Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012524\
Data File : BN029387.D
Acq On : 25 Jan 2024 15:07
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jan 26 01:40:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 26 01:37:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.912	152	3349	0.400	ng		0.00
7) Naphthalene-d8	10.712	136	9850	0.400	ng		0.00
13) Acenaphthene-d10	14.554	164	5492	0.400	ng		0.00
19) Phenanthrene-d10	17.305	188	11919	0.400	ng		0.00
29) Chrysene-d12	21.514	240	11967	0.400	ng		0.00
35) Perylene-d12	23.907	264	11759	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.478	112	42342	4.625	ng		0.00
5) Phenol-d6	7.075	99	58881	4.791	ng		0.00
8) Nitrobenzene-d5	9.068	82	49071	4.731	ng		-0.01
11) 2-Methylnaphthalene-d10	12.303	152	78913	5.023	ng		0.00
14) 2,4,6-Tribromophenol	16.052	330	12089	4.998	ng		0.00
15) 2-Fluorobiphenyl	13.175	172	118173	4.656	ng		0.00
27) Fluoranthene-d10	19.341	212	180586	5.258	ng		0.00
31) Terphenyl-d14	19.949	244	136574	4.582	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.377	88	20636	4.572	ng		98
3) n-Nitrosodimethylamine	3.702	42	22372	5.094	ng	#	95
6) bis(2-Chloroethyl)ether	7.349	93	54355	4.749	ng		99
9) Naphthalene	10.765	128	149509	4.772	ng		99
10) Hexachlorobutadiene	11.043	225	26224	4.572	ng	#	99
12) 2-Methylnaphthalene	12.374	142	98732	4.895	ng		98
16) Acenaphthylene	14.276	152	151961	5.231	ng		100
17) Acenaphthene	14.618	154	95539	4.924	ng		97
18) Fluorene	15.605	166	126429	4.902	ng		100
20) 4,6-Dinitro-2-methylph...	15.679	198	12148	4.937	ng	#	69
21) 4-Bromophenyl-phenylether	16.498	248	39690	4.904	ng		99
22) Hexachlorobenzene	16.598	284	44689	4.812	ng		99
23) Atrazine	16.771	200	32071	5.282	ng		97
24) Pentachlorophenol	16.945	266	20128	4.949	ng		99
25) Phenanthrene	17.342	178	199615	4.919	ng		100
26) Anthracene	17.442	178	185549	5.179	ng		100
28) Fluoranthene	19.373	202	246437	5.169	ng		100
30) Pyrene	19.736	202	253183	4.659	ng		100
32) Benzo(a)anthracene	21.496	228	245962	5.049	ng		99
33) Chrysene	21.550	228	240394	4.747	ng		99
34) Bis(2-ethylhexyl)phtha...	21.443	149	141324	4.728	ng		99
36) Indeno(1,2,3-cd)pyrene	26.389	276	282053	5.542	ng		99
37) Benzo(b)fluoranthene	23.179	252	251859	5.066	ng		97
38) Benzo(k)fluoranthene	23.229	252	246015	5.083	ng		94
39) Benzo(a)pyrene	23.802	252	216027	5.386	ng		93
40) Dibenzo(a,h)anthracene	26.415	278	227610	5.561	ng		95
41) Benzo(g,h,i)perylene	27.143	276	239206	5.375	ng		98

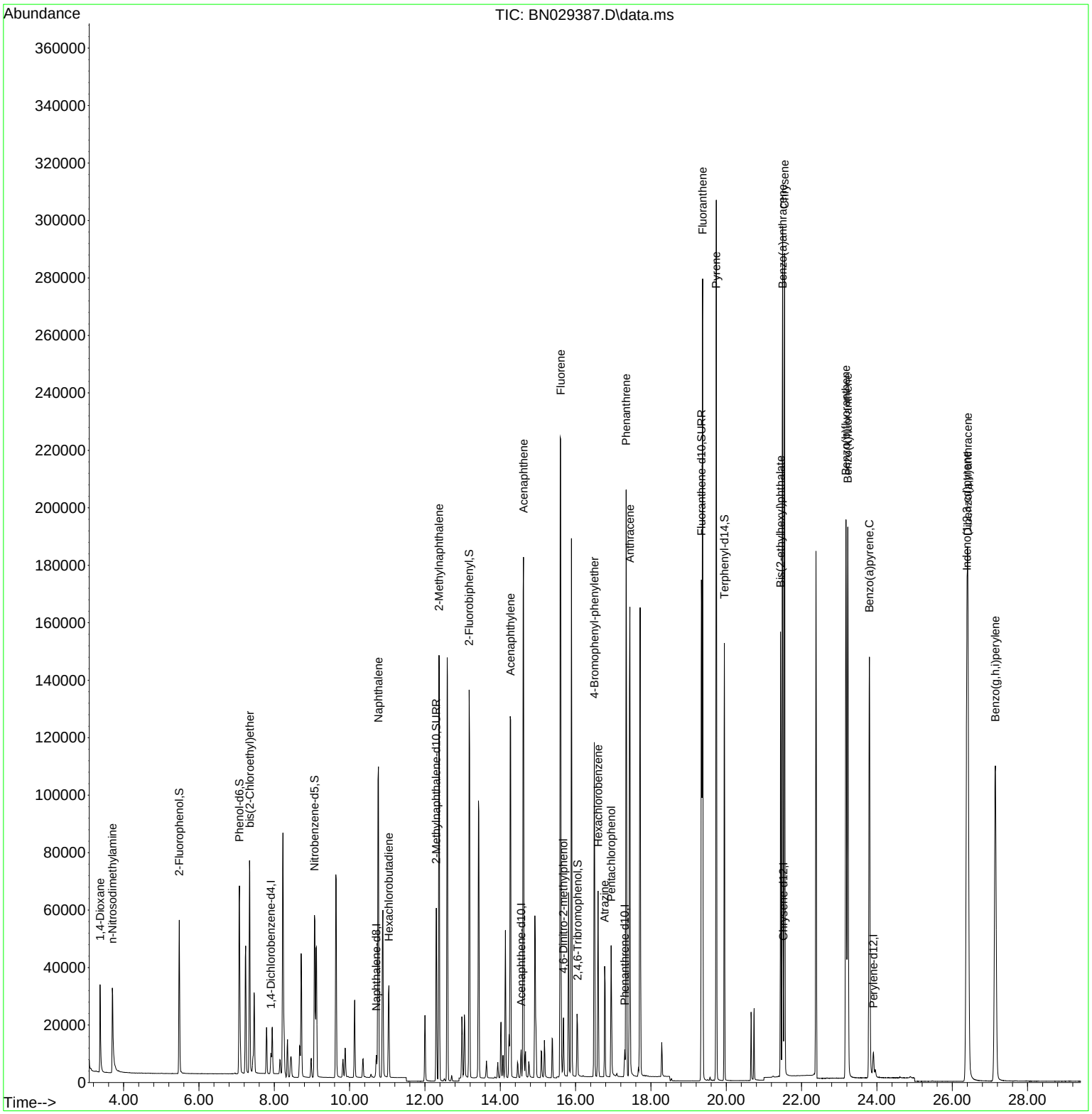
(#) = qualifier out of range (m) = manual integration (+) = signals summed

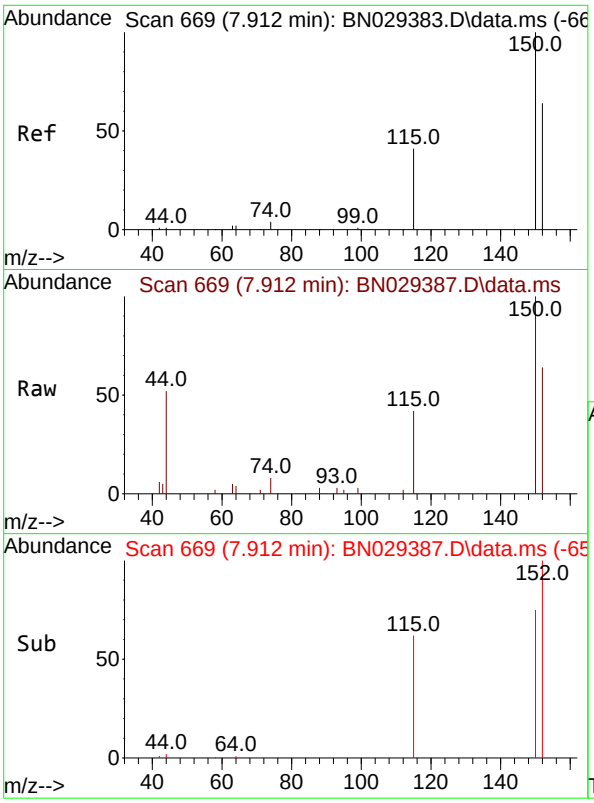
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012524\
Data File : BN029387.D
Acq On : 25 Jan 2024 15:07
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jan 26 01:40:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 26 01:37:29 2024
Response via : Initial Calibration



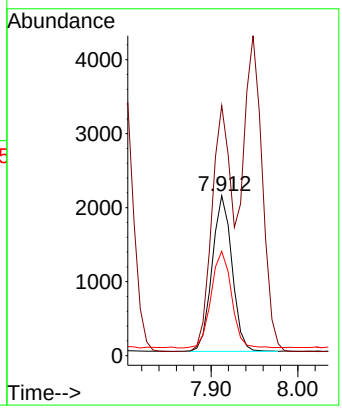


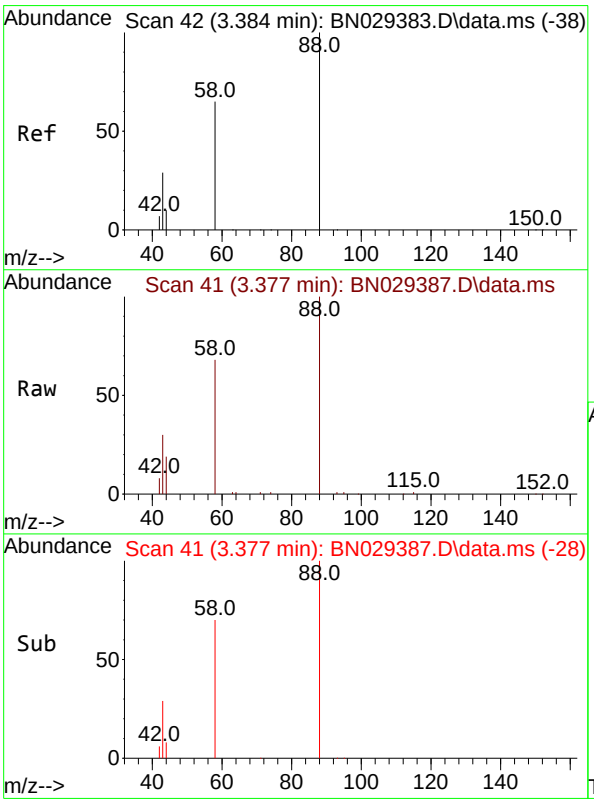
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.912 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 3349

Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.6	185.4
115	65.2	53.2	79.8

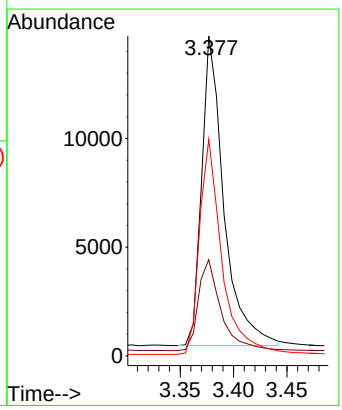


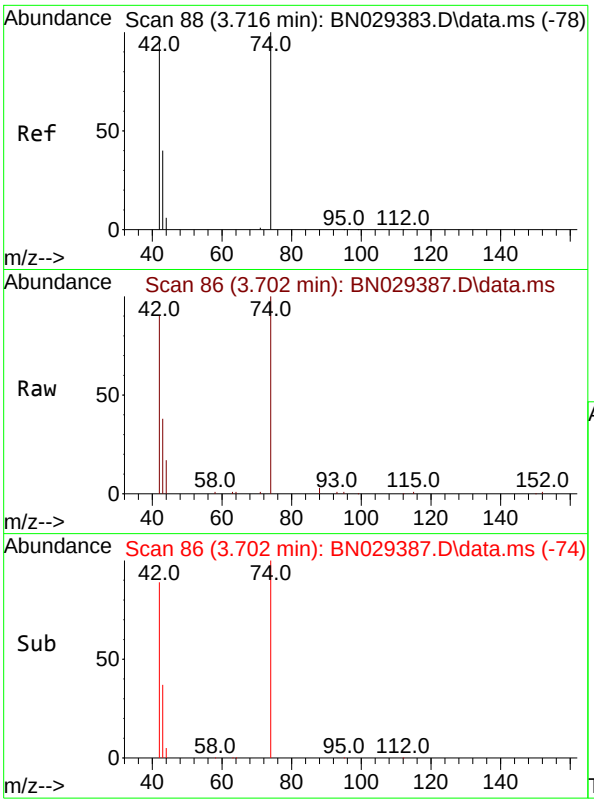


#2
1,4-Dioxane
Concen: 4.572 ng
RT: 3.377 min Scan# 41
Delta R.T. -0.007 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion: 88 Resp: 20636

Ion	Ratio	Lower	Upper
88	100		
43	29.8	25.3	37.9
58	69.6	56.9	85.3



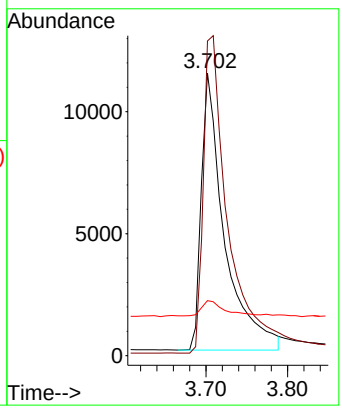


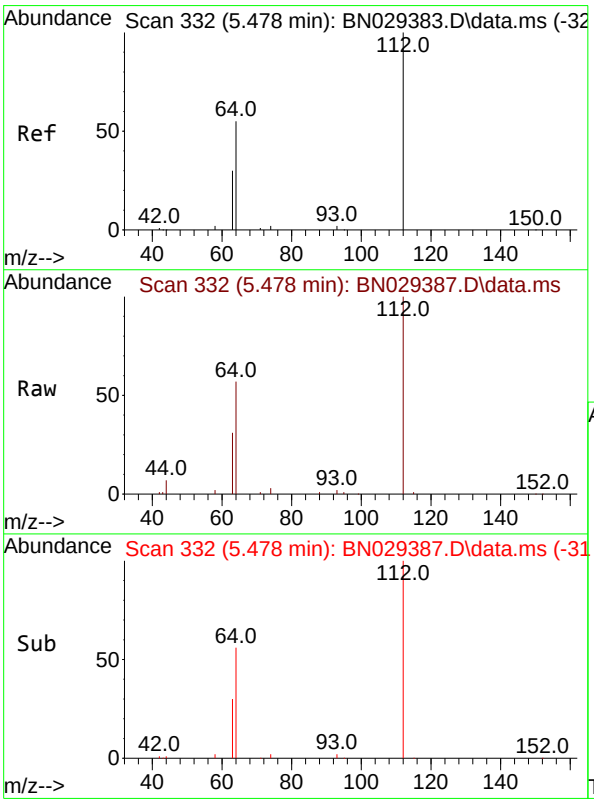
#3
n-Nitrosodimethylamine
Concen: 5.094 ng
RT: 3.702 min Scan# 8
Delta R.T. -0.014 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 22372

Ion	Ratio	Lower	Upper
42	100		
74	122.4	93.5	140.3
44	5.5	3.1	4.7#

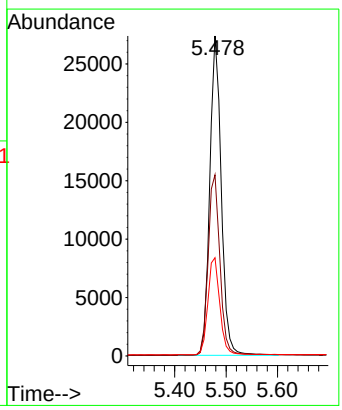


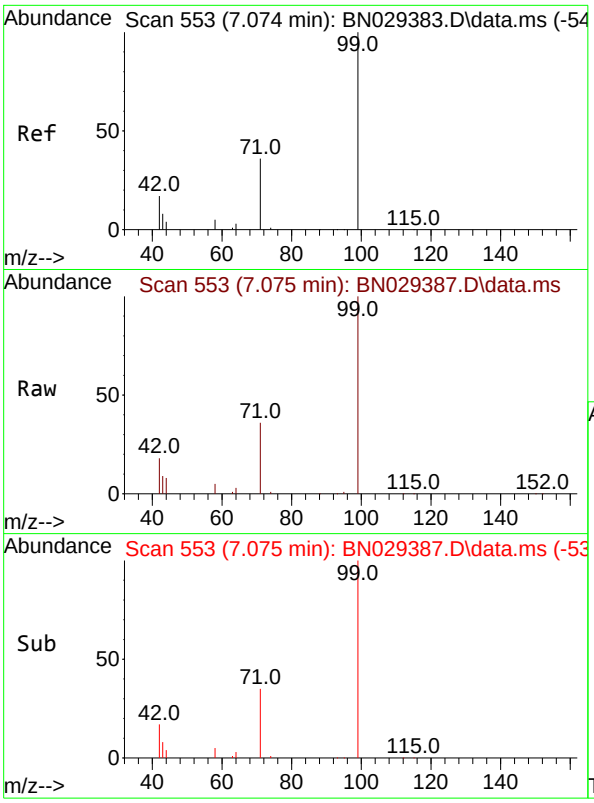


#4
2-Fluorophenol
Concen: 4.625 ng
RT: 5.478 min Scan# 332
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:112 Resp: 42342

Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.2	69.4
63	31.6	25.8	38.8



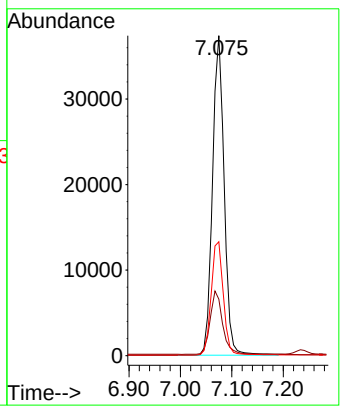


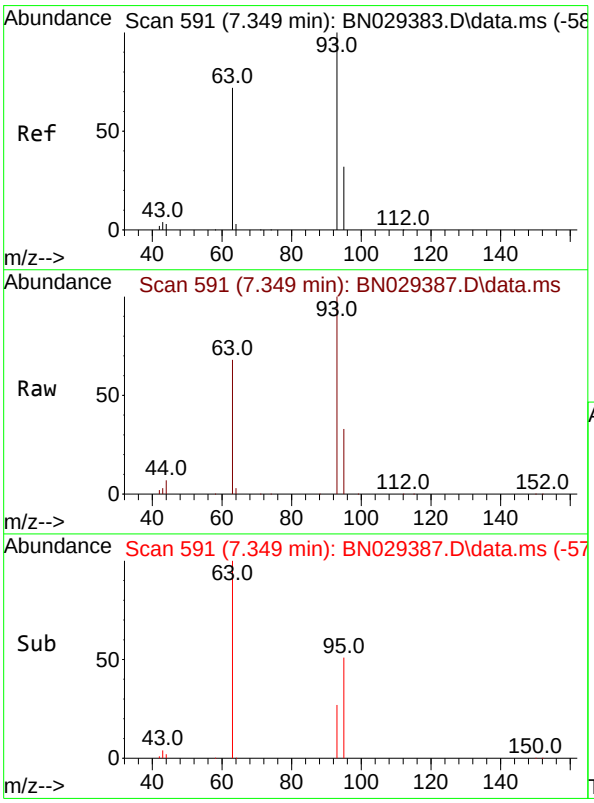
#5
Phenol-d6
Concen: 4.791 ng
RT: 7.075 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 58881

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.9	25.3
71	37.1	29.7	44.5

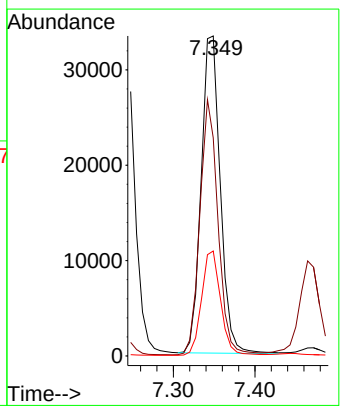


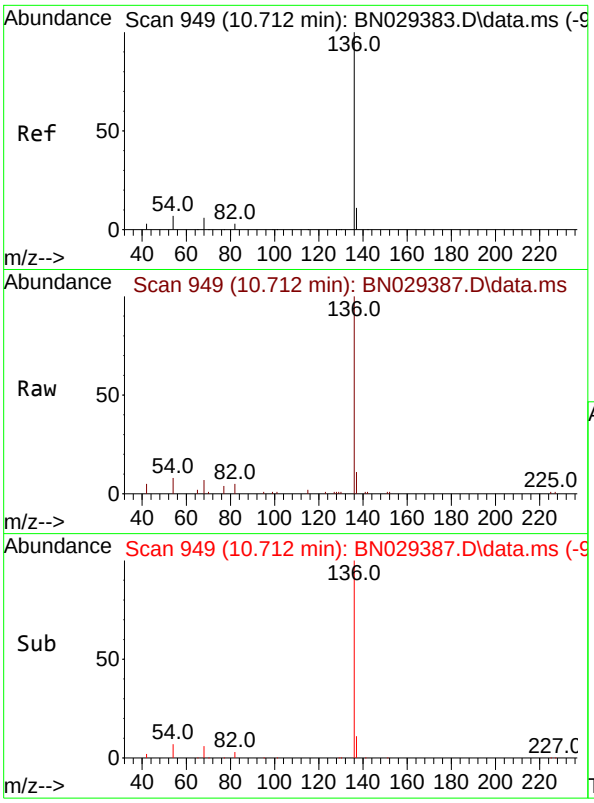


#6
bis(2-Chloroethyl)ether
Concen: 4.749 ng
RT: 7.349 min Scan# 591
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion: 93 Resp: 54355

Ion	Ratio	Lower	Upper
93	100		
63	76.2	62.2	93.2
95	32.6	26.3	39.5



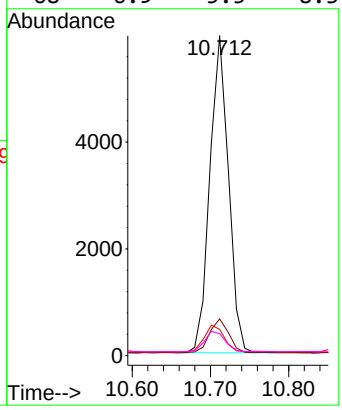


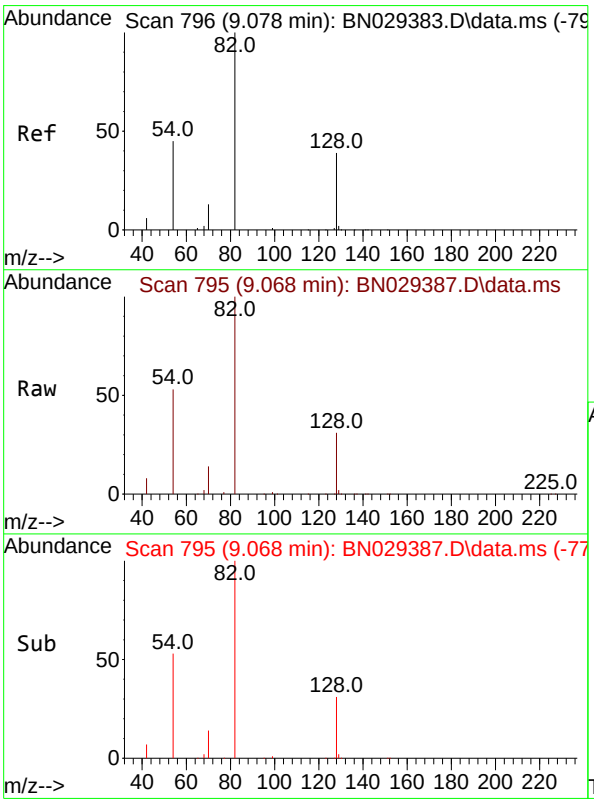
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.712 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 9850

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	8.2	6.4	9.6
68	6.9	5.5	8.3

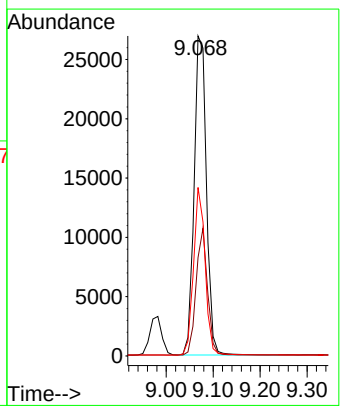


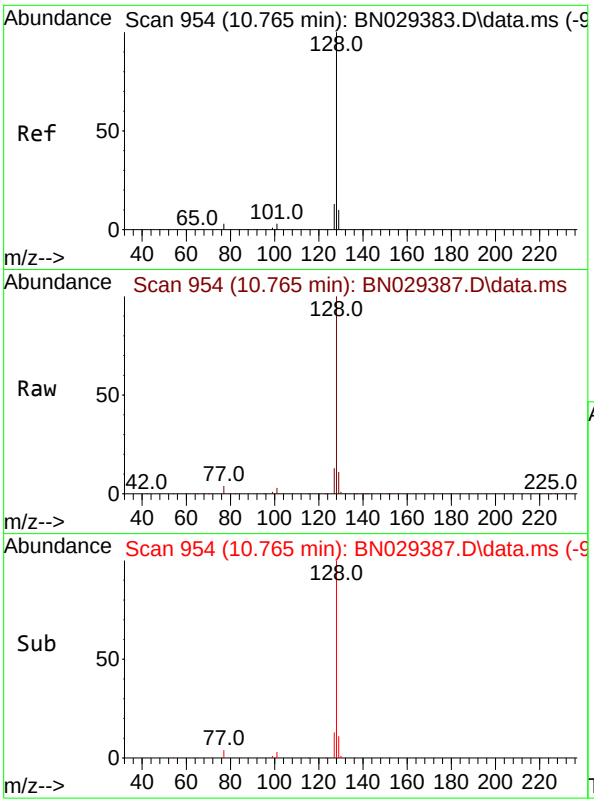


#8
Nitrobenzene-d5
Concen: 4.731 ng
RT: 9.068 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion: 82 Resp: 49071

Ion	Ratio	Lower	Upper
82	100		
128	30.8	33.0	49.6#
54	52.7	37.6	56.4



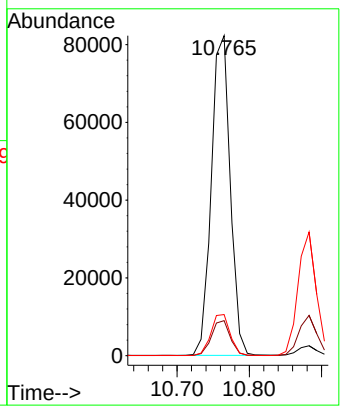


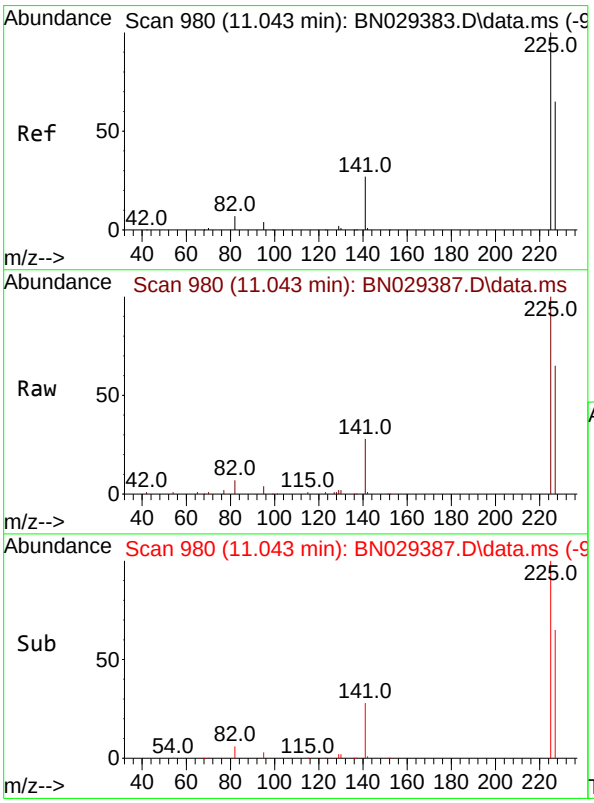
#9
Naphthalene
Concen: 4.772 ng
RT: 10.765 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 149509

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.8	10.6	15.8

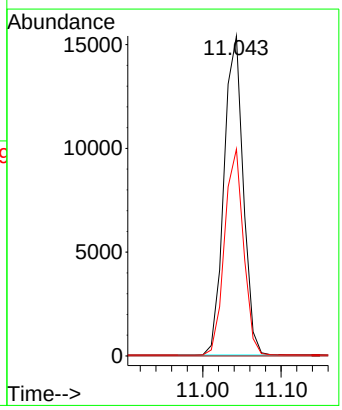


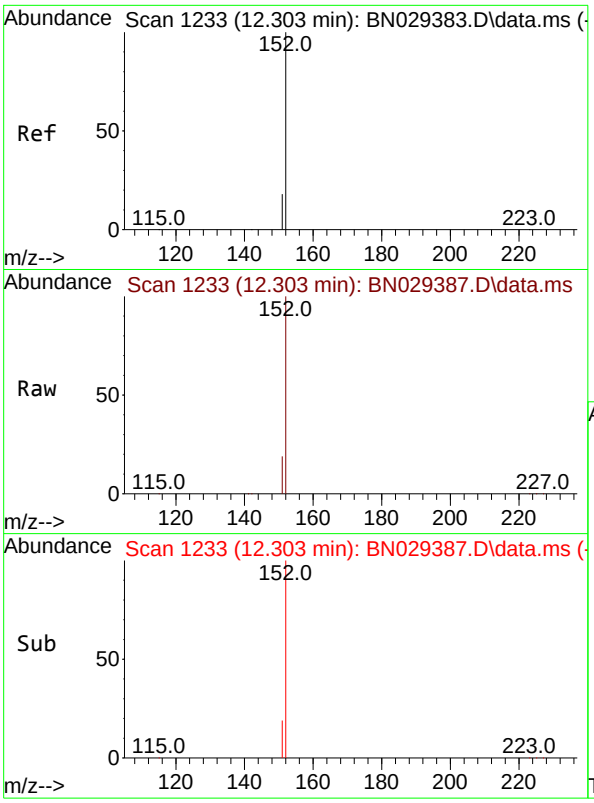


#10
Hexachlorobutadiene
Concen: 4.572 ng
RT: 11.043 min Scan# 980
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:225 Resp: 26224

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.8	77.6



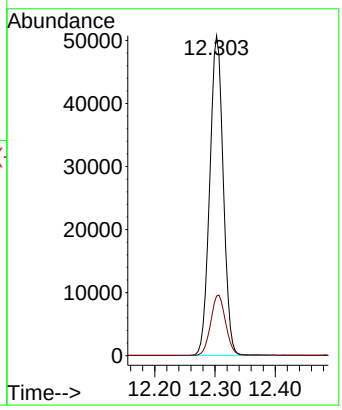


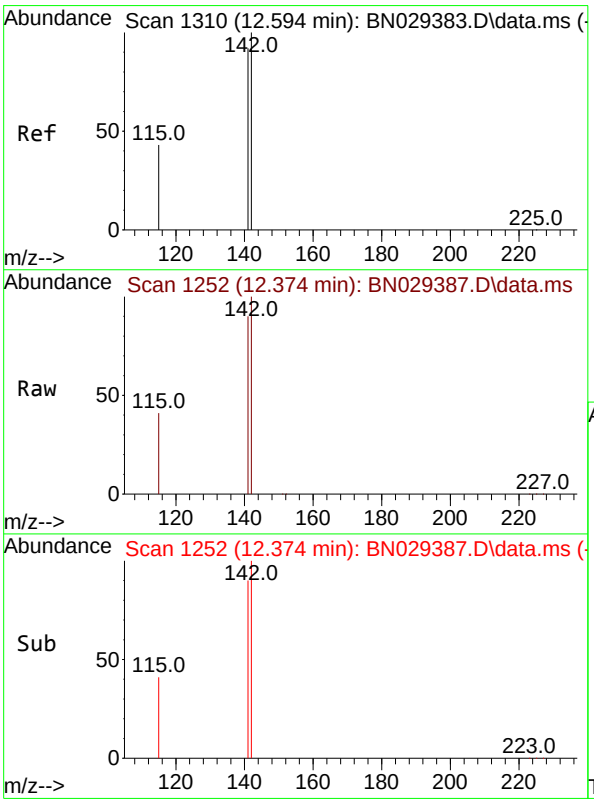
#11
2-Methylnaphthalene-d10
Concen: 5.023 ng
RT: 12.303 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 78913

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2

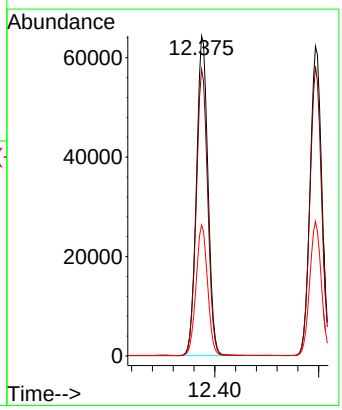


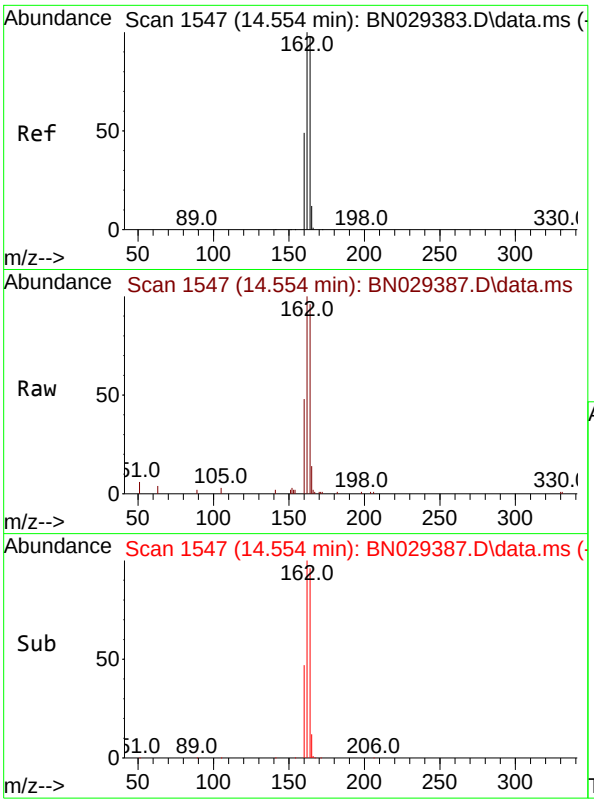


#12
2-Methylnaphthalene
Concen: 4.895 ng
RT: 12.374 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:142 Resp: 98732

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.0	106.4
115	41.0	34.3	51.5



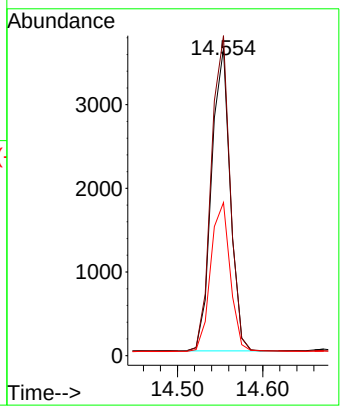


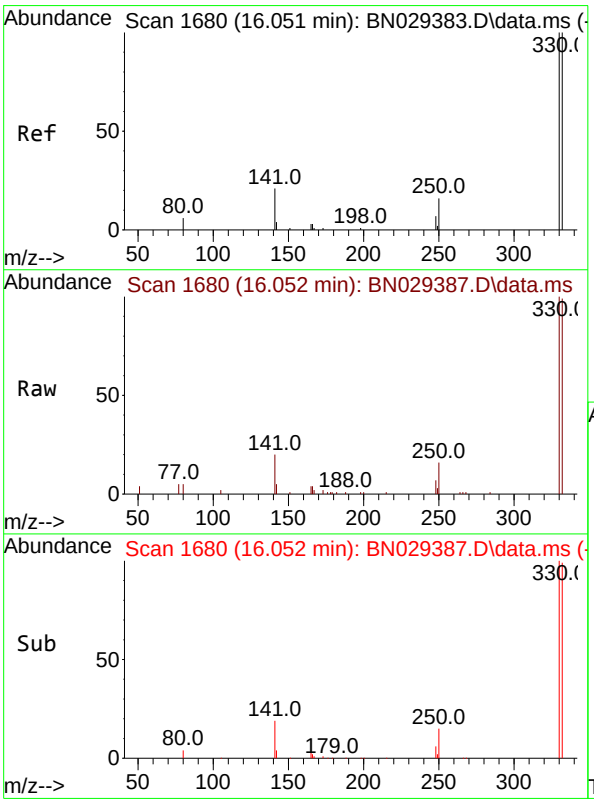
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.554 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 5492

Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.3	121.9
160	49.8	40.2	60.2

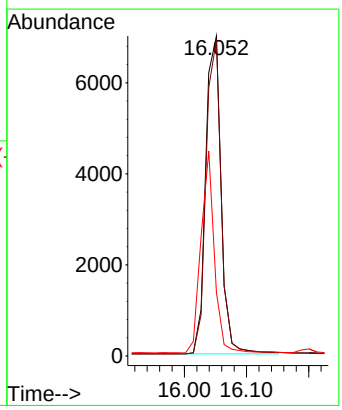


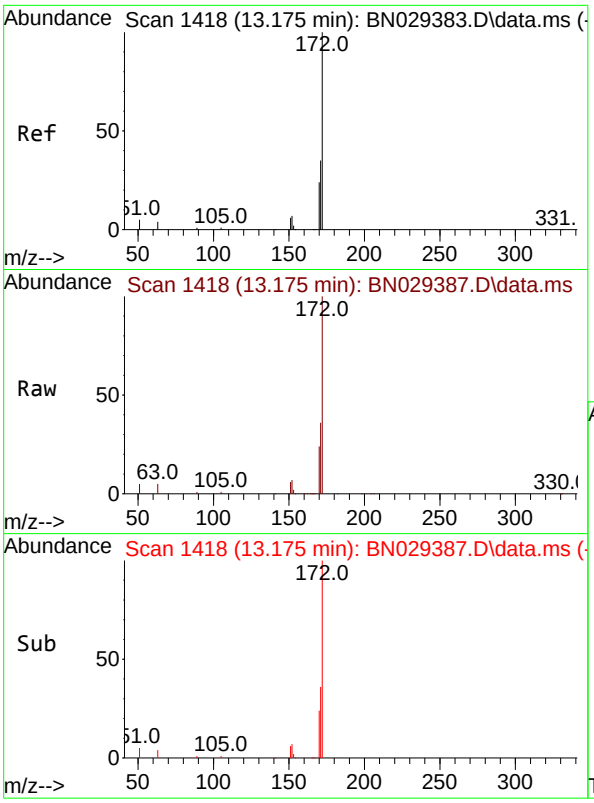


#14
2,4,6-Tribromophenol
Concen: 4.998 ng
RT: 16.052 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:330 Resp: 12089

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.5	113.3
141	55.2	43.0	64.6



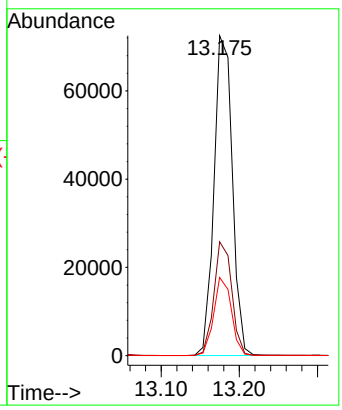


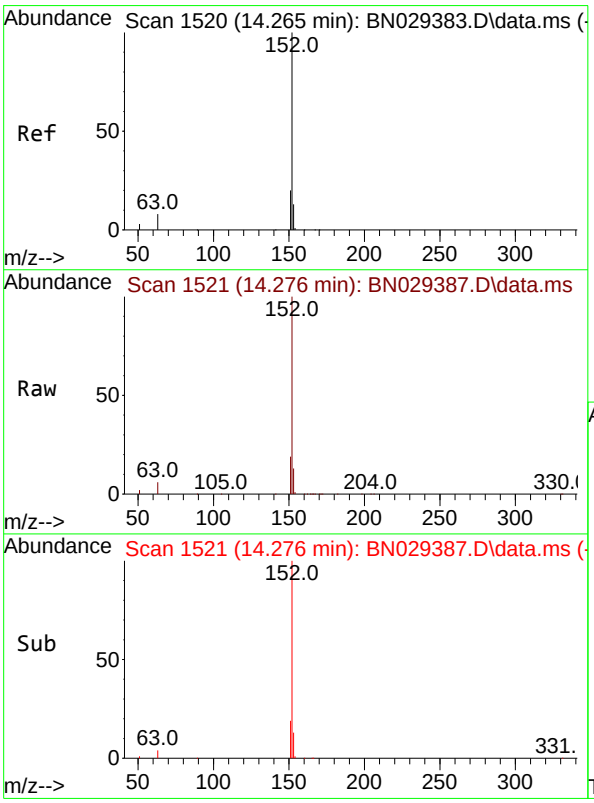
#15
2-Fluorobiphenyl
Concen: 4.656 ng
RT: 13.175 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 118173

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.4	20.1	30.1

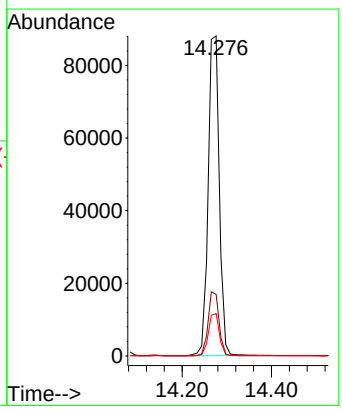


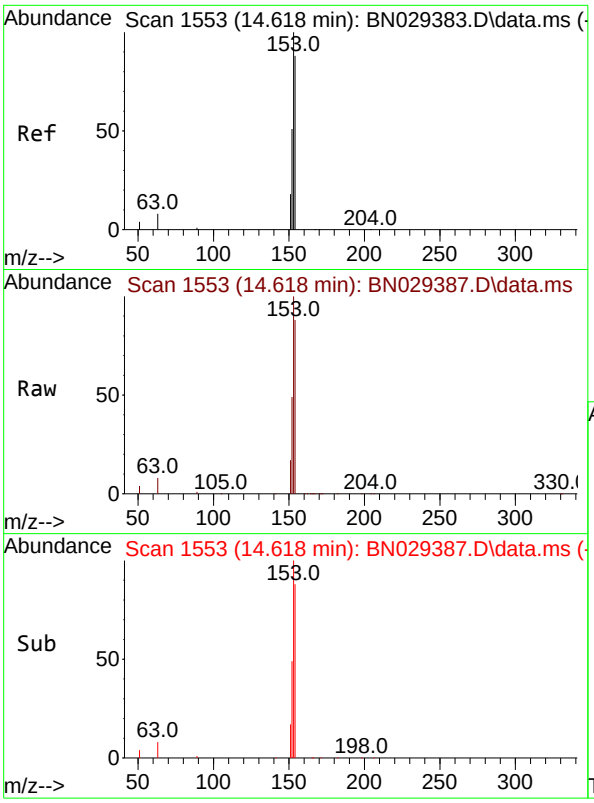


#16
Acenaphthylene
Concen: 5.231 ng
RT: 14.276 min Scan# 1521
Delta R.T. 0.011 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:152 Resp: 151961

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.4	15.6



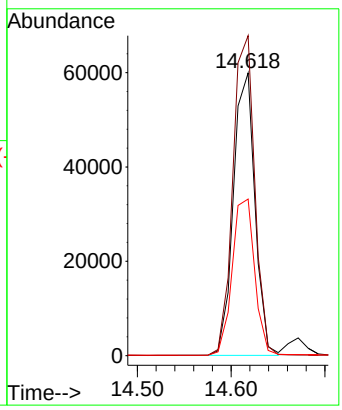


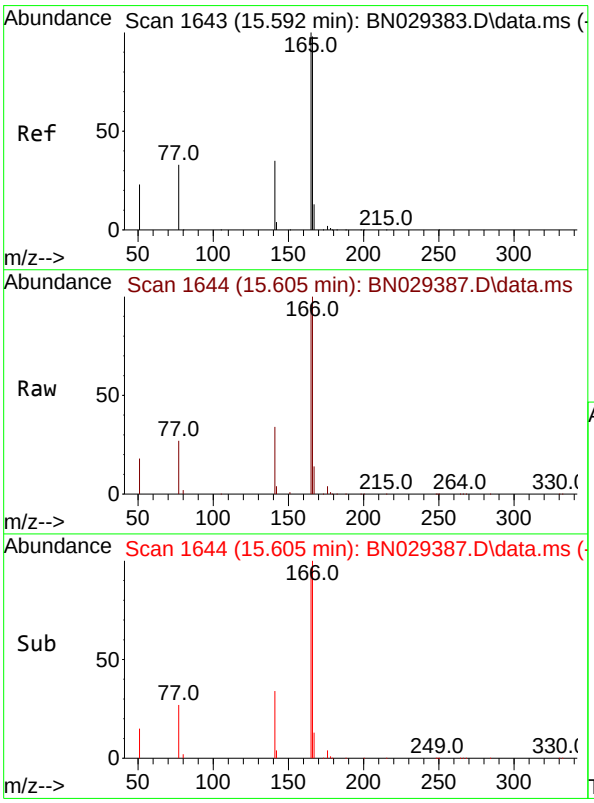
#17
Acenaphthene
Concen: 4.924 ng
RT: 14.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 95539

Ion	Ratio	Lower	Upper
154	100		
153	114.8	93.6	140.4
152	58.1	49.0	73.4

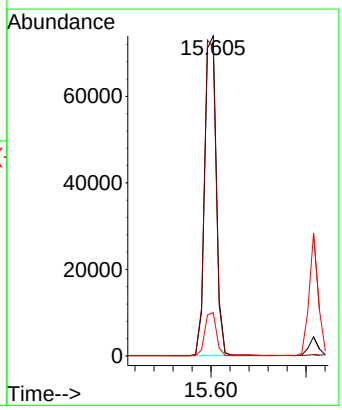


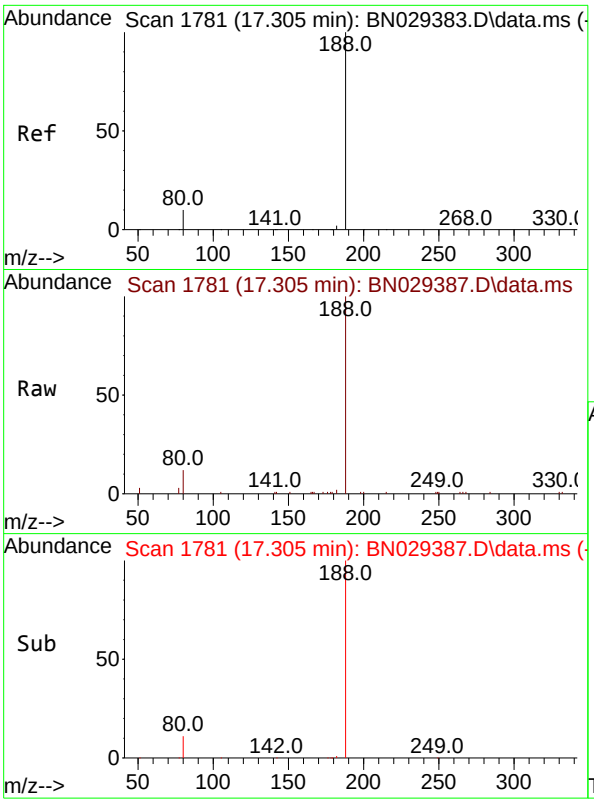


#18
Fluorene
Concen: 4.902 ng
RT: 15.605 min Scan# 1644
Delta R.T. 0.013 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:166 Resp: 126429

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.7	119.5
167	13.4	10.7	16.1



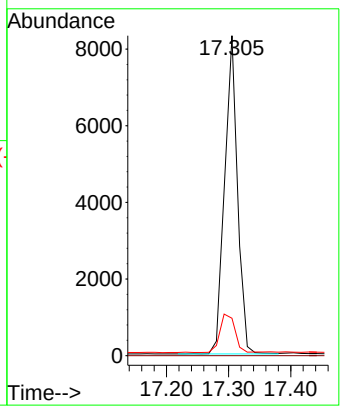


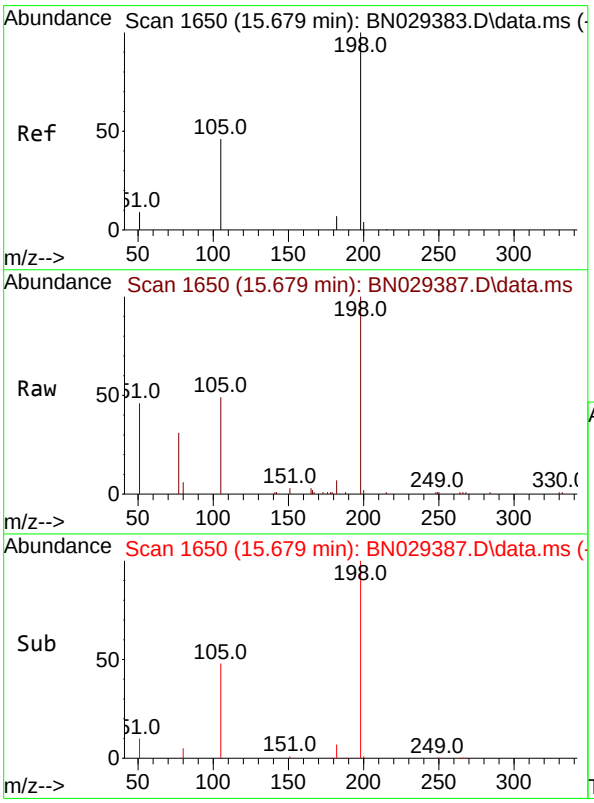
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 11919

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	8.8	13.2

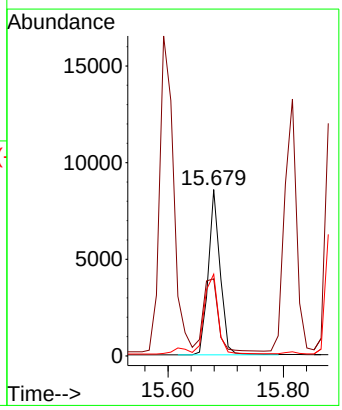


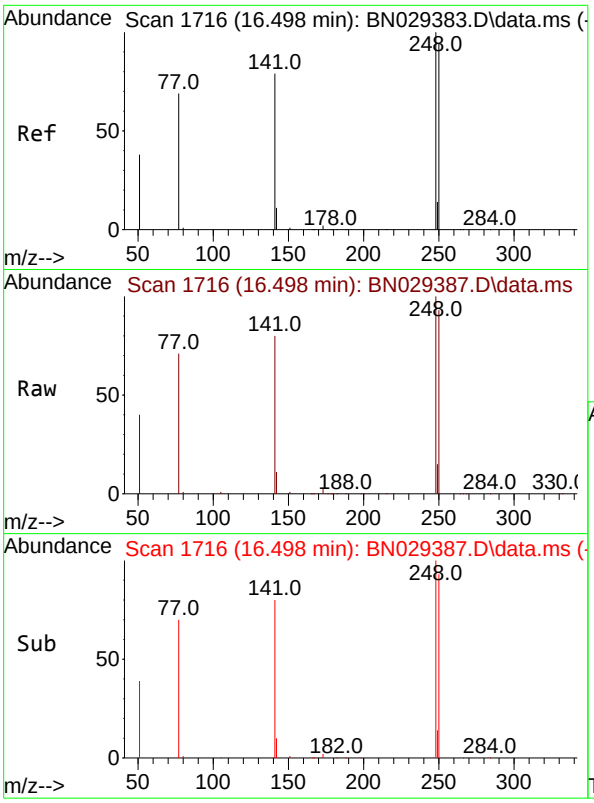


#20
4,6-Dinitro-2-methylphenol
Concen: 4.937 ng
RT: 15.679 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:198 Resp: 12148

Ion	Ratio	Lower	Upper
198	100		
51	46.4	68.3	102.5#
105	49.1	48.8	73.2



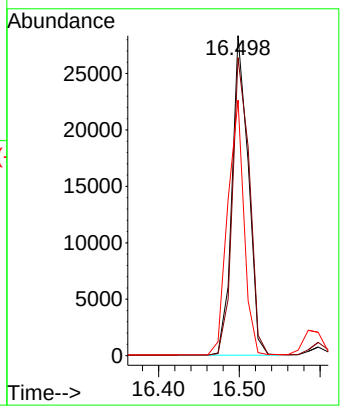


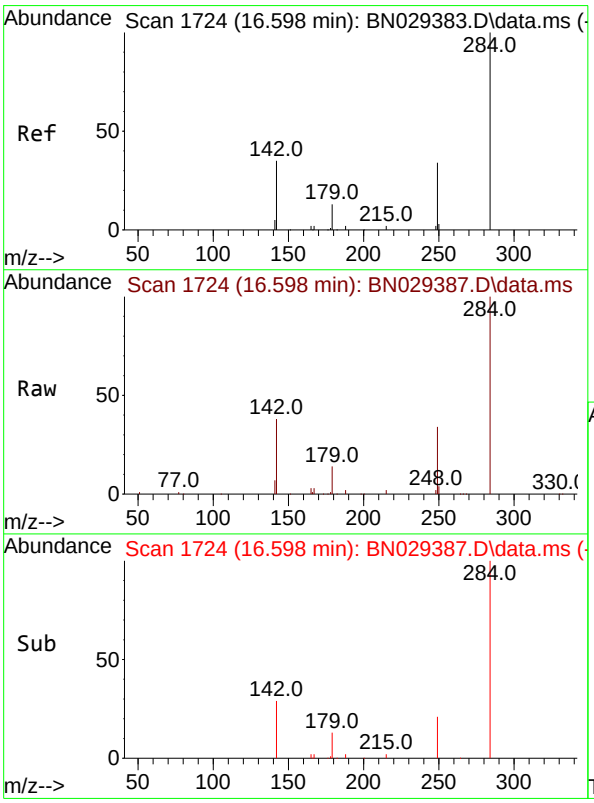
#21
4-Bromophenyl-phenylether
Concen: 4.904 ng
RT: 16.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 39690

Ion	Ratio	Lower	Upper
248	100		
250	93.2	75.6	113.4
141	79.9	64.0	96.0

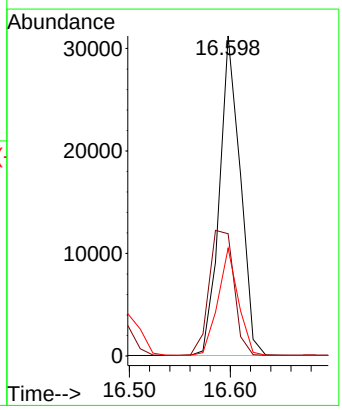


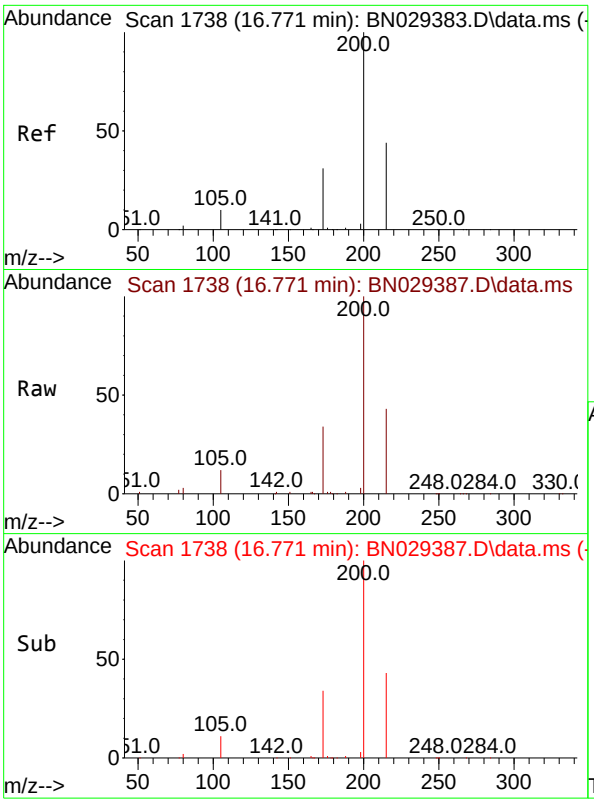


#22
Hexachlorobenzene
Concen: 4.812 ng
RT: 16.598 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:284 Resp: 44689

Ion	Ratio	Lower	Upper
284	100		
142	46.8	37.8	56.8
249	32.6	26.7	40.1



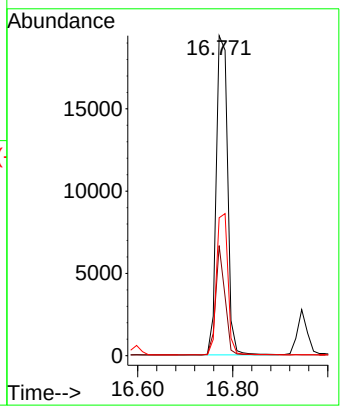


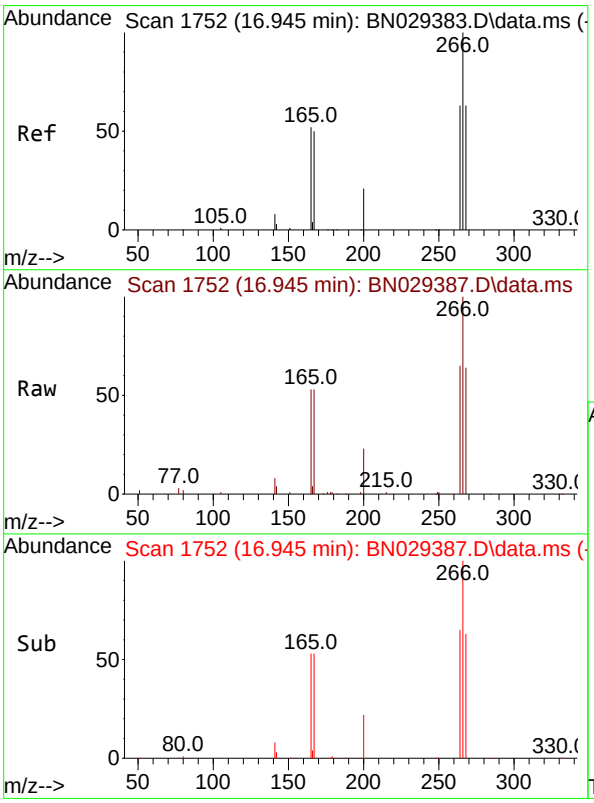
#23
Atrazine
Concen: 5.282 ng
RT: 16.771 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 32071

Ion	Ratio	Lower	Upper
200	100		
173	34.4	26.6	40.0
215	43.1	36.8	55.2

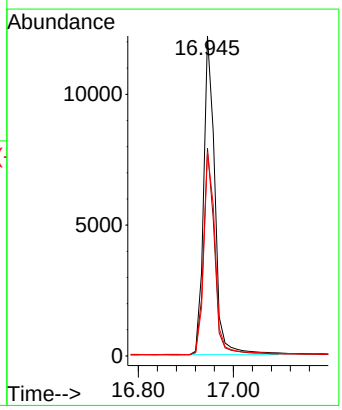


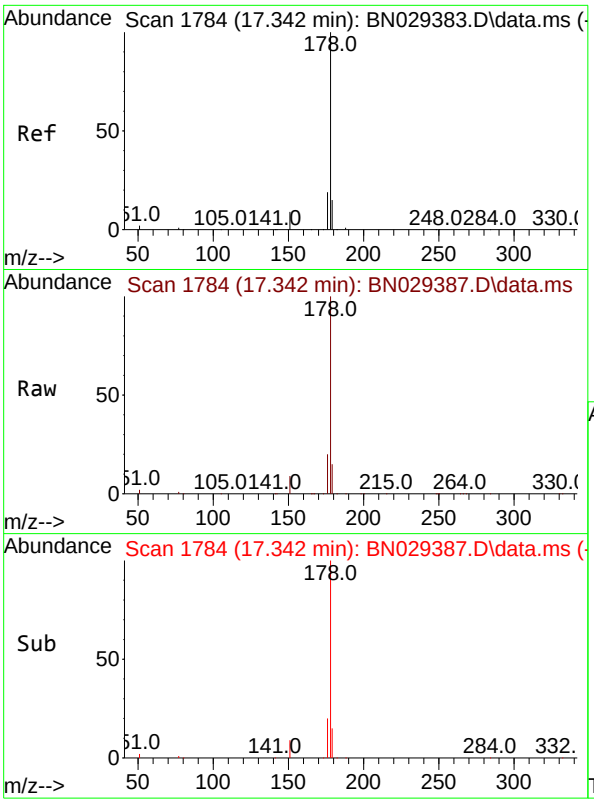


#24
Pentachlorophenol
Concen: 4.949 ng
RT: 16.945 min Scan# 1752
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:266 Resp: 20128

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.6	75.8
268	64.2	51.9	77.9



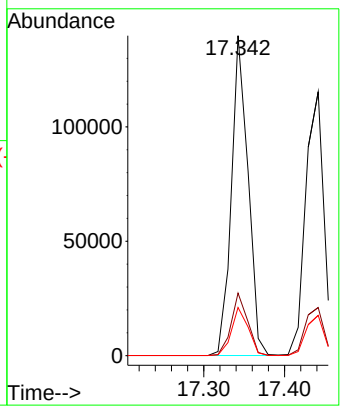


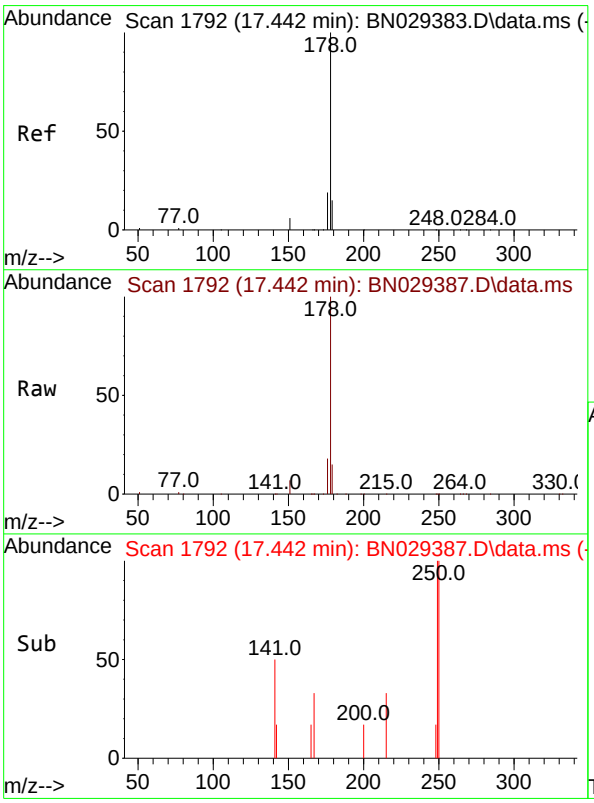
#25
Phenanthrene
Concen: 4.919 ng
RT: 17.342 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 199615

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.2	18.4

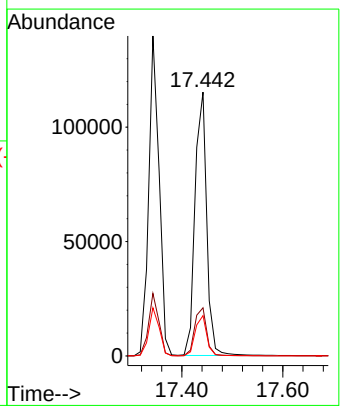


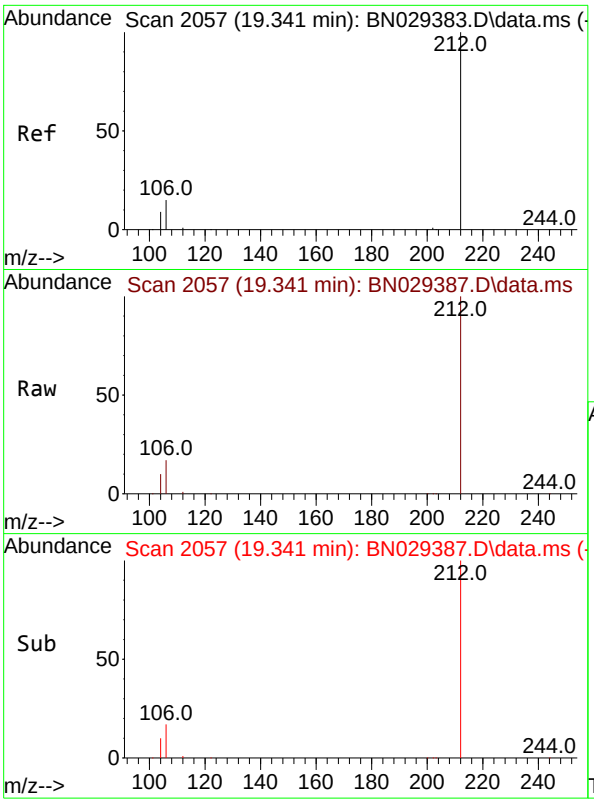


#26
Anthracene
Concen: 5.179 ng
RT: 17.442 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:178 Resp: 185549

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.1	12.1	18.1



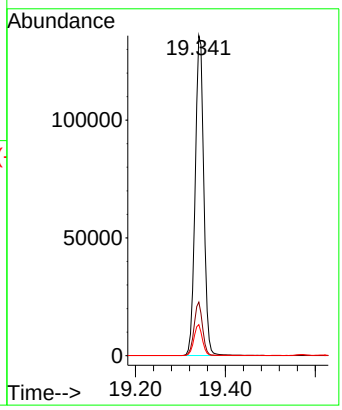


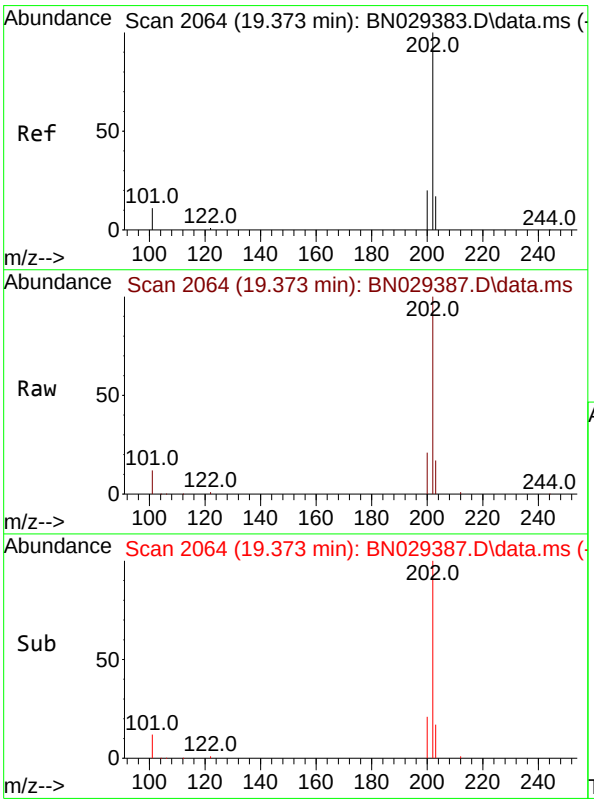
#27
Fluoranthene-d10
Concen: 5.258 ng
RT: 19.341 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 180586

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.8	19.2
104	9.5	7.7	11.5

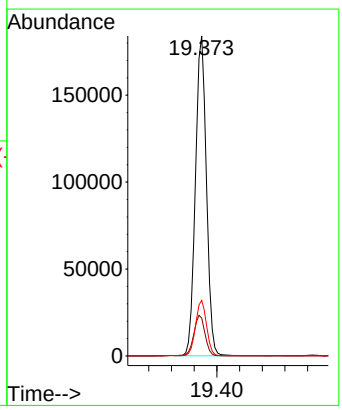


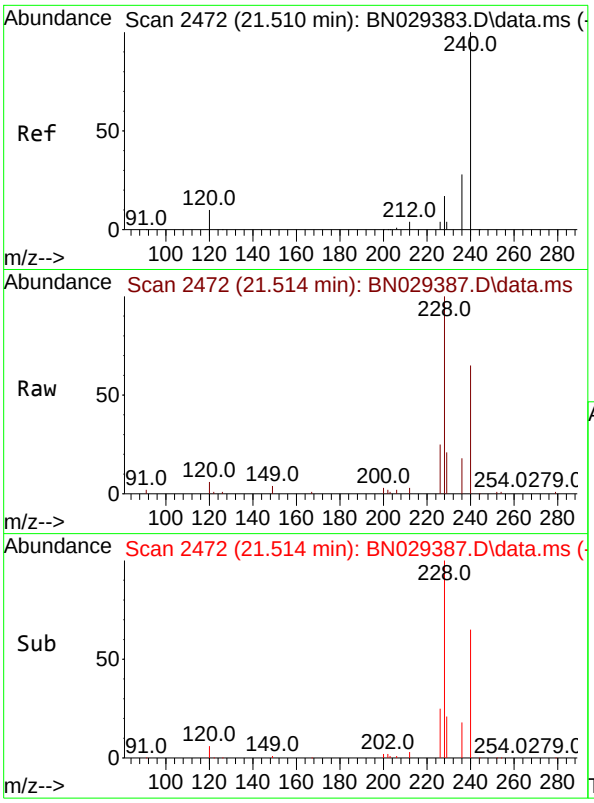


#28
Fluoranthene
Concen: 5.169 ng
RT: 19.373 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:202 Resp: 246437

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.5	15.7
203	17.3	13.8	20.6



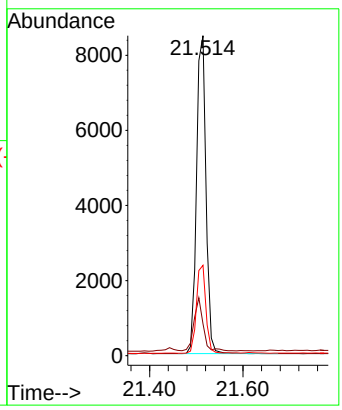


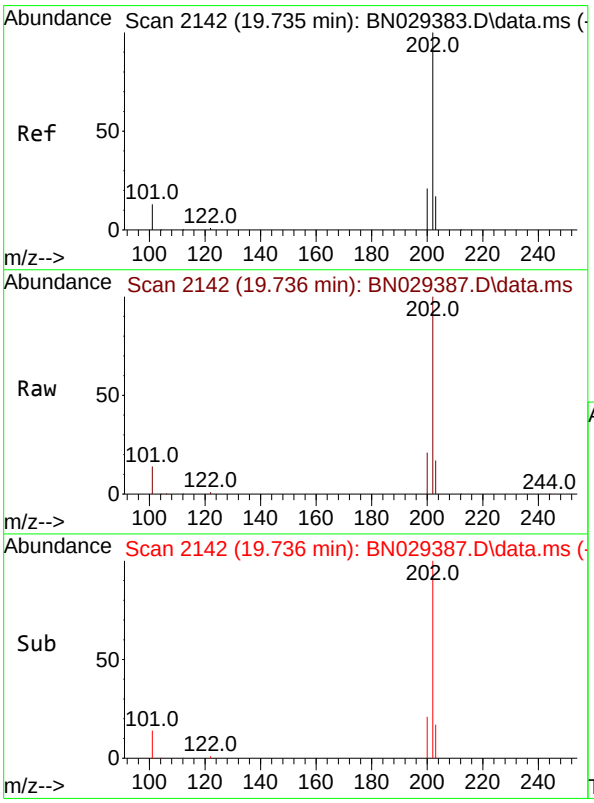
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.514 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 11967

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.0	13.6
236	28.2	22.6	34.0

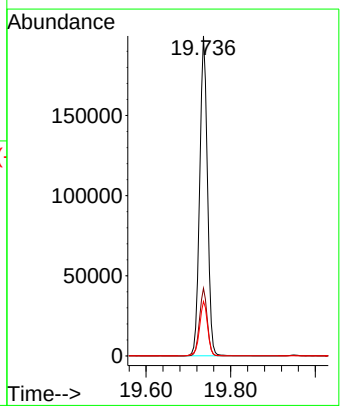


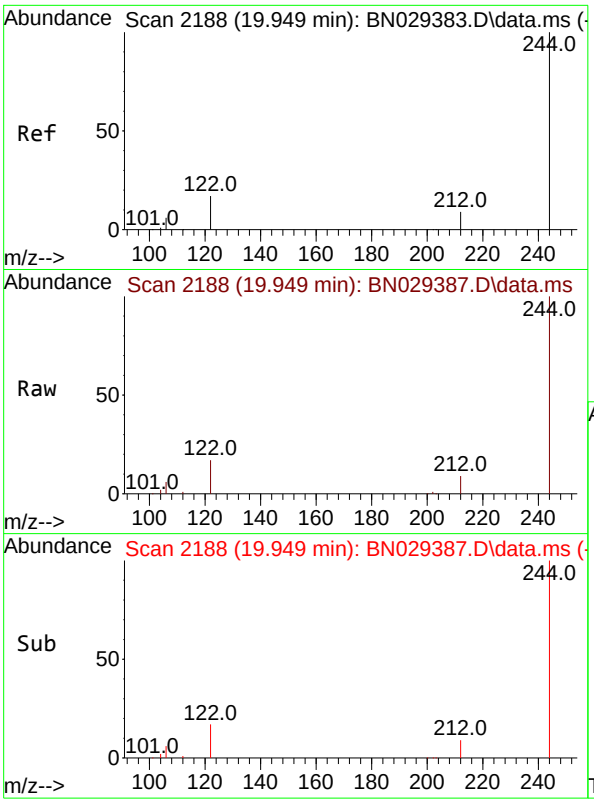


#30
Pyrene
Concen: 4.659 ng
RT: 19.736 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:202 Resp: 253183

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	14.2	21.2



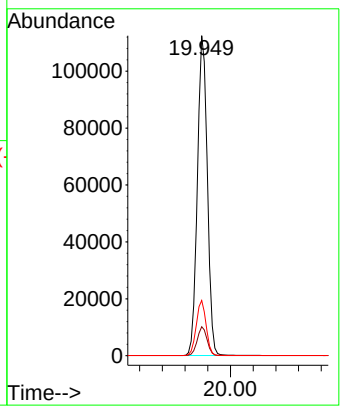


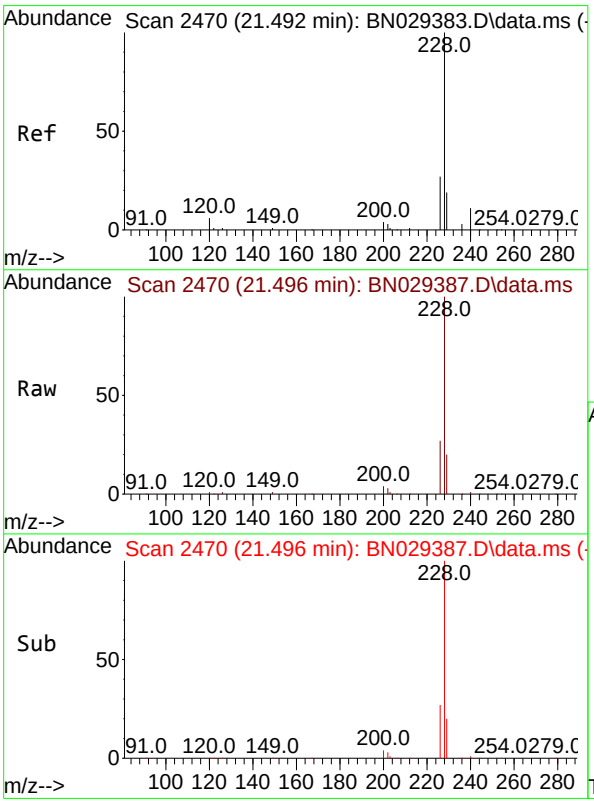
#31
Terphenyl-d14
Concen: 4.582 ng
RT: 19.949 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 136574

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	17.3	13.8	20.8

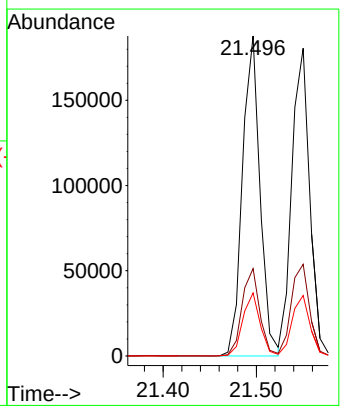


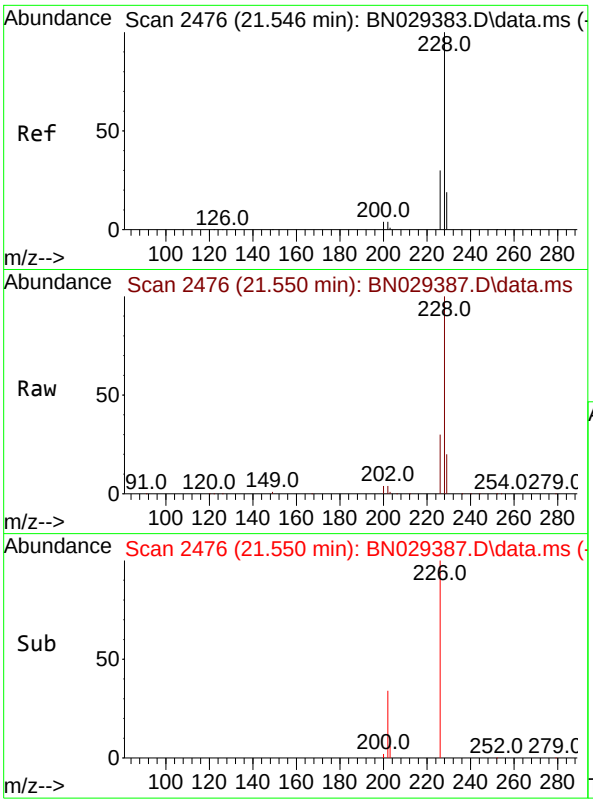


#32
Benzo(a)anthracene
Concen: 5.049 ng
RT: 21.496 min Scan# 2470
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:228 Resp: 245962

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.3	22.9



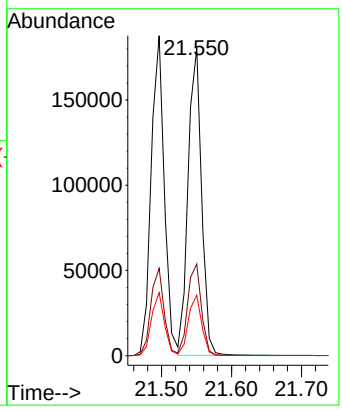


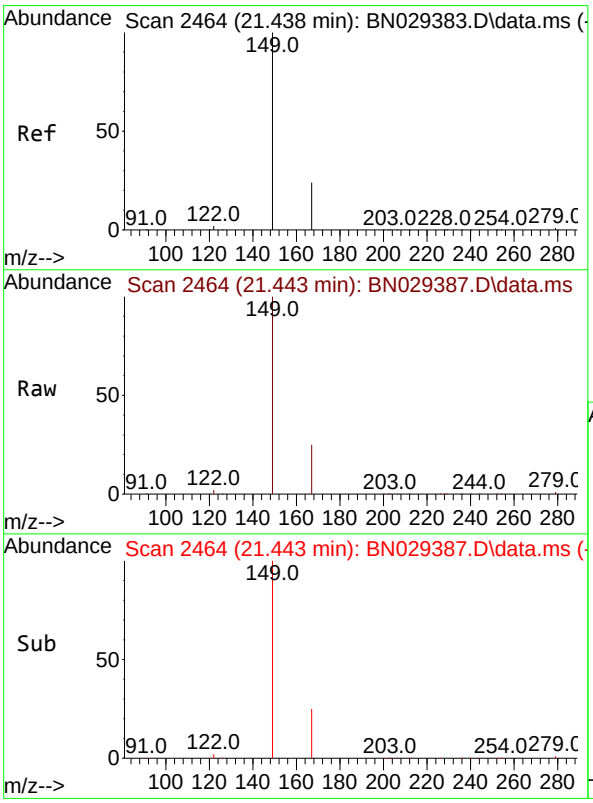
#33
Chrysene
Concen: 4.747 ng
RT: 21.550 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 240394

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.7	15.8	23.8

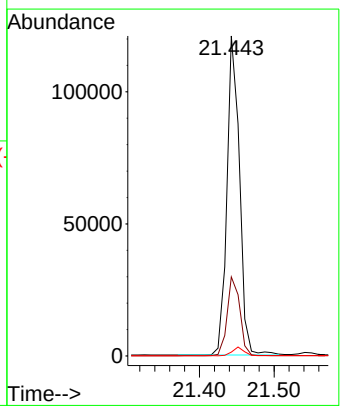


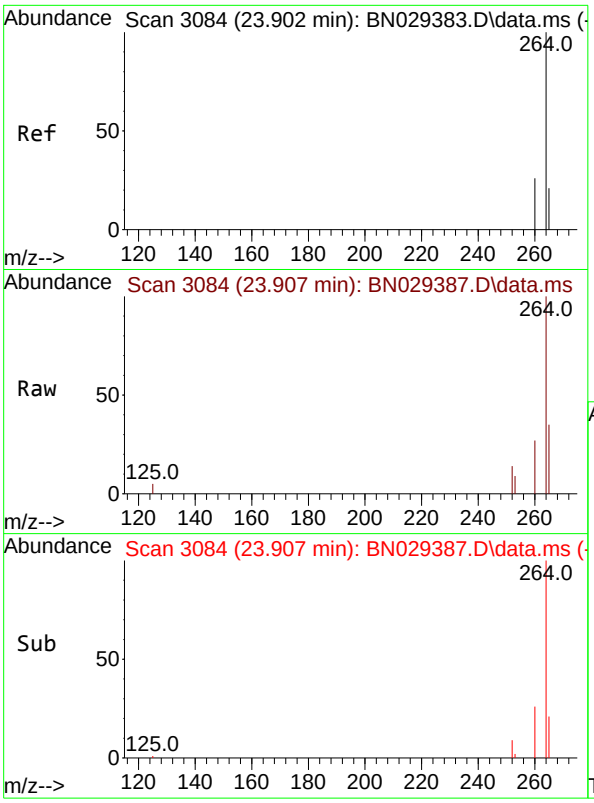


#34
Bis(2-ethylhexyl)phthalate
Concen: 4.728 ng
RT: 21.443 min Scan# 2464
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:149 Resp: 141324

Ion	Ratio	Lower	Upper
149	100		
167	25.0	19.5	29.3
279	2.5	2.1	3.1



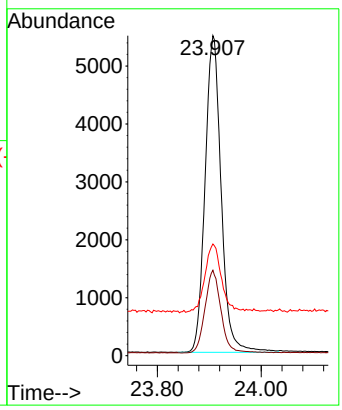


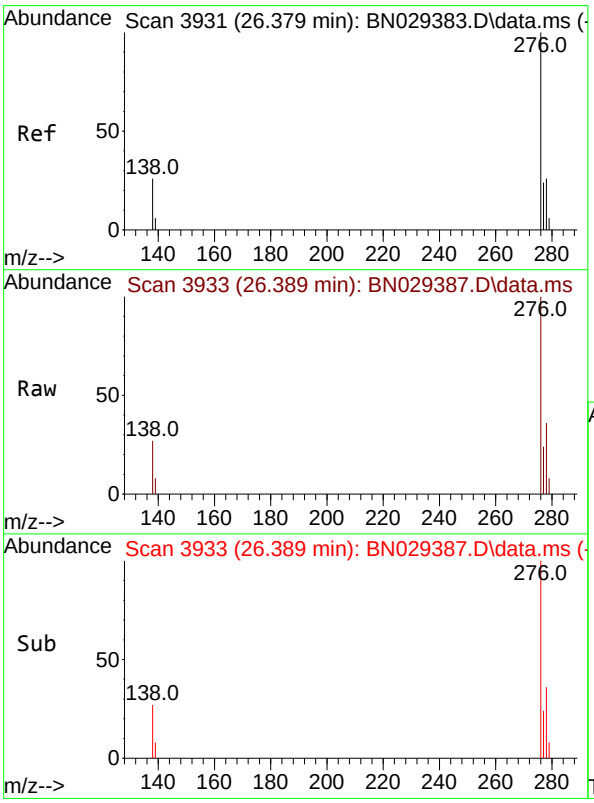
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.907 min Scan# 3
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 11759

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.3	31.9
265	34.9	25.7	38.5

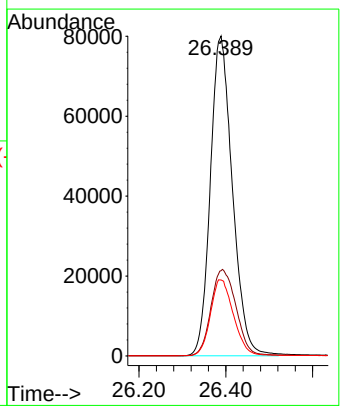


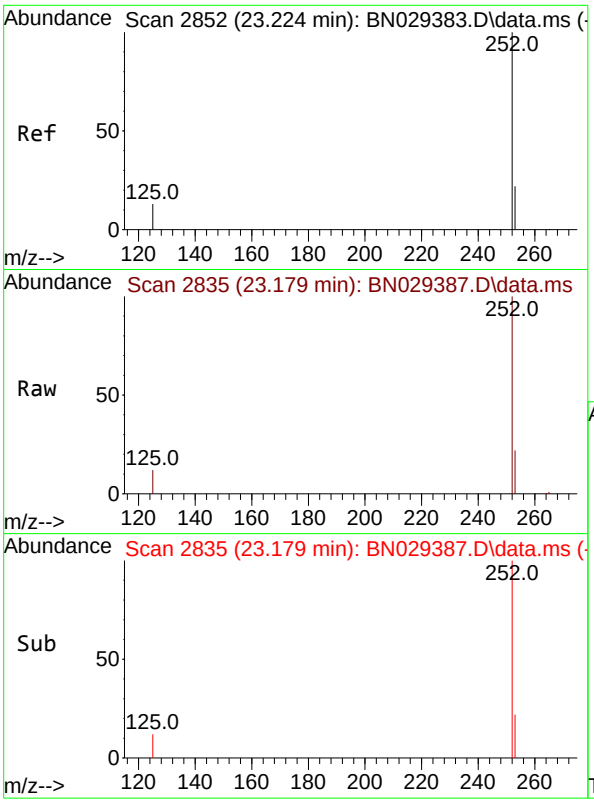


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.542 ng
RT: 26.389 min Scan# 3933
Delta R.T. 0.010 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:276 Resp: 282053

Ion	Ratio	Lower	Upper
276	100		
138	30.5	24.8	37.2
277	24.8	19.9	29.9



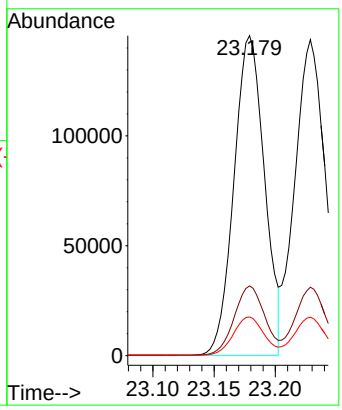


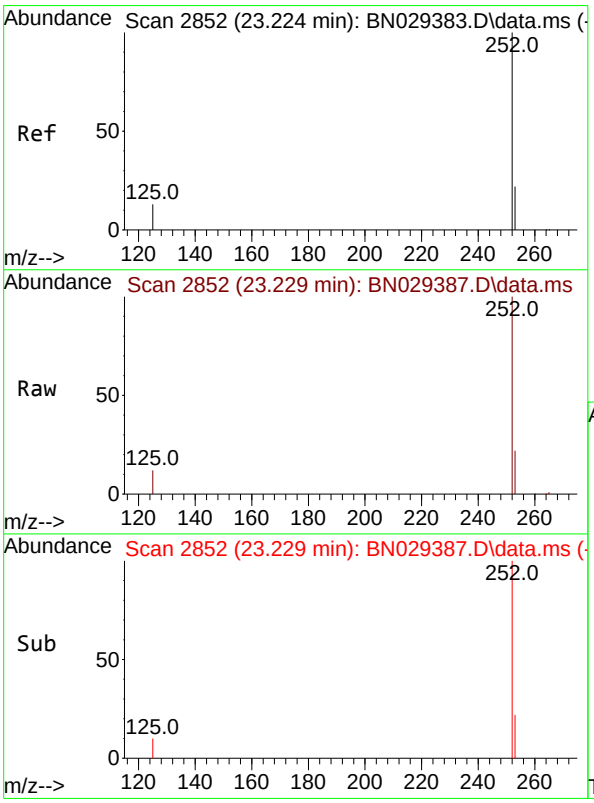
#37
Benzo(b)fluoranthene
Concen: 5.066 ng
RT: 23.179 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 251859

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.9	28.3
125	12.1	10.7	16.1

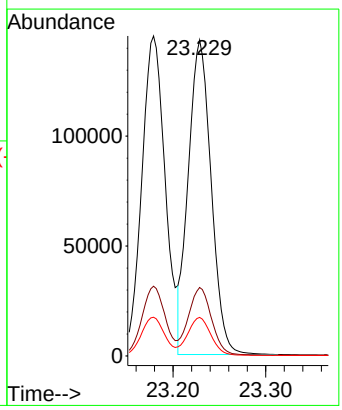


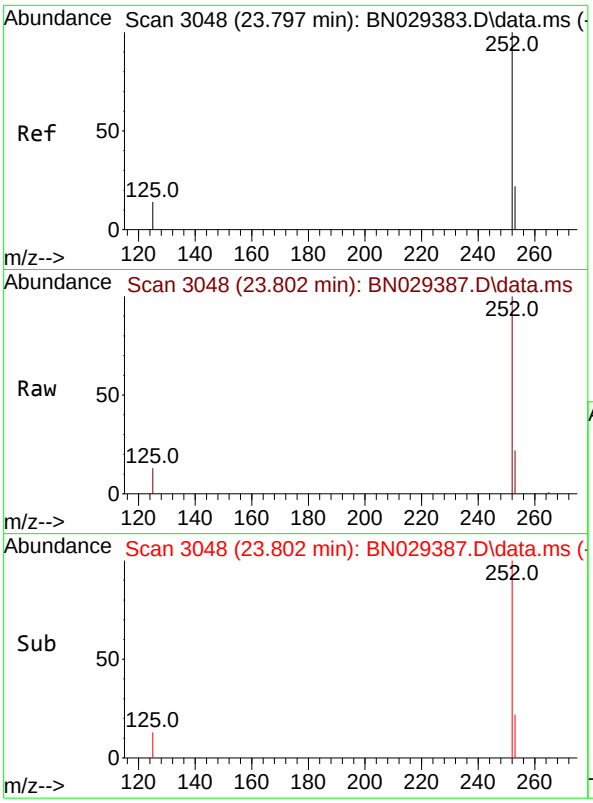


#38
Benzo(k)fluoranthene
Concen: 5.083 ng
RT: 23.229 min Scan# 2852
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:252 Resp: 246015

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.8	29.6
125	12.2	11.4	17.2



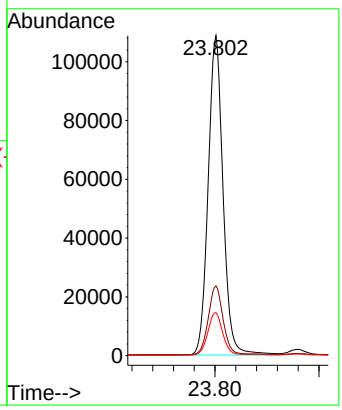


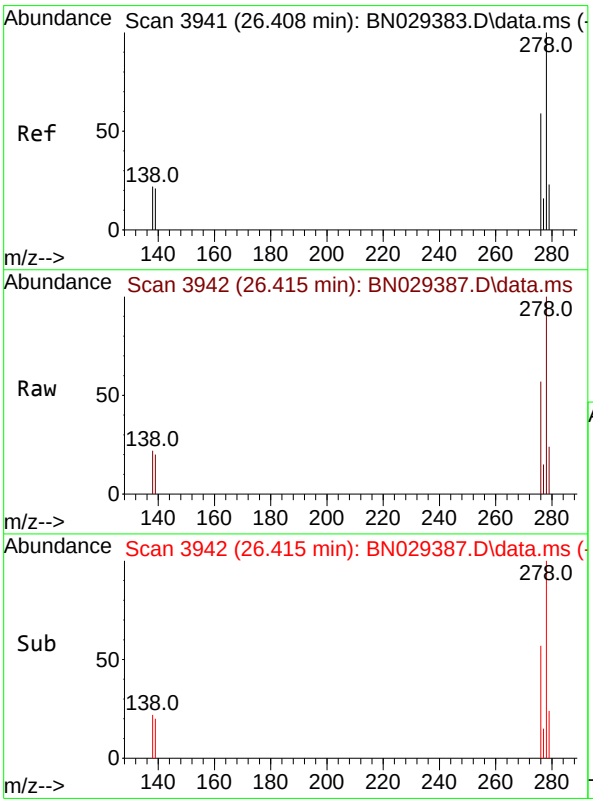
#39
Benzo(a)pyrene
Concen: 5.386 ng
RT: 23.802 min Scan# 3
Delta R.T. 0.004 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 216027

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.6	30.8
125	13.4	13.0	19.6

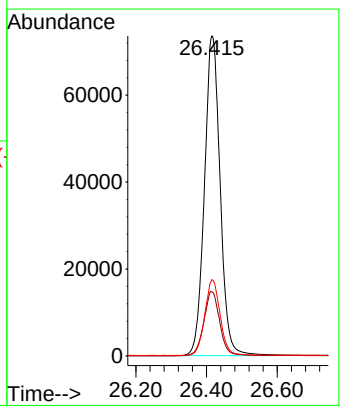


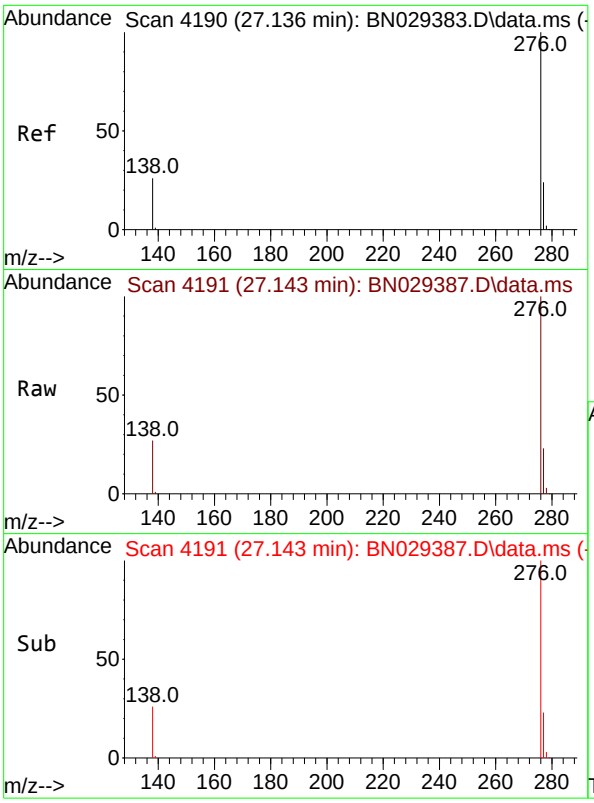


#40
Dibenzo(a,h)anthracene
Concen: 5.561 ng
RT: 26.415 min Scan# 3942
Delta R.T. 0.007 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Tgt Ion:278 Resp: 227610

Ion	Ratio	Lower	Upper
278	100		
139	20.0	17.8	26.6
279	23.9	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 5.375 ng
RT: 27.143 min Scan# 4
Delta R.T. 0.007 min
Lab File: BN029387.D
Acq: 25 Jan 2024 15:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 239206

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.7	29.5
138	26.5	22.0	33.0