Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111322\
Data File : BN022626.D
Acq On : 12 Nov 2022 13:13
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 14 01:37:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 14 01:35:37 2022
Response via : Initial Calibration

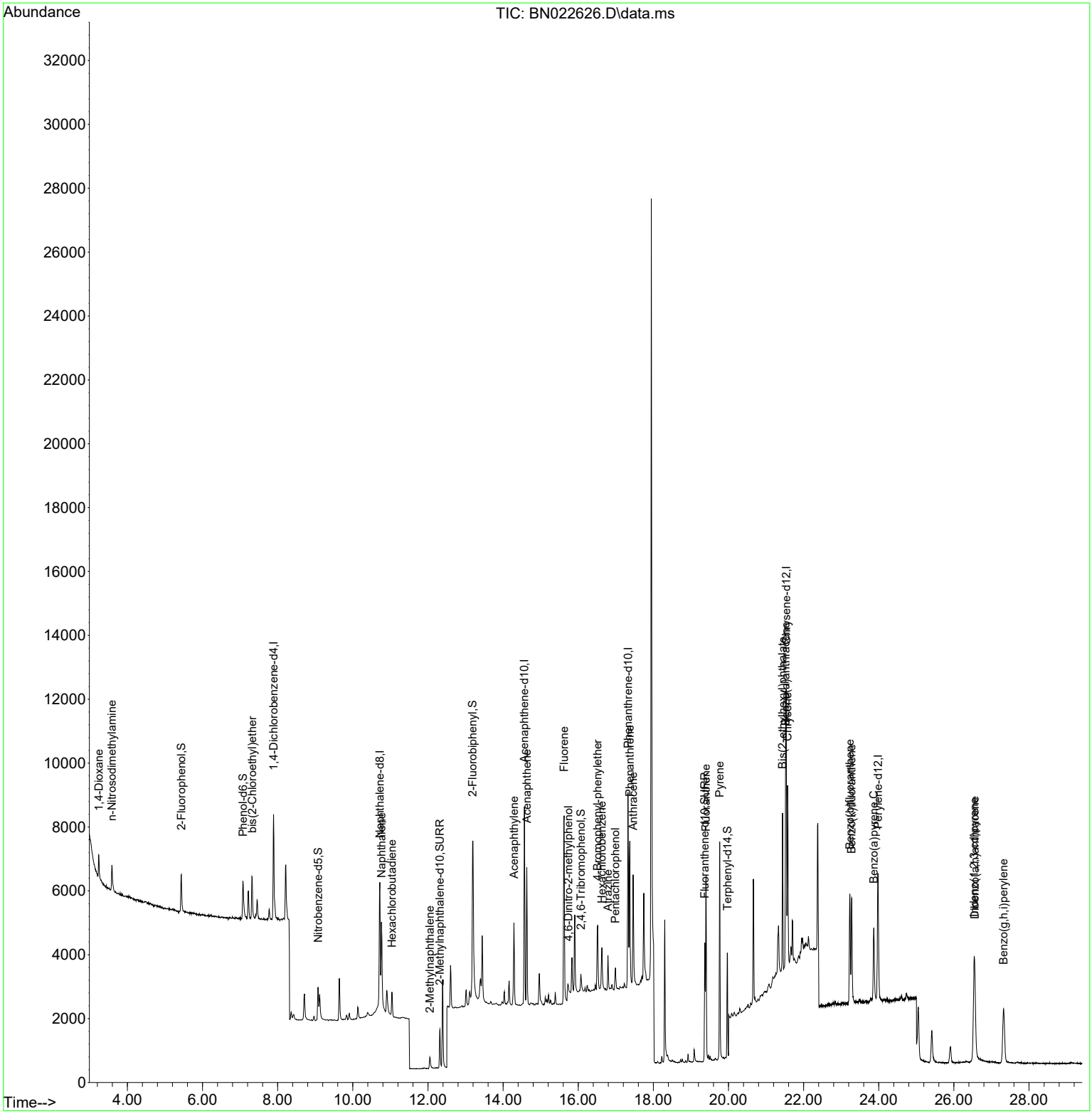
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.892	152	1710	0.400	ng		0.00
7) Naphthalene-d8	10.720	136	5486	0.400	ng		0.00
13) Acenaphthene-d10	14.568	164	3387	0.400	ng		0.00
19) Phenanthrene-d10	17.325	188	7448	0.400	ng		0.00
29) Chrysene-d12	21.537	240	6677	0.400	ng		0.00
35) Perylene-d12	23.979	264	5967	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.436	112	1128	0.228	ng		0.00
5) Phenol-d6	7.075	99	1358	0.220	ng		0.00
8) Nitrobenzene-d5	9.076	82	1041	0.200	ng		0.00
11) 2-Methylnaphthalene-d10	12.319	152	1795	0.201	ng		0.00
14) 2,4,6-Tribromophenol	16.072	330	359	0.219	ng		0.00
15) 2-Fluorobiphenyl	13.189	172	2678	0.194	ng		0.00
27) Fluoranthene-d10	19.369	212	4214	0.205	ng		0.00
31) Terphenyl-d14	19.972	244	4073	0.197	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	495	0.205	ng	#	89
3) n-Nitrosodimethylamine	3.587	42	539	0.219	ng	#	92
6) bis(2-Chloroethyl)ether	7.321	93	1163	0.214	ng		98
9) Naphthalene	10.763	128	5386	0.333	ng		98
10) Hexachlorobutadiene	11.040	225	597	0.199	ng	#	100
12) 2-Methylnaphthalene	12.051	142	713	0.216	ng	#	84
16) Acenaphthylene	14.290	152	2912	0.187	ng		100
17) Acenaphthene	14.632	154	2097	0.196	ng		99
18) Fluorene	15.626	166	3287	0.227	ng		96
20) 4,6-Dinitro-2-methylph...	15.736	198	237	0.212	ng	#	1
21) 4-Bromophenyl-phenylether	16.518	248	856	0.195	ng		98
22) Hexachlorobenzene	16.630	284	963	0.188	ng		99
23) Atrazine	16.791	200	828	0.222	ng		96
24) Pentachlorophenol	16.990	266	365	0.187	ng		90
25) Phenanthrene	17.375	178	5422	0.226	ng		99
26) Anthracene	17.462	178	4130	0.201	ng		99
28) Fluoranthene	19.403	202	5267	0.202	ng		99
30) Pyrene	19.765	202	5597	0.206	ng		100
32) Benzo(a)anthracene	21.519	228	5096	0.208	ng		99
33) Chrysene	21.573	228	4981	0.197	ng		98
34) Bis(2-ethylhexyl)phtha...	21.439	149	4335	0.306	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.537	276	4710	0.167	ng		98
37) Benzo(b)fluoranthene	23.230	252	4529	0.188	ng	#	89
38) Benzo(k)fluoranthene	23.277	252	4682	0.194	ng	#	89
39) Benzo(a)pyrene	23.868	252	3697	0.188	ng	#	83
40) Dibenzo(a,h)anthracene	26.555	278	3746	0.165	ng	#	87
41) Benzo(g,h,i)perylene	27.324	276	3972	0.166	ng		96

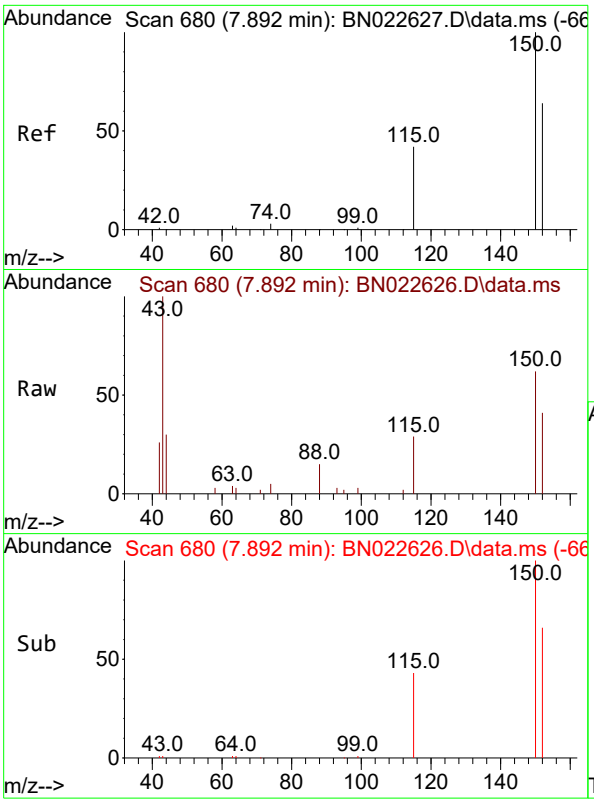
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111322\
Data File : BN022626.D
Acq On : 12 Nov 2022 13:13
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 14 01:37:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 14 01:35:37 2022
Response via : Initial Calibration



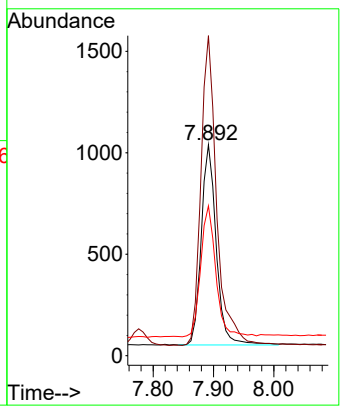


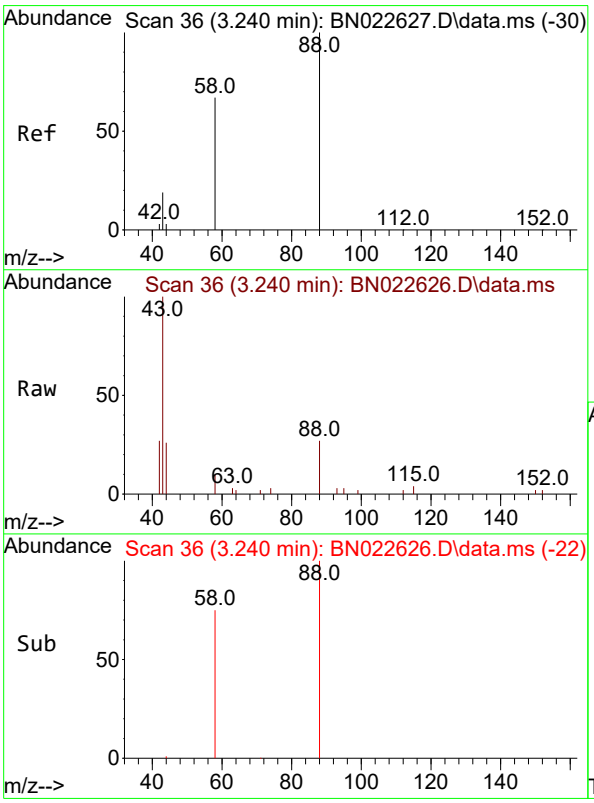
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.892 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1710

Ion	Ratio	Lower	Upper
152	100		
150	151.8	122.2	183.4
115	71.0	56.3	84.5

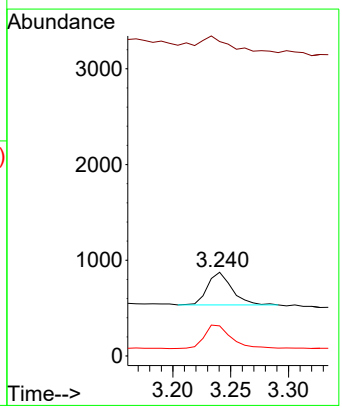


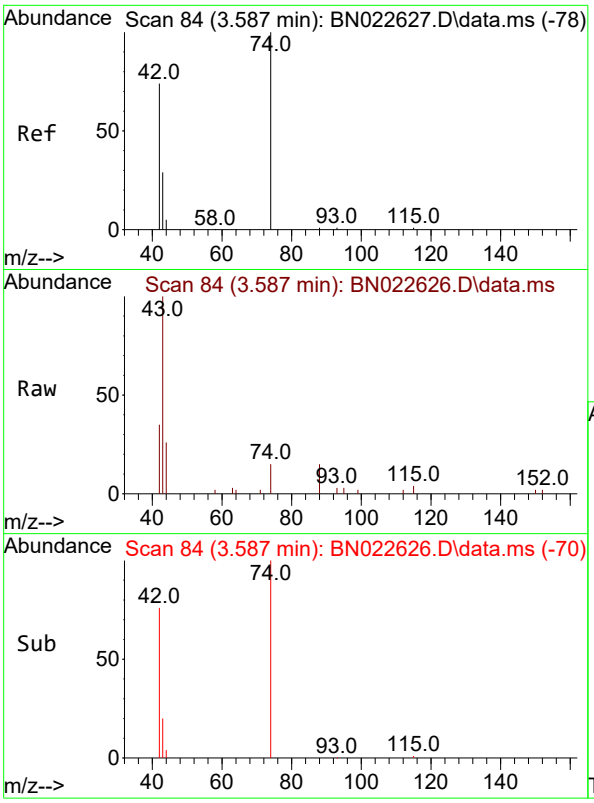


#2
1,4-Dioxane
Concen: 0.205 ng
RT: 3.240 min Scan# 36
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion: 88 Resp: 495

Ion	Ratio	Lower	Upper
88	100		
43	55.4	34.9	52.3#
58	79.8	58.8	88.2



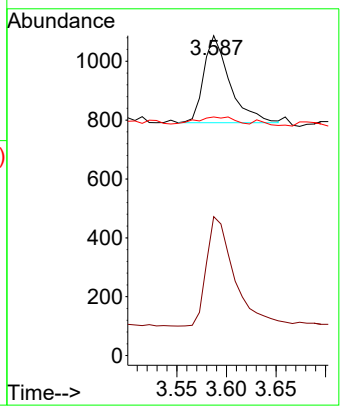


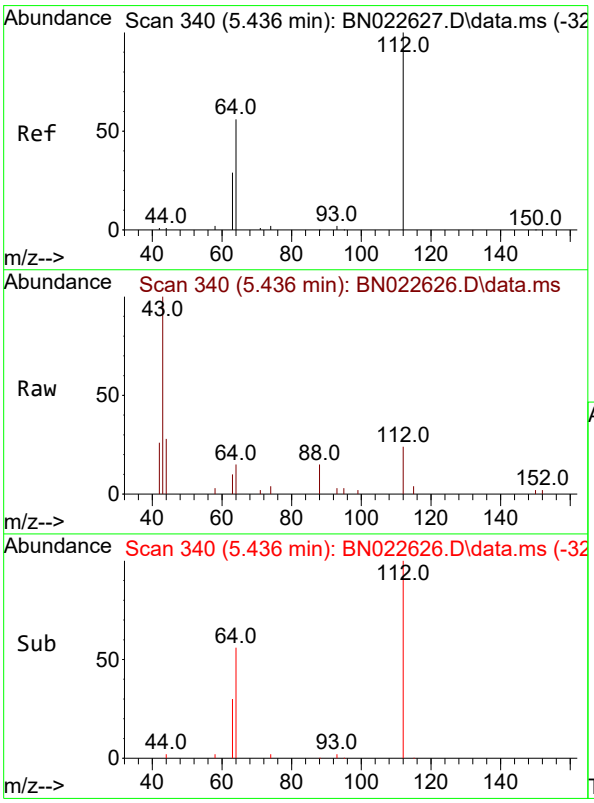
#3
n-Nitrosodimethylamine
Concen: 0.219 ng
RT: 3.587 min Scan# 84
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 539

Ion	Ratio	Lower	Upper
42	100		
74	135.1	101.3	151.9
44	13.0	7.4	11.0#

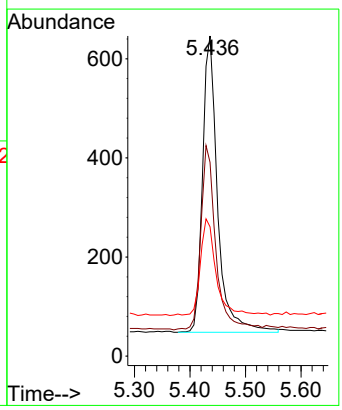


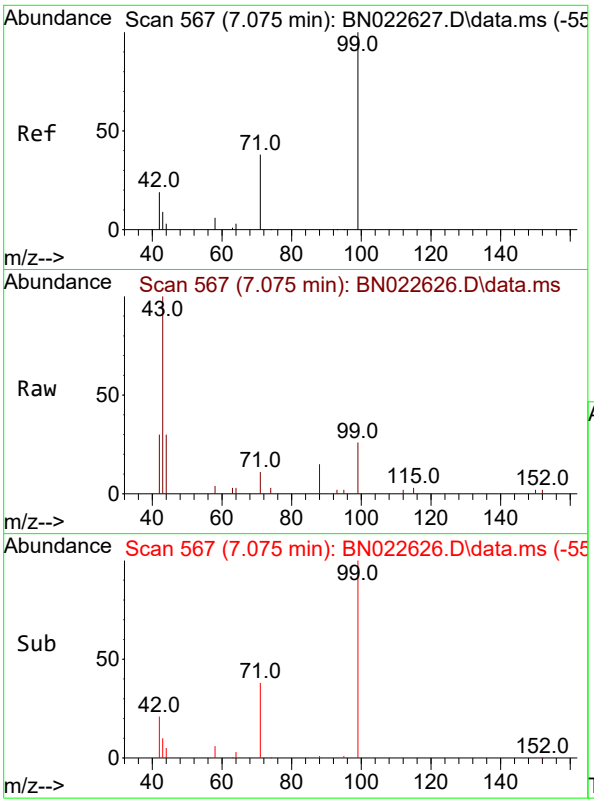


#4
2-Fluorophenol
Concen: 0.228 ng
RT: 5.436 min Scan# 340
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:112 Resp: 1128

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.6
63	32.6	26.0	39.0



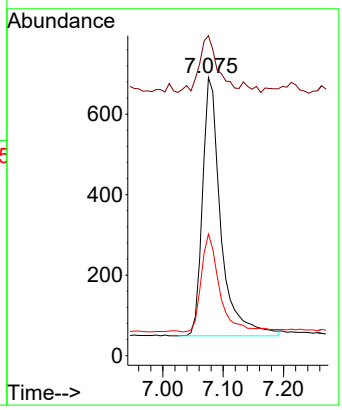


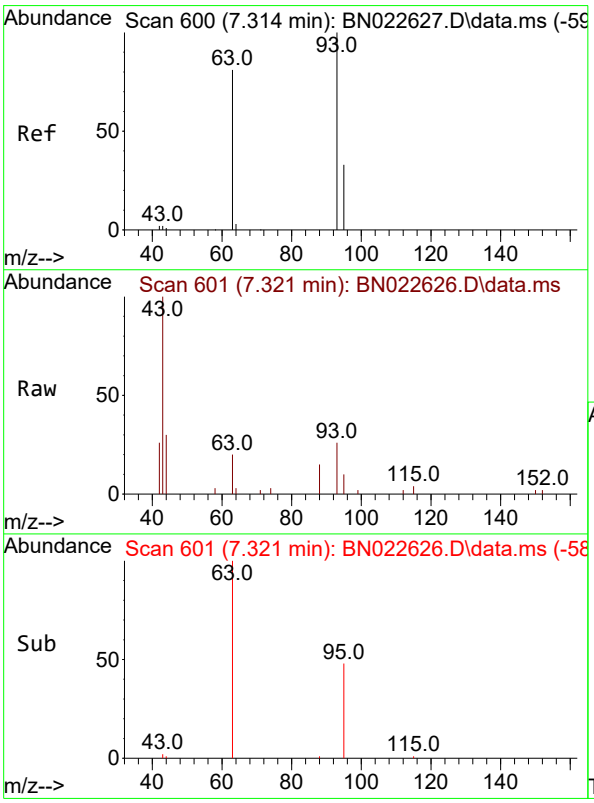
#5
Phenol-d6
Concen: 0.220 ng
RT: 7.075 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1358

Ion	Ratio	Lower	Upper
99	100		
42	21.9	16.9	25.3
71	38.1	30.2	45.4

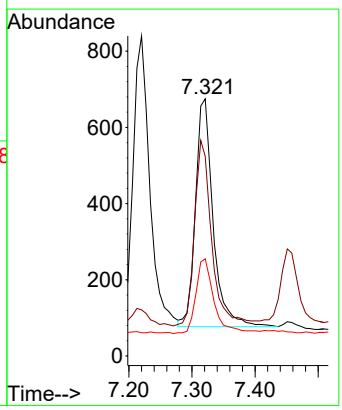


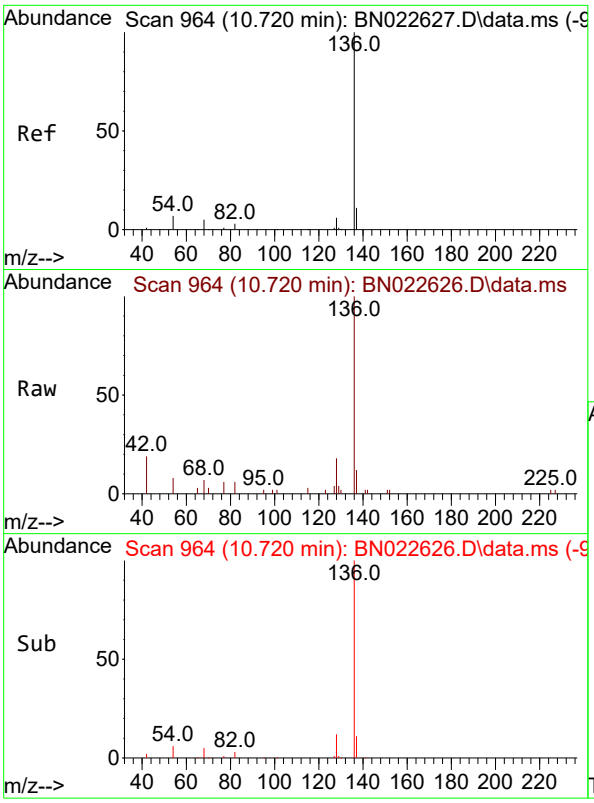


#6
bis(2-Chloroethyl)ether
Concen: 0.214 ng
RT: 7.321 min Scan# 601
Delta R.T. 0.007 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion: 93 Resp: 1163

Ion	Ratio	Lower	Upper
93	100		
63	79.6	62.5	93.7
95	33.8	26.1	39.1



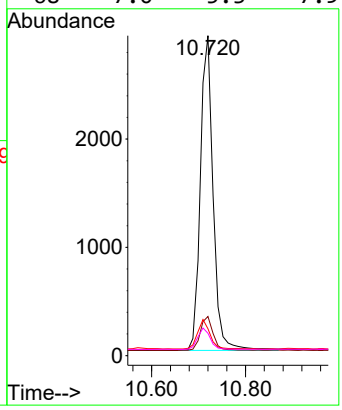


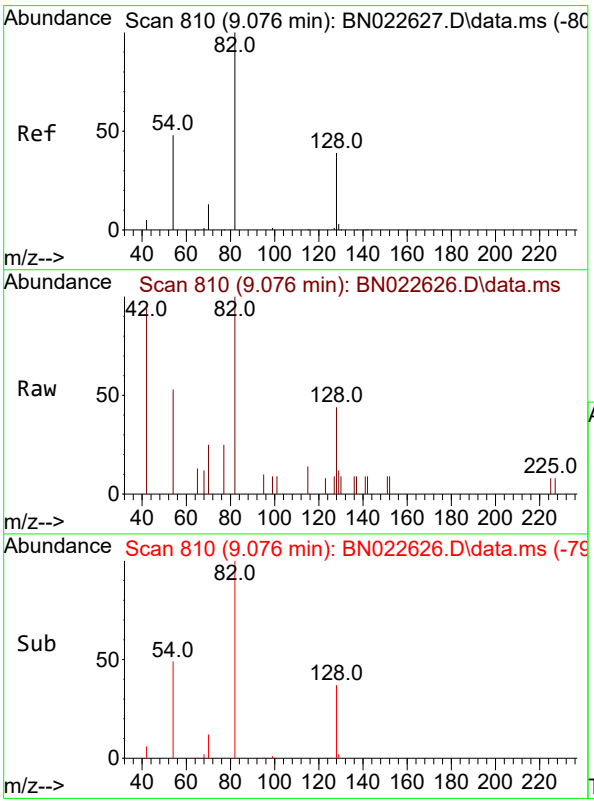
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.720 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 5486

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.0	15.0
54	8.4	7.0	10.4
68	7.0	5.3	7.9

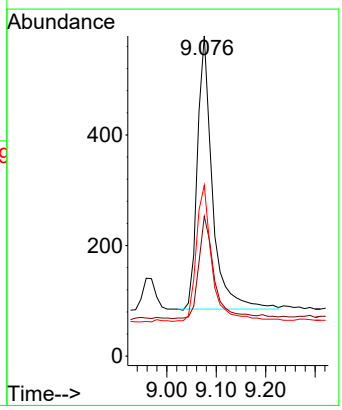


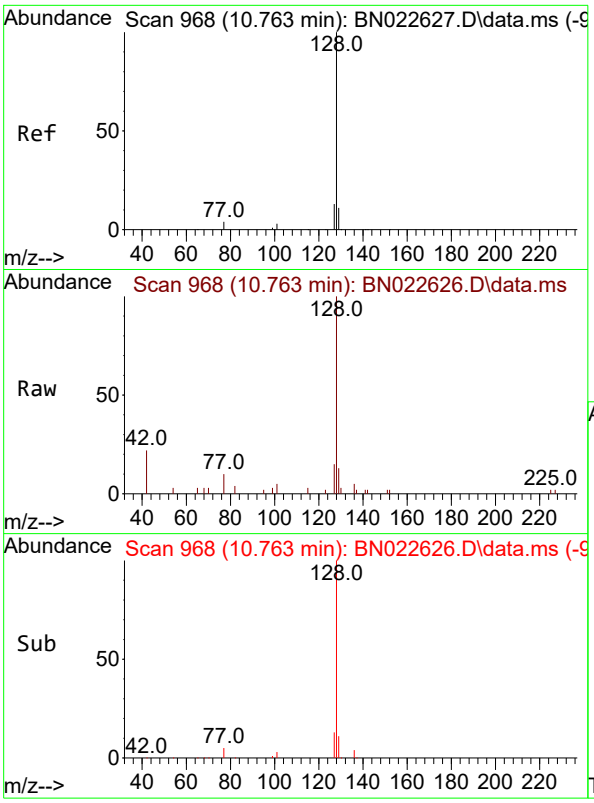


#8
Nitrobenzene-d5
Concen: 0.200 ng
RT: 9.076 min Scan# 810
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion: 82 Resp: 1041

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	51.8
54	53.4	40.4	60.6



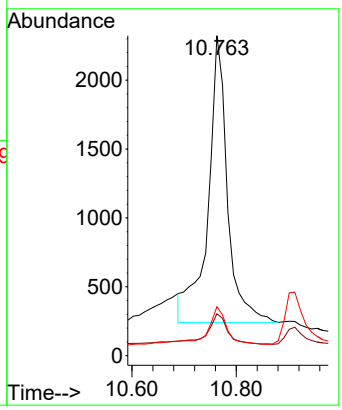


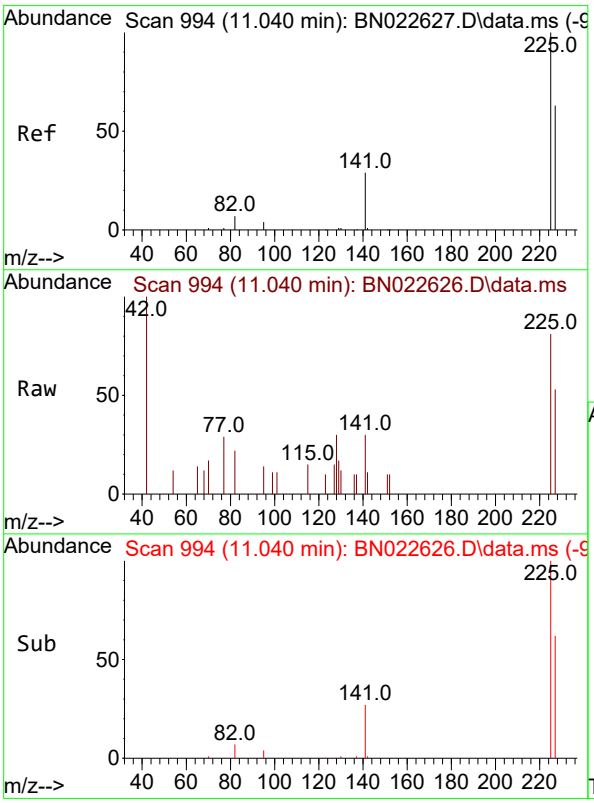
#9
Naphthalene
Concen: 0.333 ng
RT: 10.763 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 5386

Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.9	14.9
127	15.3	11.4	17.2

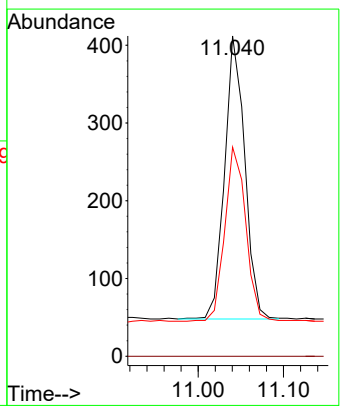


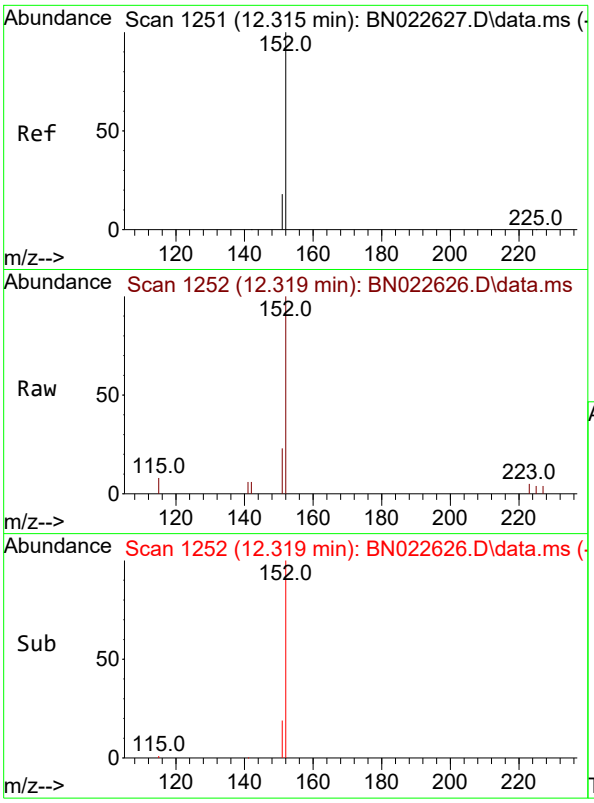


#10
Hexachlorobutadiene
Concen: 0.199 ng
RT: 11.040 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:225 Resp: 597

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9



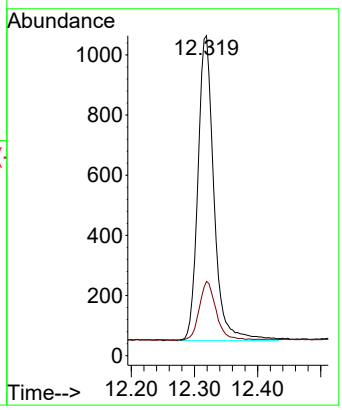


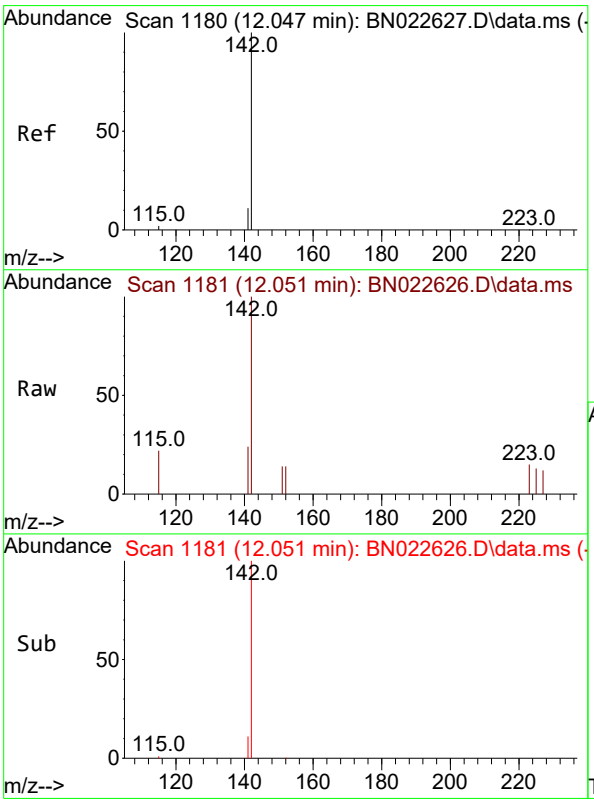
#11
2-Methylnaphthalene-d10
Concen: 0.201 ng
RT: 12.319 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1795

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

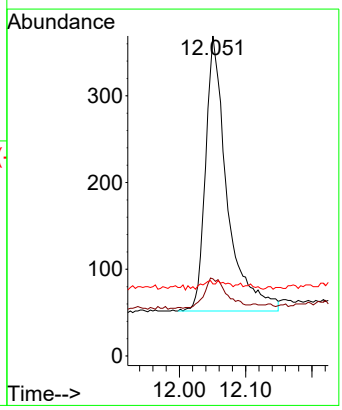


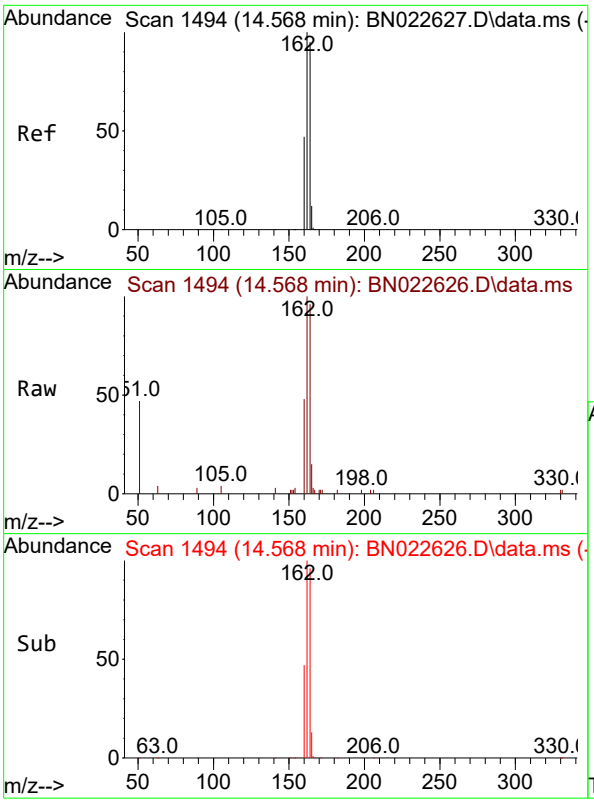


#12
2-Methylnaphthalene
Concen: 0.216 ng
RT: 12.051 min Scan# 1181
Delta R.T. 0.004 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:142 Resp: 713

Ion	Ratio	Lower	Upper
142	100		
141	24.1	14.9	22.3#
115	22.5	11.3	16.9#



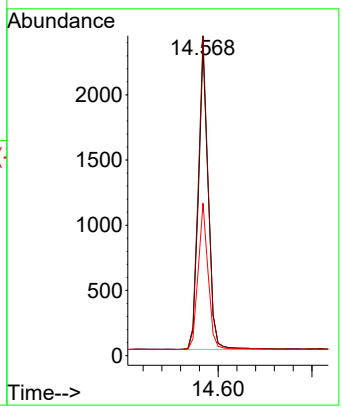


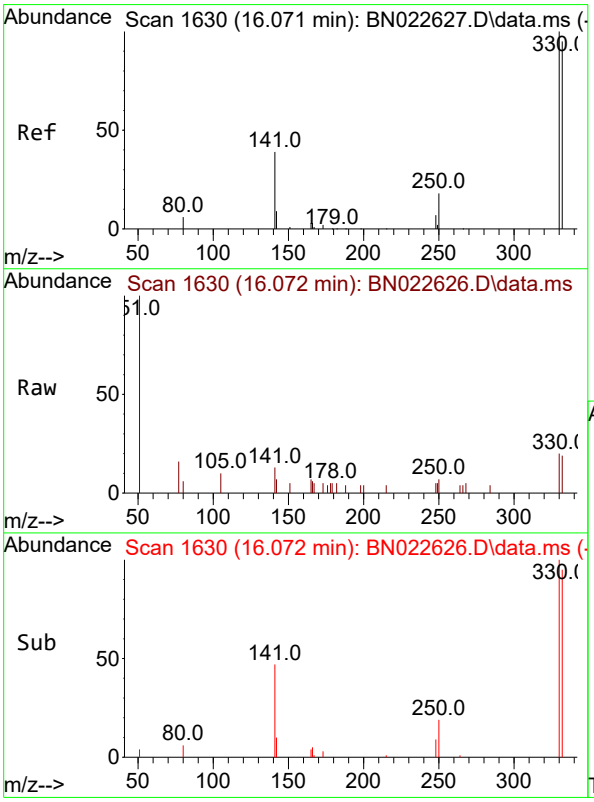
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.568 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 3387

Ion	Ratio	Lower	Upper
164	100		
162	104.1	84.1	126.1
160	49.6	40.2	60.2

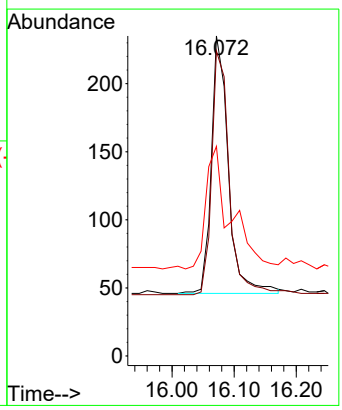


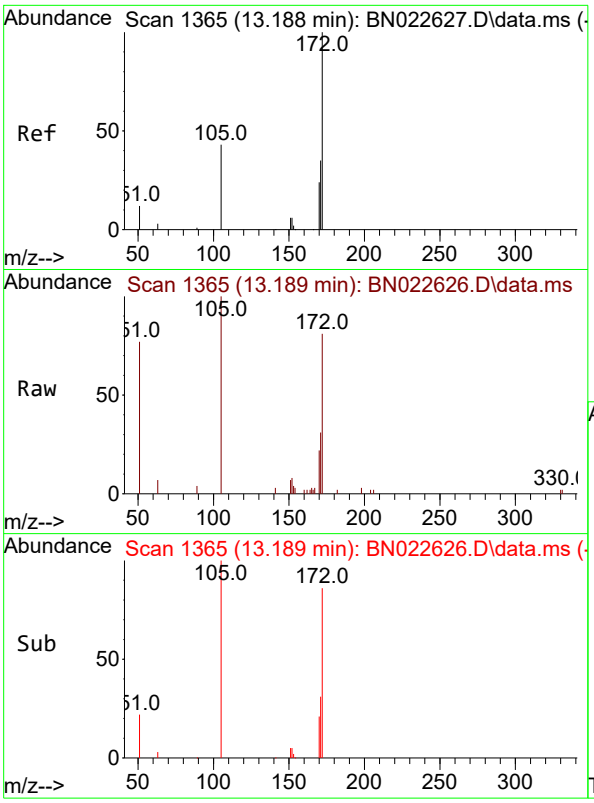


#14
2,4,6-Tribromophenol
Concen: 0.219 ng
RT: 16.072 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:330 Resp: 359

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.2	115.8
141	66.3	46.2	69.2



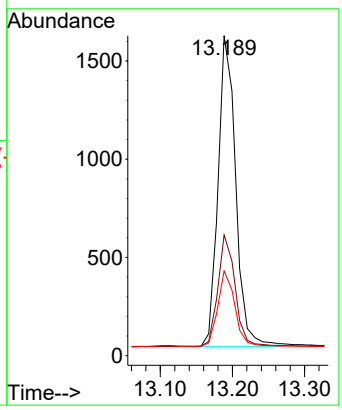


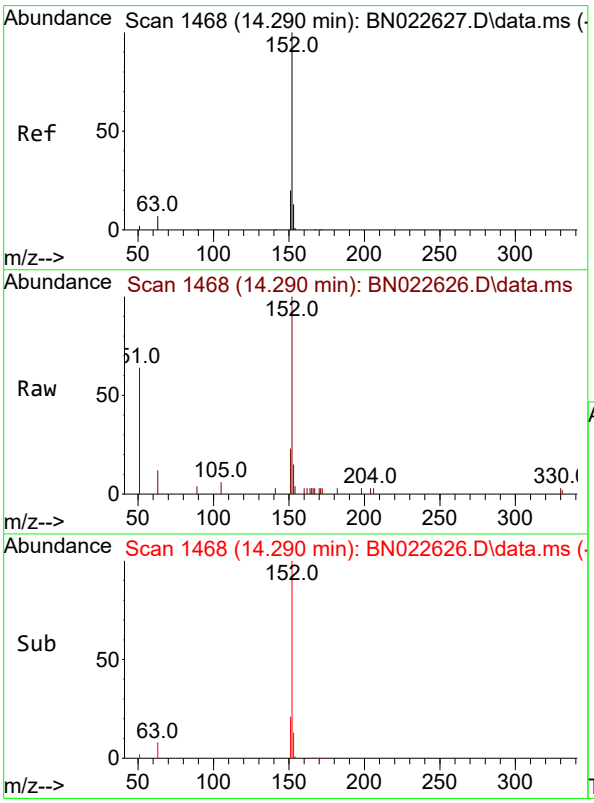
#15
2-Fluorobiphenyl
Concen: 0.194 ng
RT: 13.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 2678

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.0	43.4
170	26.5	20.1	30.1

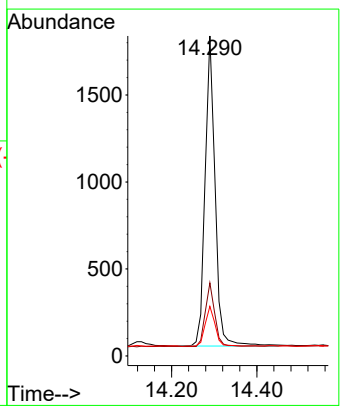


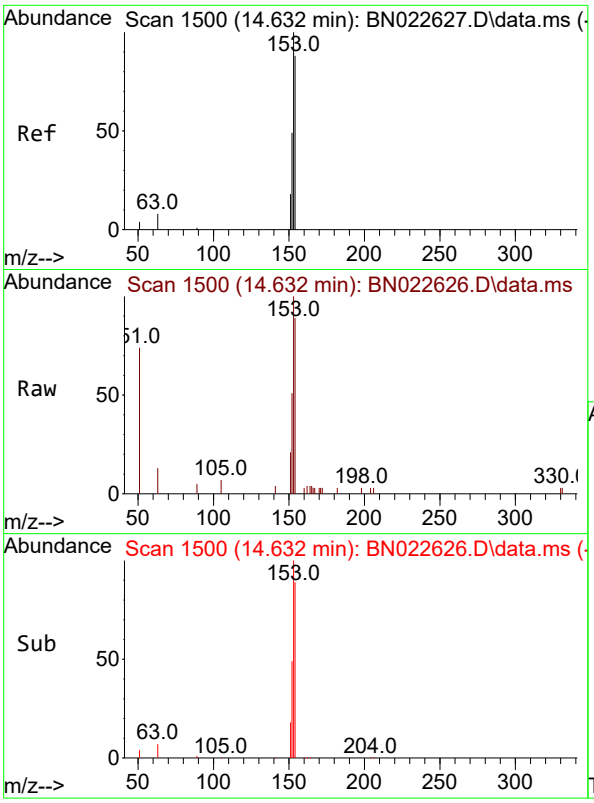


#16
Acenaphthylene
Concen: 0.187 ng
RT: 14.290 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:152 Resp: 2912

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.9	10.3	15.5



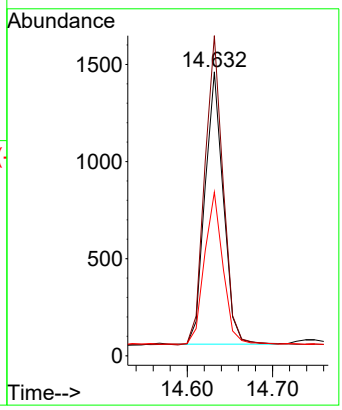


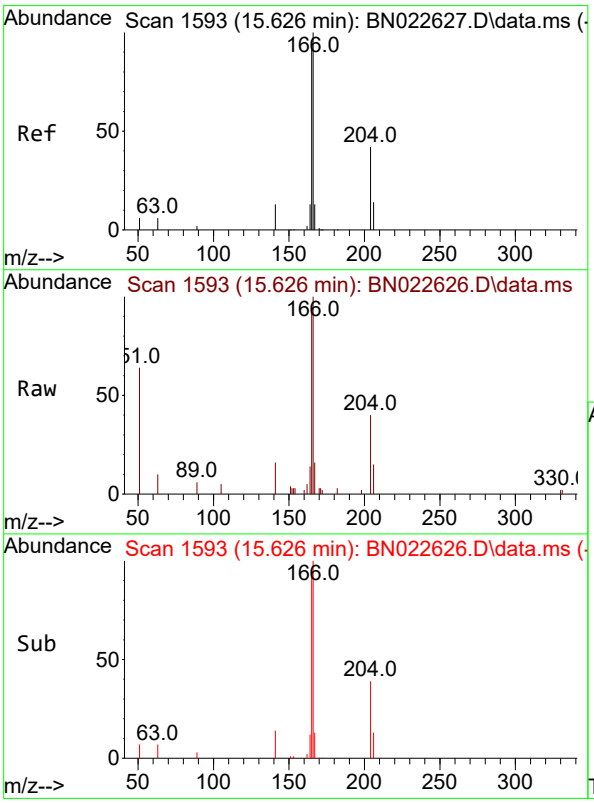
#17
Acenaphthene
Concen: 0.196 ng
RT: 14.632 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 2097

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.6	137.4
152	56.6	45.6	68.4

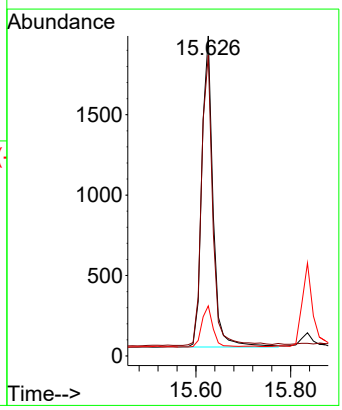


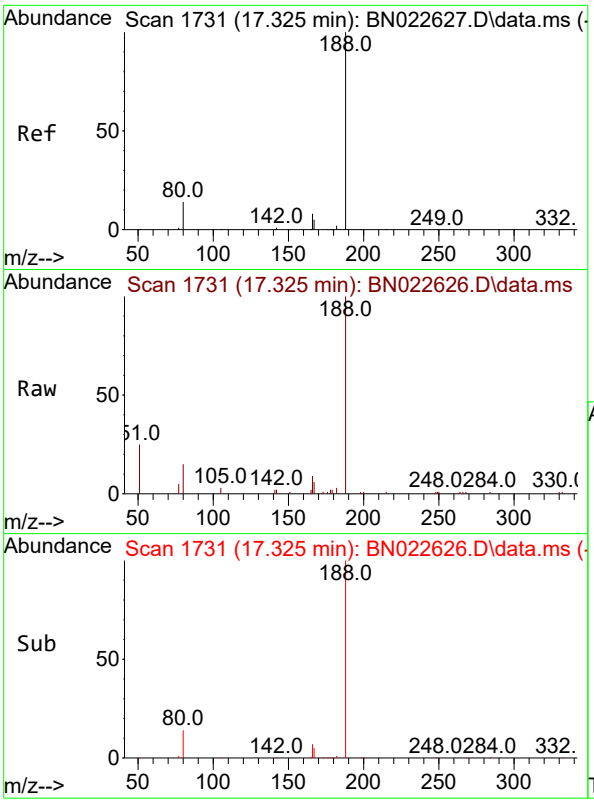


#18
Fluorene
Concen: 0.227 ng
RT: 15.626 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:166 Resp: 3287

Ion	Ratio	Lower	Upper
166	100		
165	93.2	77.8	116.8
167	12.7	10.2	15.4



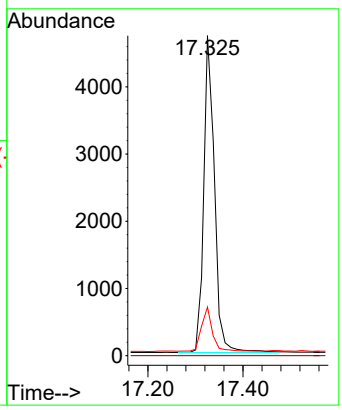


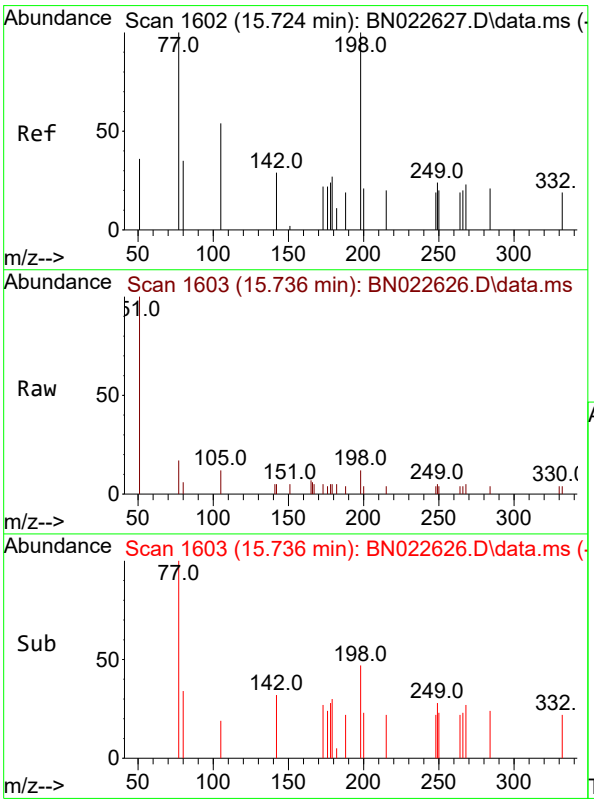
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 7448

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.2	12.6	19.0

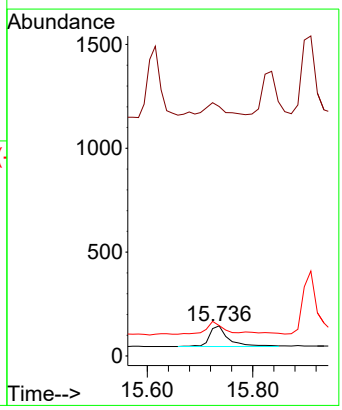


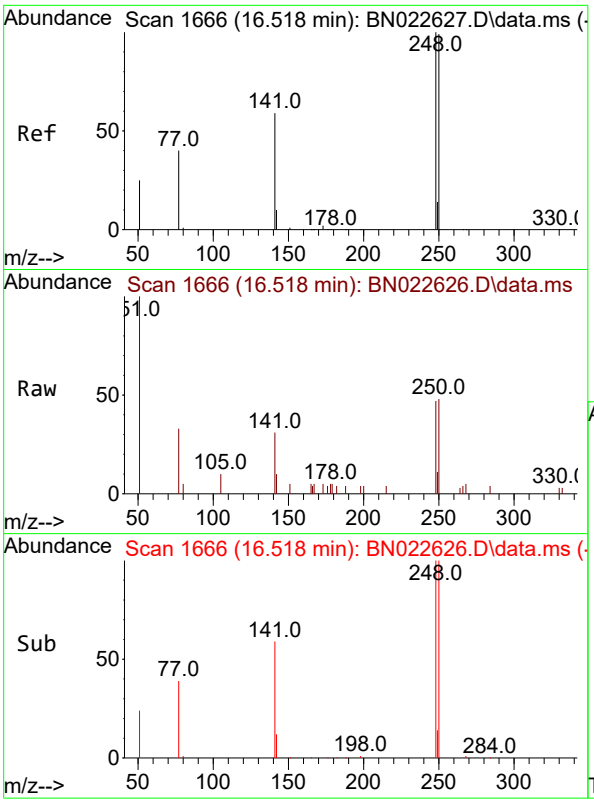


#20
4,6-Dinitro-2-methylphenol
Concen: 0.212 ng
RT: 15.736 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:198 Resp: 237

Ion	Ratio	Lower	Upper
198	100		
51	828.3	266.5	399.7#
105	101.4	64.5	96.7#



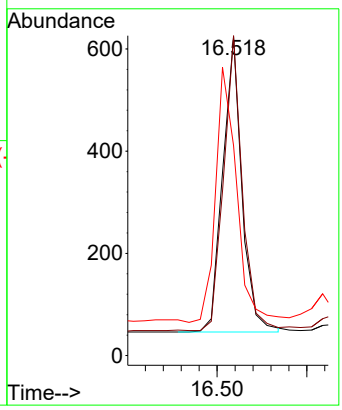


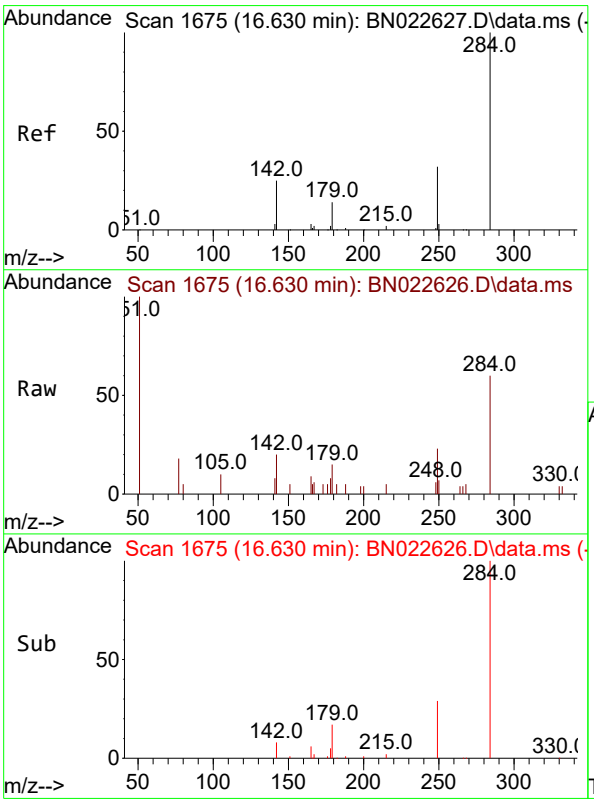
#21
4-Bromophenyl-phenylether
Concen: 0.195 ng
RT: 16.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 856

Ion	Ratio	Lower	Upper
248	100		
250	100.3	79.8	119.6
141	65.9	49.8	74.8

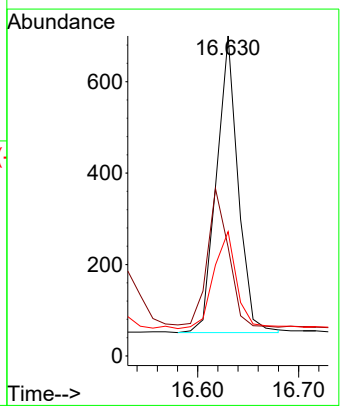


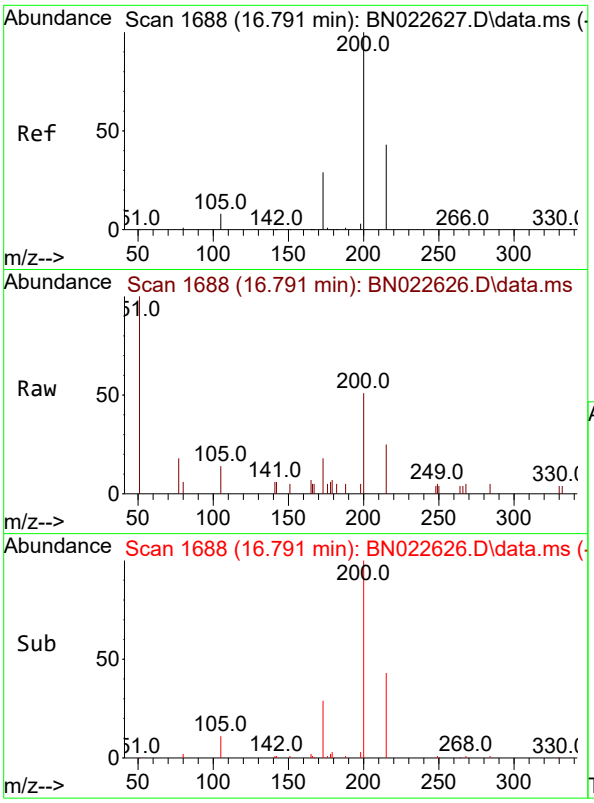


#22
Hexachlorobenzene
Concen: 0.188 ng
RT: 16.630 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:284 Resp: 963

Ion	Ratio	Lower	Upper
284	100		
142	46.0	36.2	54.2
249	35.2	27.6	41.4



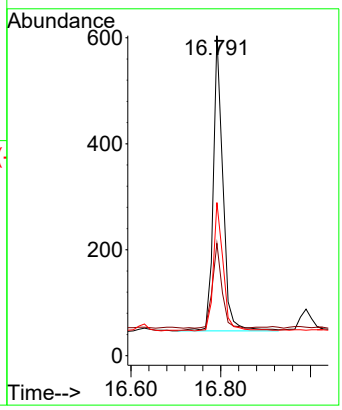


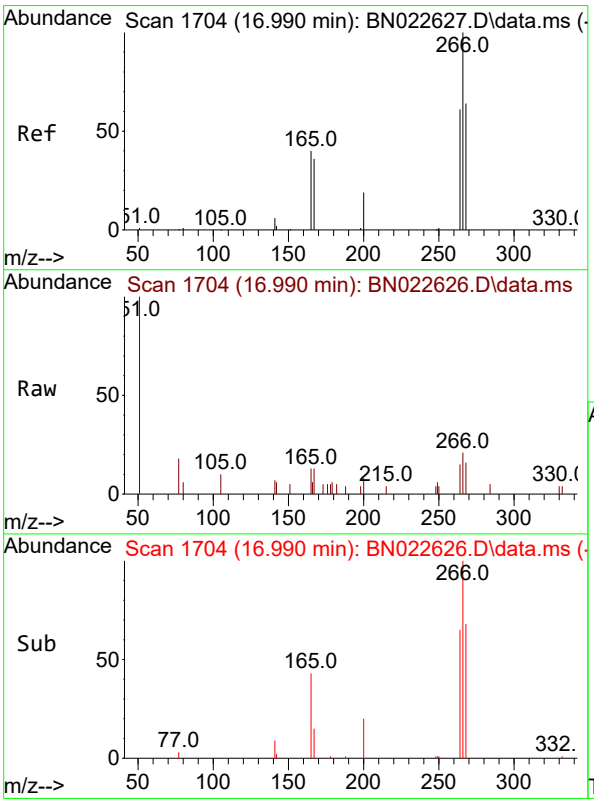
#23
Atrazine
Concen: 0.222 ng
RT: 16.791 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 828

Ion	Ratio	Lower	Upper
200	100		
173	35.1	26.2	39.4
215	47.8	36.4	54.6

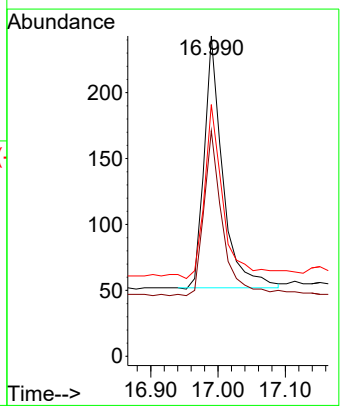


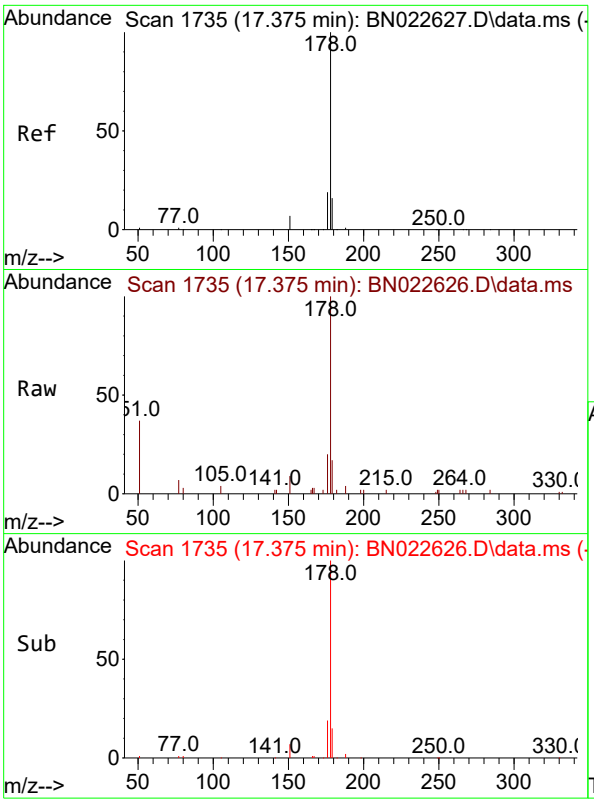


#24
Pentachlorophenol
Concen: 0.187 ng
RT: 16.990 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:266 Resp: 365

Ion	Ratio	Lower	Upper
266	100		
264	67.7	49.6	74.4
268	73.7	50.9	76.3



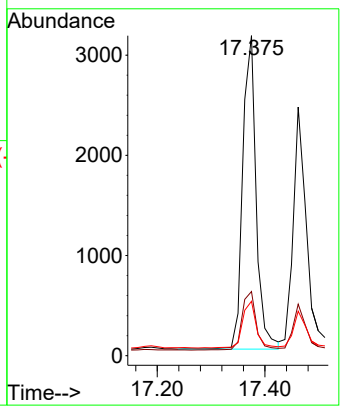


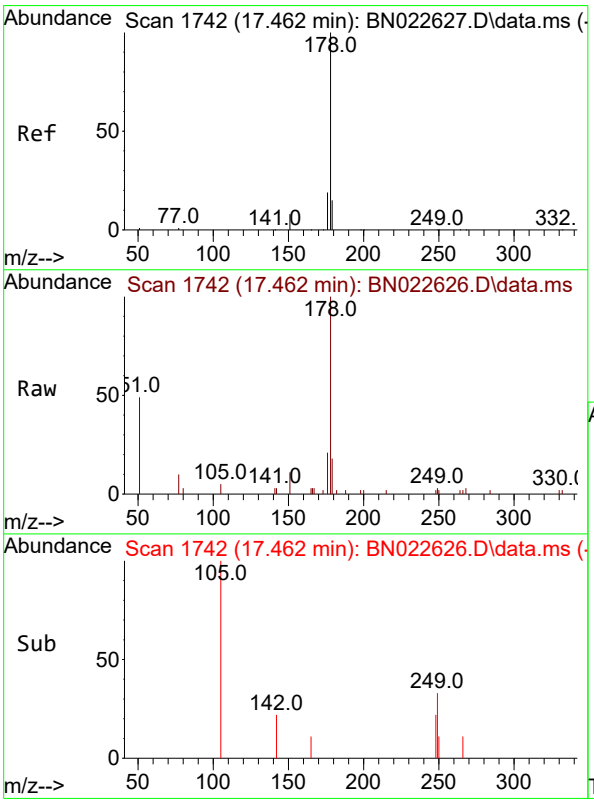
#25
Phenanthrene
Concen: 0.226 ng
RT: 17.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 5422

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.3	12.6	19.0

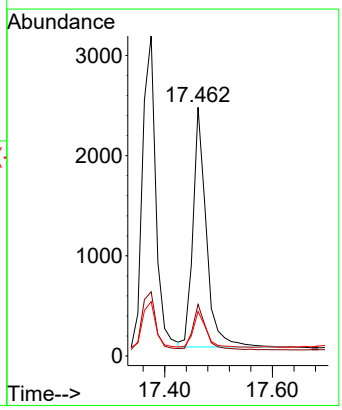


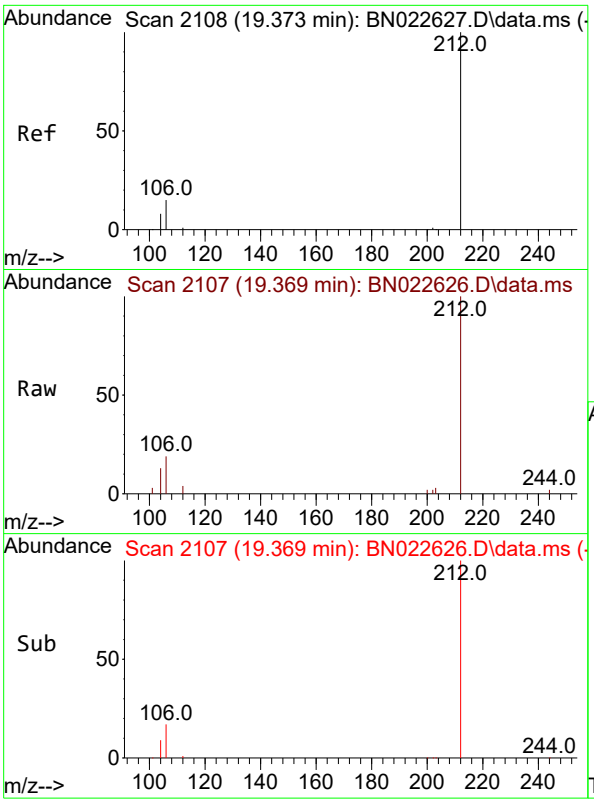


#26
Anthracene
Concen: 0.201 ng
RT: 17.462 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:178 Resp: 4130

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	14.6	11.7	17.5



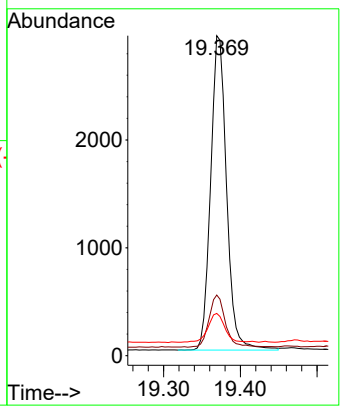


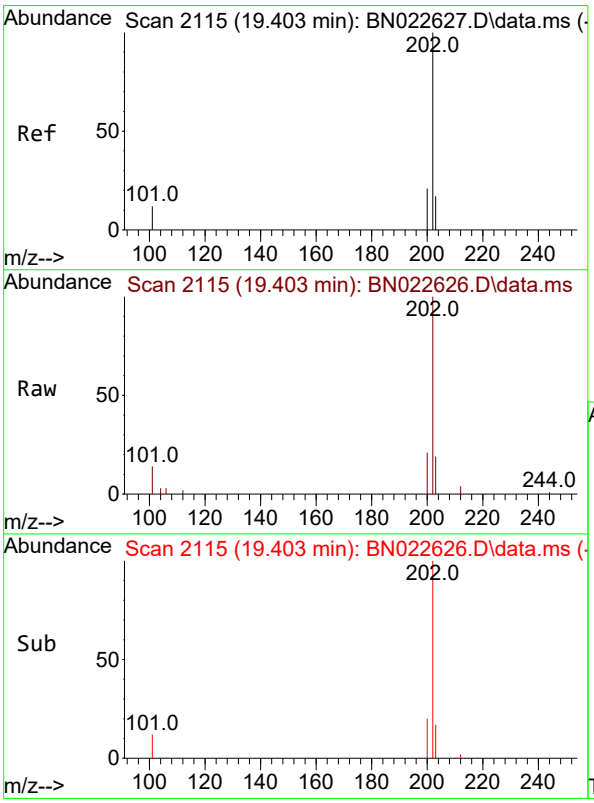
#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.369 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 4214

Ion	Ratio	Lower	Upper
212	100		
106	16.9	13.3	19.9
104	9.5	7.8	11.8

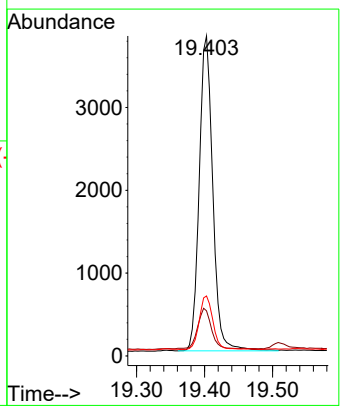


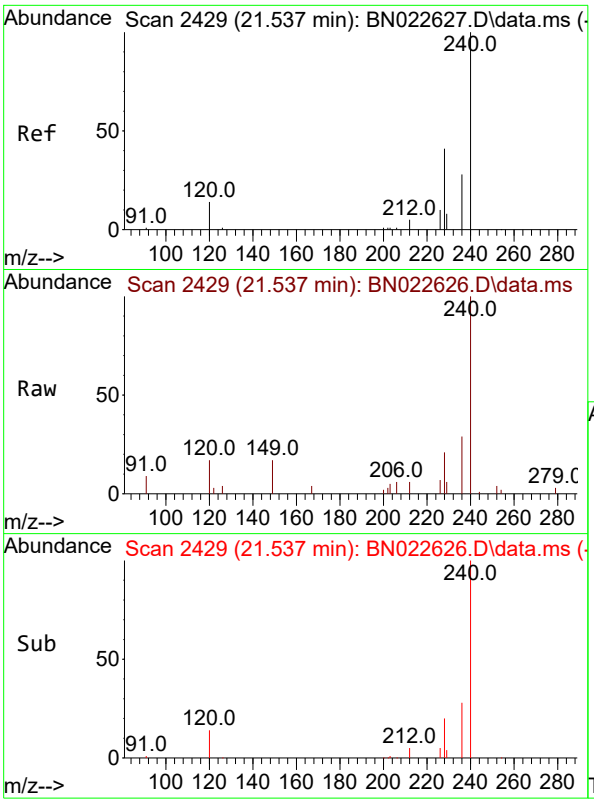


#28
Fluoranthene
Concen: 0.202 ng
RT: 19.403 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:202 Resp: 5267

Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.4	15.6
203	17.0	13.9	20.9



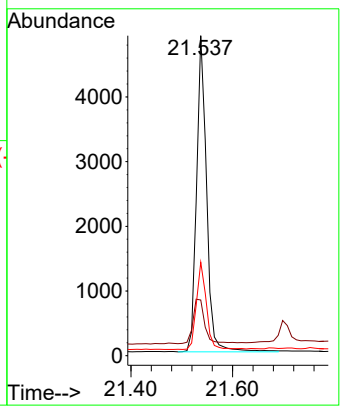


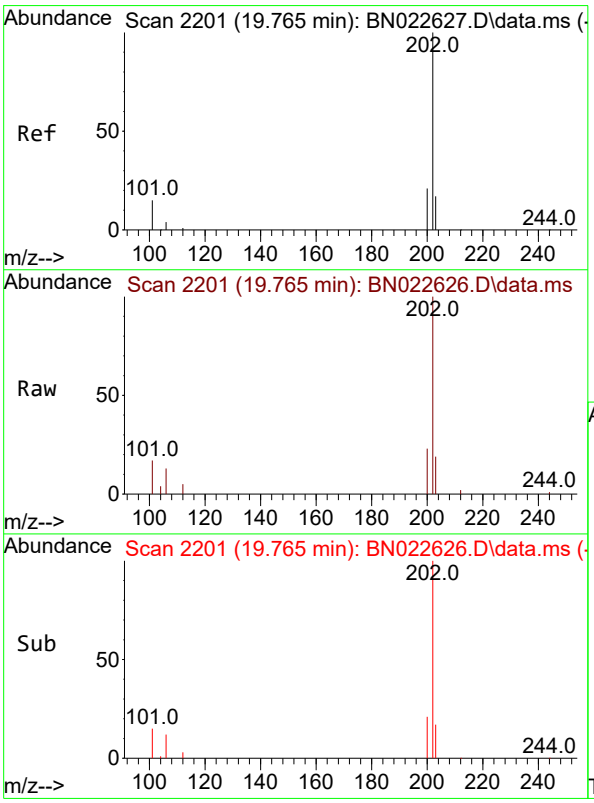
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.537 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 6677

Ion	Ratio	Lower	Upper
240	100		
120	17.4	14.0	21.0
236	29.2	23.4	35.2

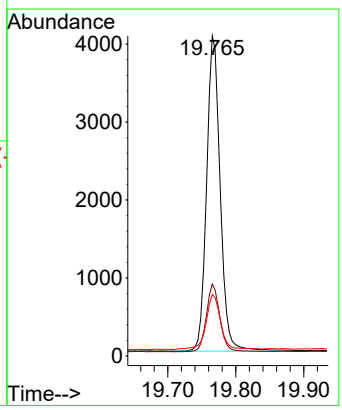


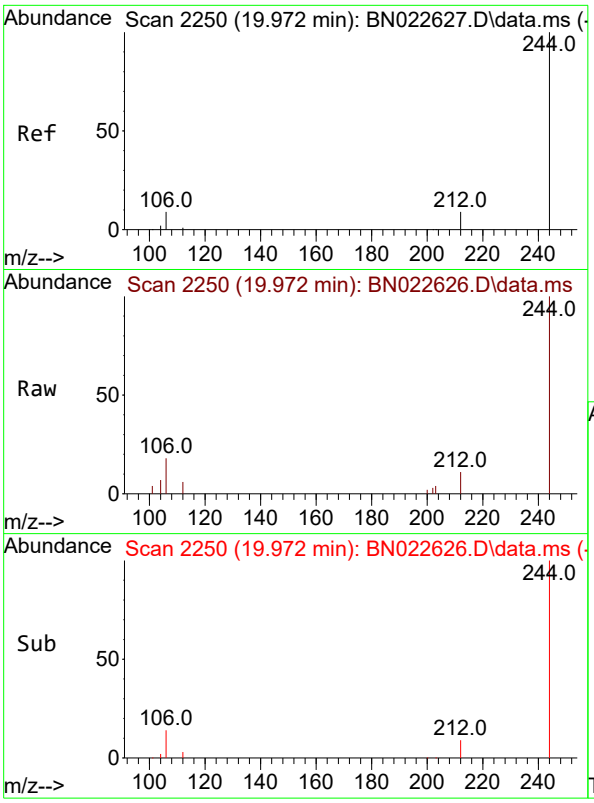


#30
Pyrene
Concen: 0.206 ng
RT: 19.765 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:202 Resp: 5597

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.6	14.6	22.0



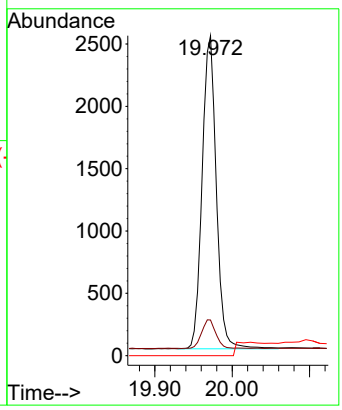


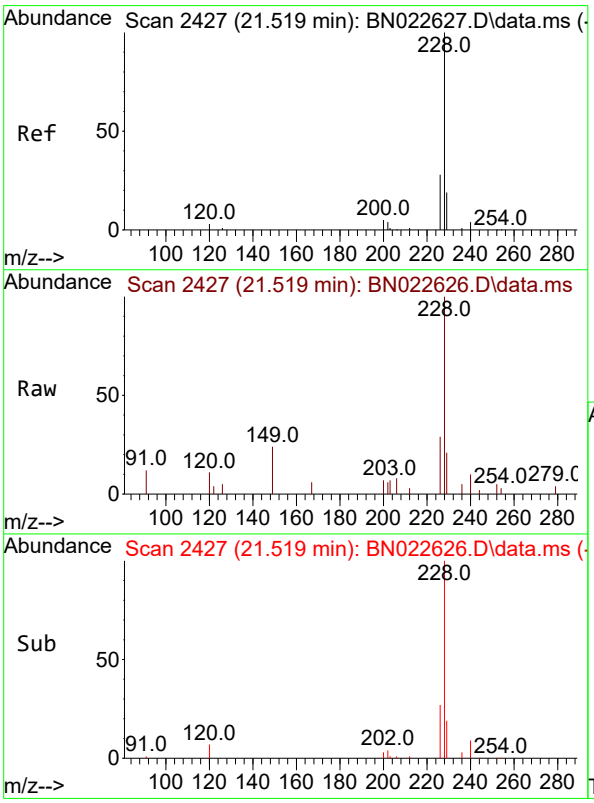
#31
Terphenyl-d14
Concen: 0.197 ng
RT: 19.972 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 4073

Ion	Ratio	Lower	Upper
244	100		
212	11.1	8.3	12.5
122	0.0	0.0	0.0

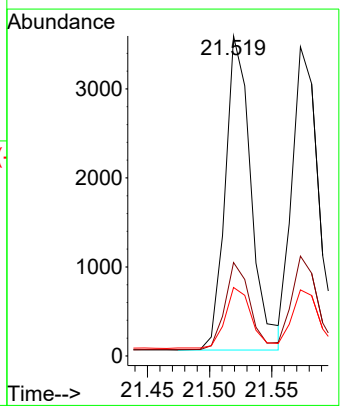


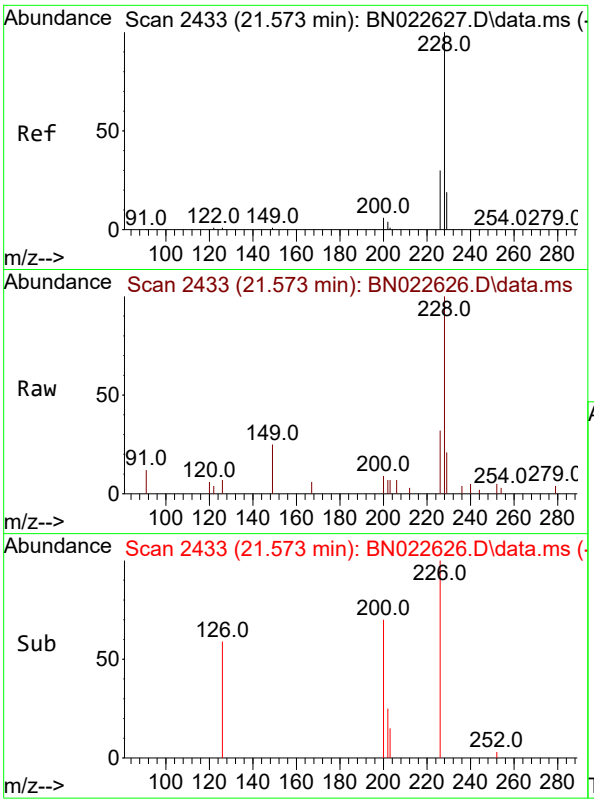


#32
Benzo(a)anthracene
Concen: 0.208 ng
RT: 21.519 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:228 Resp: 5096

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.3	34.9
229	21.4	16.5	24.7



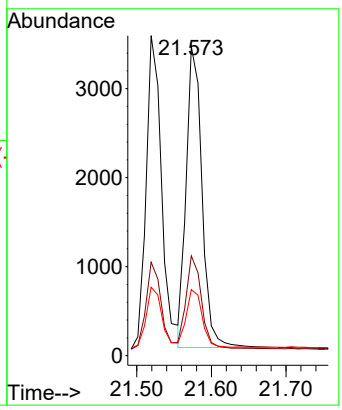


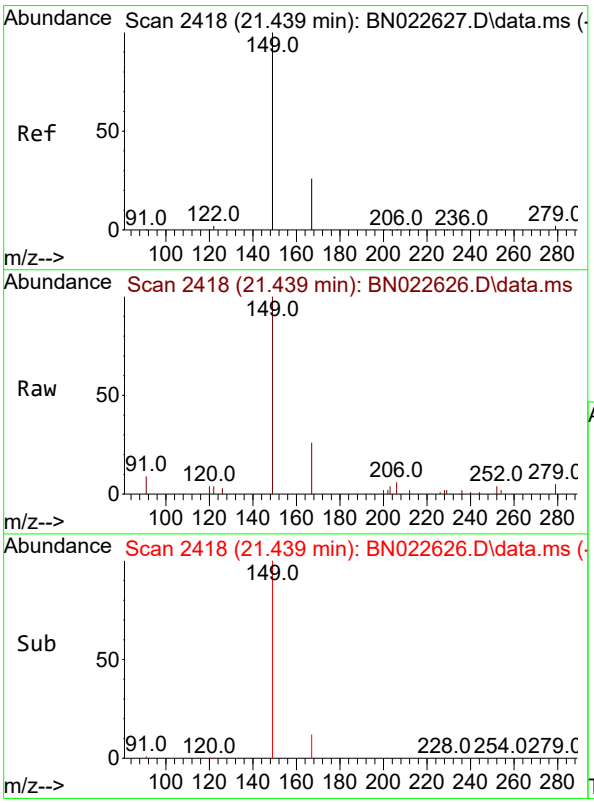
#33
Chrysene
Concen: 0.197 ng
RT: 21.573 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 4981

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	21.4	16.2	24.2

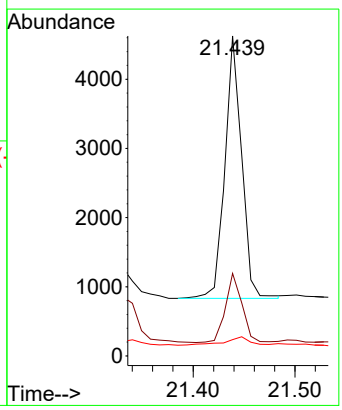


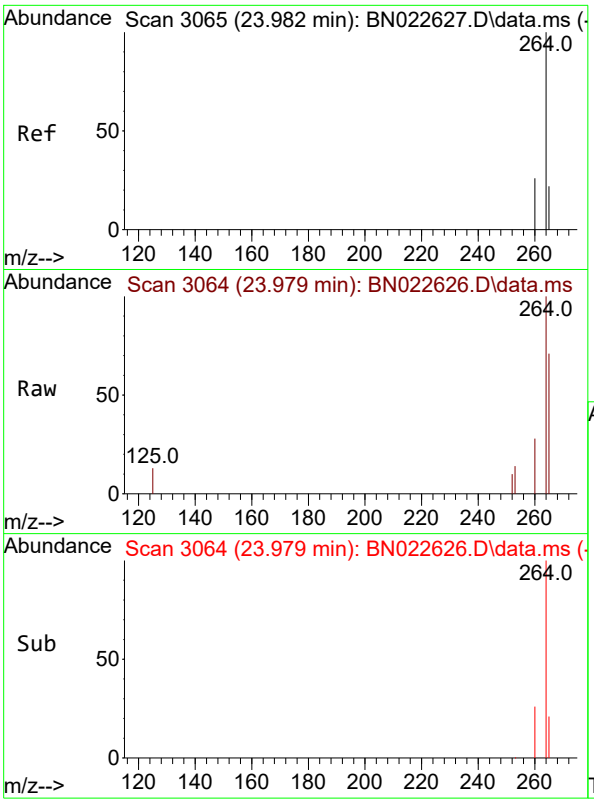


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.306 ng
RT: 21.439 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:149 Resp: 4335

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.1	31.7
279	4.6	2.8	4.2#



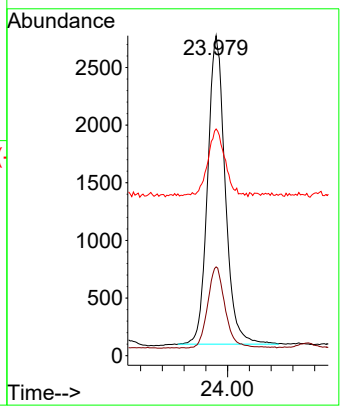


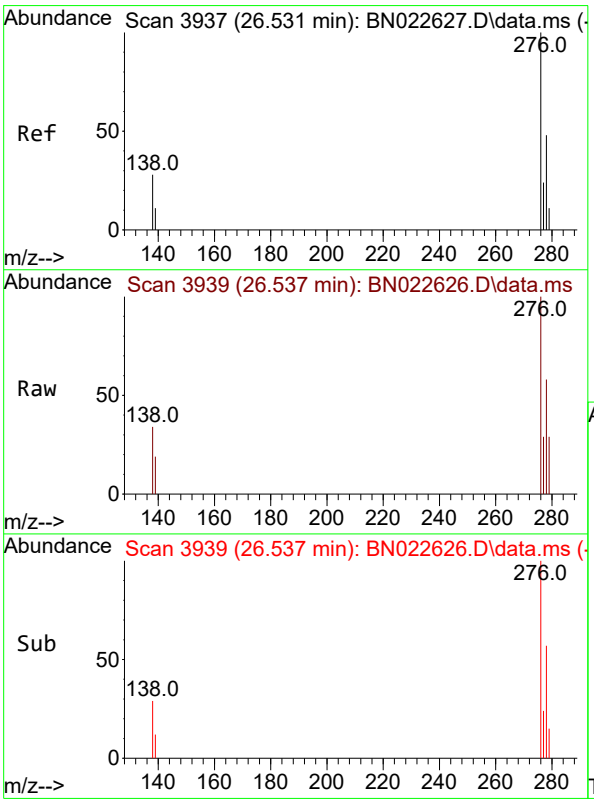
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.979 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 5967

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.0	33.0
265	70.9	60.6	90.8

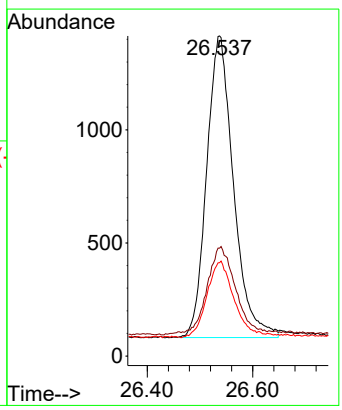


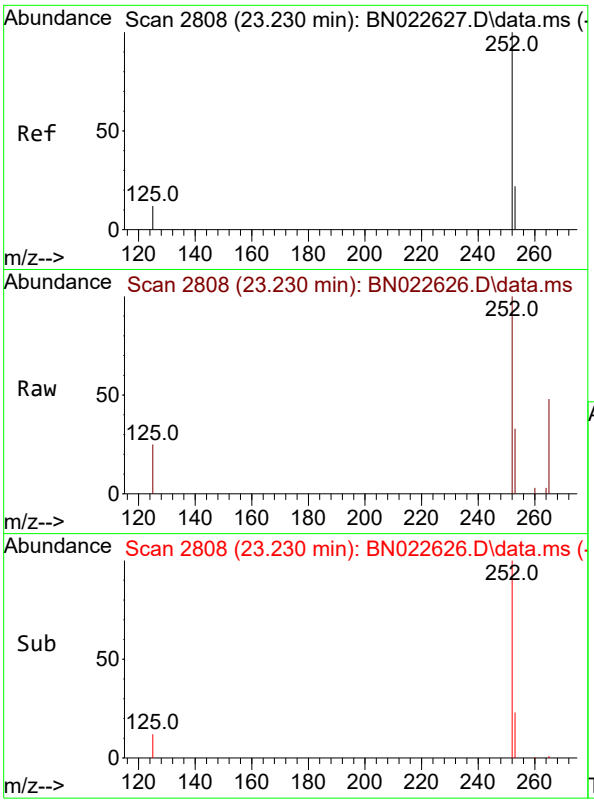


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.167 ng
RT: 26.537 min Scan# 3939
Delta R.T. 0.006 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:276 Resp: 4710

Ion	Ratio	Lower	Upper
276	100		
138	28.6	23.8	35.8
277	25.8	19.9	29.9



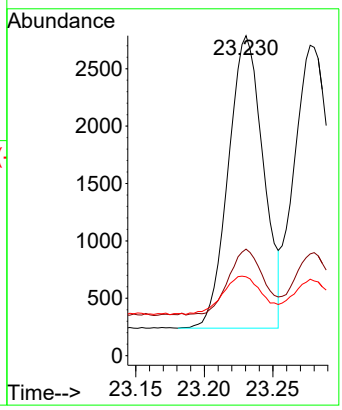


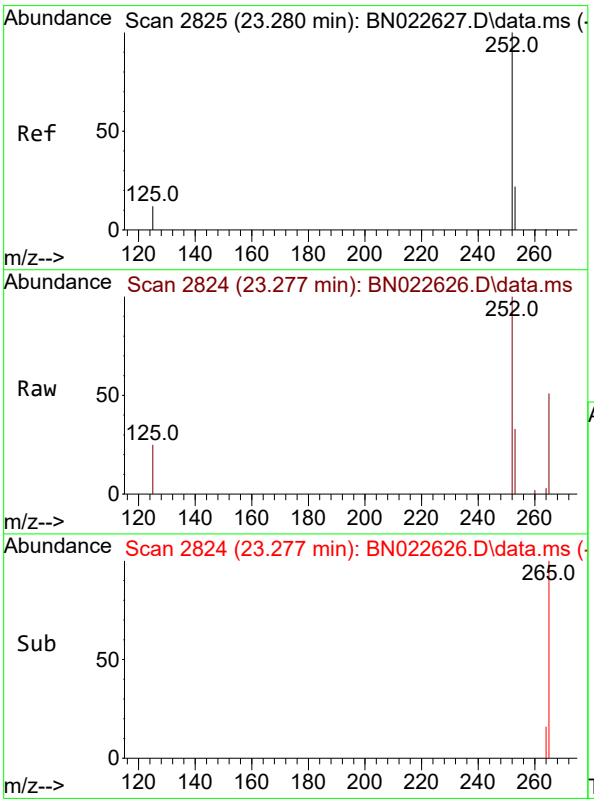
#37
Benzo(b)fluoranthene
Concen: 0.188 ng
RT: 23.230 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 4529

Ion	Ratio	Lower	Upper
252	100		
253	33.3	22.7	34.1
125	24.6	15.2	22.8#

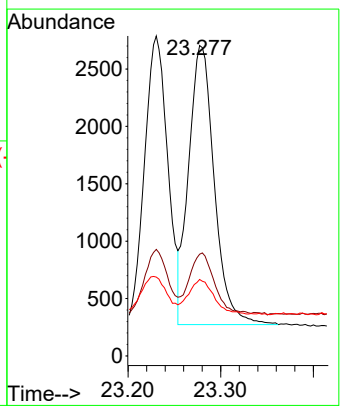


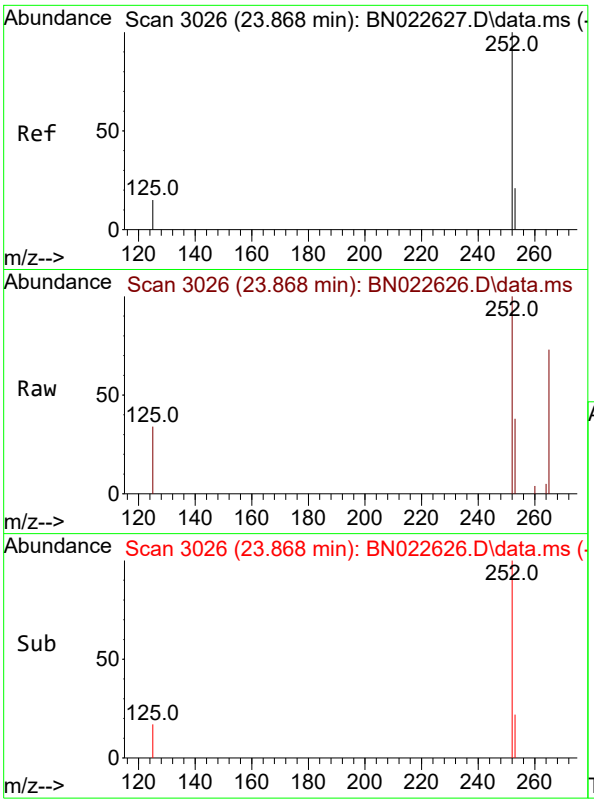


#38
Benzo(k)fluoranthene
Concen: 0.194 ng
RT: 23.277 min Scan# 2824
Delta R.T. -0.003 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:252 Resp: 4682

Ion	Ratio	Lower	Upper
252	100		
253	32.8	22.6	33.8
125	24.6	14.9	22.3#



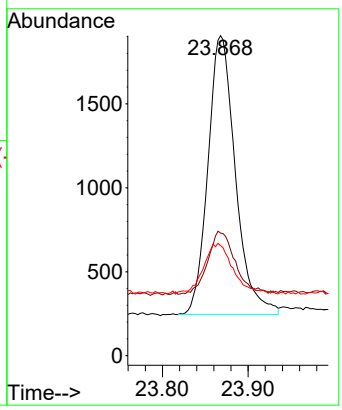


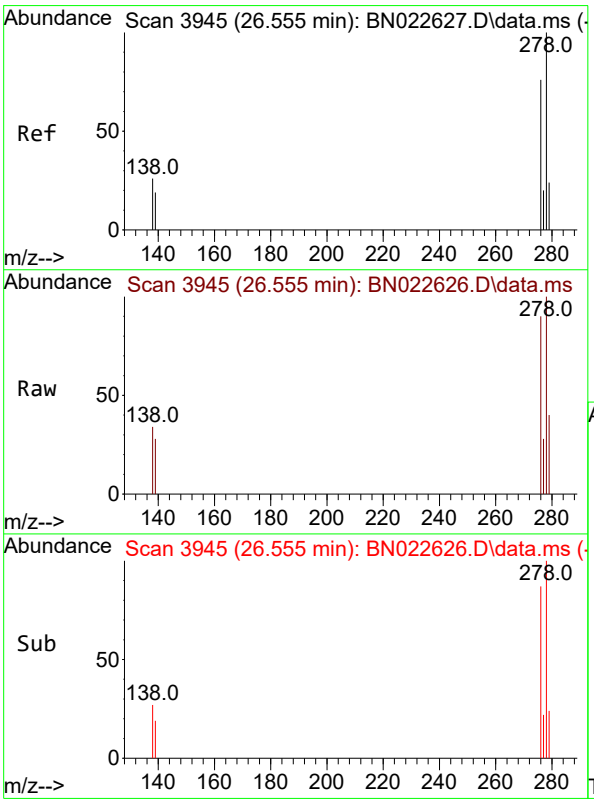
#39
Benzo(a)pyrene
Concen: 0.188 ng
RT: 23.868 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3697

Ion	Ratio	Lower	Upper
252	100		
253	38.3	24.6	36.8#
125	34.4	19.4	29.0#

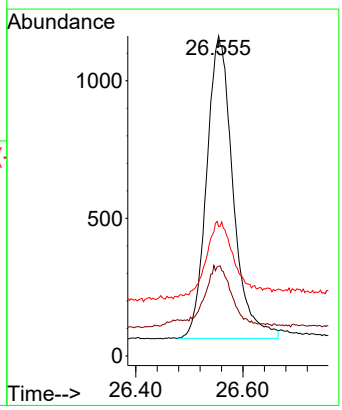


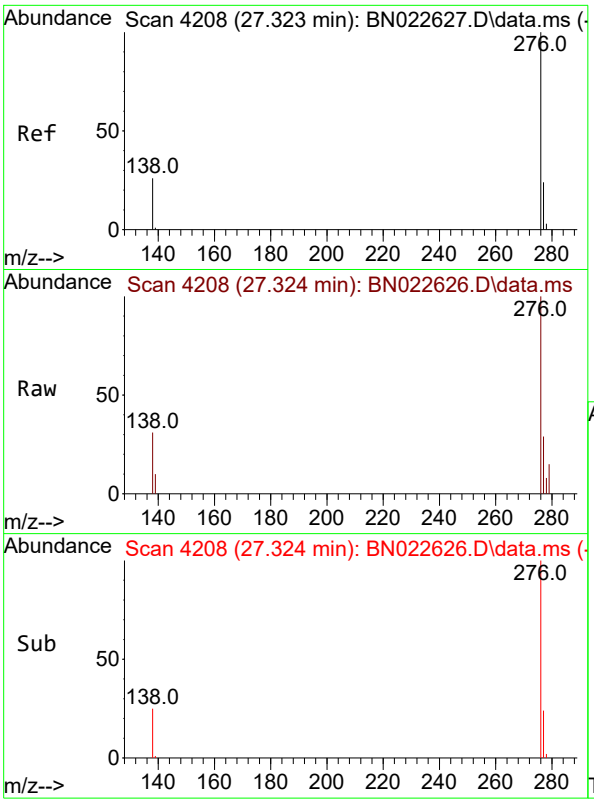


#40
Dibenzo(a,h)anthracene
Concen: 0.165 ng
RT: 26.555 min Scan# 3945
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Tgt Ion:278 Resp: 3746

Ion	Ratio	Lower	Upper
278	100		
139	28.0	19.1	28.7
279	40.4	24.8	37.2#





#41
Benzo(g,h,i)perylene
Concen: 0.166 ng
RT: 27.324 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN022626.D
Acq: 12 Nov 2022 13:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 3972

Ion	Ratio	Lower	Upper
276	100		
277	29.5	21.2	31.8
138	31.2	23.8	35.8