Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020124\
Data File : BN029481.D
Acq On : 01 Feb 2024 11:39
Operator : MA/JU
Sample : PB158718BSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Quant Time: Feb 01 12:13:06 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	4474	0.400	ng	0.00
7) Naphthalene-d8	10.690	136	12084	0.400	ng	0.00
13) Acenaphthene-d10	14.532	164	5264	0.400	ng	0.00
19) Phenanthrene-d10	17.280	188	9515	0.400	ng	# 0.00
29) Chrysene-d12	21.483	240	4978	0.400	ng	0.00
35) Perylene-d12	23.867	264	4259	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.471	112	4035	0.375	ng	0.00
5) Phenol-d6	7.060	99	4818	0.389	ng	0.00
8) Nitrobenzene-d5	9.057	82	3803	0.378	ng	0.00
11) 2-Methylnaphthalene-d10	12.284	152	8402	0.511	ng	0.00
14) 2,4,6-Tribromophenol	16.027	330	543	0.322	ng	0.00
15) 2-Fluorobiphenyl	13.164	172	8821	0.390	ng	0.00
27) Fluoranthene-d10	19.322	212	7911	0.343	ng	0.00
31) Terphenyl-d14	19.931	244	5243	0.424	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.377	88	1900	0.302	ng	# 65
3) n-Nitrosodimethylamine	3.709	42	1838	0.358	ng	# 90
6) bis(2-Chloroethyl)ether	7.334	93	4510	0.381	ng	99
9) Naphthalene	10.744	128	12417	0.361	ng	99
10) Hexachlorobutadiene	11.021	225	2253	0.345	ng	# 98
12) 2-Methylnaphthalene	12.359	142	7278	0.360	ng	100
16) Acenaphthylene	14.254	152	9622	0.385	ng	99
17) Acenaphthene	14.597	154	5972	0.356	ng	99
18) Fluorene	15.580	166	7413	0.352	ng	99
20) 4,6-Dinitro-2-methylph...	15.667	198	486	0.348	ng	# 62
21) 4-Bromophenyl-phenylether	16.486	248	2070	0.366	ng	# 75
22) Hexachlorobenzene	16.585	284	2487	0.358	ng	99
23) Atrazine	16.759	200	1416	0.352	ng	98
24) Pentachlorophenol	16.933	266	1430	0.649	ng	97
25) Phenanthrene	17.330	178	10393	0.369	ng	99
26) Anthracene	17.417	178	8726	0.364	ng	100
28) Fluoranthene	19.350	202	9711	0.307	ng	99
30) Pyrene	19.712	202	9596	0.419	ng	99
32) Benzo(a)anthracene	21.465	228	6354	0.374	ng	99
33) Chrysene	21.519	228	7102	0.367	ng	99
34) Bis(2-ethylhexyl)phtha...	21.420	149	4051	0.350	ng	96
36) Indeno(1,2,3-cd)pyrene	26.323	276	6438	0.376	ng	92
37) Benzo(b)fluoranthene	23.142	252	5780	0.380	ng	94
38) Benzo(k)fluoranthene	23.192	252	5981	0.375	ng	95
39) Benzo(a)pyrene	23.762	252	5345	0.403	ng	91
40) Dibenzo(a,h)anthracene	26.361	278	4922	0.361	ng	97
41) Benzo(g,h,i)perylene	27.080	276	5880	0.354	ng	97

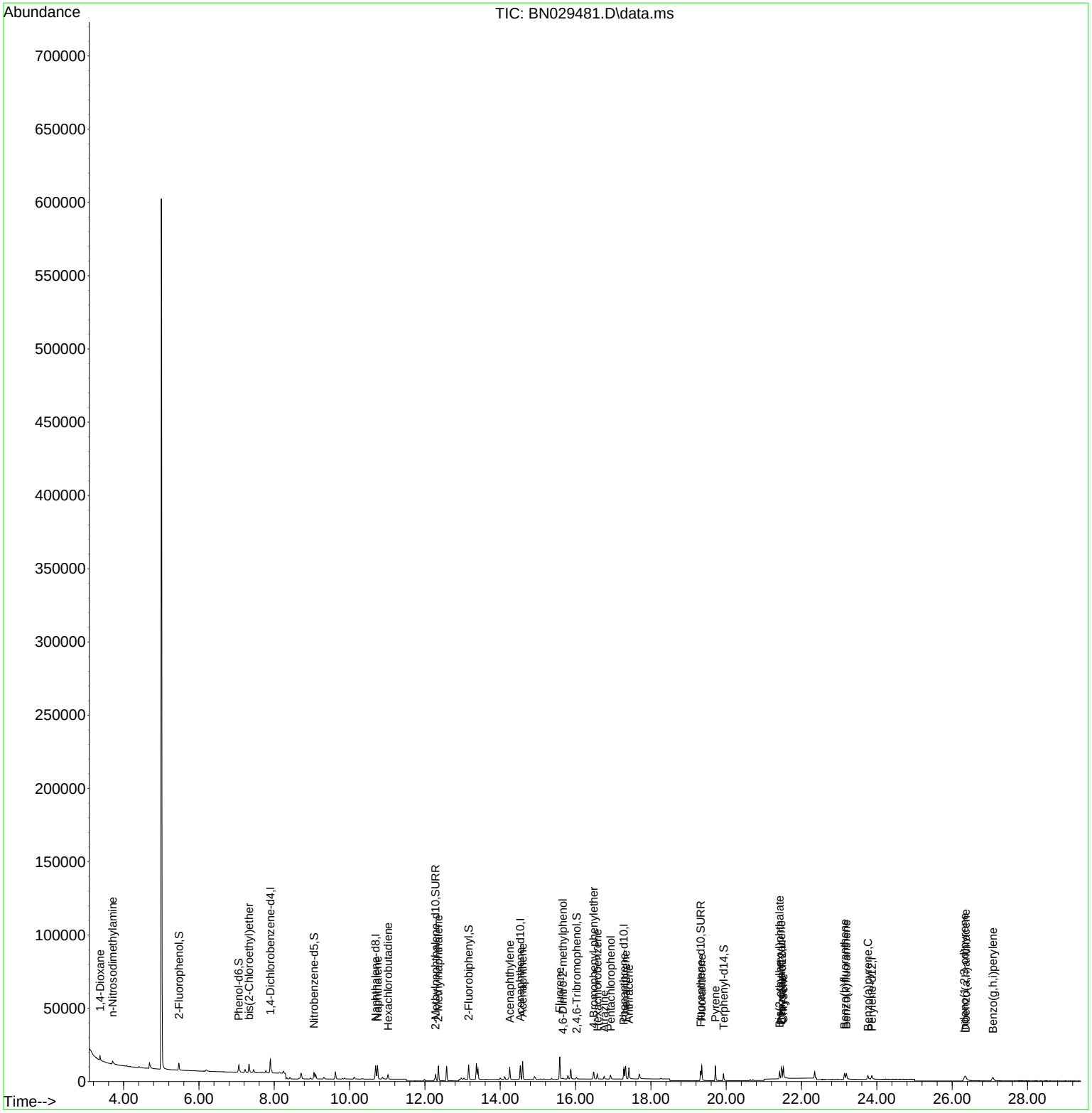
(#) = qualifier out of range (m) = manual integration (+) = signals summed

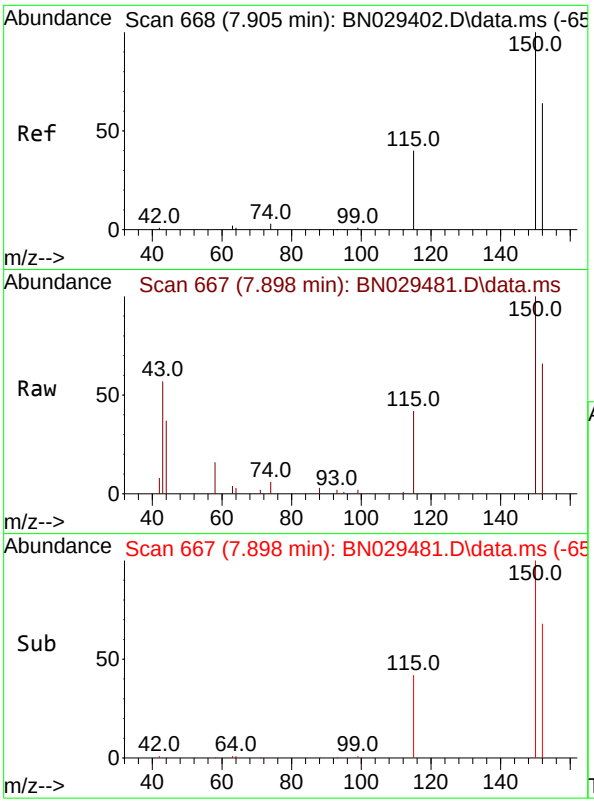
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020124\
Data File : BN029481.D
Acq On : 01 Feb 2024 11:39
Operator : MA/JU
Sample : PB158718BSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Quant Time: Feb 01 12:13:06 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



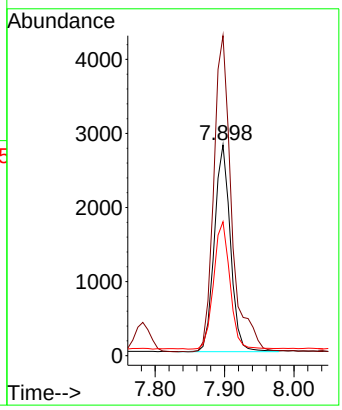


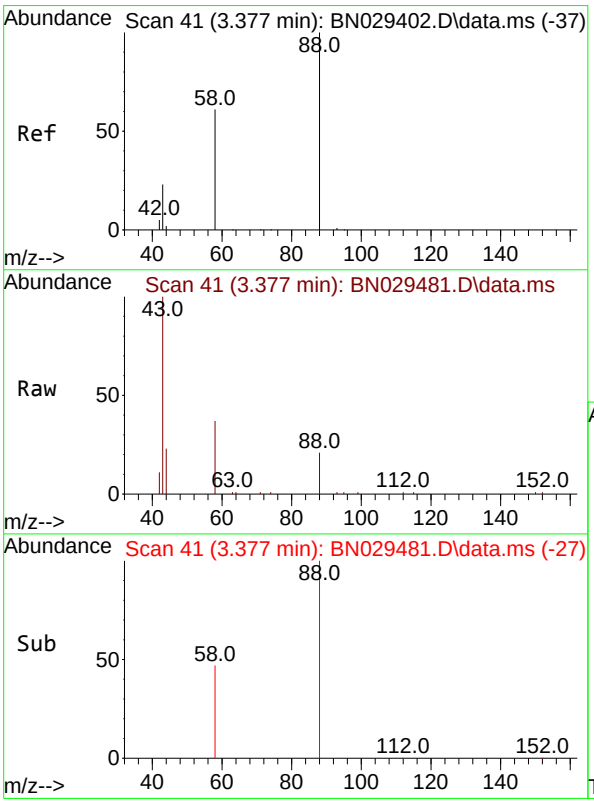
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.898 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:152 Resp: 4474

Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.0	184.4
115	63.6	51.4	77.0

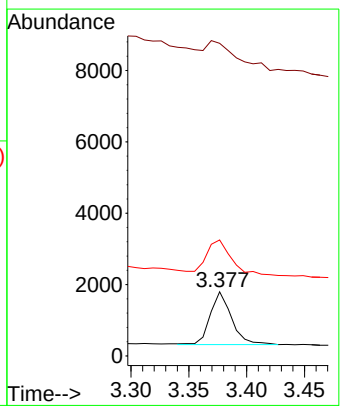


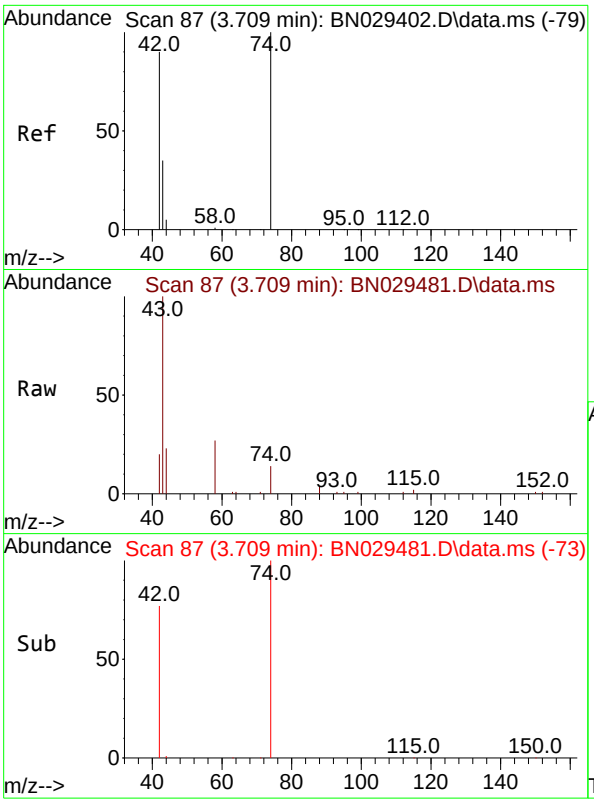


#2
1,4-Dioxane
Concen: 0.302 ng
RT: 3.377 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion: 88 Resp: 1900

Ion	Ratio	Lower	Upper
88	100		
43	72.6	23.3	34.9#
58	78.6	53.8	80.6



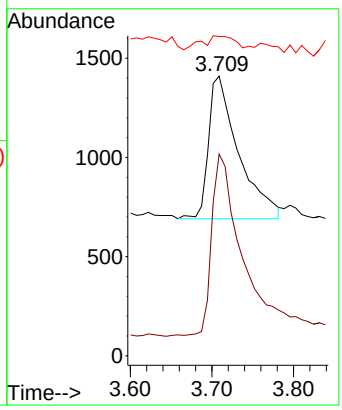


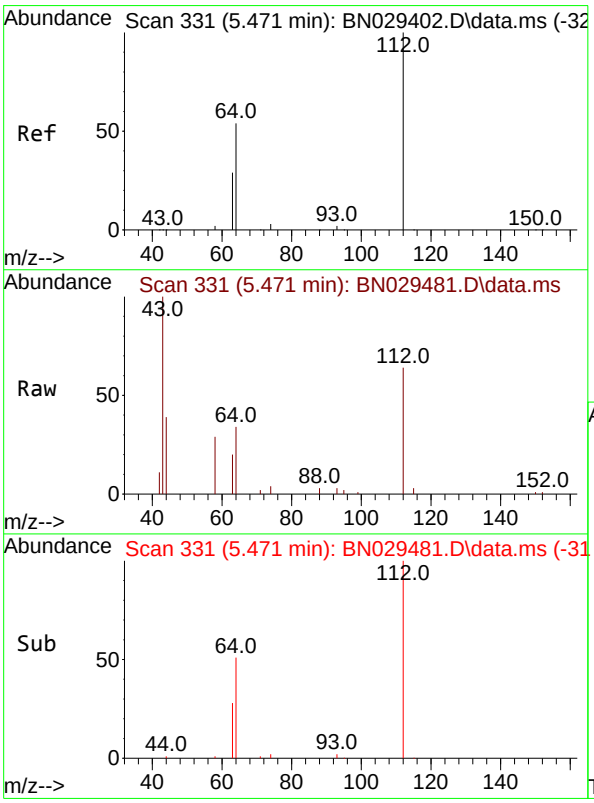
#3
n-Nitrosodimethylamine
Concen: 0.358 ng
RT: 3.709 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion: 42 Resp: 1838

Ion	Ratio	Lower	Upper
42	100		
74	127.2	93.7	140.5
44	10.9	13.0	19.4#

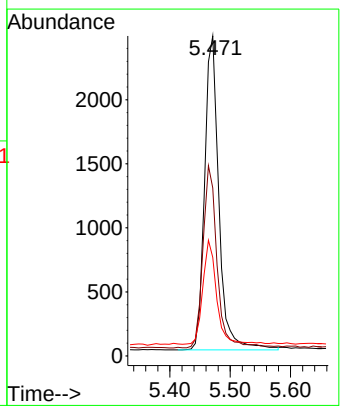


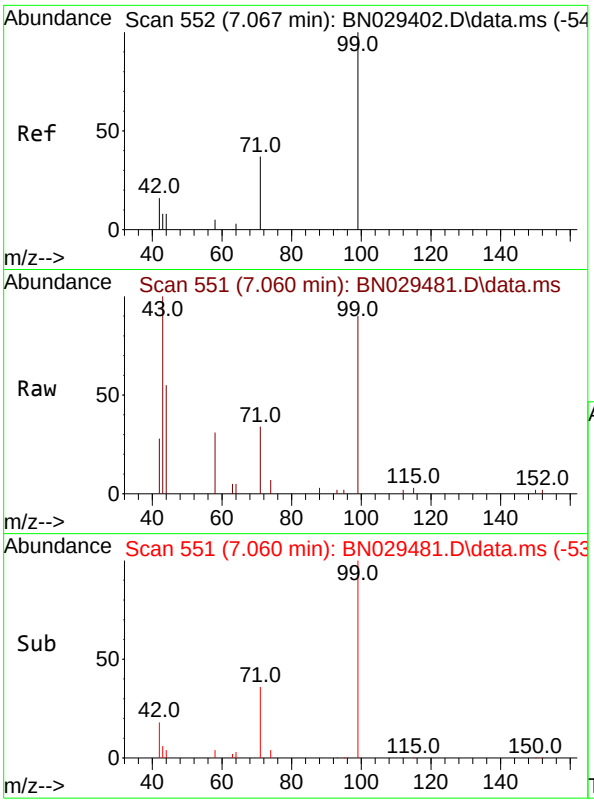


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.471 min Scan# 331
Delta R.T. 0.007 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:112 Resp: 4035

Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.2	70.8
63	32.0	25.8	38.6



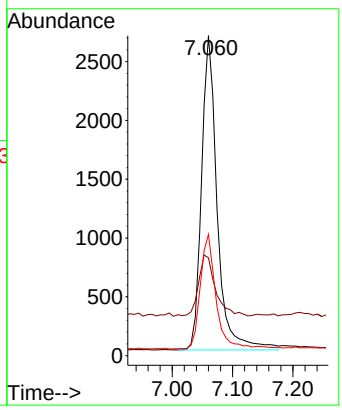


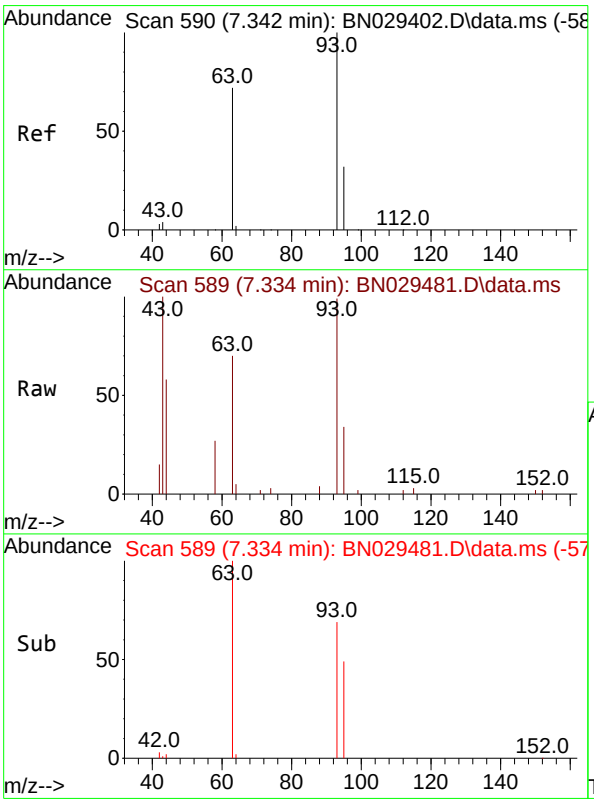
#5
Phenol-d6
Concen: 0.389 ng
RT: 7.060 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion: 99 Resp: 4818

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.9	25.3
71	36.6	30.0	45.0

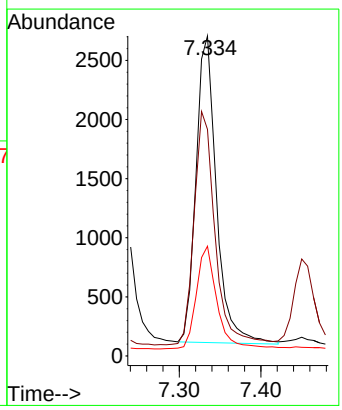


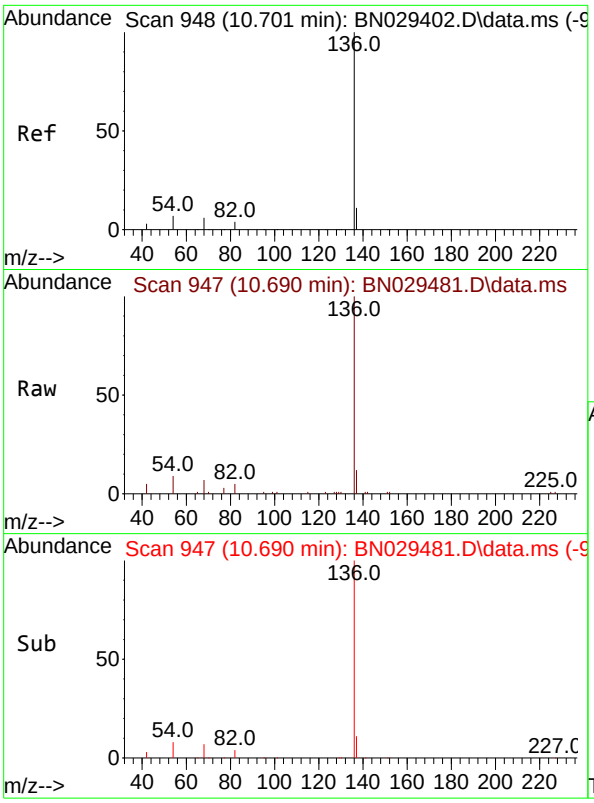


#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 7.334 min Scan# 589
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion: 93 Resp: 4510

Ion	Ratio	Lower	Upper
93	100		
63	78.1	63.1	94.7
95	34.3	27.1	40.7



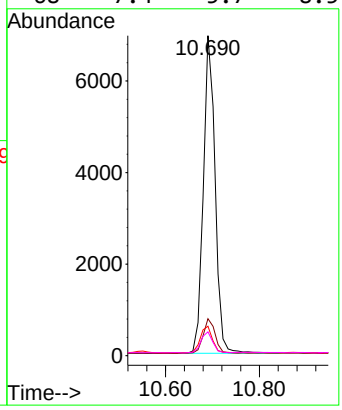


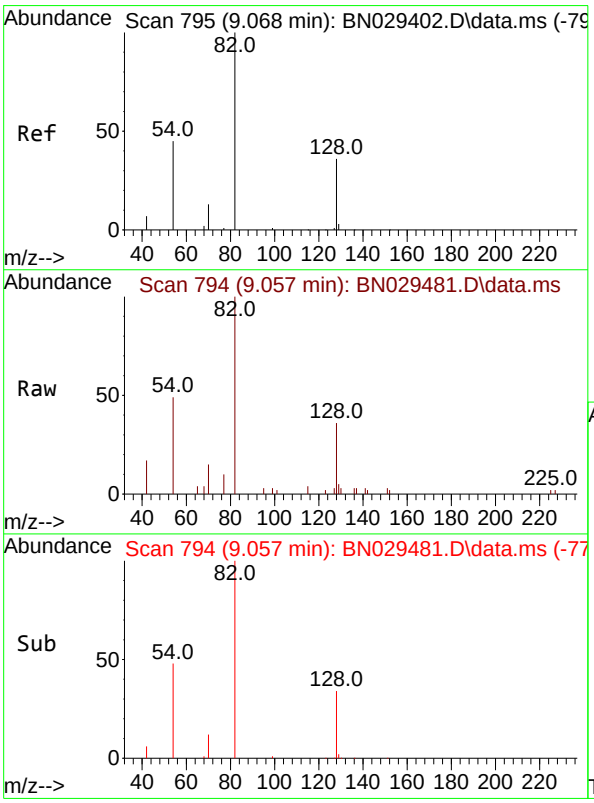
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:136 Resp: 12084

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	9.2	6.6	10.0
68	7.4	5.7	8.5

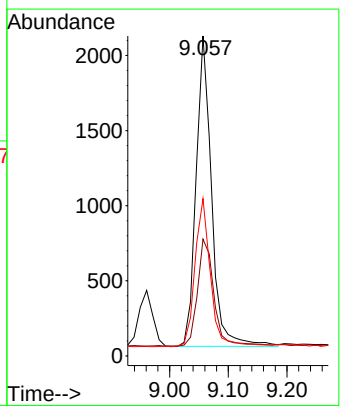


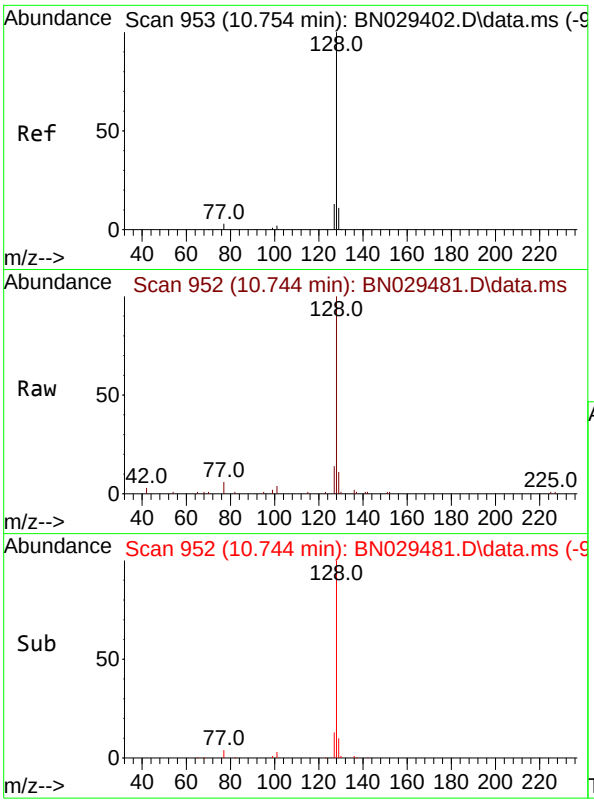


#8
Nitrobenzene-d5
Concen: 0.378 ng
RT: 9.057 min Scan# 794
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion: 82 Resp: 3803

Ion	Ratio	Lower	Upper
82	100		
128	36.5	31.6	47.4
54	49.2	38.2	57.4



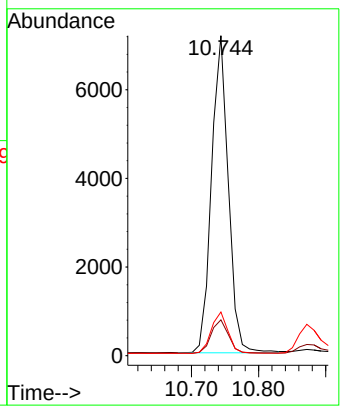


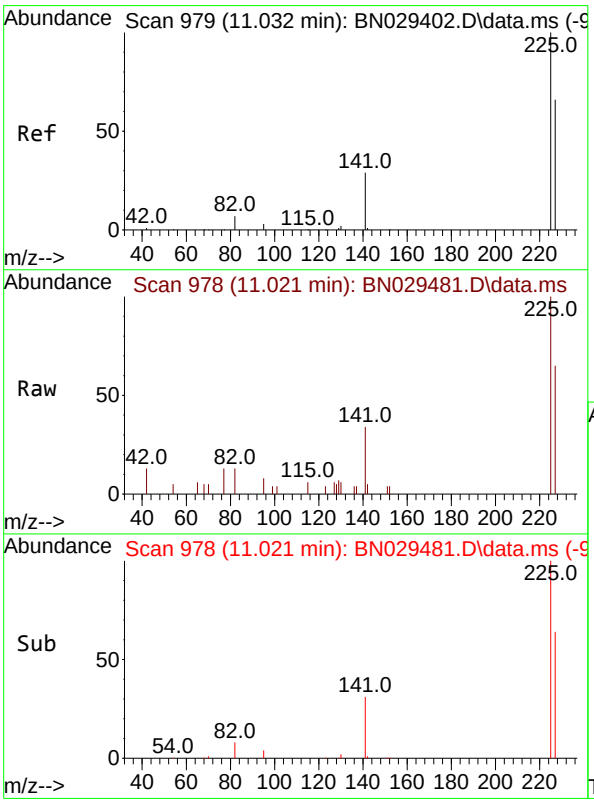
#9
Naphthalene
Concen: 0.361 ng
RT: 10.744 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:128 Resp: 12417

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	13.6	10.8	16.2

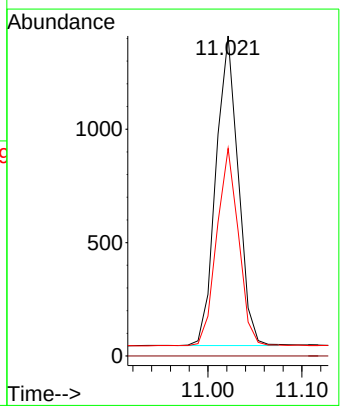


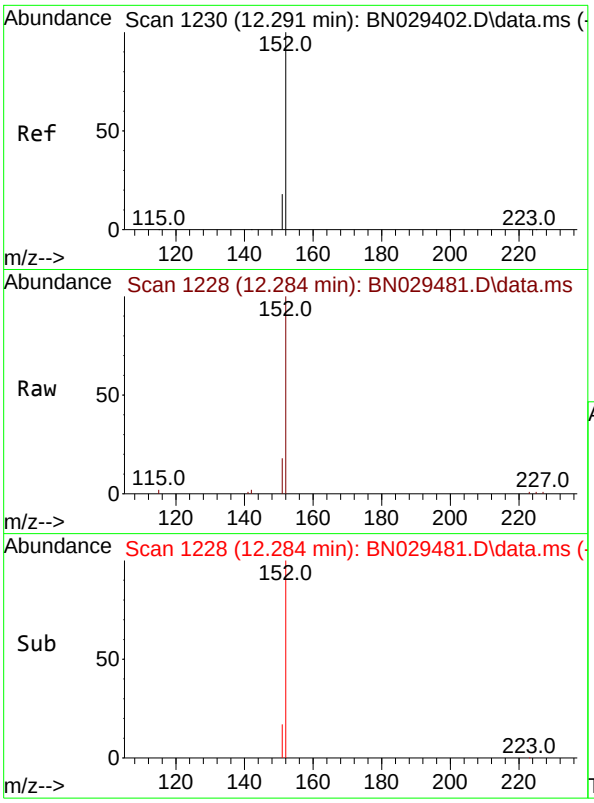


#10
Hexachlorobutadiene
Concen: 0.345 ng
RT: 11.021 min Scan# 978
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:225 Resp: 2253

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.1	51.1	76.7



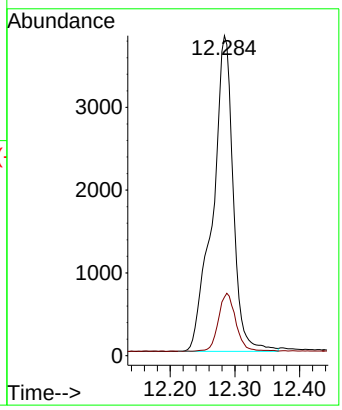


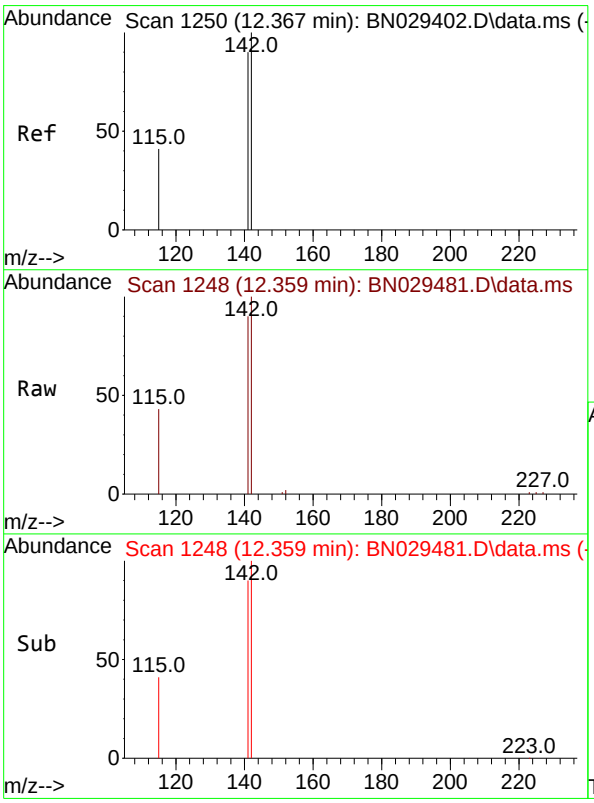
#11
2-Methylnaphthalene-d10
Concen: 0.511 ng
RT: 12.284 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:152 Resp: 8402

Ion	Ratio	Lower	Upper
152	100		
151	15.5	17.1	25.7#

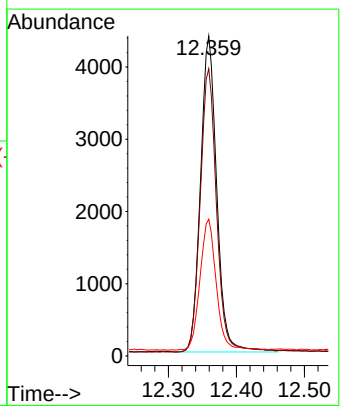


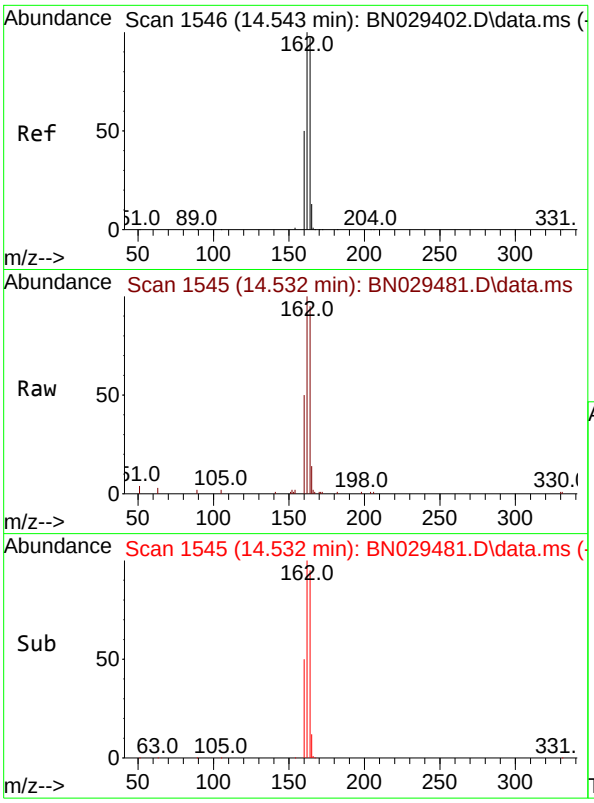


#12
2-Methylnaphthalene
Concen: 0.360 ng
RT: 12.359 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:142 Resp: 7278

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.9	107.9
115	42.7	33.9	50.9



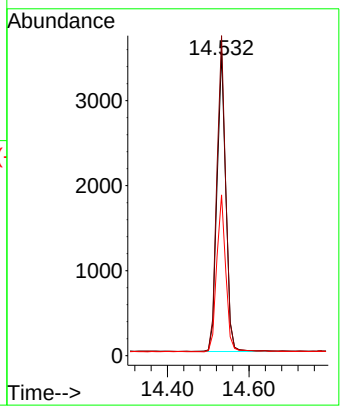


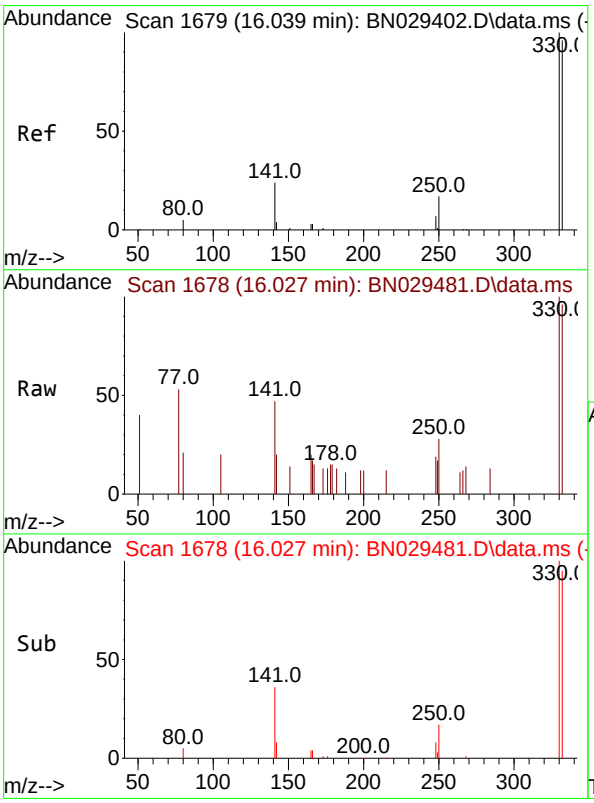
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:164 Resp: 5264

Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.6	123.8
160	53.0	41.5	62.3

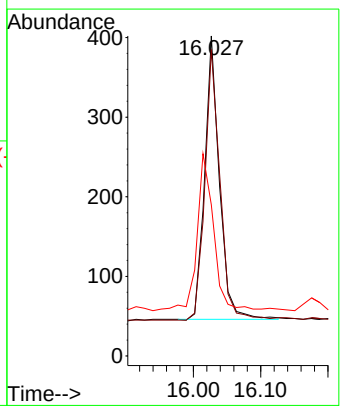


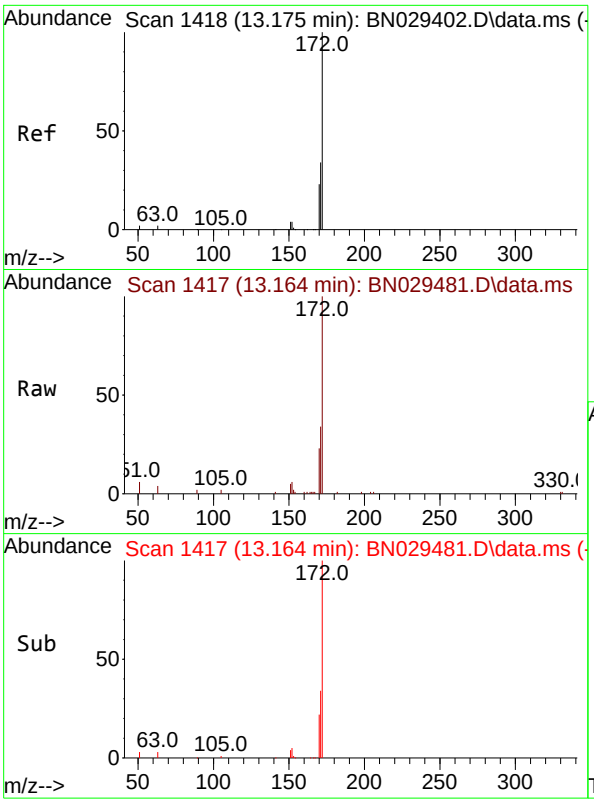


#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 16.027 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:330 Resp: 543

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.0	114.0
141	58.2	43.4	65.2



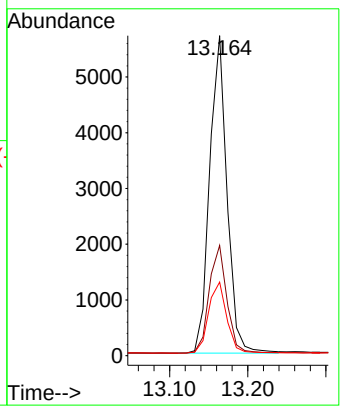


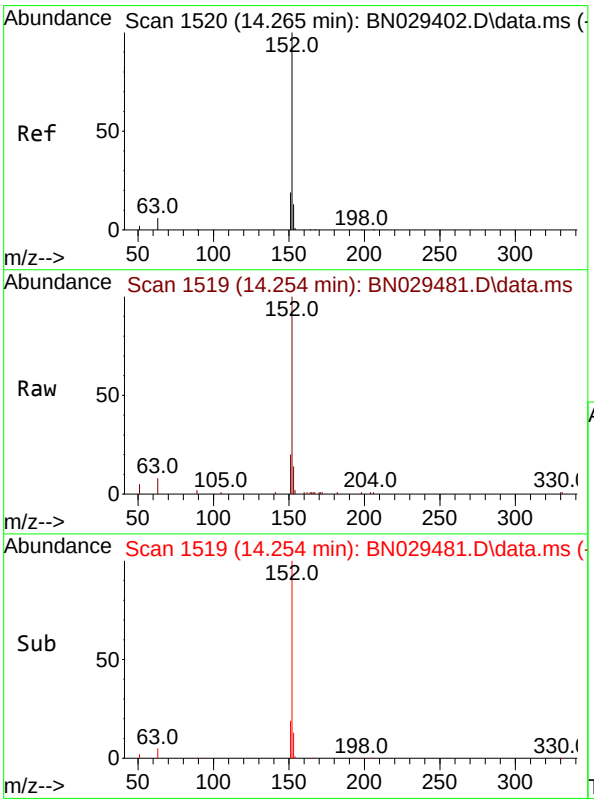
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.164 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:172 Resp: 8821

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.0	42.0
170	23.0	18.7	28.1

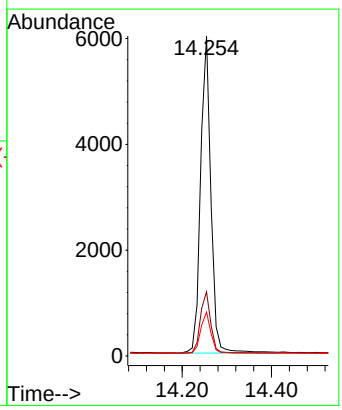


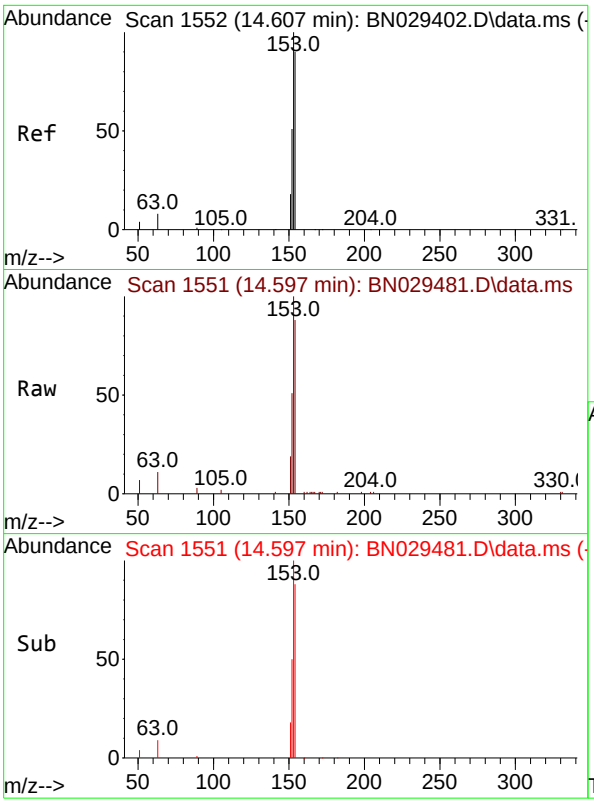


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.254 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:152 Resp: 9622

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	13.1	10.5	15.7



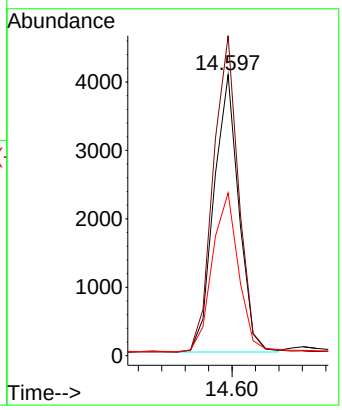


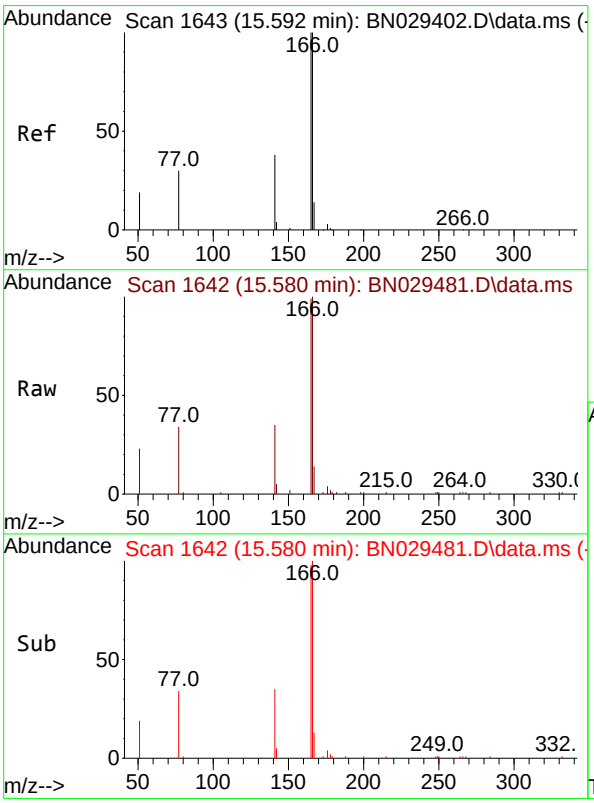
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.597 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:154 Resp: 5972

Ion	Ratio	Lower	Upper
154	100		
153	116.1	93.6	140.4
152	61.2	48.6	73.0

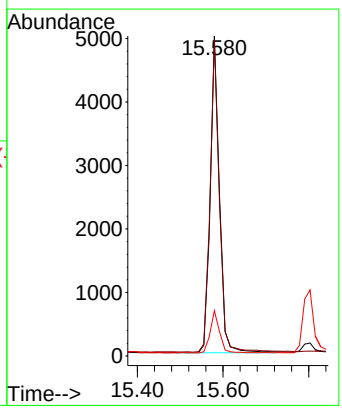


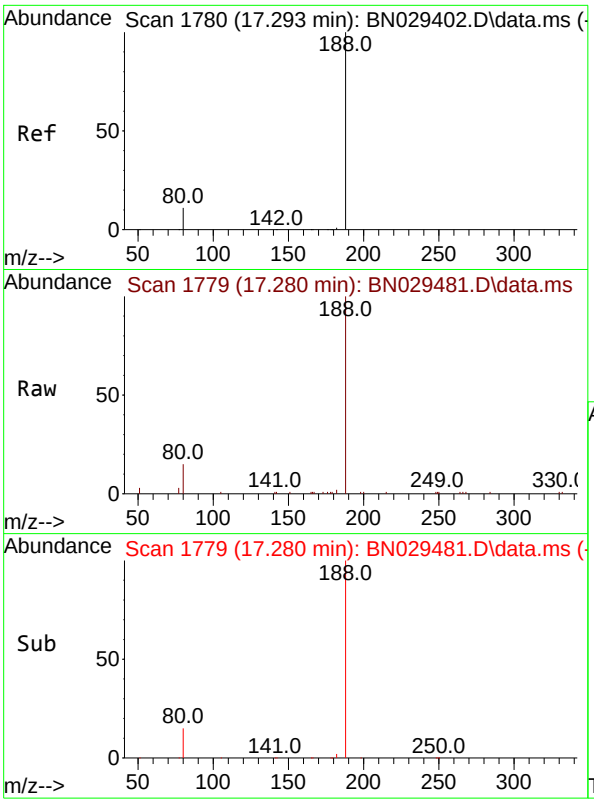


#18
Fluorene
Concen: 0.352 ng
RT: 15.580 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:166 Resp: 7413

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.9	119.9
167	13.3	11.3	16.9



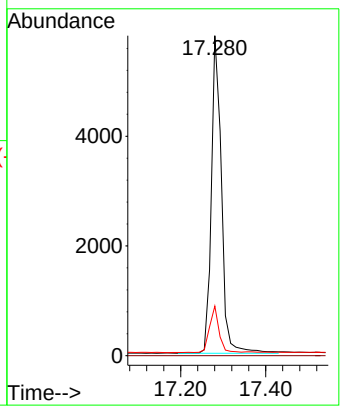


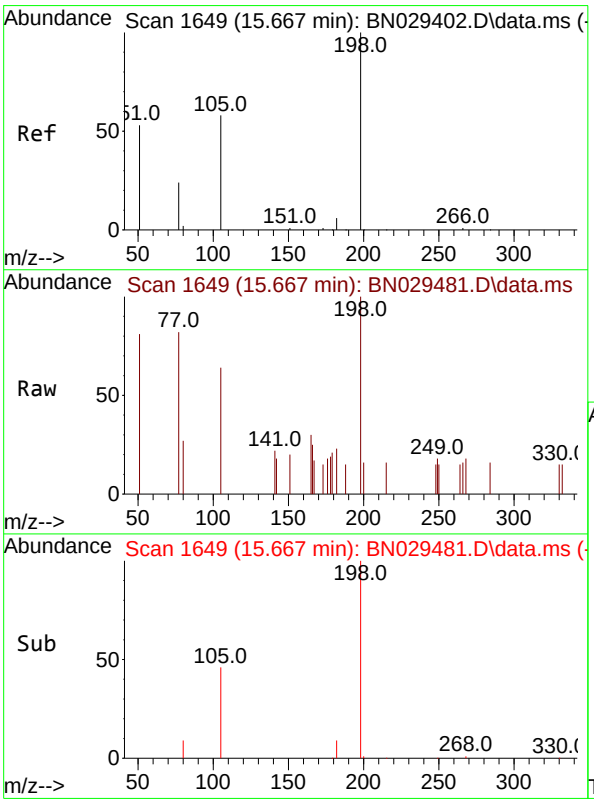
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:188 Resp: 9515

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.5	10.0	15.0#

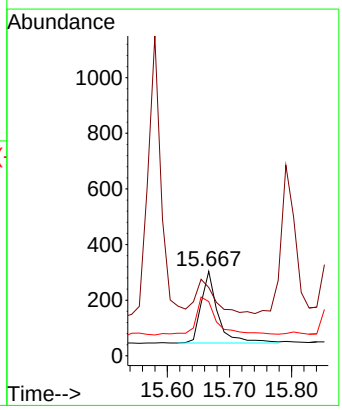


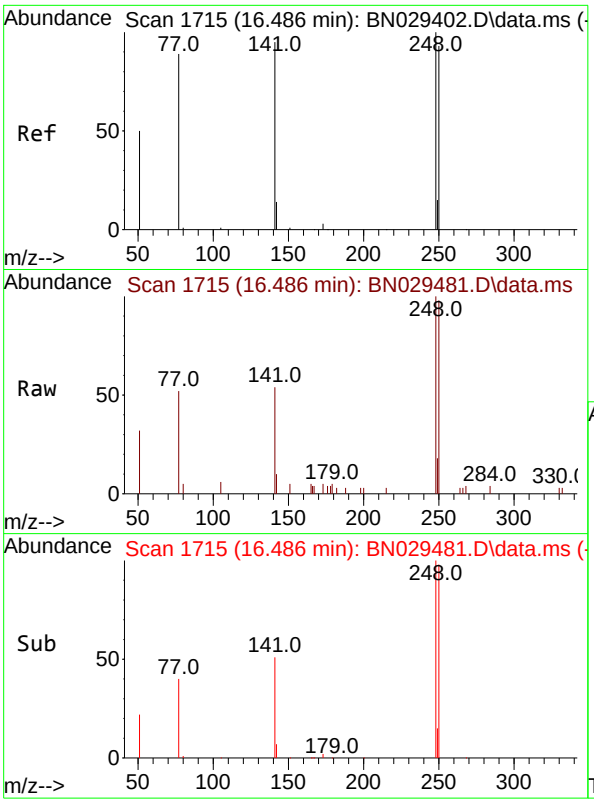


#20
4,6-Dinitro-2-methylphenol
Concen: 0.348 ng
RT: 15.667 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:198 Resp: 486

Ion	Ratio	Lower	Upper
198	100		
51	80.9	111.0	166.6#
105	64.1	67.0	100.6#



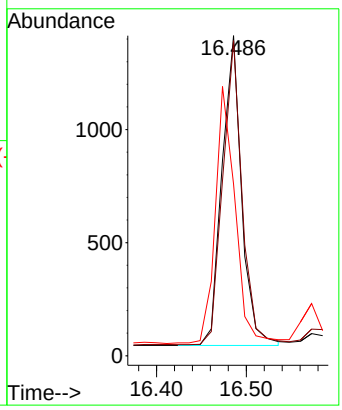


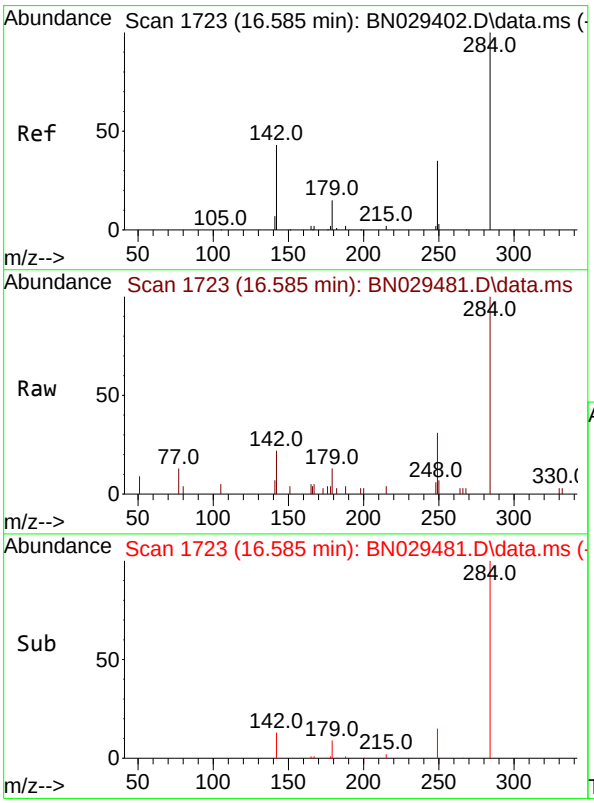
#21
4-Bromophenyl-phenylether
Concen: 0.366 ng
RT: 16.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:248 Resp: 2070

Ion	Ratio	Lower	Upper
248	100		
250	98.4	75.0	112.4
141	53.6	77.0	115.6#

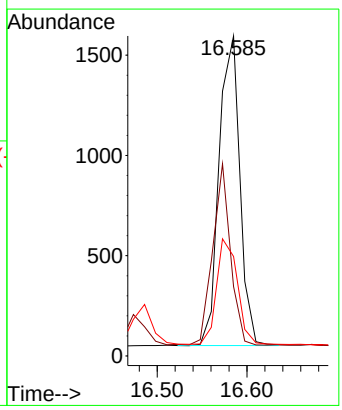


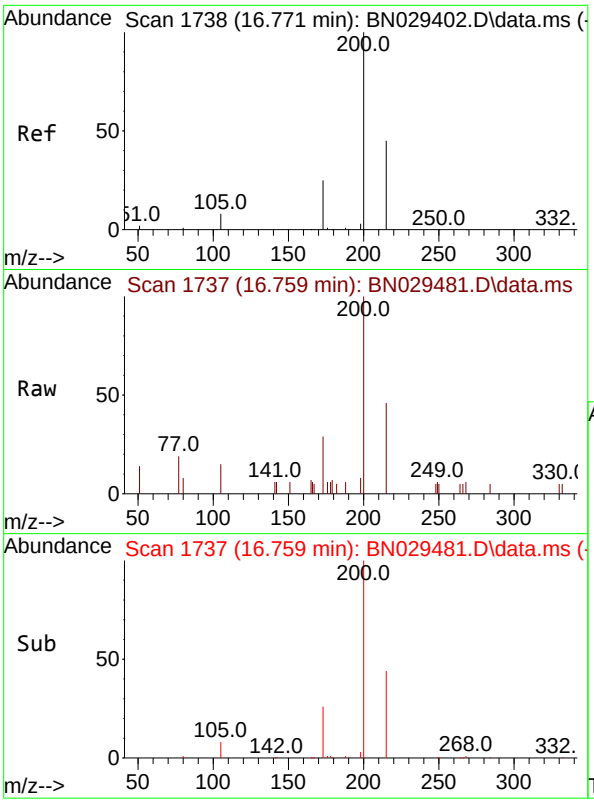


#22
Hexachlorobenzene
Concen: 0.358 ng
RT: 16.585 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:284 Resp: 2487

Ion	Ratio	Lower	Upper
284	100		
142	49.8	39.4	59.2
249	34.0	26.9	40.3



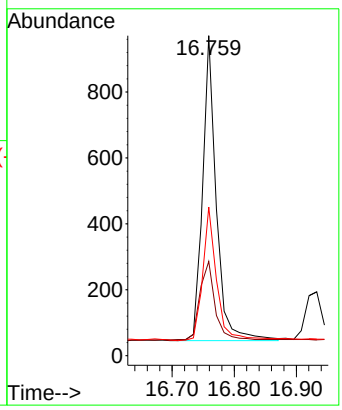


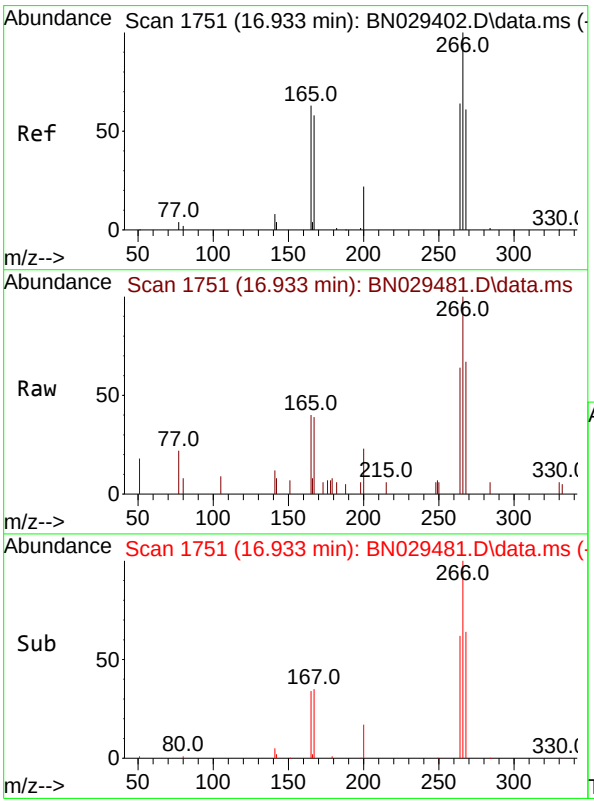
#23
Atrazine
Concen: 0.352 ng
RT: 16.759 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:200 Resp: 1416

Ion	Ratio	Lower	Upper
200	100		
173	29.5	23.4	35.0
215	46.4	38.4	57.6

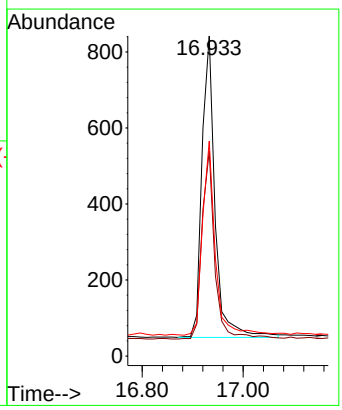


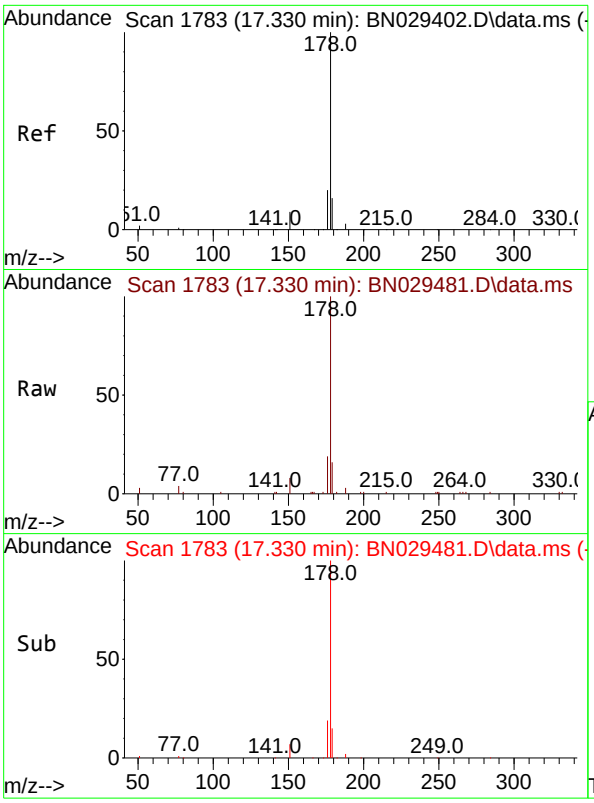


#24
Pentachlorophenol
Concen: 0.649 ng
RT: 16.933 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:266 Resp: 1430

Ion	Ratio	Lower	Upper
266	100		
264	61.0	50.8	76.2
268	62.2	51.5	77.3



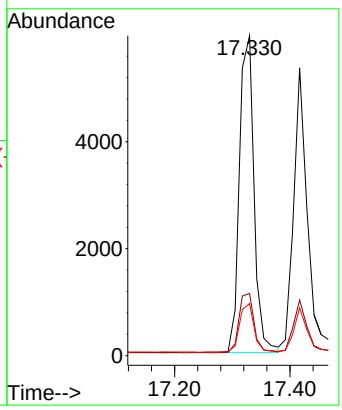


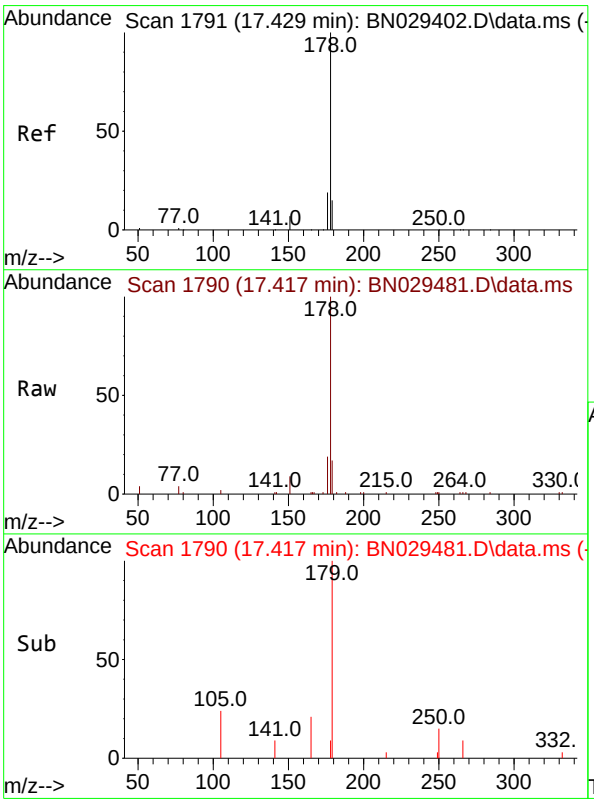
#25
Phenanthrene
Concen: 0.369 ng
RT: 17.330 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:178 Resp: 10393

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.6	12.6	19.0

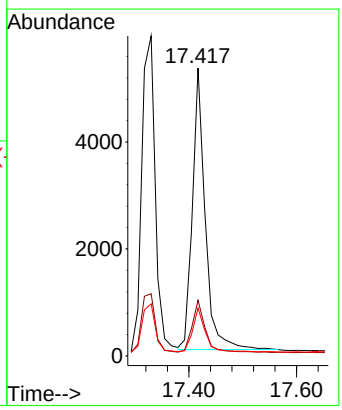


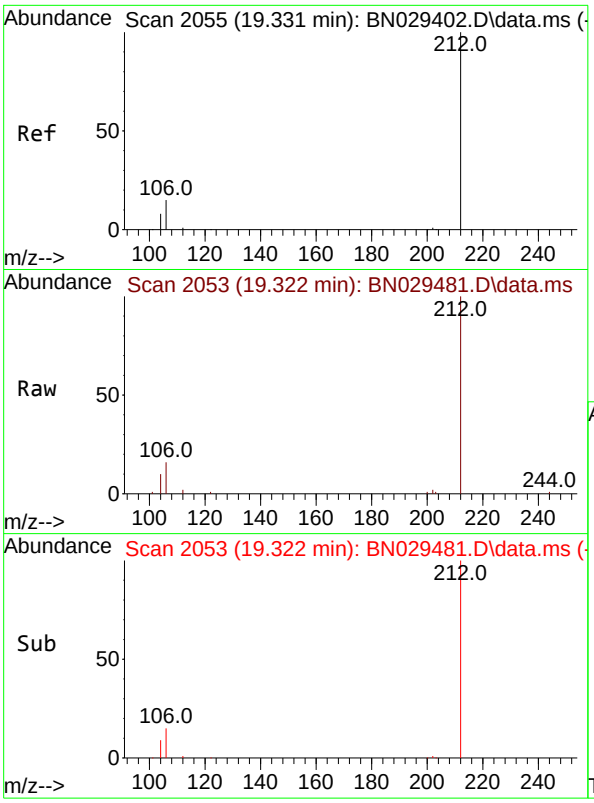


#26
Anthracene
Concen: 0.364 ng
RT: 17.417 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:178 Resp: 8726

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.3	18.5



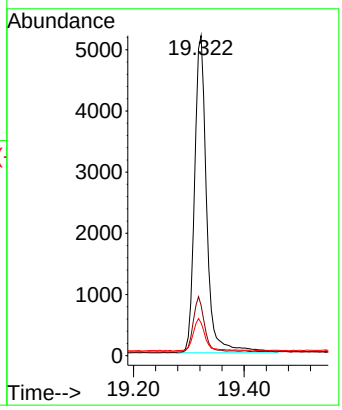


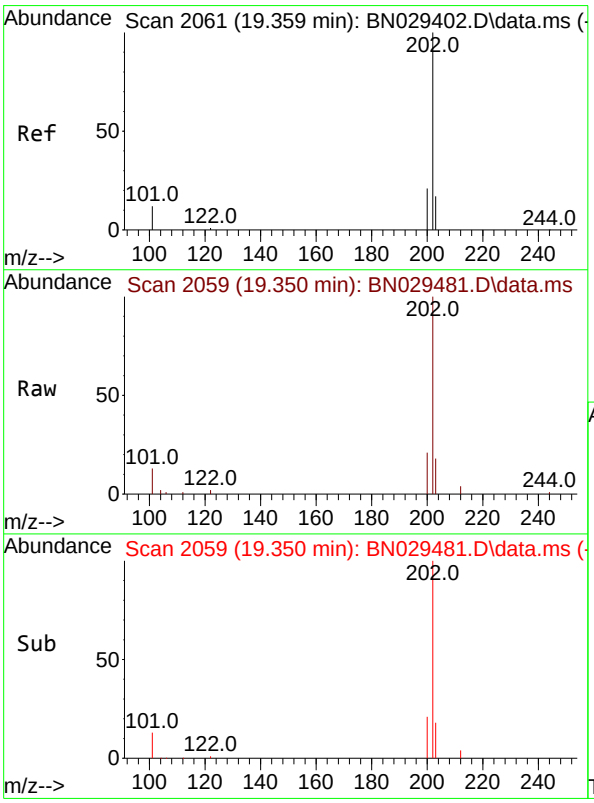
#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:212 Resp: 7911

Ion	Ratio	Lower	Upper
212	100		
106	16.1	13.2	19.8
104	10.3	7.7	11.5

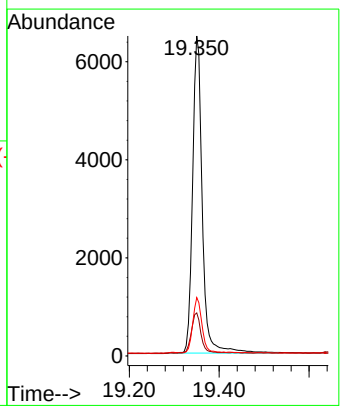


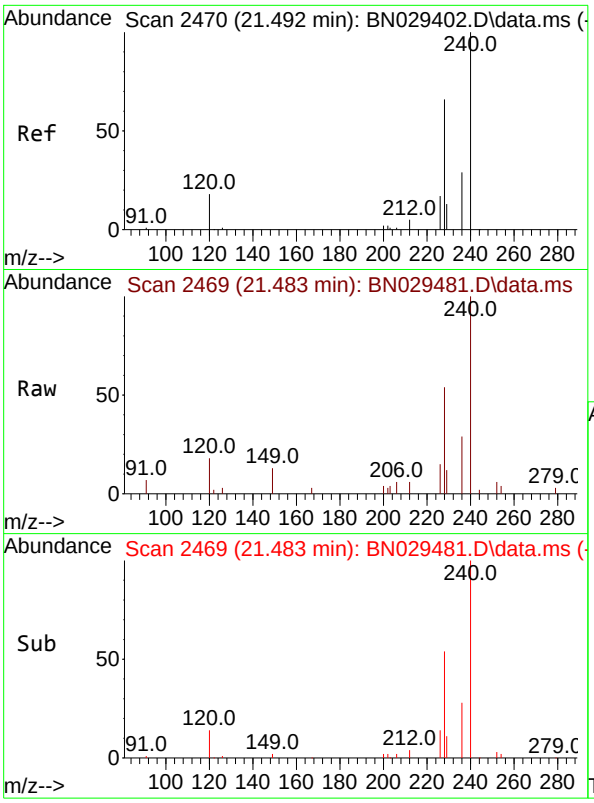


#28
Fluoranthene
Concen: 0.307 ng
RT: 19.350 min Scan# 2059
Delta R.T. -0.005 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:202 Resp: 9711

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.5	15.7
203	16.5	13.5	20.3



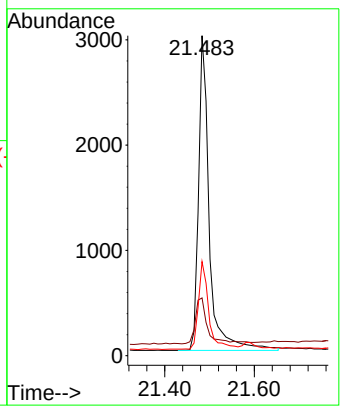


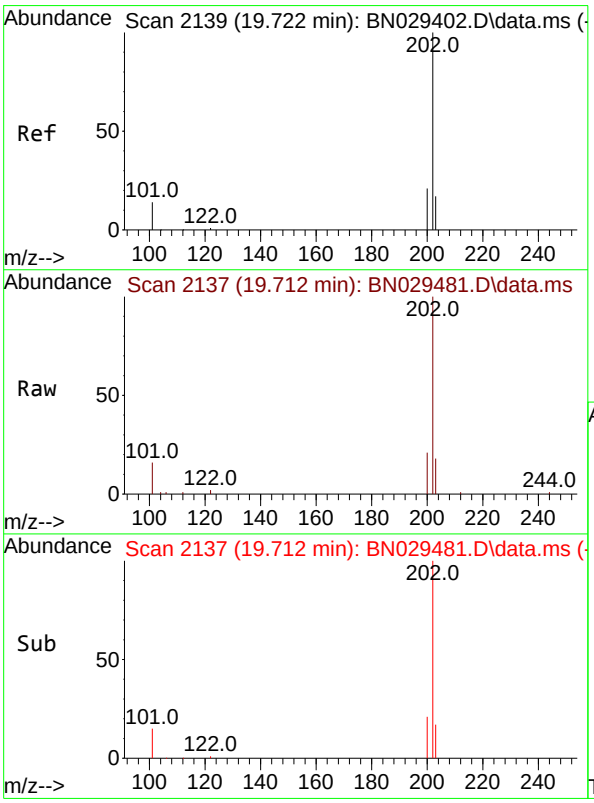
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.483 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:240 Resp: 4978

Ion	Ratio	Lower	Upper
240	100		
120	18.1	16.7	25.1
236	29.4	23.9	35.9

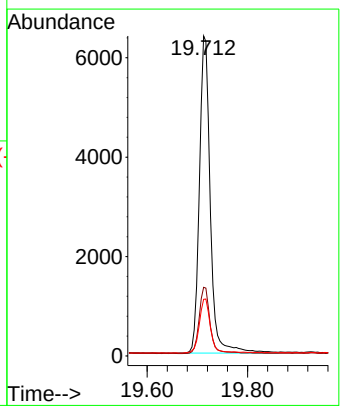


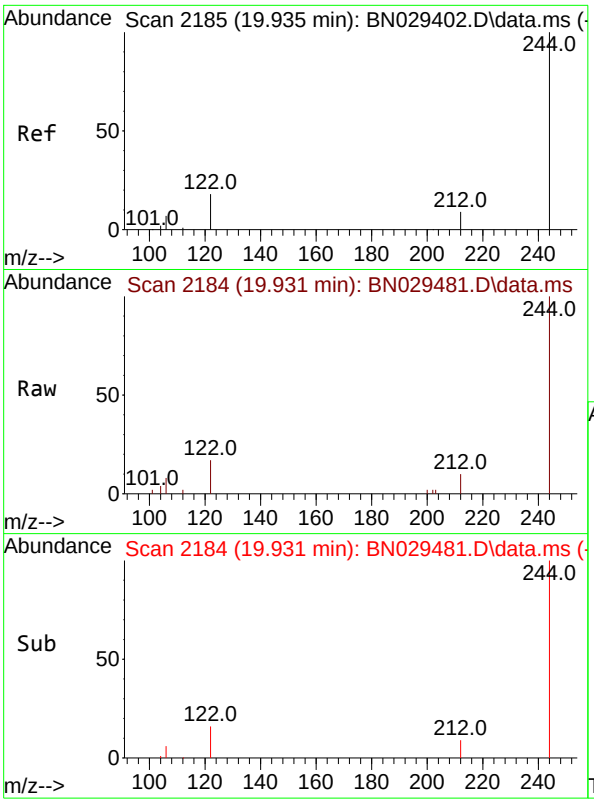


#30
Pyrene
Concen: 0.419 ng
RT: 19.712 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:202 Resp: 9596

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.4	14.2	21.4



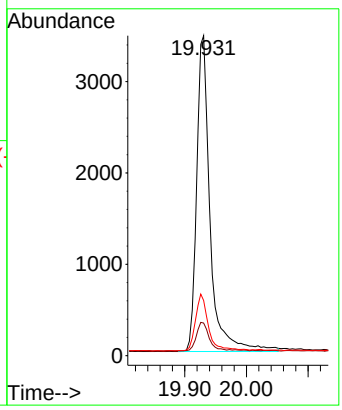


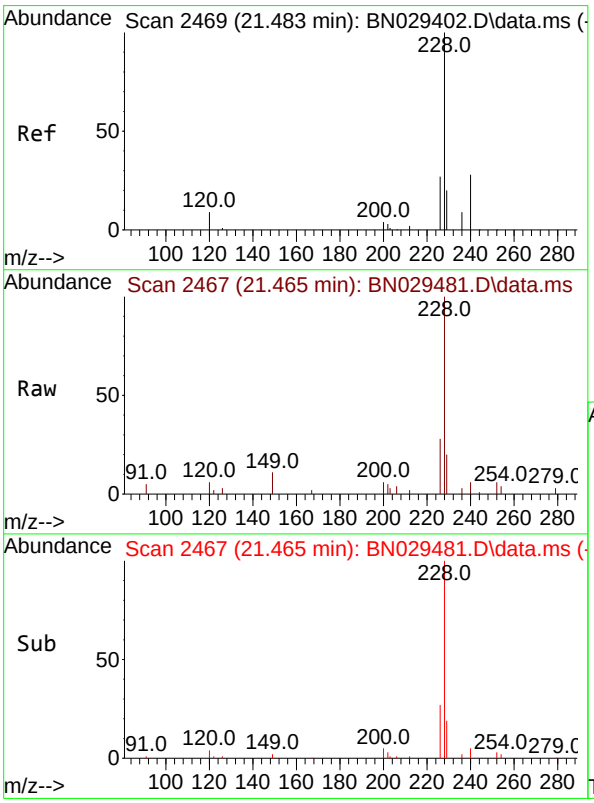
#31
Terphenyl-d14
Concen: 0.424 ng
RT: 19.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:244 Resp: 5243

Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.2	12.4
122	17.3	15.6	23.4

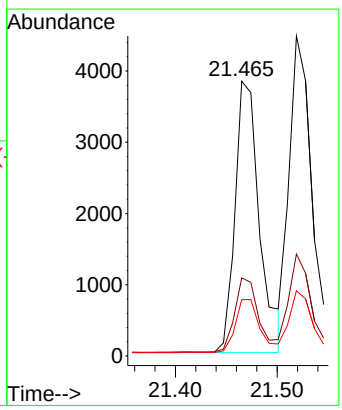


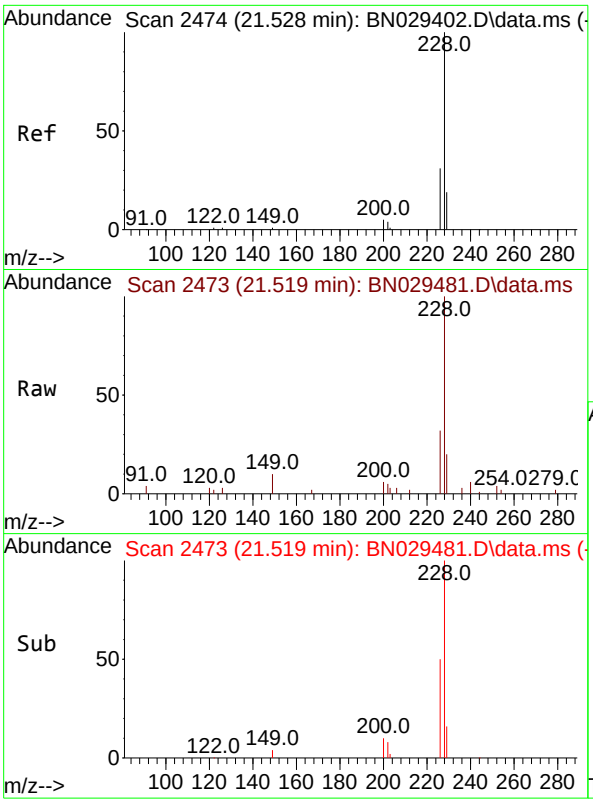


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.465 min Scan# 2467
Delta R.T. -0.009 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:228 Resp: 6354

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	20.5	16.5	24.7



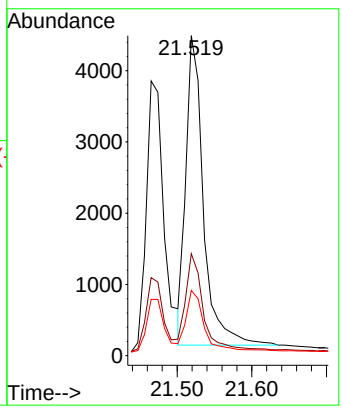


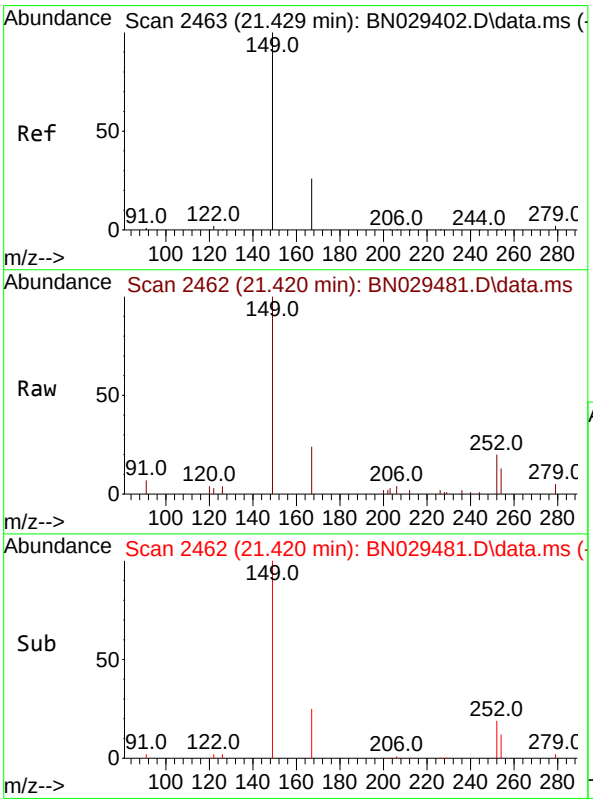
#33
Chrysene
Concen: 0.367 ng
RT: 21.519 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:228 Resp: 7102

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	20.4	15.9	23.9

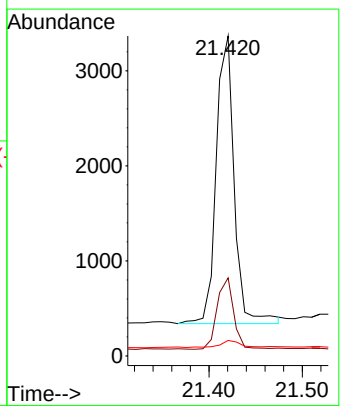


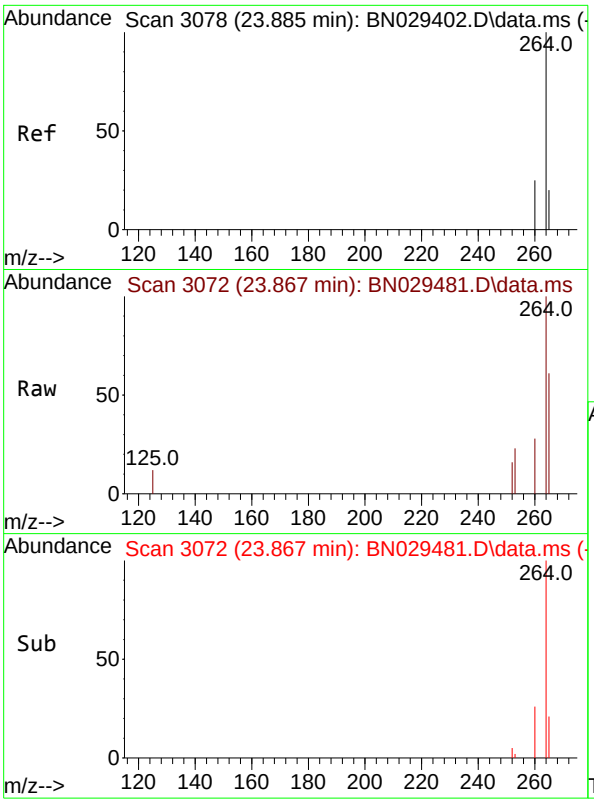


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.350 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.000 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:149 Resp: 4051

Ion	Ratio	Lower	Upper
149	100		
167	22.8	20.1	30.1
279	2.6	2.5	3.7



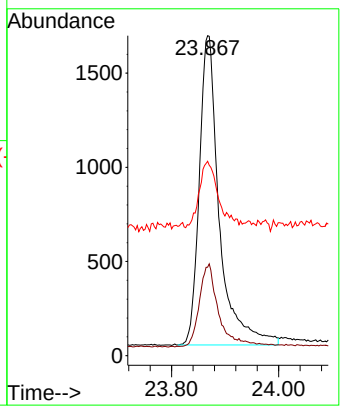


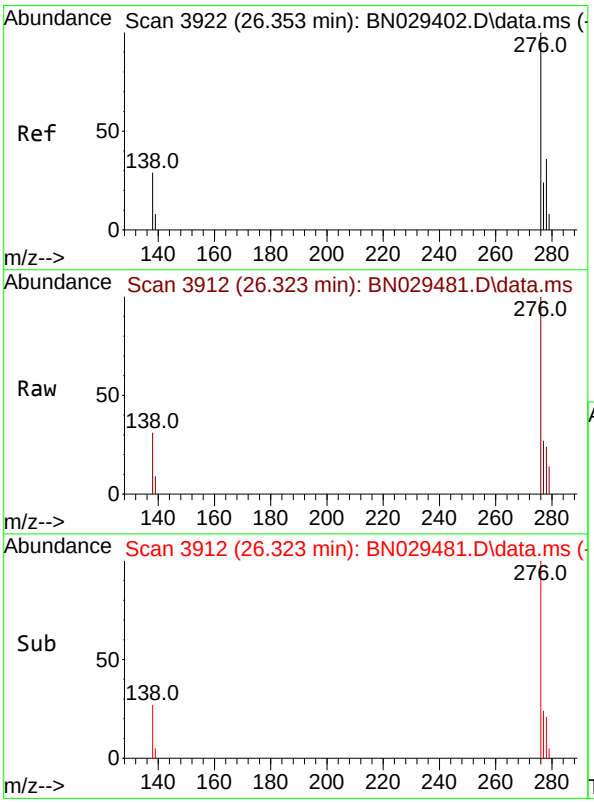
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.867 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:264 Resp: 4259

Ion	Ratio	Lower	Upper
264	100		
260	27.7	21.2	31.8
265	60.7	41.5	62.3

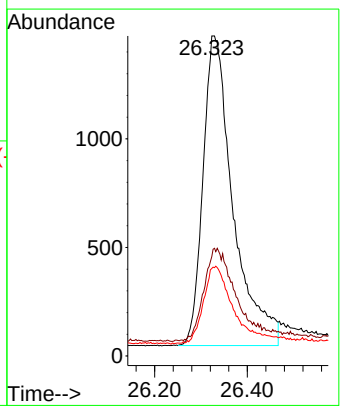


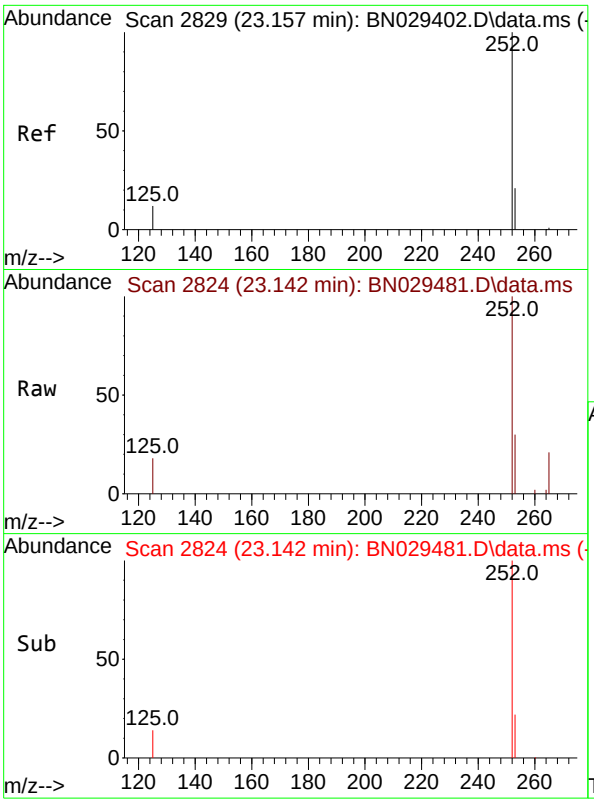


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 26.323 min Scan# 3912
Delta R.T. -0.012 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:276 Resp: 6438

Ion	Ratio	Lower	Upper
276	100		
138	30.1	20.5	30.7
277	24.6	17.0	25.4



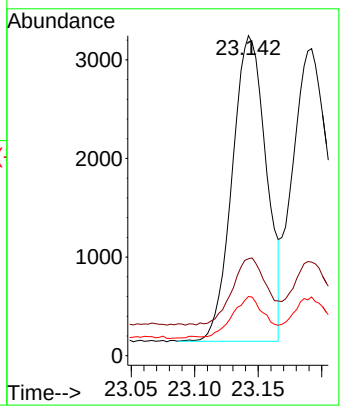


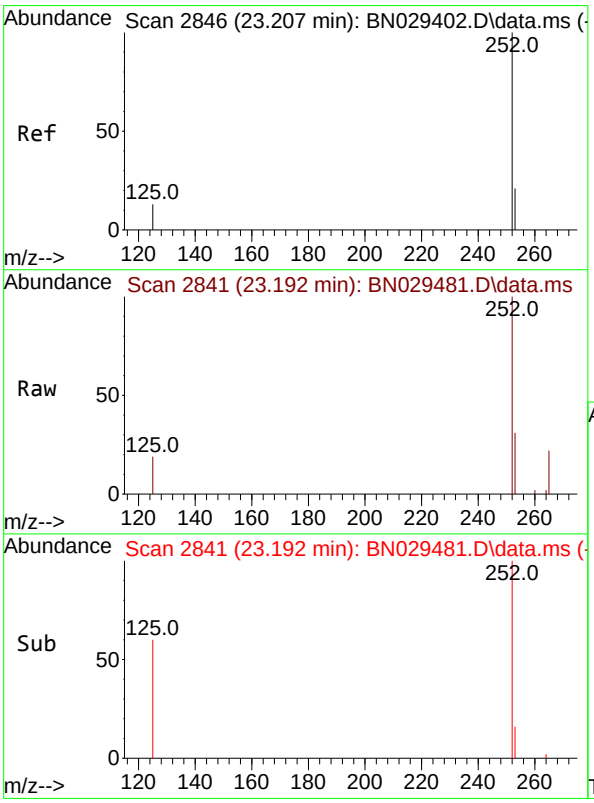
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.142 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:252 Resp: 5780

Ion	Ratio	Lower	Upper
252	100		
253	30.3	21.7	32.5
125	18.5	13.3	19.9

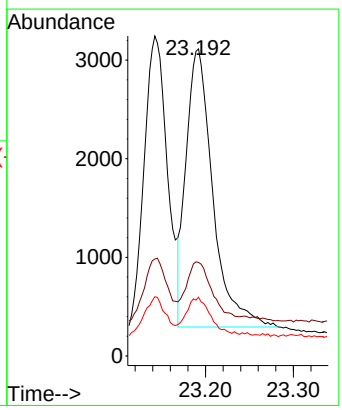


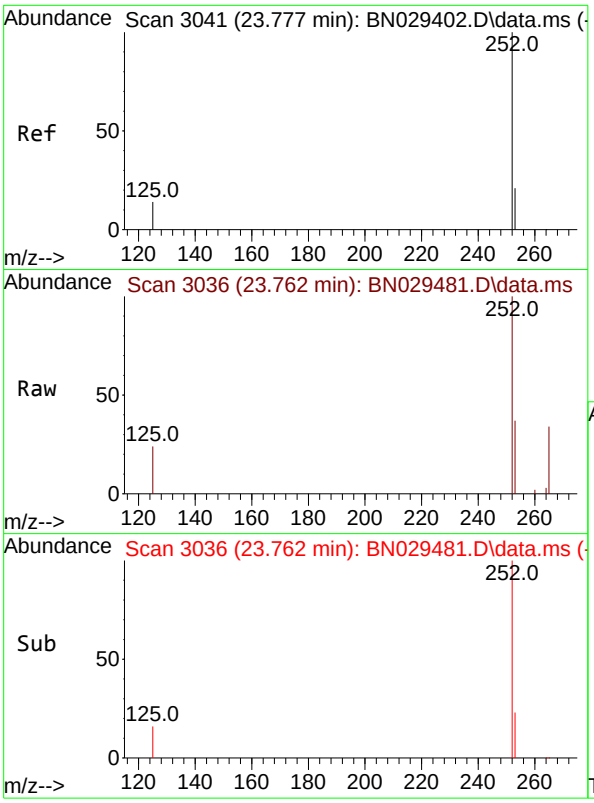


#38
Benzo(k)fluoranthene
Concen: 0.375 ng
RT: 23.192 min Scan# 2841
Delta R.T. -0.006 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:252 Resp: 5981

Ion	Ratio	Lower	Upper
252	100		
253	30.5	21.8	32.8
125	19.1	13.9	20.9



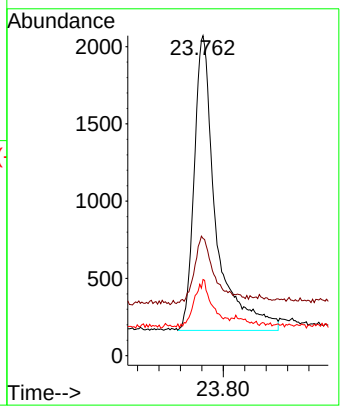


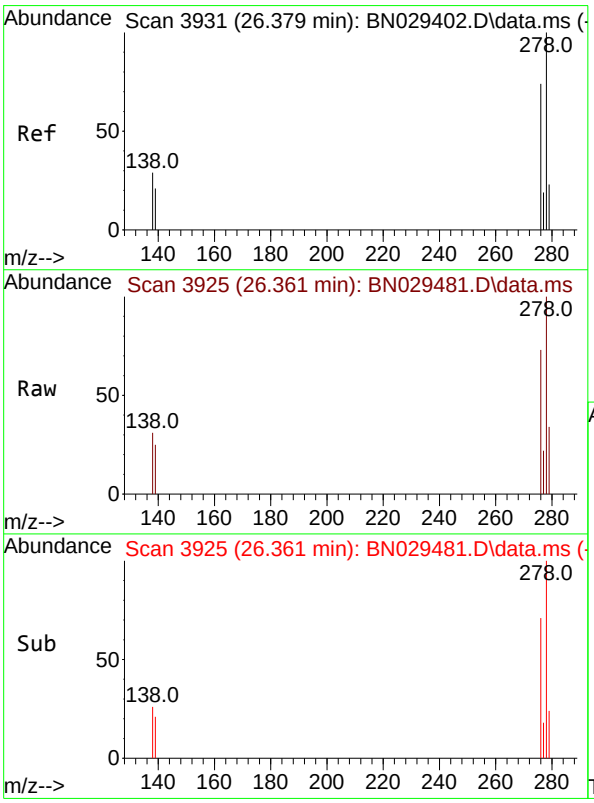
#39
Benzo(a)pyrene
Concen: 0.403 ng
RT: 23.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:252 Resp: 5345

Ion	Ratio	Lower	Upper
252	100		
253	36.6	24.9	37.3
125	23.8	16.6	25.0

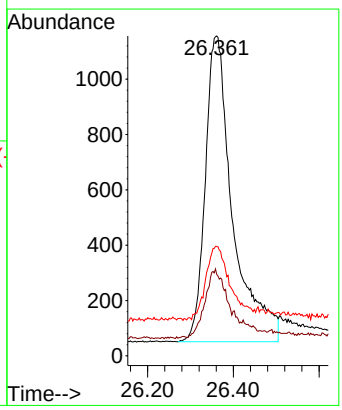


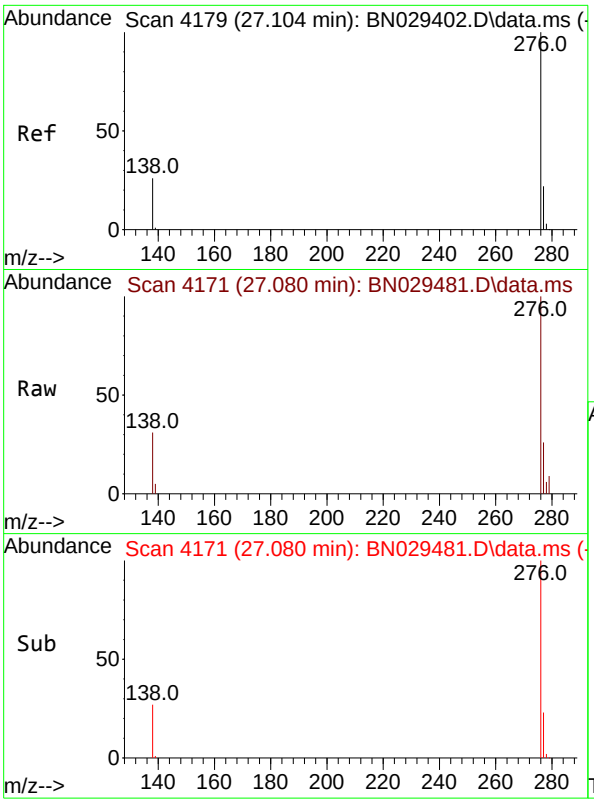


#40
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.361 min Scan# 3925
Delta R.T. -0.003 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Tgt Ion:278 Resp: 4922

Ion	Ratio	Lower	Upper
278	100		
139	25.4	20.4	30.6
279	34.3	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 27.080 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN029481.D
Acq: 01 Feb 2024 11:39

Instrument :
BNA_N
ClientSampleId :
PB158718BSD

Tgt Ion:276 Resp: 5880

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.2
138	31.1	23.5	35.3