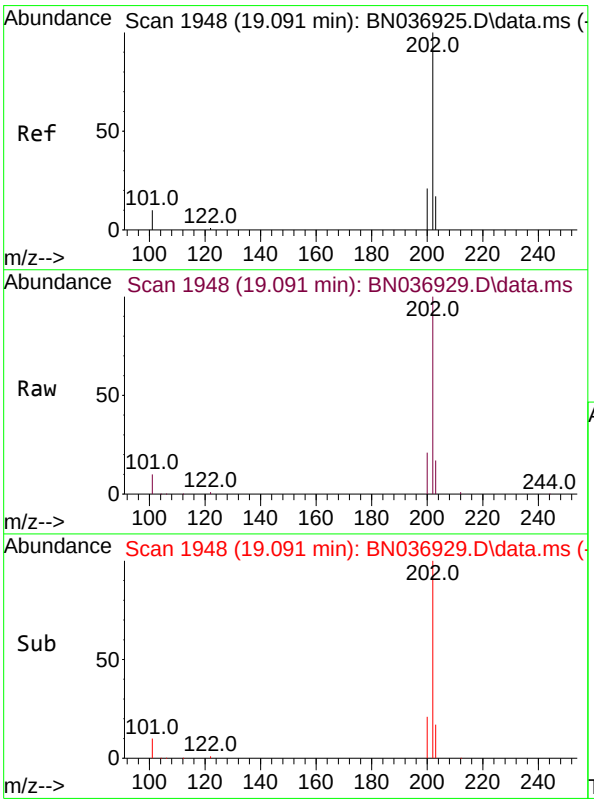
#27
Fluoranthene-d10
Concen: 5.447 ng
RT: 19.058 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 110482

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.6	17.4
104	9.0	7.0	10.4

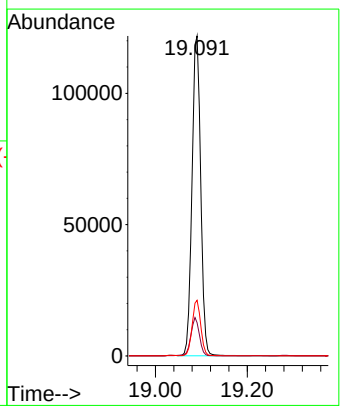


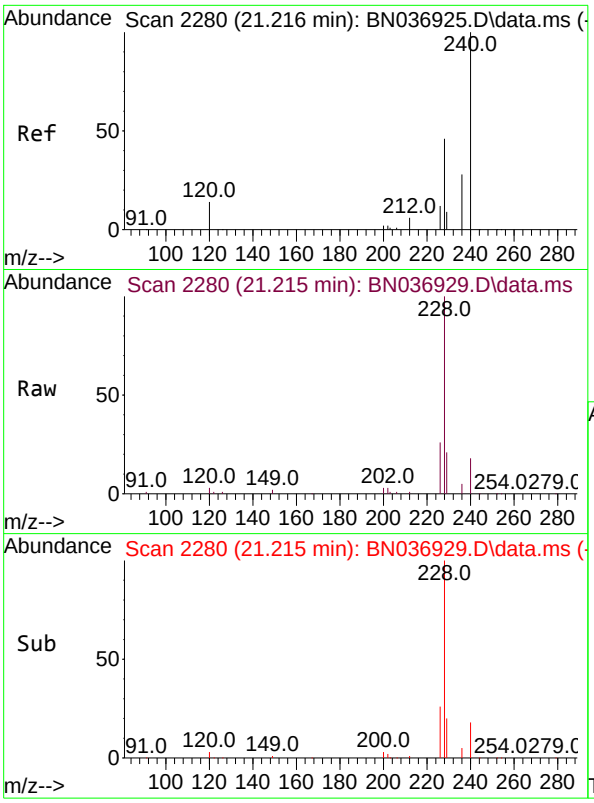


#28
Fluoranthene
Concen: 5.533 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:202 Resp: 159754

Ion	Ratio	Lower	Upper
202	100		
101	11.7	8.5	12.7
203	17.2	13.7	20.5



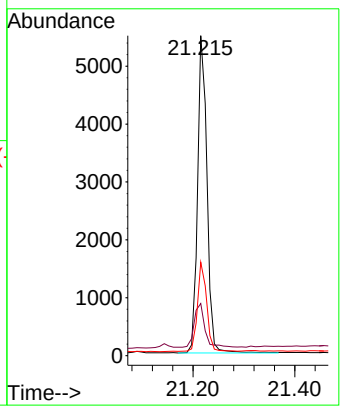


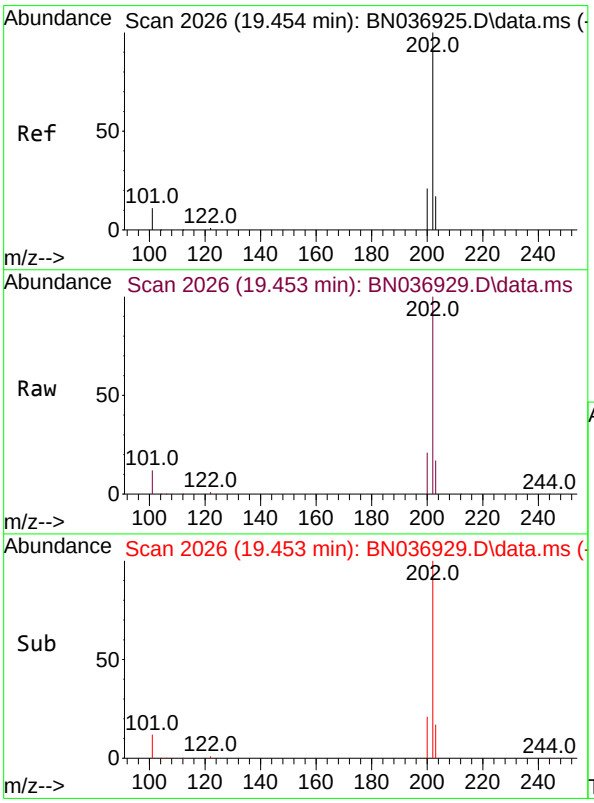
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 7034

Ion	Ratio	Lower	Upper
240	100		
120	16.3	14.1	21.1
236	29.2	23.8	35.8

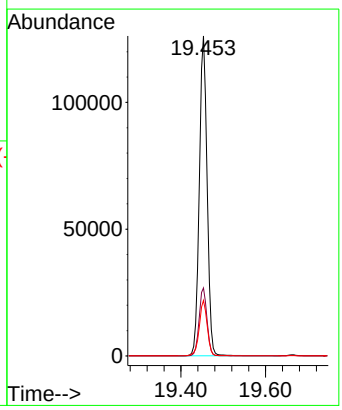


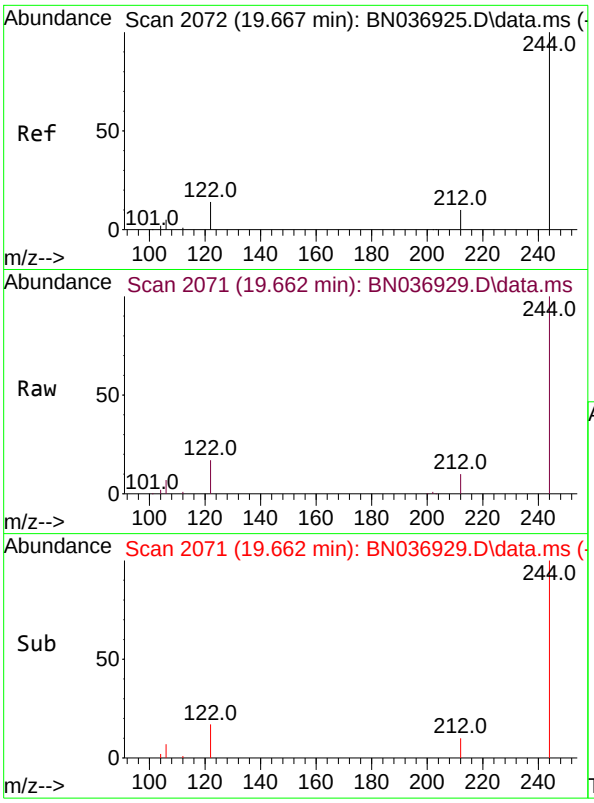


#30
Pyrene
Concen: 4.691 ng
RT: 19.453 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:202 Resp: 160324

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.7	14.0	21.0



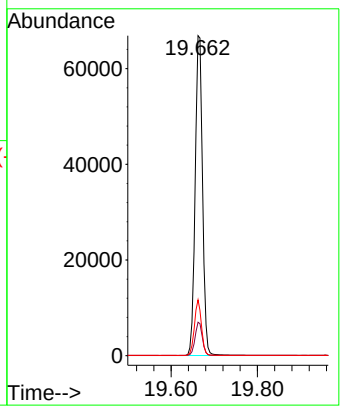


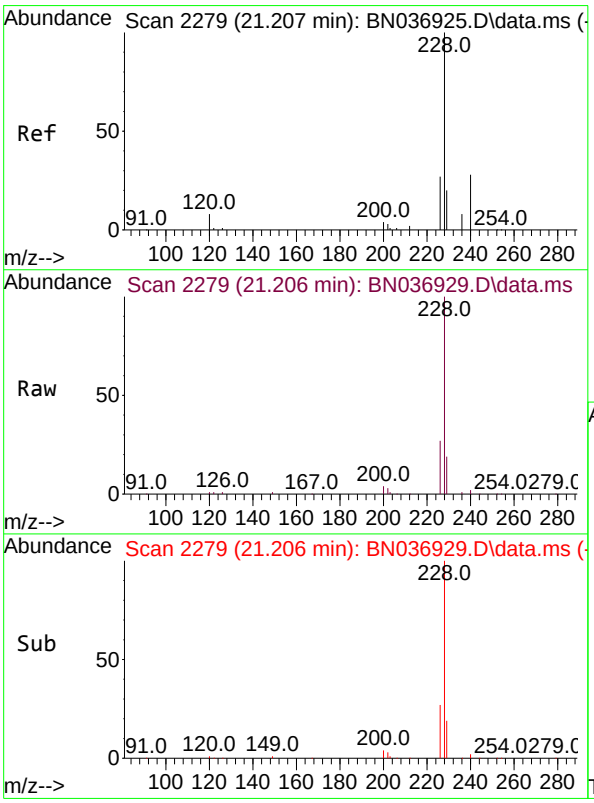
#31
Terphenyl-d14
Concen: 4.712 ng
RT: 19.662 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 78873

Ion	Ratio	Lower	Upper
244	100		
212	10.5	9.6	14.4
122	17.4	12.7	19.1

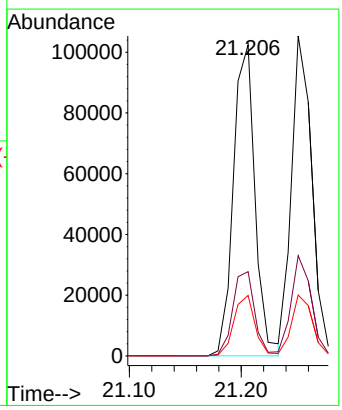


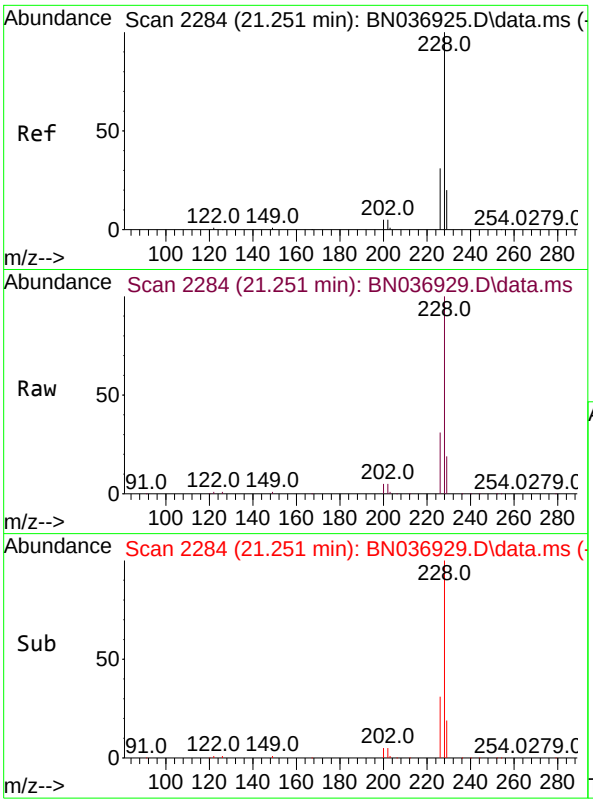


#32
Benzo(a)anthracene
Concen: 5.349 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:228 Resp: 137209

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.4
229	19.4	16.4	24.6



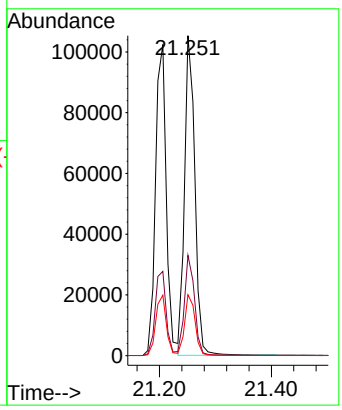


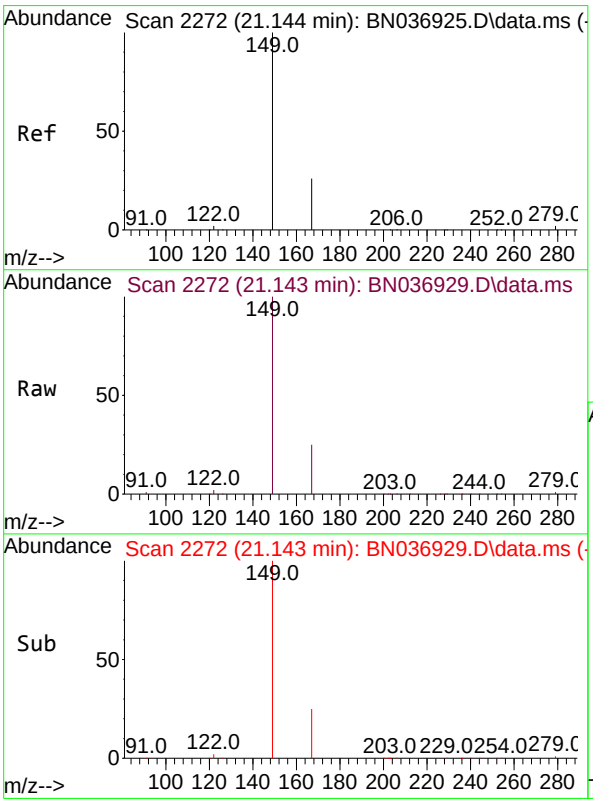
#33
Chrysene
Concen: 4.807 ng
RT: 21.251 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 135038

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.5	38.3
229	19.1	16.5	24.7

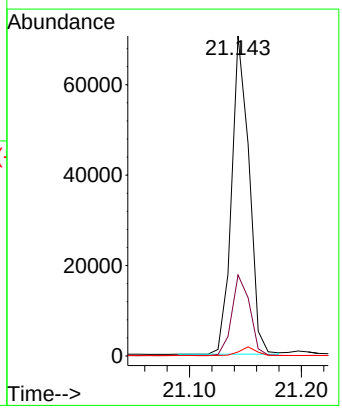


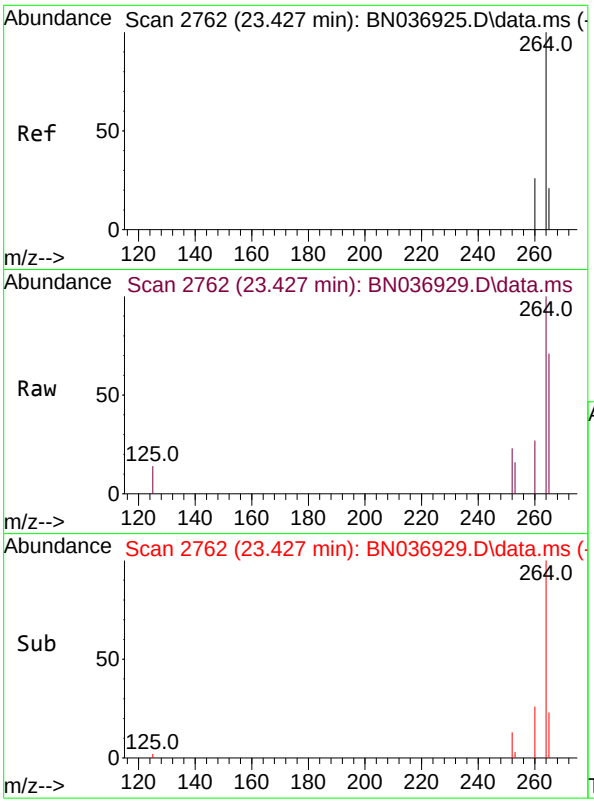


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.194 ng
RT: 21.143 min Scan# 2272
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:149 Resp: 76115

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.6
279	2.6	2.7	4.1#



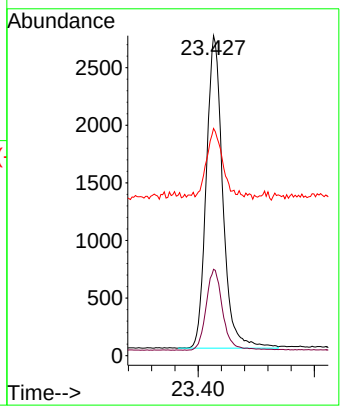


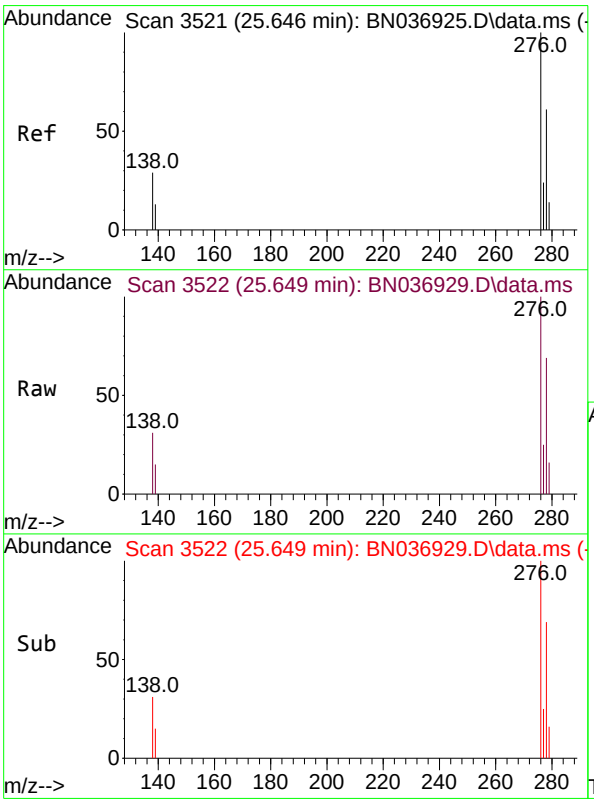
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 5350

Ion	Ratio	Lower	Upper
264	100		
260	27.0	22.2	33.2
265	71.0	65.8	98.6

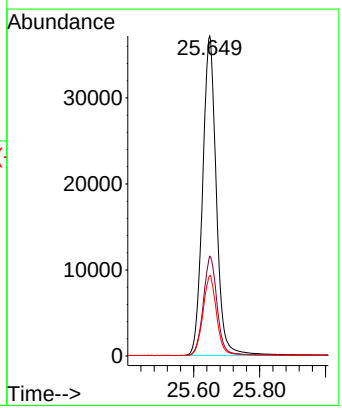


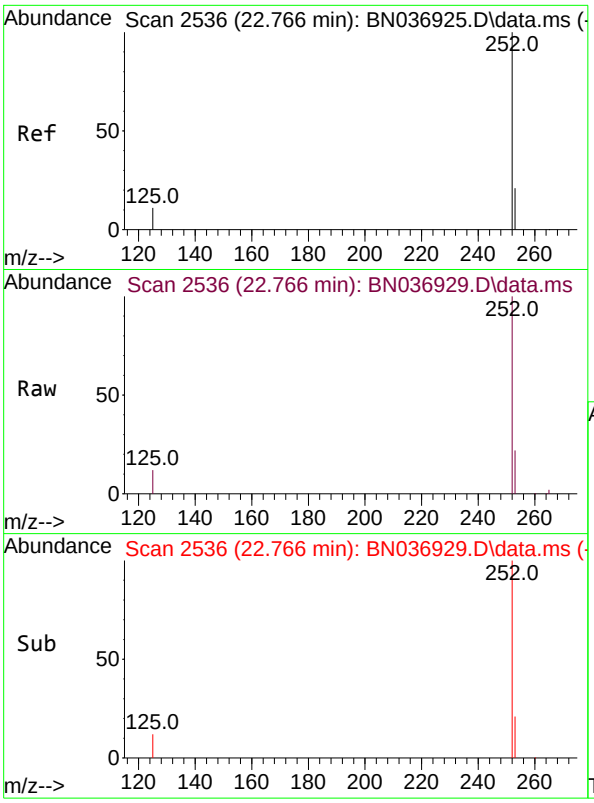


#36
Indeno(1,2,3-cd)pyrene
Concen: 4.911 ng
RT: 25.649 min Scan# 3522
Delta R.T. 0.002 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:276 Resp: 107583

Ion	Ratio	Lower	Upper
276	100		
138	31.3	23.0	34.6
277	25.0	20.0	30.0



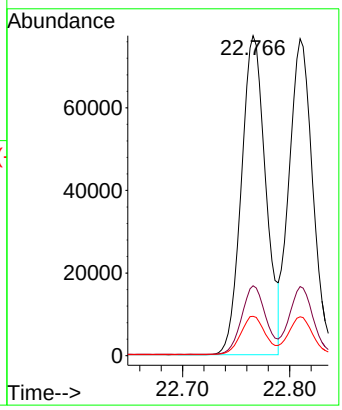


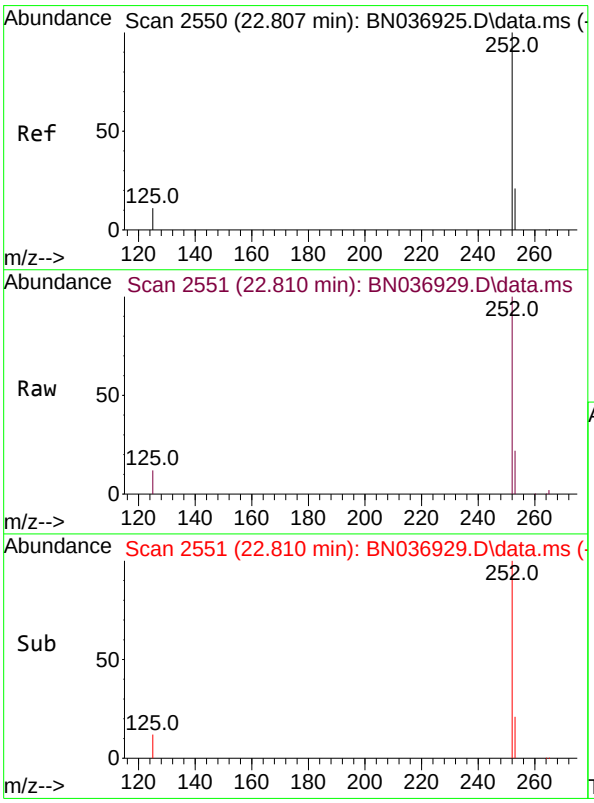
#37
Benzo(b)fluoranthene
Concen: 5.504 ng
RT: 22.766 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 122058

Ion	Ratio	Lower	Upper
252	100		
253	21.9	22.1	33.1#
125	12.3	14.2	21.2#

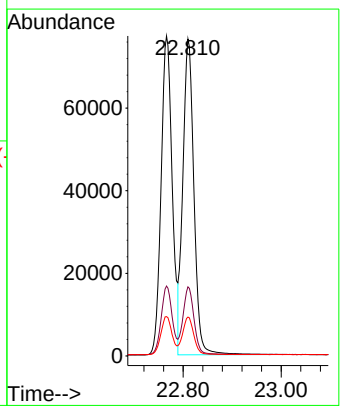


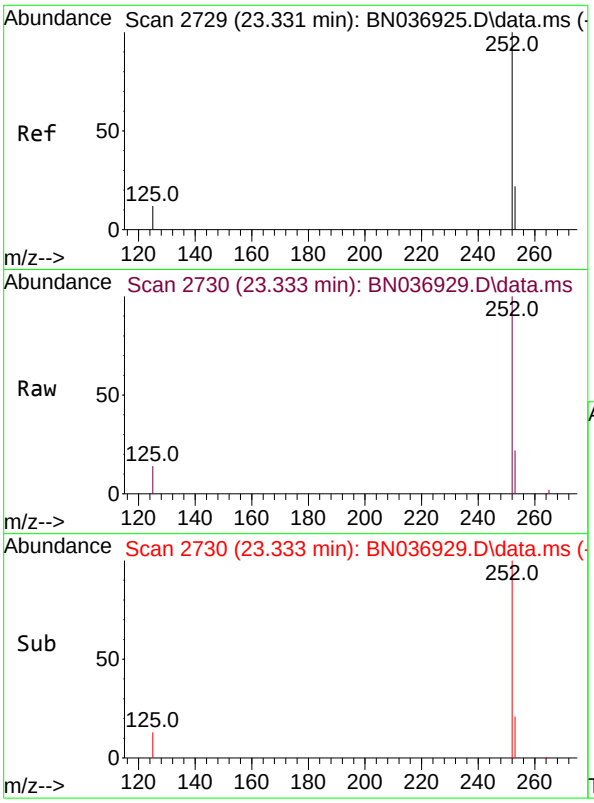


#38
Benzo(k)fluoranthene
Concen: 5.325 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.002 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:252 Resp: 119359

Ion	Ratio	Lower	Upper
252	100		
253	21.8	22.8	34.2#
125	12.3	14.2	21.2#



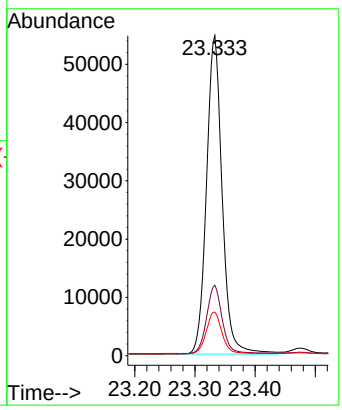


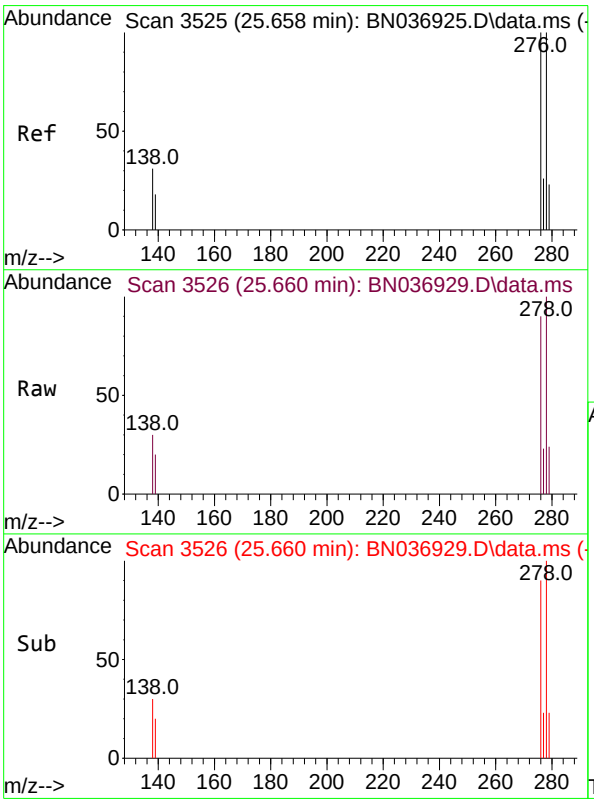
#39
Benzo(a)pyrene
Concen: 5.402 ng
RT: 23.333 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 98753

Ion	Ratio	Lower	Upper
252	100		
253	22.0	25.9	38.9#
125	13.6	17.4	26.0#

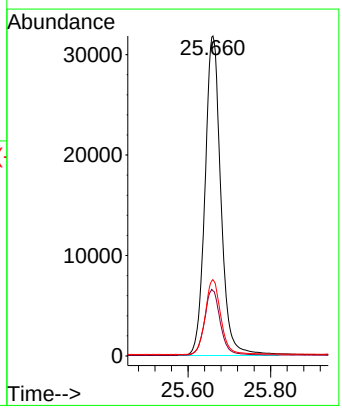


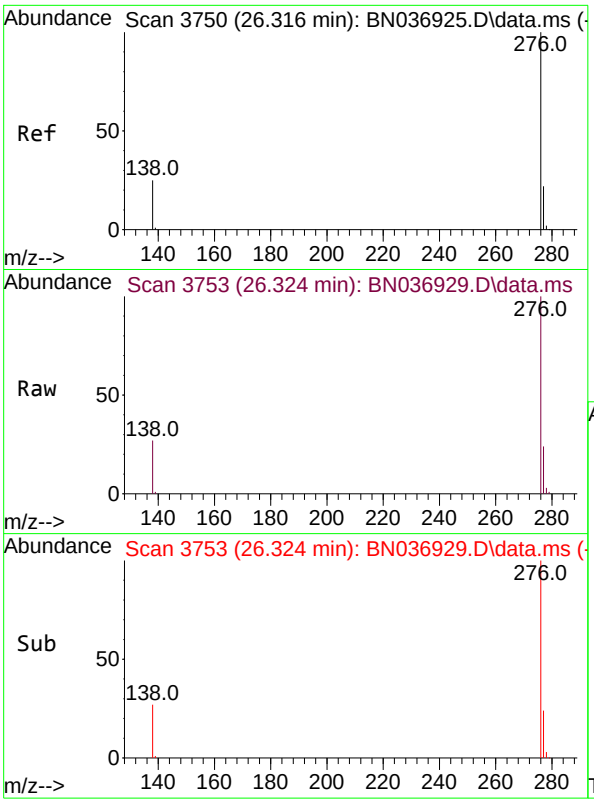


#40
Dibenzo(a,h)anthracene
Concen: 4.920 ng
RT: 25.660 min Scan# 3526
Delta R.T. 0.002 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:278 Resp: 84789

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.4	26.2
279	23.8	24.9	37.3#





#41
Benzo(g,h,i)perylene
Concen: 4.643 ng
RT: 26.324 min Scan# 3
Delta R.T. 0.008 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 89523

Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.2	30.2
138	27.3	21.9	32.9