Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012624\
Data File : BN029391.D
Acq On : 26 Jan 2024 11:11
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 26 11:58:23 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 01:42:55 2024
Response via : Initial Calibration

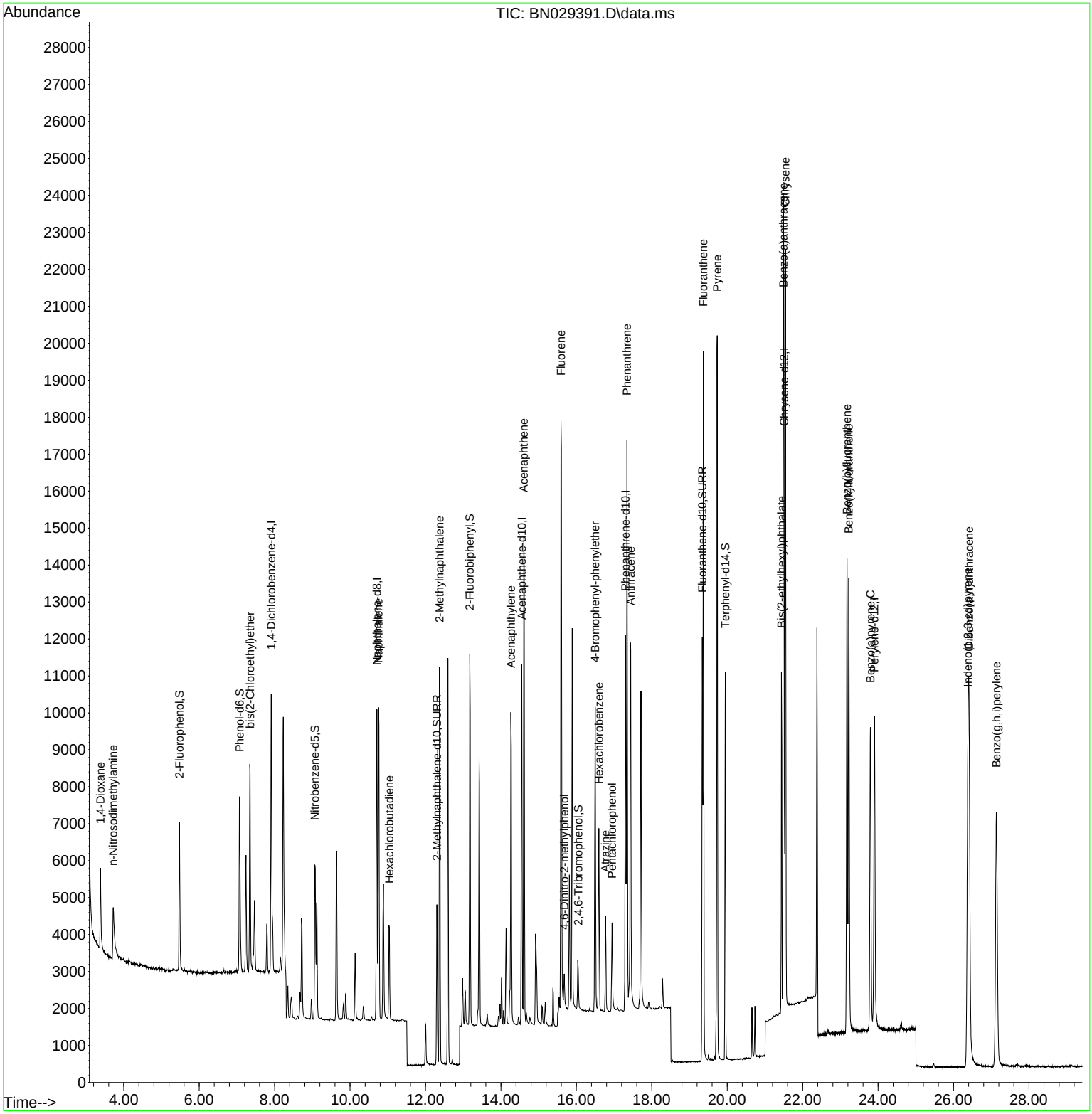
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.912	152	3609	0.400	ng		0.00
7) Naphthalene-d8	10.712	136	10829	0.400	ng		0.00
13) Acenaphthene-d10	14.554	164	5869	0.400	ng		0.00
19) Phenanthrene-d10	17.305	188	13685	0.400	ng		0.00
29) Chrysene-d12	21.510	240	11941	0.400	ng		0.00
35) Perylene-d12	23.902	264	12227	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.478	112	3380	0.343	ng		0.00
5) Phenol-d6	7.074	99	4614	0.348	ng		0.00
8) Nitrobenzene-d5	9.067	82	3809	0.334	ng		-0.01
11) 2-Methylnaphthalene-d10	12.302	152	5765	0.334	ng		0.00
14) 2,4,6-Tribromophenol	16.051	330	824	0.319	ng		0.00
15) 2-Fluorobiphenyl	13.175	172	9018	0.333	ng		0.00
27) Fluoranthene-d10	19.340	212	12492	0.317	ng		0.00
31) Terphenyl-d14	19.949	244	9803	0.330	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.384	88	1634	0.336	ng		96
3) n-Nitrosodimethylamine	3.716	42	1511	0.319	ng	#	96
6) bis(2-Chloroethyl)ether	7.349	93	4348	0.353	ng		99
9) Naphthalene	10.754	128	11626	0.338	ng		98
10) Hexachlorobutadiene	11.043	225	2142	0.340	ng	#	99
12) 2-Methylnaphthalene	12.374	142	7323	0.330	ng		99
16) Acenaphthylene	14.265	152	9952	0.321	ng		99
17) Acenaphthene	14.607	154	6815	0.329	ng		99
18) Fluorene	15.592	166	9280	0.337	ng		99
20) 4,6-Dinitro-2-methylph...	15.679	198	630	0.335	ng		86
21) 4-Bromophenyl-phenylether	16.498	248	2924	0.315	ng		98
22) Hexachlorobenzene	16.597	284	3406	0.319	ng		98
23) Atrazine	16.771	200	2093	0.300	ng		98
24) Pentachlorophenol	16.945	266	1160	0.353	ng		98
25) Phenanthrene	17.342	178	15140	0.325	ng		100
26) Anthracene	17.441	178	12971	0.315	ng		100
28) Fluoranthene	19.368	202	17368	0.317	ng		100
30) Pyrene	19.735	202	17779	0.328	ng		100
32) Benzo(a)anthracene	21.492	228	15578	0.321	ng		99
33) Chrysene	21.546	228	16753	0.332	ng		99
34) Bis(2-ethylhexyl)phtha...	21.438	149	8660	0.290	ng		99
36) Indeno(1,2,3-cd)pyrene	26.382	276	17226	0.326	ng		100
37) Benzo(b)fluoranthene	23.174	252	16854	0.326	ng		99
38) Benzo(k)fluoranthene	23.224	252	16172	0.321	ng		99
39) Benzo(a)pyrene	23.797	252	12994	0.312	ng		99
40) Dibenzo(a,h)anthracene	26.411	278	13957	0.328	ng		100
41) Benzo(g,h,i)perylene	27.136	276	15419	0.333	ng		99

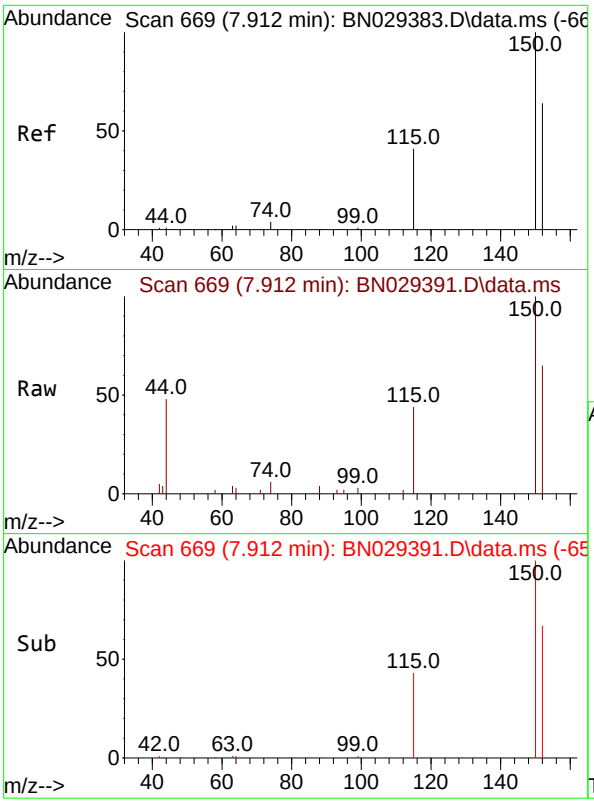
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012624\
Data File : BN029391.D
Acq On : 26 Jan 2024 11:11
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 26 11:58:23 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 01:42:55 2024
Response via : Initial Calibration



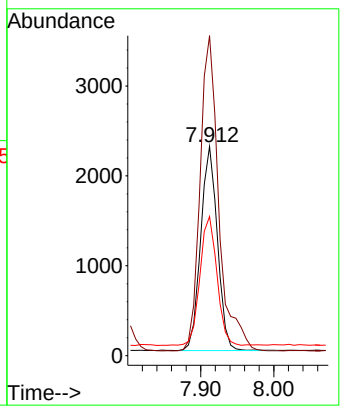


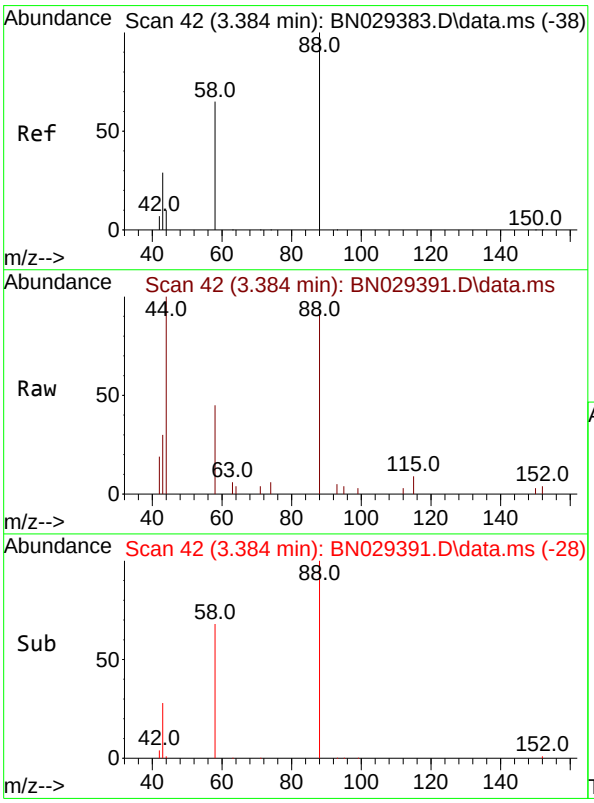
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.912 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3609

Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.6	185.4
115	66.5	53.2	79.8

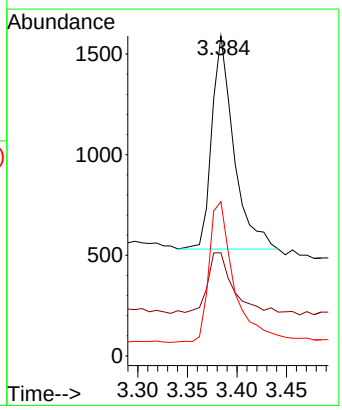


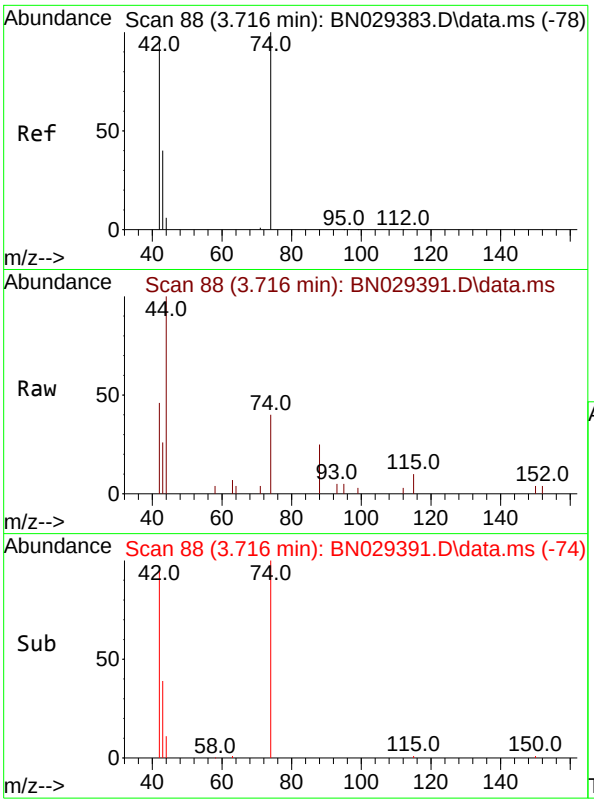


#2
1,4-Dioxane
Concen: 0.336 ng
RT: 3.384 min Scan# 42
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion: 88 Resp: 1634

Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.3	37.9
58	74.8	56.9	85.3



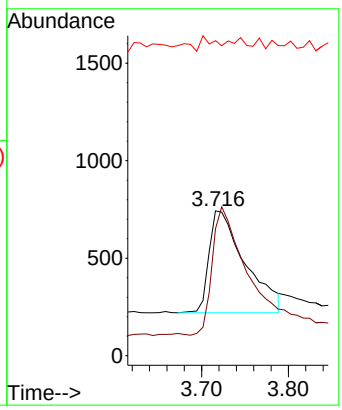


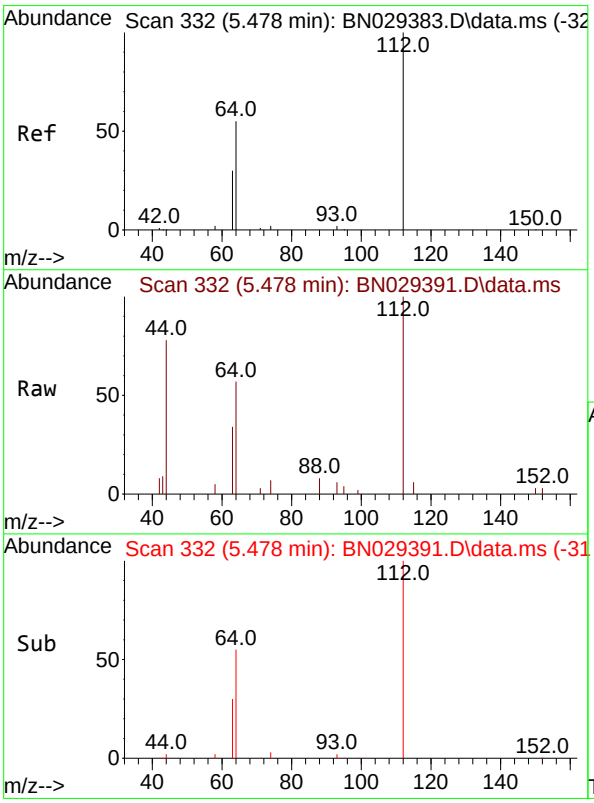
#3
n-Nitrosodimethylamine
Concen: 0.319 ng
RT: 3.716 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1511

Ion	Ratio	Lower	Upper
42	100		
74	121.5	93.5	140.3
44	0.0	3.1	4.7#

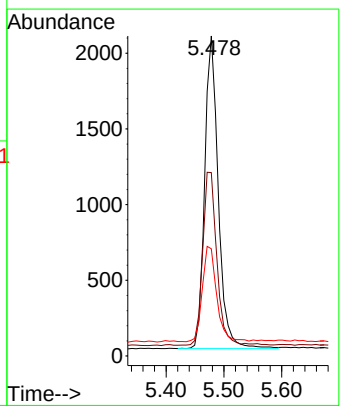


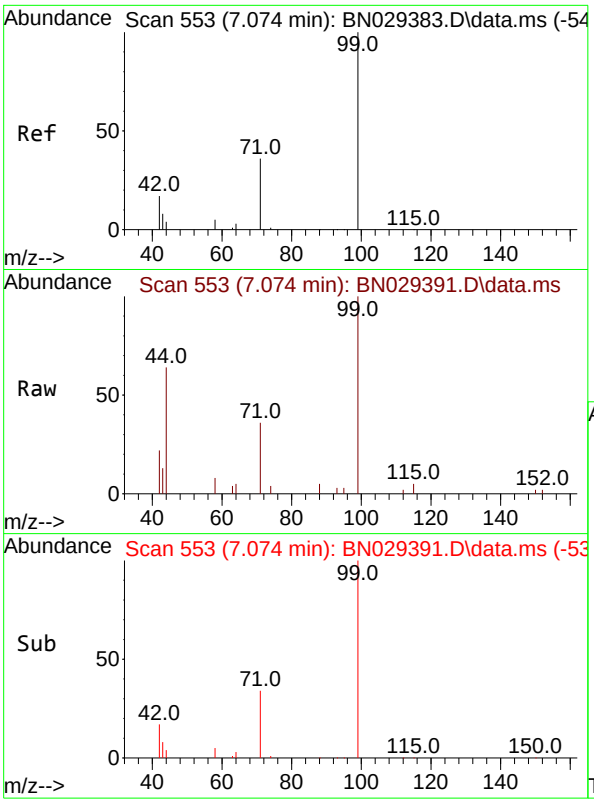


#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.478 min Scan# 332
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:112 Resp: 3380

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.2	69.4
63	32.1	25.8	38.8



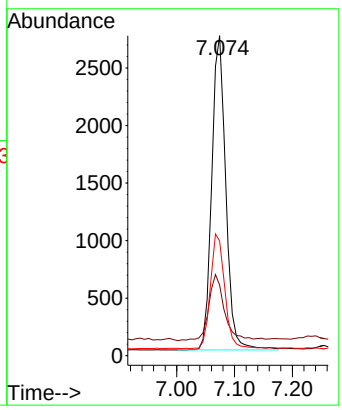


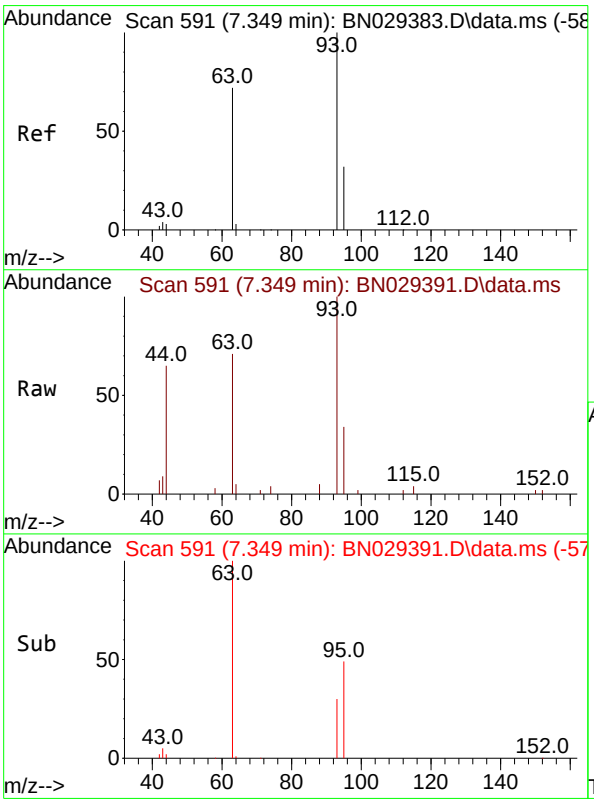
#5
Phenol-d6
Concen: 0.348 ng
RT: 7.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4614

Ion	Ratio	Lower	Upper
99	100		
42	23.5	16.9	25.3
71	37.6	29.7	44.5

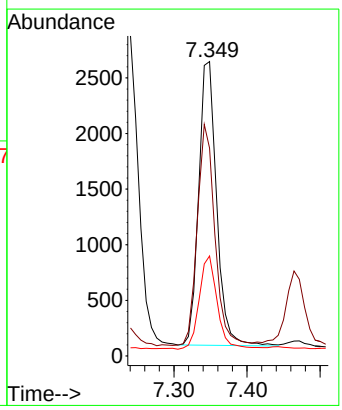


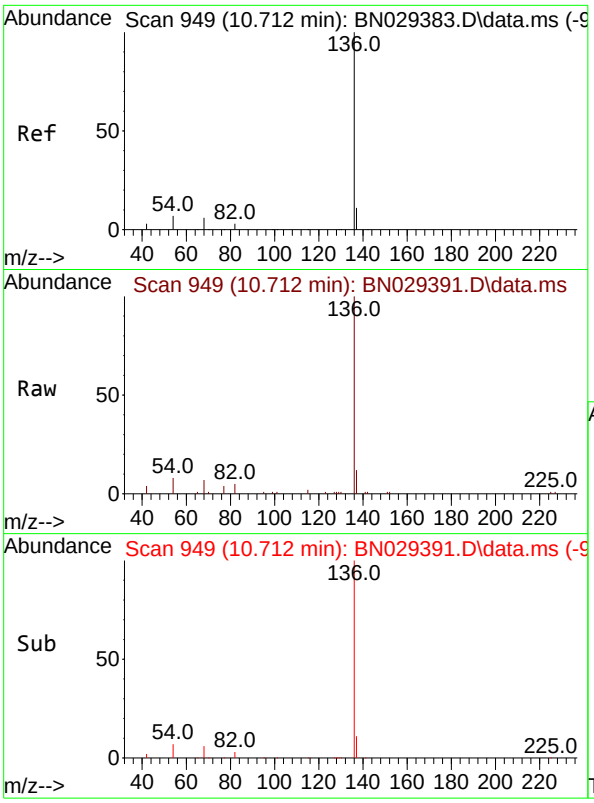


#6
bis(2-Chloroethyl)ether
Concen: 0.353 ng
RT: 7.349 min Scan# 591
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion: 93 Resp: 4348

Ion	Ratio	Lower	Upper
93	100		
63	76.5	62.2	93.2
95	33.3	26.3	39.5



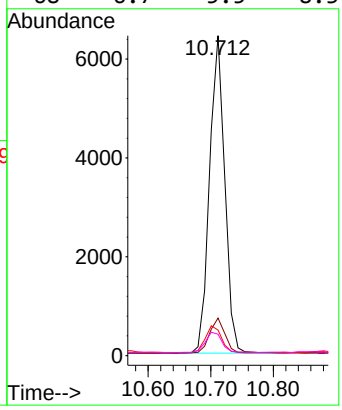


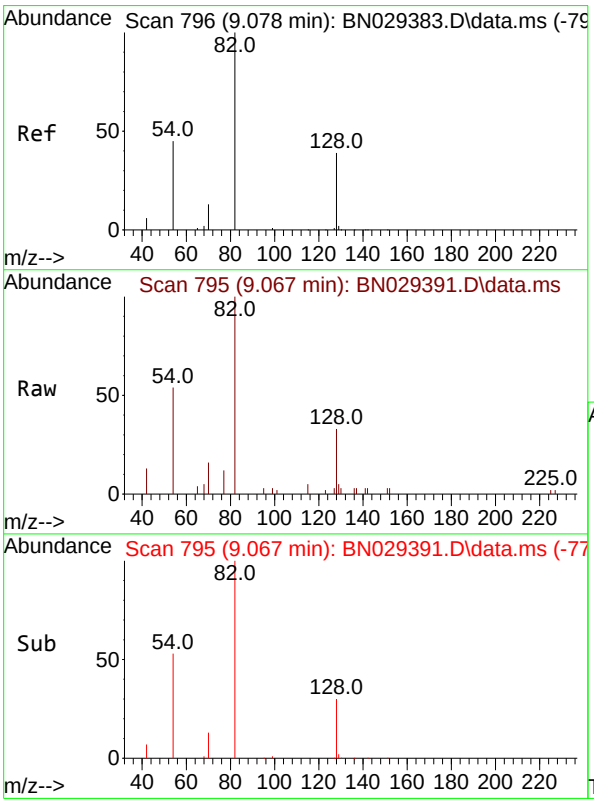
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.712 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 10829

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	8.0	6.4	9.6
68	6.7	5.5	8.3

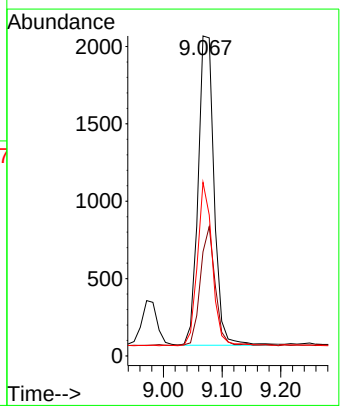


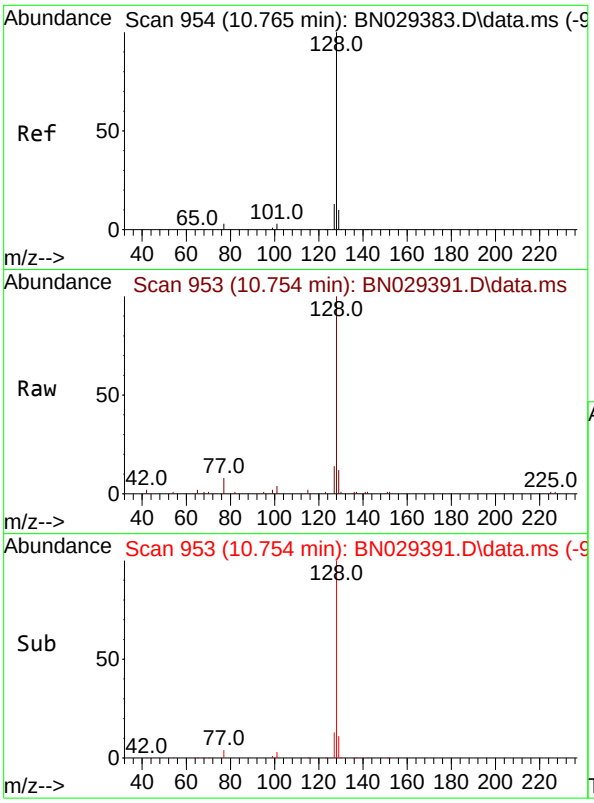


#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 9.067 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion: 82 Resp: 3809

Ion	Ratio	Lower	Upper
82	100		
128	32.5	33.0	49.6#
54	54.3	37.6	56.4



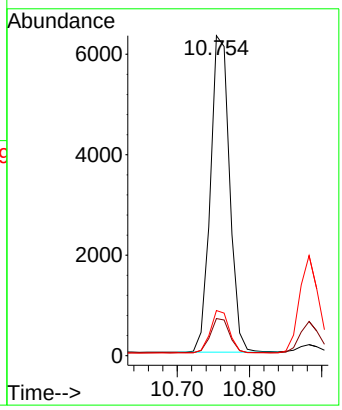


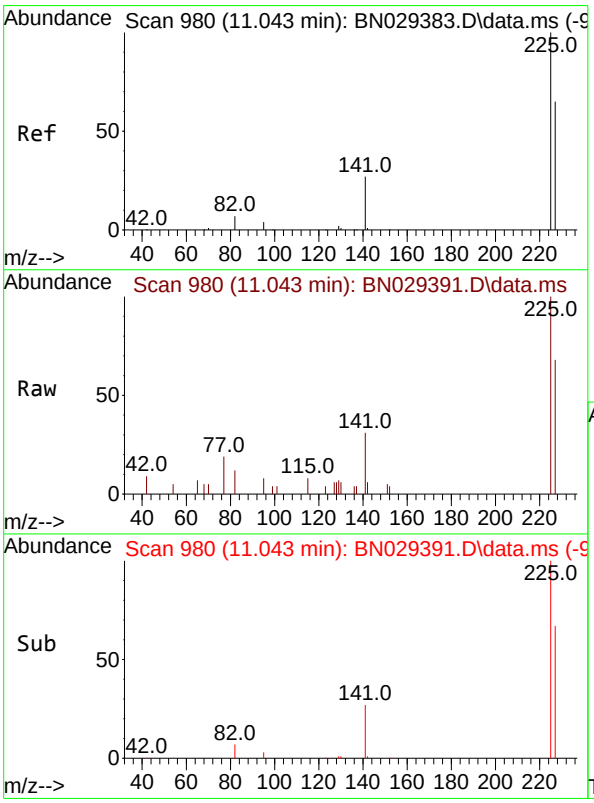
#9
Naphthalene
Concen: 0.338 ng
RT: 10.754 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 11626

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	14.1	10.6	15.8

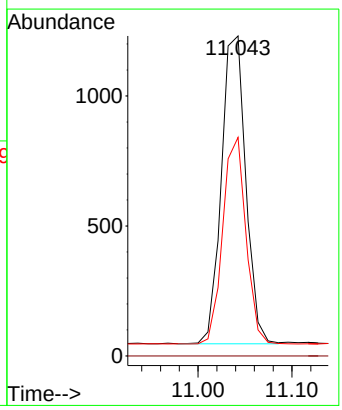


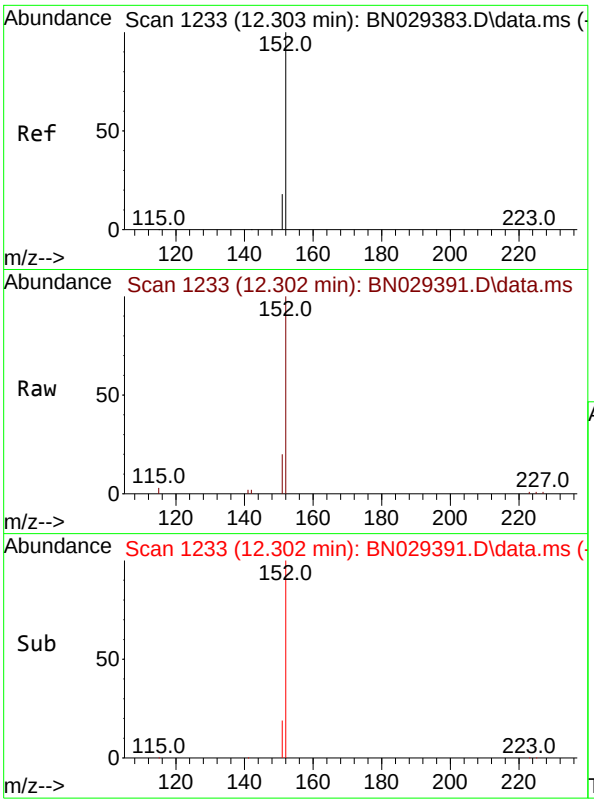


#10
Hexachlorobutadiene
Concen: 0.340 ng
RT: 11.043 min Scan# 980
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:225 Resp: 2142

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.8	77.6



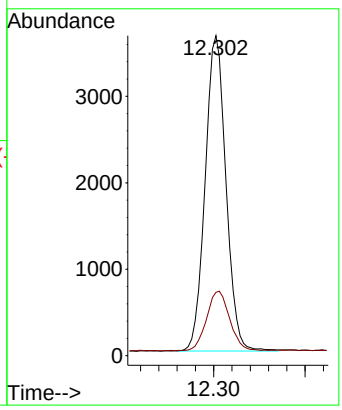


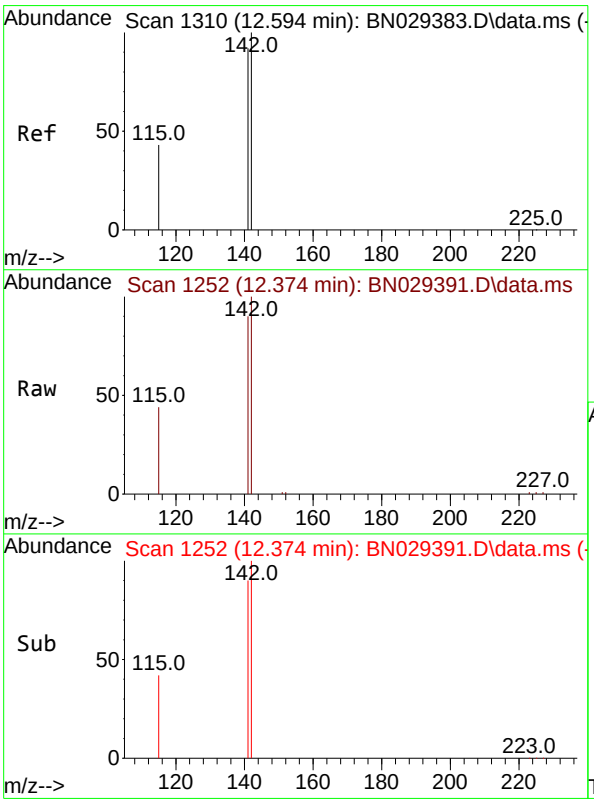
#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 12.302 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5765

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2

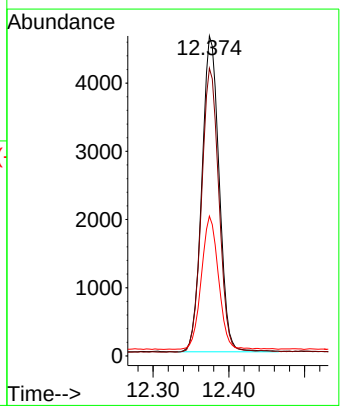


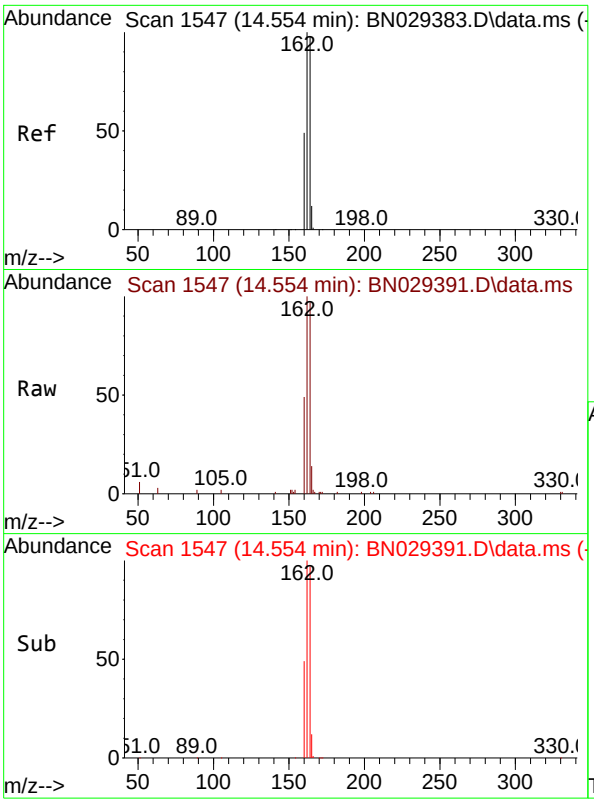


#12
2-Methylnaphthalene
Concen: 0.330 ng
RT: 12.374 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:142 Resp: 7323

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.0	106.4
115	43.7	34.3	51.5



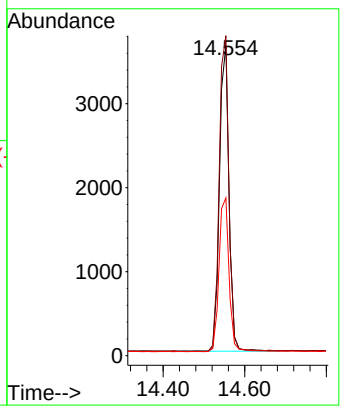


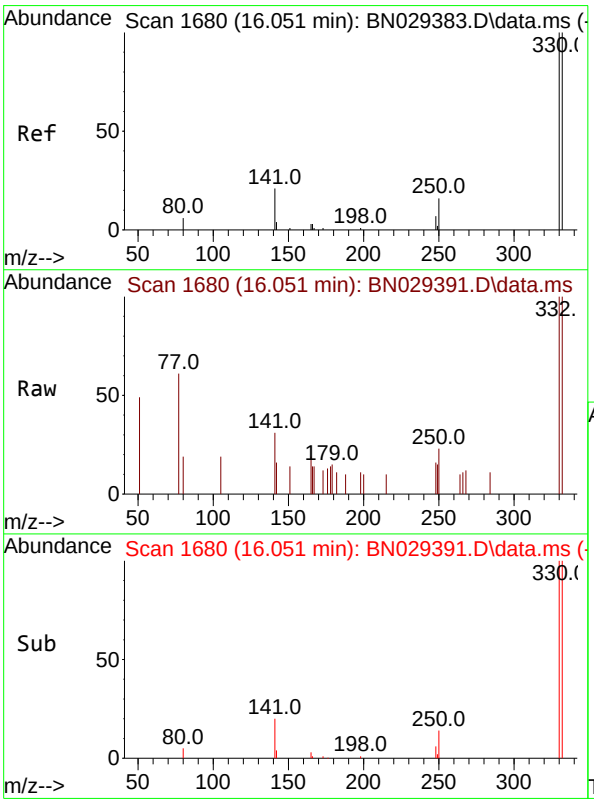
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.554 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5869

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.3	121.9
160	50.9	40.2	60.2

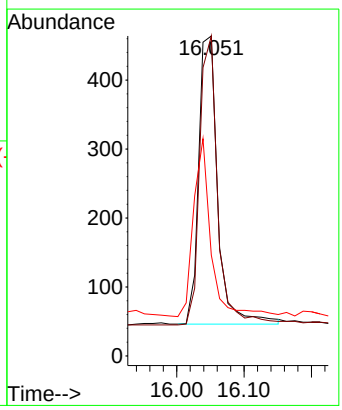


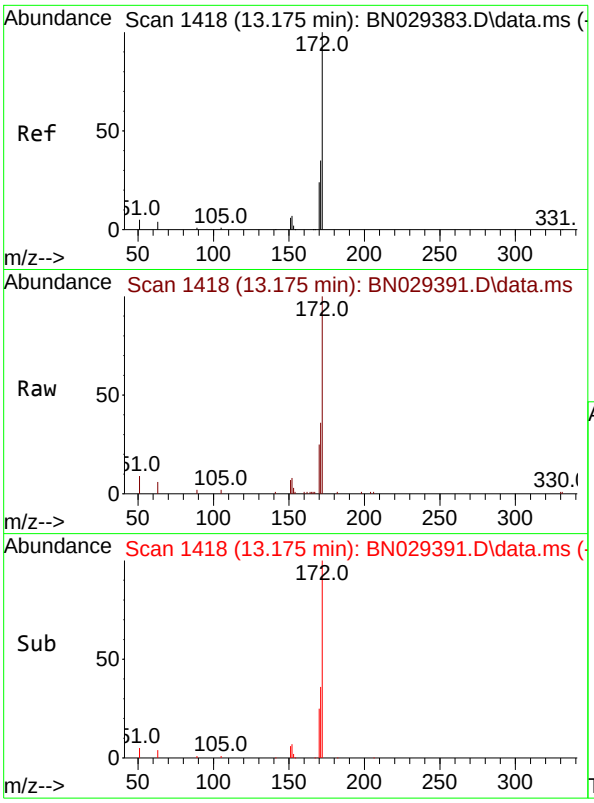


#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 16.051 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:330 Resp: 824

Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.5	113.3
141	55.1	43.0	64.6



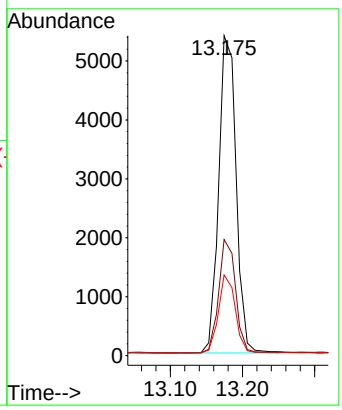


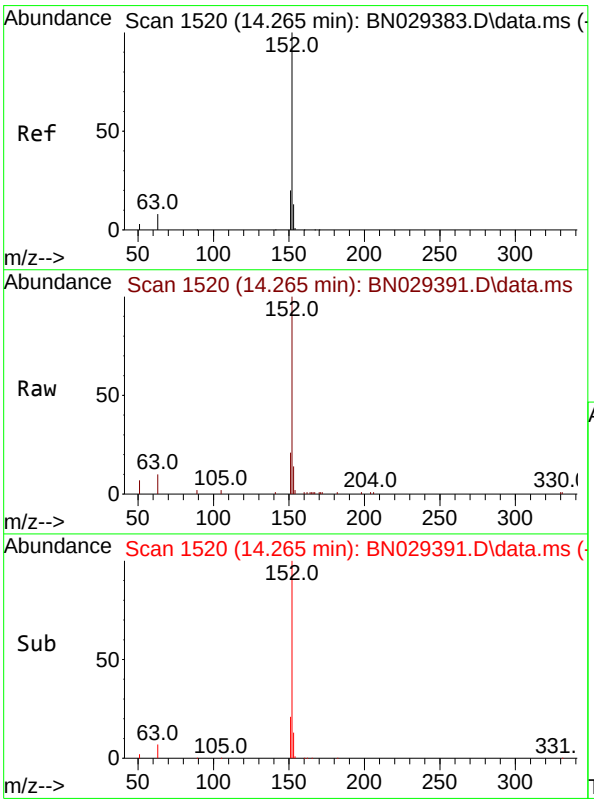
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 13.175 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 9018

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	25.3	20.1	30.1

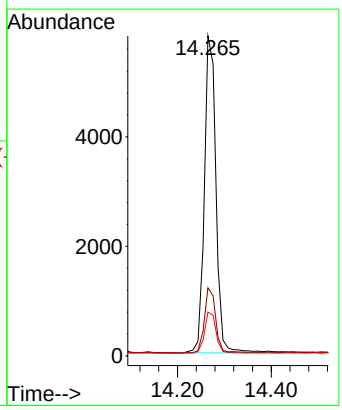


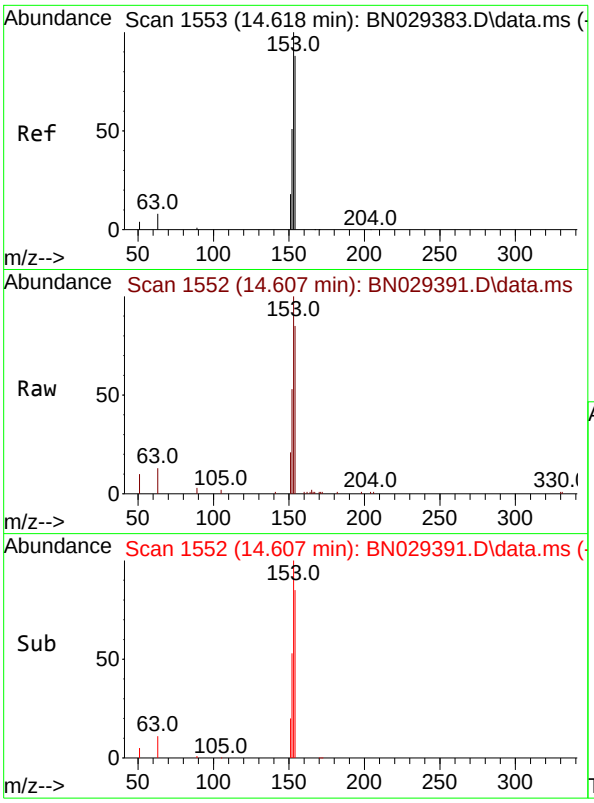


#16
Acenaphthylene
Concen: 0.321 ng
RT: 14.265 min Scan# 1520
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:152 Resp: 9952

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.4	15.6



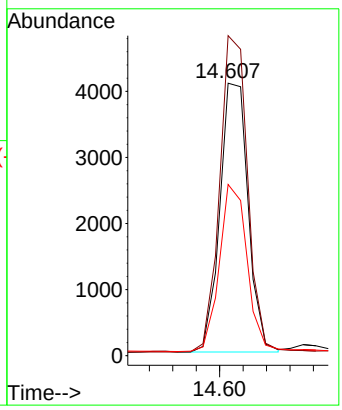


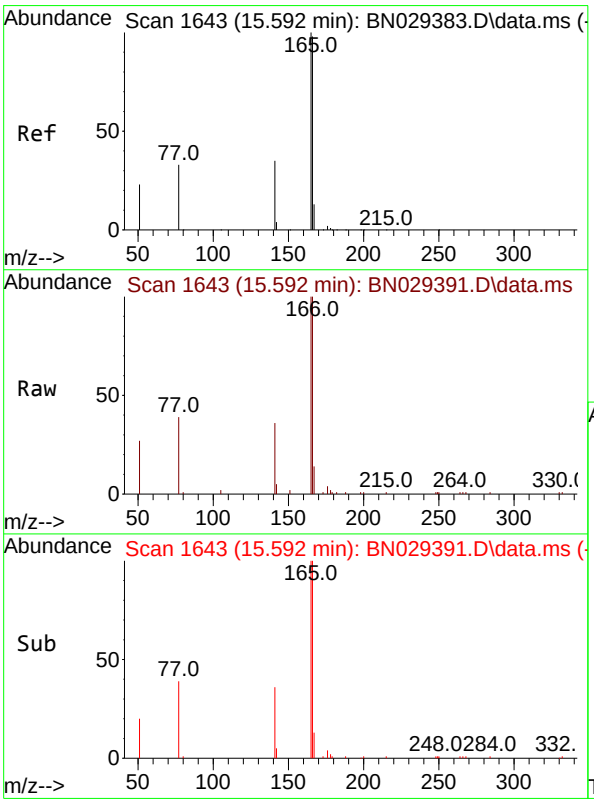
#17
Acenaphthene
Concen: 0.329 ng
RT: 14.607 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 6815

Ion	Ratio	Lower	Upper
154	100		
153	117.7	93.6	140.4
152	61.8	49.0	73.4

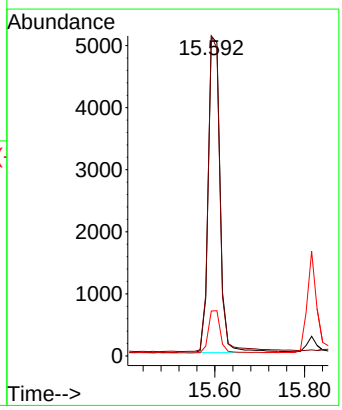


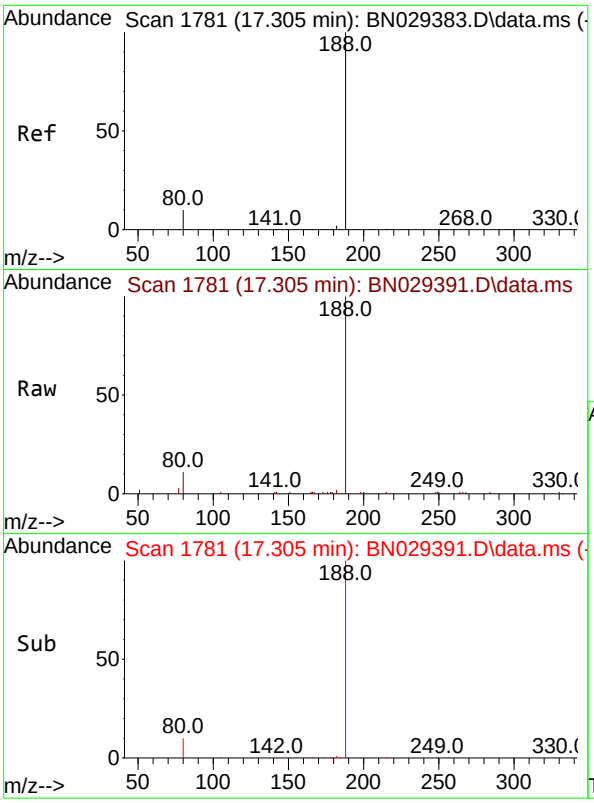


#18
Fluorene
Concen: 0.337 ng
RT: 15.592 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:166 Resp: 9280

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.7	119.5
167	13.6	10.7	16.1



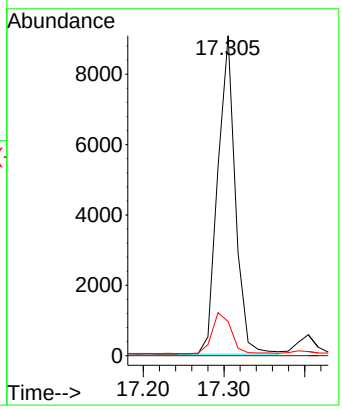


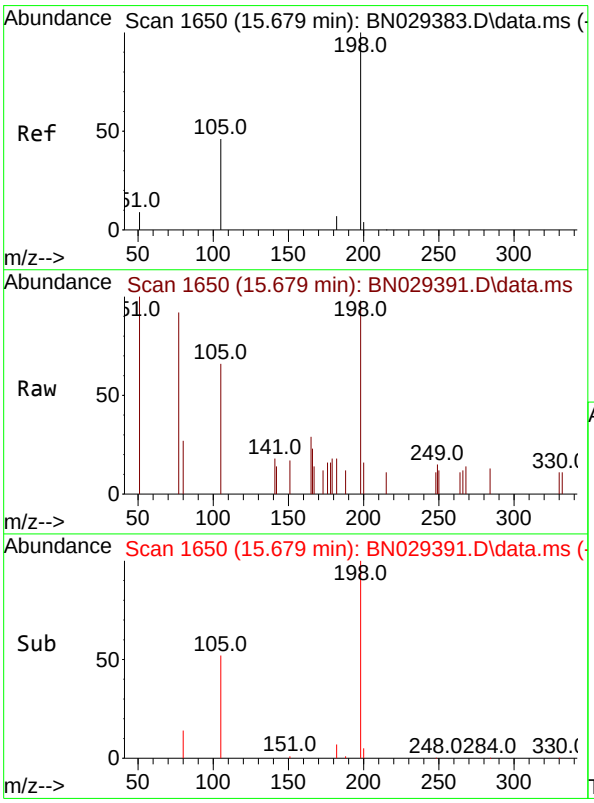
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 13685

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	8.8	13.2

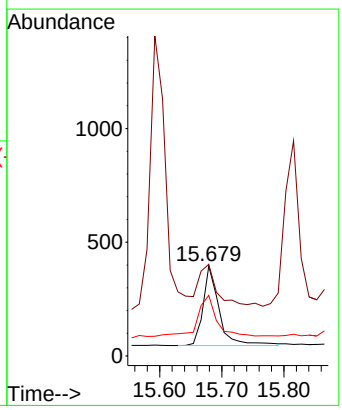


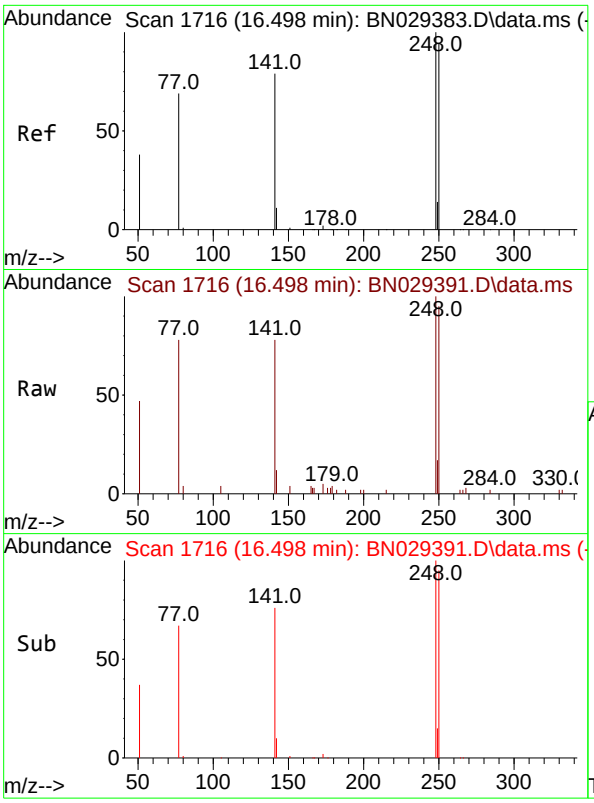


#20
4,6-Dinitro-2-methylphenol
Concen: 0.335 ng
RT: 15.679 min Scan# 1650
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:198 Resp: 630

Ion	Ratio	Lower	Upper
198	100		
51	102.0	68.3	102.5
105	67.6	48.8	73.2



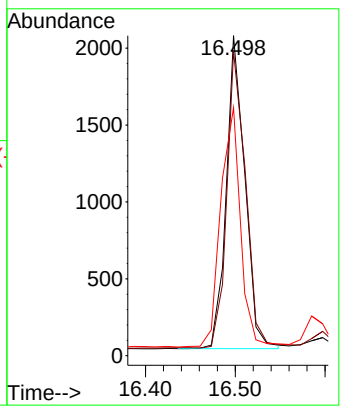


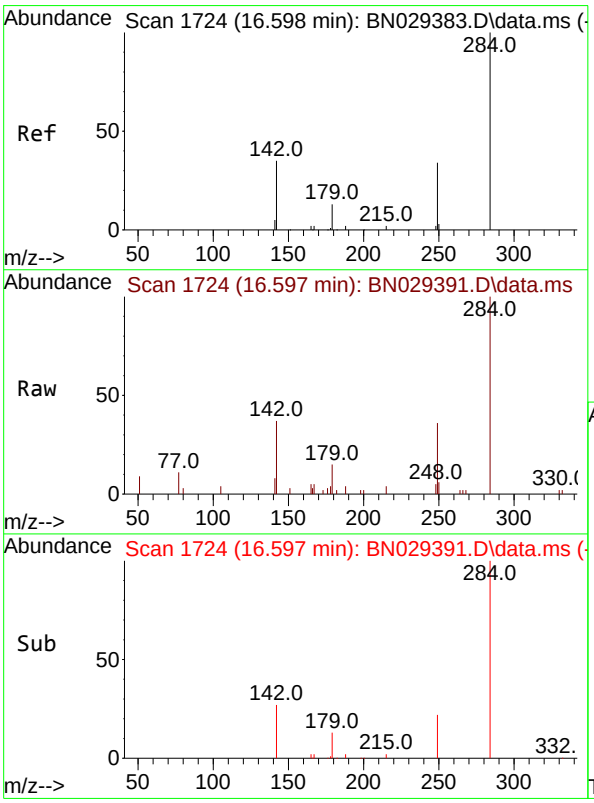
#21
4-Bromophenyl-phenylether
Concen: 0.315 ng
RT: 16.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2924

Ion	Ratio	Lower	Upper
248	100		
250	95.1	75.6	113.4
141	77.5	64.0	96.0

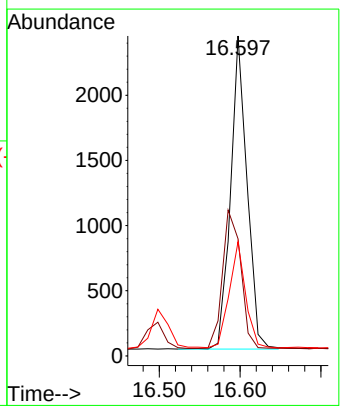


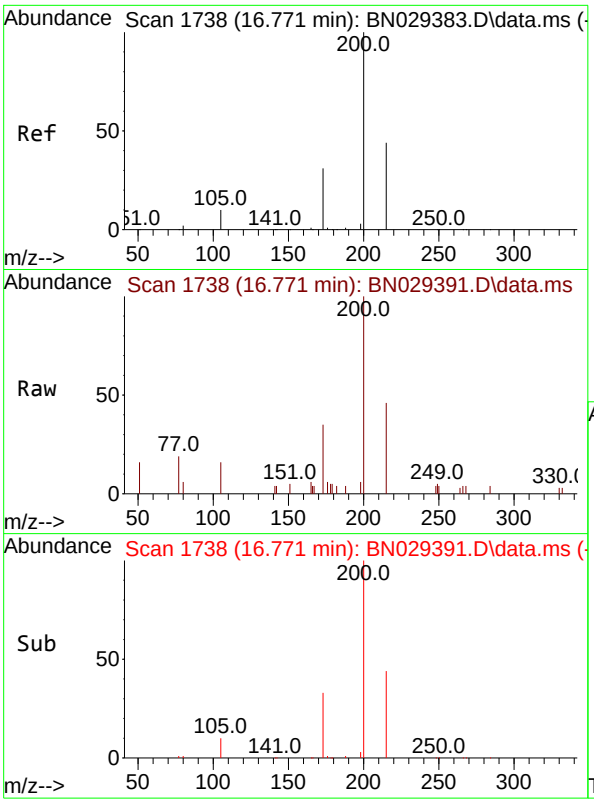


#22
Hexachlorobenzene
Concen: 0.319 ng
RT: 16.597 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:284 Resp: 3406

Ion	Ratio	Lower	Upper
284	100		
142	49.2	37.8	56.8
249	33.5	26.7	40.1



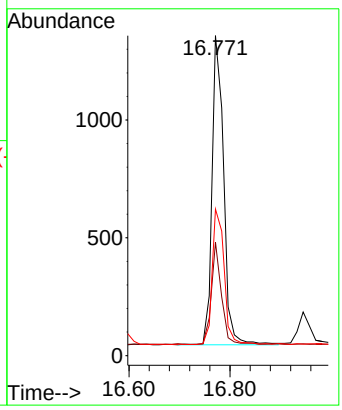


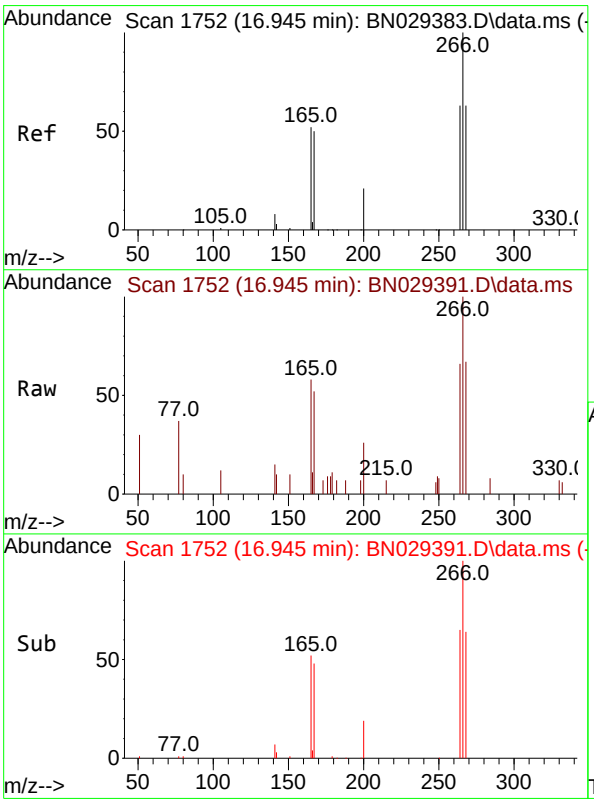
#23
Atrazine
Concen: 0.300 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2093

Ion	Ratio	Lower	Upper
200	100		
173	35.4	26.6	40.0
215	45.8	36.8	55.2

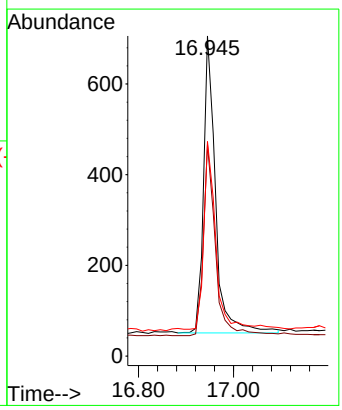


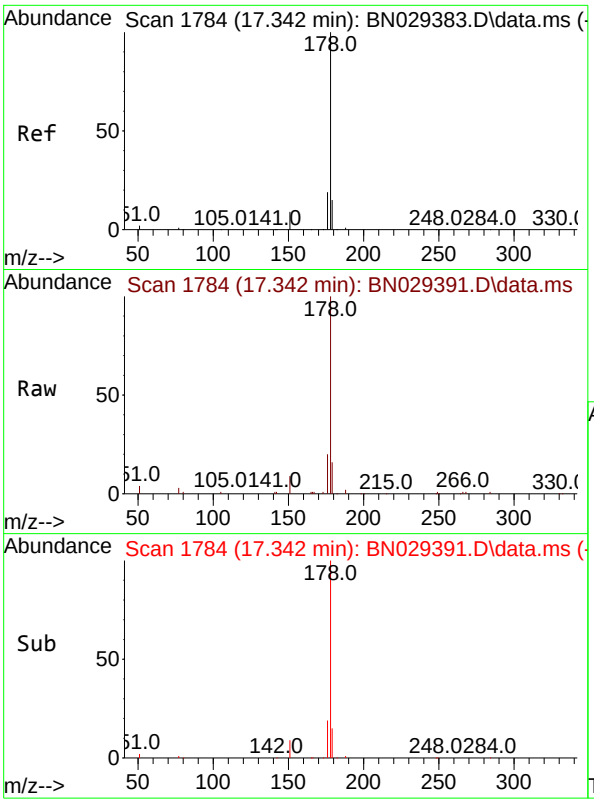


#24
Pentachlorophenol
Concen: 0.353 ng
RT: 16.945 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:266 Resp: 1160

Ion	Ratio	Lower	Upper
266	100		
264	64.5	50.6	75.8
268	63.2	51.9	77.9



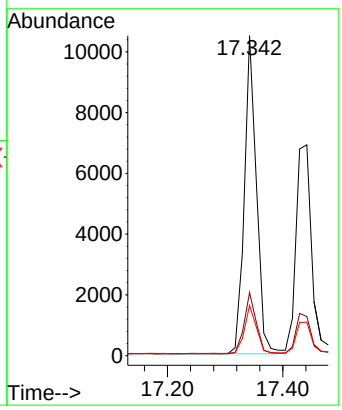


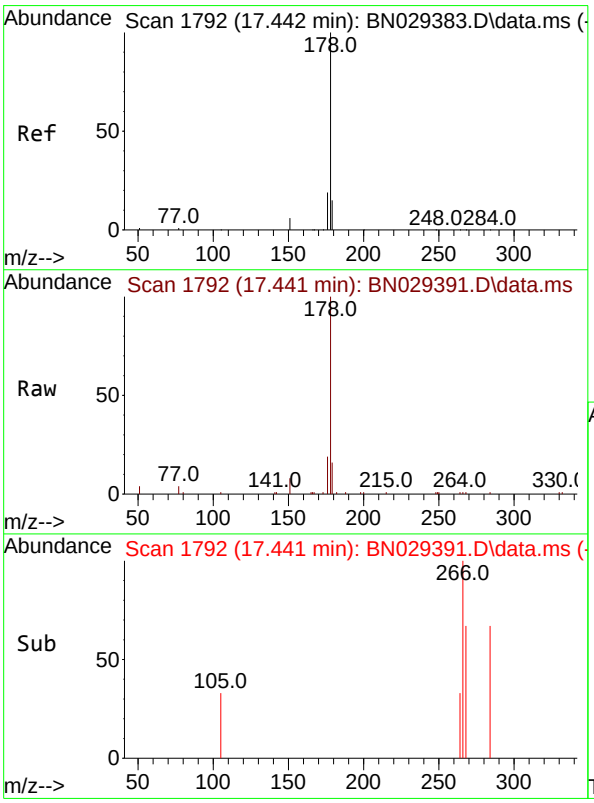
#25
Phenanthrene
Concen: 0.325 ng
RT: 17.342 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 15140

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.1	12.2	18.4

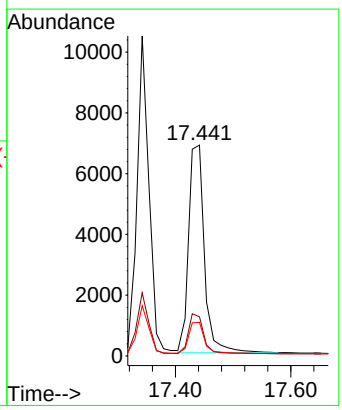


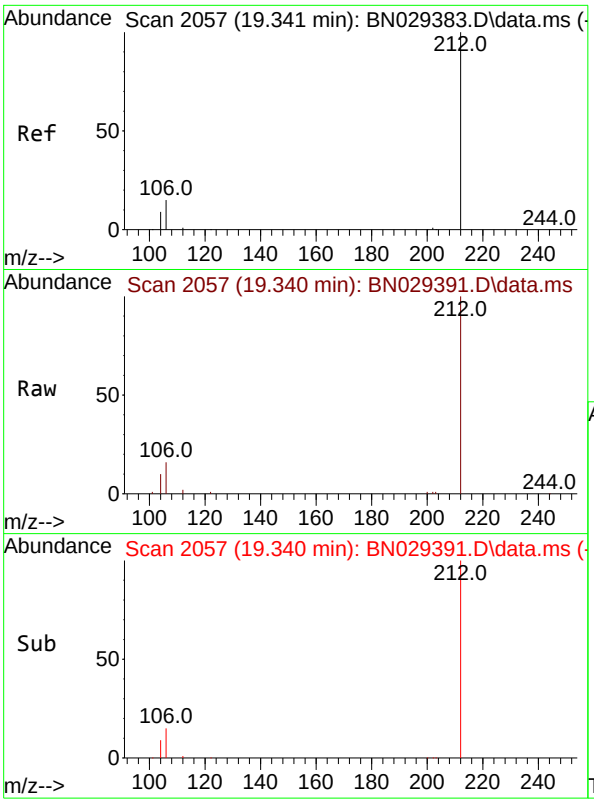


#26
Anthracene
Concen: 0.315 ng
RT: 17.441 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:178 Resp: 12971

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.3	12.1	18.1



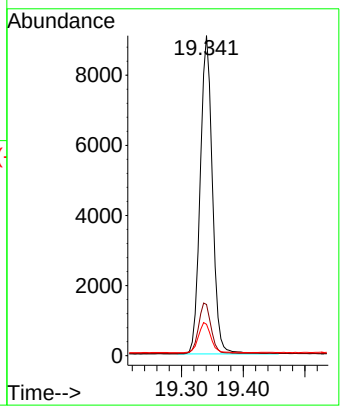


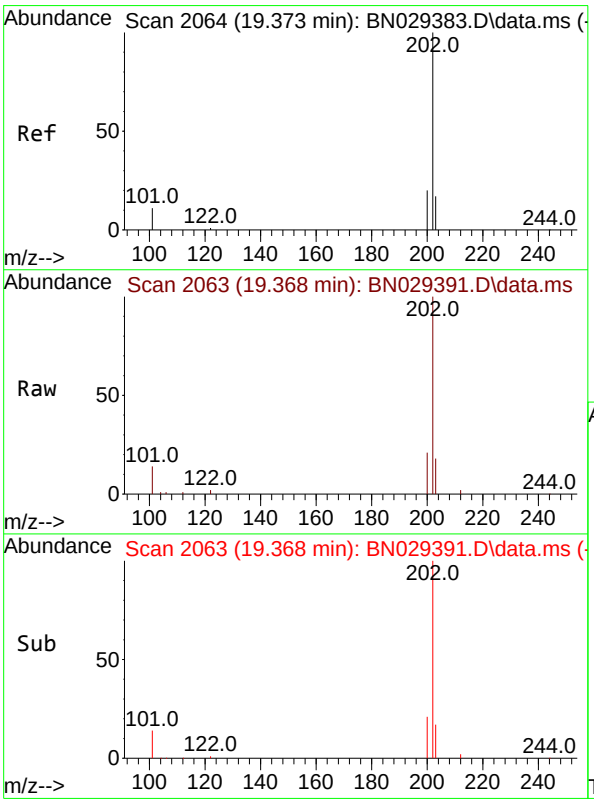
#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.340 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12492

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.8	19.2
104	9.6	7.7	11.5

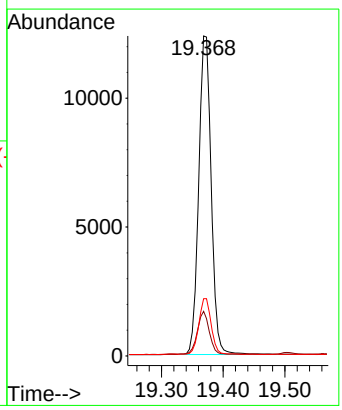


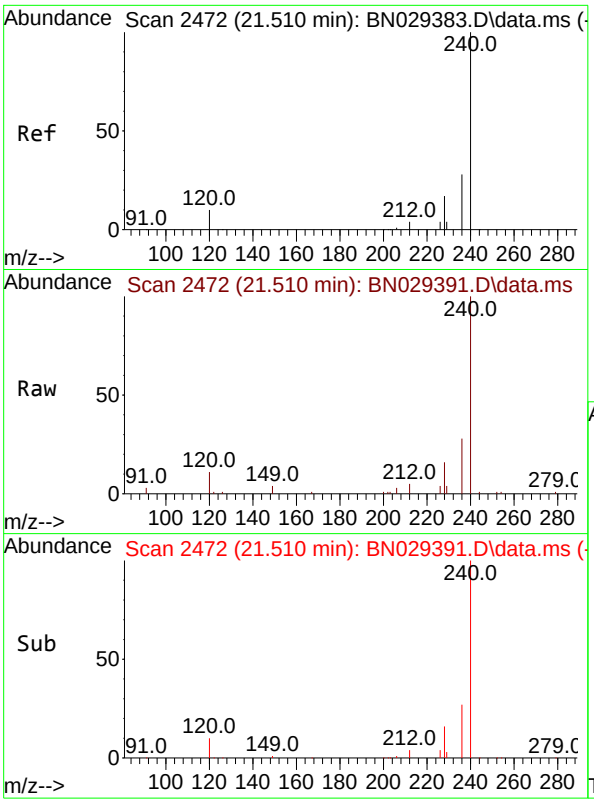


#28
Fluoranthene
Concen: 0.317 ng
RT: 19.368 min Scan# 2063
Delta R.T. -0.005 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:202 Resp: 17368

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.5	15.7
203	17.2	13.8	20.6



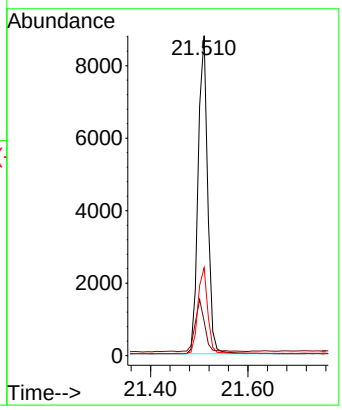


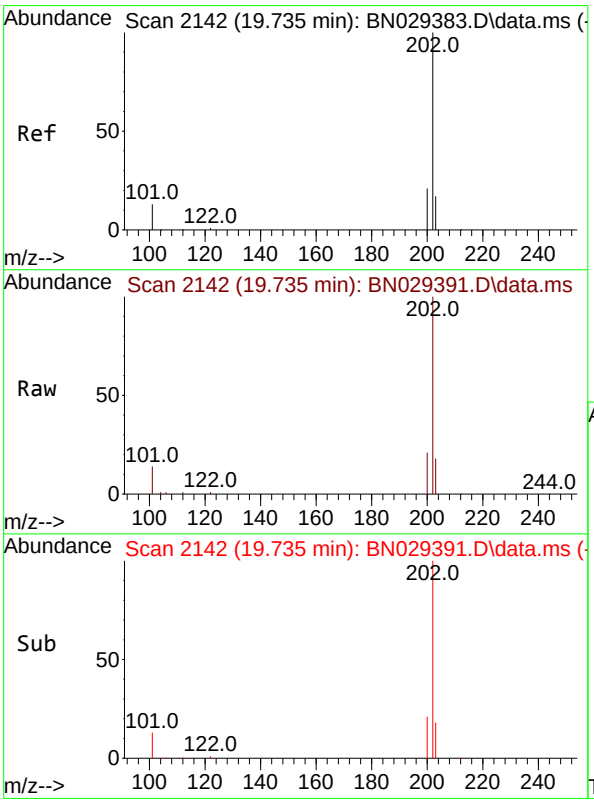
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.510 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 11941

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	27.5	22.6	34.0

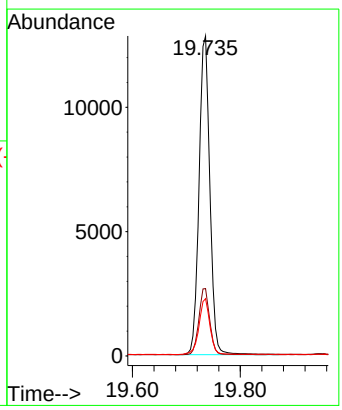


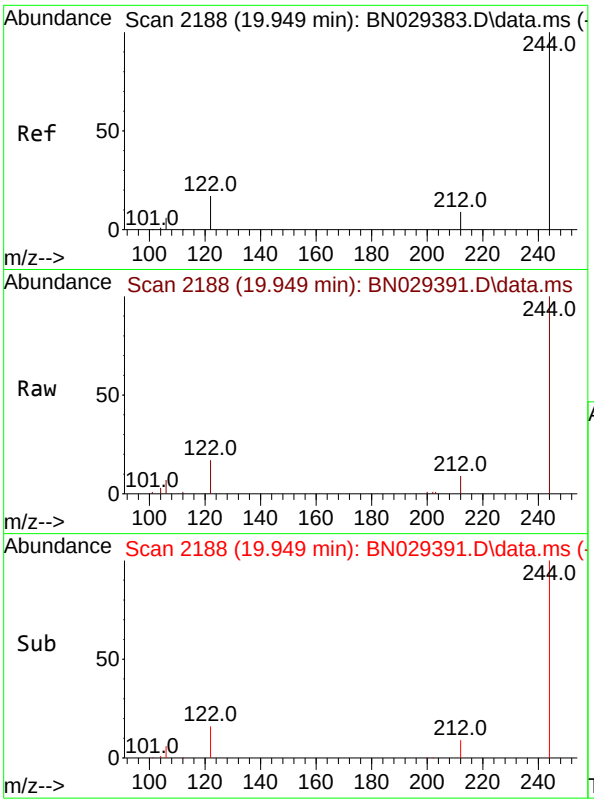


#30
Pyrene
Concen: 0.328 ng
RT: 19.735 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:202 Resp: 17779

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.9	14.2	21.2



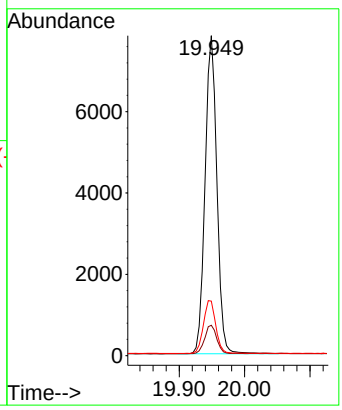


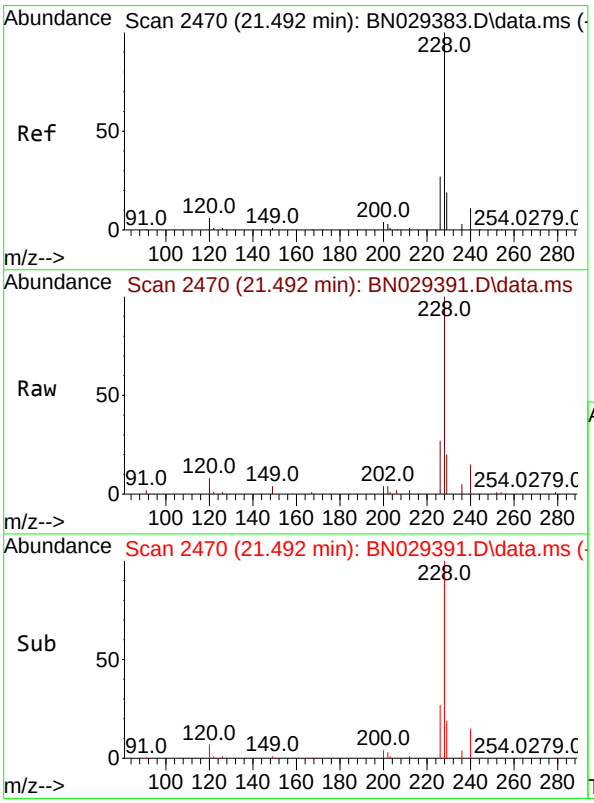
#31
Terphenyl-d14
Concen: 0.330 ng
RT: 19.949 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 9803

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	17.0	13.8	20.8

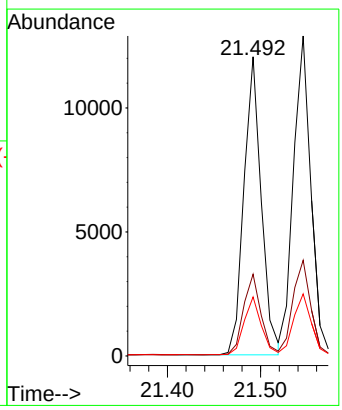


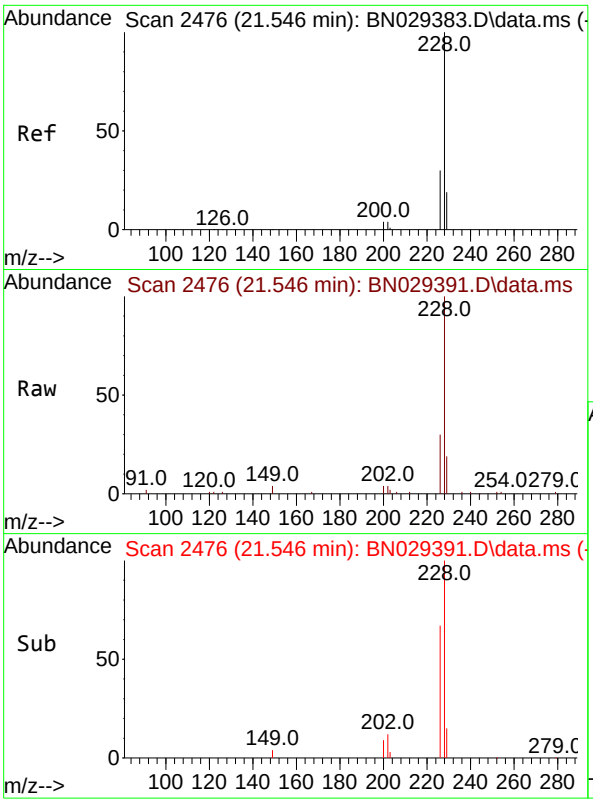


#32
Benzo(a)anthracene
Concen: 0.321 ng
RT: 21.492 min Scan# 2470
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:228 Resp: 15578

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



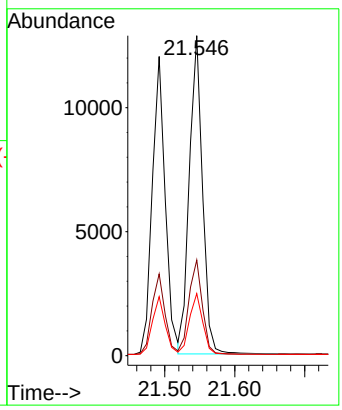


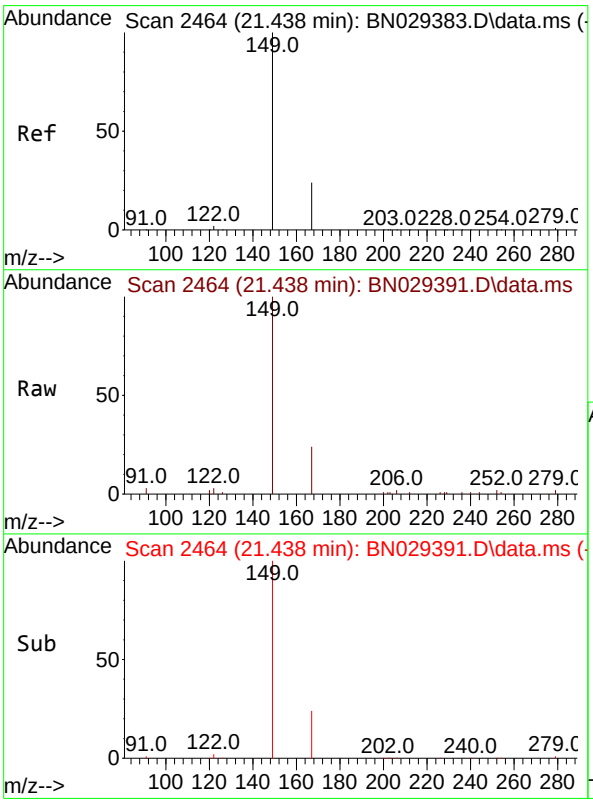
#33
Chrysene
Concen: 0.332 ng
RT: 21.546 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 16753

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.4	15.8	23.8

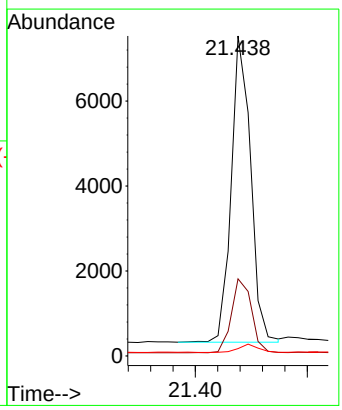


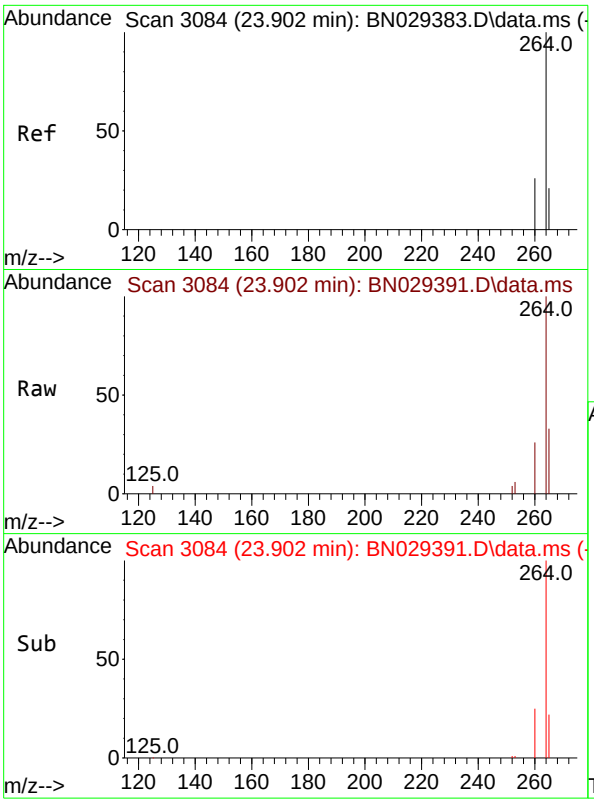


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.290 ng
RT: 21.438 min Scan# 2464
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:149 Resp: 8660

Ion	Ratio	Lower	Upper
149	100		
167	25.1	19.5	29.3
279	2.8	2.1	3.1



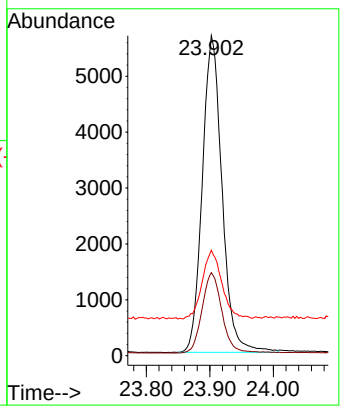


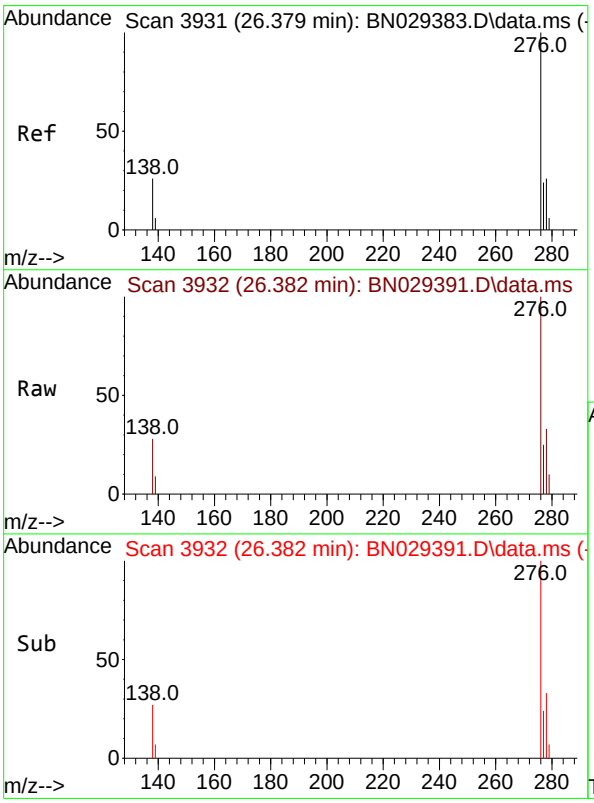
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.902 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 12227

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.3	31.9
265	33.0	25.7	38.5

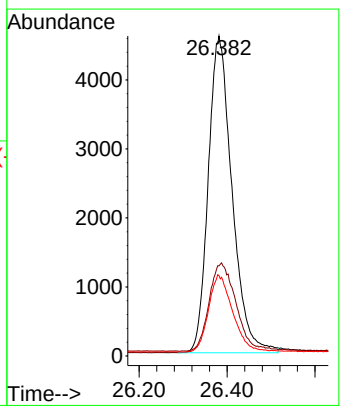


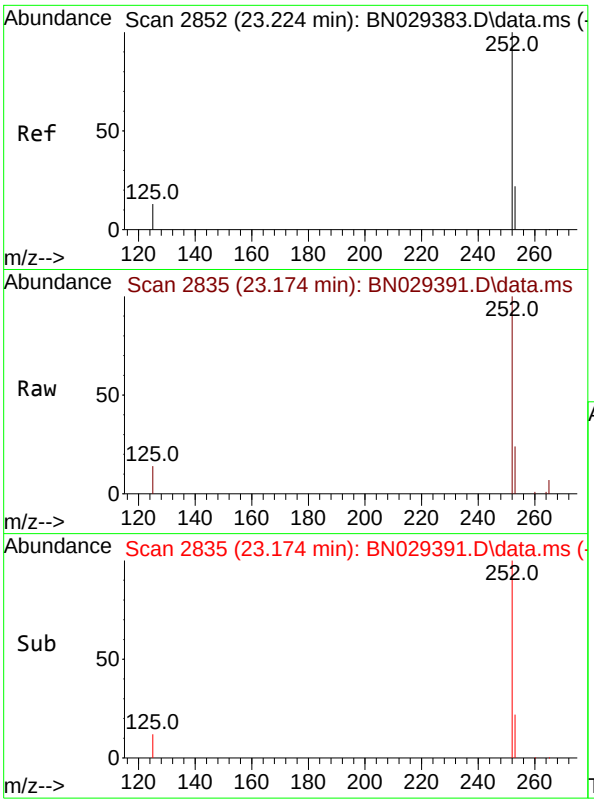


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.326 ng
RT: 26.382 min Scan# 3932
Delta R.T. 0.003 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:276 Resp: 17226

Ion	Ratio	Lower	Upper
276	100		
138	31.2	24.8	37.2
277	24.8	19.9	29.9



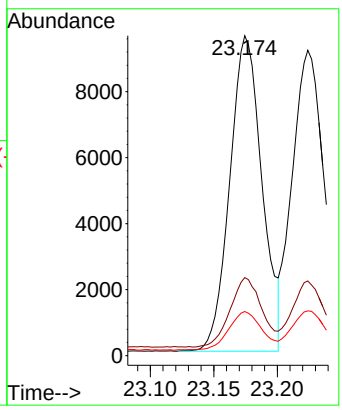


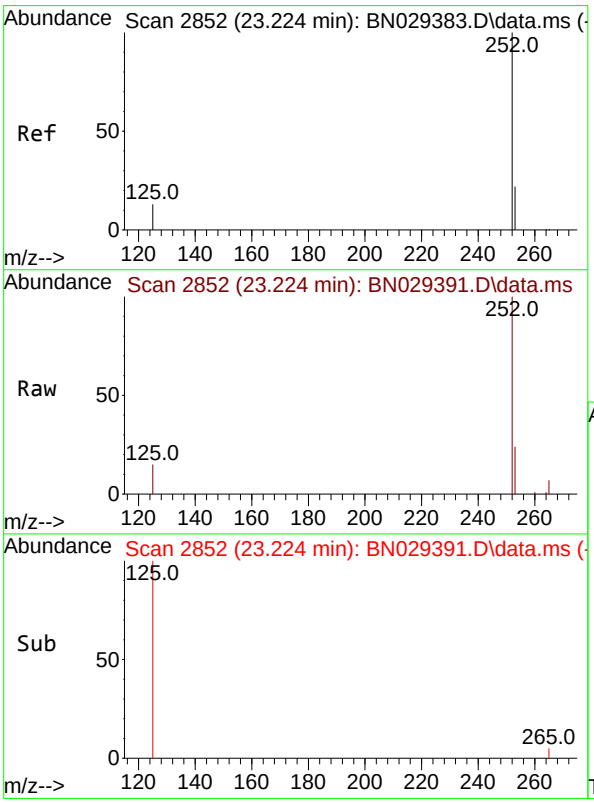
#37
Benzo(b)fluoranthene
Concen: 0.326 ng
RT: 23.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16854

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.9	28.3
125	13.8	10.7	16.1

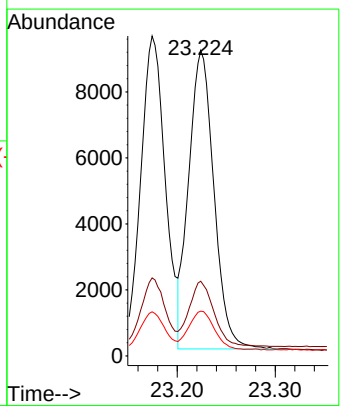


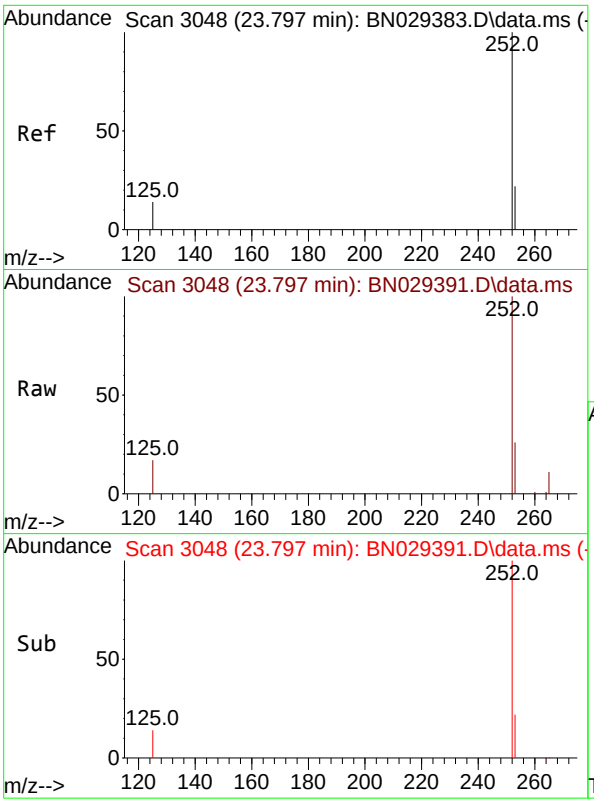


#38
Benzo(k)fluoranthene
Concen: 0.321 ng
RT: 23.224 min Scan# 2852
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:252 Resp: 16172

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.8	29.6
125	14.7	11.4	17.2



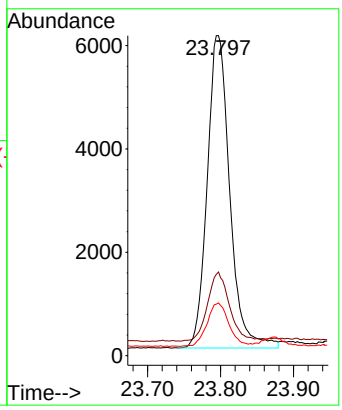


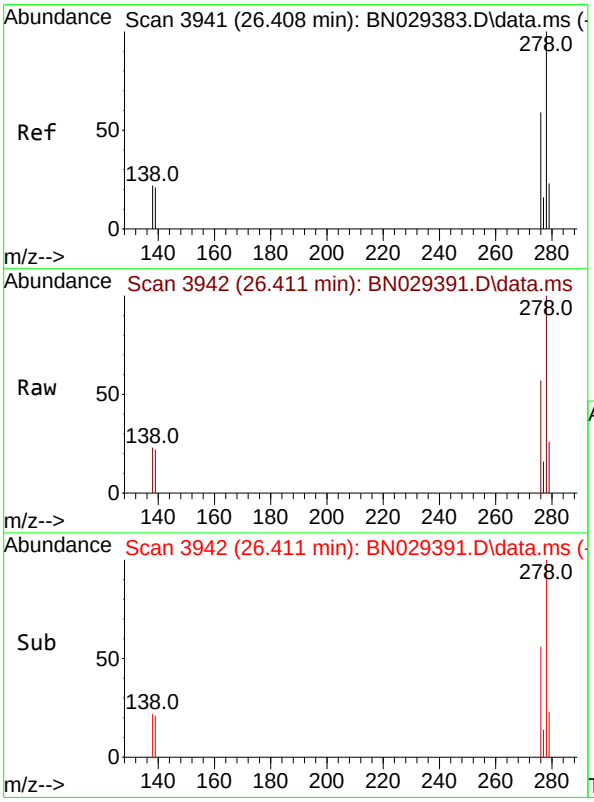
#39
Benzo(a)pyrene
Concen: 0.312 ng
RT: 23.797 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12994

Ion	Ratio	Lower	Upper
252	100		
253	26.1	20.6	30.8
125	16.5	13.0	19.6

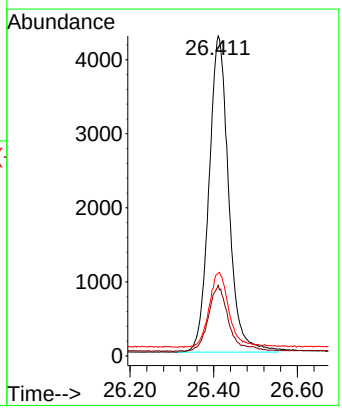


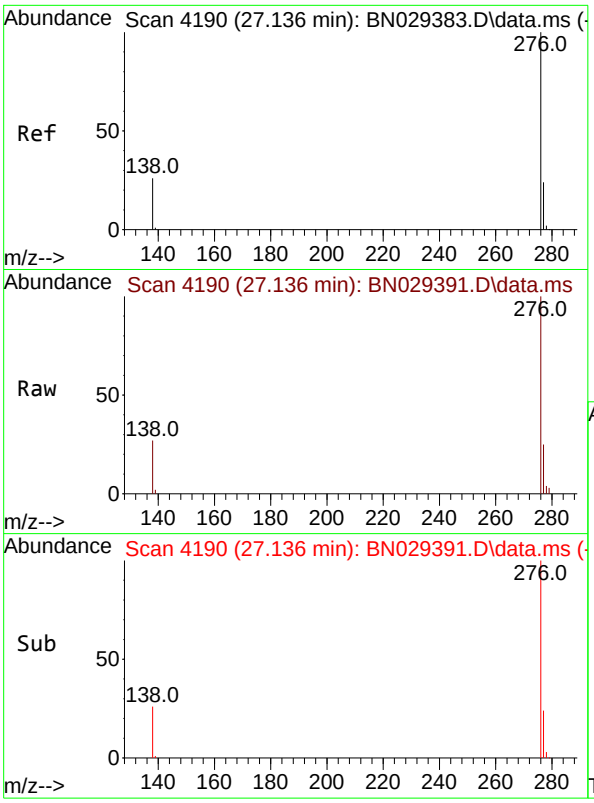


#40
Dibenzo(a,h)anthracene
Concen: 0.328 ng
RT: 26.411 min Scan# 3942
Delta R.T. 0.003 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Tgt Ion:278 Resp: 13957

Ion	Ratio	Lower	Upper
278	100		
139	22.0	17.8	26.6
279	25.9	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.333 ng
RT: 27.136 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN029391.D
Acq: 26 Jan 2024 11:11

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 15419

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	27.0	22.0	33.0