Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031424\
Data File : BN030391.D
Acq On : 14 Mar 2024 11:08
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 14 11:37:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:36:29 2024
Response via : Initial Calibration

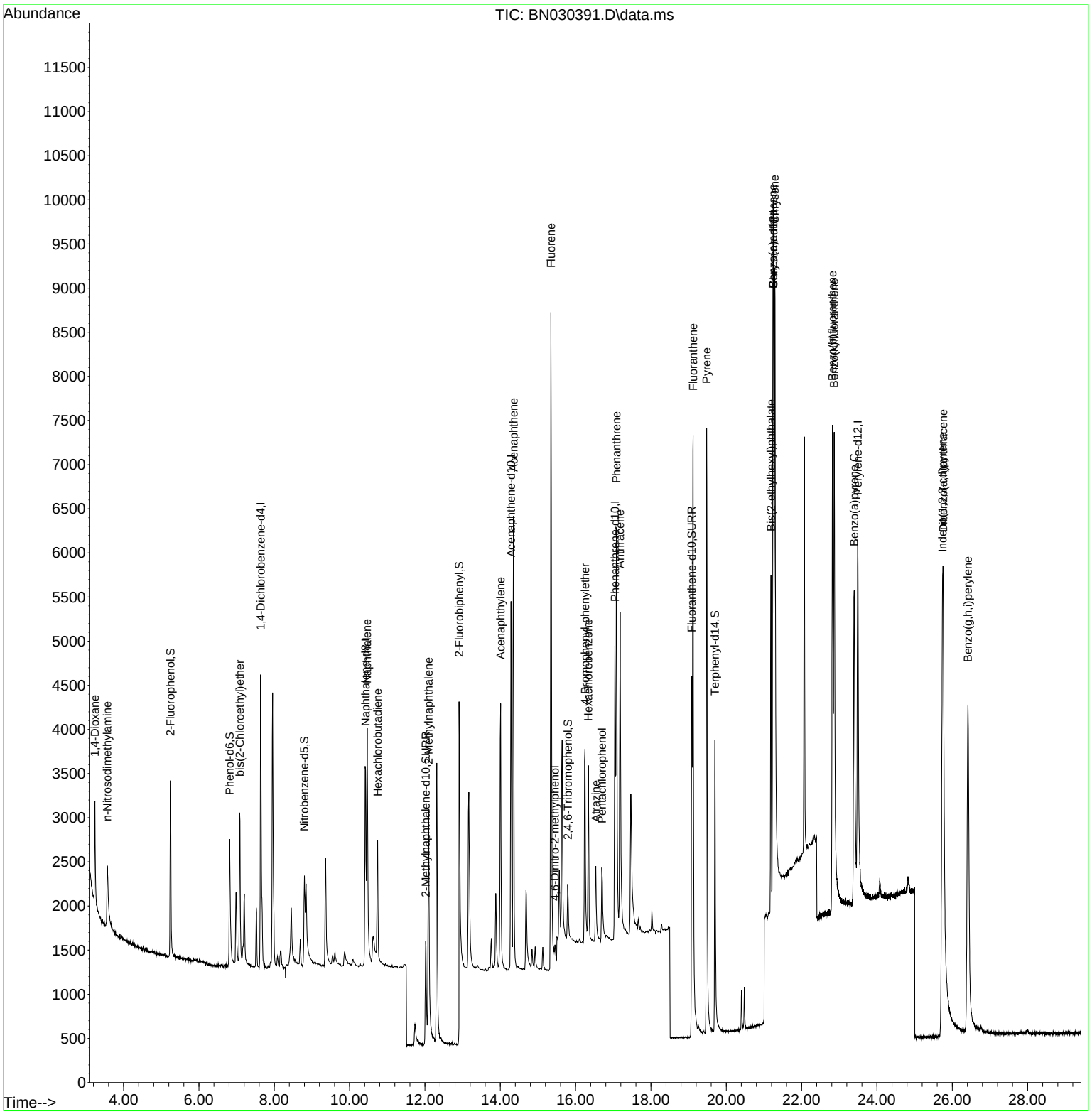
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.638	152	1747	0.400	ng		0.00
7) Naphthalene-d8	10.424	136	4165	0.400	ng	#	0.00
13) Acenaphthene-d10	14.287	164	2533	0.400	ng		0.00
19) Phenanthrene-d10	17.044	188	5716	0.400	ng		0.00
29) Chrysene-d12	21.250	240	5711	0.400	ng	#	0.00
35) Perylene-d12	23.490	264	6729	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.247	112	1682	0.370	ng		0.00
5) Phenol-d6	6.814	99	1607	0.362	ng		0.00
8) Nitrobenzene-d5	8.801	82	1345	0.352	ng		0.00
11) 2-Methylnaphthalene-d10	12.023	152	2408	0.372	ng		0.00
14) 2,4,6-Tribromophenol	15.791	330	506	0.343	ng		0.00
15) 2-Fluorobiphenyl	12.908	172	2817	0.276	ng		0.00
27) Fluoranthene-d10	19.085	212	6371	0.384	ng		0.00
31) Terphenyl-d14	19.698	244	4812	0.371	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	893	0.368	ng		96
3) n-Nitrosodimethylamine	3.564	42	805	0.362	ng	#	94
6) bis(2-Chloroethyl)ether	7.089	93	1446	0.406	ng		95
9) Naphthalene	10.466	128	4204	0.378	ng		98
10) Hexachlorobutadiene	10.744	225	1289	0.374	ng	#	100
12) 2-Methylnaphthalene	12.095	142	2727	0.380	ng		96
16) Acenaphthylene	14.009	152	4069	0.367	ng		100
17) Acenaphthene	14.351	154	2743	0.378	ng		99
18) Fluorene	15.345	166	3751	0.417	ng		100
20) 4,6-Dinitro-2-methylph...	15.452	198	323	0.404	ng	#	72
21) 4-Bromophenyl-phenylether	16.250	248	1252	0.371	ng		96
22) Hexachlorobenzene	16.337	284	1516	0.376	ng		97
23) Atrazine	16.536	200	1062	0.350	ng		96
24) Pentachlorophenol	16.697	266	670	0.318	ng		98
25) Phenanthrene	17.082	178	5752	0.378	ng		100
26) Anthracene	17.181	178	5196	0.373	ng		99
28) Fluoranthene	19.118	202	7702	0.375	ng		99
30) Pyrene	19.480	202	8076	0.379	ng		100
32) Benzo(a)anthracene	21.241	228	6985	0.368	ng		100
33) Chrysene	21.286	228	7904	0.377	ng		99
34) Bis(2-ethylhexyl)phtha...	21.188	149	3640	0.367	ng		98
36) Indeno(1,2,3-cd)pyrene	25.739	276	10450	0.365	ng	#	92
37) Benzo(b)fluoranthene	22.821	252	7766	0.354	ng		98
38) Benzo(k)fluoranthene	22.865	252	8288	0.373	ng		99
39) Benzo(a)pyrene	23.397	252	7634	0.375	ng		98
40) Dibenzo(a,h)anthracene	25.756	278	8201	0.362	ng		97
41) Benzo(g,h,i)perylene	26.414	276	9894	0.370	ng		99

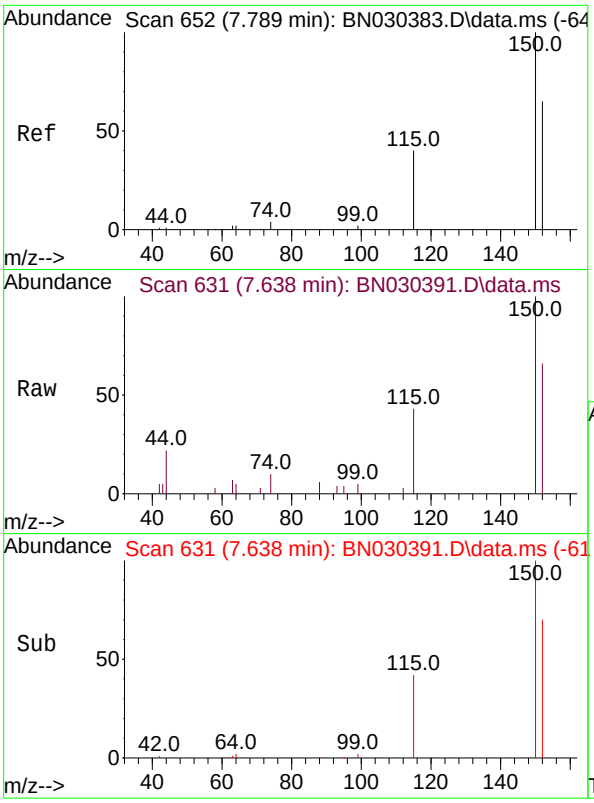
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031424\
Data File : BN030391.D
Acq On : 14 Mar 2024 11:08
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 14 11:37:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:36:29 2024
Response via : Initial Calibration



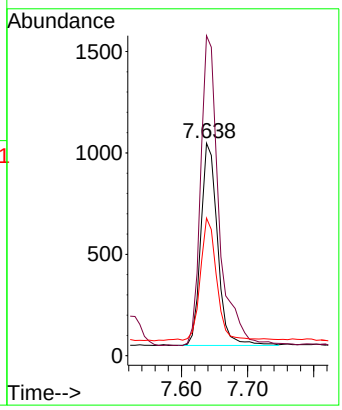


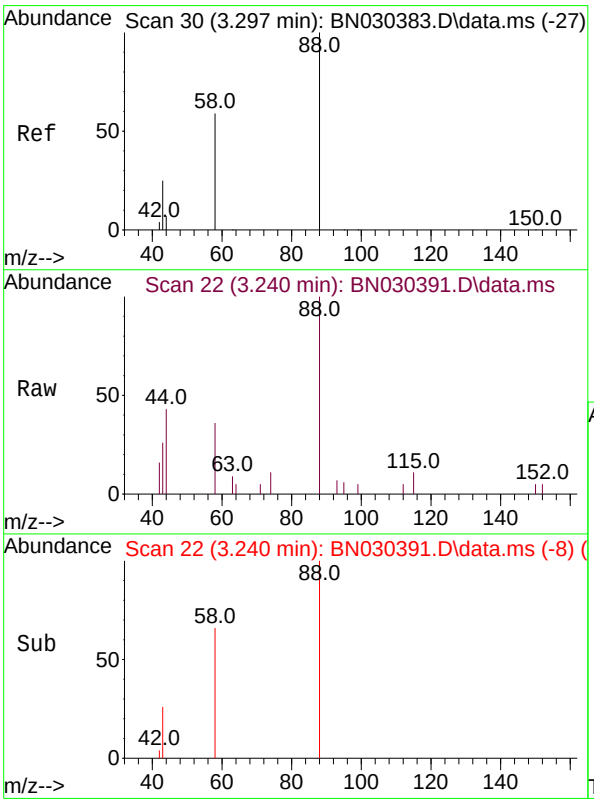
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.638 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1747

Ion	Ratio	Lower	Upper
152	100		
150	150.6	120.4	180.6
115	64.8	52.8	79.2

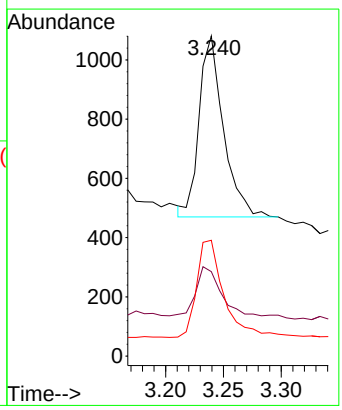


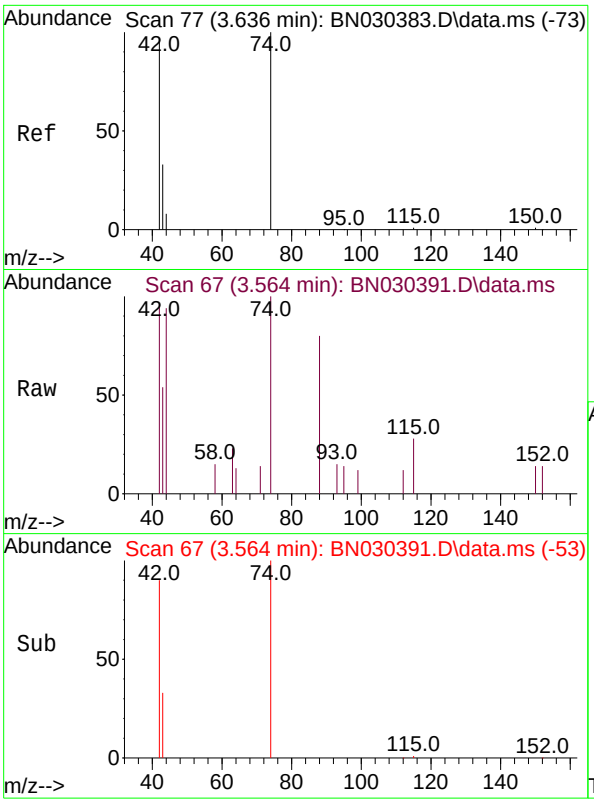


#2
1,4-Dioxane
Concen: 0.368 ng
RT: 3.240 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion: 88 Resp: 893

Ion	Ratio	Lower	Upper
88	100		
43	27.0	23.4	35.0
58	60.2	46.1	69.1



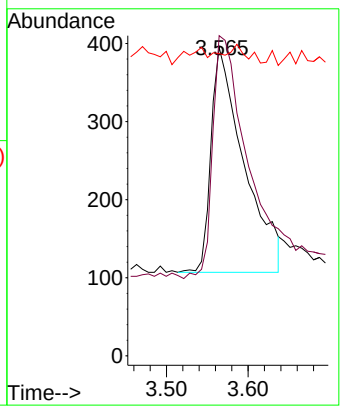


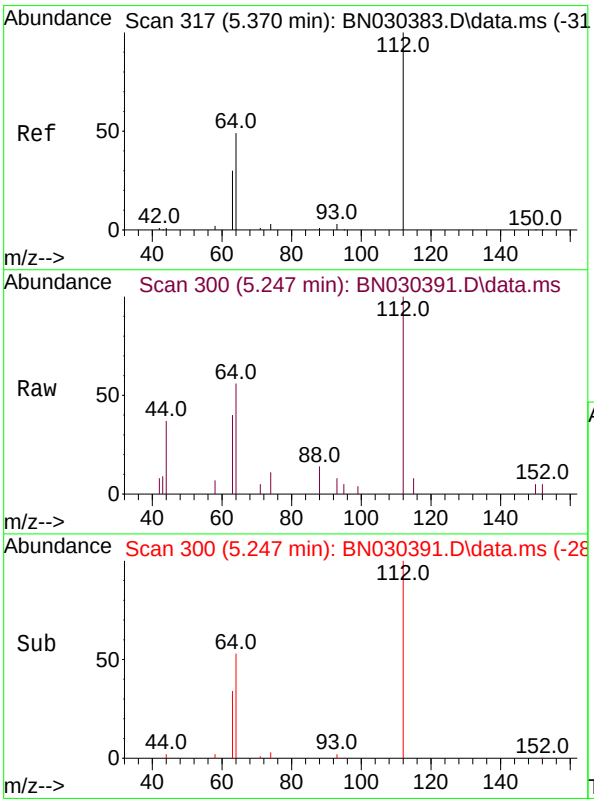
#3
n-Nitrosodimethylamine
Concen: 0.362 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 805

Ion	Ratio	Lower	Upper
42	100		
74	114.0	95.4	143.0
44	0.0	6.6	10.0#

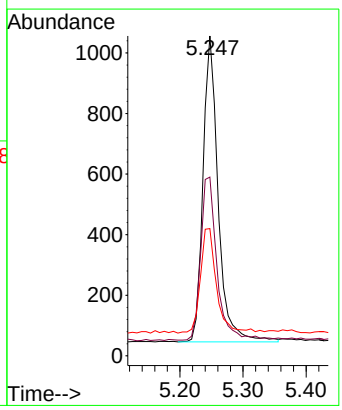


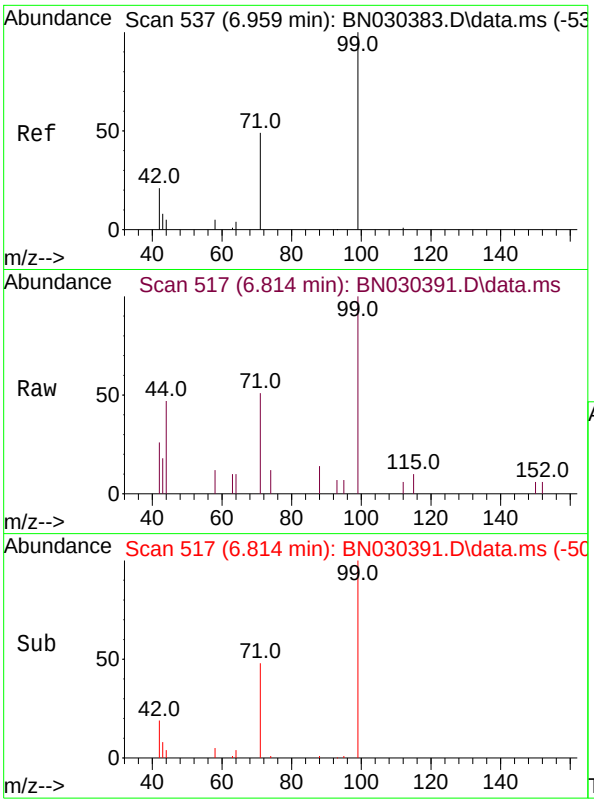


#4
2-Fluorophenol
Concen: 0.370 ng
RT: 5.247 min Scan# 300
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:112 Resp: 1682

Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.6	68.4
63	36.8	28.2	42.4



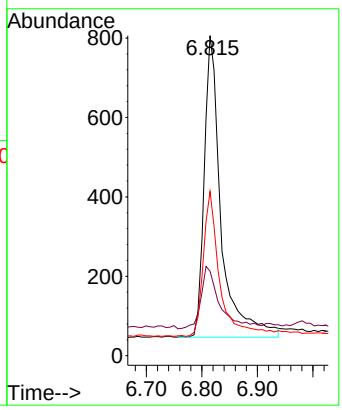


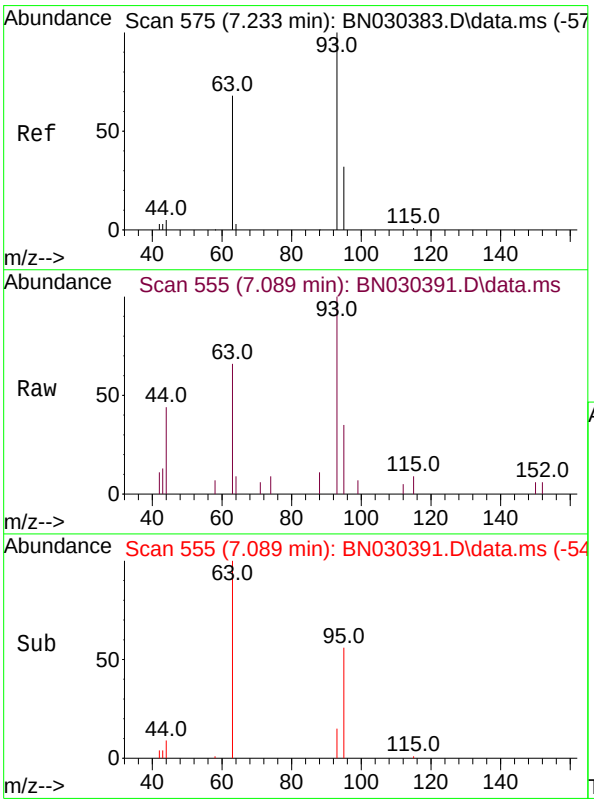
#5
Phenol-d6
Concen: 0.362 ng
RT: 6.814 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1607

Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.0	25.6
71	46.9	37.0	55.6

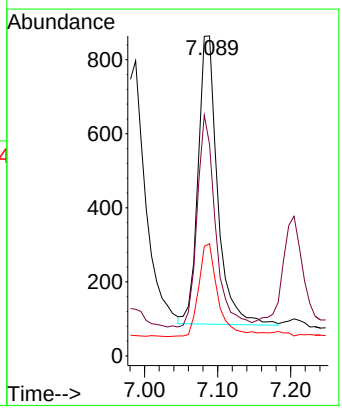


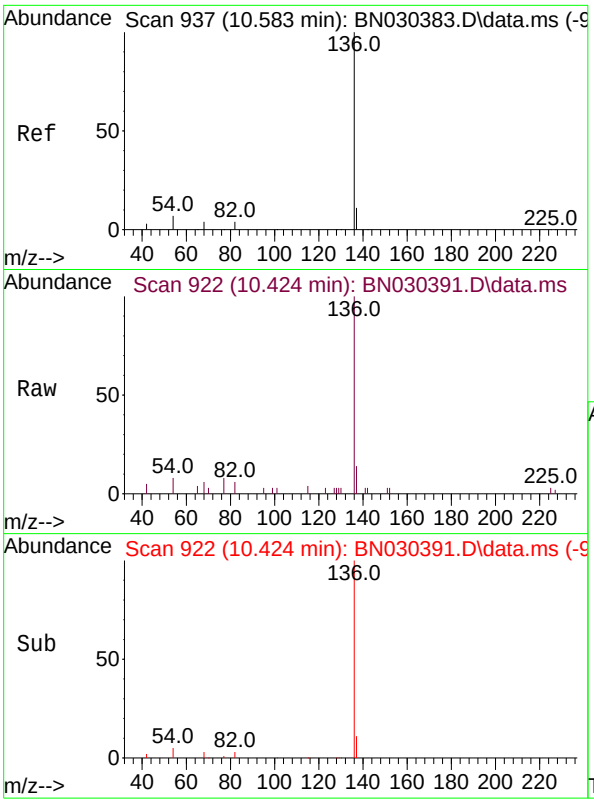


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 7.089 min Scan# 555
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion: 93 Resp: 1446

Ion	Ratio	Lower	Upper
93	100		
63	68.9	58.9	88.3
95	32.7	27.3	40.9



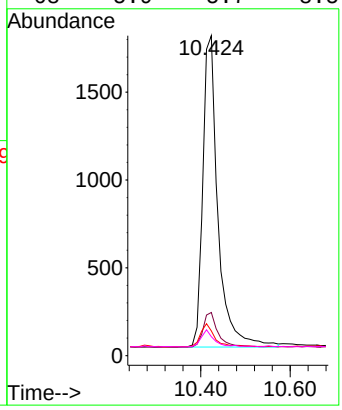


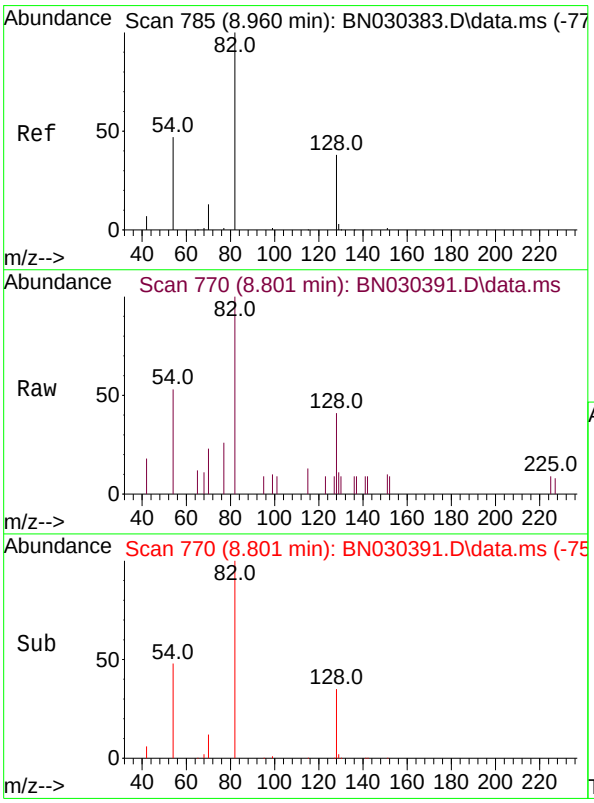
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.424 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 4165

Ion	Ratio	Lower	Upper
136	100		
137	13.5	11.0	16.6
54	7.7	7.8	11.8#
68	5.9	5.7	8.5

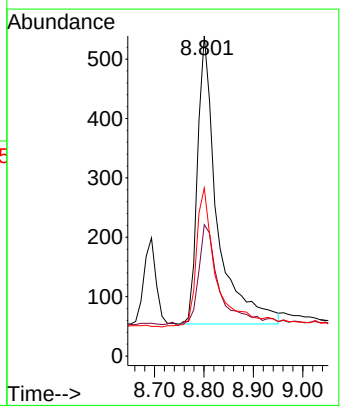


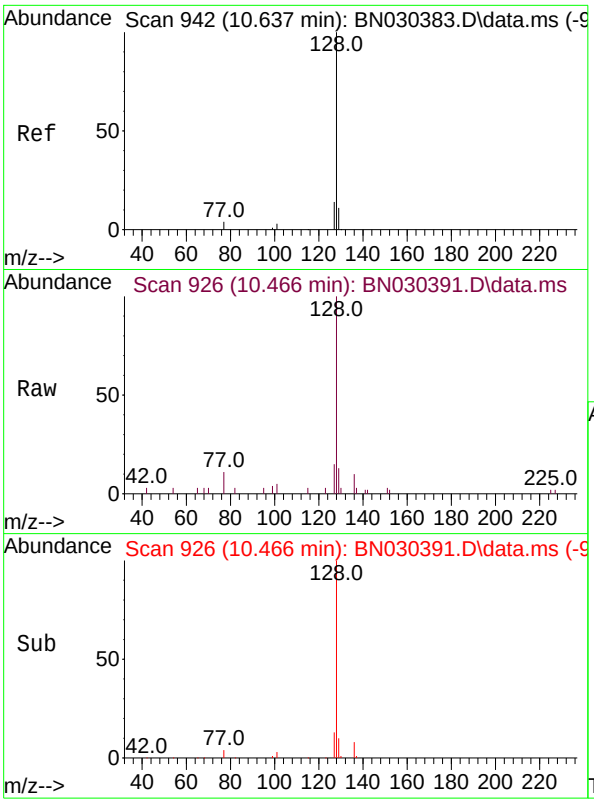


#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 8.801 min Scan# 770
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion: 82 Resp: 1345

Ion	Ratio	Lower	Upper
82	100		
128	41.0	35.2	52.8
54	52.5	41.5	62.3



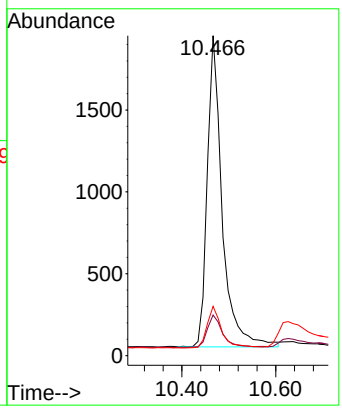


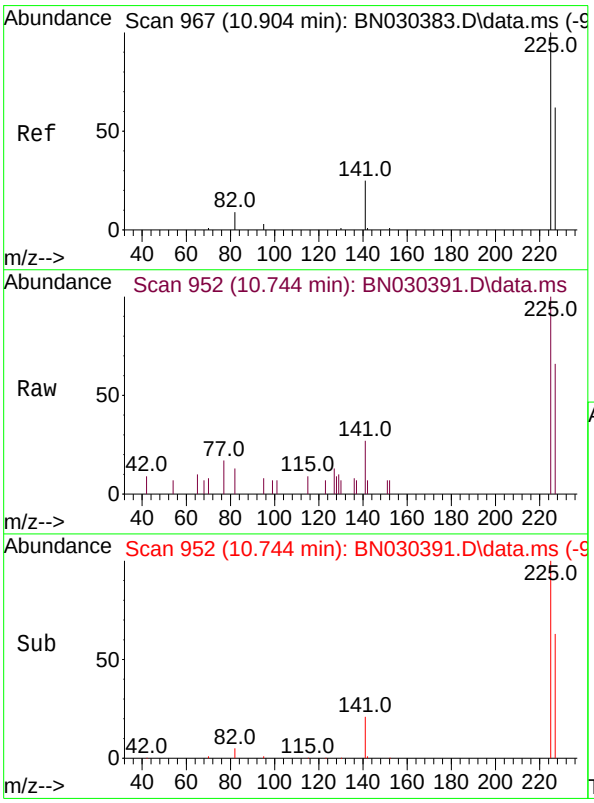
#9
Naphthalene
Concen: 0.378 ng
RT: 10.466 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 4204

Ion	Ratio	Lower	Upper
128	100		
129	12.7	10.8	16.2
127	15.4	12.9	19.3

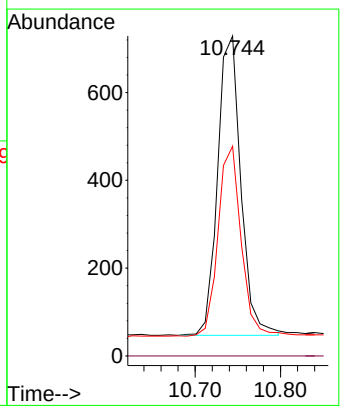


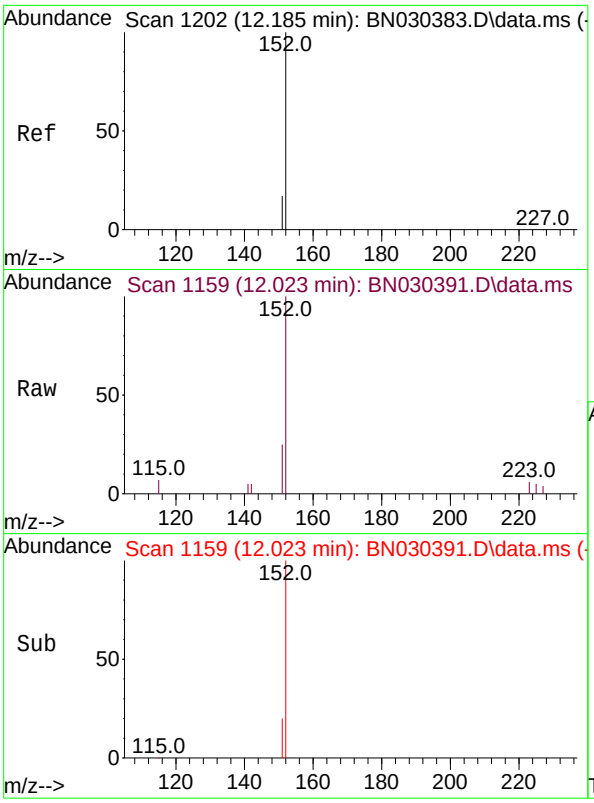


#10
Hexachlorobutadiene
Concen: 0.374 ng
RT: 10.744 min Scan# 952
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:225 Resp: 1289

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.9	50.5	75.7



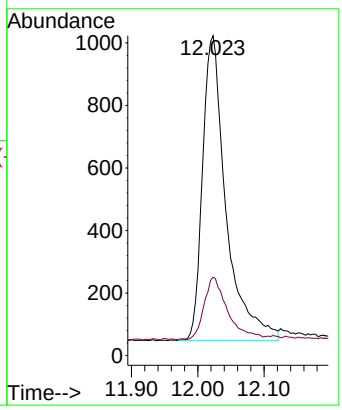


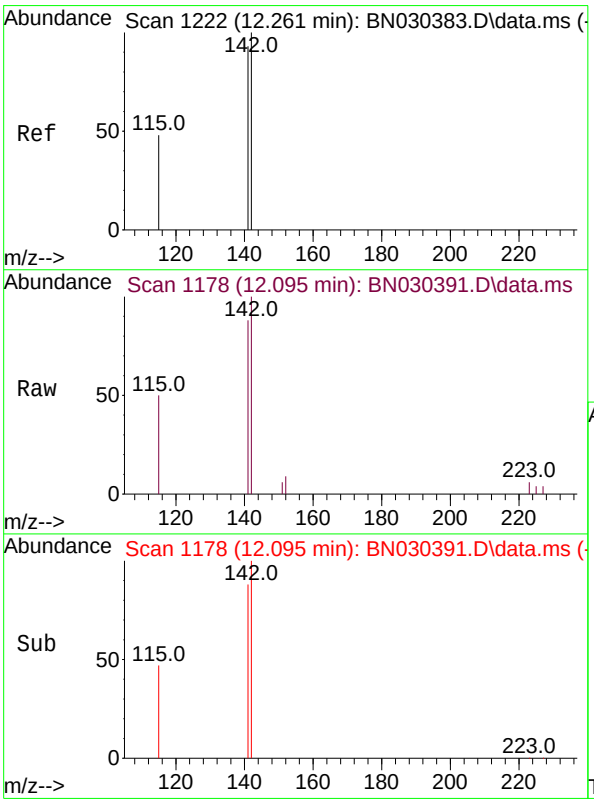
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.023 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2408

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8

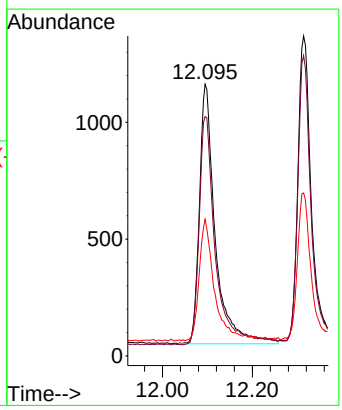


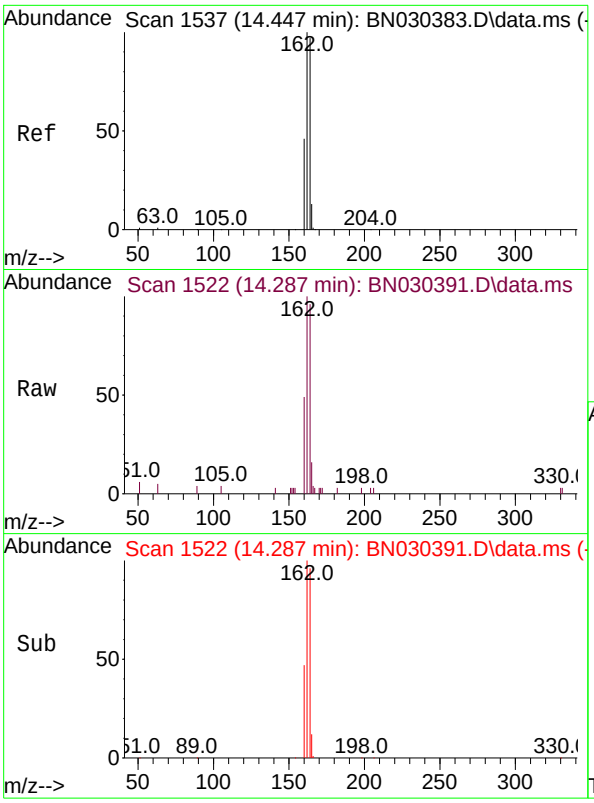


#12
2-Methylnaphthalene
Concen: 0.380 ng
RT: 12.095 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:142 Resp: 2727

Ion	Ratio	Lower	Upper
142	100		
141	88.1	74.2	111.4
115	50.3	41.4	62.0





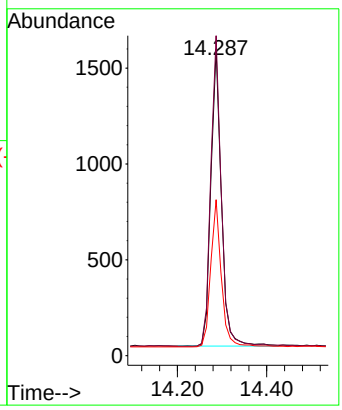
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.287 min Scan# 1

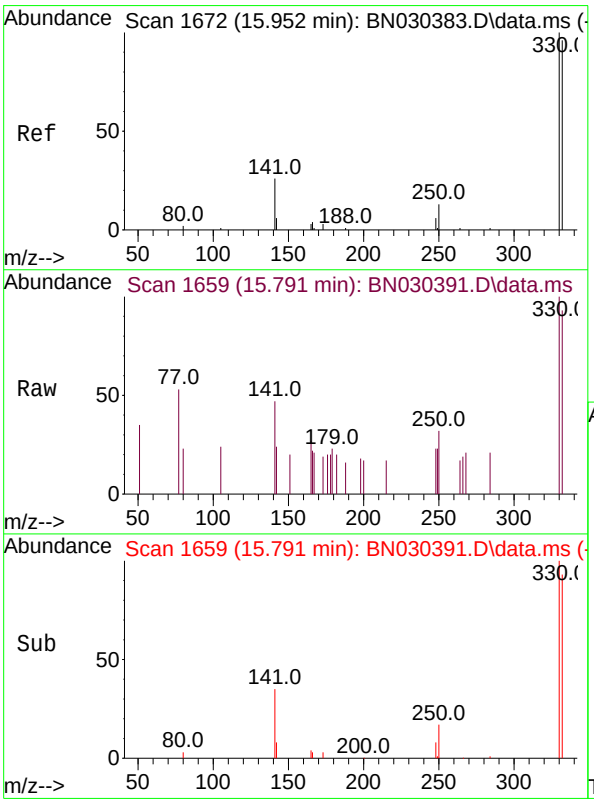
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:164 Resp: 2533

Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	124.0
160	50.9	39.5	59.3

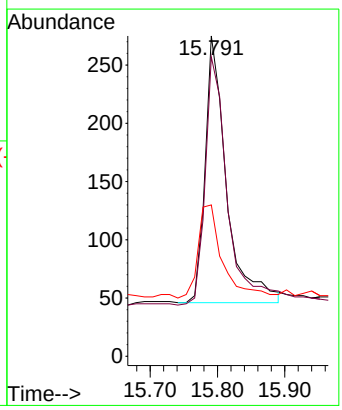


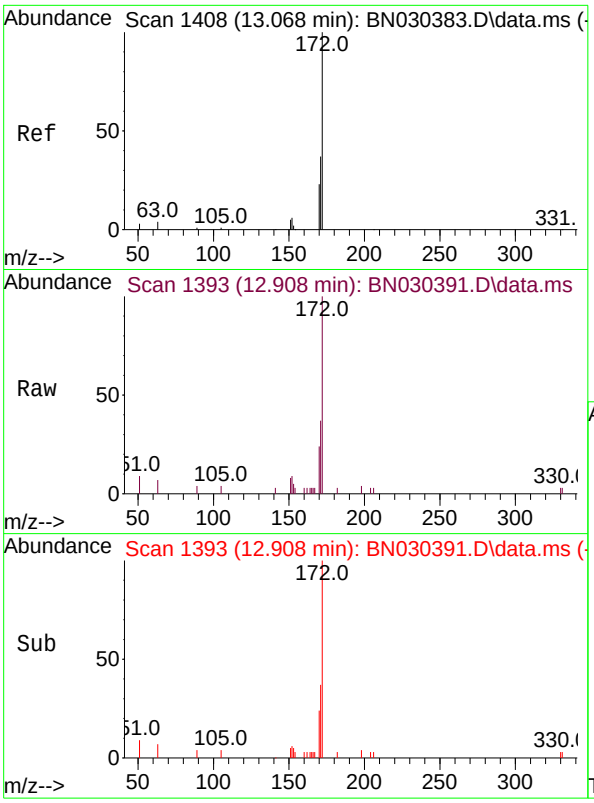


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.791 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:330 Resp: 506

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.2	115.8
141	39.7	31.4	47.2



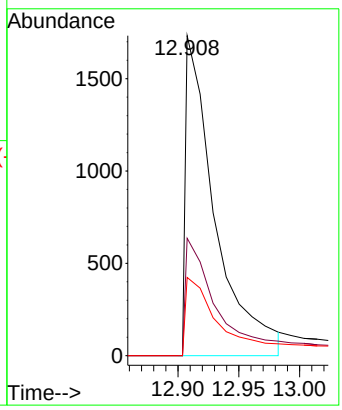


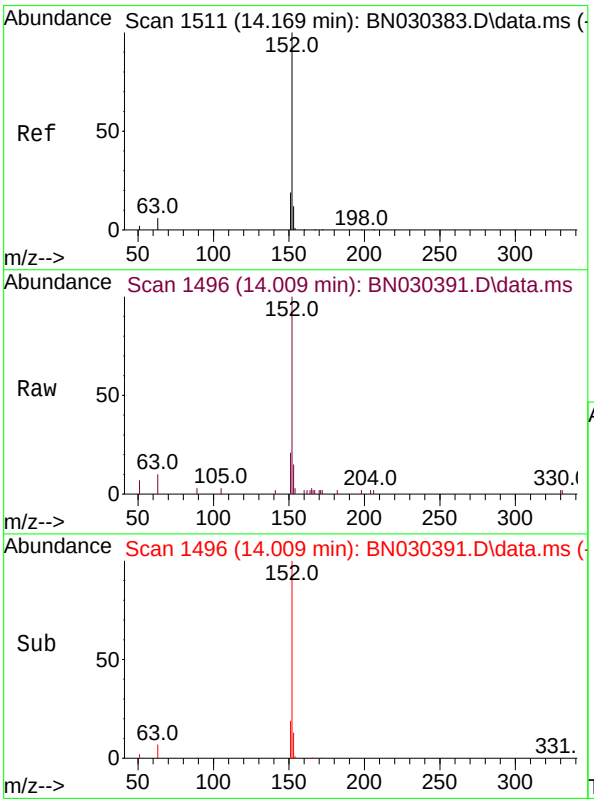
#15
2-Fluorobiphenyl
Concen: 0.276 ng
RT: 12.908 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2817

Ion	Ratio	Lower	Upper
172	100		
171	36.7	31.0	46.6
170	24.5	20.6	31.0

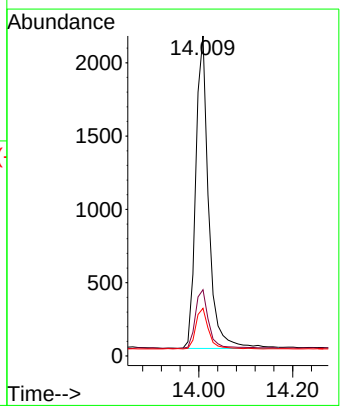


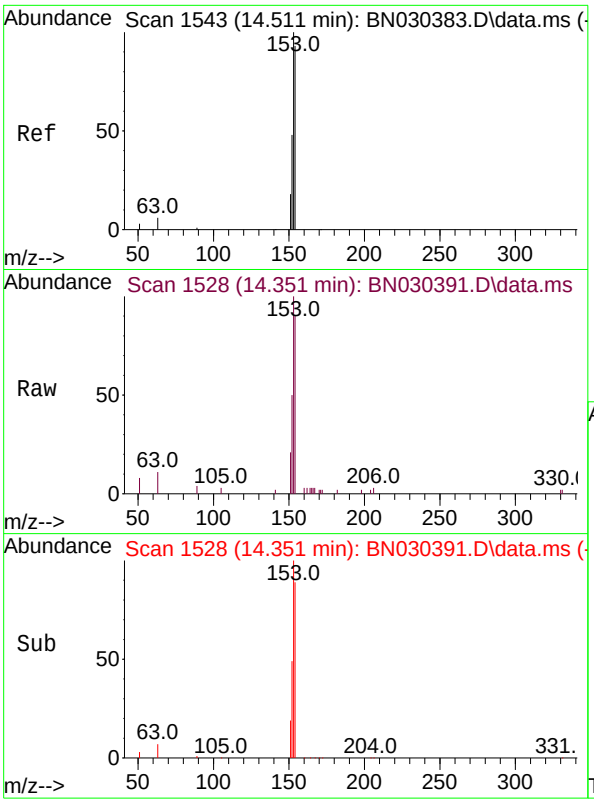


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.009 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:152 Resp: 4069

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.2	10.4	15.6



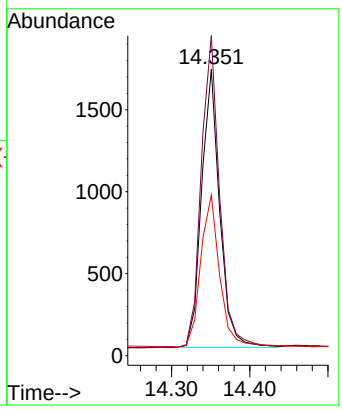


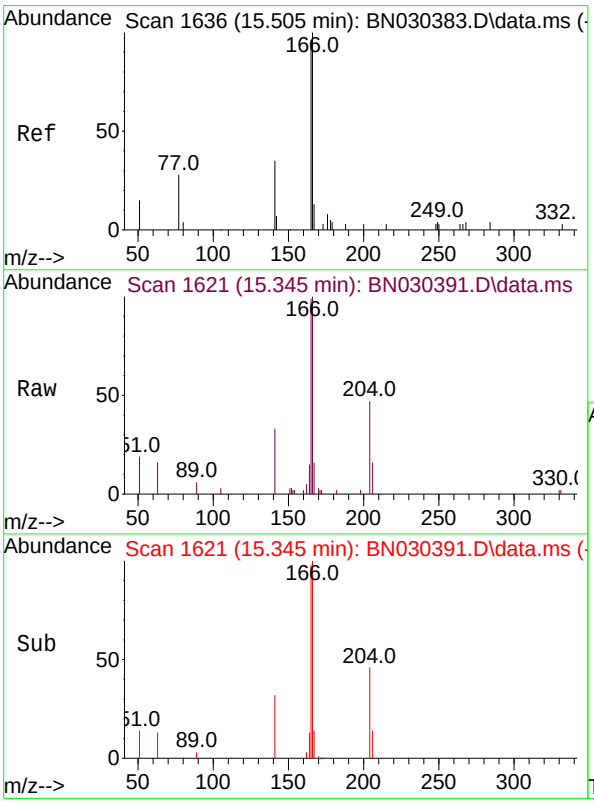
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2743

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.6	137.4
152	57.1	45.9	68.9

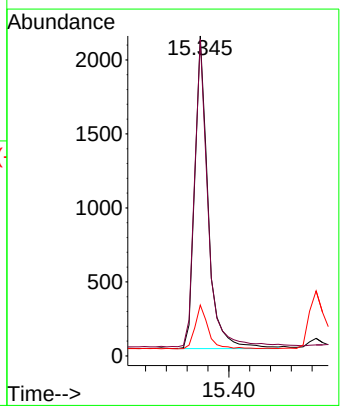


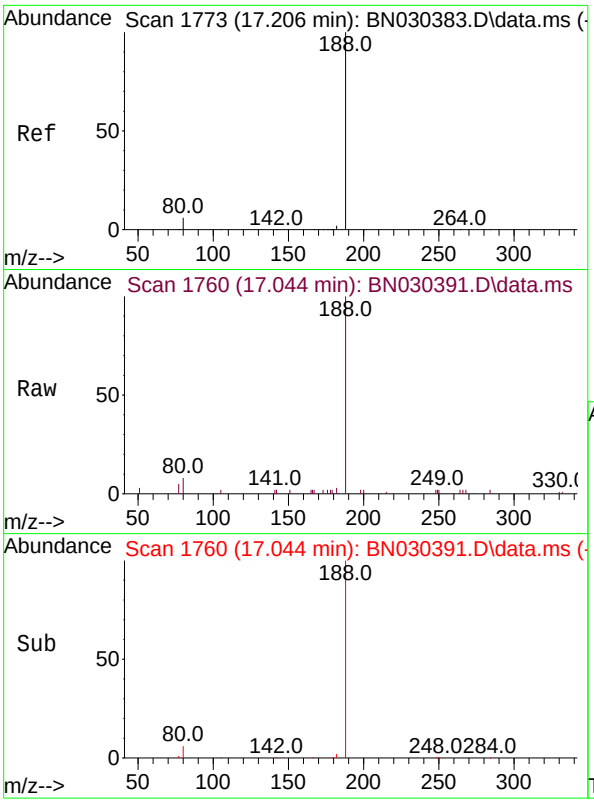


#18
Fluorene
Concen: 0.417 ng
RT: 15.345 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:166 Resp: 3751

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	13.7	10.2	15.4





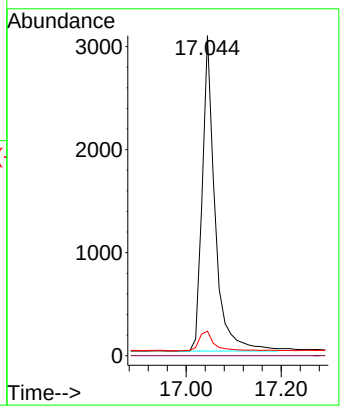
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.044 min Scan# 1

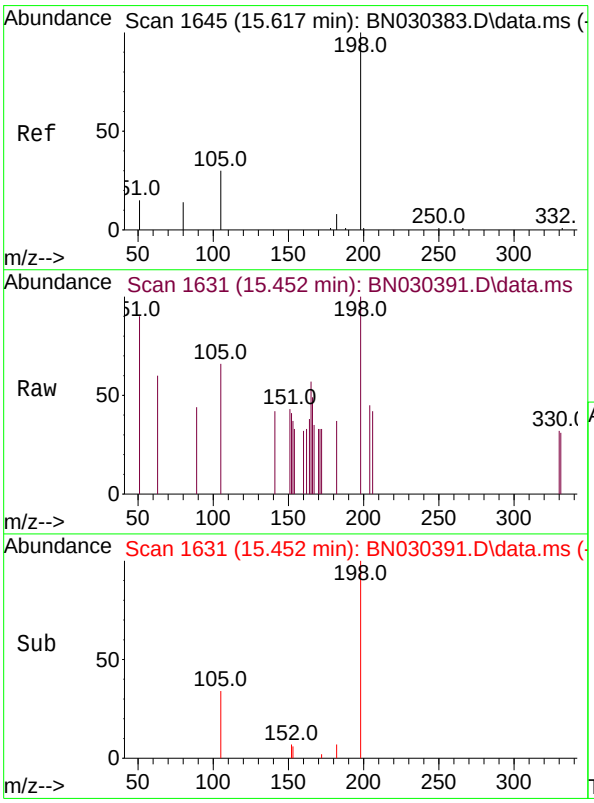
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:188 Resp: 5716

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	6.4	9.6

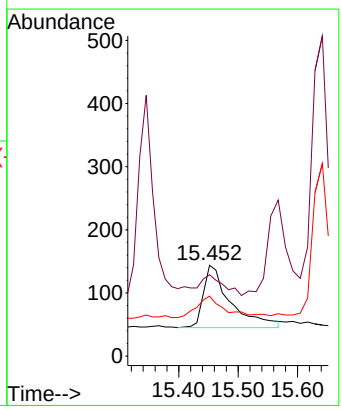


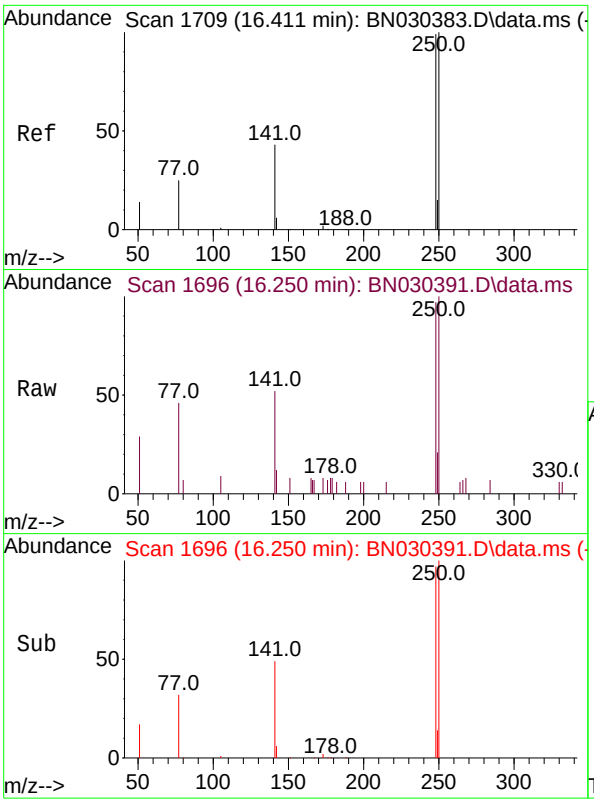


#20
4,6-Dinitro-2-methylphenol
Concen: 0.404 ng
RT: 15.452 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:198 Resp: 323

Ion	Ratio	Lower	Upper
198	100		
51	89.6	110.8	166.2#
105	66.0	51.7	77.5



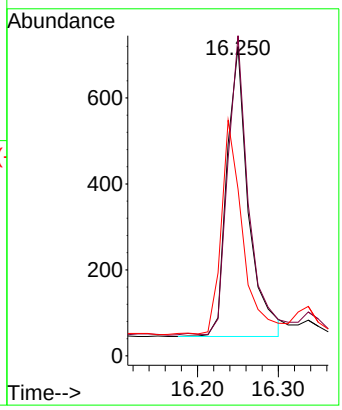


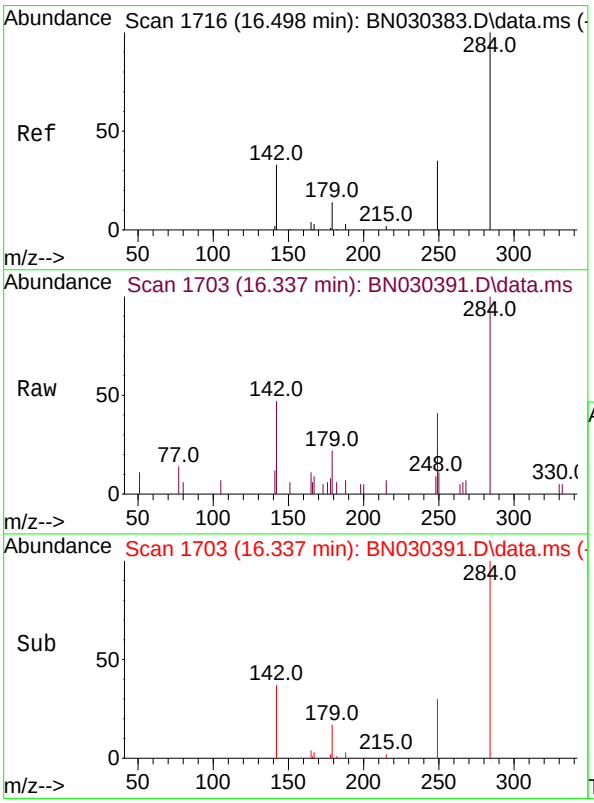
#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 16.250 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1252

Ion	Ratio	Lower	Upper
248	100		
250	103.5	81.0	121.4
141	53.9	39.2	58.8

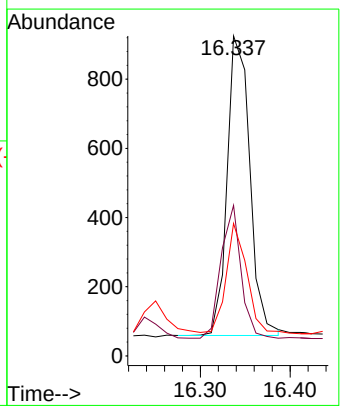


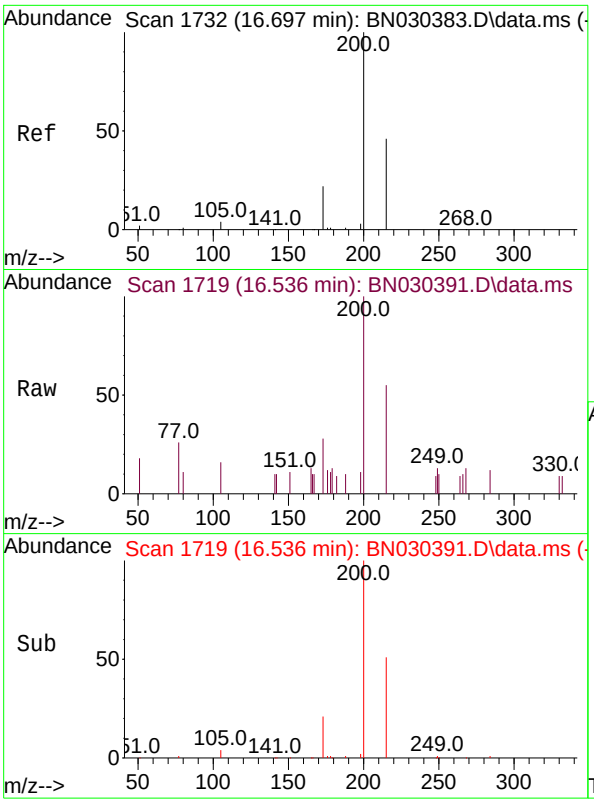


#22
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.337 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:284 Resp: 1516

Ion	Ratio	Lower	Upper
284	100		
142	39.2	29.7	44.5
249	32.5	27.2	40.8



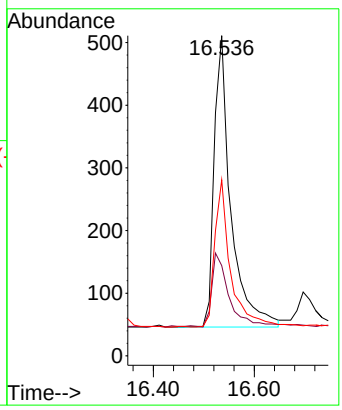


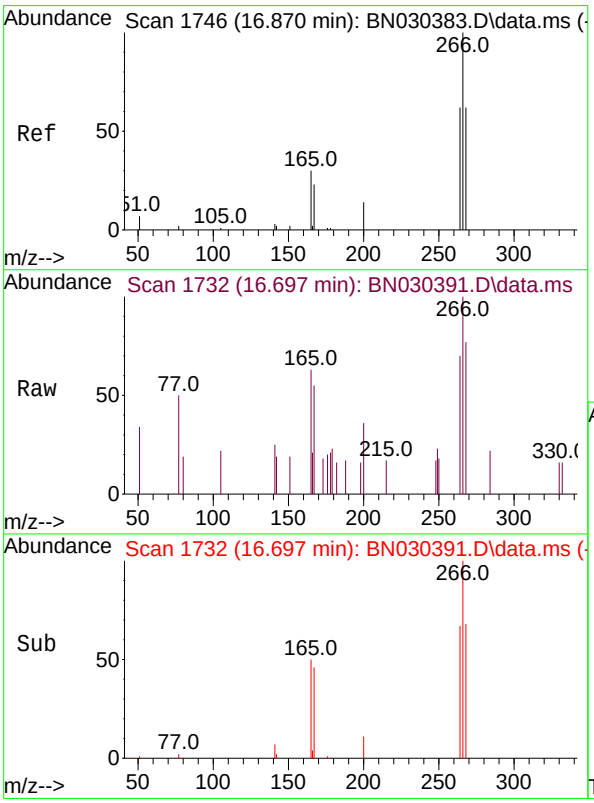
#23
Atrazine
Concen: 0.350 ng
RT: 16.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1062

Ion	Ratio	Lower	Upper
200	100		
173	28.2	23.5	35.3
215	55.0	41.3	61.9

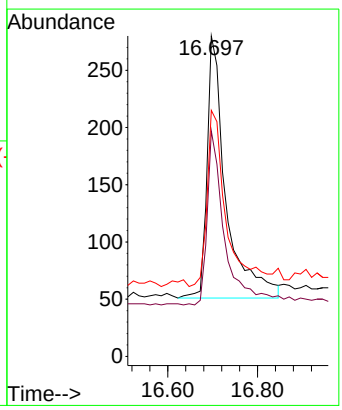


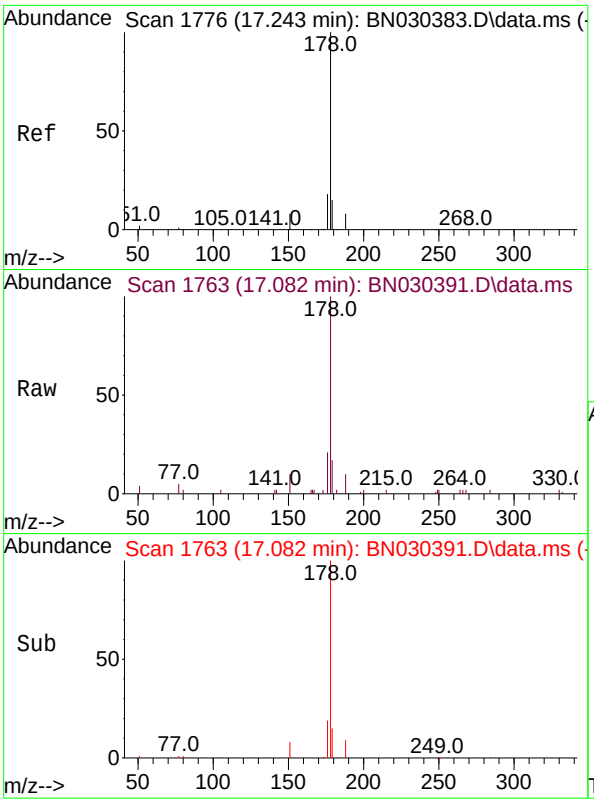


#24
Pentachlorophenol
Concen: 0.318 ng
RT: 16.697 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:266 Resp: 670

Ion	Ratio	Lower	Upper
266	100		
264	60.9	50.9	76.3
268	69.0	54.2	81.4



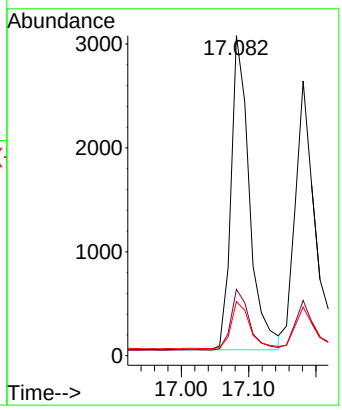


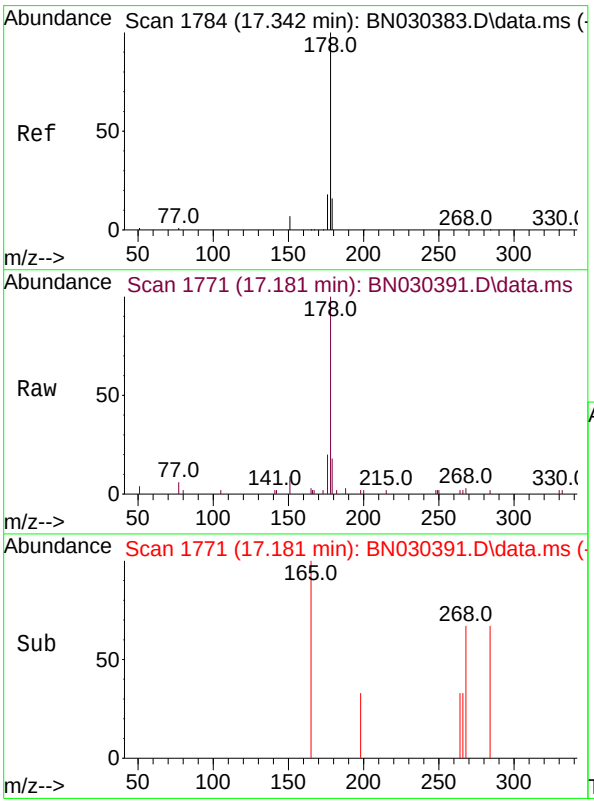
#25
Phenanthrene
Concen: 0.378 ng
RT: 17.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 5752

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.2	12.1	18.1

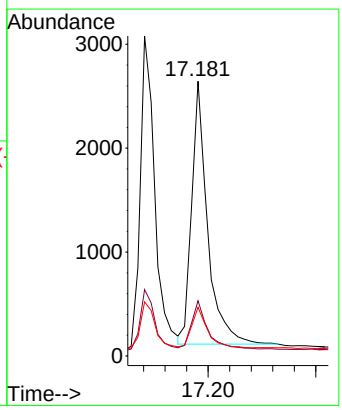


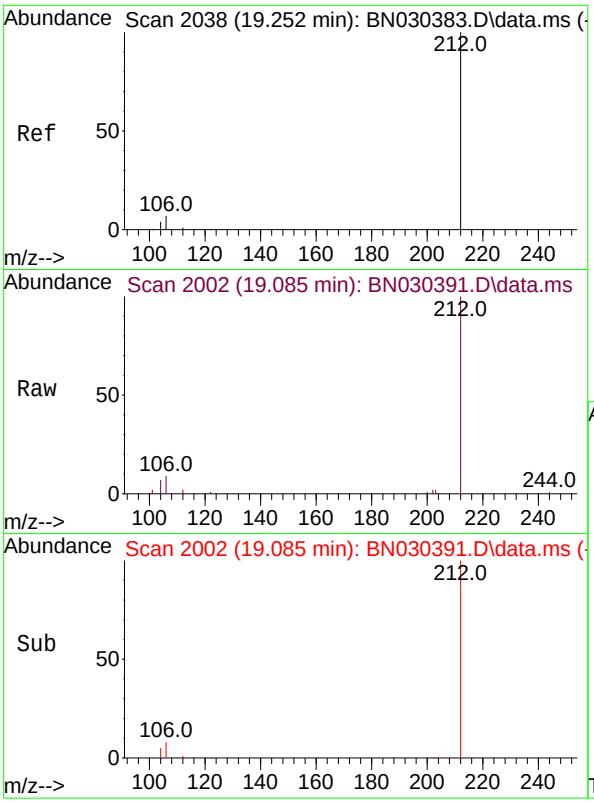


#26
Anthracene
Concen: 0.373 ng
RT: 17.181 min Scan# 1771
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:178 Resp: 5196

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.0	11.8	17.6



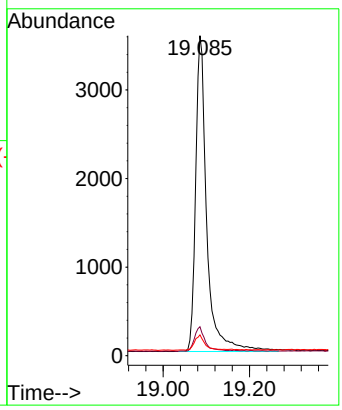


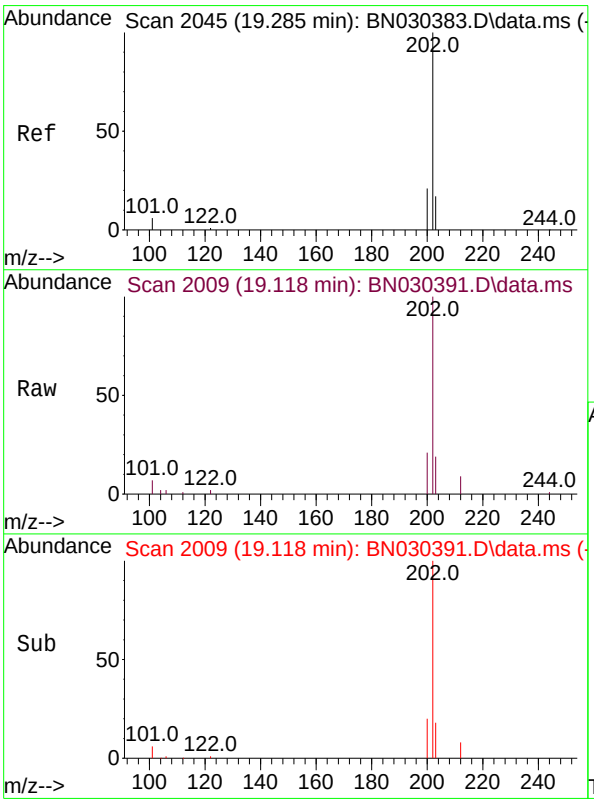
#27
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.085 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 6371

Ion	Ratio	Lower	Upper
212	100		
106	7.4	6.0	9.0
104	4.4	3.4	5.0

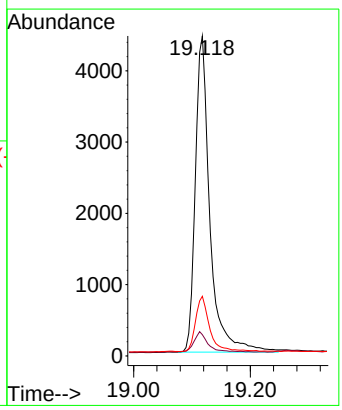


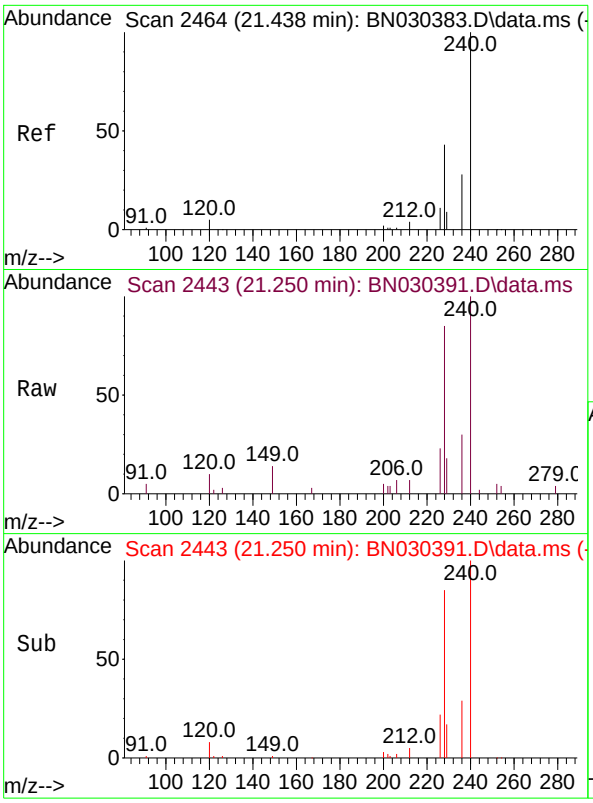


#28
Fluoranthene
Concen: 0.375 ng
RT: 19.118 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:202 Resp: 7702

Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.6	6.8
203	16.9	13.4	20.0



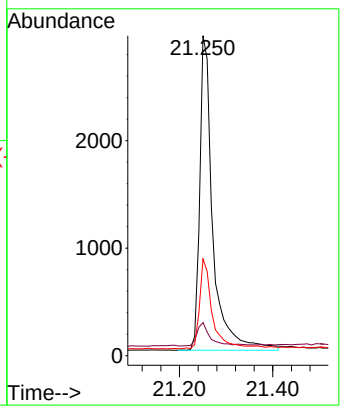


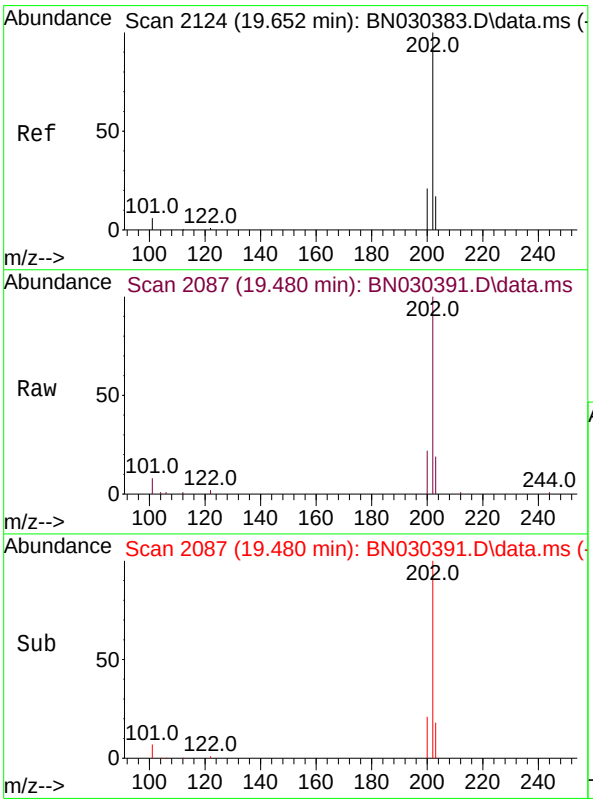
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.250 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5711

Ion	Ratio	Lower	Upper
240	100		
120	10.4	6.7	10.1#
236	30.2	23.8	35.8

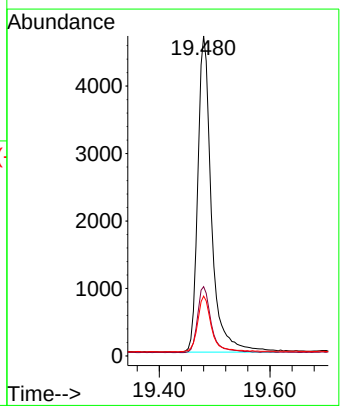


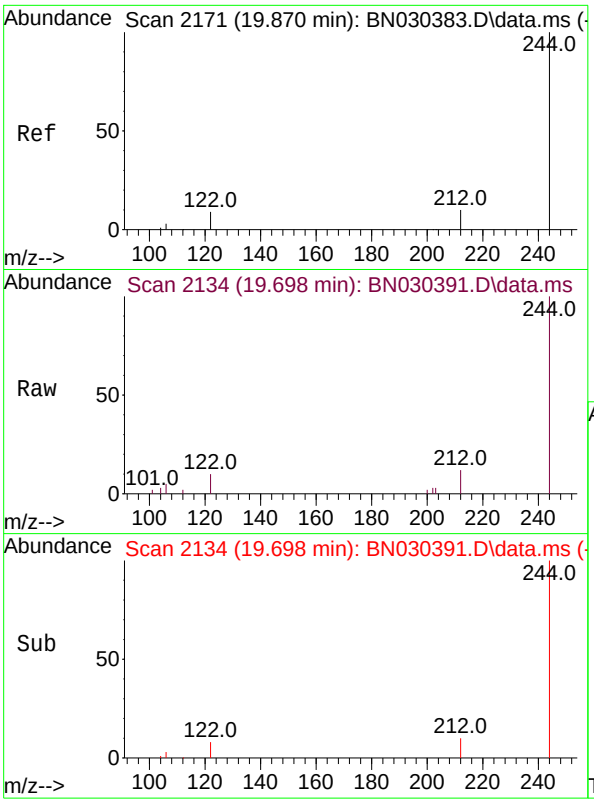


#30
Pyrene
Concen: 0.379 ng
RT: 19.480 min Scan# 2087
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:202 Resp: 8076

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	13.8	20.8



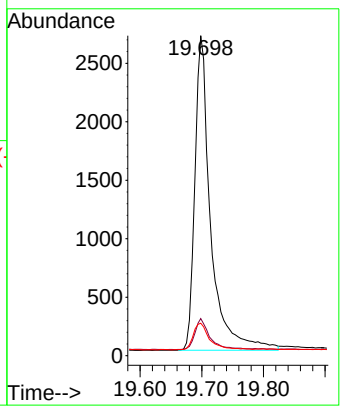


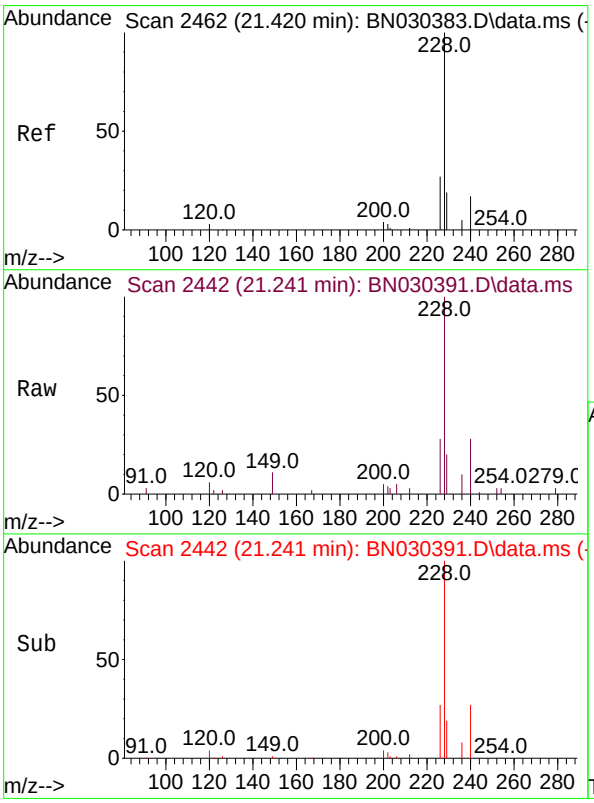
#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.698 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 4812

Ion	Ratio	Lower	Upper
244	100		
212	11.6	9.8	14.6
122	10.2	8.6	12.8

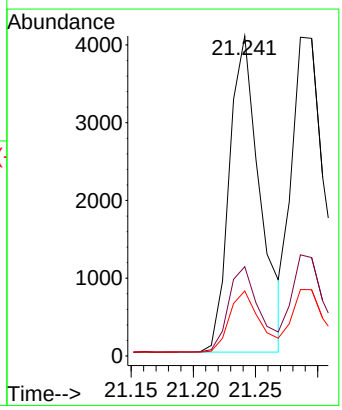


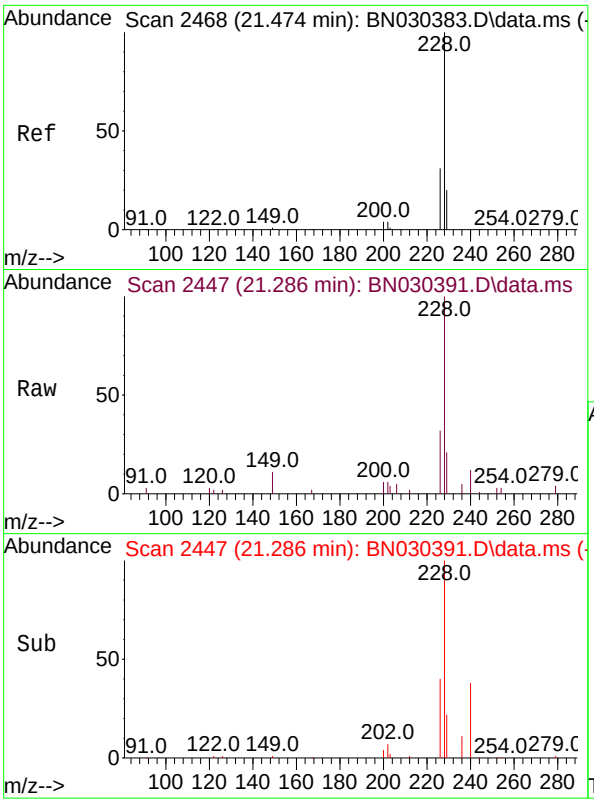


#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.241 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:228 Resp: 6985

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	20.3	16.4	24.6



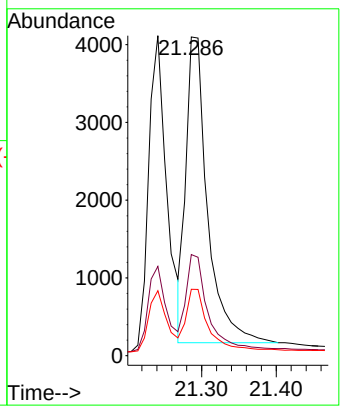


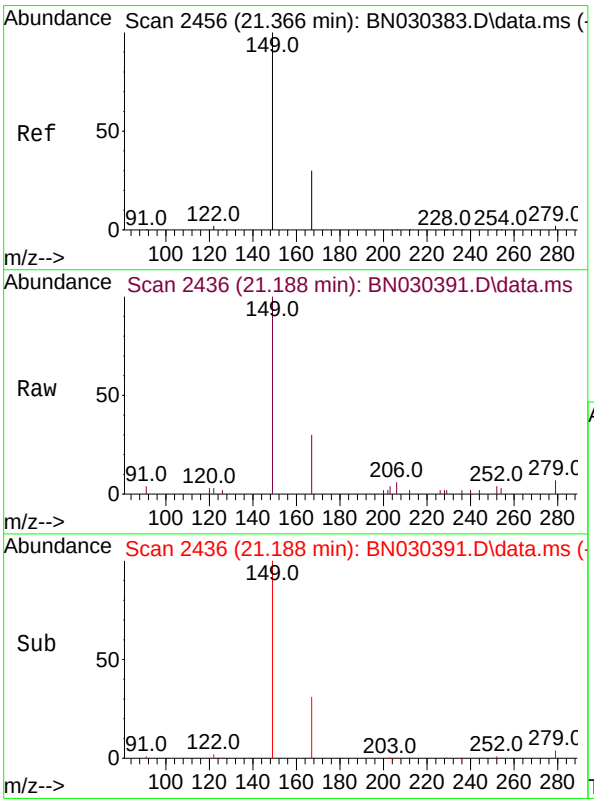
#33
Chrysene
Concen: 0.377 ng
RT: 21.286 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 7904

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	20.8	16.9	25.3

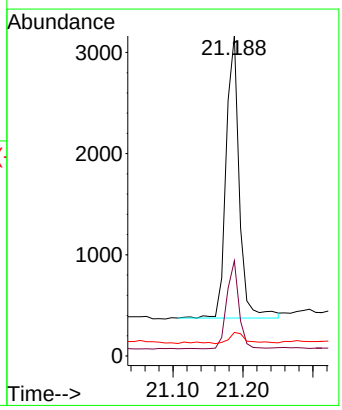


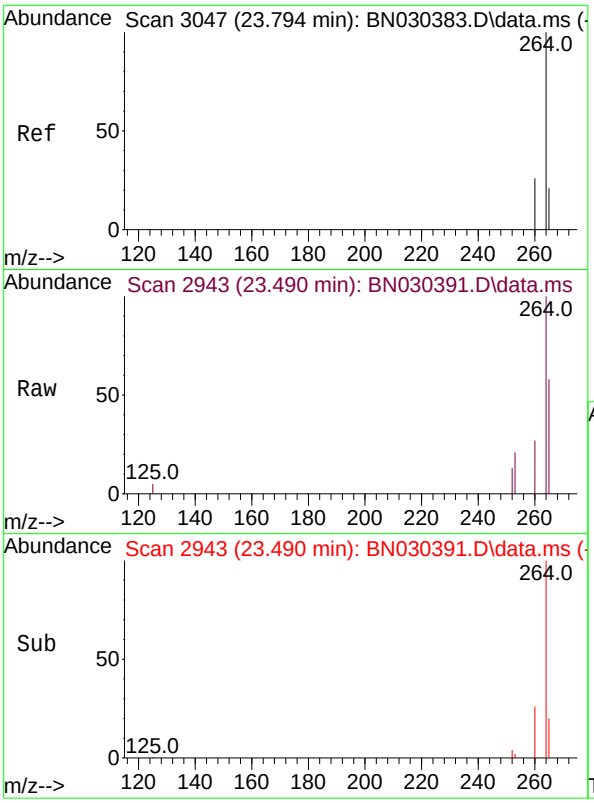


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.367 ng
RT: 21.188 min Scan# 2436
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:149 Resp: 3640

Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.8	35.6
279	5.2	5.1	7.7



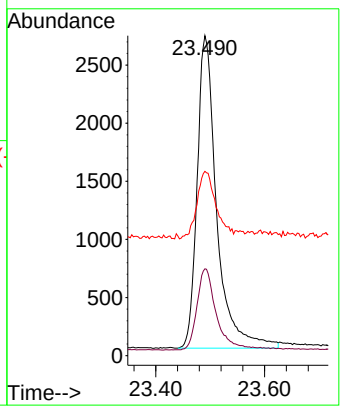


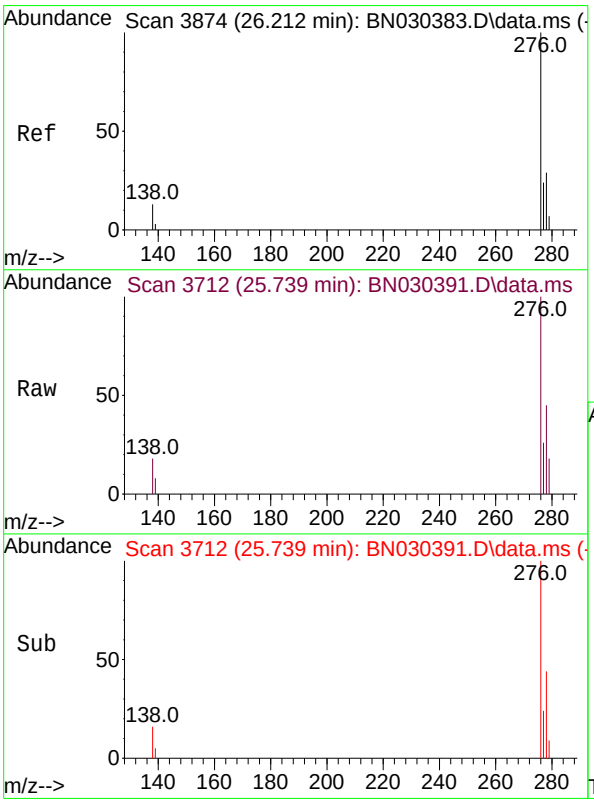
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.490 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 6729

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.8	32.8
265	57.6	50.6	75.8

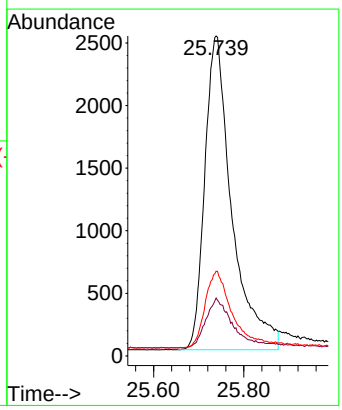


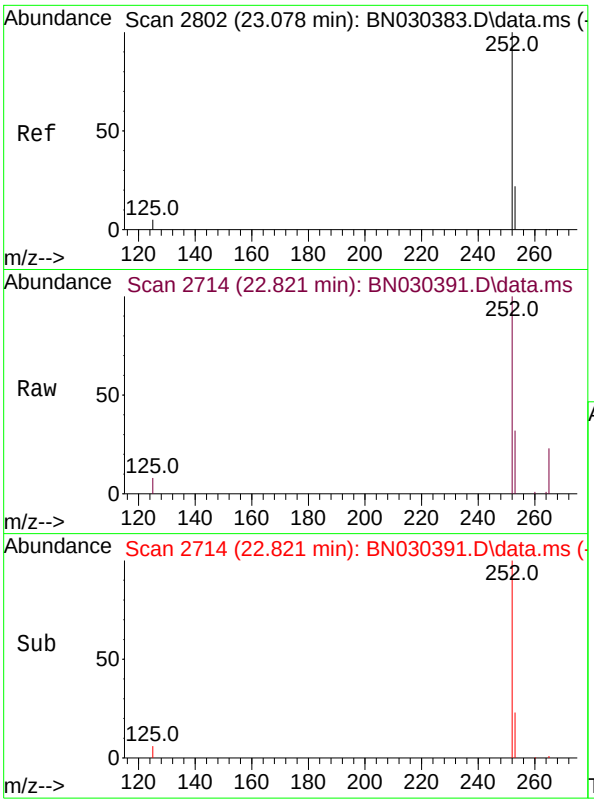


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 25.739 min Scan# 3712
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:276 Resp: 10450

Ion	Ratio	Lower	Upper
276	100		
138	15.4	5.1	7.7#
277	24.3	18.4	27.6



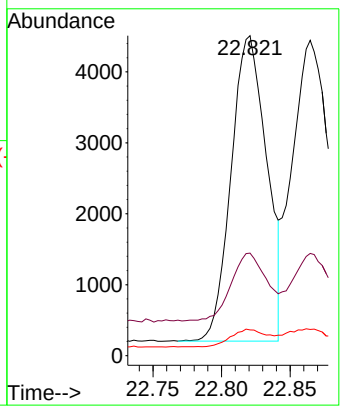


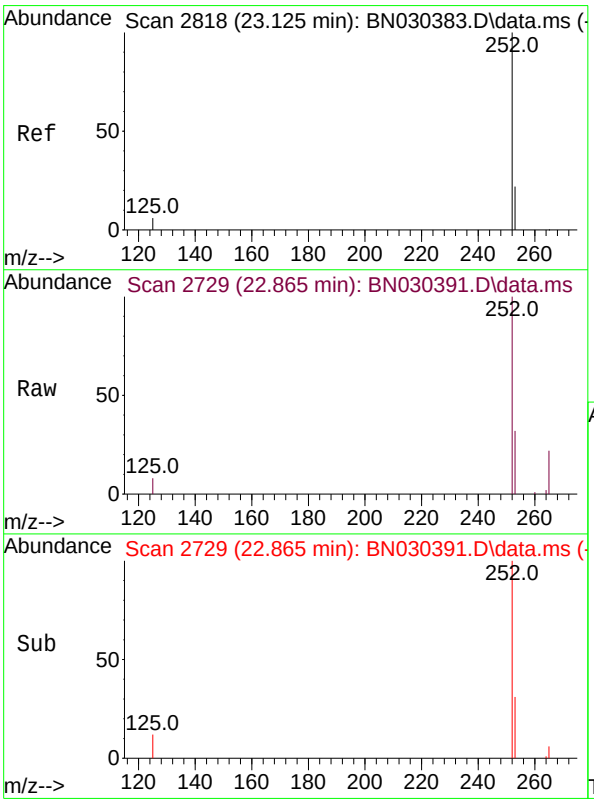
#37
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 22.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7766

Ion	Ratio	Lower	Upper
252	100		
253	32.1	26.7	40.1
125	8.0	6.8	10.2

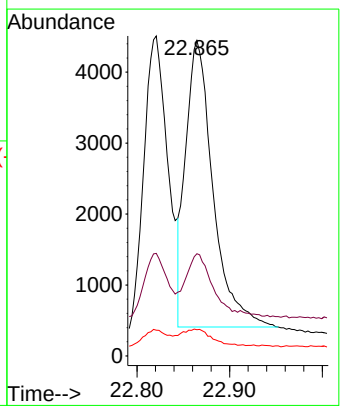


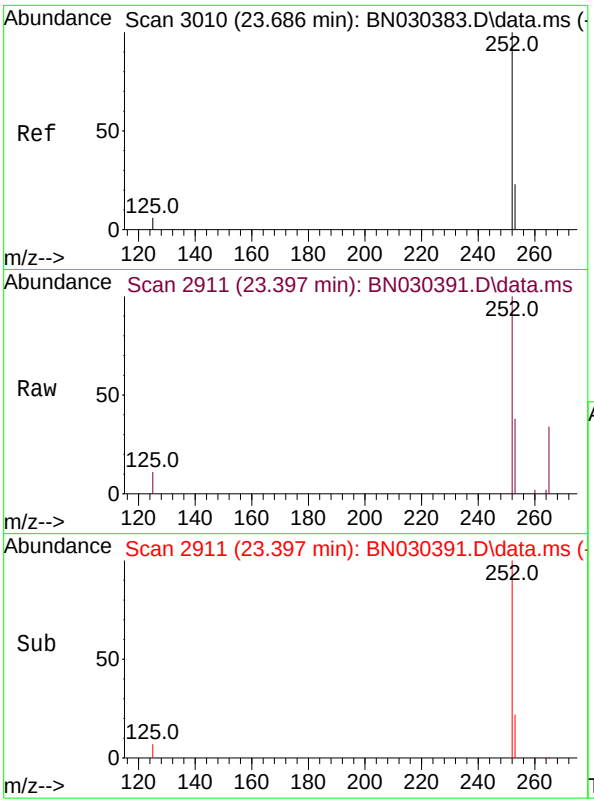


#38
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 22.865 min Scan# 2729
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:252 Resp: 8288

Ion	Ratio	Lower	Upper
252	100		
253	32.4	26.6	39.8
125	8.3	7.2	10.8



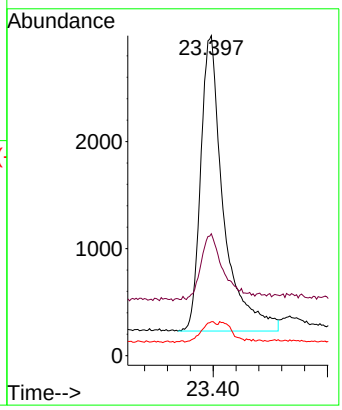


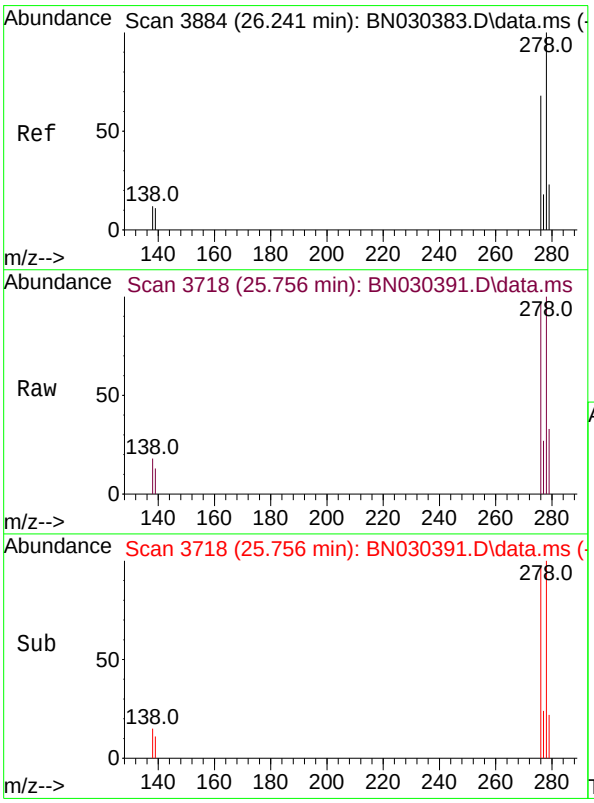
#39
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.397 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7634

Ion	Ratio	Lower	Upper
252	100		
253	38.1	31.5	47.3
125	10.6	8.6	12.8

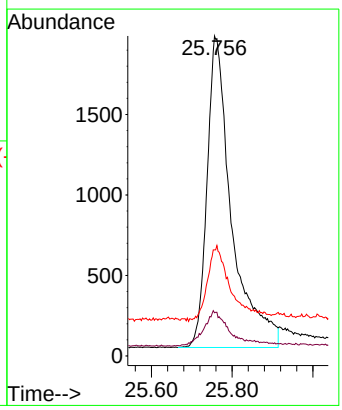


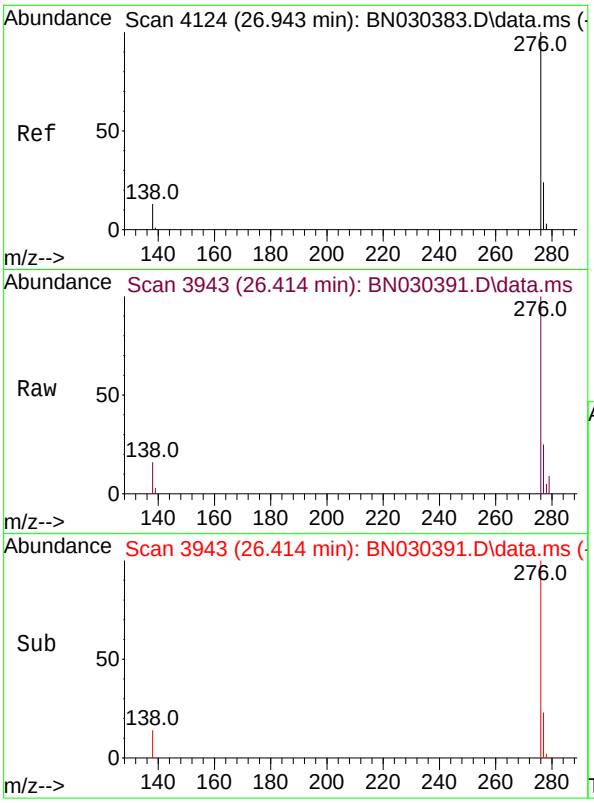


#40
Dibenzo(a,h)anthracene
Concen: 0.362 ng
RT: 25.756 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Tgt Ion:278 Resp: 8201

Ion	Ratio	Lower	Upper
278	100		
139	13.5	11.8	17.6
279	33.1	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.370 ng
RT: 26.414 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN030391.D
Acq: 14 Mar 2024 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9894

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.9	31.3
138	16.2	13.0	19.4