Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012924\
Data File : BN029402.D
Acq On : 29 Jan 2024 15:51
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jan 30 03:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 30 03:19:29 2024
Response via : Initial Calibration

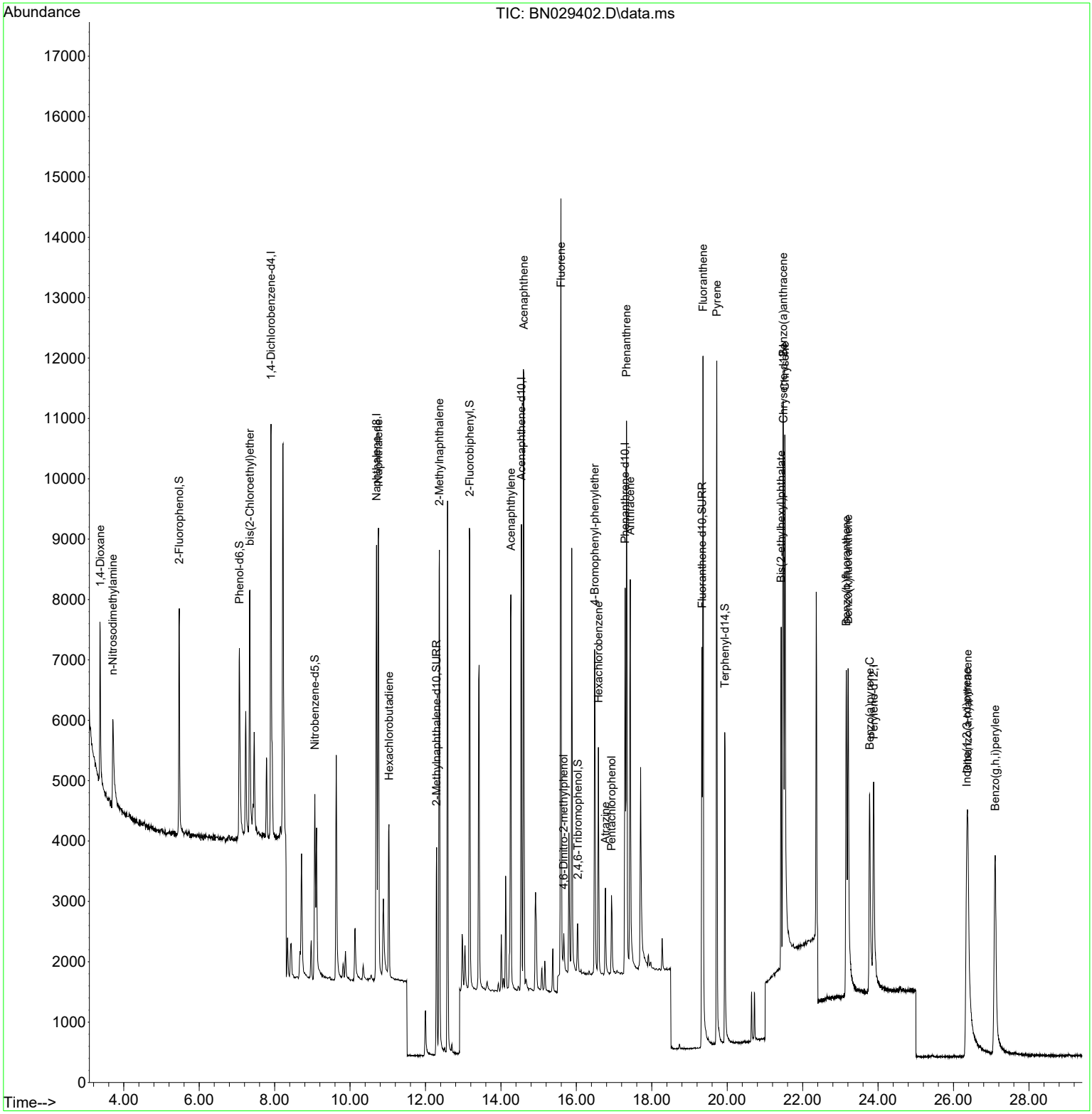
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.905	152	3571	0.400	ng		0.00
7) Naphthalene-d8	10.701	136	9695	0.400	ng		0.00
13) Acenaphthene-d10	14.543	164	4525	0.400	ng		0.00
19) Phenanthrene-d10	17.293	188	8820	0.400	ng		0.00
29) Chrysene-d12	21.492	240	5892	0.400	ng		0.00
35) Perylene-d12	23.885	264	5795	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.471	112	3251	0.333	ng		0.00
5) Phenol-d6	7.067	99	3604	0.275	ng		0.00
8) Nitrobenzene-d5	9.068	82	3017	0.296	ng		0.00
11) 2-Methylnaphthalene-d10	12.291	152	5018	0.325	ng		0.00
14) 2,4,6-Tribromophenol	16.039	330	525	0.263	ng		0.00
15) 2-Fluorobiphenyl	13.175	172	7549	0.361	ng		0.00
27) Fluoranthene-d10	19.331	212	7856	0.309	ng		0.00
31) Terphenyl-d14	19.935	244	5834	0.397	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.377	88	2016	0.419	ng		100
3) n-Nitrosodimethylamine	3.709	42	1583	0.338	ng		100
6) bis(2-Chloroethyl)ether	7.342	93	3513	0.288	ng		100
9) Naphthalene	10.754	128	10824	0.351	ng		100
10) Hexachlorobutadiene	11.032	225	2071	0.367	ng	#	100
12) 2-Methylnaphthalene	12.367	142	6241	0.314	ng		100
16) Acenaphthylene	14.265	152	8018	0.335	ng		100
17) Acenaphthene	14.607	154	5561	0.348	ng		100
18) Fluorene	15.592	166	6892	0.324	ng		100
20) 4,6-Dinitro-2-methylph...	15.667	198	457	0.299	ng		100
21) 4-Bromophenyl-phenylether	16.486	248	1996	0.333	ng		100
22) Hexachlorobenzene	16.585	284	2482	0.361	ng		100
23) Atrazine	16.771	200	1355	0.302	ng		100
24) Pentachlorophenol	16.933	266	710	0.279	ng		100
25) Phenanthrene	17.330	178	9904	0.330	ng		100
26) Anthracene	17.429	178	8167	0.308	ng		100
28) Fluoranthene	19.359	202	10460	0.296	ng		100
30) Pyrene	19.722	202	11035	0.412	ng		100
32) Benzo(a)anthracene	21.483	228	7590	0.316	ng		100
33) Chrysene	21.528	228	8948	0.359	ng		100
34) Bis(2-ethylhexyl)phtha...	21.429	149	5123	0.348	ng		100
36) Indeno(1,2,3-cd)pyrene	26.353	276	8661	0.345	ng		95
37) Benzo(b)fluoranthene	23.157	252	7769	0.317	ng		100
38) Benzo(k)fluoranthene	23.207	252	8073	0.338	ng		100
39) Benzo(a)pyrene	23.777	252	7009	0.355	ng		100
40) Dibenzo(a,h)anthracene	26.379	278	6897	0.342	ng		100
41) Benzo(g,h,i)perylene	27.104	276	8808	0.402	ng		100

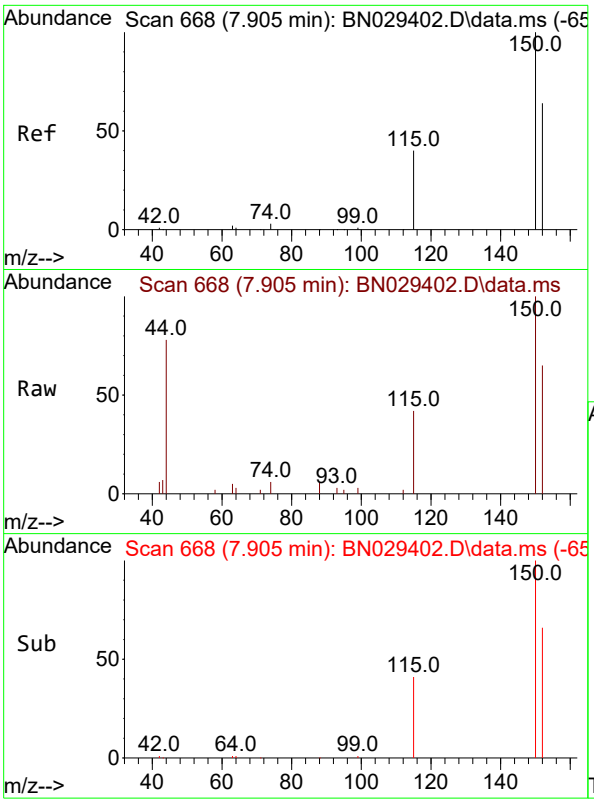
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012924\
Data File : BN029402.D
Acq On : 29 Jan 2024 15:51
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jan 30 03:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 30 03:19:29 2024
Response via : Initial Calibration



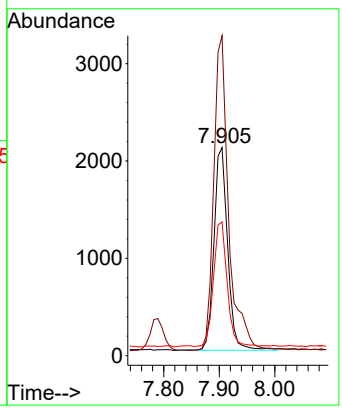


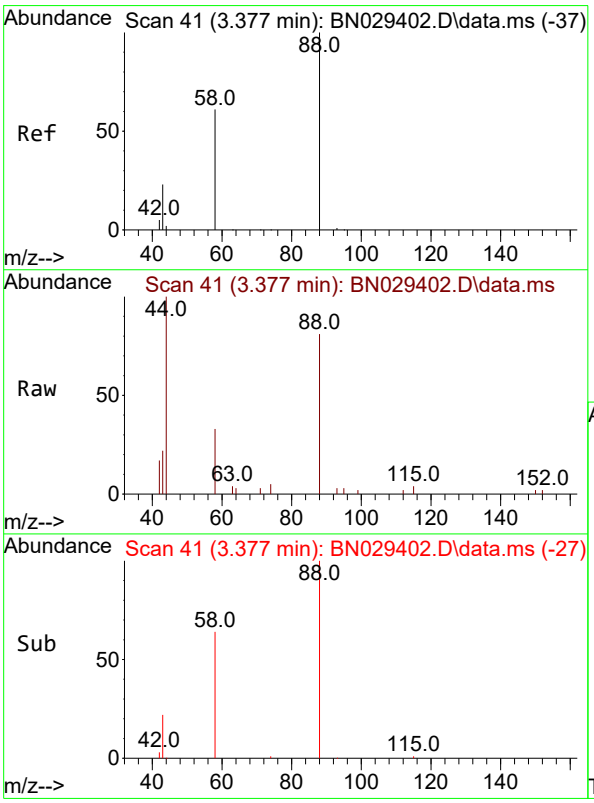
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.905 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3571

Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.0	184.4
115	64.2	51.4	77.0

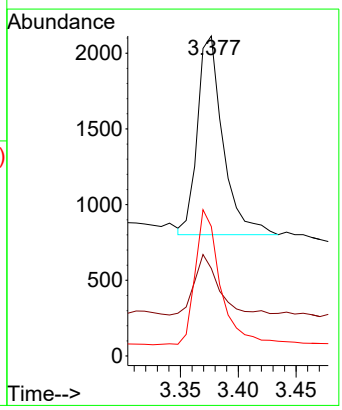


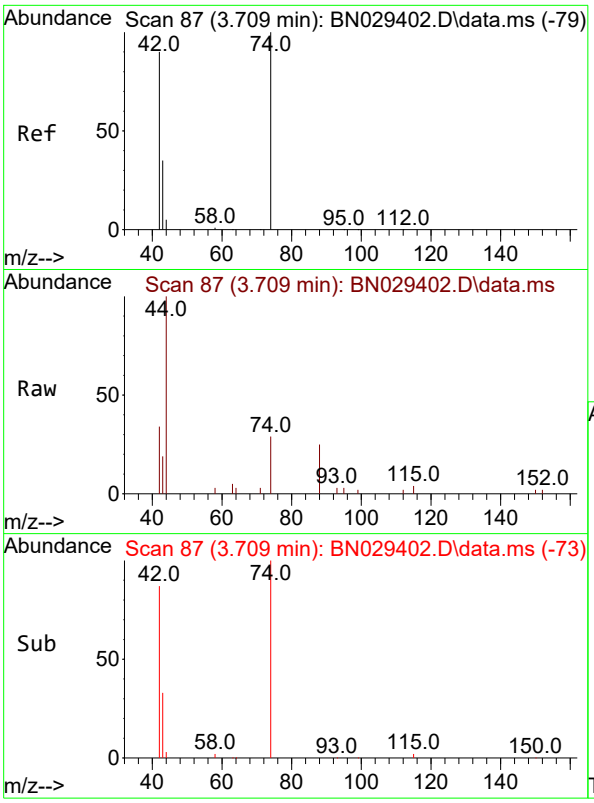


#2
1,4-Dioxane
Concen: 0.419 ng
RT: 3.377 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion: 88 Resp: 2016

Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.3	34.9
58	67.2	53.8	80.6



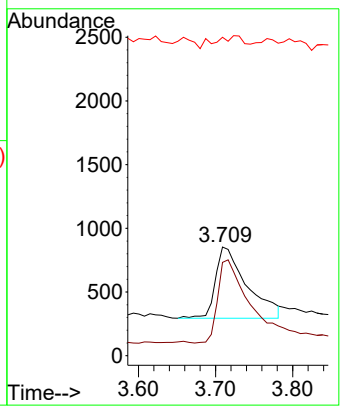


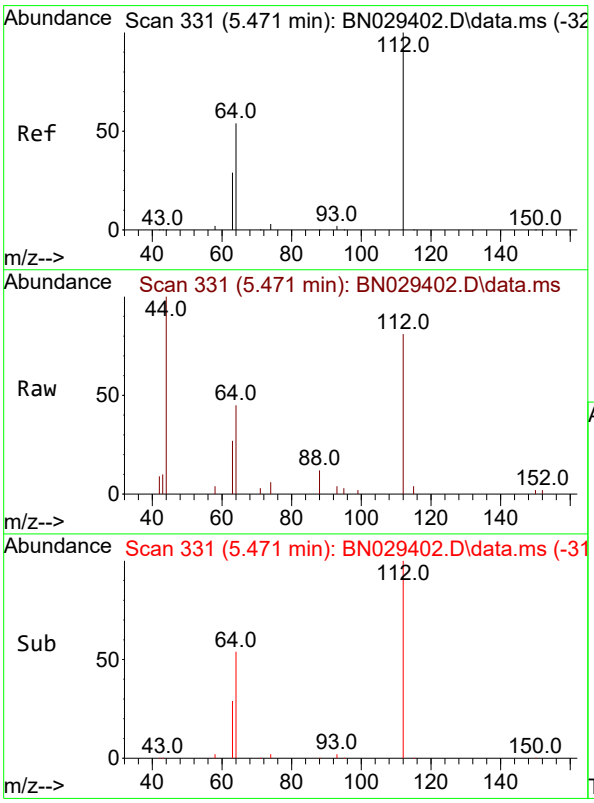
#3
n-Nitrosodimethylamine
Concen: 0.338 ng
RT: 3.709 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1583

Ion	Ratio	Lower	Upper
42	100		
74	117.1	93.7	140.5
44	16.2	13.0	19.4

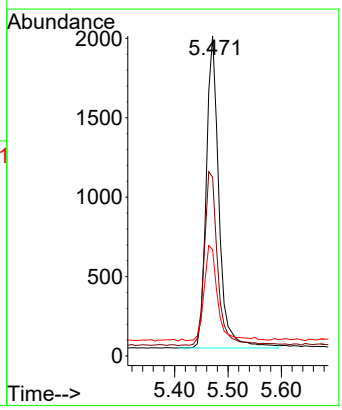


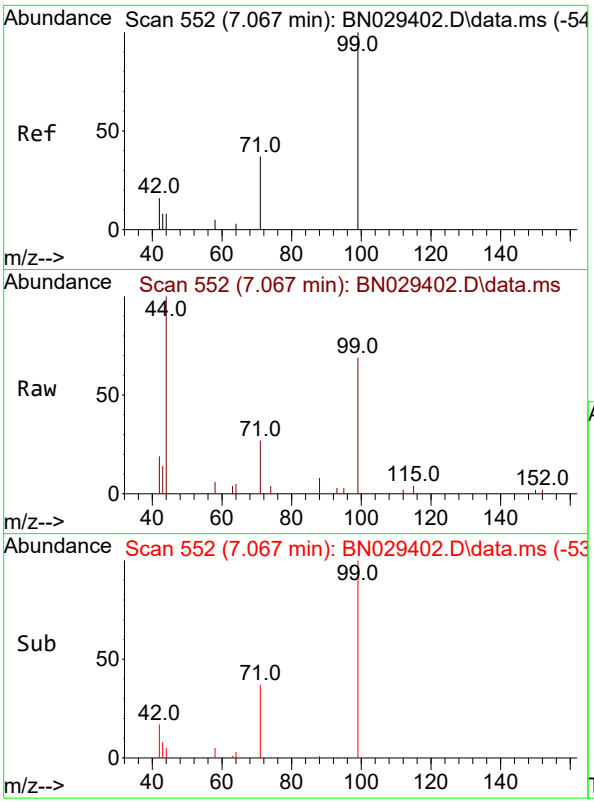


#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.471 min Scan# 331
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:112 Resp: 3251

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.2	70.8
63	32.2	25.8	38.6



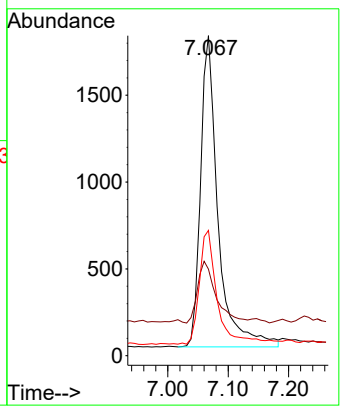


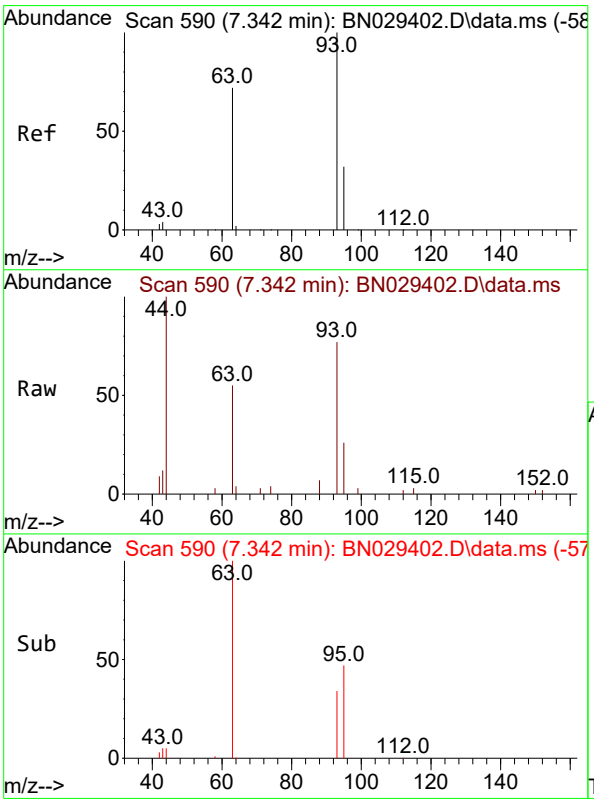
#5
Phenol-d6
Concen: 0.275 ng
RT: 7.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 3604

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.9	25.3
71	37.5	30.0	45.0

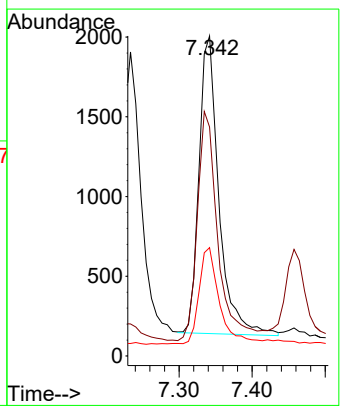


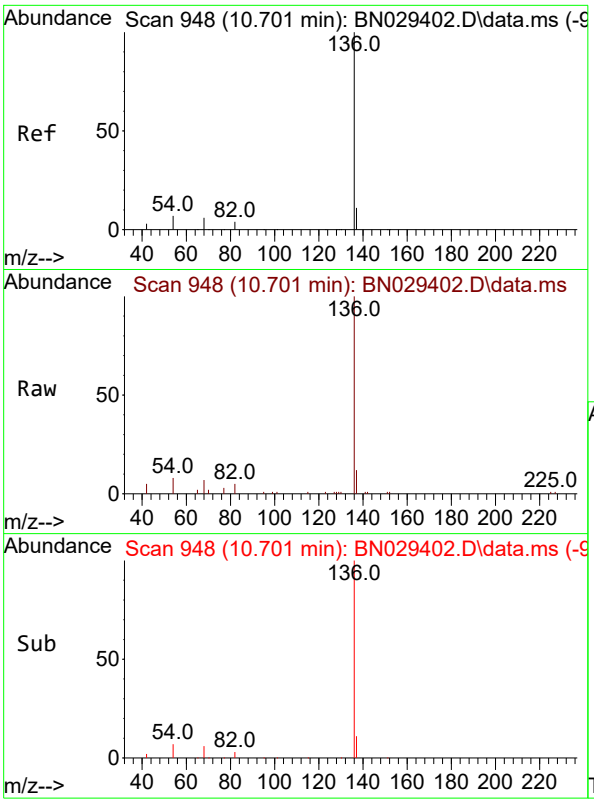


#6
bis(2-Chloroethyl)ether
Concen: 0.288 ng
RT: 7.342 min Scan# 590
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion: 93 Resp: 3513

Ion	Ratio	Lower	Upper
93	100		
63	78.9	63.1	94.7
95	33.9	27.1	40.7



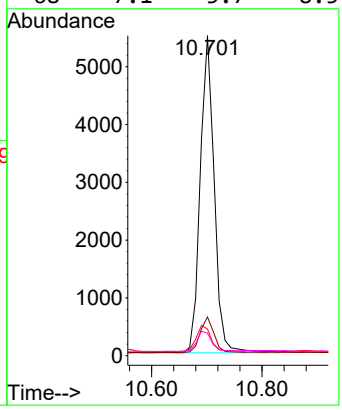


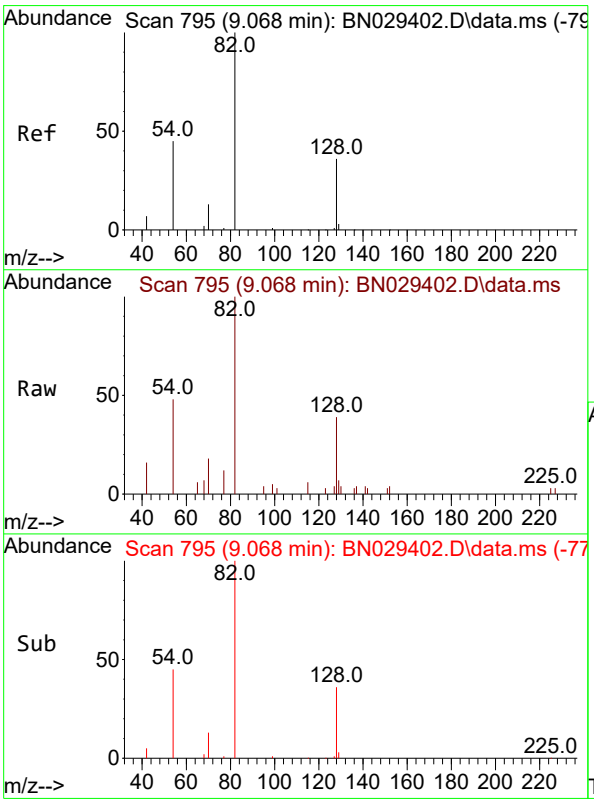
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 9695

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	8.3	6.6	10.0
68	7.1	5.7	8.5

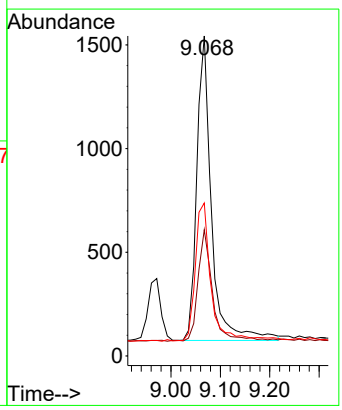


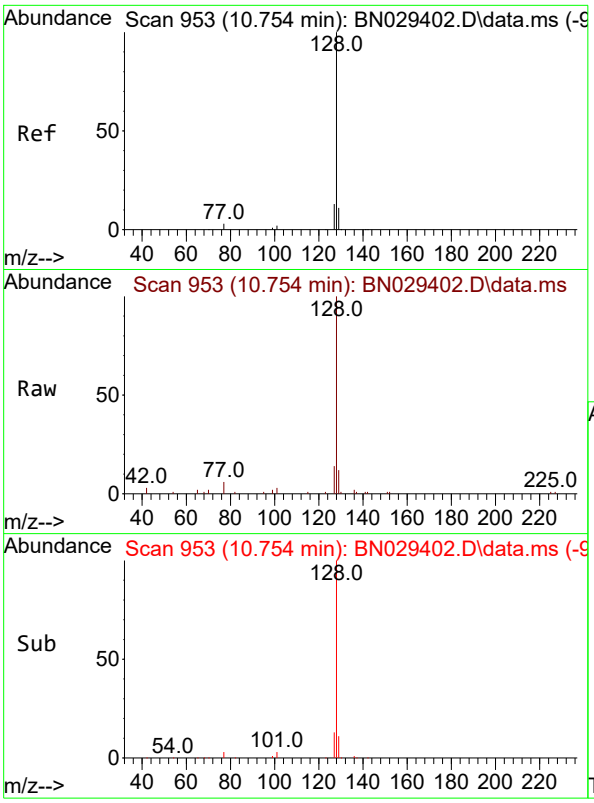


#8
Nitrobenzene-d5
Concen: 0.296 ng
RT: 9.068 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion: 82 Resp: 3017

Ion	Ratio	Lower	Upper
82	100		
128	39.5	31.6	47.4
54	47.8	38.2	57.4



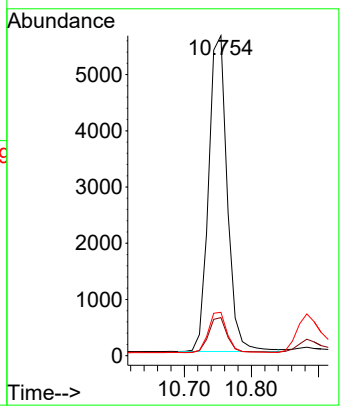


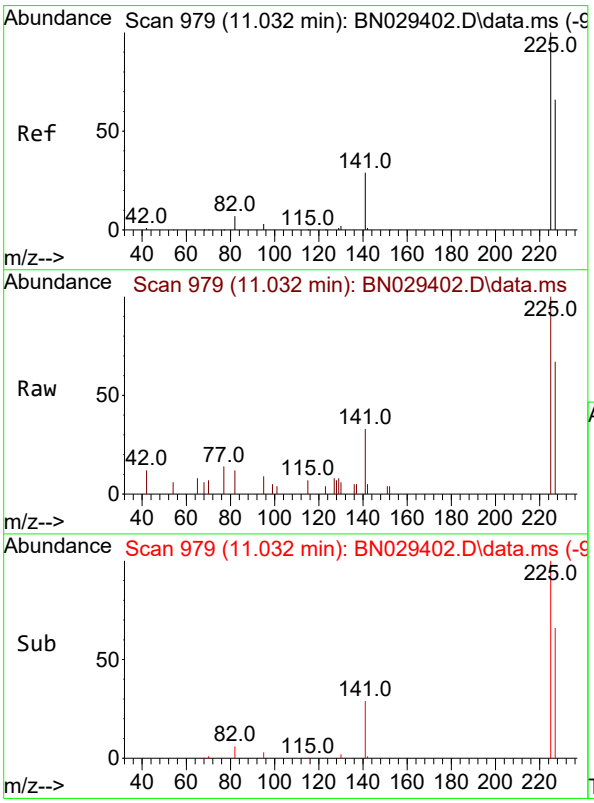
#9
Naphthalene
Concen: 0.351 ng
RT: 10.754 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 10824

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.5	14.3
127	13.5	10.8	16.2

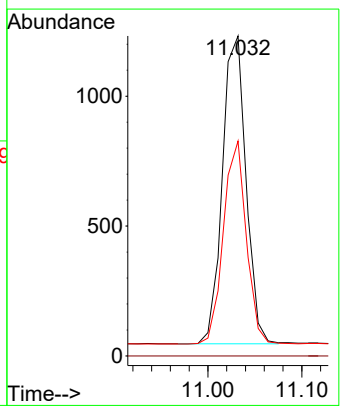


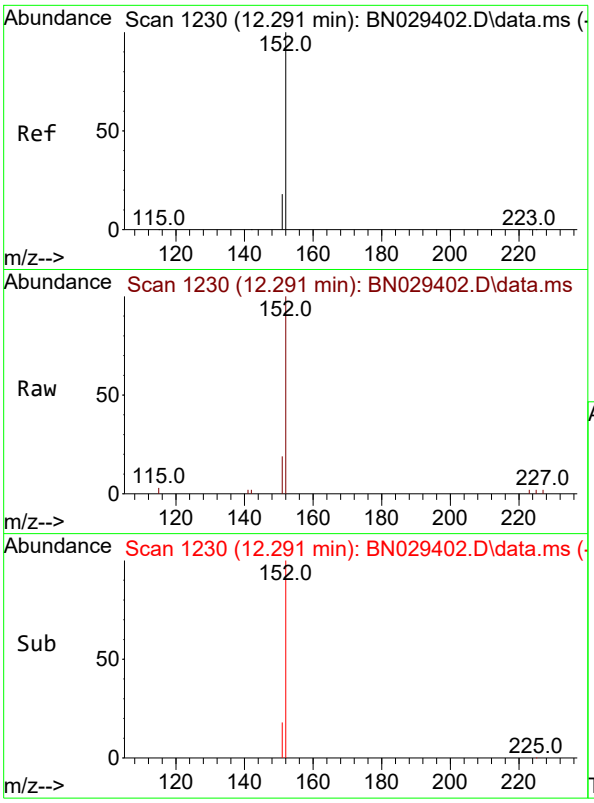


#10
Hexachlorobutadiene
Concen: 0.367 ng
RT: 11.032 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:225 Resp: 2071

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



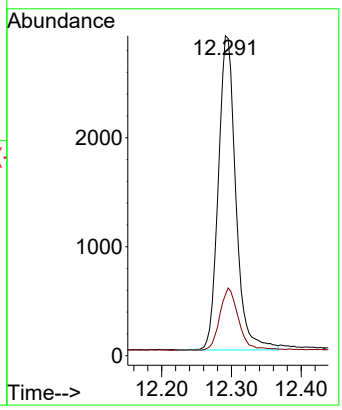


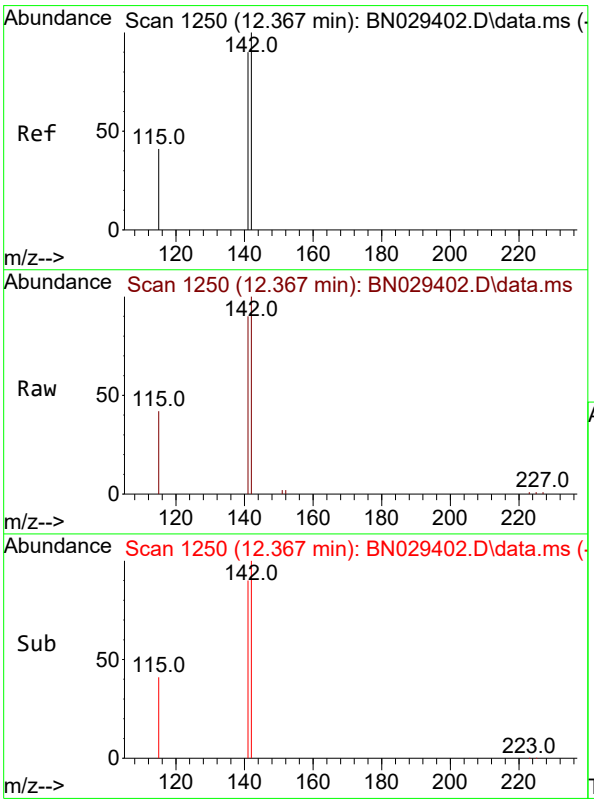
#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 5018

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.1	25.7

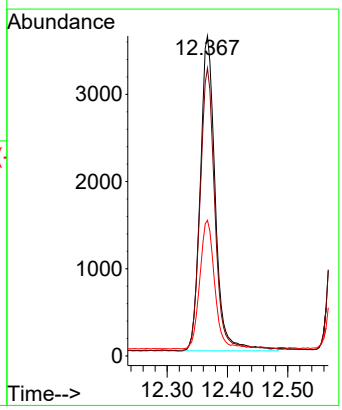


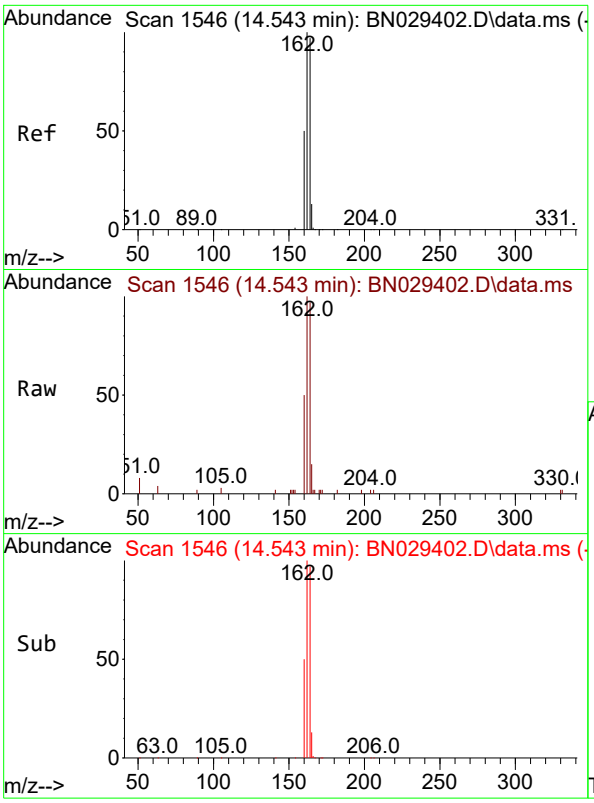


#12
2-Methylnaphthalene
Concen: 0.314 ng
RT: 12.367 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:142 Resp: 6241

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.9	107.9
115	42.4	33.9	50.9



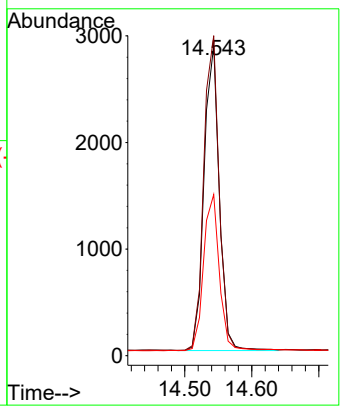


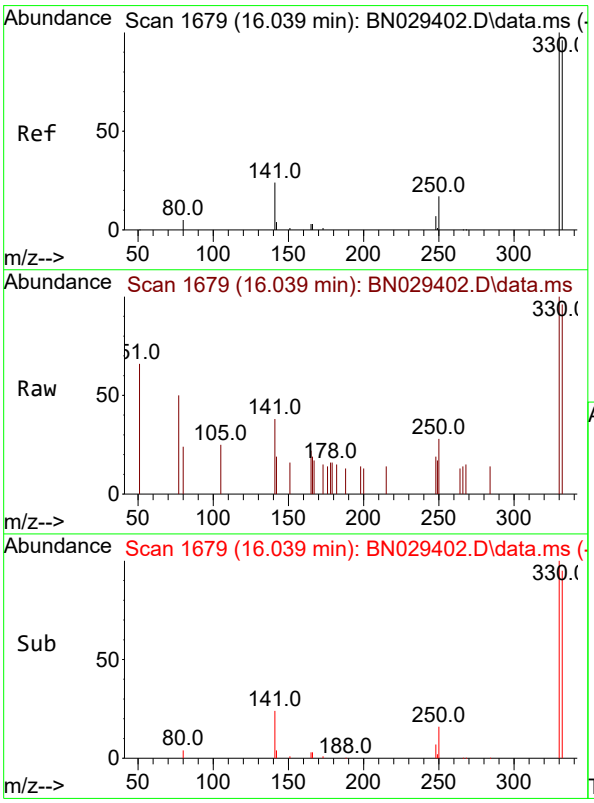
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 4525

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	51.9	41.5	62.3

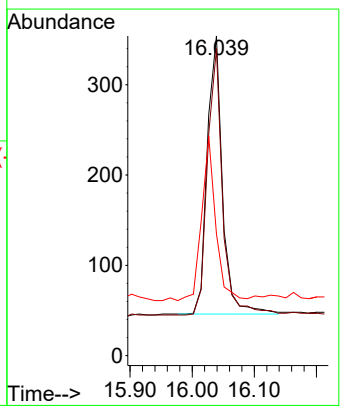


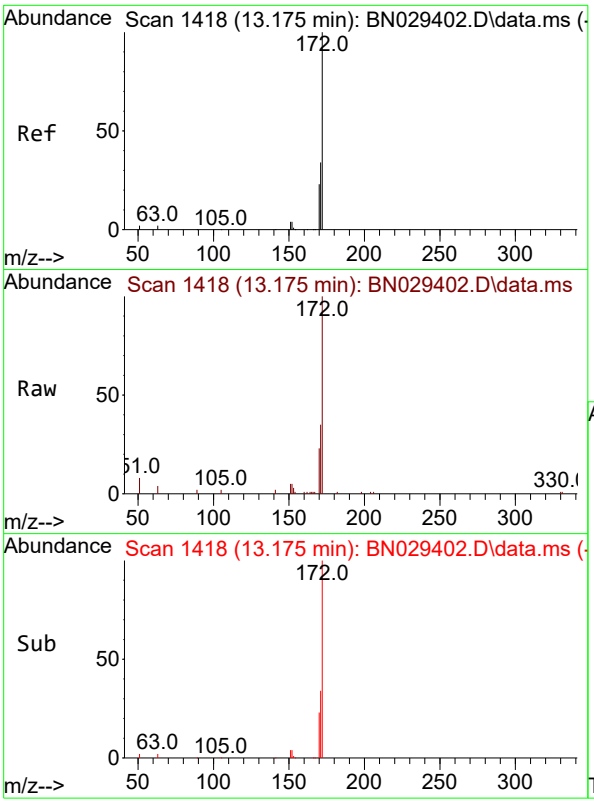


#14
2,4,6-Tribromophenol
Concen: 0.263 ng
RT: 16.039 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:330 Resp: 525

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.0	114.0
141	54.3	43.4	65.2



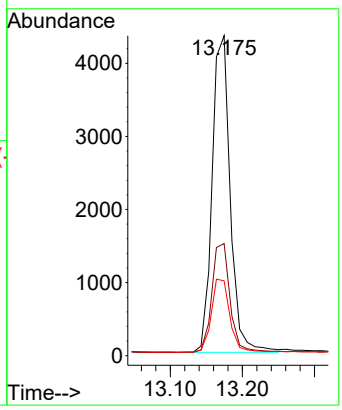


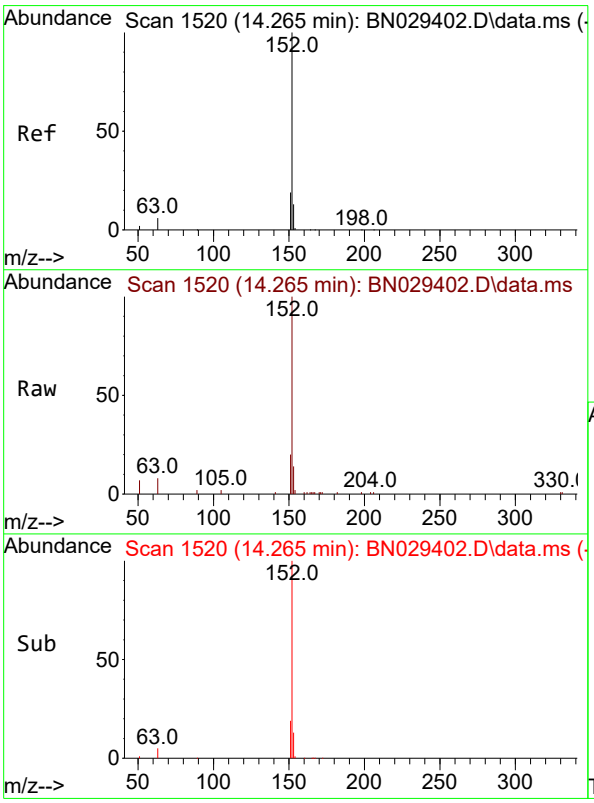
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.175 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 7549

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.0	42.0
170	23.4	18.7	28.1

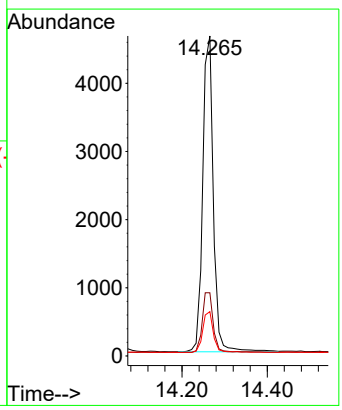


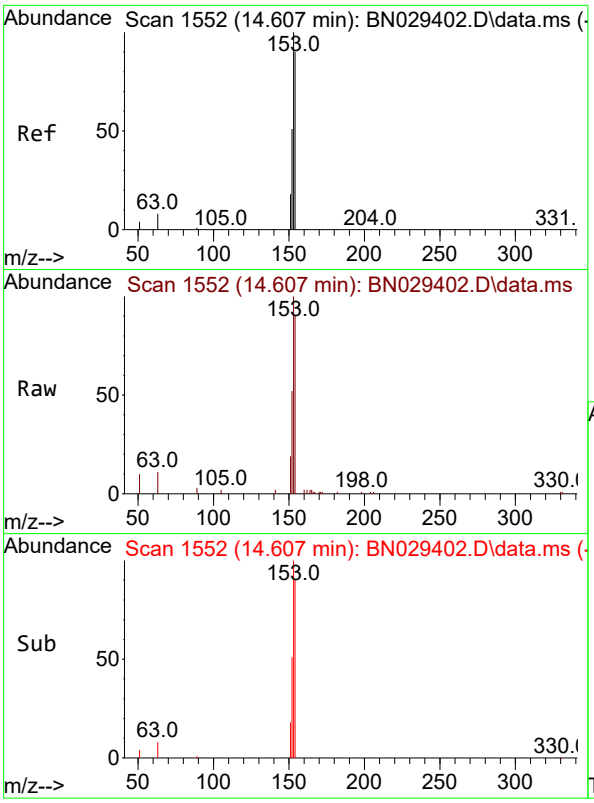


#16
Acenaphthylene
Concen: 0.335 ng
RT: 14.265 min Scan# 1520
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:152 Resp: 8018

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7



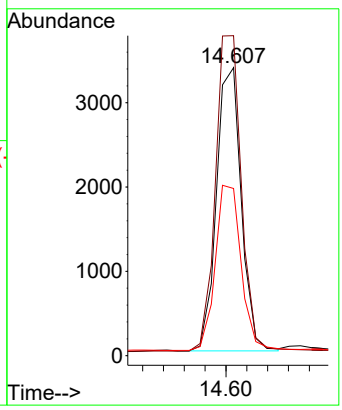


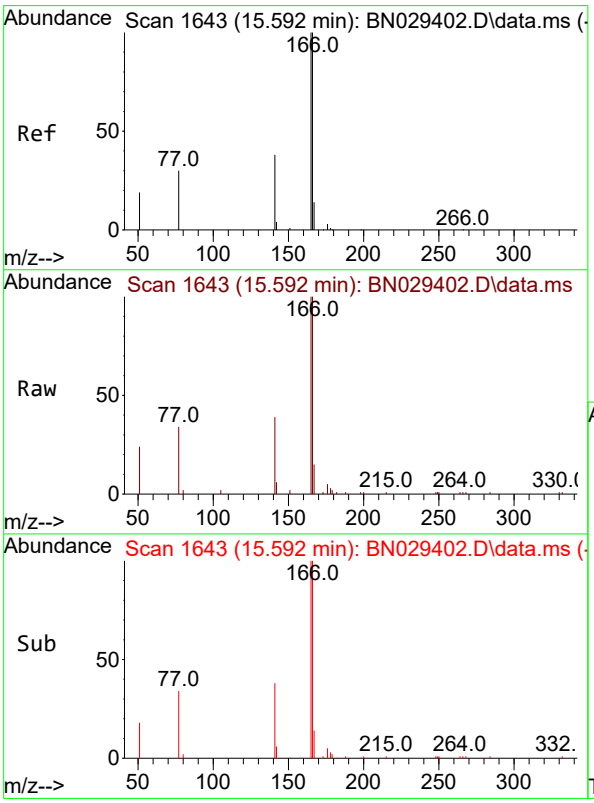
#17
Acenaphthene
Concen: 0.348 ng
RT: 14.607 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 5561

Ion	Ratio	Lower	Upper
154	100		
153	117.0	93.6	140.4
152	60.8	48.6	73.0

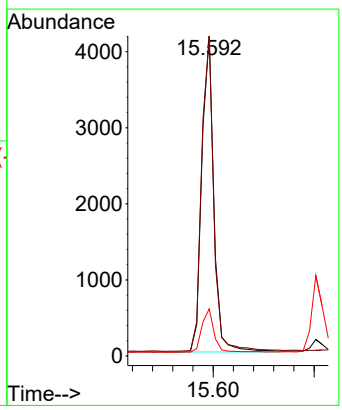


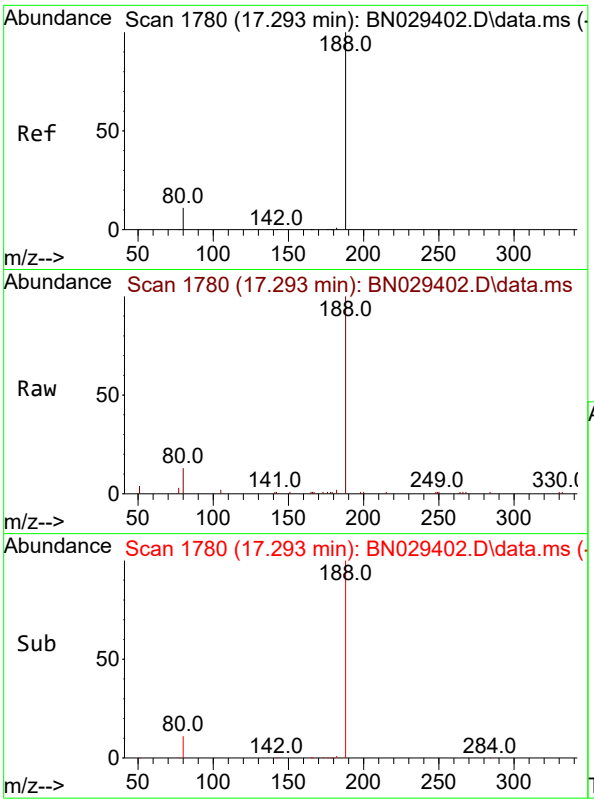


#18
Fluorene
Concen: 0.324 ng
RT: 15.592 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:166 Resp: 6892

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.9	119.9
167	14.1	11.3	16.9



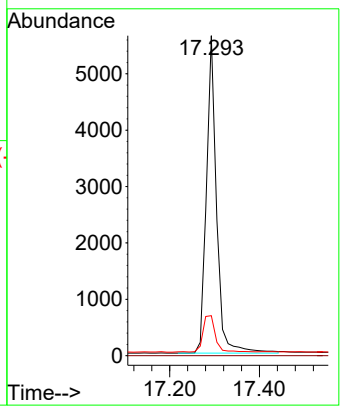


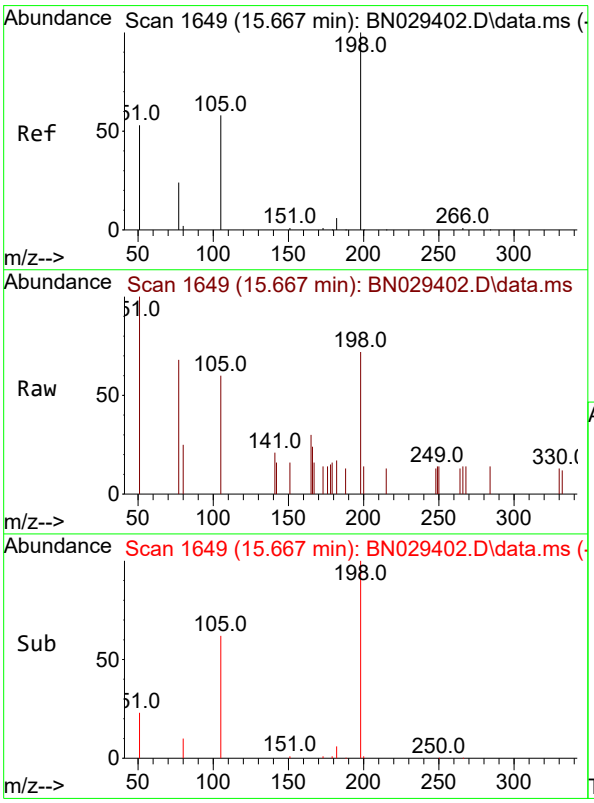
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 8820

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	10.0	15.0

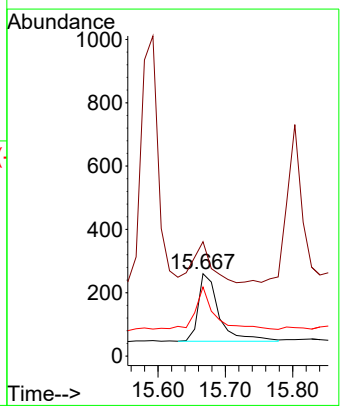


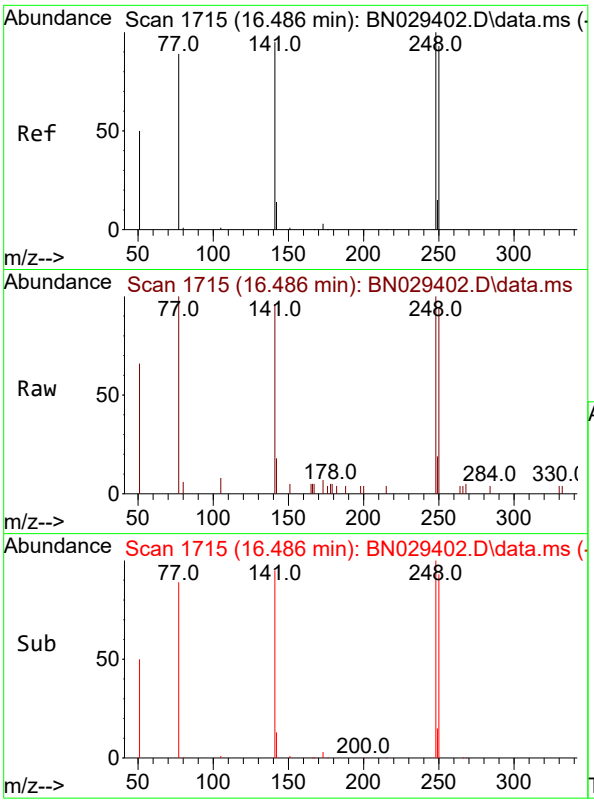


#20
4,6-Dinitro-2-methylphenol
Concen: 0.299 ng
RT: 15.667 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:198 Resp: 457

Ion	Ratio	Lower	Upper
198	100		
51	138.8	111.0	166.6
105	83.8	67.0	100.6



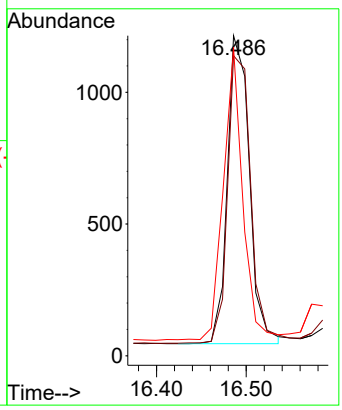


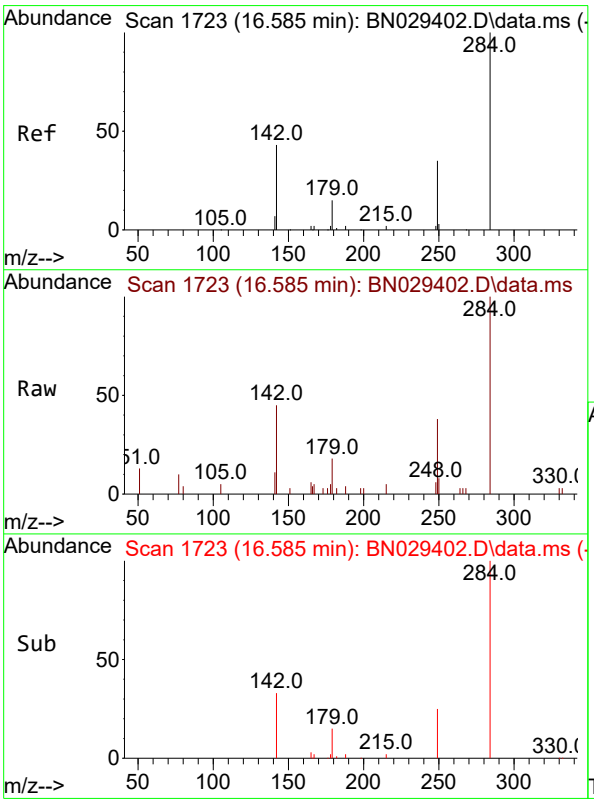
#21
4-Bromophenyl-phenylether
Concen: 0.333 ng
RT: 16.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 1996

Ion	Ratio	Lower	Upper
248	100		
250	93.7	75.0	112.4
141	96.3	77.0	115.6

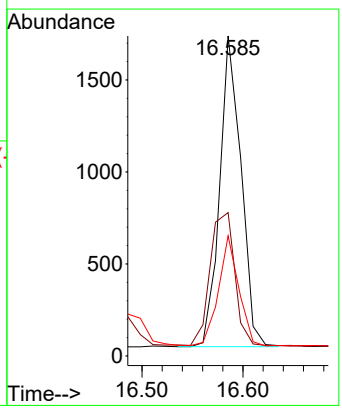


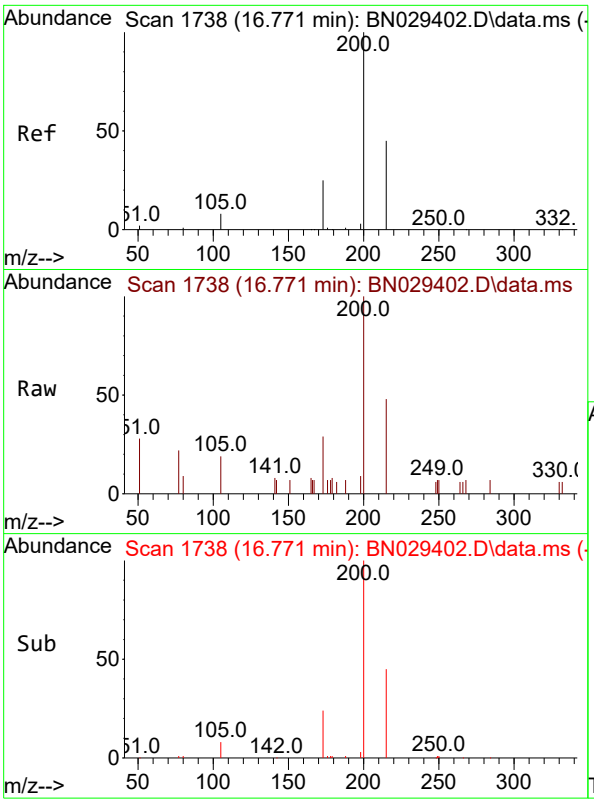


#22
Hexachlorobenzene
Concen: 0.361 ng
RT: 16.585 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:284 Resp: 2482

Ion	Ratio	Lower	Upper
284	100		
142	49.3	39.4	59.2
249	33.6	26.9	40.3



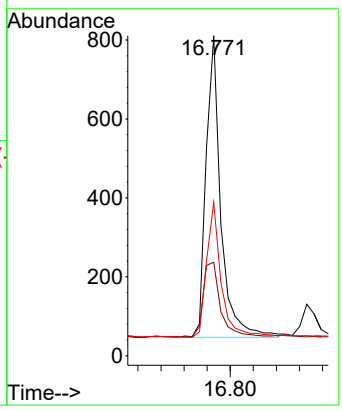


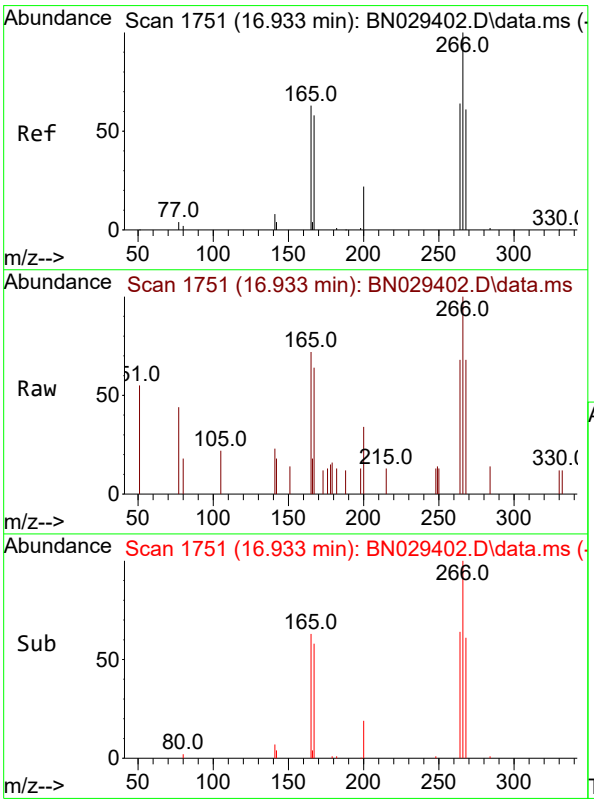
#23
Atrazine
Concen: 0.302 ng
RT: 16.771 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1355

Ion	Ratio	Lower	Upper
200	100		
173	29.2	23.4	35.0
215	48.0	38.4	57.6

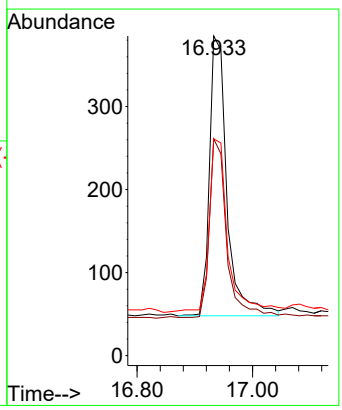


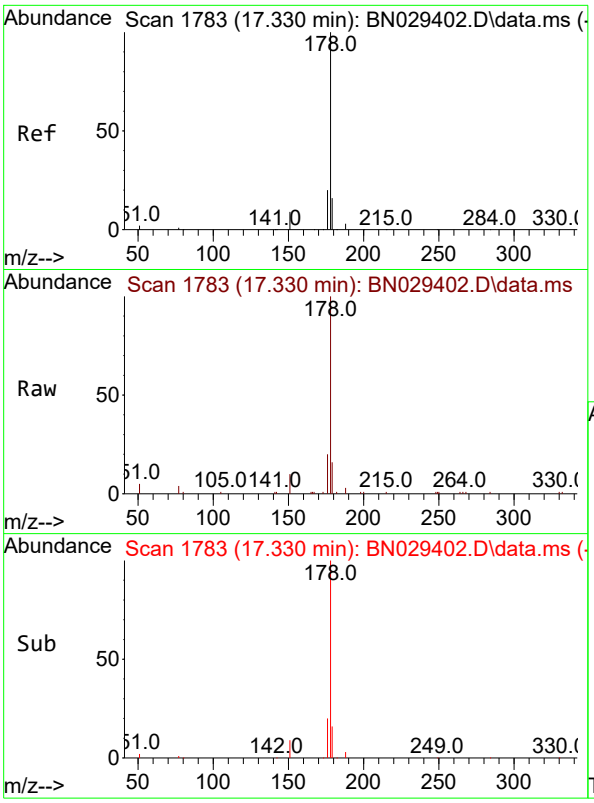


#24
Pentachlorophenol
Concen: 0.279 ng
RT: 16.933 min Scan# 1751
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:266 Resp: 710

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.8	76.2
268	64.4	51.5	77.3



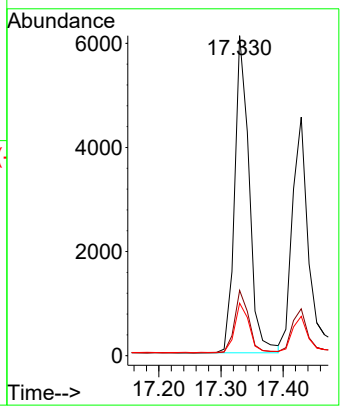


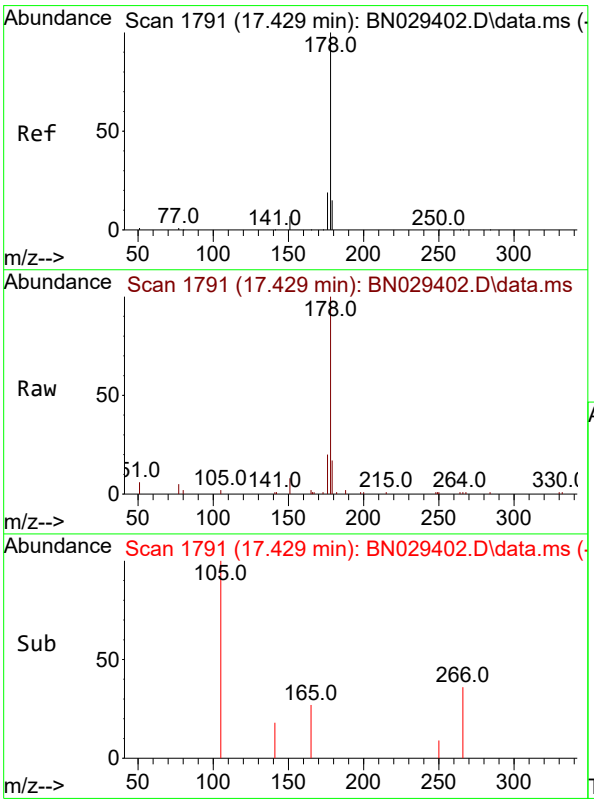
#25
Phenanthrene
Concen: 0.330 ng
RT: 17.330 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 9904

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.8	12.6	19.0

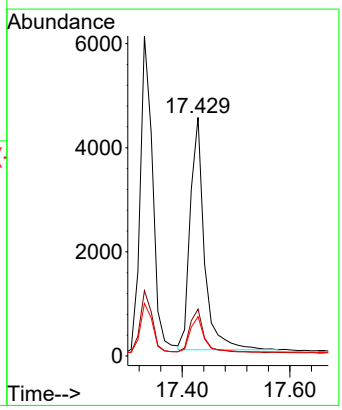


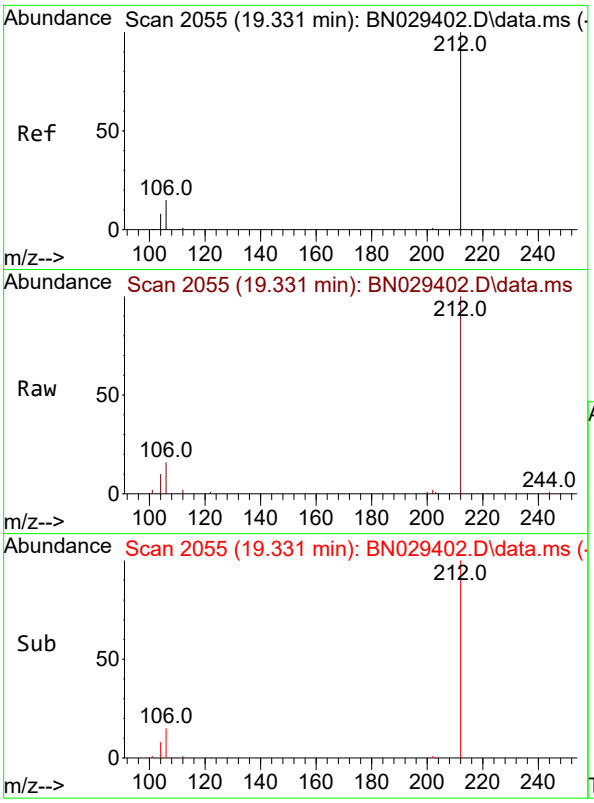


#26
Anthracene
Concen: 0.308 ng
RT: 17.429 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:178 Resp: 8167

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



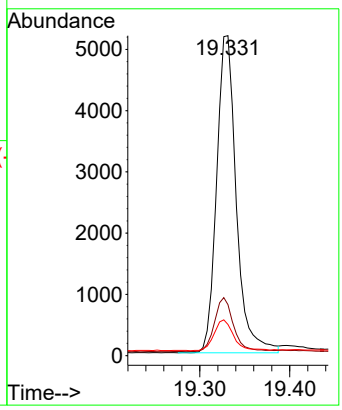


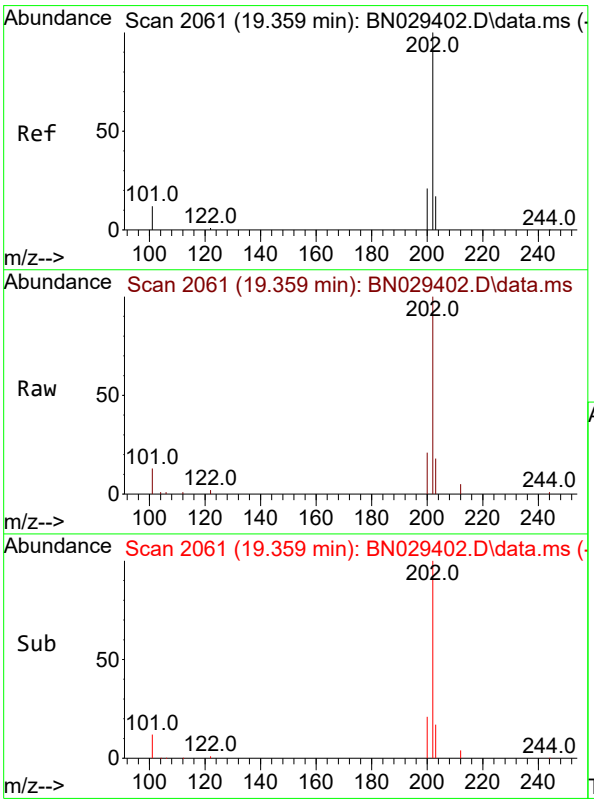
#27
Fluoranthene-d10
Concen: 0.309 ng
RT: 19.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 7856

Ion	Ratio	Lower	Upper
212	100		
106	16.5	13.2	19.8
104	9.6	7.7	11.5

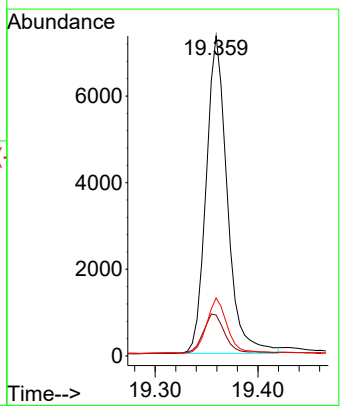


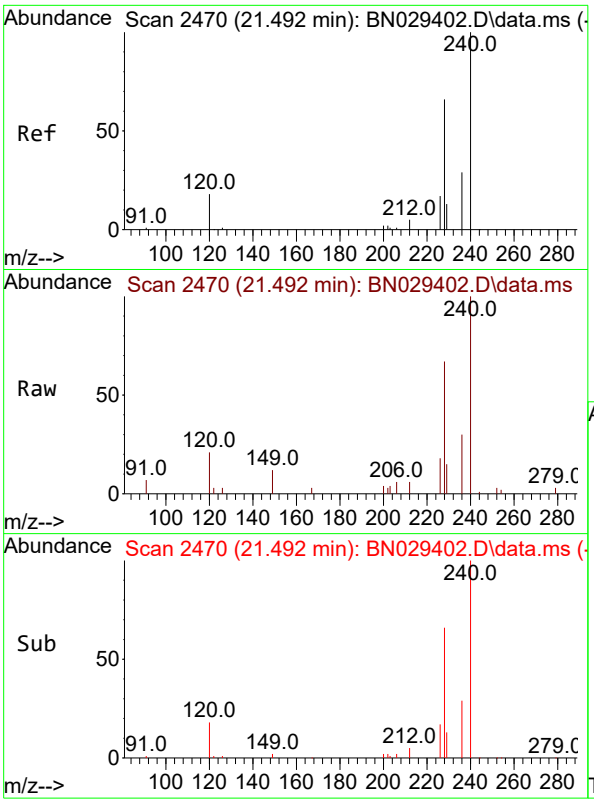


#28
Fluoranthene
Concen: 0.296 ng
RT: 19.359 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:202 Resp: 10460

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.5	15.7
203	16.9	13.5	20.3



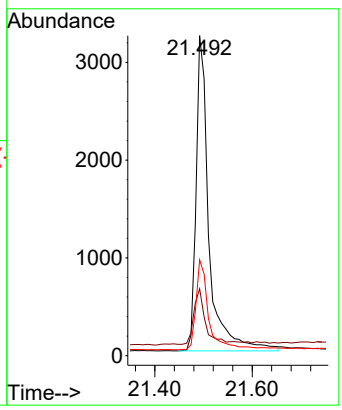


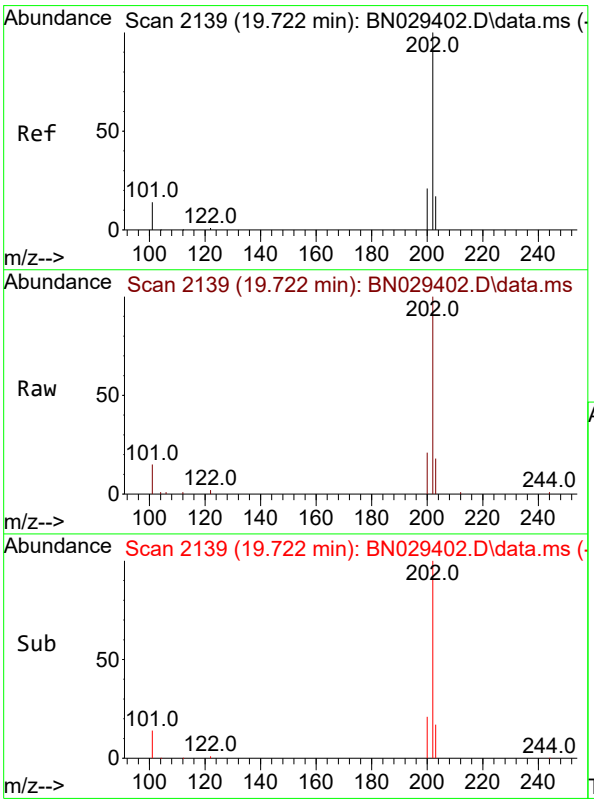
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.492 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 5892

Ion	Ratio	Lower	Upper
240	100		
120	20.9	16.7	25.1
236	29.9	23.9	35.9

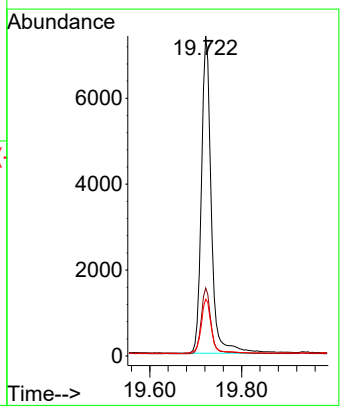


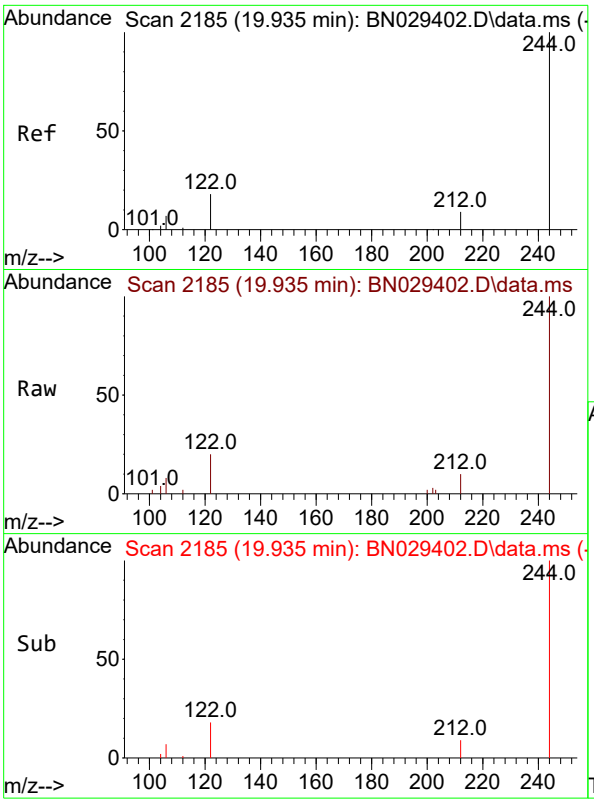


#30
Pyrene
Concen: 0.412 ng
RT: 19.722 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:202 Resp: 11035

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.8	14.2	21.4



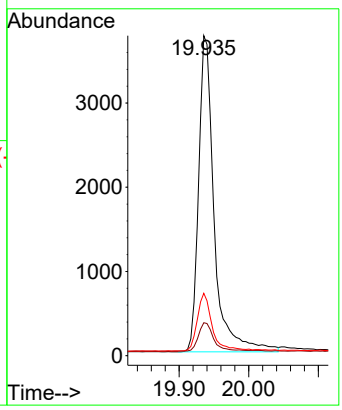


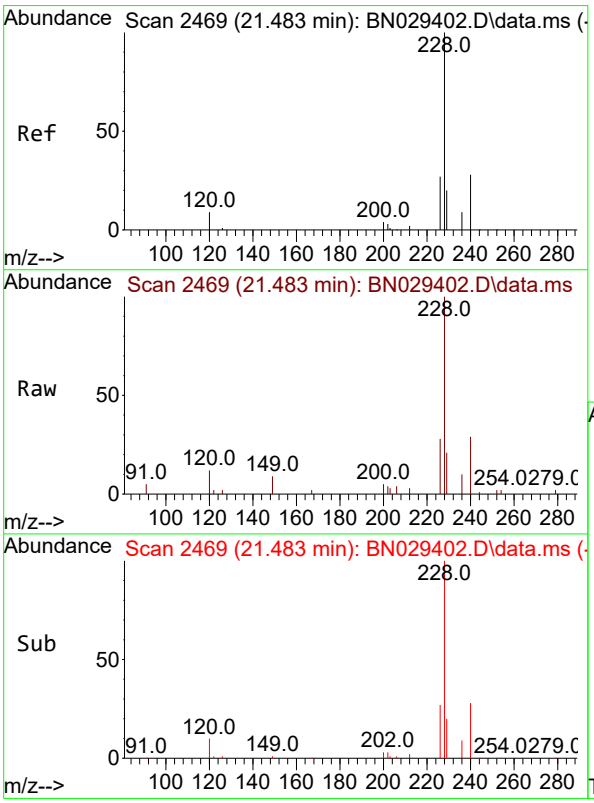
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.935 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 5834

Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.2	12.4
122	19.5	15.6	23.4

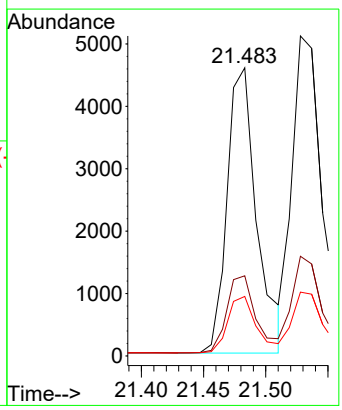


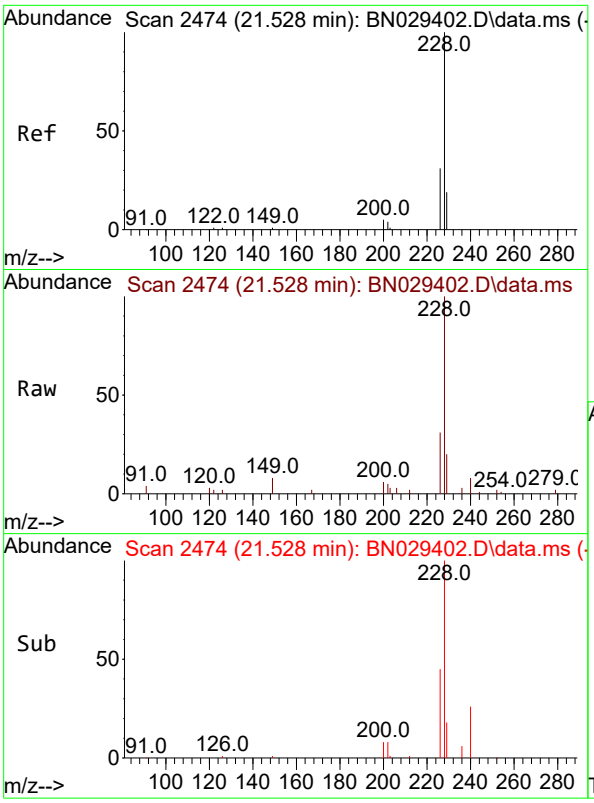


#32
Benzo(a)anthracene
Concen: 0.316 ng
RT: 21.483 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:228 Resp: 7590

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	20.6	16.5	24.7



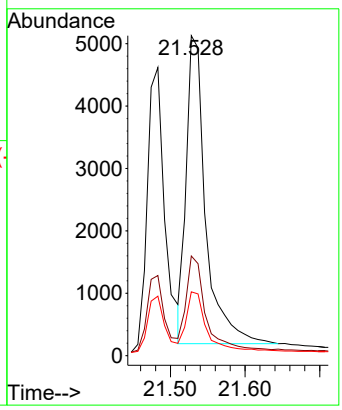


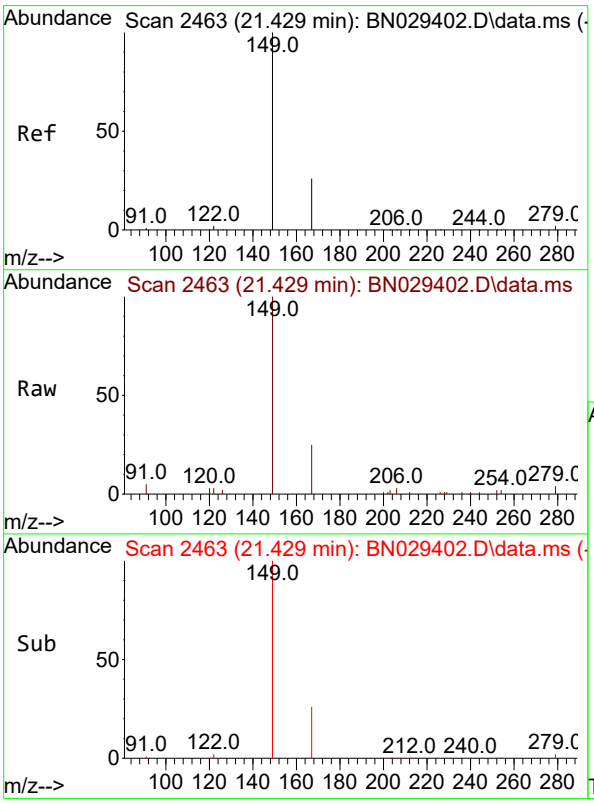
#33
Chrysene
Concen: 0.359 ng
RT: 21.528 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 8948

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	19.9	15.9	23.9

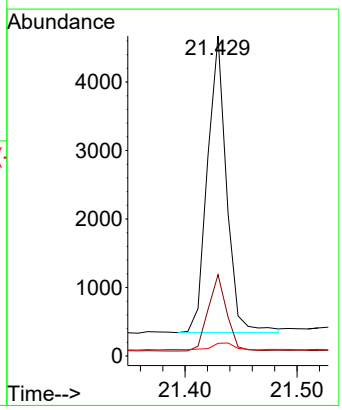


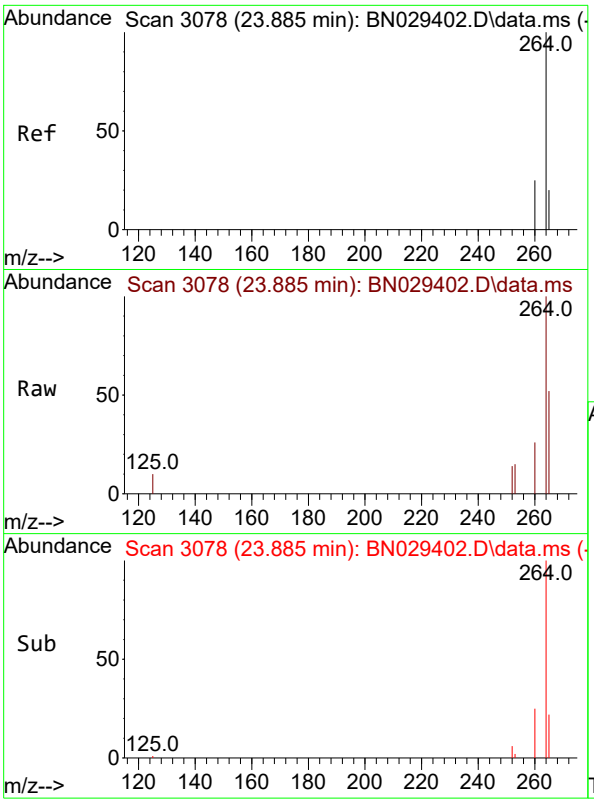


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.429 min Scan# 2463
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:149 Resp: 5123

Ion	Ratio	Lower	Upper
149	100		
167	25.1	20.1	30.1
279	3.2	2.5	3.7



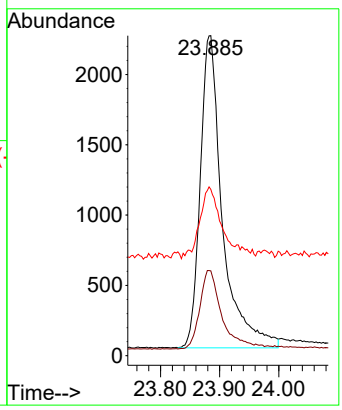


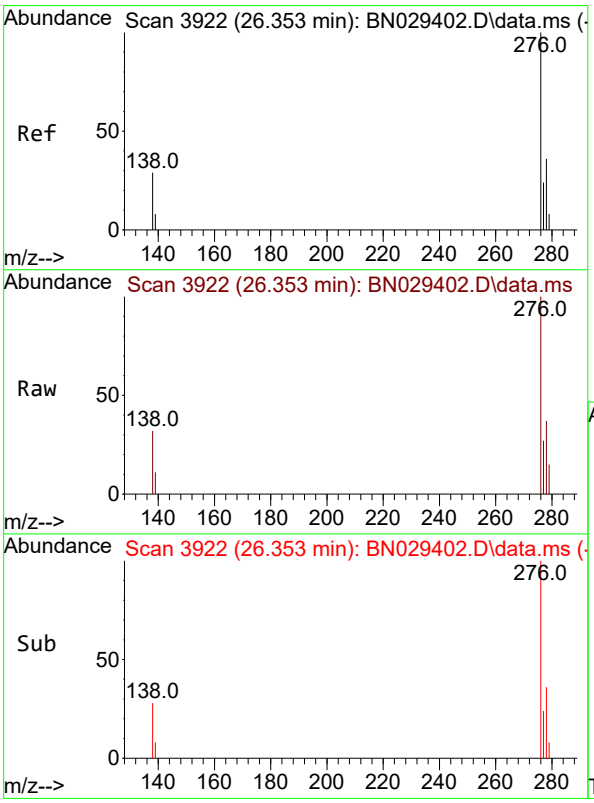
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.885 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 5795

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.2	31.8
265	51.9	41.5	62.3

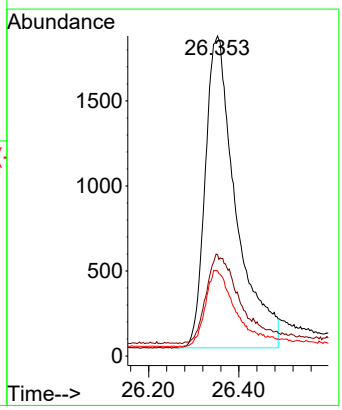


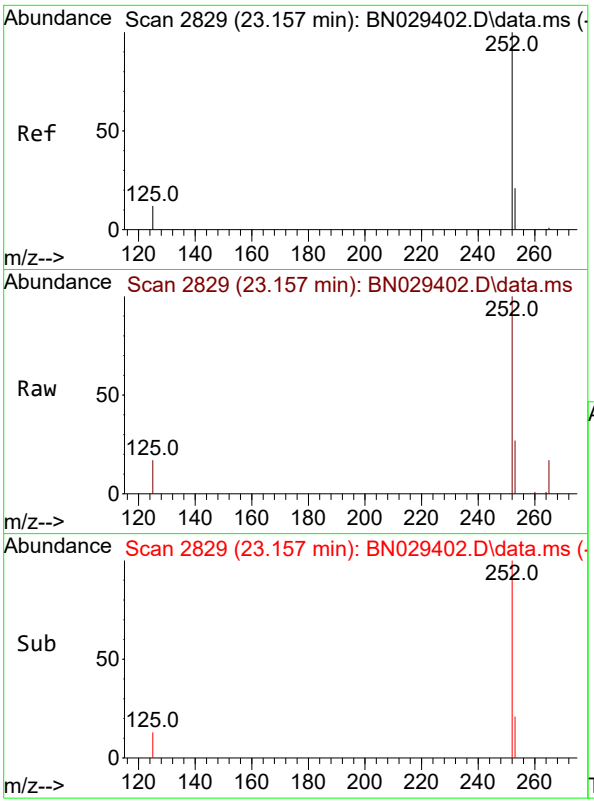


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.345 ng
RT: 26.353 min Scan# 3922
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:276 Resp: 8661

Ion	Ratio	Lower	Upper
276	100		
138	28.0	20.5	30.7
277	23.2	17.0	25.4



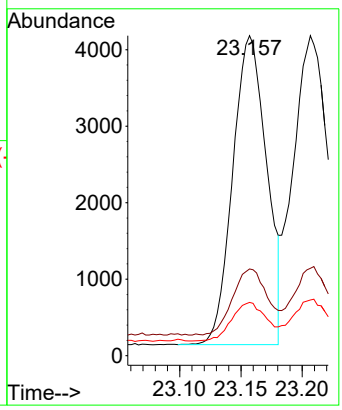


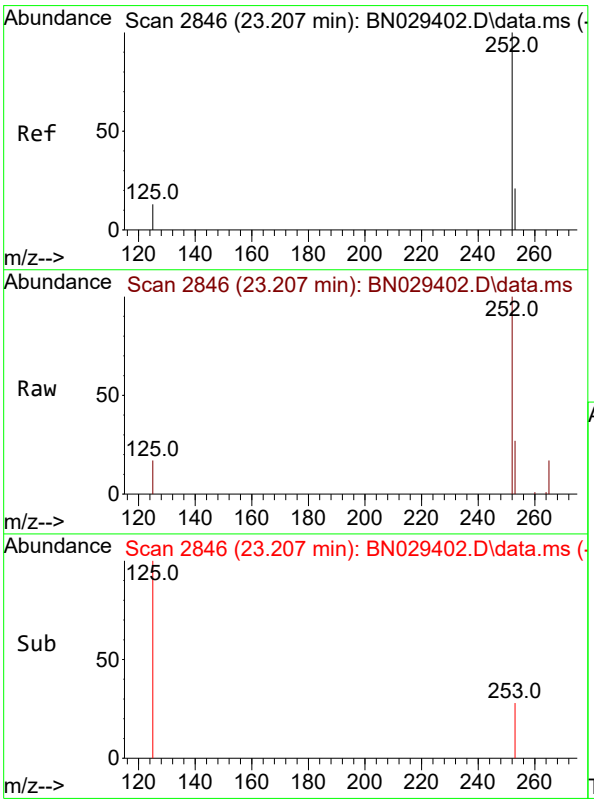
#37
Benzo(b)fluoranthene
Concen: 0.317 ng
RT: 23.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 7769

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.7	32.5
125	16.6	13.3	19.9

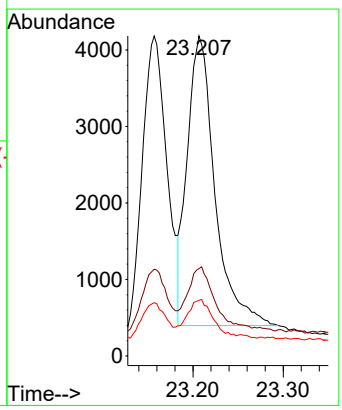


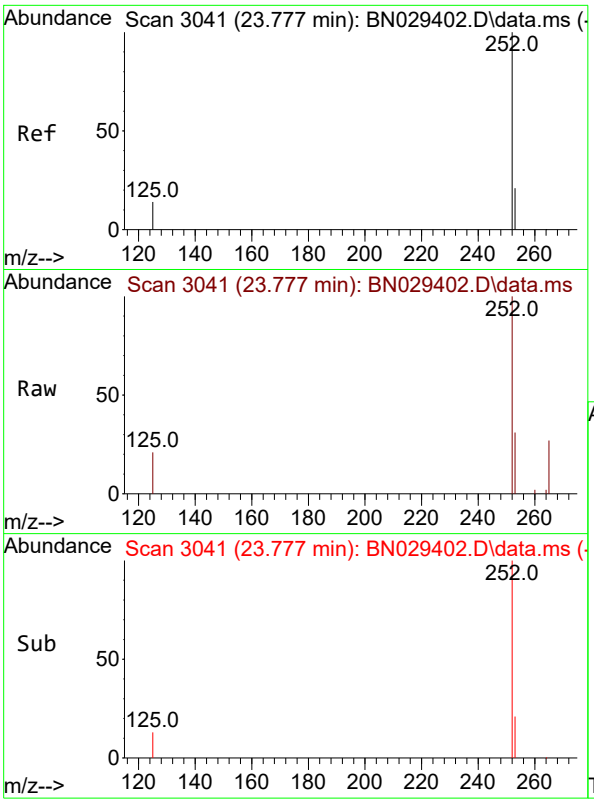


#38
Benzo(k)fluoranthene
Concen: 0.338 ng
RT: 23.207 min Scan# 2846
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:252 Resp: 8073

Ion	Ratio	Lower	Upper
252	100		
253	27.3	21.8	32.8
125	17.4	13.9	20.9



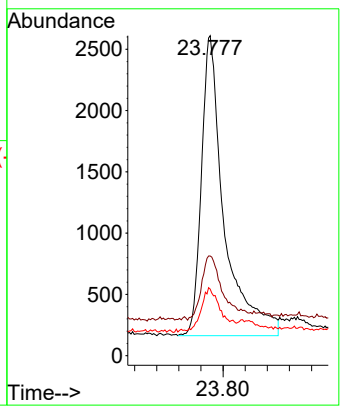


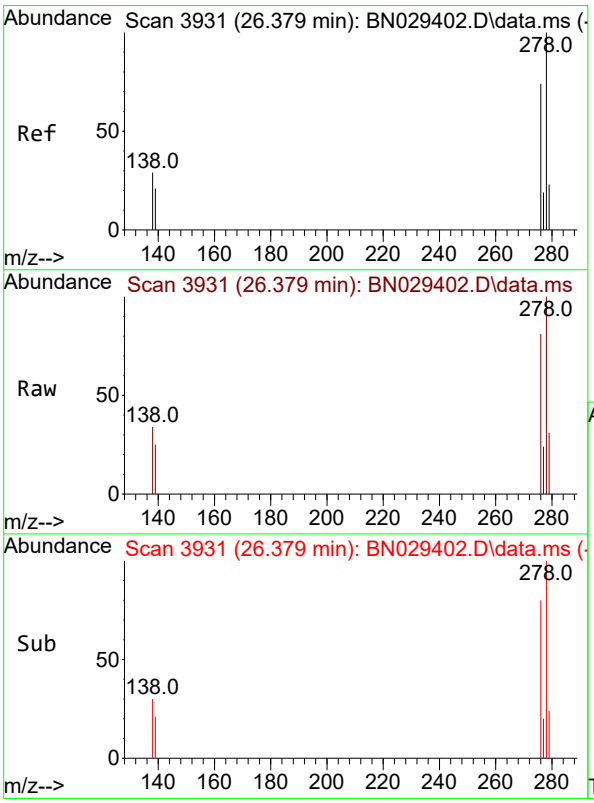
#39
Benzo(a)pyrene
Concen: 0.355 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 7009

Ion	Ratio	Lower	Upper
252	100		
253	31.1	24.9	37.3
125	20.8	16.6	25.0

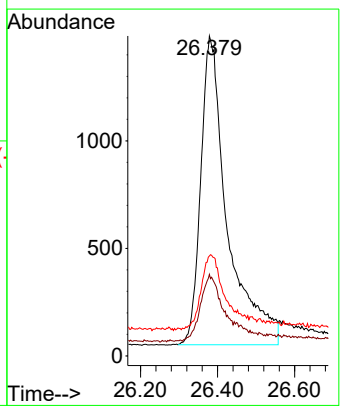


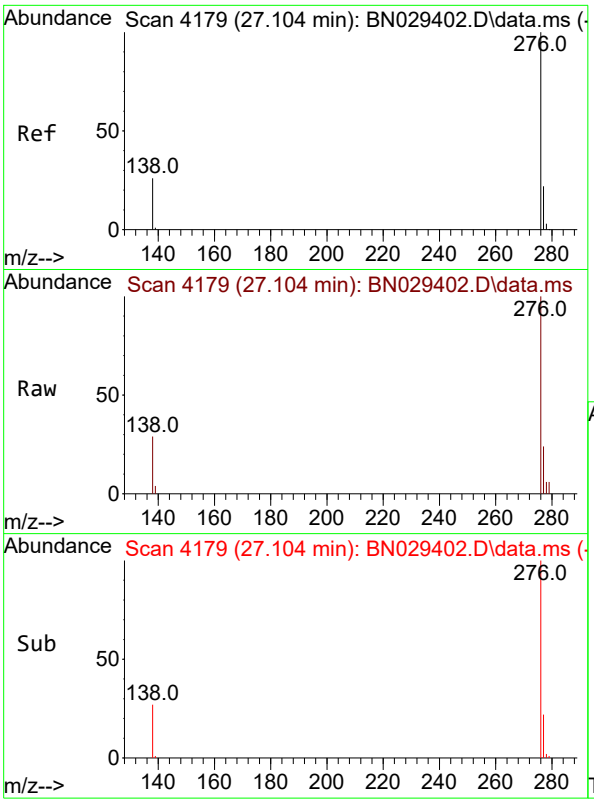


#40
Dibenzo(a,h)anthracene
Concen: 0.342 ng
RT: 26.379 min Scan# 3931
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Tgt Ion:278 Resp: 6897

Ion	Ratio	Lower	Upper
278	100		
139	25.5	20.4	30.6
279	31.3	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.402 ng
RT: 27.104 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN029402.D
Acq: 29 Jan 2024 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 8808

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	29.4	23.5	35.3