Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013124\
Data File : BN029468.D
Acq On : 01 Feb 2024 03:11
Operator : MA/JU
Sample : PB158665BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Quant Time: Feb 01 03:49:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 01:51:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	5925	0.400	ng	0.00
7) Naphthalene-d8	10.690	136	16208	0.400	ng	0.00
13) Acenaphthene-d10	14.532	164	7207	0.400	ng	0.00
19) Phenanthrene-d10	17.280	188	13743	0.400	ng	# 0.00
29) Chrysene-d12	21.483	240	8052	0.400	ng	0.00
35) Perylene-d12	23.864	264	6860	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.471	112	5560	0.391	ng	0.00
5) Phenol-d6	7.060	99	6595	0.402	ng	0.00
8) Nitrobenzene-d5	9.057	82	4920	0.365	ng	0.00
11) 2-Methylnaphthalene-d10	12.287	152	12322	0.558	ng	0.00
14) 2,4,6-Tribromophenol	16.026	330	757	0.327	ng	0.00
15) 2-Fluorobiphenyl	13.164	172	11618	0.376	ng	0.00
27) Fluoranthene-d10	19.322	212	11834	0.356	ng	0.00
31) Terphenyl-d14	19.930	244	8061	0.403	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.377	88	2315	0.278	ng	# 53
3) n-Nitrosodimethylamine	3.709	42	2382	0.350	ng	# 88
6) bis(2-Chloroethyl)ether	7.334	93	6260	0.400	ng	97
9) Naphthalene	10.744	128	16767	0.363	ng	99
10) Hexachlorobutadiene	11.021	225	2912	0.333	ng	# 100
12) 2-Methylnaphthalene	12.359	142	9914	0.366	ng	99
16) Acenaphthylene	14.254	152	13019	0.380	ng	99
17) Acenaphthene	14.596	154	8172	0.356	ng	99
18) Fluorene	15.580	166	10146	0.352	ng	100
20) 4,6-Dinitro-2-methylph...	15.667	198	722	0.358	ng	# 61
21) 4-Bromophenyl-phenylether	16.486	248	2939	0.359	ng	# 76
22) Hexachlorobenzene	16.585	284	3541	0.353	ng	100
23) Atrazine	16.759	200	2138	0.368	ng	98
24) Pentachlorophenol	16.933	266	2145	0.675	ng	99
25) Phenanthrene	17.330	178	15068	0.371	ng	99
26) Anthracene	17.417	178	12669	0.366	ng	100
28) Fluoranthene	19.350	202	14412	0.315	ng	100
30) Pyrene	19.712	202	14927	0.403	ng	99
32) Benzo(a)anthracene	21.465	228	10078	0.366	ng	99
33) Chrysene	21.519	228	12001	0.384	ng	100
34) Bis(2-ethylhexyl)phtha...	21.420	149	6811	0.363	ng	98
36) Indeno(1,2,3-cd)pyrene	26.329	276	9730	0.353	ng	# 83
37) Benzo(b)fluoranthene	23.142	252	9672	0.394	ng	97
38) Benzo(k)fluoranthene	23.189	252	9435	0.367	ng	97
39) Benzo(a)pyrene	23.762	252	8400	0.393	ng	96
40) Dibenzo(a,h)anthracene	26.361	278	7688	0.350	ng	99
41) Benzo(g,h,i)perylene	27.077	276	8563	0.320	ng	98

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

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Misc :
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Instrument :
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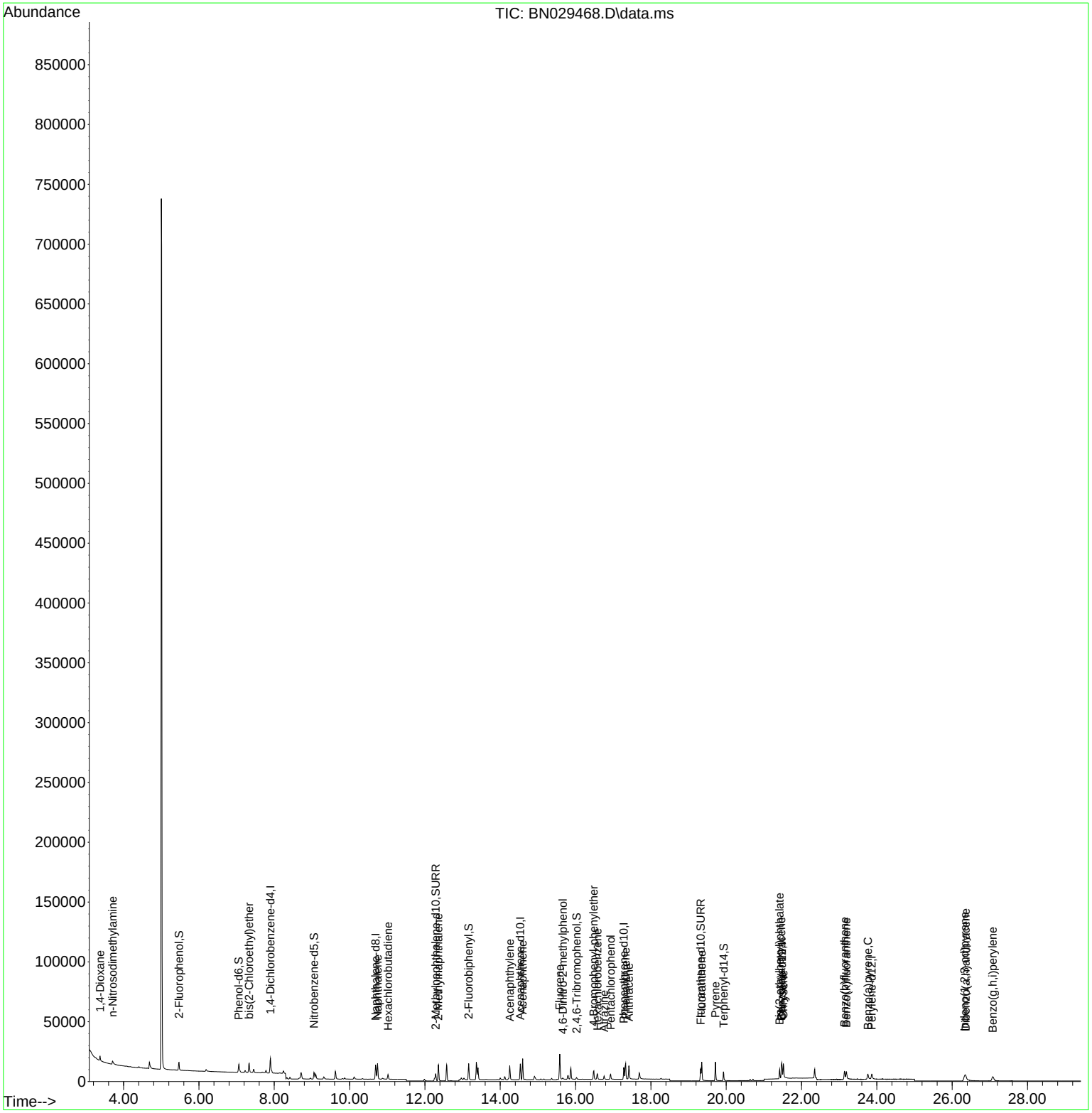
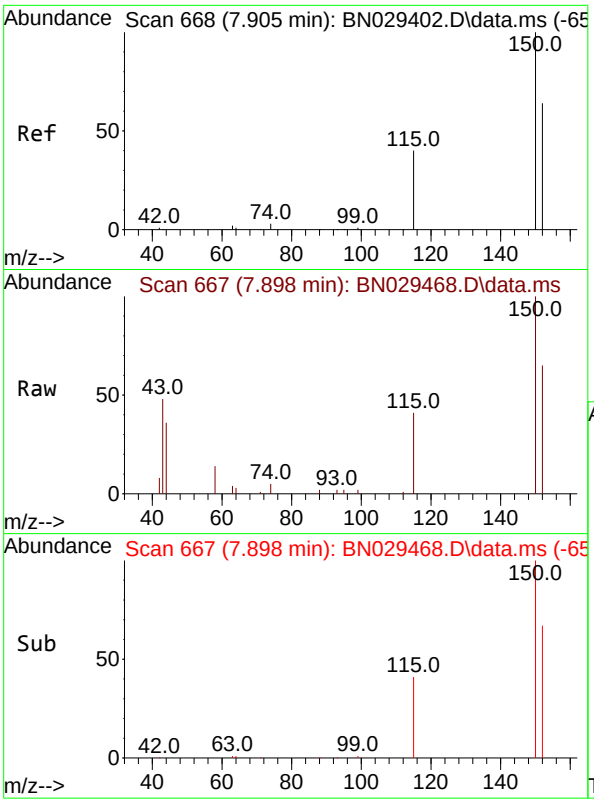
Quant Time: Feb 01 03:49:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 01:51:59 2024
Response via : Initial Calibration



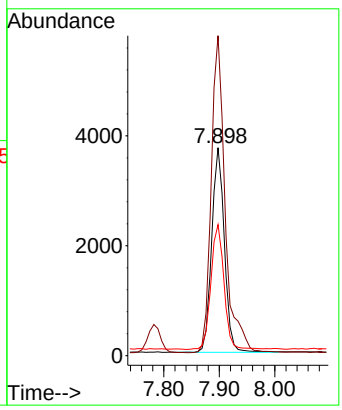


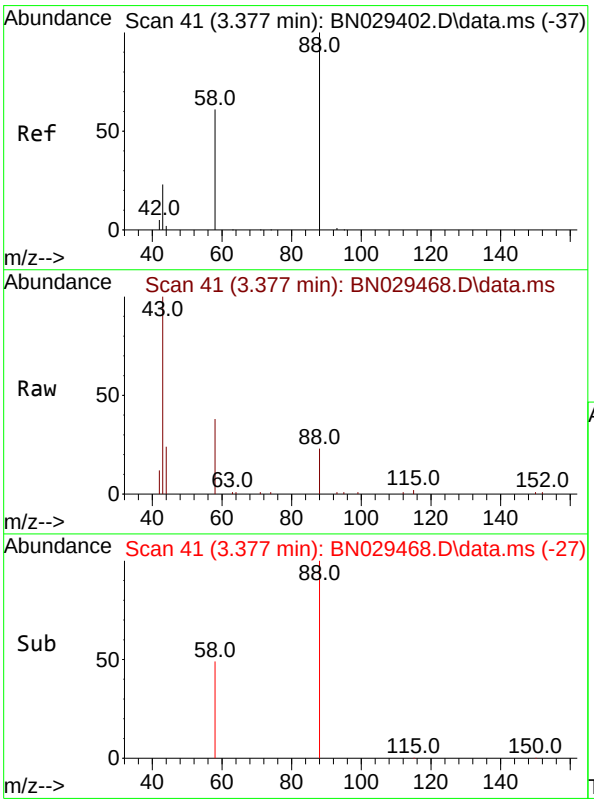
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.898 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:152 Resp: 5925

Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.0	184.4
115	63.0	51.4	77.0

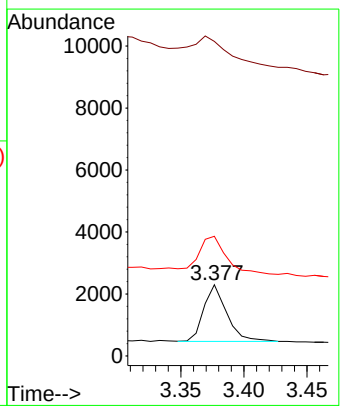


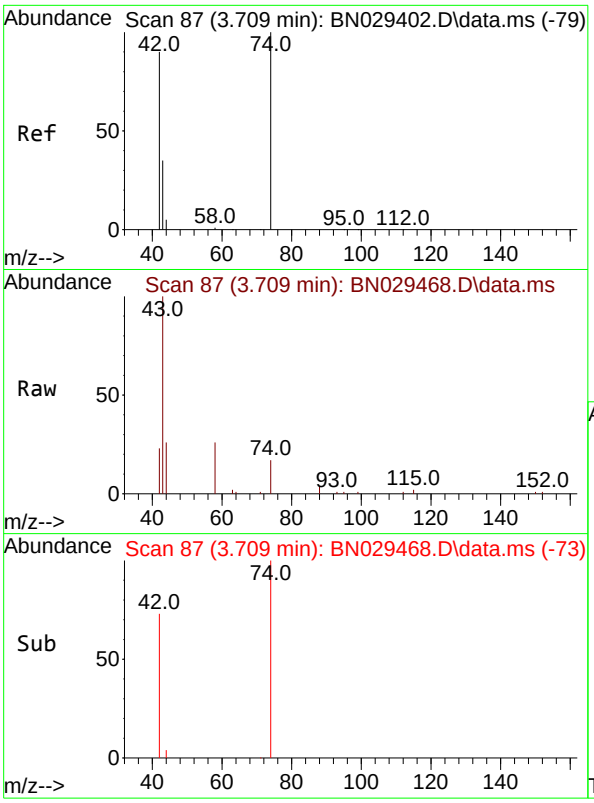


#2
1,4-Dioxane
Concen: 0.278 ng
RT: 3.377 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion: 88 Resp: 2315

Ion	Ratio	Lower	Upper
88	100		
43	89.1	23.3	34.9#
58	82.1	53.8	80.6#



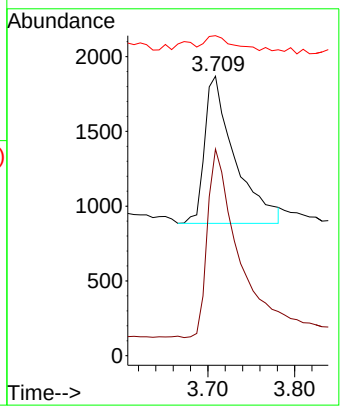


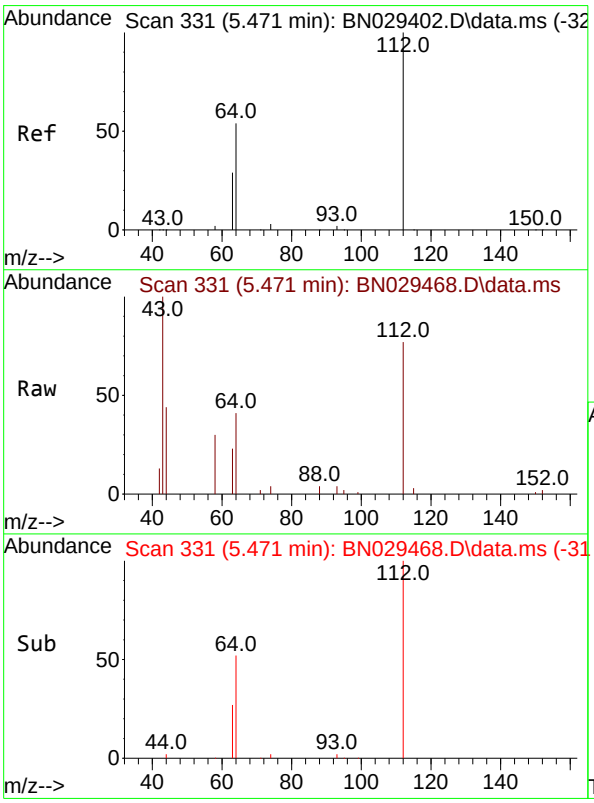
#3
n-Nitrosodimethylamine
Concen: 0.350 ng
RT: 3.709 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion: 42 Resp: 2382

Ion	Ratio	Lower	Upper
42	100		
74	130.3	93.7	140.5
44	9.5	13.0	19.4#

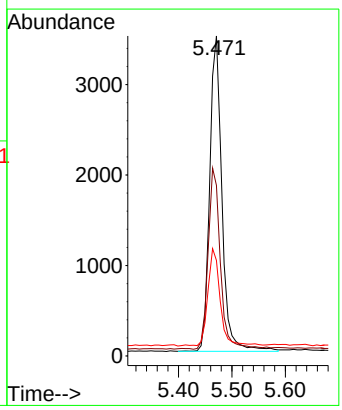


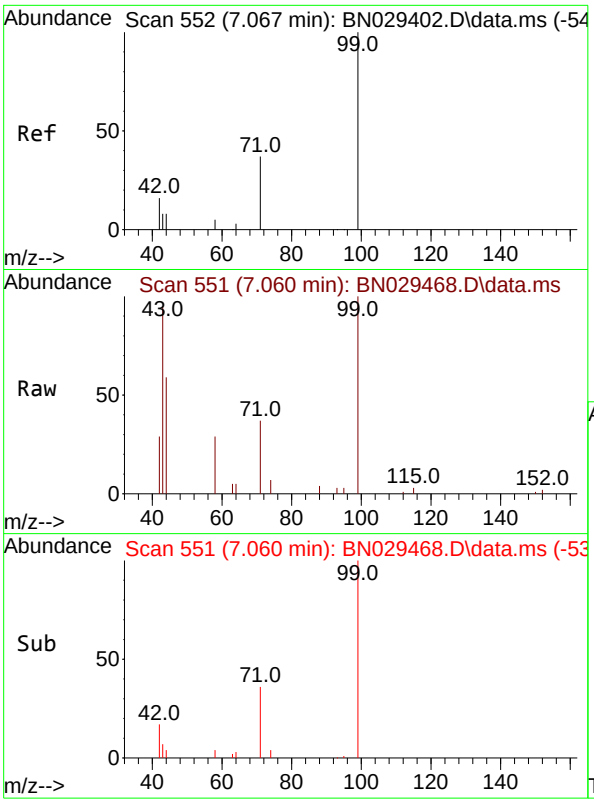


#4
2-Fluorophenol
Concen: 0.391 ng
RT: 5.471 min Scan# 331
Delta R.T. 0.007 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:112 Resp: 5560

Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.2	70.8
63	30.4	25.8	38.6



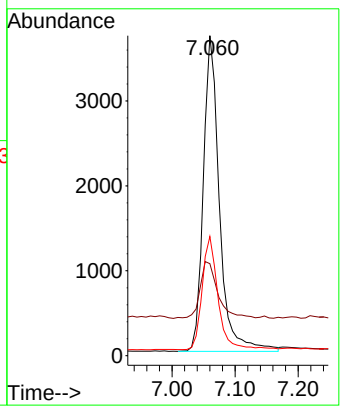


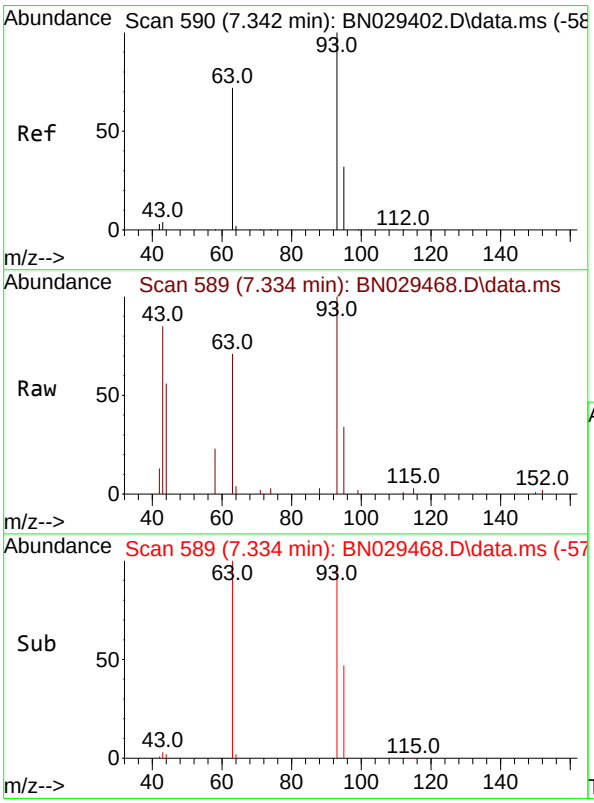
#5
Phenol-d6
Concen: 0.402 ng
RT: 7.060 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion: 99 Resp: 6595

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.9	25.3
71	35.4	30.0	45.0

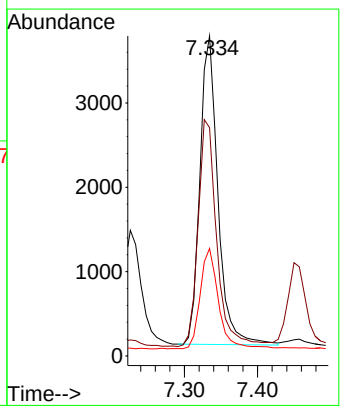


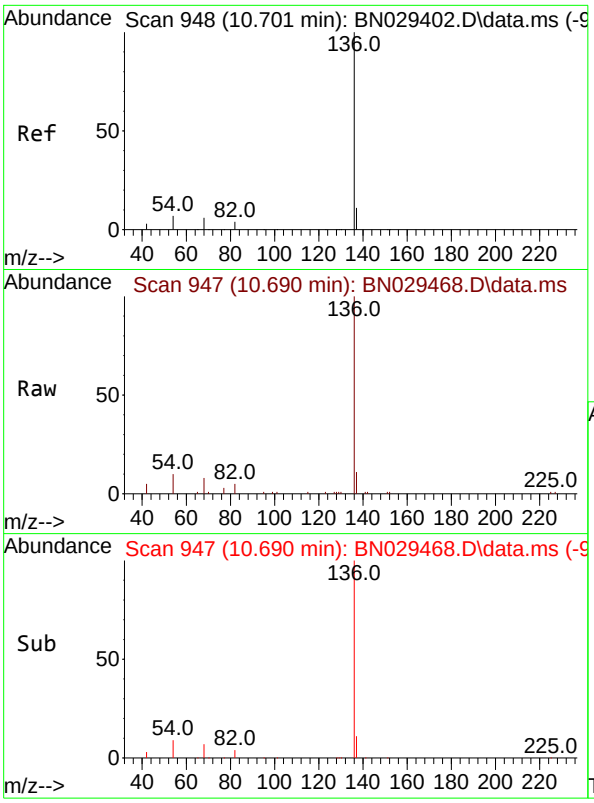


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 7.334 min Scan# 589
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion: 93 Resp: 6260

Ion	Ratio	Lower	Upper
93	100		
63	75.6	63.1	94.7
95	32.9	27.1	40.7



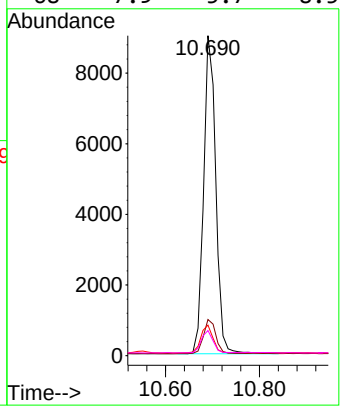


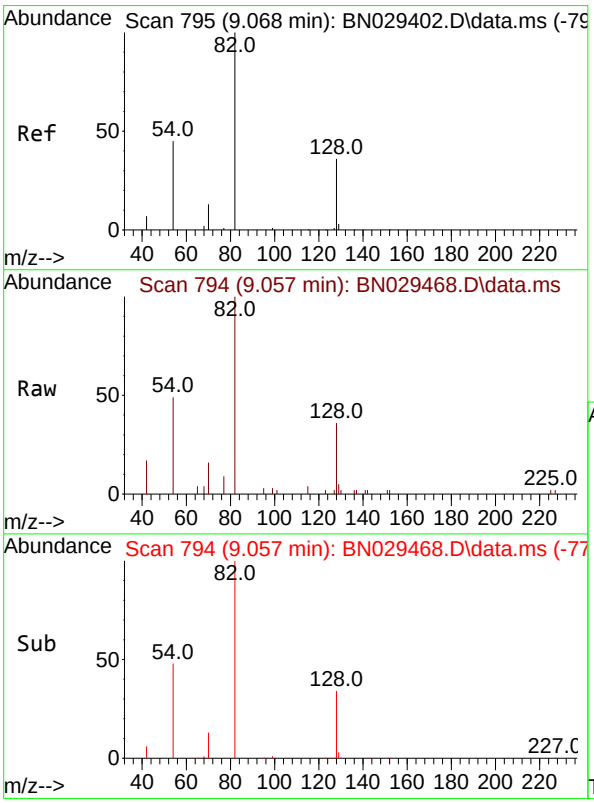
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:136 Resp: 16208

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.7	14.5
54	9.6	6.6	10.0
68	7.9	5.7	8.5

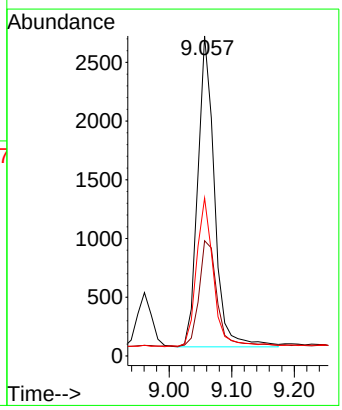


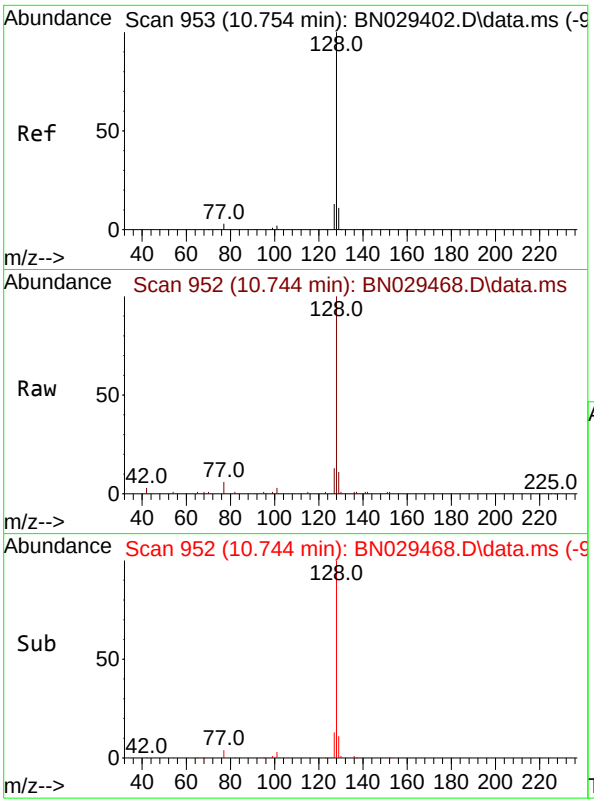


#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 9.057 min Scan# 794
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion: 82 Resp: 4920

Ion	Ratio	Lower	Upper
82	100		
128	36.0	31.6	47.4
54	49.4	38.2	57.4



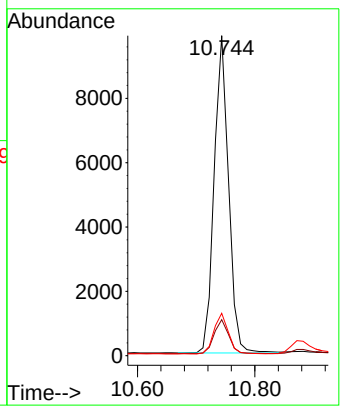


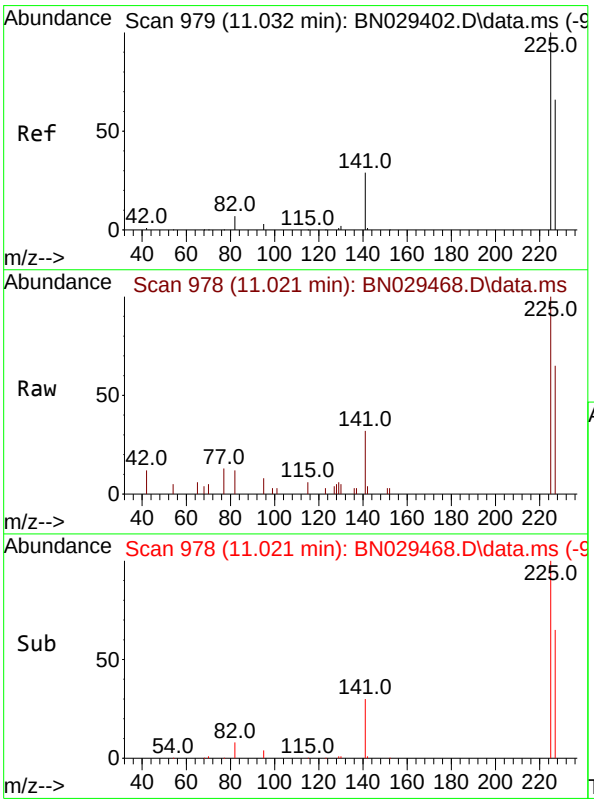
#9
Naphthalene
Concen: 0.363 ng
RT: 10.744 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:128 Resp: 16767

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	13.2	10.8	16.2

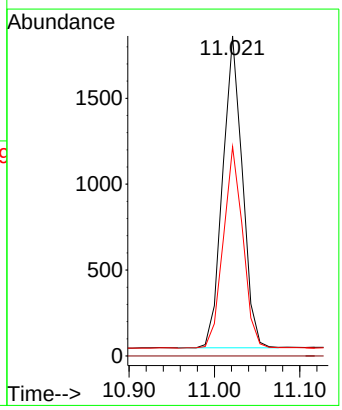


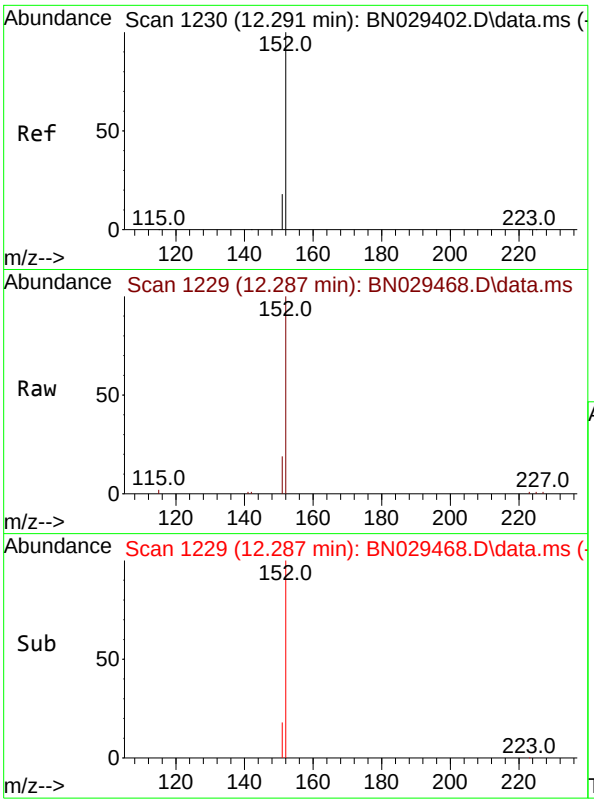


#10
Hexachlorobutadiene
Concen: 0.333 ng
RT: 11.021 min Scan# 978
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:225 Resp: 2912

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



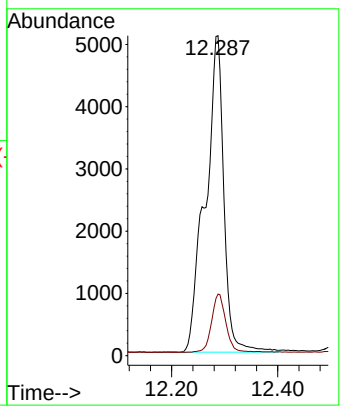


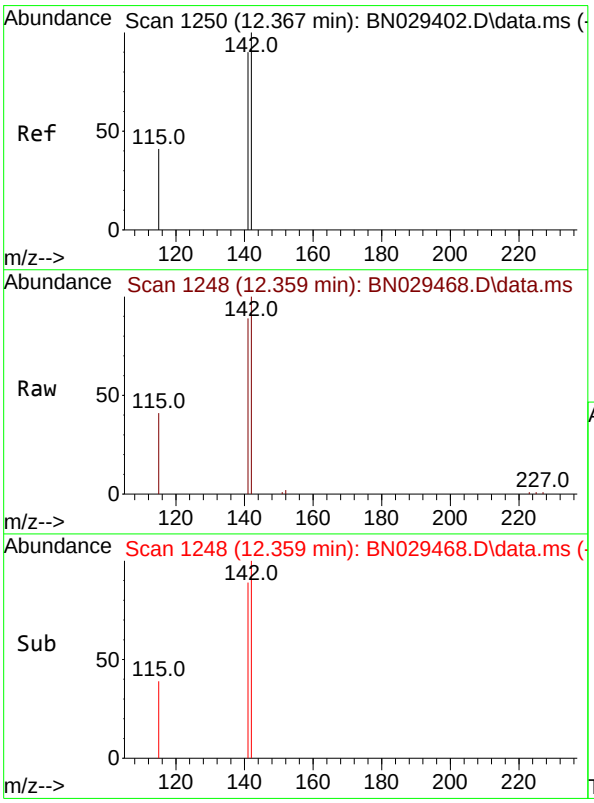
#11
2-Methylnaphthalene-d10
Concen: 0.558 ng
RT: 12.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:152 Resp: 12322

Ion	Ratio	Lower	Upper
152	100		
151	14.2	17.1	25.7#

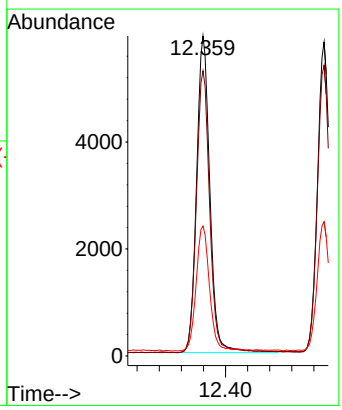


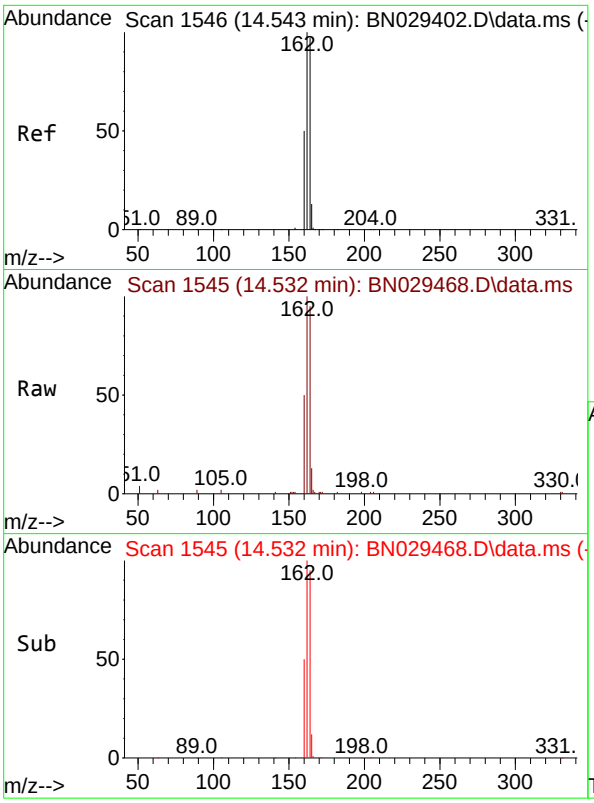


#12
2-Methylnaphthalene
Concen: 0.366 ng
RT: 12.359 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:142 Resp: 9914

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.9	107.9
115	40.6	33.9	50.9



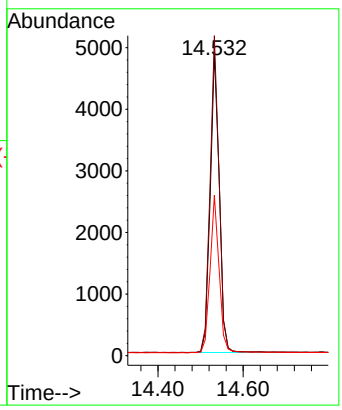


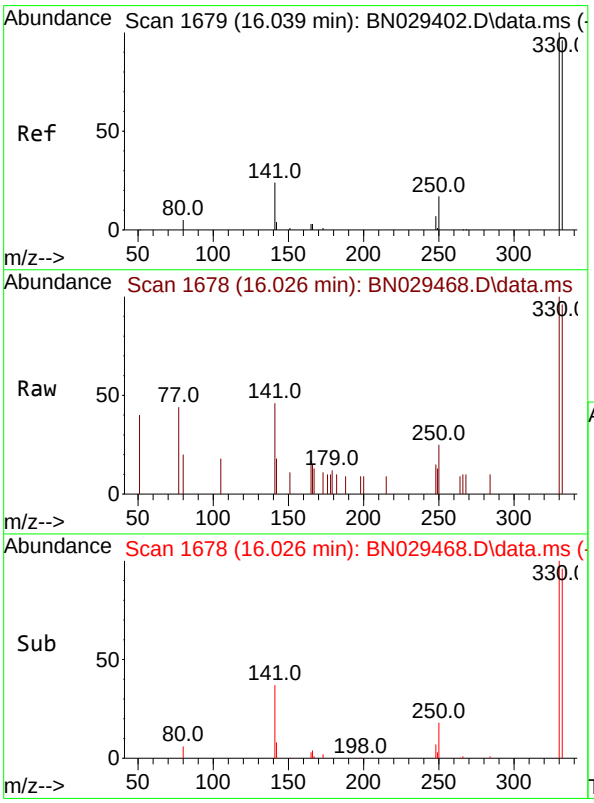
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:164 Resp: 7207

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	52.9	41.5	62.3

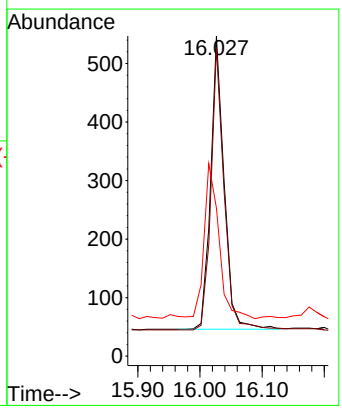


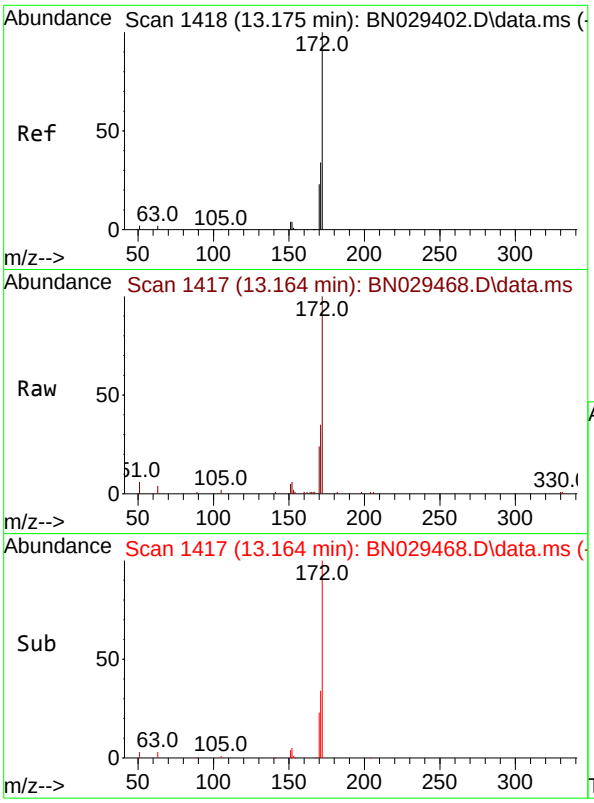


#14
2,4,6-Tribromophenol
Concen: 0.327 ng
RT: 16.026 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:330 Resp: 757

Ion	Ratio	Lower	Upper
330	100		
332	93.3	76.0	114.0
141	58.0	43.4	65.2



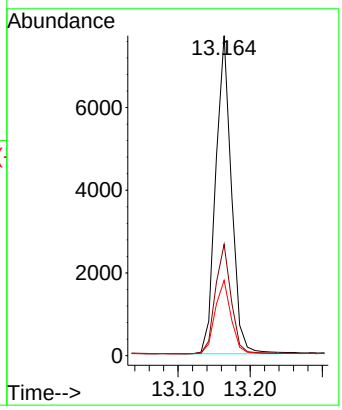


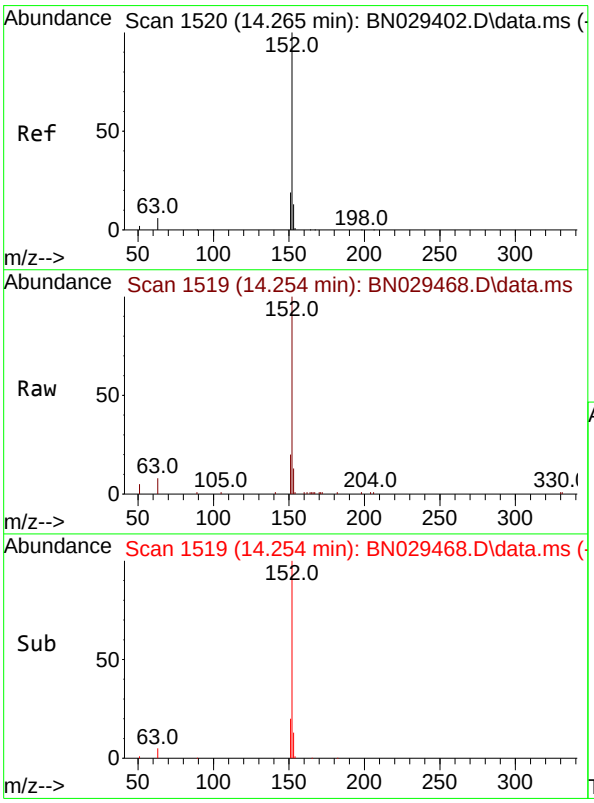
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.164 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:172 Resp: 11618

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	23.5	18.7	28.1

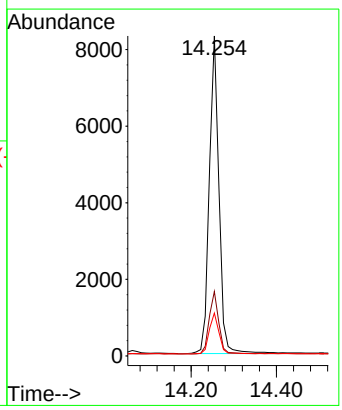


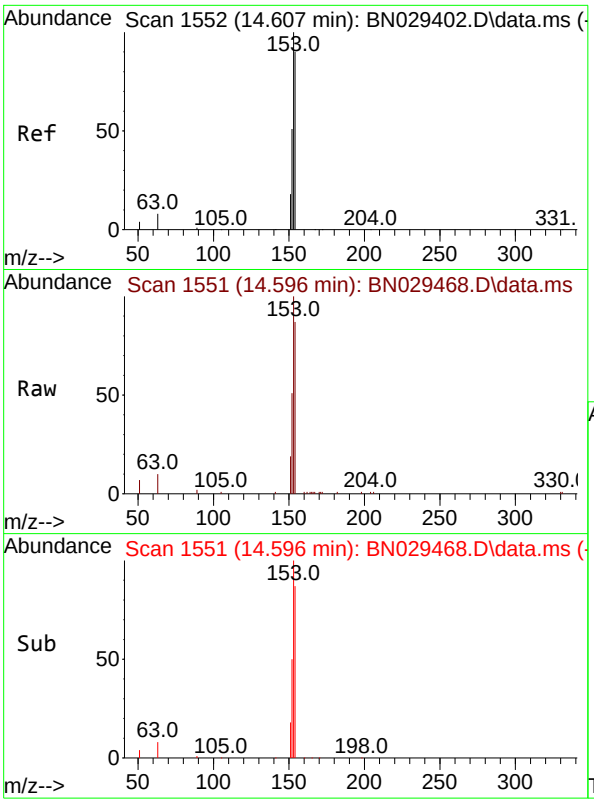


#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.254 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:152 Resp: 13019

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	13.0	10.5	15.7



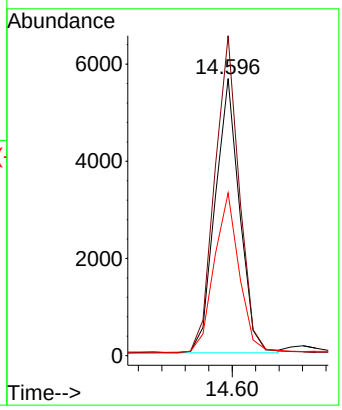


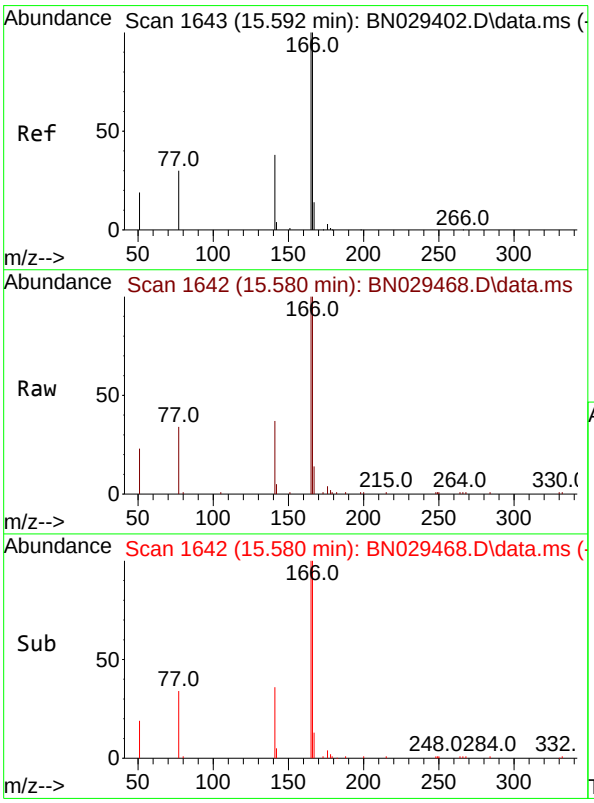
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.596 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:154 Resp: 8172

Ion	Ratio	Lower	Upper
154	100		
153	116.4	93.6	140.4
152	59.9	48.6	73.0

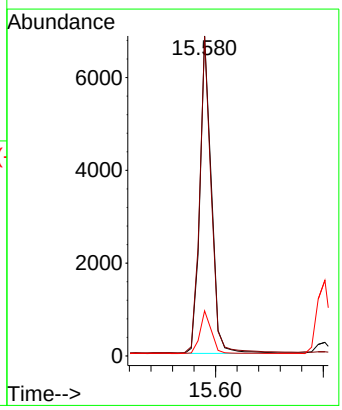


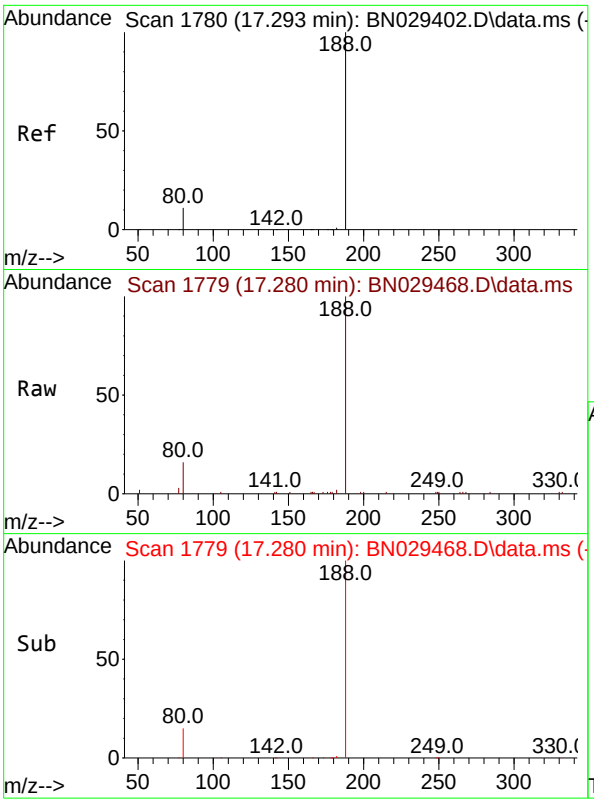


#18
Fluorene
Concen: 0.352 ng
RT: 15.580 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:166 Resp: 10146

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.9	119.9
167	13.5	11.3	16.9



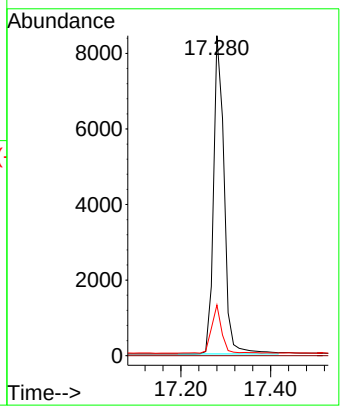


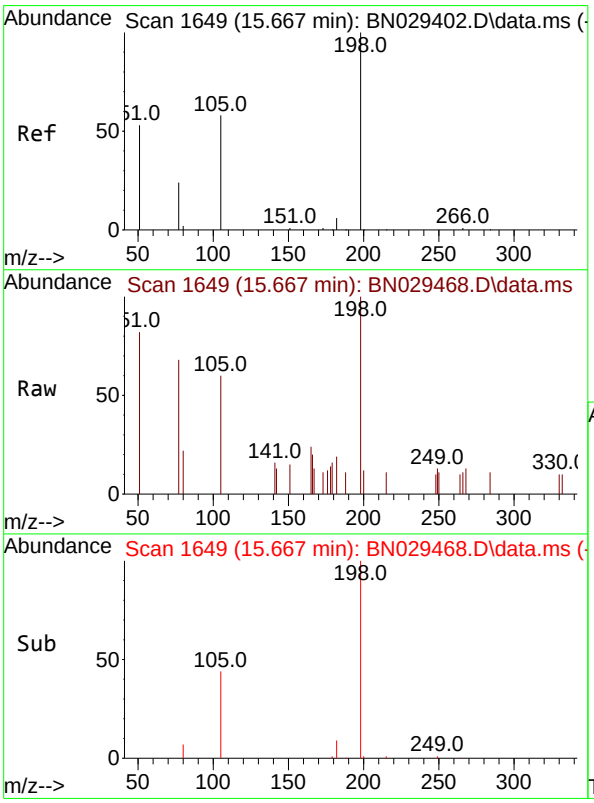
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:188 Resp: 13743

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.9	10.0	15.0#

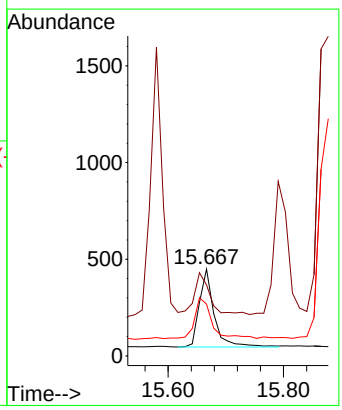


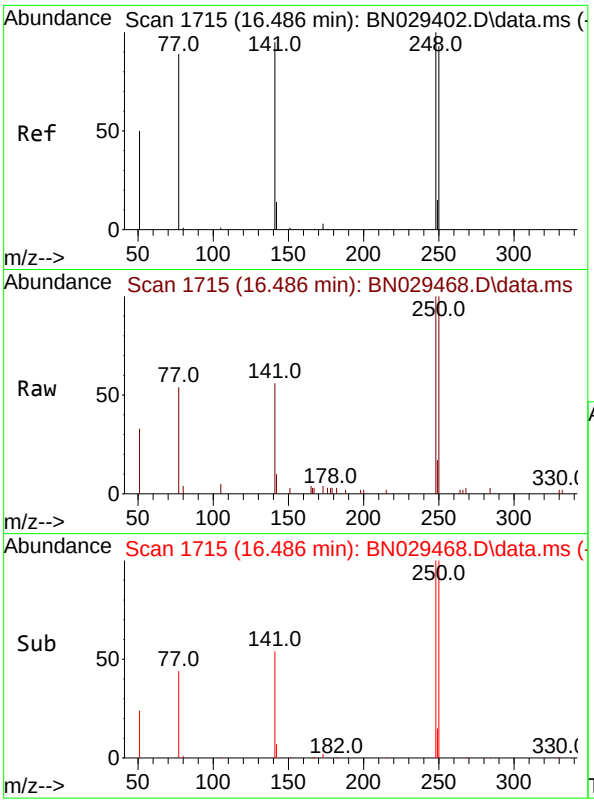


#20
4,6-Dinitro-2-methylphenol
Concen: 0.358 ng
RT: 15.667 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:198 Resp: 722

Ion	Ratio	Lower	Upper
198	100		
51	81.7	111.0	166.6#
105	59.7	67.0	100.6#



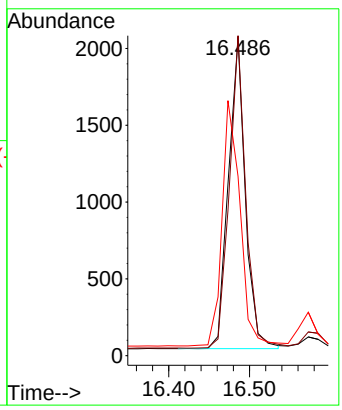


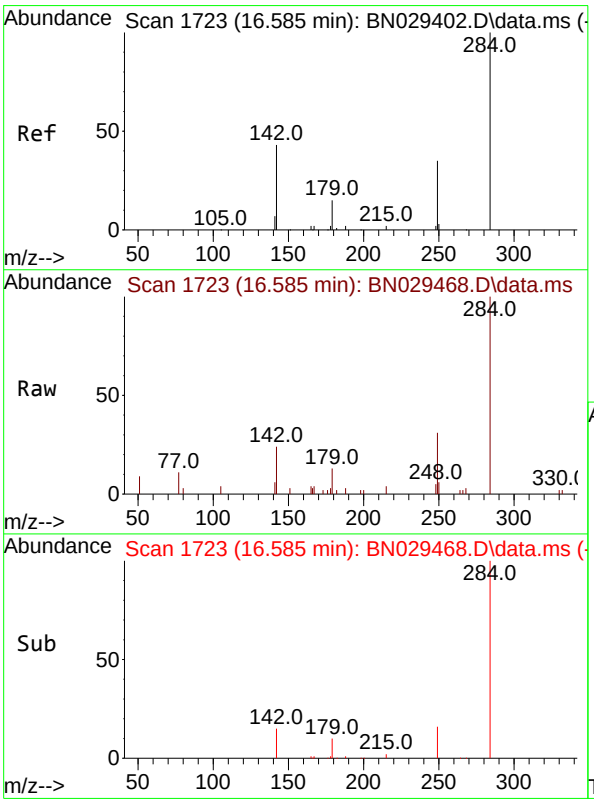
#21
4-Bromophenyl-phenylether
Concen: 0.359 ng
RT: 16.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:248 Resp: 2939

Ion	Ratio	Lower	Upper
248	100		
250	100.4	75.0	112.4
141	56.3	77.0	115.6#

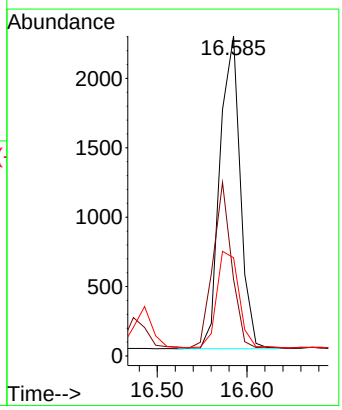


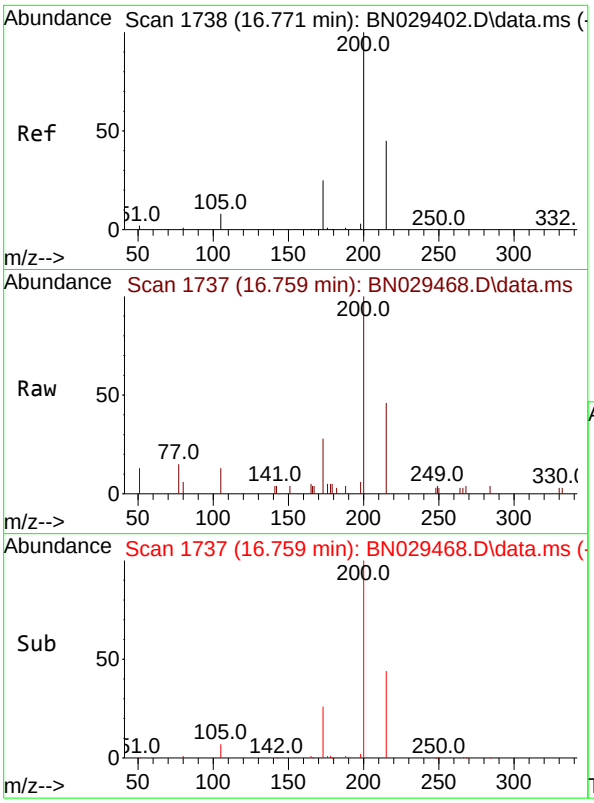


#22
Hexachlorobenzene
Concen: 0.353 ng
RT: 16.585 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:284 Resp: 3541

Ion	Ratio	Lower	Upper
284	100		
142	48.8	39.4	59.2
249	33.6	26.9	40.3



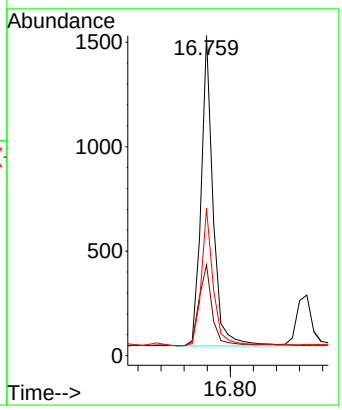


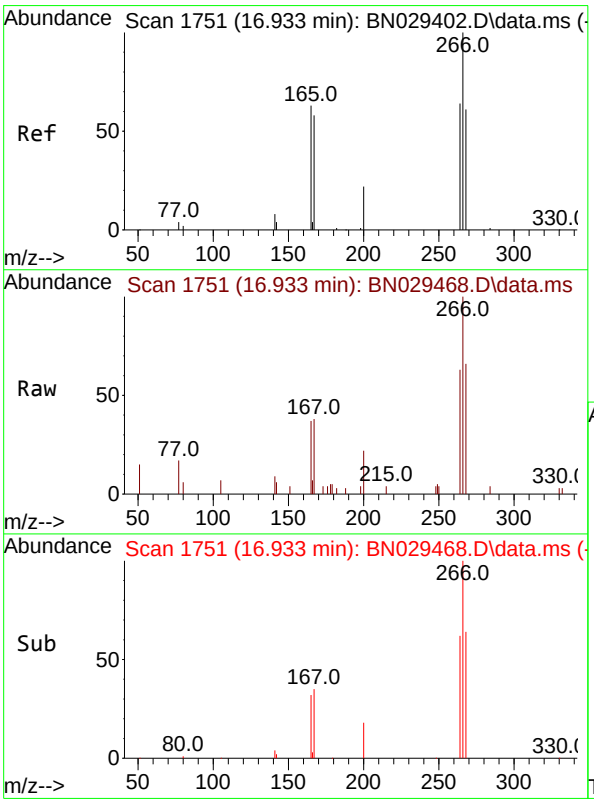
#23
Atrazine
Concen: 0.368 ng
RT: 16.759 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:200 Resp: 2138

Ion	Ratio	Lower	Upper
200	100		
173	28.4	23.4	35.0
215	46.0	38.4	57.6

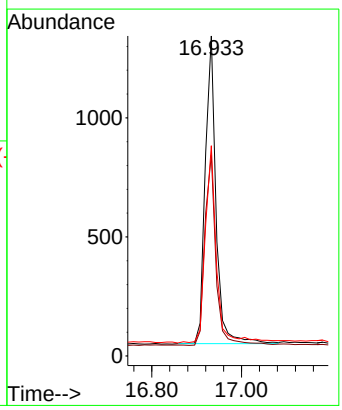


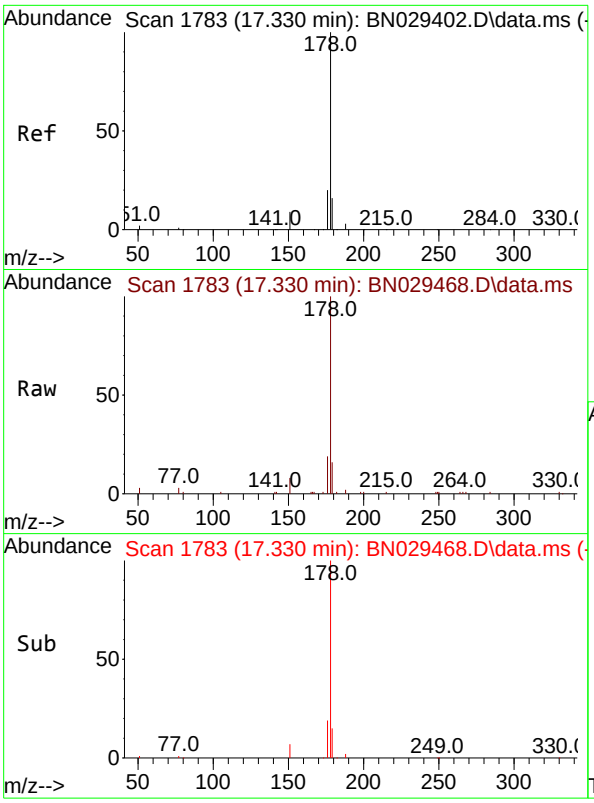


#24
Pentachlorophenol
Concen: 0.675 ng
RT: 16.933 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:266 Resp: 2145

Ion	Ratio	Lower	Upper
266	100		
264	63.9	50.8	76.2
268	66.3	51.5	77.3



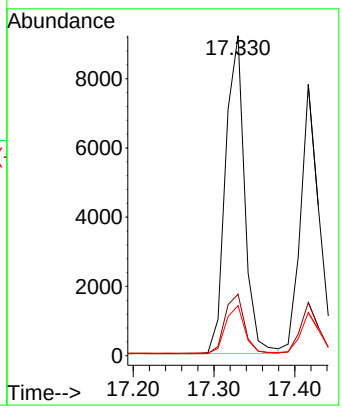


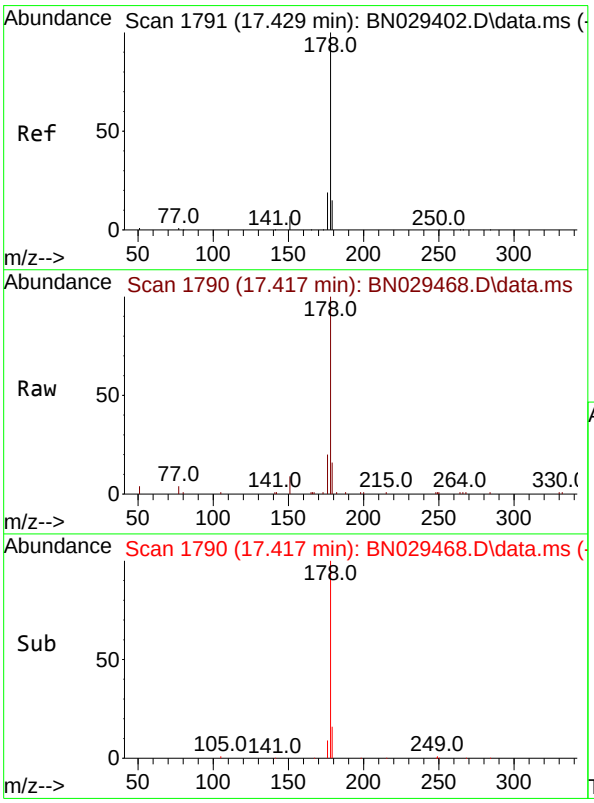
#25
Phenanthrene
Concen: 0.371 ng
RT: 17.330 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:178 Resp: 15068

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.1	12.6	19.0

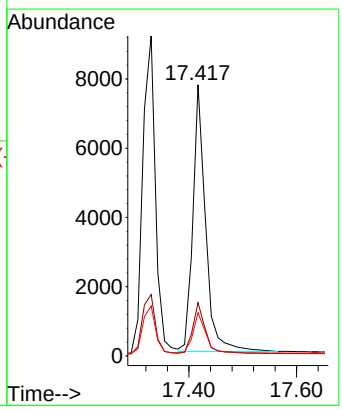


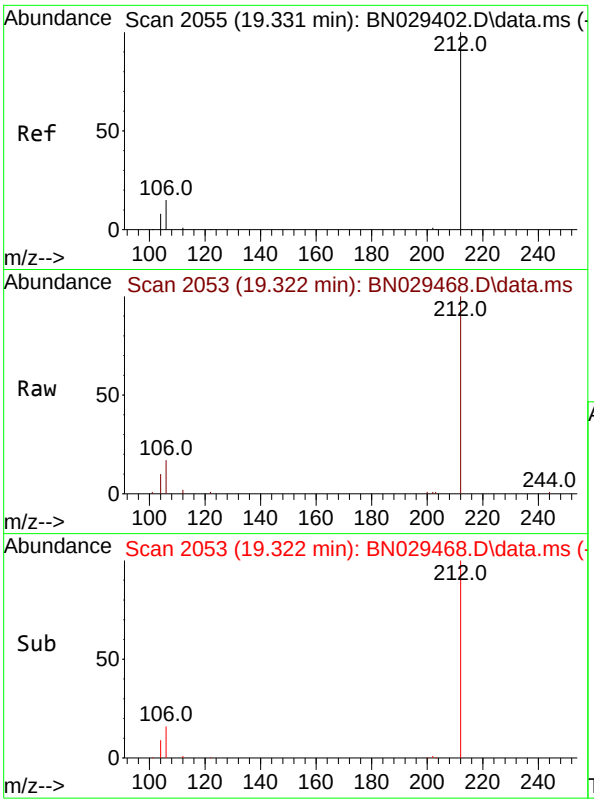


#26
Anthracene
Concen: 0.366 ng
RT: 17.417 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:178 Resp: 12669

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	12.3	18.5



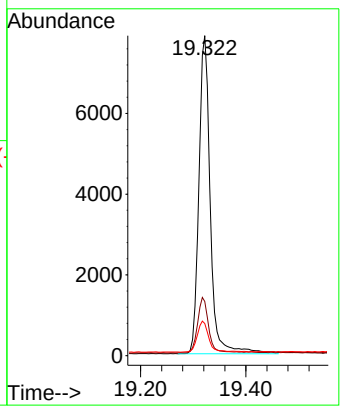


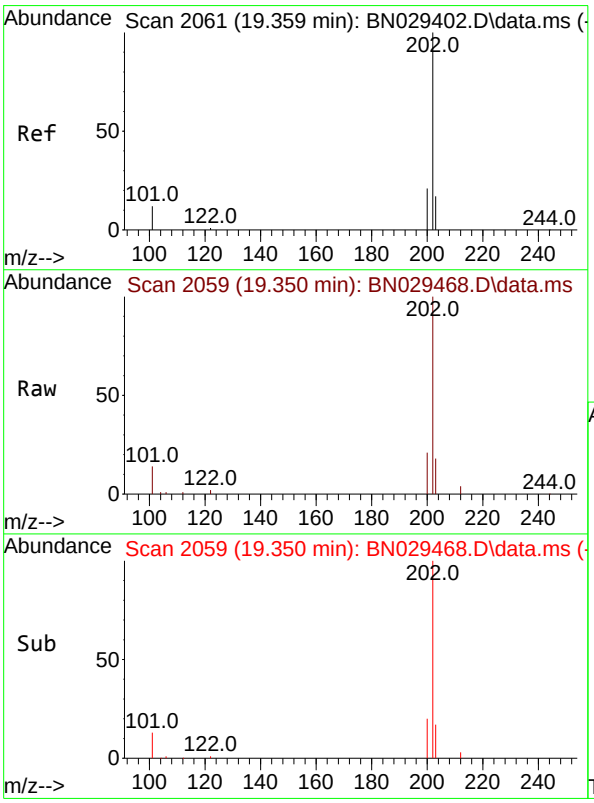
#27
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:212 Resp: 11834

Ion	Ratio	Lower	Upper
212	100		
106	16.5	13.2	19.8
104	9.6	7.7	11.5

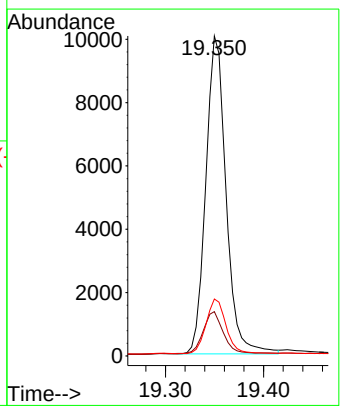


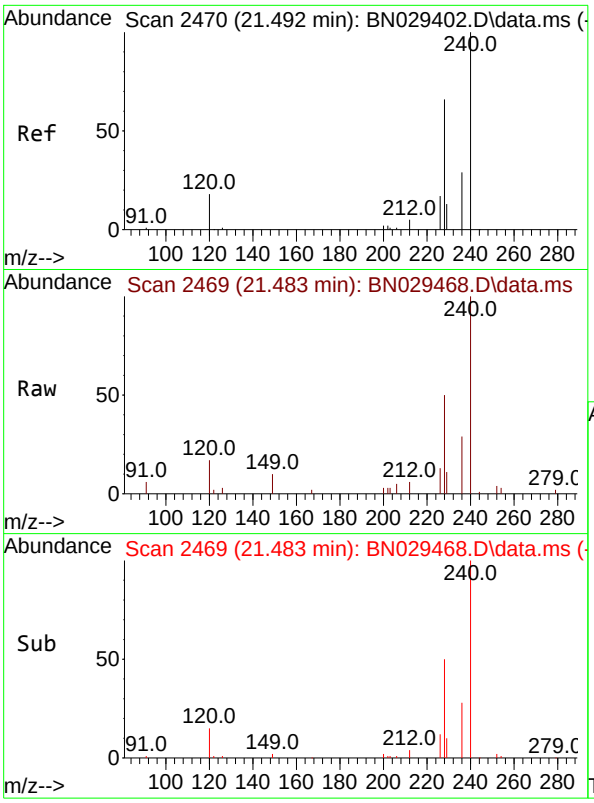


#28
Fluoranthene
Concen: 0.315 ng
RT: 19.350 min Scan# 2059
Delta R.T. -0.005 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:202 Resp: 14412

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.5	15.7
203	17.1	13.5	20.3



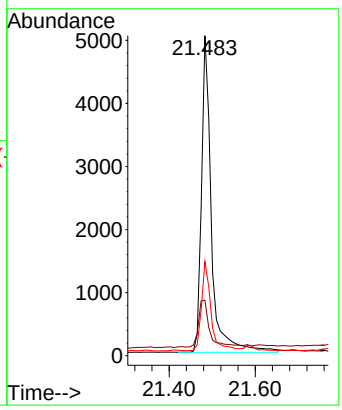


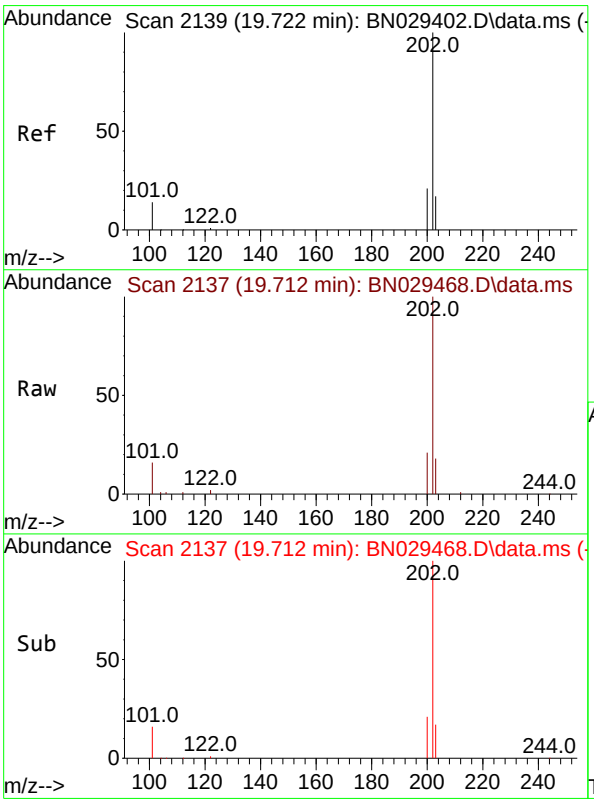
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.483 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:240 Resp: 8052

Ion	Ratio	Lower	Upper
240	100		
120	17.3	16.7	25.1
236	29.4	23.9	35.9

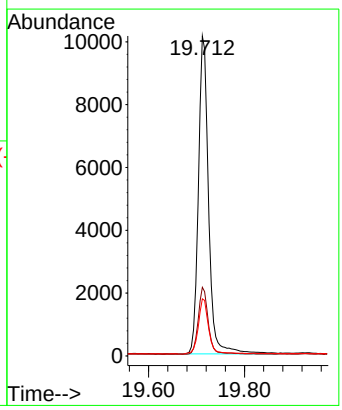


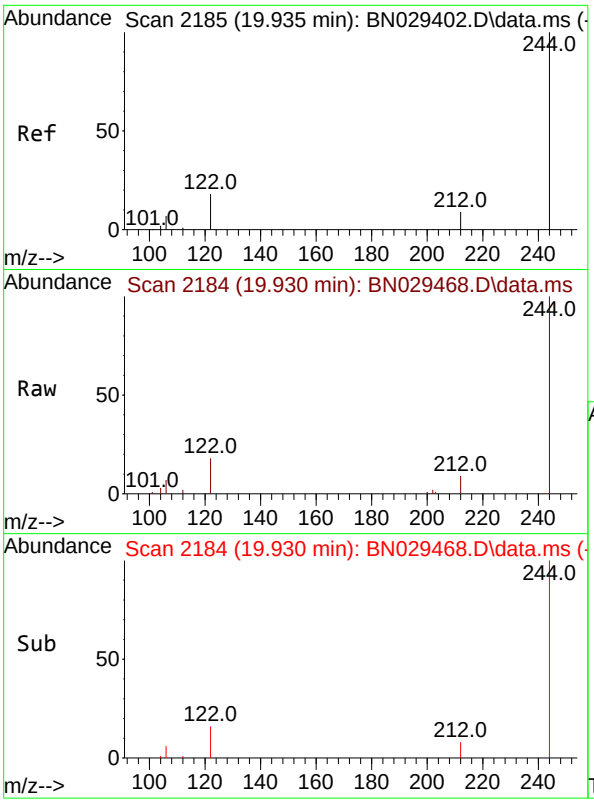


#30
Pyrene
Concen: 0.403 ng
RT: 19.712 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:202 Resp: 14927

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.6	14.2	21.4



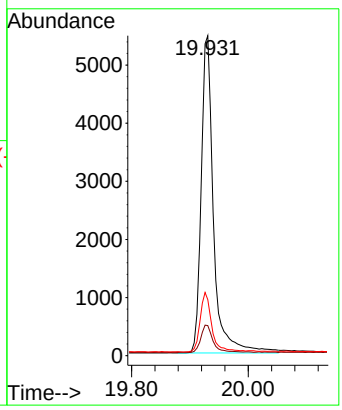


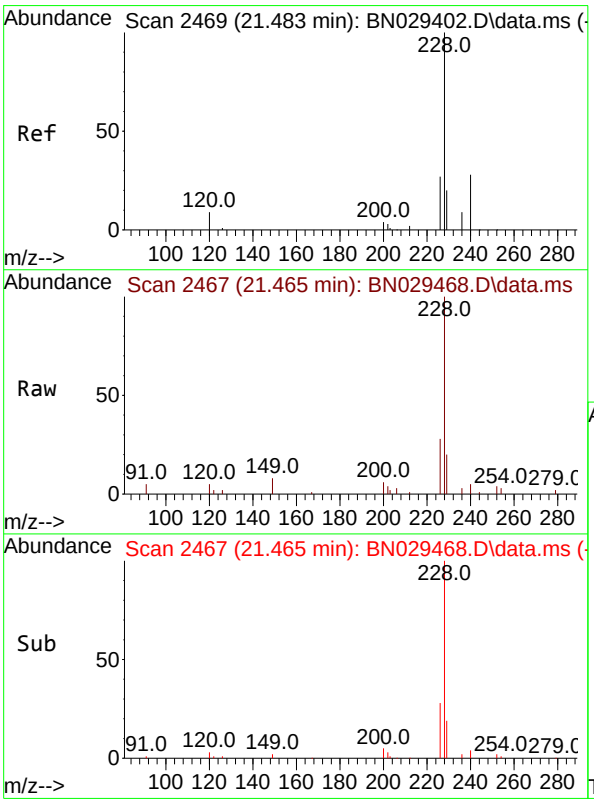
#31
Terphenyl-d14
Concen: 0.403 ng
RT: 19.930 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:244 Resp: 8061

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.2	12.4
122	17.5	15.6	23.4

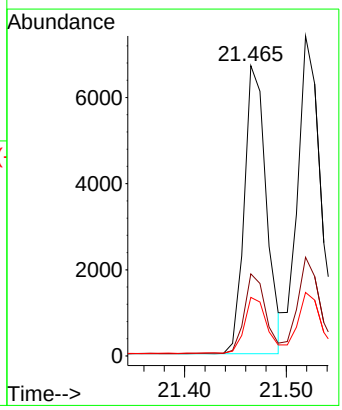


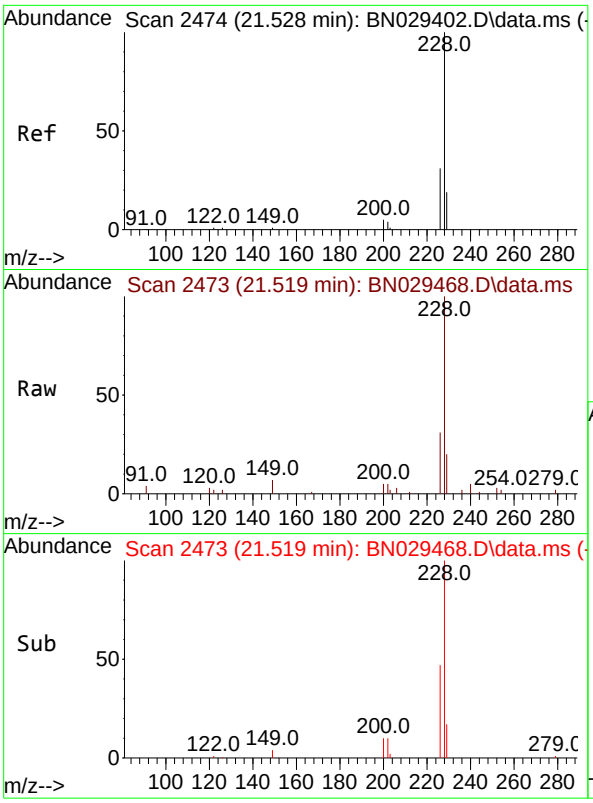


#32
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.465 min Scan# 2467
Delta R.T. -0.009 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:228 Resp: 10078

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.2	16.5	24.7



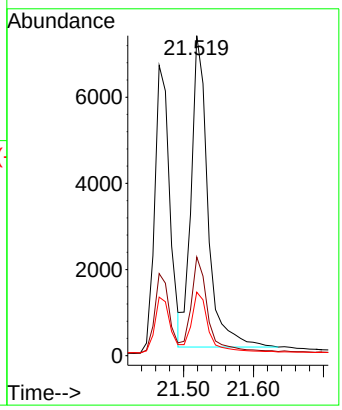


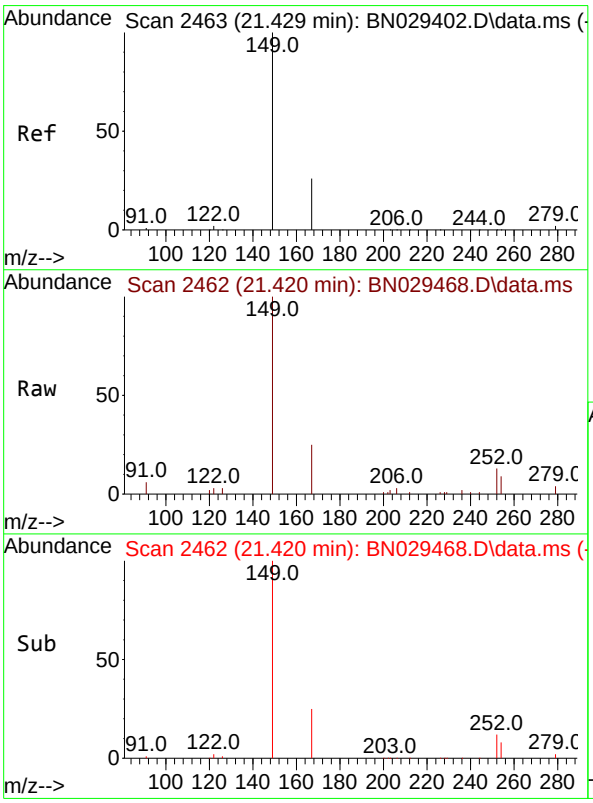
#33
Chrysene
Concen: 0.384 ng
RT: 21.519 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:228 Resp: 12001

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	19.9	15.9	23.9

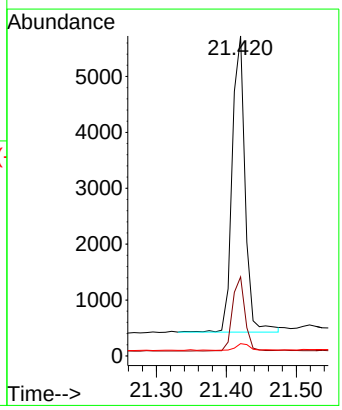


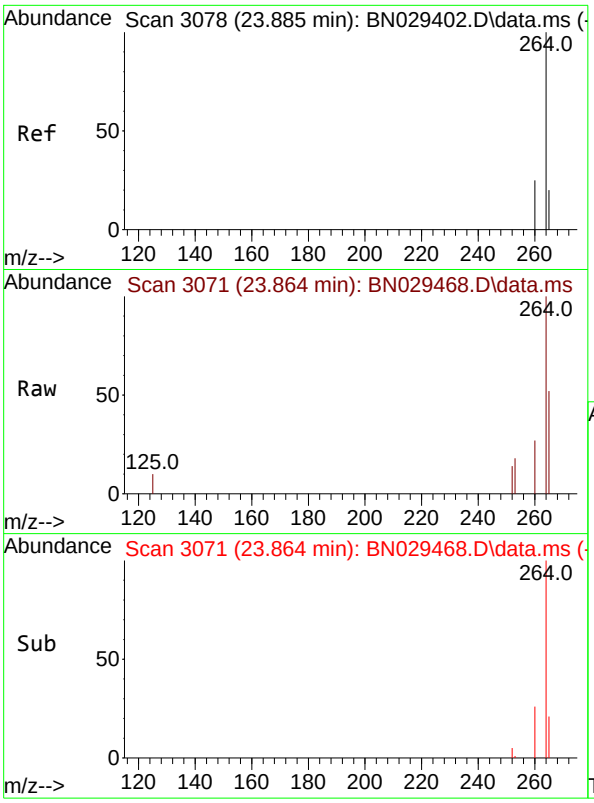


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.363 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.000 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:149 Resp: 6811

Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.1	30.1
279	2.6	2.5	3.7



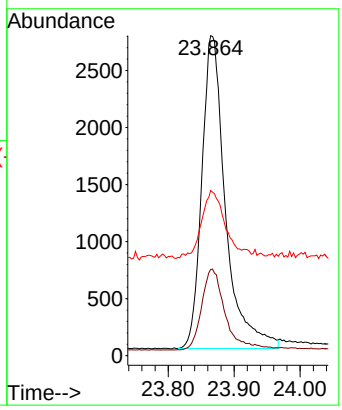


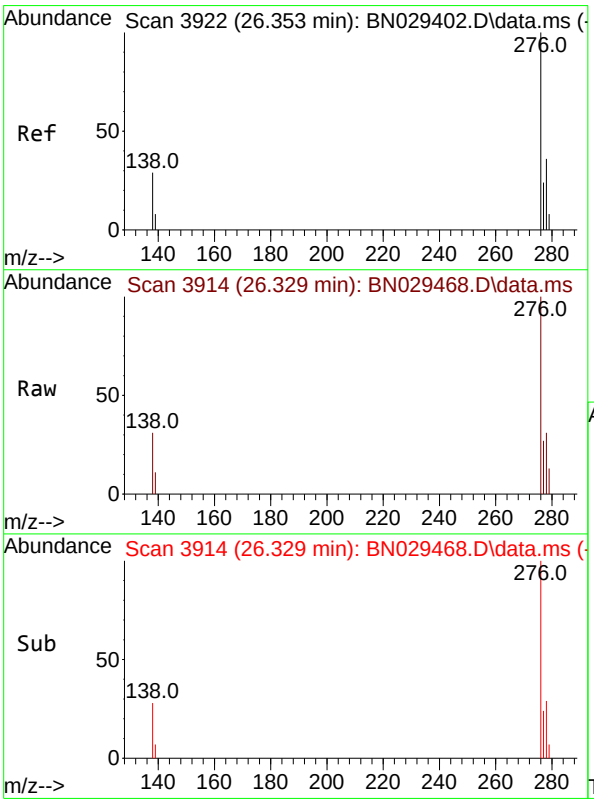
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.864 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:264 Resp: 6860

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.2	31.8
265	51.6	41.5	62.3

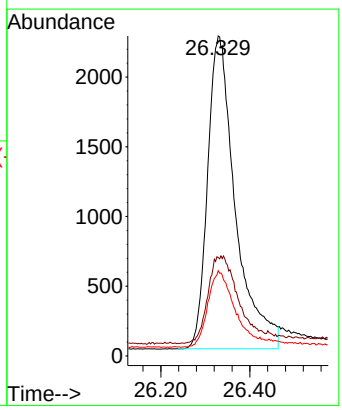


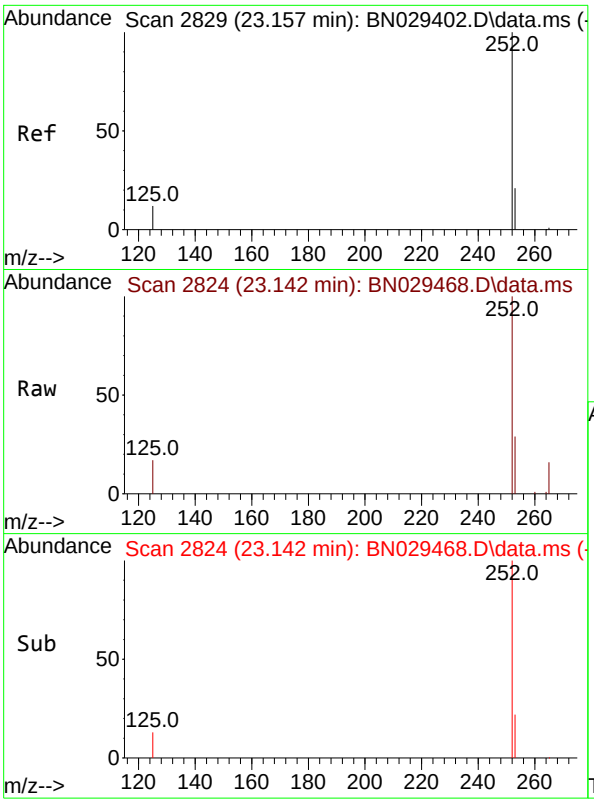


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.353 ng
RT: 26.329 min Scan# 3914
Delta R.T. -0.006 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:276 Resp: 9730

Ion	Ratio	Lower	Upper
276	100		
138	12.1	20.5	30.7#
277	23.5	17.0	25.4



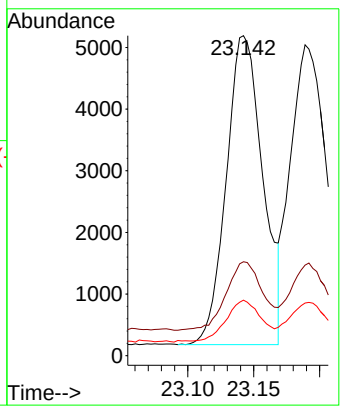


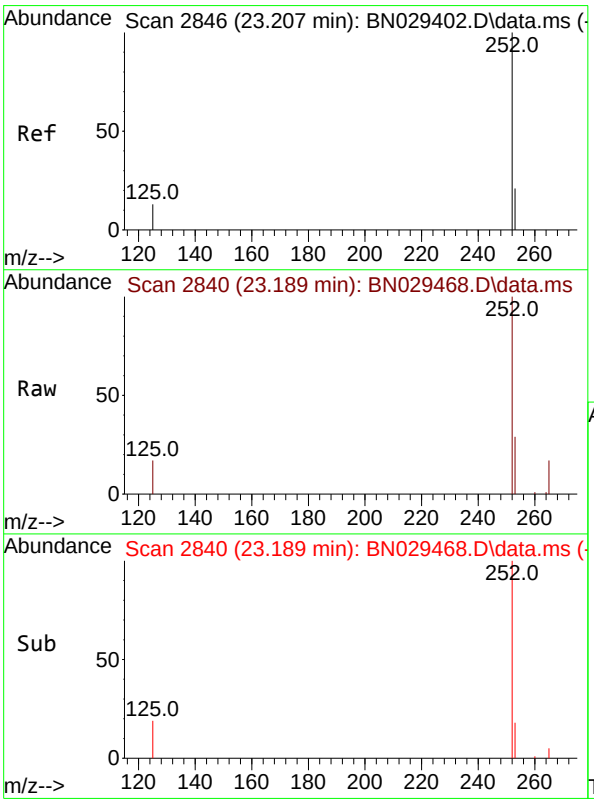
#37
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 23.142 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:252 Resp: 9672

Ion	Ratio	Lower	Upper
252	100		
253	29.3	21.7	32.5
125	17.4	13.3	19.9

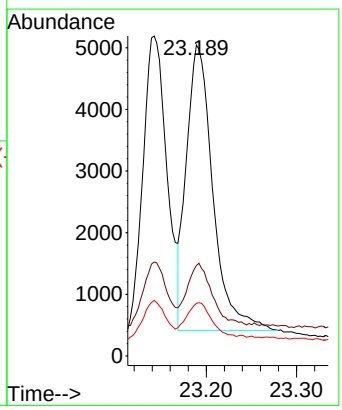


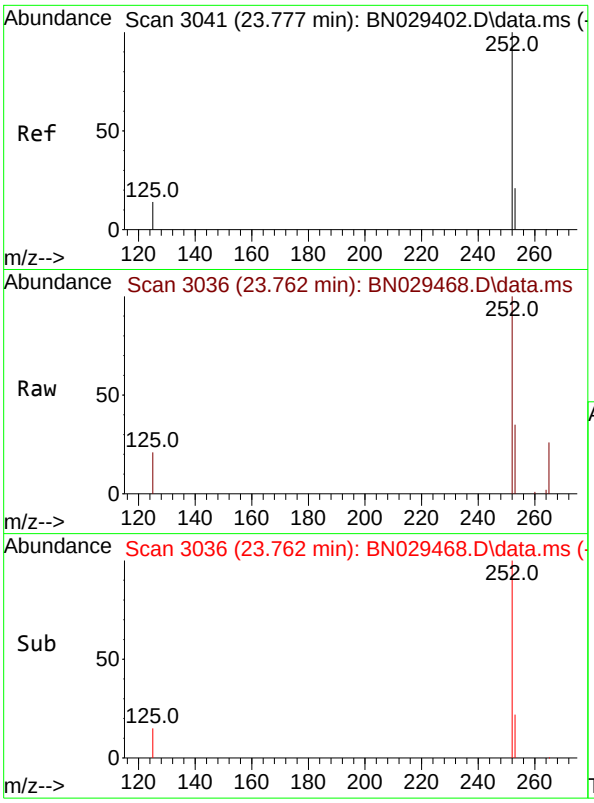


#38
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 23.189 min Scan# 2840
Delta R.T. -0.009 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:252 Resp: 9435

Ion	Ratio	Lower	Upper
252	100		
253	29.1	21.8	32.8
125	16.9	13.9	20.9



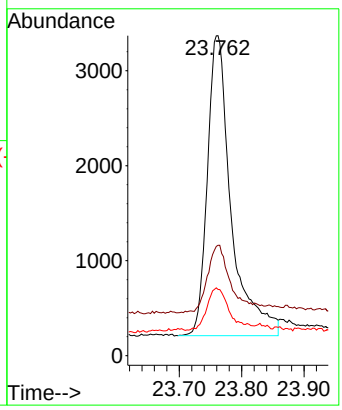


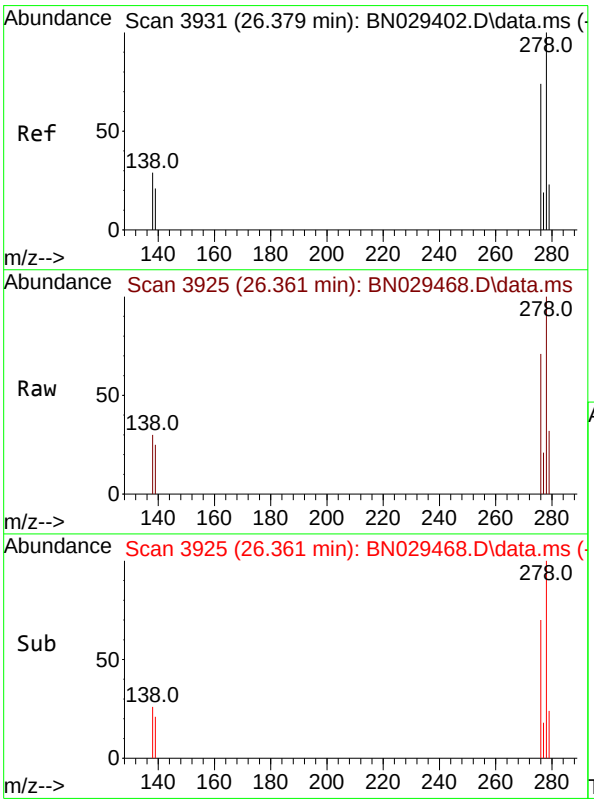
#39
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:252 Resp: 8400

Ion	Ratio	Lower	Upper
252	100		
253	34.5	24.9	37.3
125	20.7	16.6	25.0

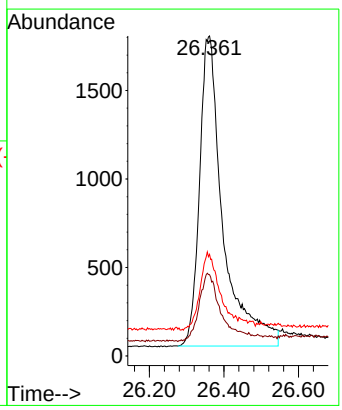


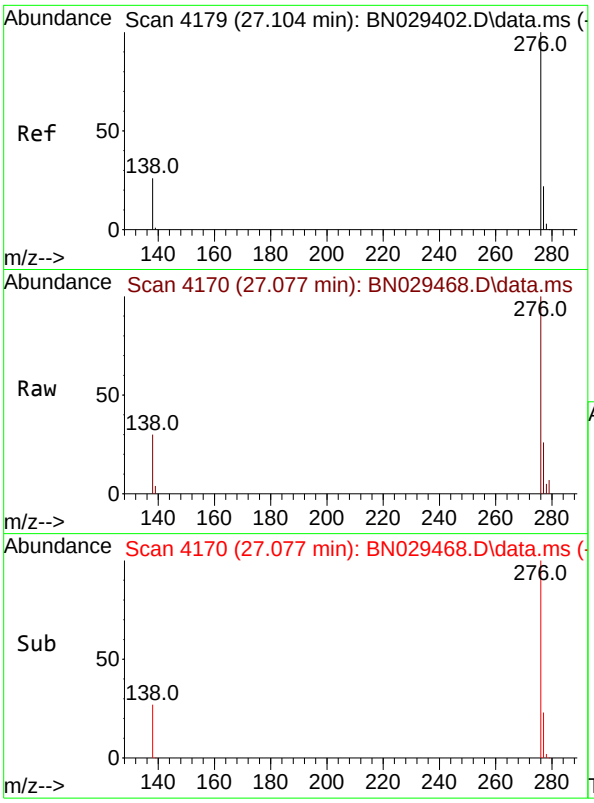


#40
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 26.361 min Scan# 3925
Delta R.T. -0.003 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Tgt Ion:278 Resp: 7688

Ion	Ratio	Lower	Upper
278	100		
139	25.4	20.4	30.6
279	31.7	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.320 ng
RT: 27.077 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN029468.D
Acq: 01 Feb 2024 03:11

Instrument :
BNA_N
ClientSampleId :
PB158665BS

Tgt Ion:276 Resp: 8563

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.2
138	30.3	23.5	35.3