Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012224\
Data File : BN029331.D
Acq On : 22 Jan 2024 14:48
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Jan 23 01:28:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 01:24:33 2024
Response via : Initial Calibration

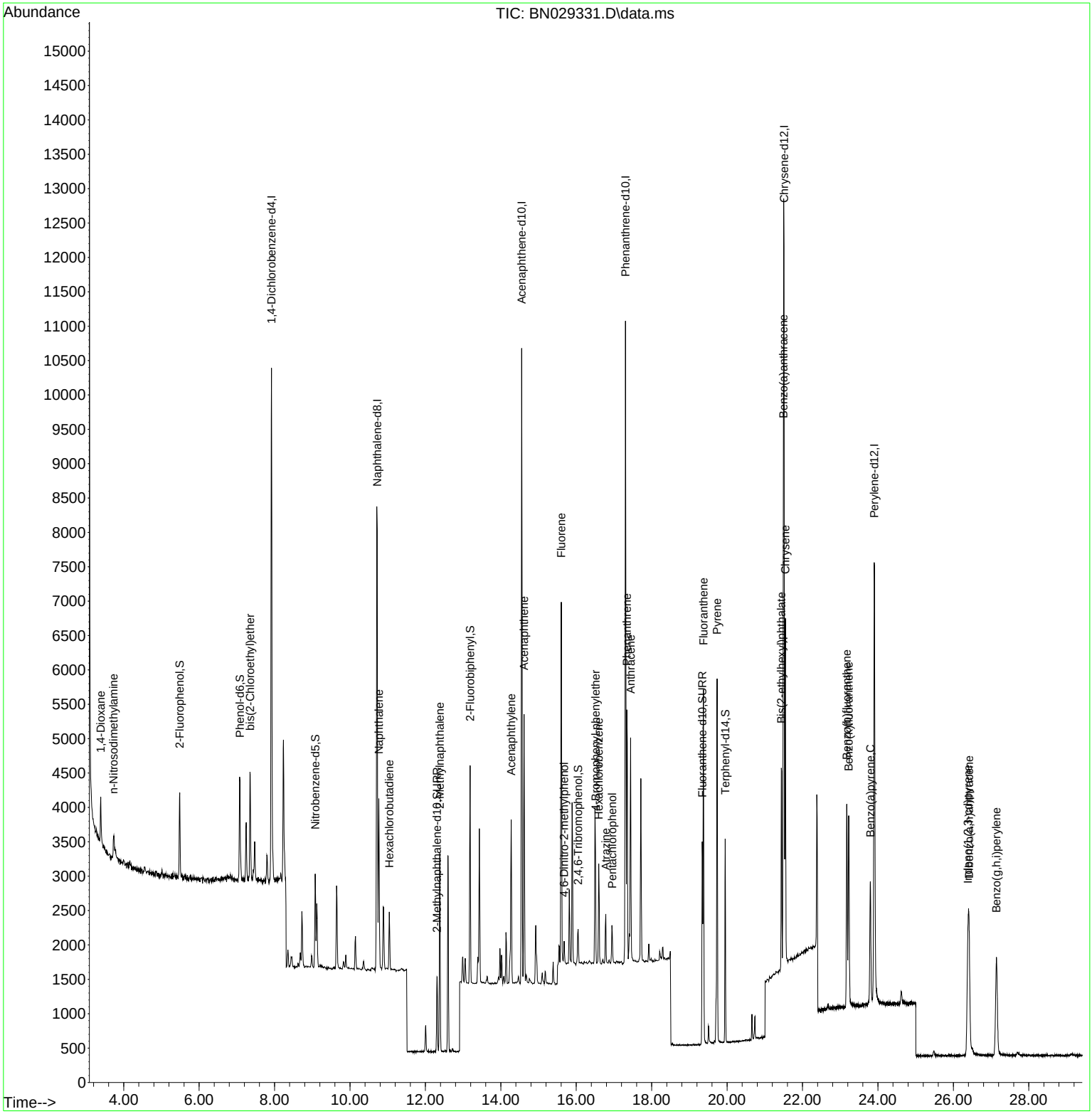
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.919	152	3574	0.400	ng		0.00
7) Naphthalene-d8	10.722	136	9353	0.400	ng	#	0.01
13) Acenaphthene-d10	14.554	164	4935	0.400	ng		0.00
19) Phenanthrene-d10	17.305	188	11635	0.400	ng		0.00
29) Chrysene-d12	21.510	240	9537	0.400	ng		0.00
35) Perylene-d12	23.902	264	9310	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.485	112	1018	0.115	ng		0.00
5) Phenol-d6	7.081	99	1384	0.118	ng		0.00
8) Nitrobenzene-d5	9.078	82	1121	0.129	ng		0.00
11) 2-Methylnaphthalene-d10	12.306	152	1481	0.093	ng		0.00
14) 2,4,6-Tribromophenol	16.051	330	300	0.198	ng		0.00
15) 2-Fluorobiphenyl	13.185	172	2555	0.111	ng		0.00
27) Fluoranthene-d10	19.340	212	3229	0.092	ng		0.00
31) Terphenyl-d14	19.949	244	2734	0.114	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.391	88	494	0.113	ng		96
3) n-Nitrosodimethylamine	3.730	42	404	0.093	ng	#	91
6) bis(2-Chloroethyl)ether	7.356	93	1209	0.110	ng		97
9) Naphthalene	10.765	128	3135	0.108	ng		97
10) Hexachlorobutadiene	11.043	225	637	0.101	ng	#	99
12) 2-Methylnaphthalene	12.382	142	1973	0.101	ng		98
16) Acenaphthylene	14.276	152	2520	0.100	ng		98
17) Acenaphthene	14.618	154	1852	0.109	ng		98
18) Fluorene	15.604	166	2488	0.107	ng		98
20) 4,6-Dinitro-2-methylph...	15.679	198	194	0.113	ng	#	31
21) 4-Bromophenyl-phenylether	16.511	248	887	0.143	ng		99
22) Hexachlorobenzene	16.597	284	1067	0.105	ng		98
23) Atrazine	16.784	200	571	0.100	ng	#	90
24) Pentachlorophenol	16.957	266	273	0.087	ng		93
25) Phenanthrene	17.342	178	4163	0.107	ng		99
26) Anthracene	17.441	178	3465	0.102	ng		99
28) Fluoranthene	19.373	202	4603	0.097	ng		100
30) Pyrene	19.735	202	4704	0.117	ng		99
32) Benzo(a)anthracene	21.492	228	3925	0.107	ng		98
33) Chrysene	21.546	228	4179	0.106	ng		99
34) Bis(2-ethylhexyl)phtha...	21.438	149	3051	0.184	ng		97
36) Indeno(1,2,3-cd)pyrene	26.384	276	3500	0.084	ng	#	87
37) Benzo(b)fluoranthene	23.174	252	4031	0.103	ng	#	89
38) Benzo(k)fluoranthene	23.224	252	3752	0.098	ng	#	86
39) Benzo(a)pyrene	23.797	252	2906	0.092	ng	#	82
40) Dibenzo(a,h)anthracene	26.417	278	2773	0.083	ng	#	87
41) Benzo(g,h,i)perylene	27.142	276	3204	0.090	ng		92

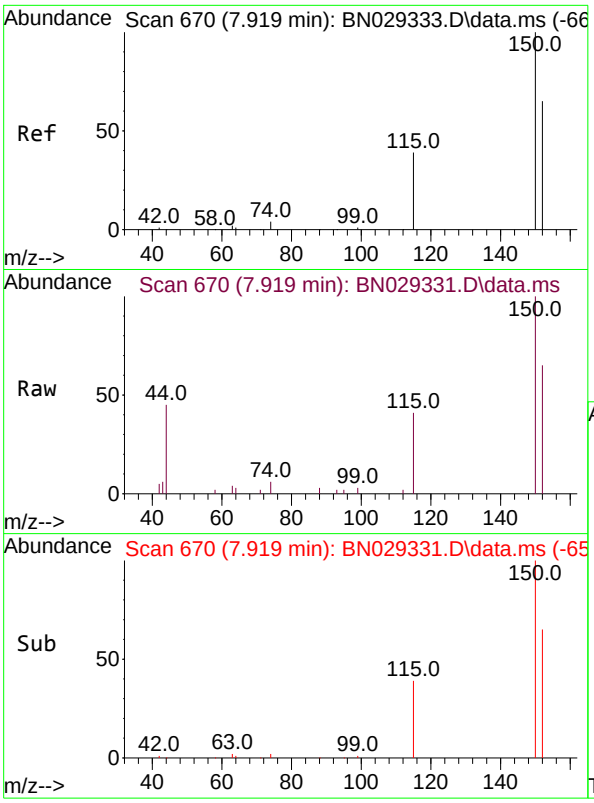
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012224\
Data File : BN029331.D
Acq On : 22 Jan 2024 14:48
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Jan 23 01:28:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 01:24:33 2024
Response via : Initial Calibration



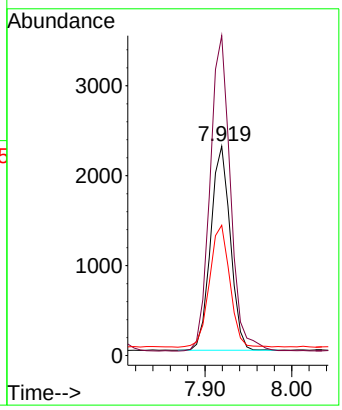


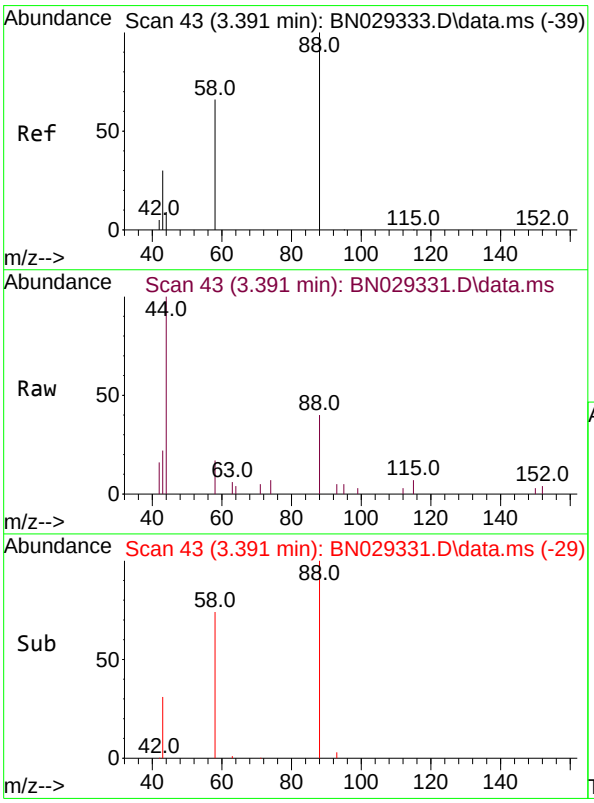
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.919 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 3574

Ion	Ratio	Lower	Upper
152	100		
150	152.9	121.1	181.7
115	62.3	49.8	74.6

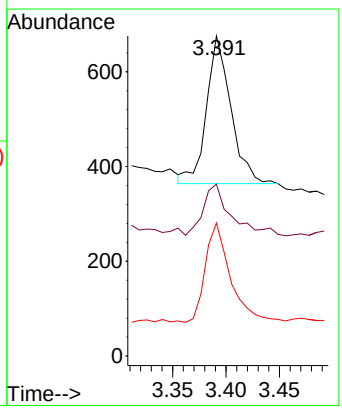


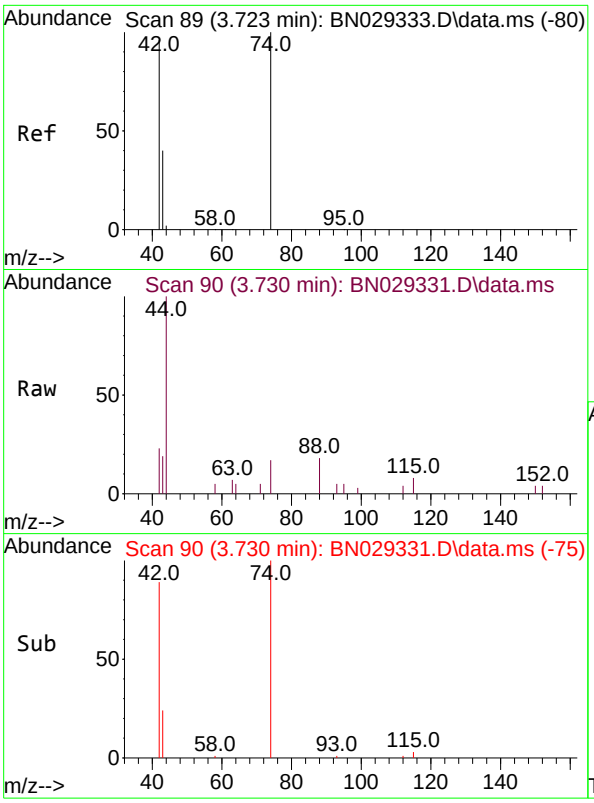


#2
1,4-Dioxane
Concen: 0.113 ng
RT: 3.391 min Scan# 43
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion: 88 Resp: 494

Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.2	43.8
58	69.4	57.8	86.8



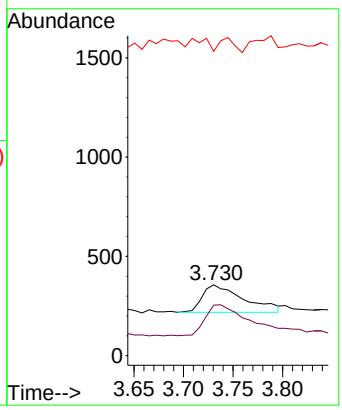


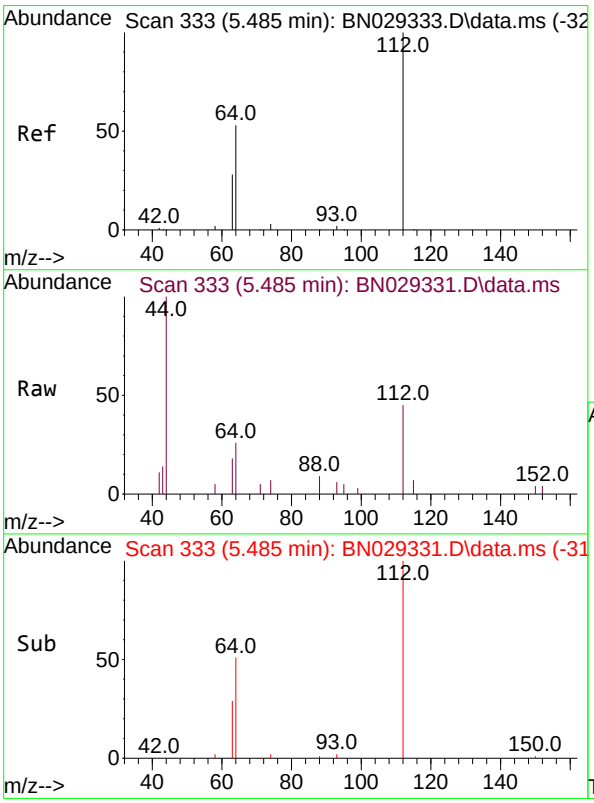
#3
n-Nitrosodimethylamine
Concen: 0.093 ng
RT: 3.730 min Scan# 90
Delta R.T. 0.007 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 404

Ion	Ratio	Lower	Upper
42	100		
74	117.6	87.4	131.0
44	18.6	3.1	4.7#

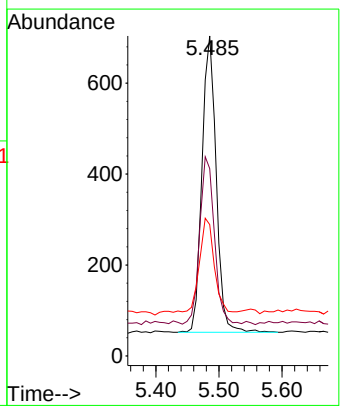


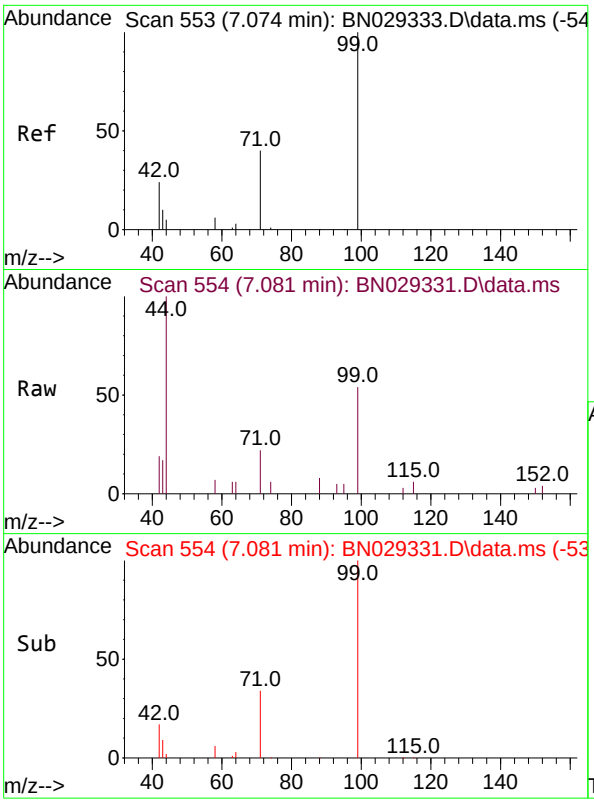


#4
2-Fluorophenol
Concen: 0.115 ng
RT: 5.485 min Scan# 333
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:112 Resp: 1018

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.6	71.4
63	34.4	27.0	40.6



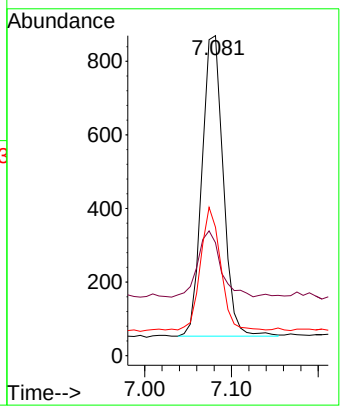


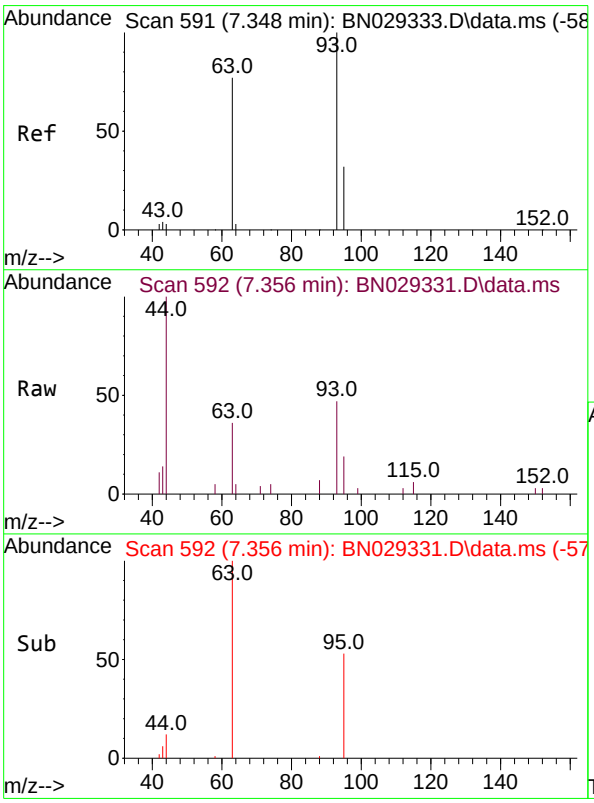
#5
Phenol-d6
Concen: 0.118 ng
RT: 7.081 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 1384

Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.3	28.9
71	38.3	31.0	46.6

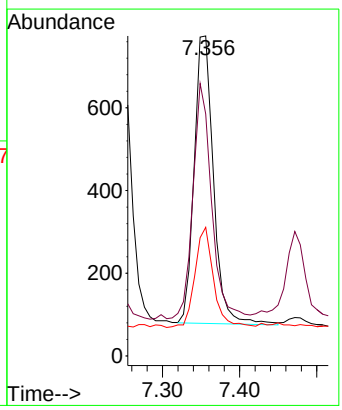


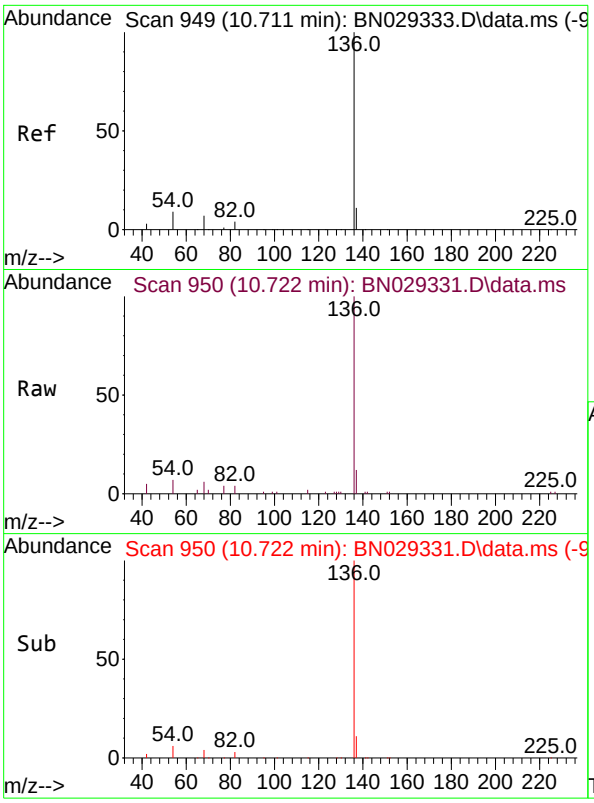


#6
bis(2-Chloroethyl)ether
Concen: 0.110 ng
RT: 7.356 min Scan# 592
Delta R.T. 0.007 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion: 93 Resp: 1209

Ion	Ratio	Lower	Upper
93	100		
63	79.1	61.0	91.4
95	33.7	26.5	39.7



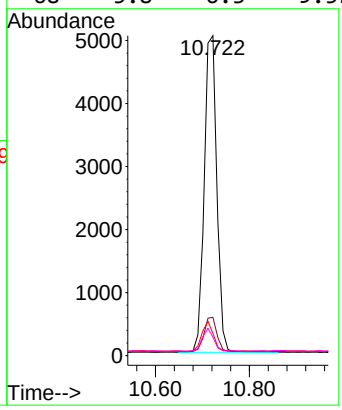


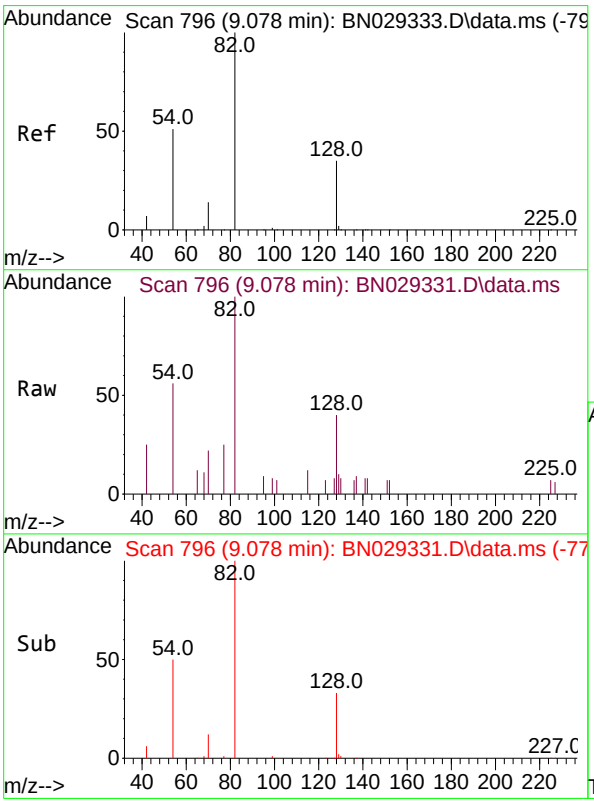
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 9353

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.0
54	6.9	7.9	11.9#
68	5.8	6.3	9.5#

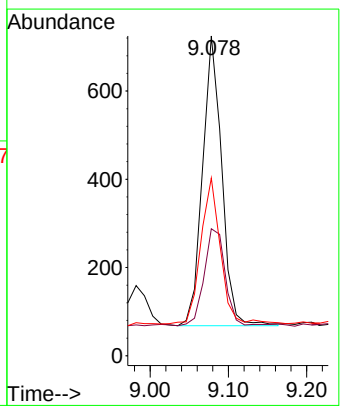


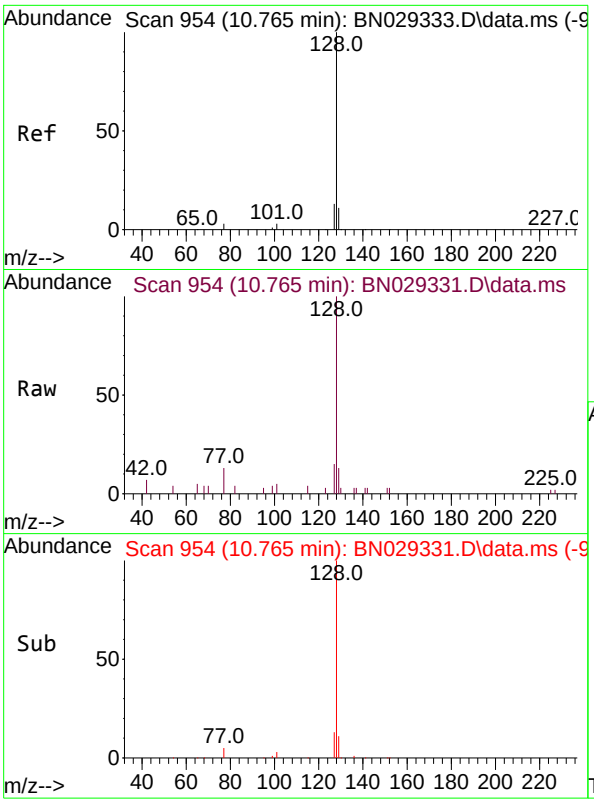


#8
Nitrobenzene-d5
Concen: 0.129 ng
RT: 9.078 min Scan# 796
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion: 82 Resp: 1121

Ion	Ratio	Lower	Upper
82	100		
128	39.7	29.8	44.6
54	55.6	42.5	63.7



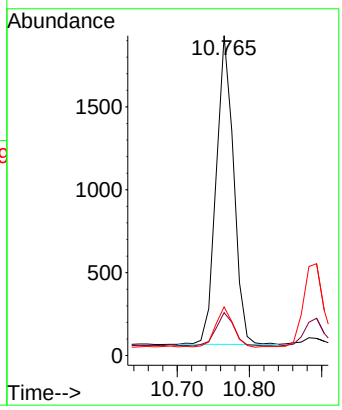


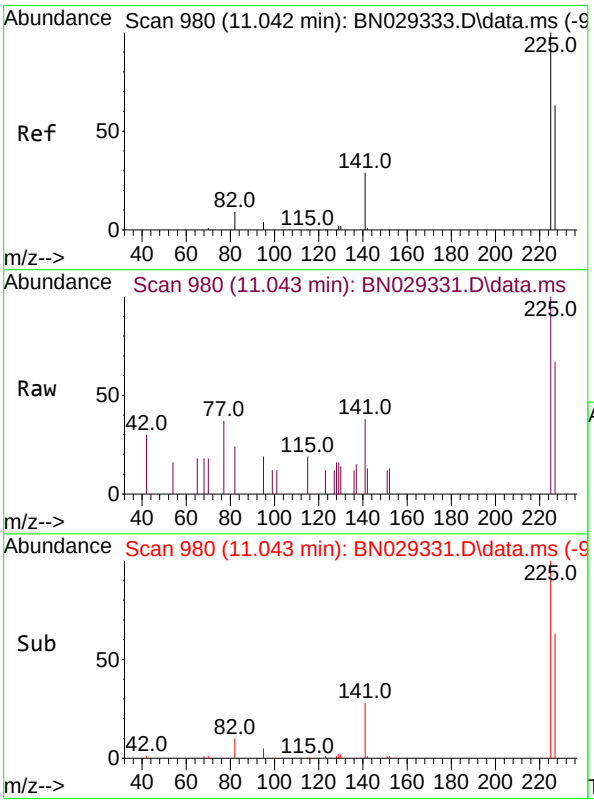
#9
Naphthalene
Concen: 0.108 ng
RT: 10.765 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 3135

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.6	14.4
127	15.2	11.3	16.9

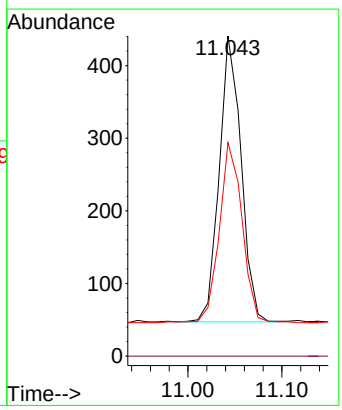


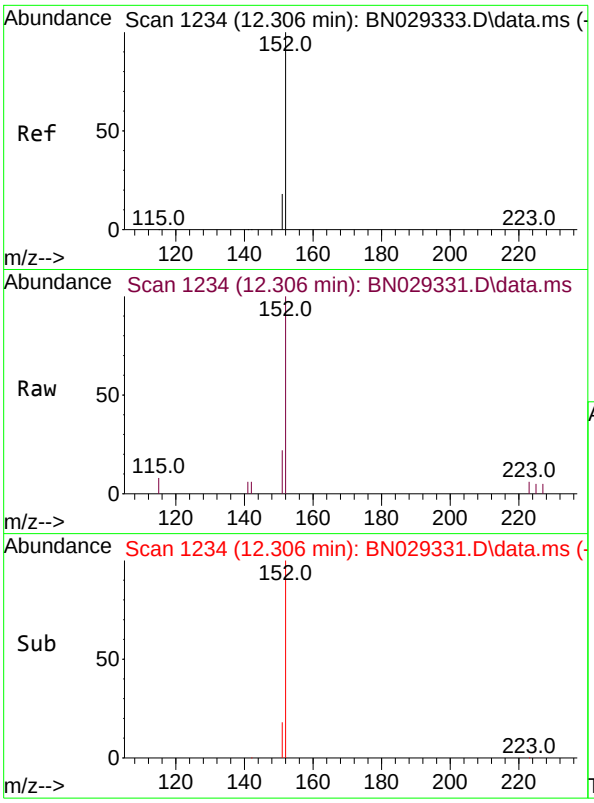


#10
Hexachlorobutadiene
Concen: 0.101 ng
RT: 11.043 min Scan# 980
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:225 Resp: 637

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.6	76.0



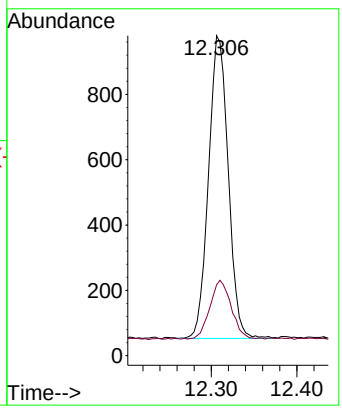


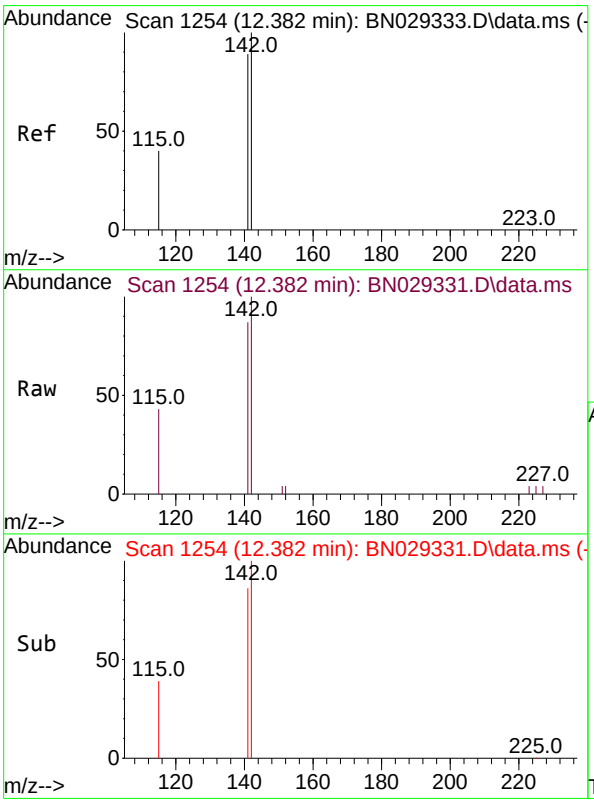
#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 12.306 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1481

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.9	25.3

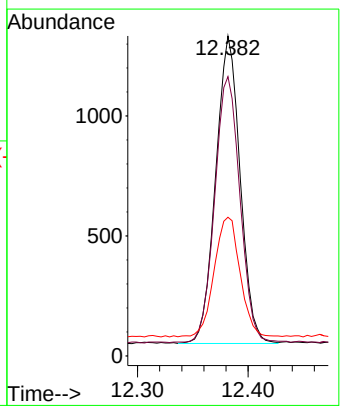


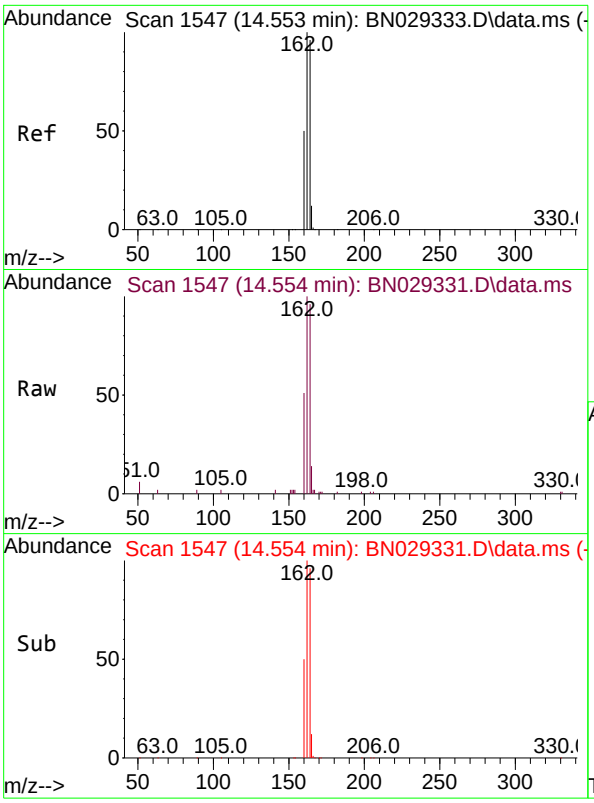


#12
2-Methylnaphthalene
Concen: 0.101 ng
RT: 12.382 min Scan# 1254
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:142 Resp: 1973

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.1	106.7
115	43.3	33.4	50.0



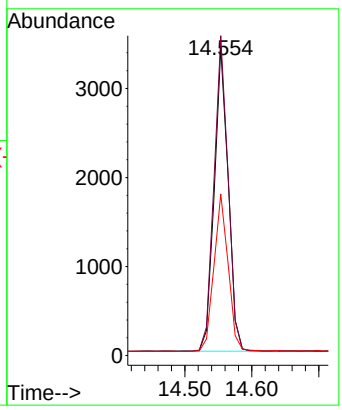


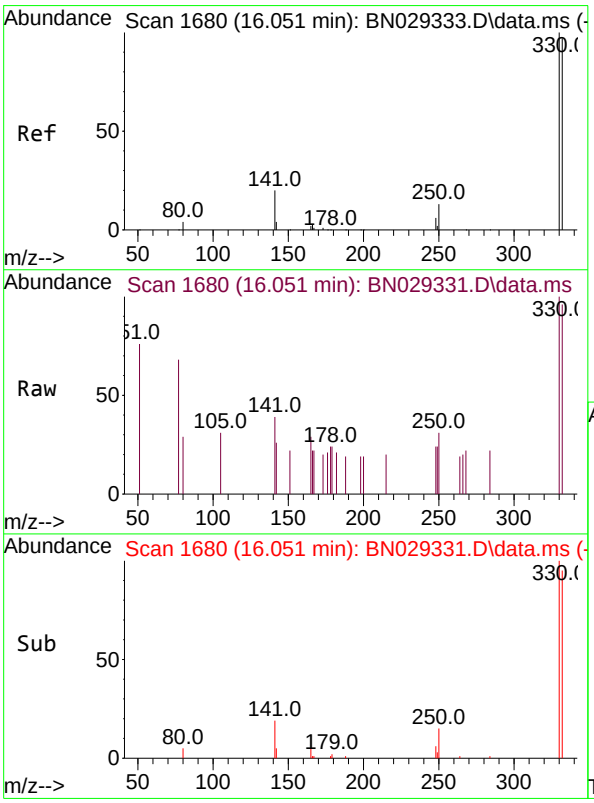
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.554 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 4935

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.5	125.3
160	52.6	42.1	63.1

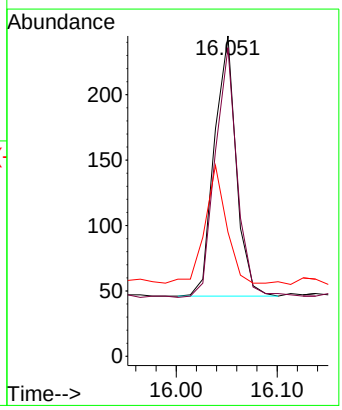


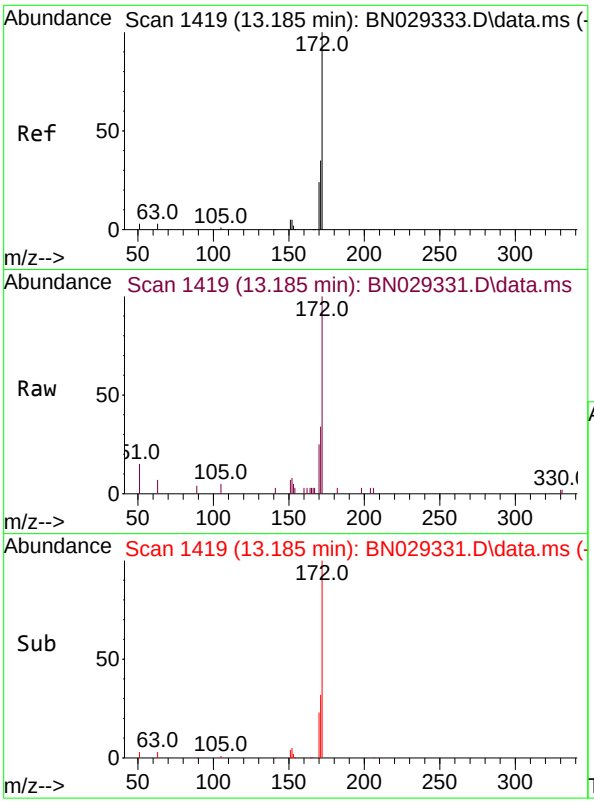


#14
2,4,6-Tribromophenol
Concen: 0.198 ng
RT: 16.051 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:330 Resp: 300

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.3	115.9
141	44.7	37.2	55.8



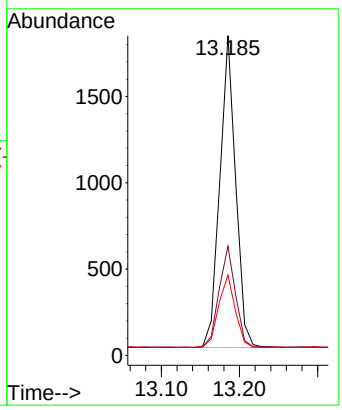


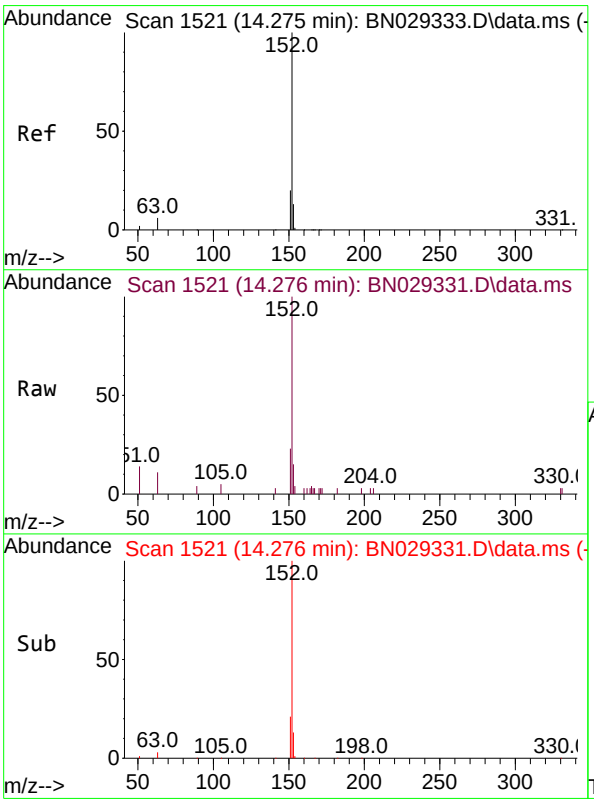
#15
2-Fluorobiphenyl
Concen: 0.111 ng
RT: 13.185 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 2555

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	25.2	19.3	28.9

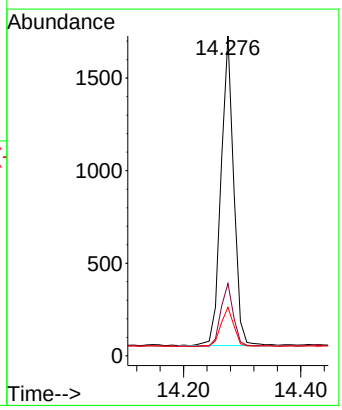


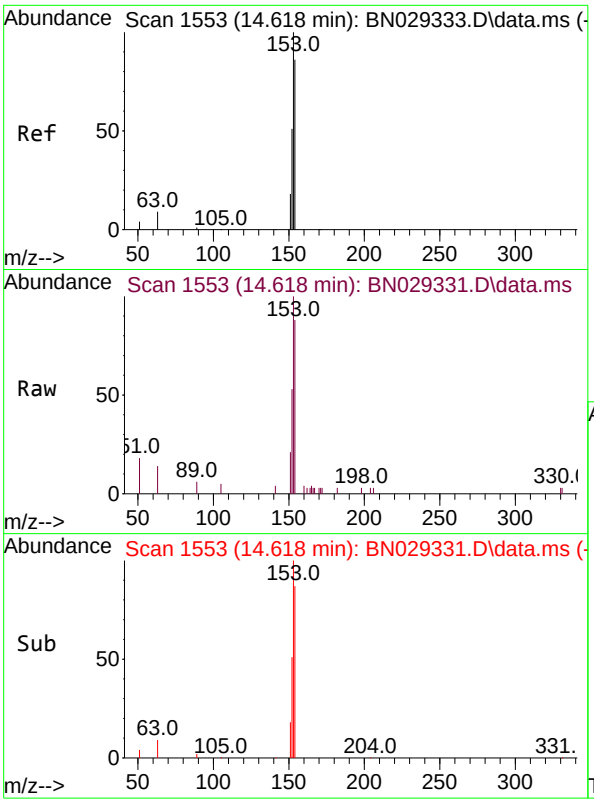


#16
Acenaphthylene
Concen: 0.100 ng
RT: 14.276 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:152 Resp: 2520

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.5	23.3
153	13.1	10.2	15.4





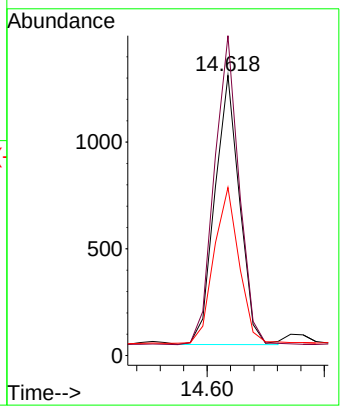
#17
Acenaphthene
Concen: 0.109 ng
RT: 14.618 min Scan# 1

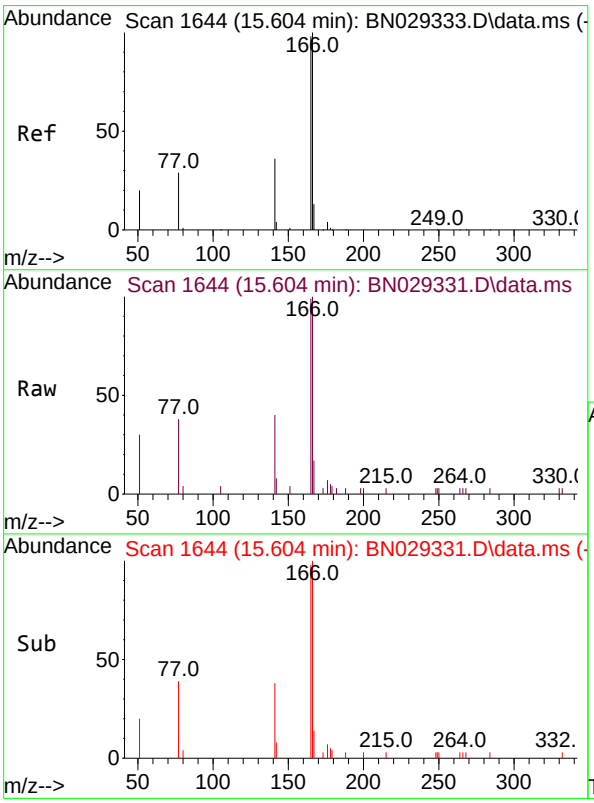
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:154 Resp: 1852

Ion	Ratio	Lower	Upper
154	100		
153	114.7	93.7	140.5
152	60.3	49.4	74.2

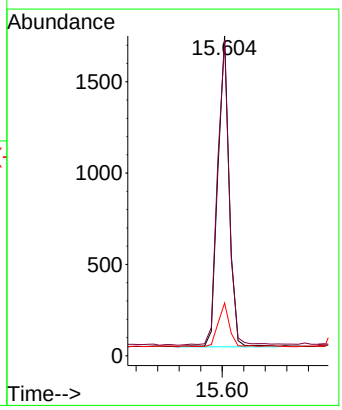


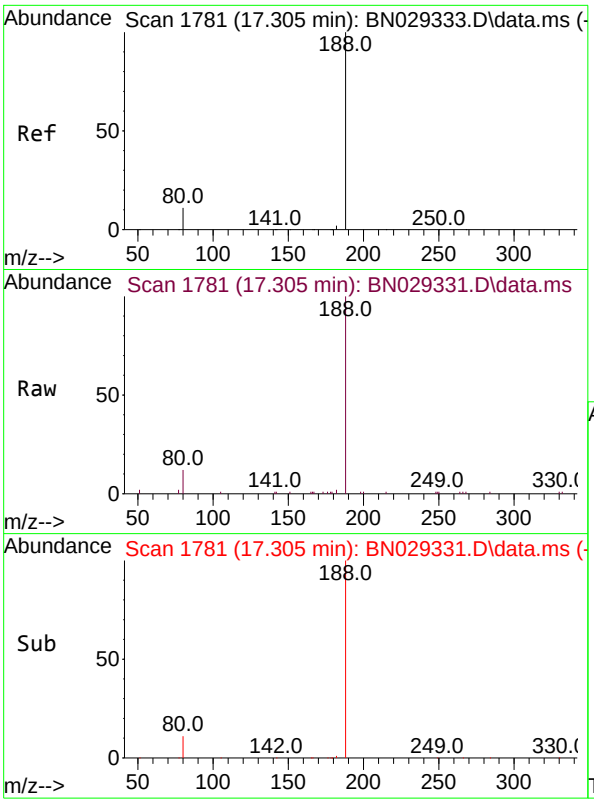


#18
Fluorene
Concen: 0.107 ng
RT: 15.604 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:166 Resp: 2488

Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.4	119.2
167	13.7	10.9	16.3



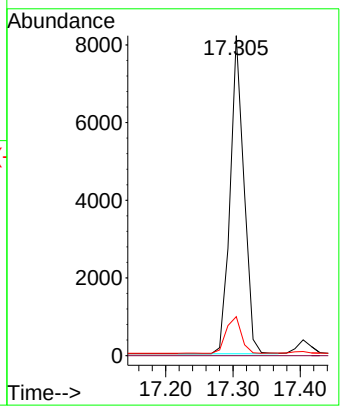


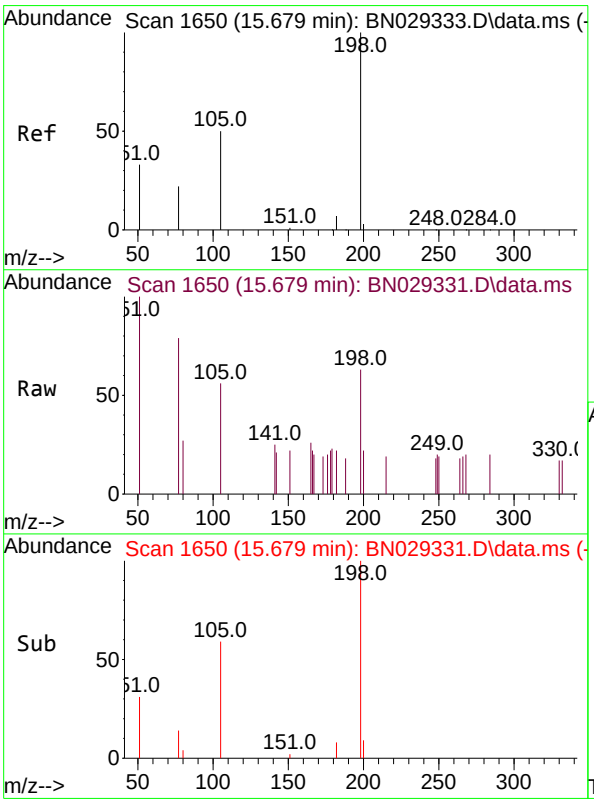
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 11635

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	9.4	14.2

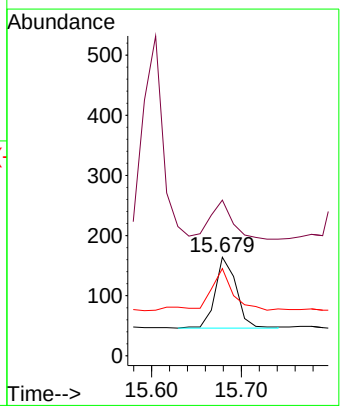


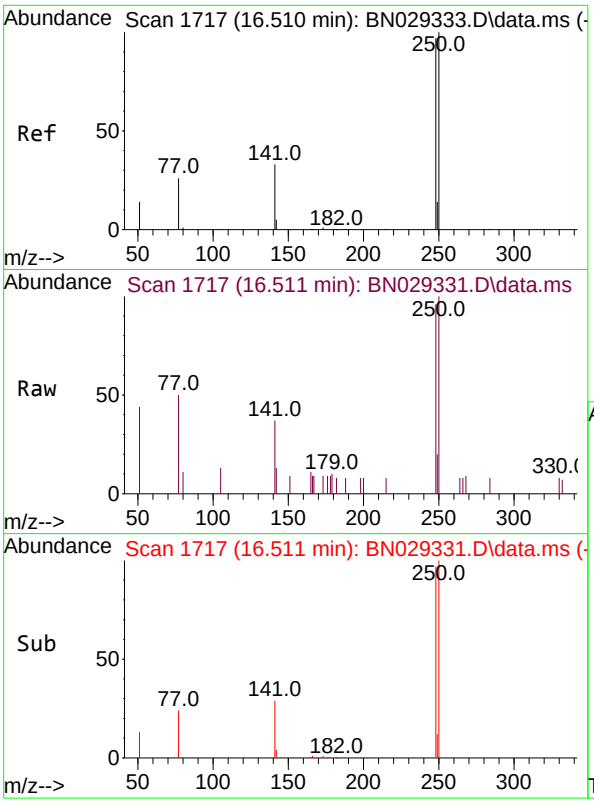


#20
4,6-Dinitro-2-methylphenol
Concen: 0.113 ng
RT: 15.679 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:198 Resp: 194

Ion	Ratio	Lower	Upper
198	100		
51	157.9	60.5	90.7#
105	88.4	48.7	73.1#



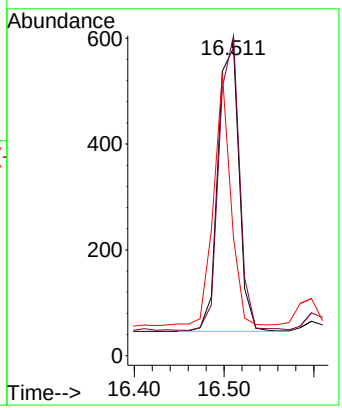


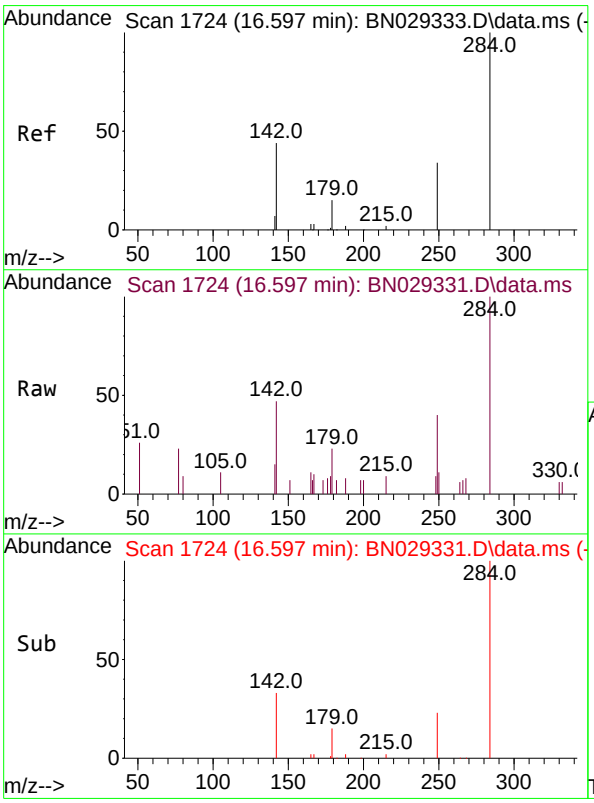
#21
4-Bromophenyl-phenylether
Concen: 0.143 ng
RT: 16.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 887

Ion	Ratio	Lower	Upper
248	100		
250	104.0	82.6	123.8
141	38.0	28.7	43.1

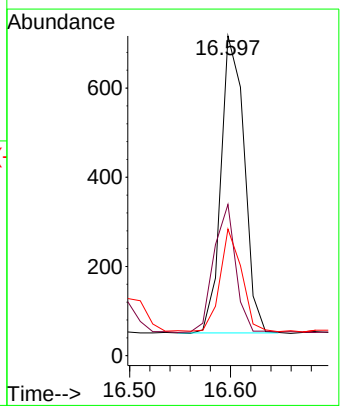


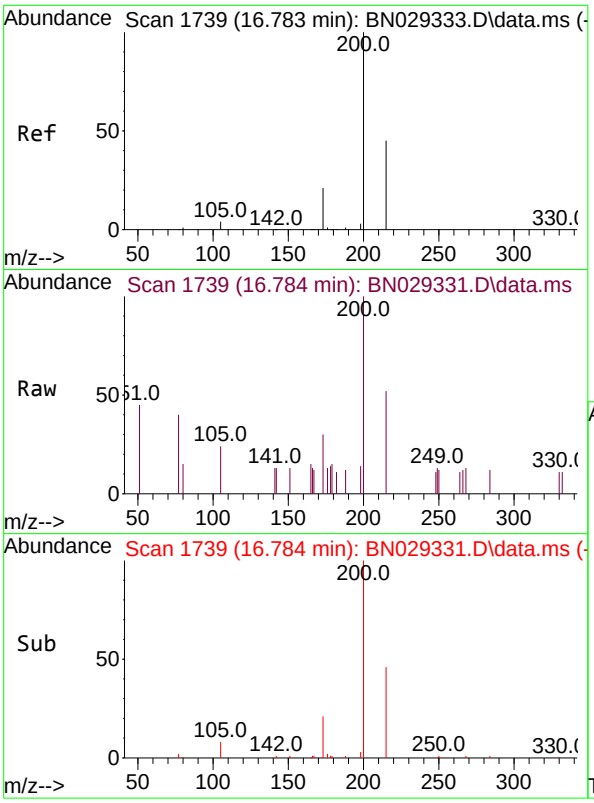


#22
Hexachlorobenzene
Concen: 0.105 ng
RT: 16.597 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:284 Resp: 1067

Ion	Ratio	Lower	Upper
284	100		
142	40.6	33.8	50.6
249	32.1	25.5	38.3



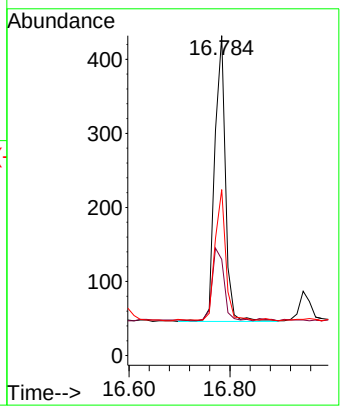


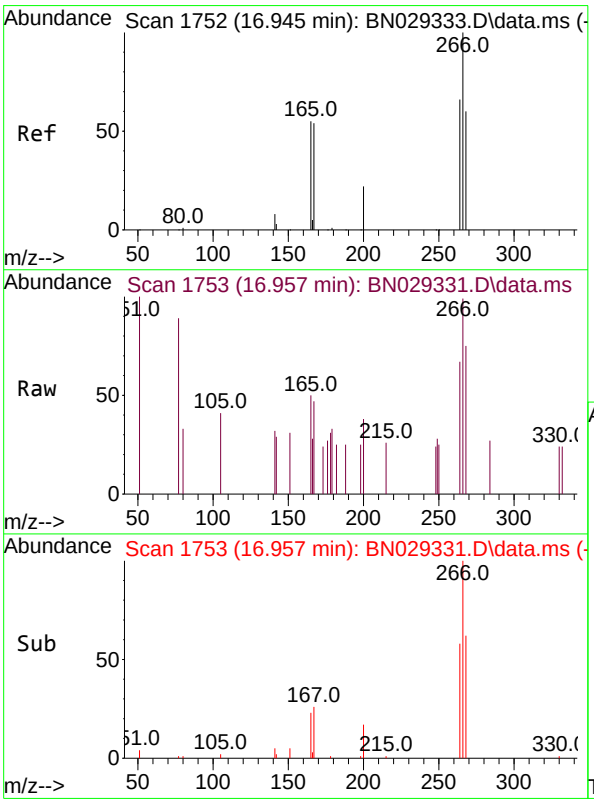
#23
Atrazine
Concen: 0.100 ng
RT: 16.784 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 571

Ion	Ratio	Lower	Upper
200	100		
173	30.1	18.6	28.0#
215	51.9	37.1	55.7

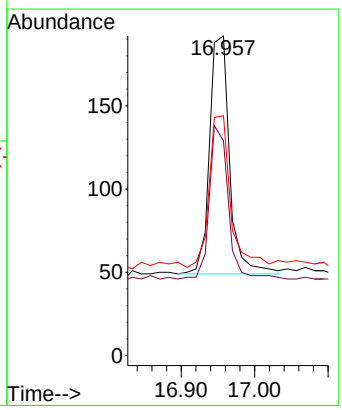


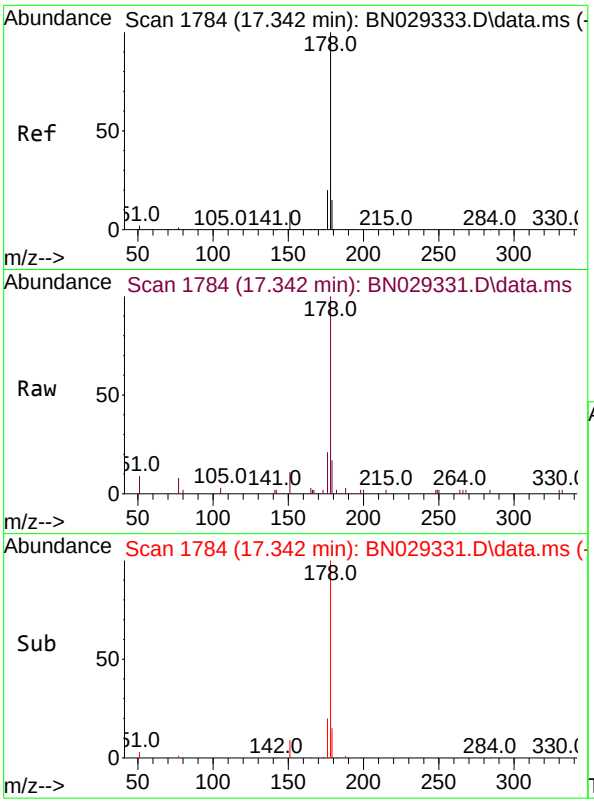


#24
Pentachlorophenol
Concen: 0.087 ng
RT: 16.957 min Scan# 1753
Delta R.T. 0.013 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:266 Resp: 273

Ion	Ratio	Lower	Upper
266	100		
264	60.1	49.8	74.8
268	69.2	48.8	73.2



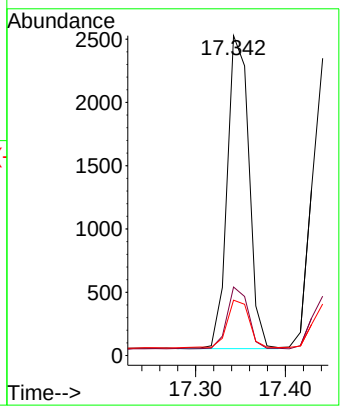


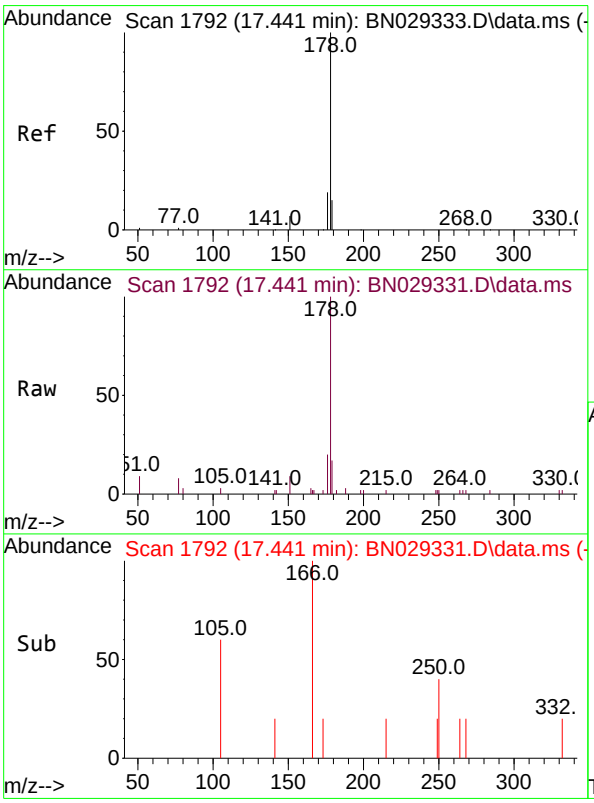
#25
Phenanthrene
Concen: 0.107 ng
RT: 17.342 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 4163

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	15.8	12.4	18.6

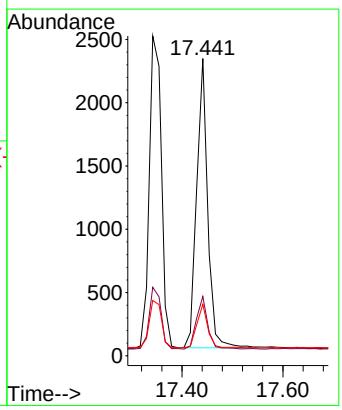


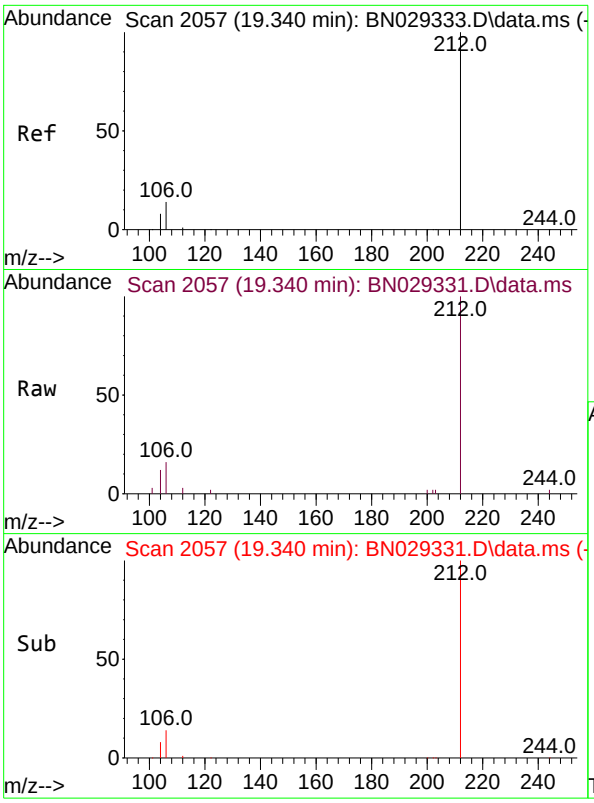


#26
Anthracene
Concen: 0.102 ng
RT: 17.441 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:178 Resp: 3465

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.5	12.1	18.1



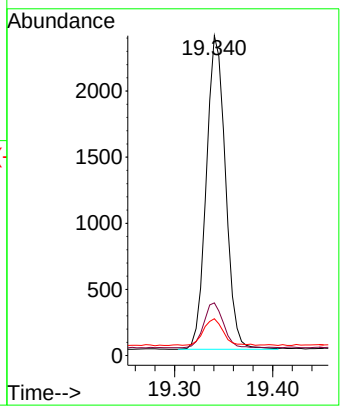


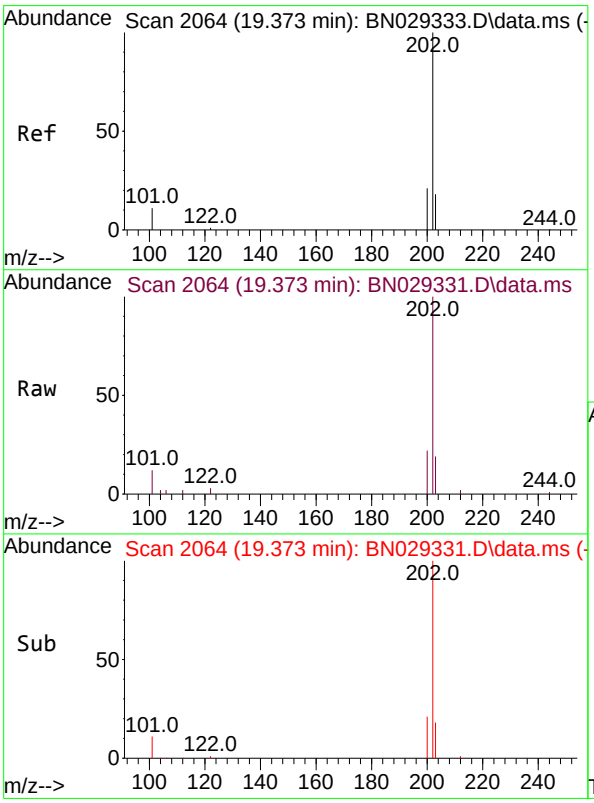
#27
Fluoranthene-d10
Concen: 0.092 ng
RT: 19.340 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 3229

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.4	17.0
104	8.7	6.8	10.2

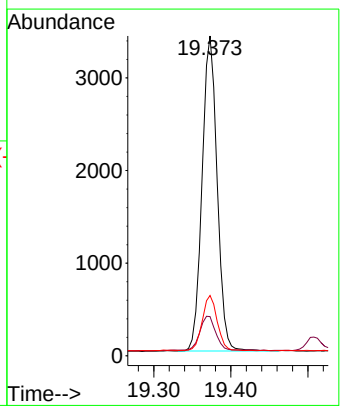


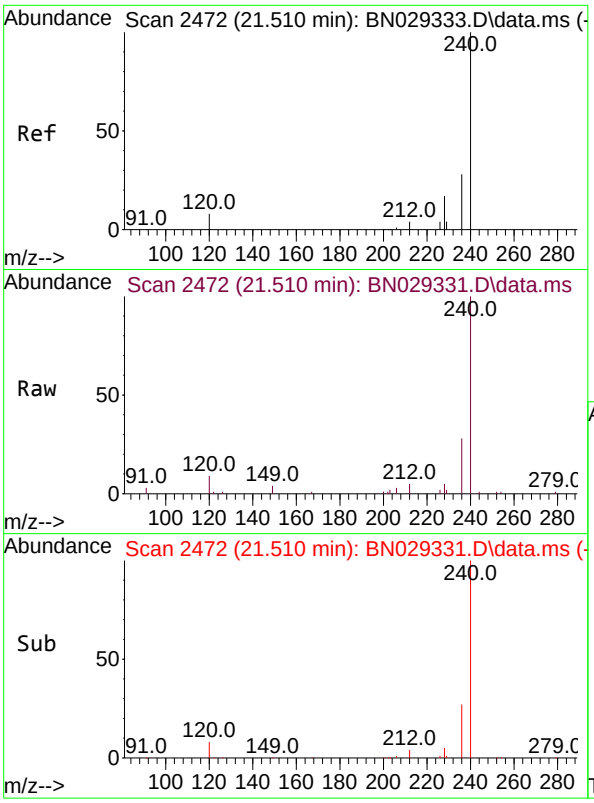


#28
Fluoranthene
Concen: 0.097 ng
RT: 19.373 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:202 Resp: 4603

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.0	13.4
203	17.2	13.8	20.8



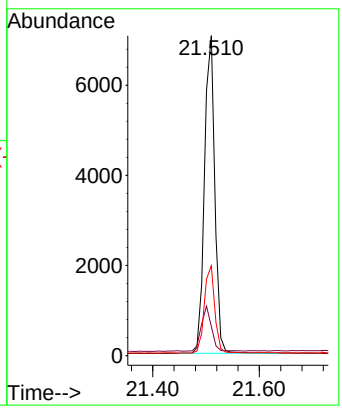


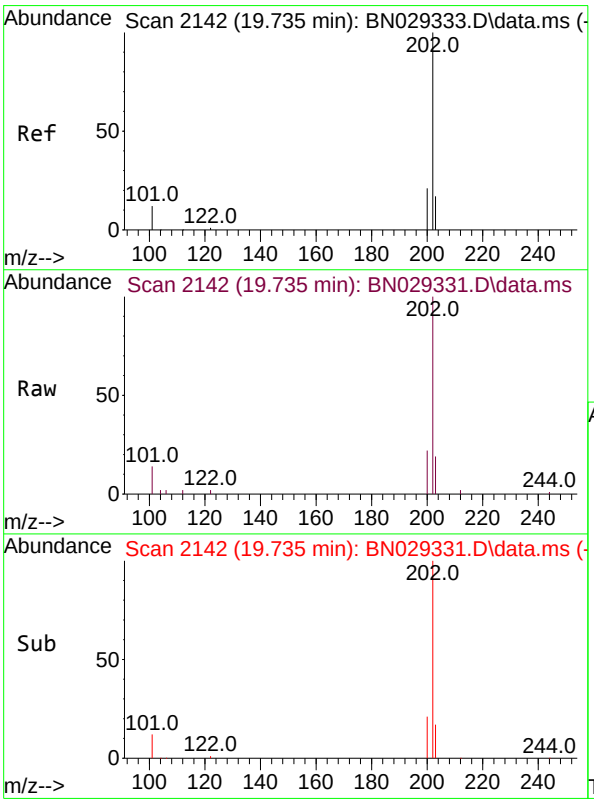
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.510 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 9537

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	28.1	23.0	34.4

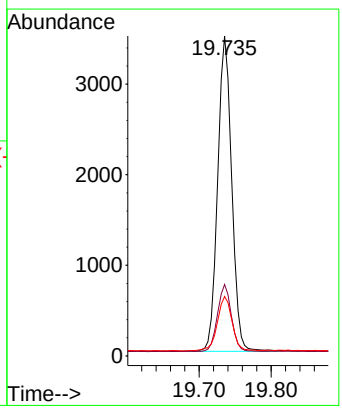


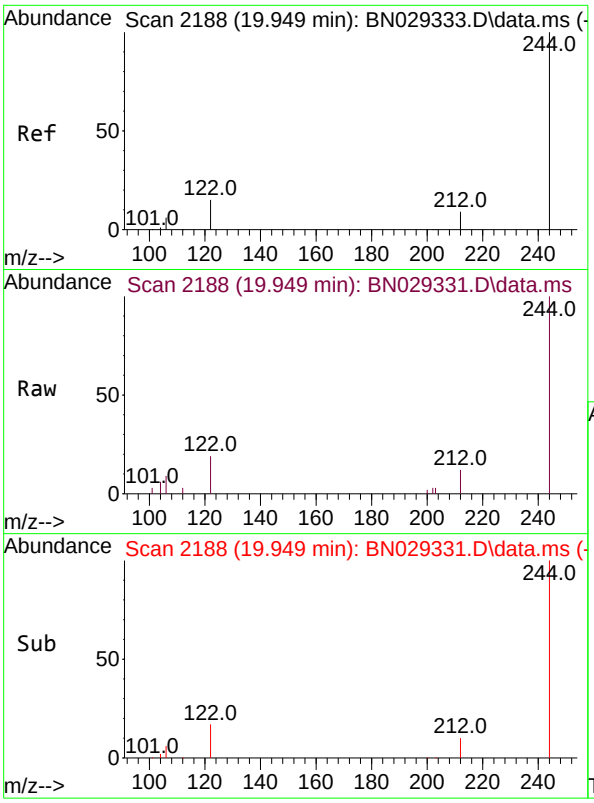


#30
Pyrene
Concen: 0.117 ng
RT: 19.735 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:202 Resp: 4704

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	18.0	14.1	21.1



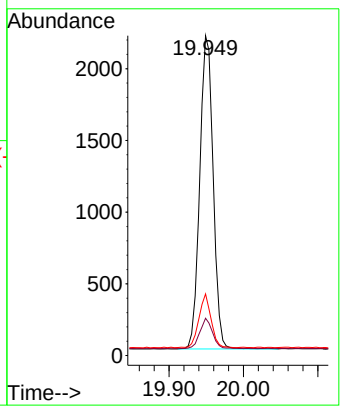


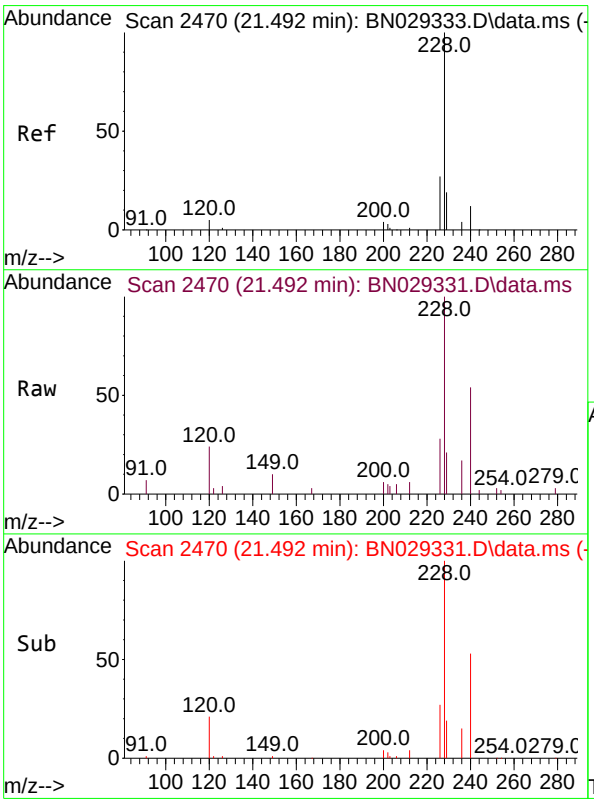
#31
Terphenyl-d14
Concen: 0.114 ng
RT: 19.949 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2734

Ion	Ratio	Lower	Upper
244	100		
212	11.7	7.6	11.4#
122	19.3	12.8	19.2#

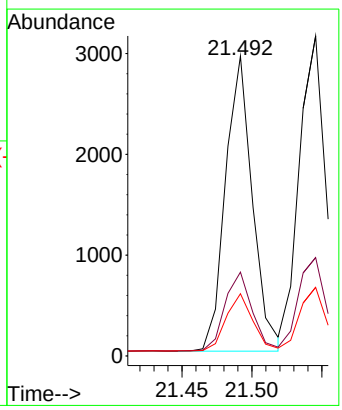


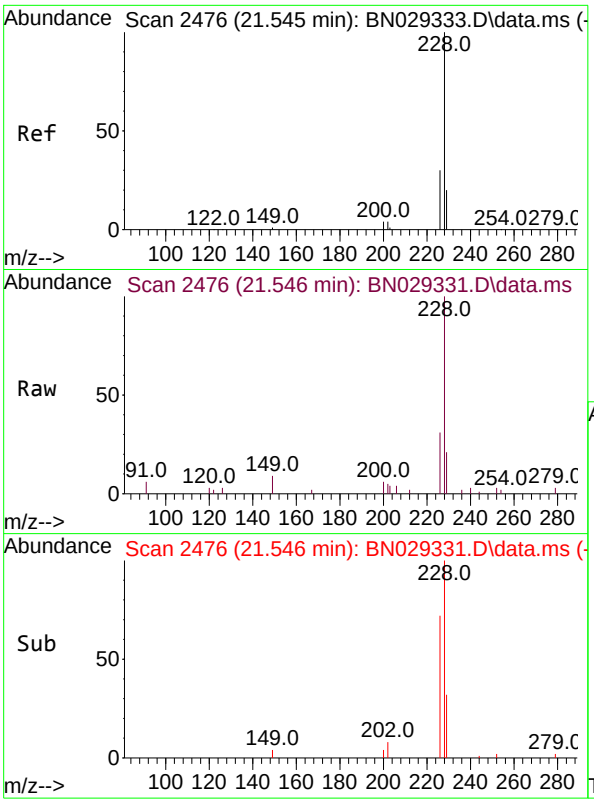


#32
Benzo(a)anthracene
Concen: 0.107 ng
RT: 21.492 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:228 Resp: 3925

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.0	33.0
229	20.8	15.6	23.4



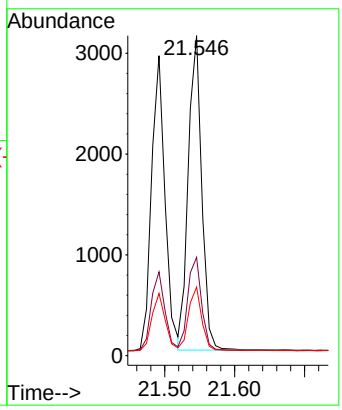


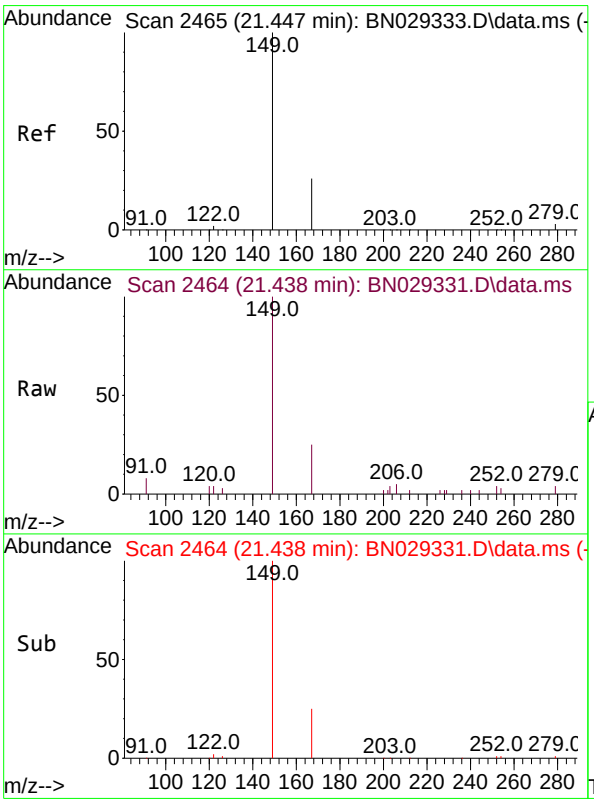
#33
Chrysene
Concen: 0.106 ng
RT: 21.546 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 4179

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	21.4	16.1	24.1

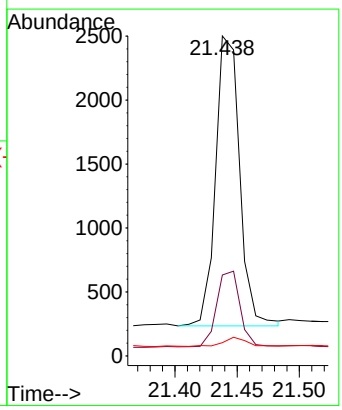


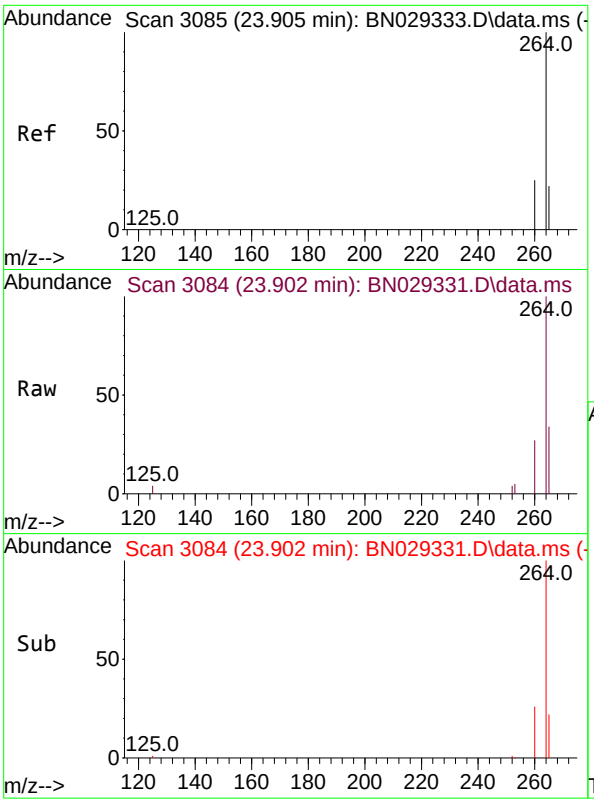


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.184 ng
RT: 21.438 min Scan# 2464
Delta R.T. -0.009 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:149 Resp: 3051

Ion	Ratio	Lower	Upper
149	100		
167	26.3	19.9	29.9
279	3.3	2.2	3.4



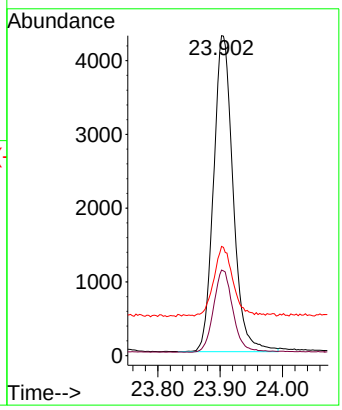


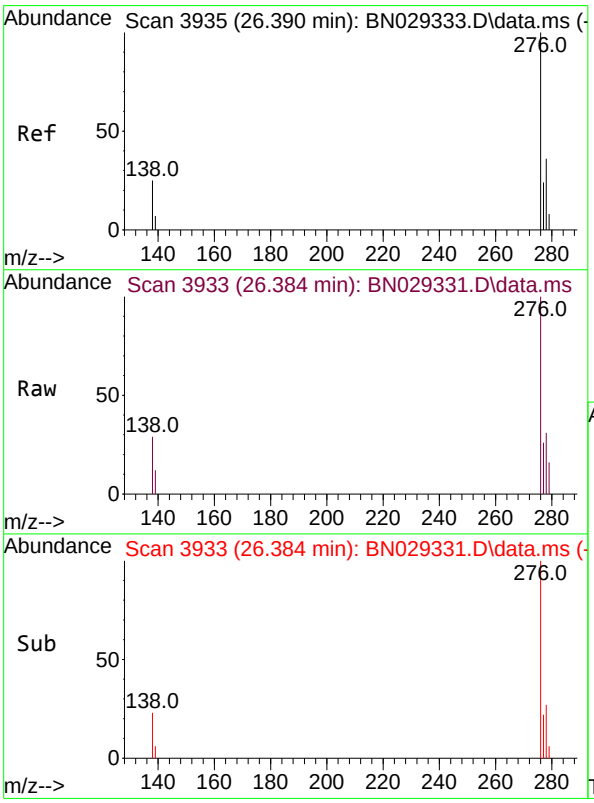
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.902 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 9310

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.6	31.0
265	34.1	24.8	37.2

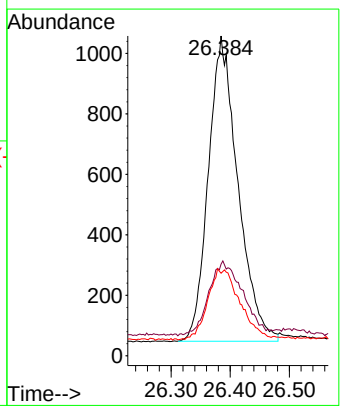


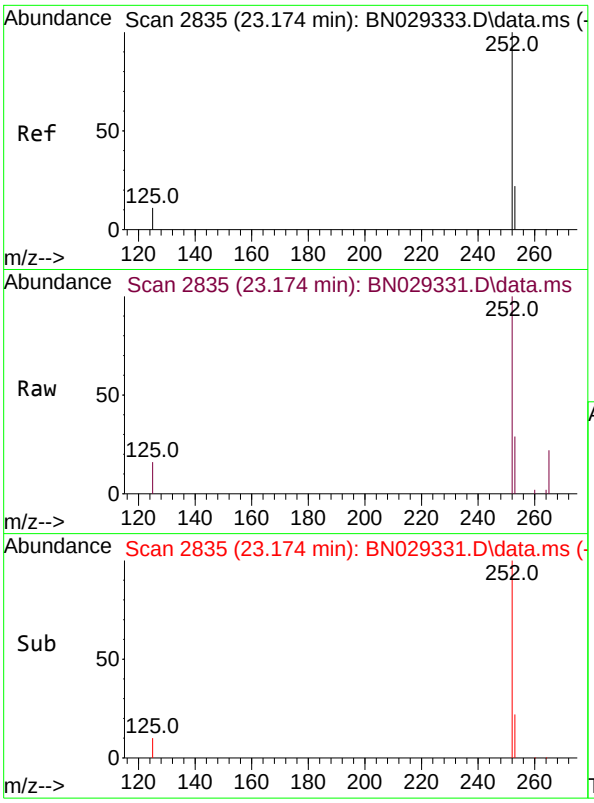


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.084 ng
RT: 26.384 min Scan# 3933
Delta R.T. -0.006 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:276 Resp: 3500

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.9	32.9
277	10.9	19.9	29.9#



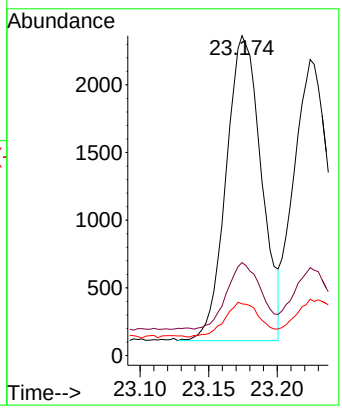


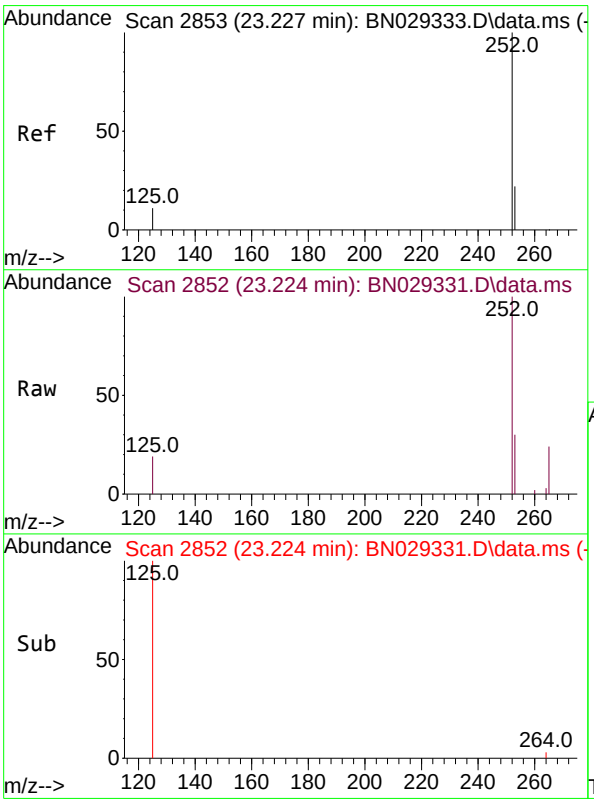
#37
Benzo(b)fluoranthene
Concen: 0.103 ng
RT: 23.174 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 4031

Ion	Ratio	Lower	Upper
252	100		
253	29.1	18.7	28.1#
125	16.2	9.7	14.5#

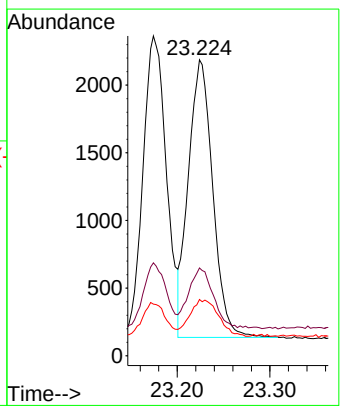


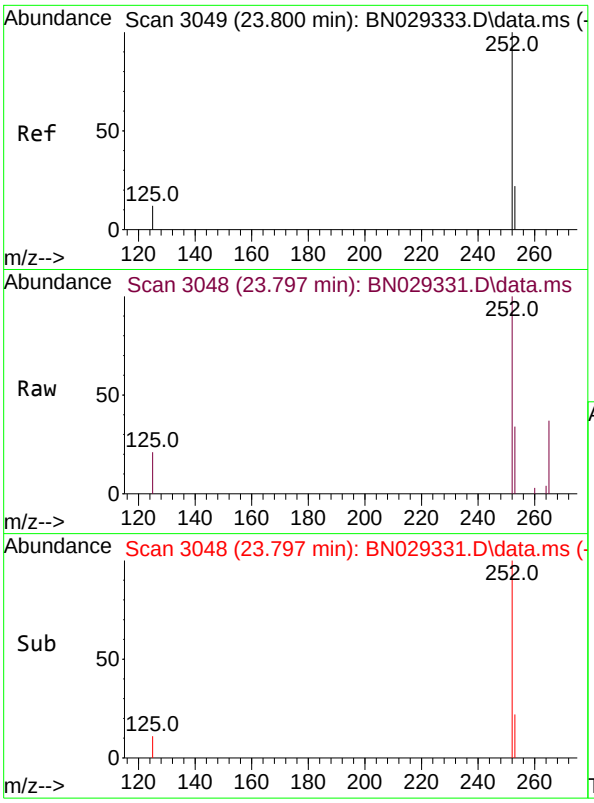


#38
Benzo(k)fluoranthene
Concen: 0.098 ng
RT: 23.224 min Scan# 2852
Delta R.T. -0.003 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:252 Resp: 3752

Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.8	28.2#
125	19.1	9.7	14.5#



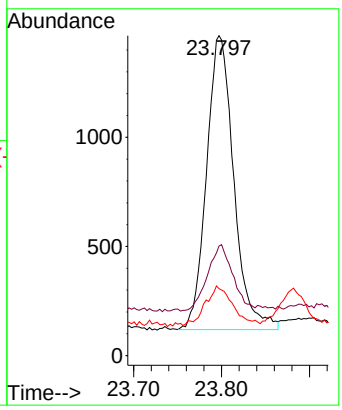


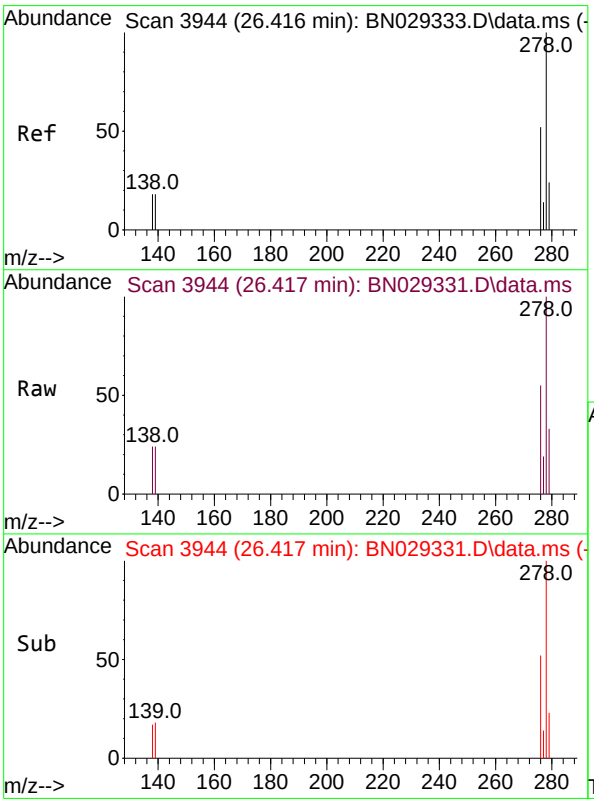
#39
Benzo(a)pyrene
Concen: 0.092 ng
RT: 23.797 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 2906

Ion	Ratio	Lower	Upper
252	100		
253	34.2	19.6	29.4#
125	20.9	11.6	17.4#

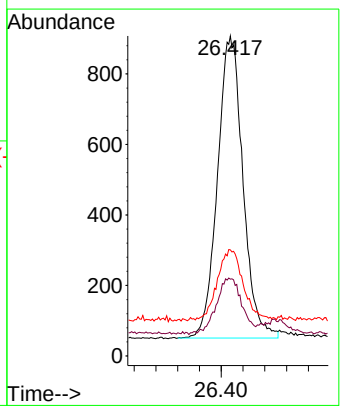


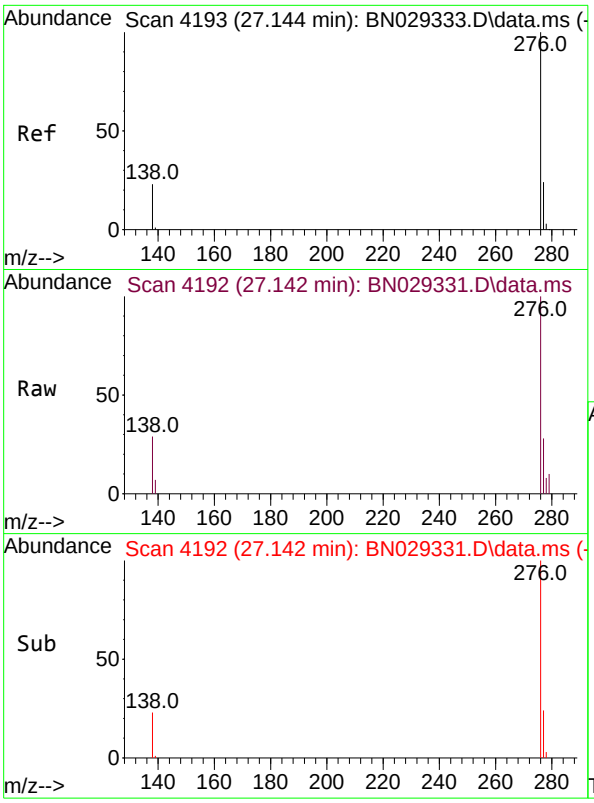


#40
Dibenzo(a,h)anthracene
Concen: 0.083 ng
RT: 26.417 min Scan# 3944
Delta R.T. 0.000 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Tgt Ion:278 Resp: 2773

Ion	Ratio	Lower	Upper
278	100		
139	24.0	15.7	23.5#
279	33.1	20.5	30.7#





#41
Benzo(g,h,i)perylene
Concen: 0.090 ng
RT: 27.142 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN029331.D
Acq: 22 Jan 2024 14:48

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 3204

Ion	Ratio	Lower	Upper
276	100		
277	28.0	19.8	29.8
138	28.8	19.5	29.3