Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
Data File : BN026033.D
Acq On : 27 Jun 2023 12:42
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 28 05:16:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 05:11:47 2023
Response via : Initial Calibration

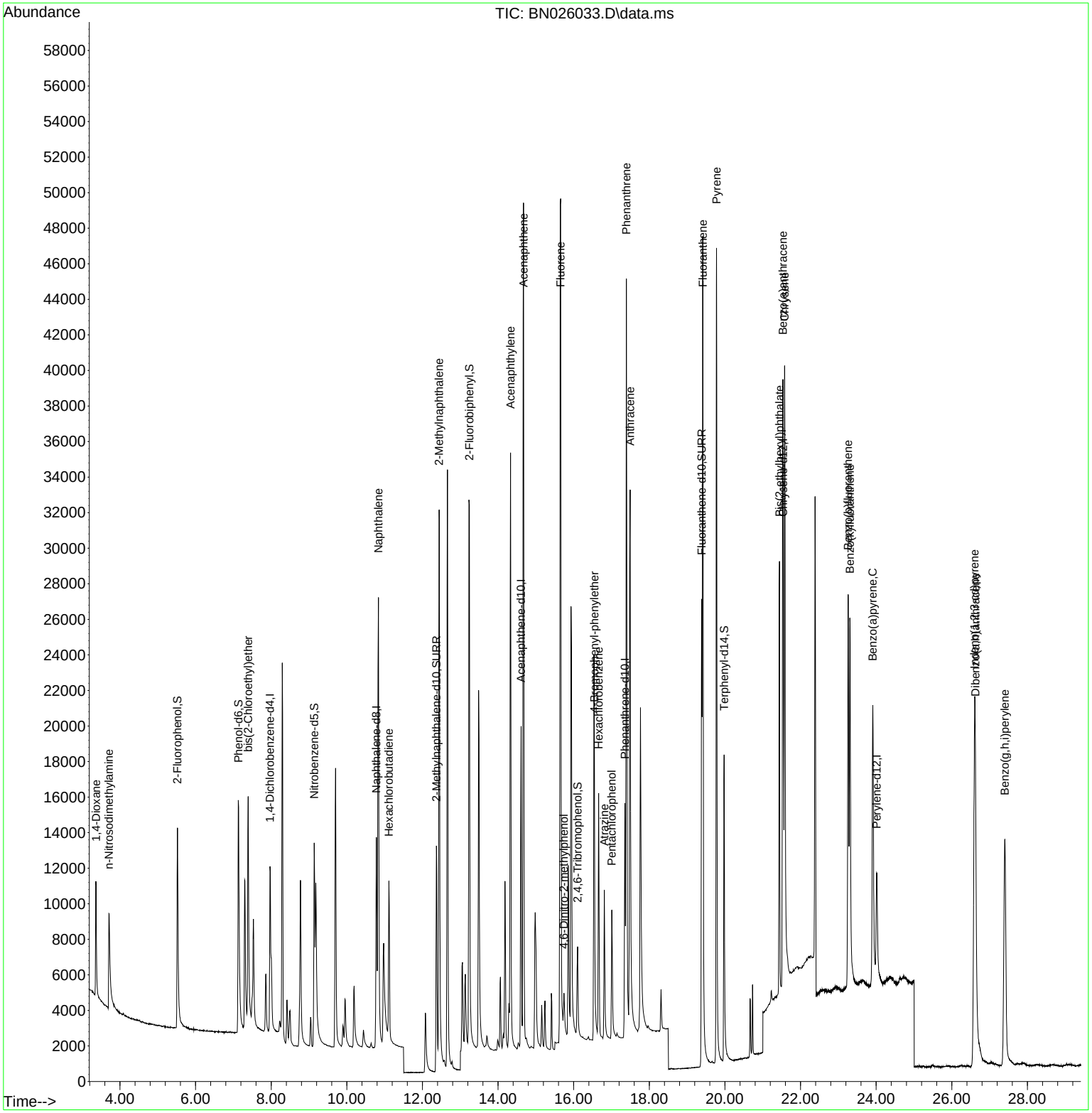
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.969	152	5680	0.400	ng		0.00
7) Naphthalene-d8	10.782	136	17503	0.400	ng		0.00
13) Acenaphthene-d10	14.609	164	10567	0.400	ng		0.00
19) Phenanthrene-d10	17.356	188	20444	0.400	ng		0.00
29) Chrysene-d12	21.542	240	10860	0.400	ng		0.00
35) Perylene-d12	24.016	264	10072	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.521	112	11899	0.864	ng		0.00
5) Phenol-d6	7.138	99	15301	0.871	ng		0.00
8) Nitrobenzene-d5	9.138	82	12635	0.844	ng		-0.01
11) 2-Methylnaphthalene-d10	12.370	152	21267	0.831	ng		0.00
14) 2,4,6-Tribromophenol	16.102	330	3043	0.792	ng		0.00
15) 2-Fluorobiphenyl	13.240	172	34876	0.855	ng		0.00
27) Fluoranthene-d10	19.384	212	34062	0.786	ng		0.00
31) Terphenyl-d14	19.978	244	21843	0.786	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.368	88	4758	0.792	ng		94
3) n-Nitrosodimethylamine	3.708	42	5251	0.863	ng	#	97
6) bis(2-Chloroethyl)ether	7.391	93	12131	0.839	ng		98
9) Naphthalene	10.835	128	38834	0.820	ng		99
10) Hexachlorobutadiene	11.113	225	7537	0.824	ng	#	100
12) 2-Methylnaphthalene	12.442	142	27496	0.825	ng		99
16) Acenaphthylene	14.331	152	40545	0.818	ng		99
17) Acenaphthene	14.673	154	26162	0.818	ng		99
18) Fluorene	15.656	166	34271	0.822	ng		100
20) 4,6-Dinitro-2-methylph...	15.742	198	2291	0.830	ng	#	74
21) 4-Bromophenyl-phenylether	16.549	248	9942	0.852	ng		96
22) Hexachlorobenzene	16.661	284	9563	0.818	ng		98
23) Atrazine	16.810	200	8079	0.806	ng		98
24) Pentachlorophenol	17.008	266	4148	0.753	ng		97
25) Phenanthrene	17.393	178	49104	0.820	ng		100
26) Anthracene	17.493	178	44237	0.820	ng		99
28) Fluoranthene	19.416	202	49196	0.782	ng		99
30) Pyrene	19.779	202	48331	0.803	ng		100
32) Benzo(a)anthracene	21.533	228	33056	0.846	ng		98
33) Chrysene	21.578	228	34554	0.793	ng		99
34) Bis(2-ethylhexyl)phtha...	21.444	149	25569	0.733	ng		100
36) Indeno(1,2,3-cd)pyrene	26.604	276	35149	0.850	ng		98
37) Benzo(b)fluoranthene	23.259	252	29978	0.821	ng	#	91
38) Benzo(k)fluoranthene	23.306	252	31104	0.799	ng	#	92
39) Benzo(a)pyrene	23.911	252	29693	0.828	ng	#	90
40) Dibenzo(a,h)anthracene	26.624	278	27896	0.862	ng		93
41) Benzo(g,h,i)perylene	27.402	276	32460	0.860	ng		98

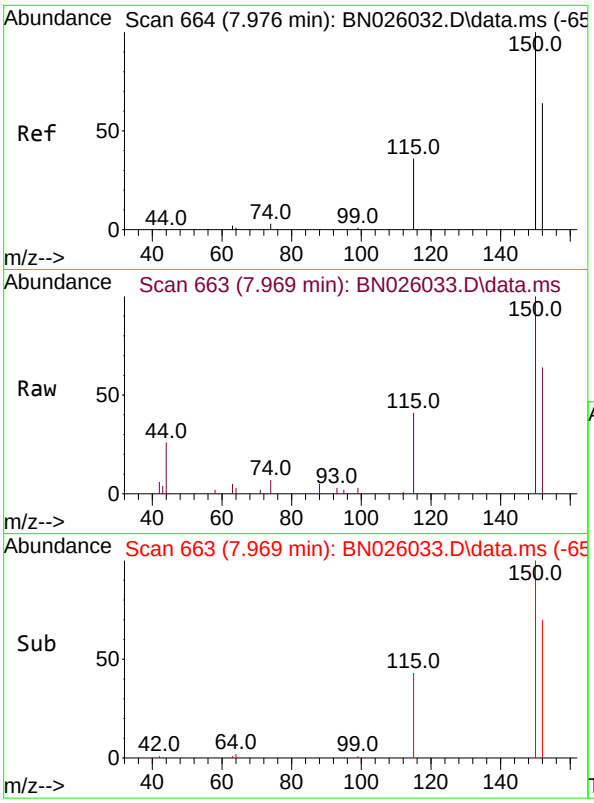
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
Data File : BN026033.D
Acq On : 27 Jun 2023 12:42
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 28 05:16:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 05:11:47 2023
Response via : Initial Calibration



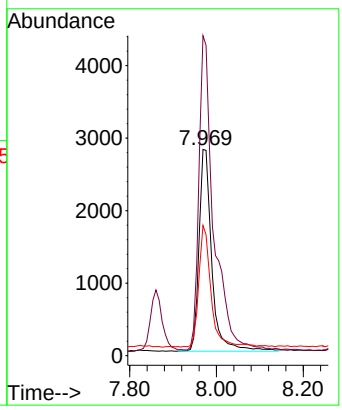


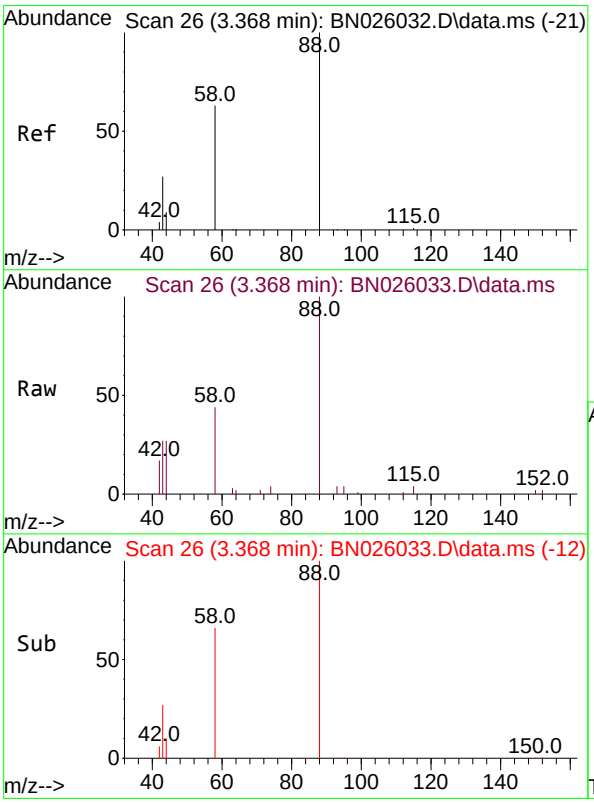
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.969 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 5680

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.7	187.1
115	63.2	48.2	72.4

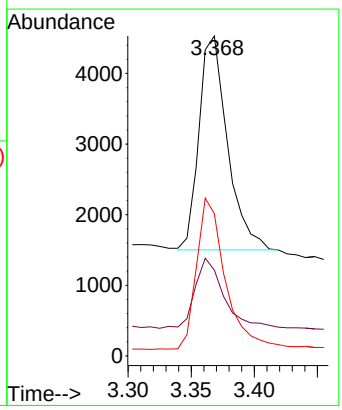


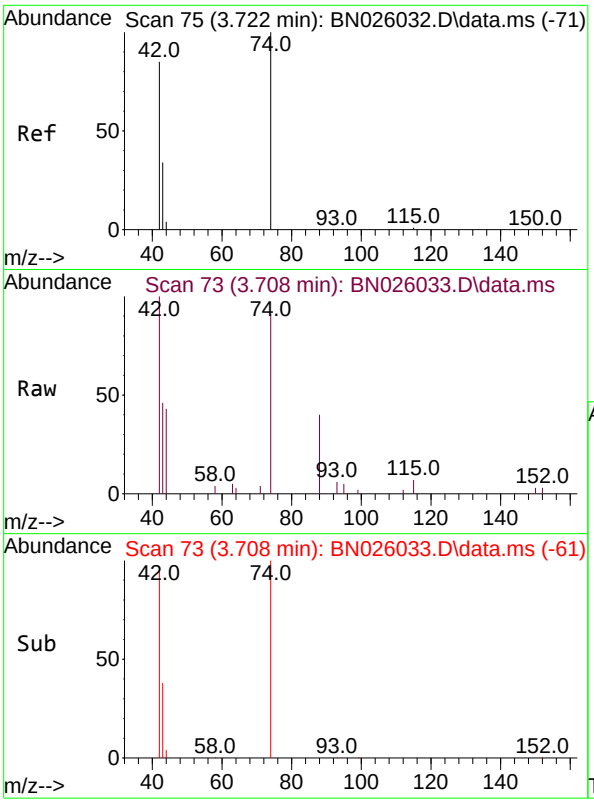


#2
1,4-Dioxane
Concen: 0.792 ng
RT: 3.368 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion: 88 Resp: 4758

Ion	Ratio	Lower	Upper
88	100		
43	33.2	24.2	36.4
58	71.6	53.3	79.9



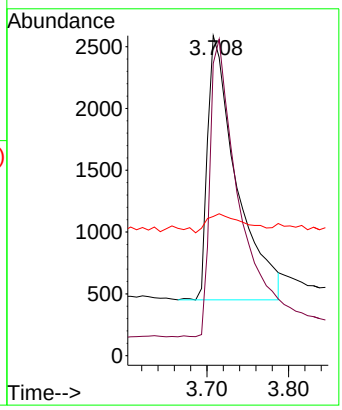


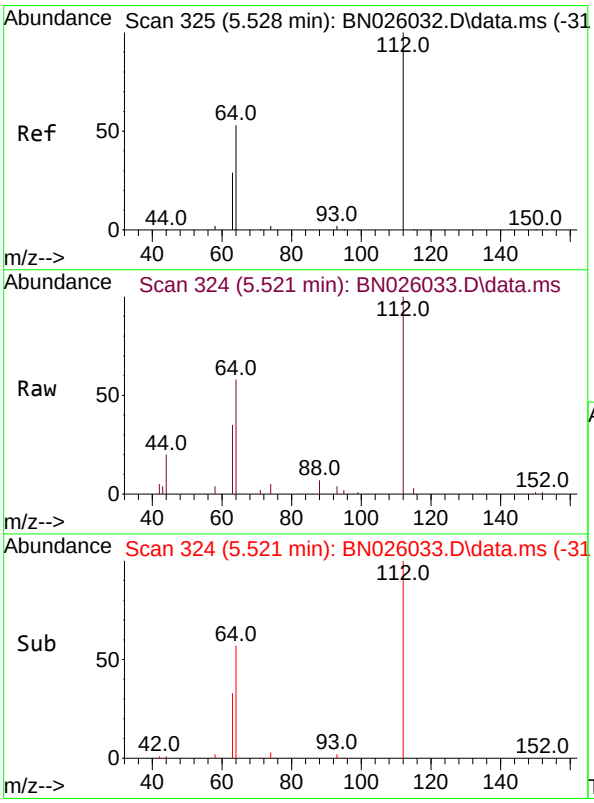
#3
n-Nitrosodimethylamine
Concen: 0.863 ng
RT: 3.708 min Scan# 7
Delta R.T. -0.014 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 5251

Ion	Ratio	Lower	Upper
42	100		
74	114.4	93.8	140.8
44	9.1	3.0	4.4#

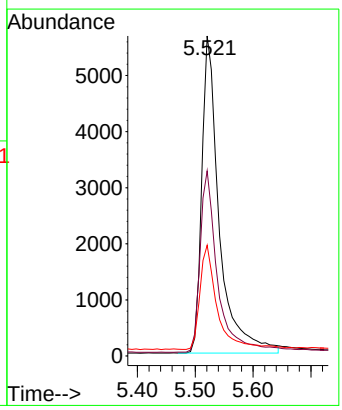


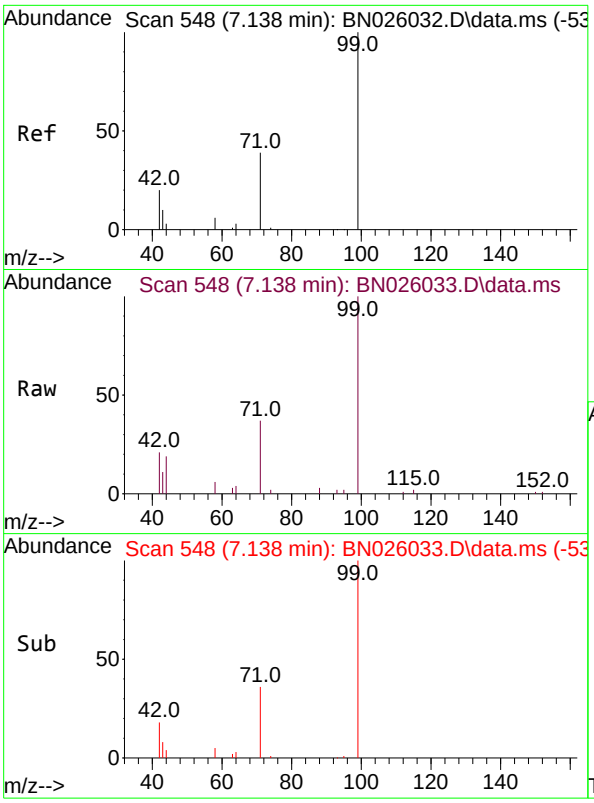


#4
2-Fluorophenol
Concen: 0.864 ng
RT: 5.521 min Scan# 324
Delta R.T. -0.007 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:112 Resp: 11899

Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.8	68.6
63	32.7	27.4	41.2



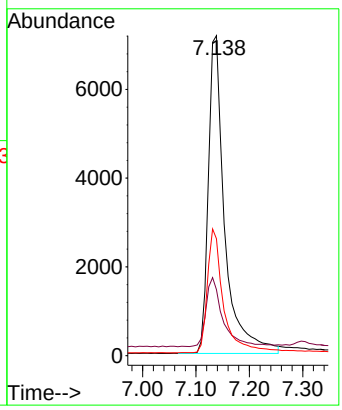


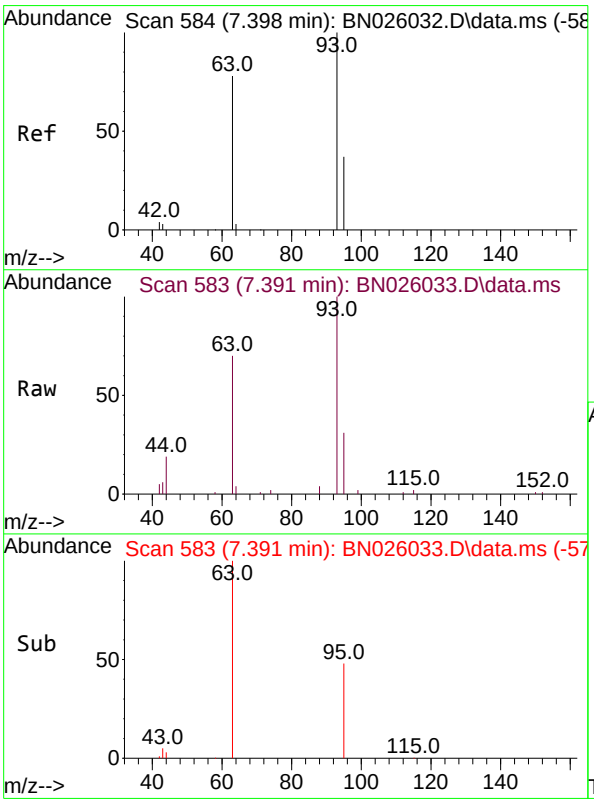
#5
Phenol-d6
Concen: 0.871 ng
RT: 7.138 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 15301

Ion	Ratio	Lower	Upper
99	100		
42	22.5	18.4	27.6
71	38.4	30.6	46.0

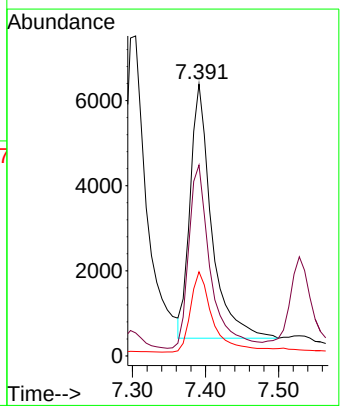


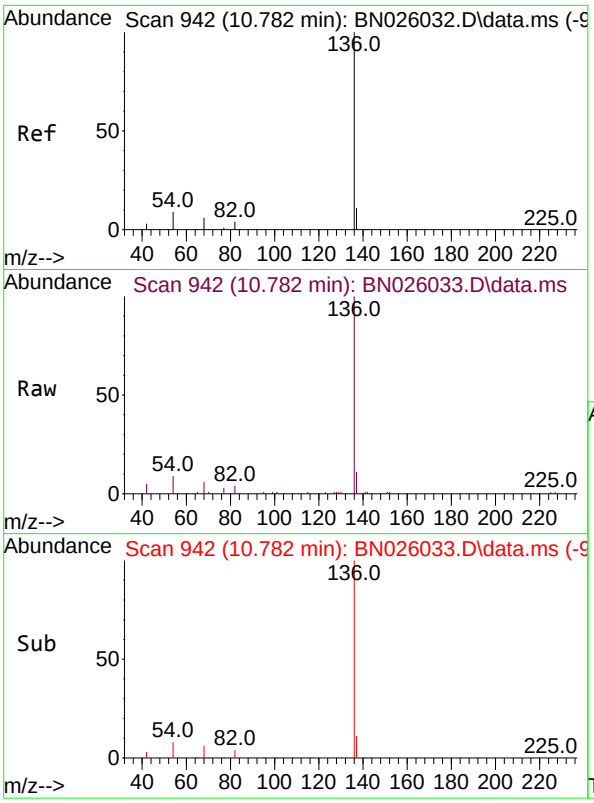


#6
bis(2-Chloroethyl)ether
Concen: 0.839 ng
RT: 7.391 min Scan# 583
Delta R.T. -0.007 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion: 93 Resp: 12131

Ion	Ratio	Lower	Upper
93	100		
63	73.4	58.8	88.2
95	33.3	29.2	43.8



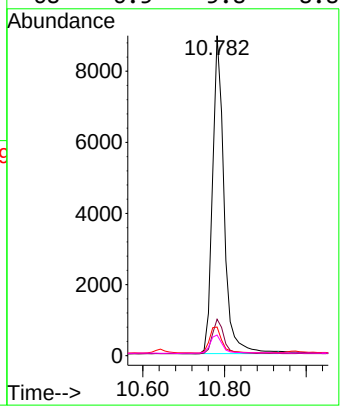


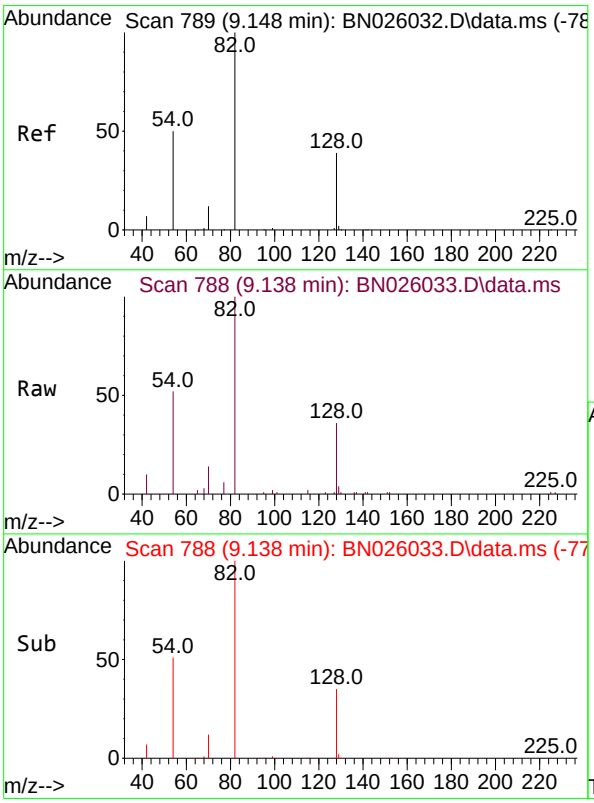
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.782 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 17503

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.0	7.8	11.6
68	6.5	5.8	8.8

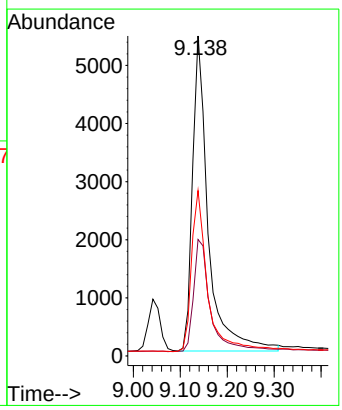


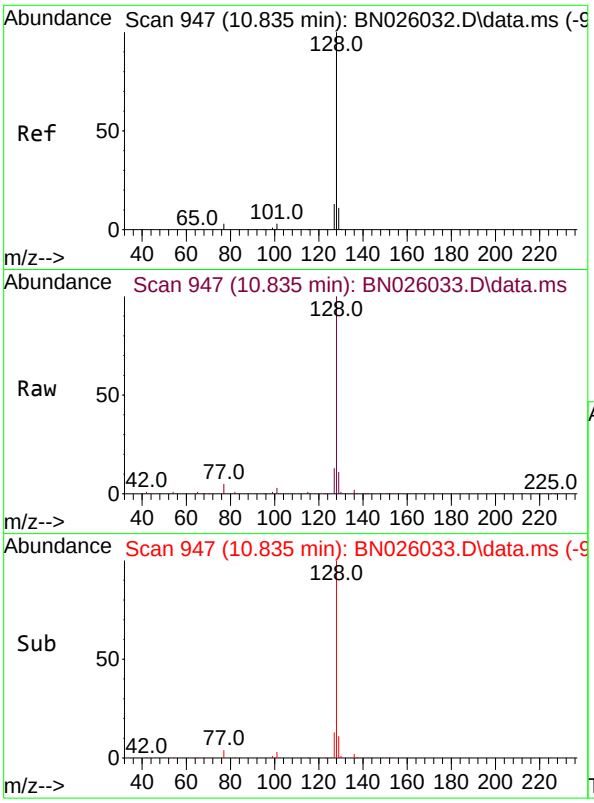


#8
Nitrobenzene-d5
Concen: 0.844 ng
RT: 9.138 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion: 82 Resp: 12635

Ion	Ratio	Lower	Upper
82	100		
128	36.4	33.4	50.2
54	51.7	41.7	62.5



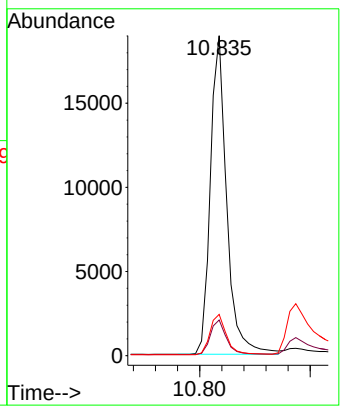


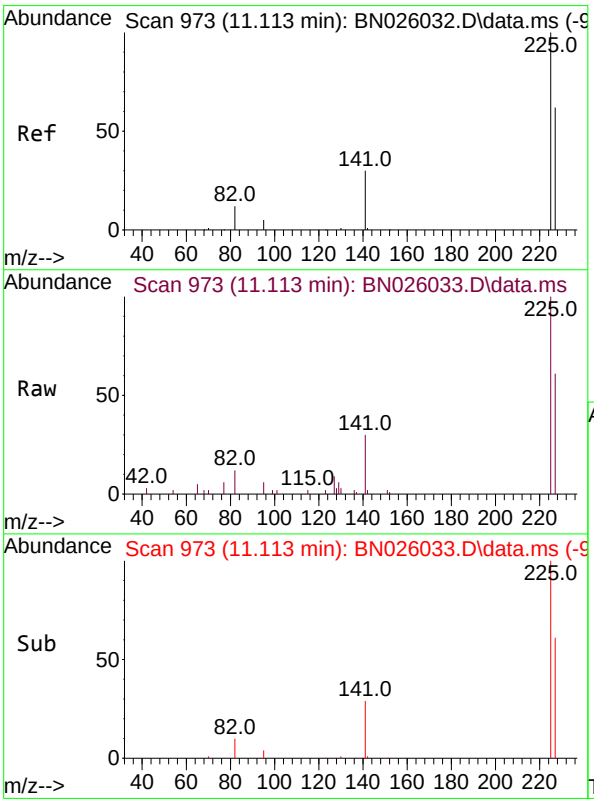
#9
Naphthalene
Concen: 0.820 ng
RT: 10.835 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 38834

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	12.9	10.9	16.3

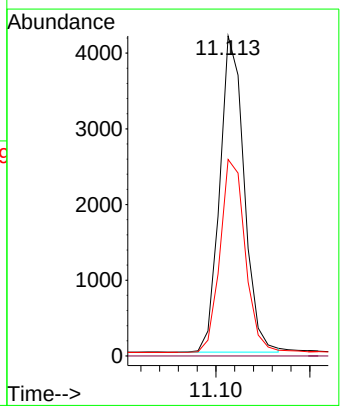


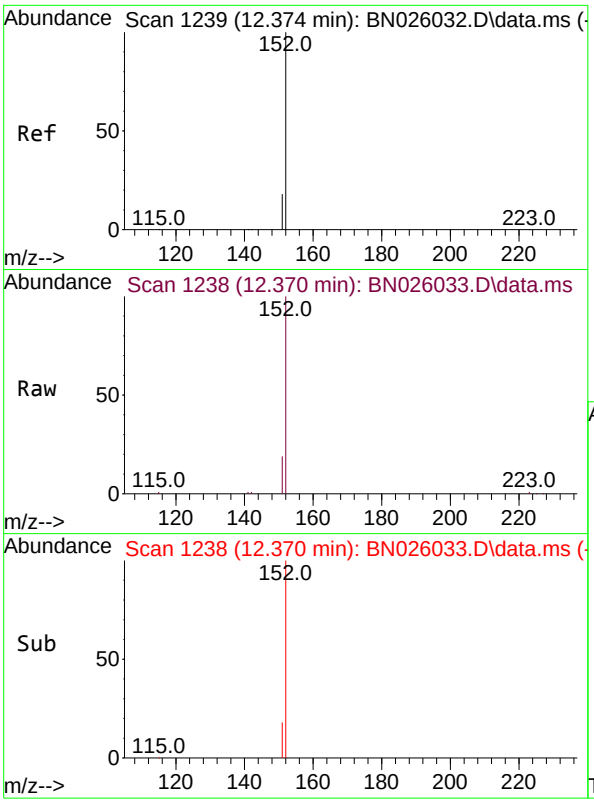


#10
Hexachlorobutadiene
Concen: 0.824 ng
RT: 11.113 min Scan# 973
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:225 Resp: 7537

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.8	50.3	75.5



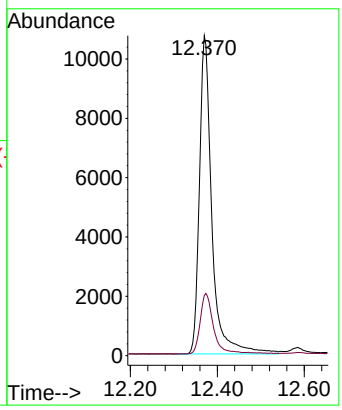


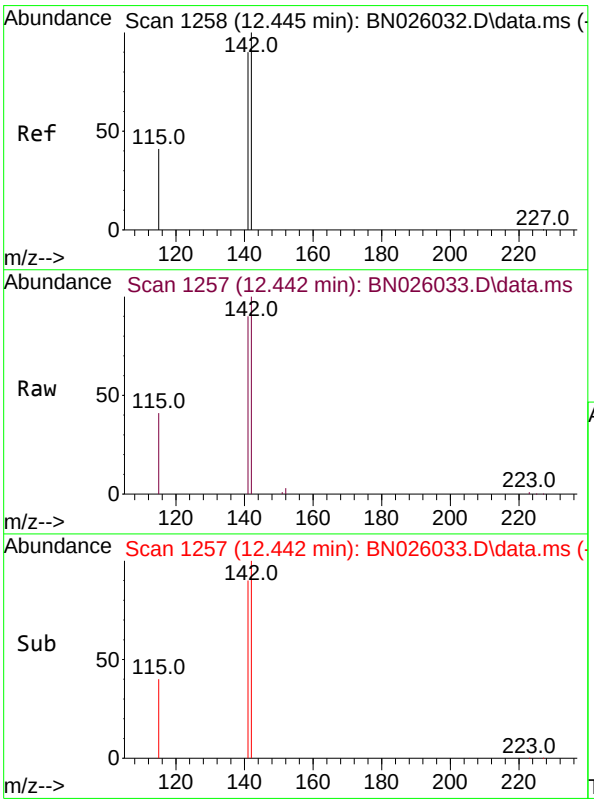
#11
2-Methylnaphthalene-d10
Concen: 0.831 ng
RT: 12.370 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 21267

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

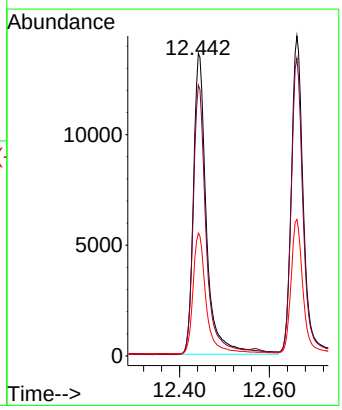


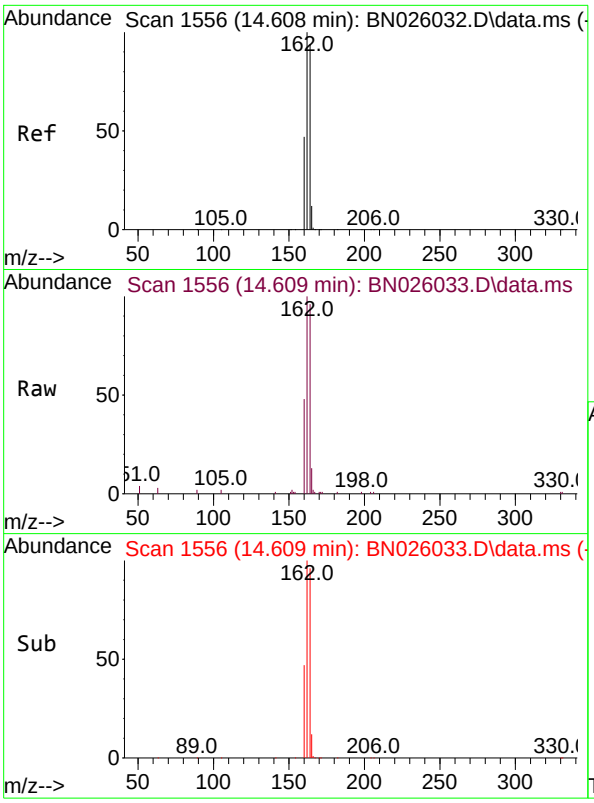


#12
2-Methylnaphthalene
Concen: 0.825 ng
RT: 12.442 min Scan# 1257
Delta R.T. -0.004 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:142 Resp: 27496

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.7	107.5
115	40.6	33.4	50.0



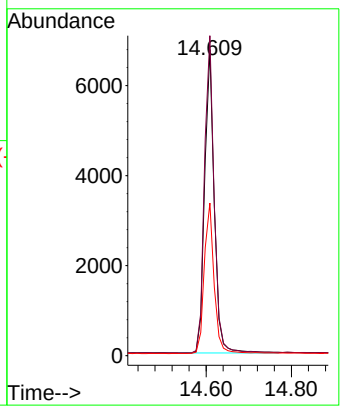


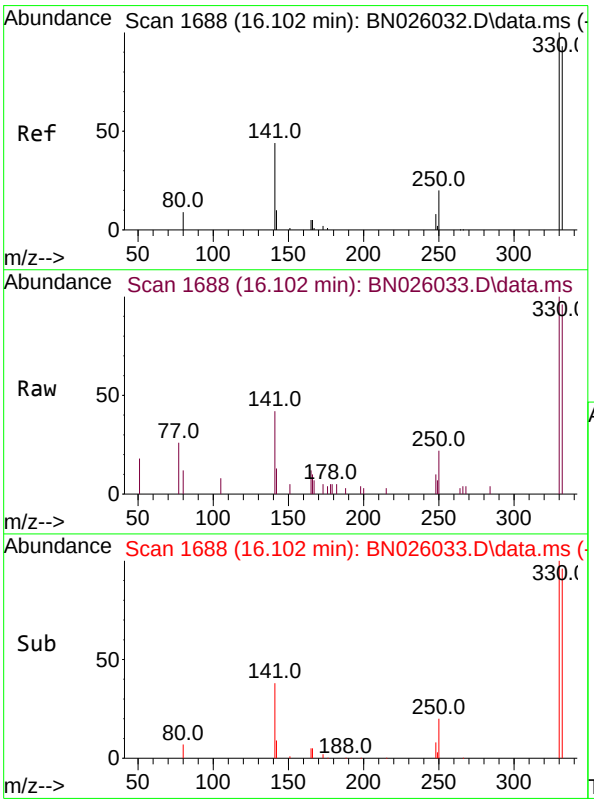
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 10567

Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.3	127.9
160	49.9	40.0	60.0

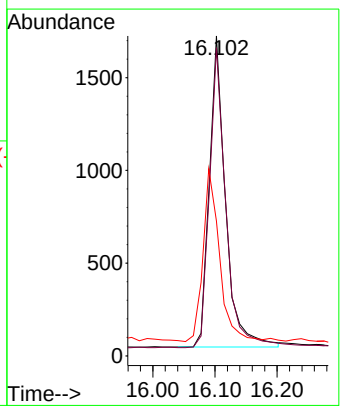


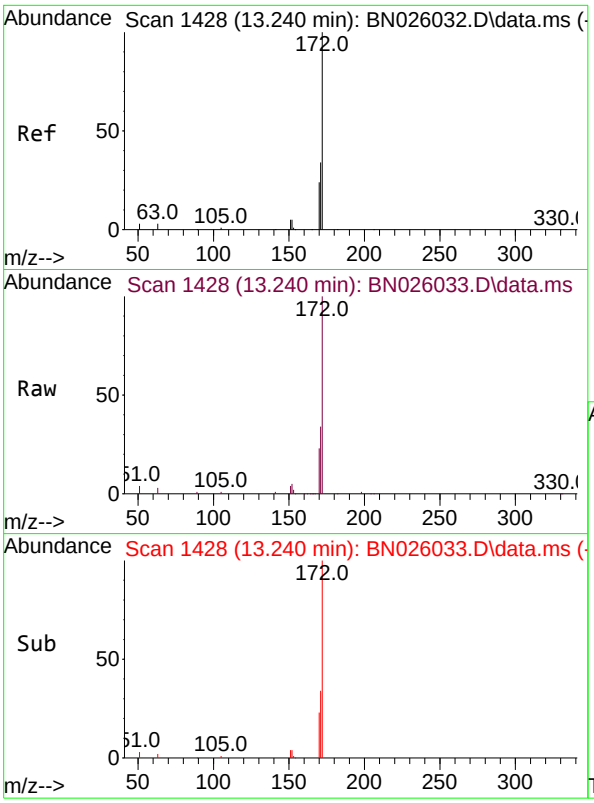


#14
2,4,6-Tribromophenol
Concen: 0.792 ng
RT: 16.102 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:330 Resp: 3043

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.0	114.0
141	55.4	42.8	64.2



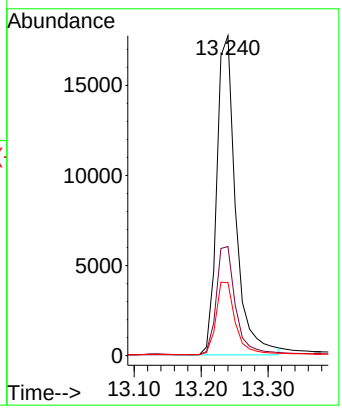


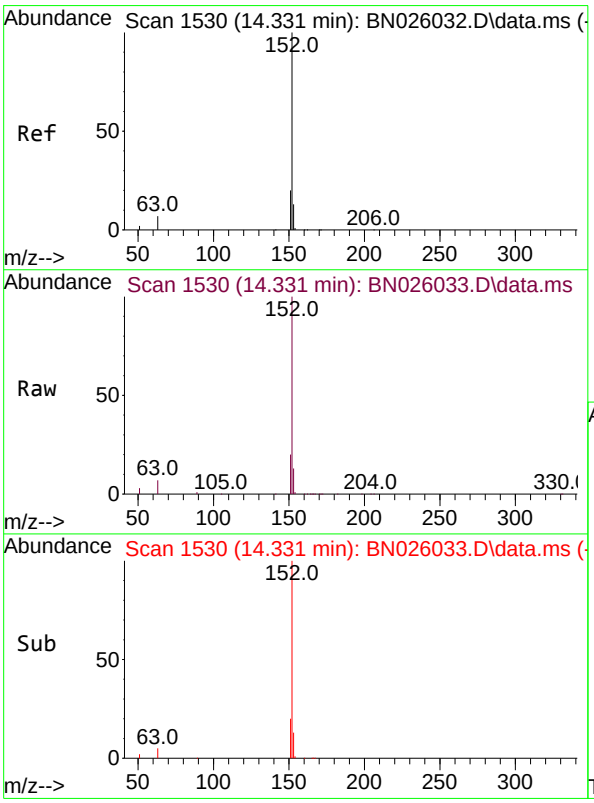
#15
2-Fluorobiphenyl
Concen: 0.855 ng
RT: 13.240 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 34876

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.8
170	22.9	19.3	28.9

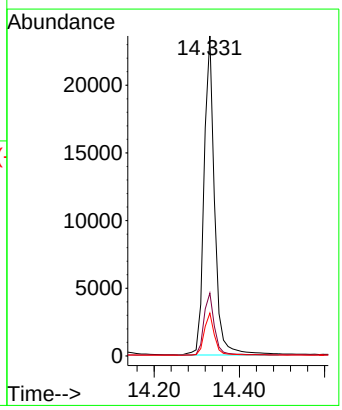


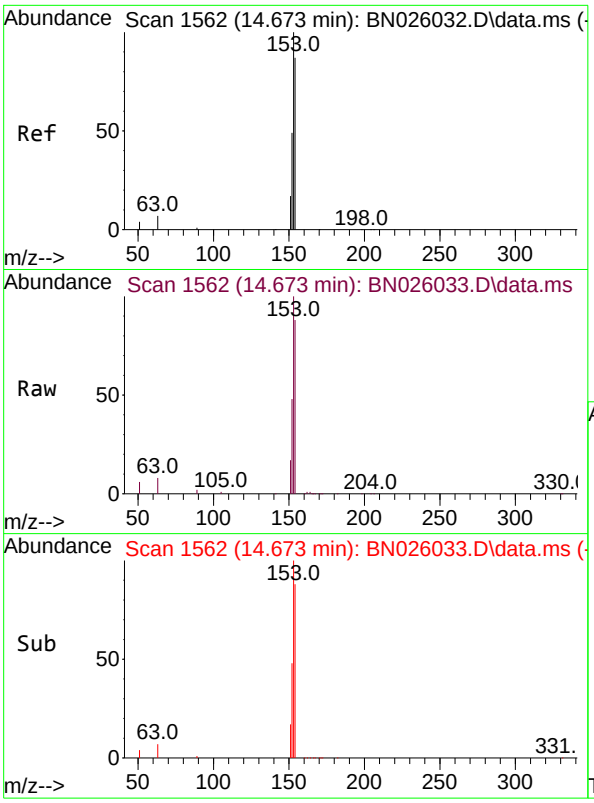


#16
Acenaphthylene
Concen: 0.818 ng
RT: 14.331 min Scan# 1530
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:152 Resp: 40545

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.6	15.8



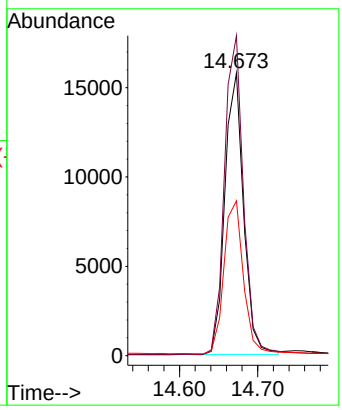


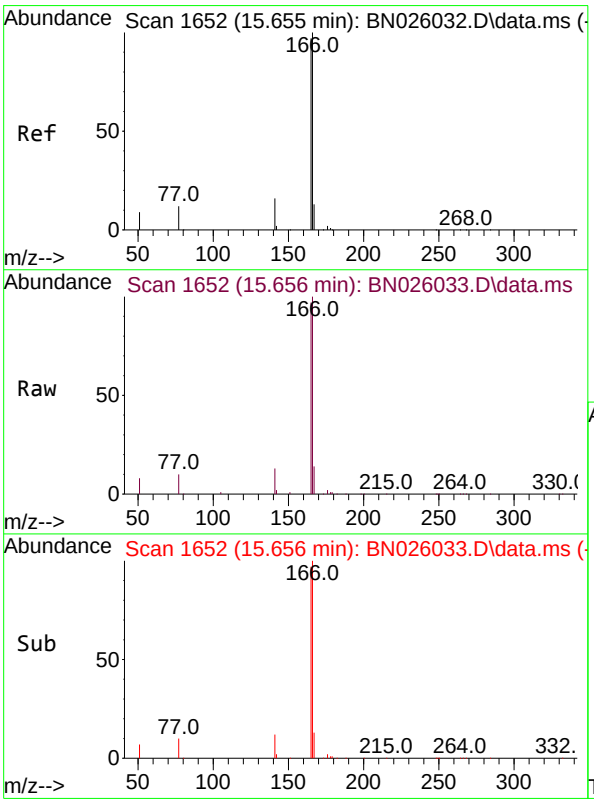
#17
Acenaphthene
Concen: 0.818 ng
RT: 14.673 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 26162

Ion	Ratio	Lower	Upper
154	100		
153	116.5	94.4	141.6
152	57.3	46.1	69.1

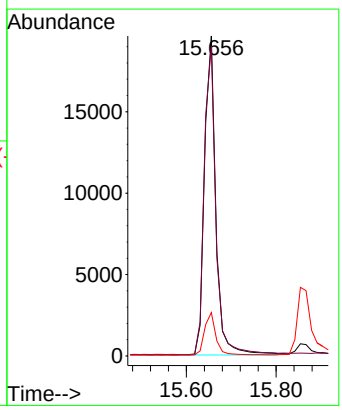


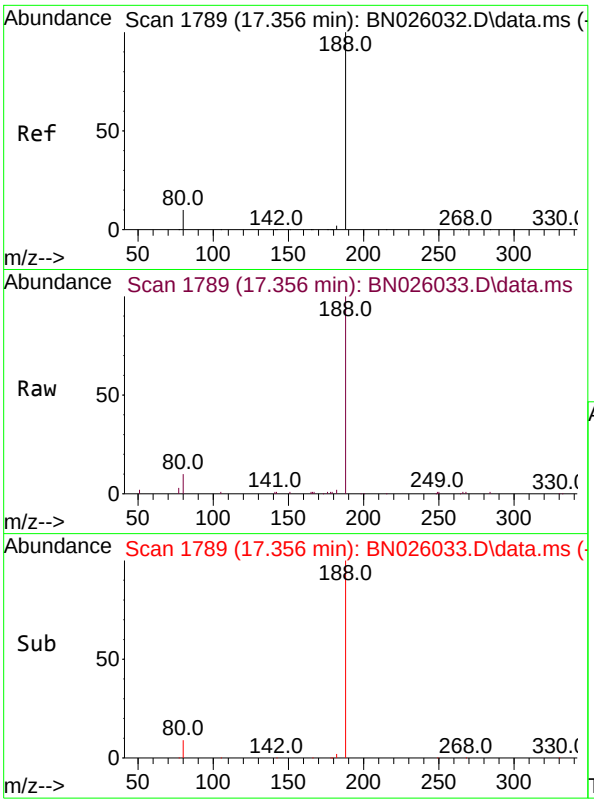


#18
Fluorene
Concen: 0.822 ng
RT: 15.656 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:166 Resp: 34271

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.4	10.6	16.0



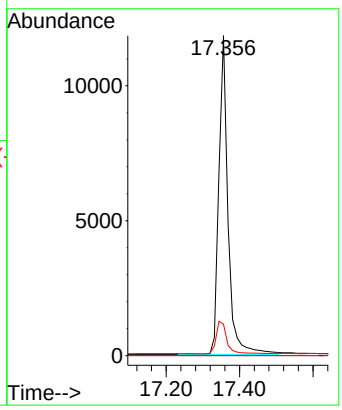


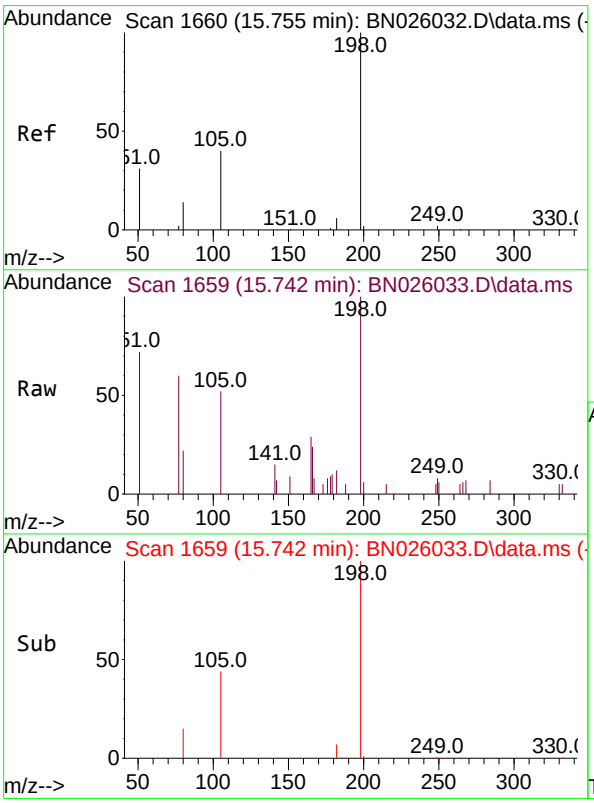
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.356 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 20444

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	8.6	13.0

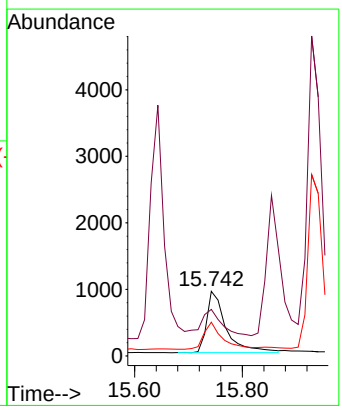


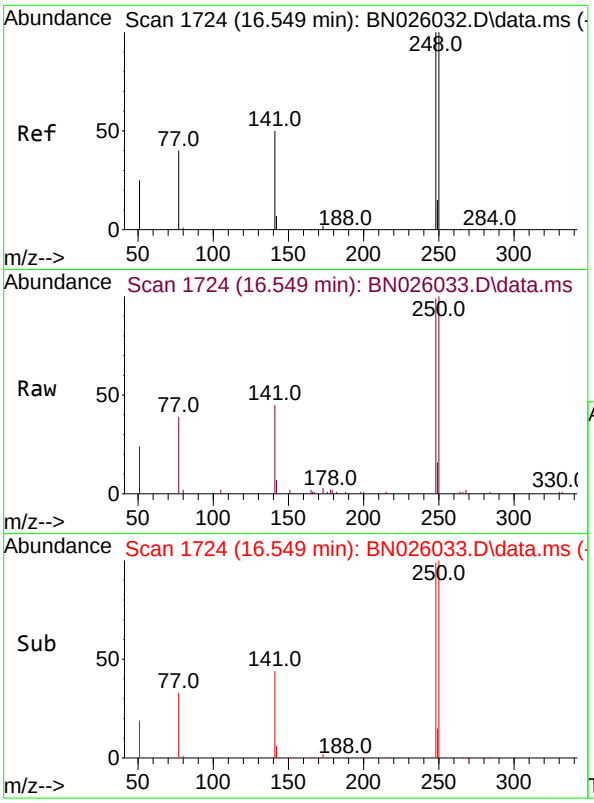


#20
4,6-Dinitro-2-methylphenol
Concen: 0.830 ng
RT: 15.742 min Scan# 1659
Delta R.T. -0.013 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:198 Resp: 2291

Ion	Ratio	Lower	Upper
198	100		
51	72.0	85.8	128.8#
105	52.2	48.2	72.2



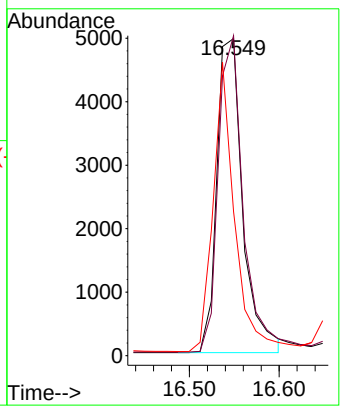


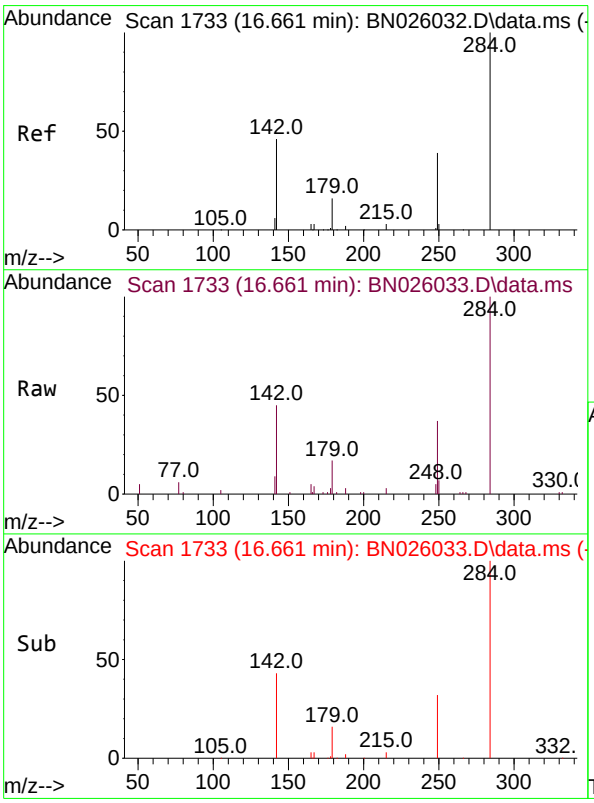
#21
4-Bromophenyl-phenylether
Concen: 0.852 ng
RT: 16.549 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 9942

Ion	Ratio	Lower	Upper
248	100		
250	100.9	79.9	119.9
141	45.4	41.6	62.4

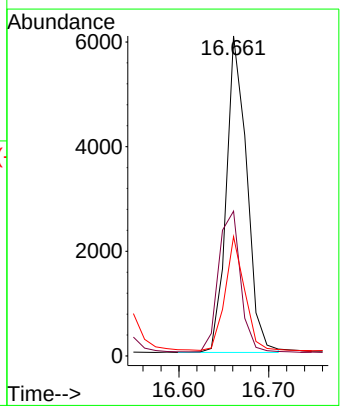


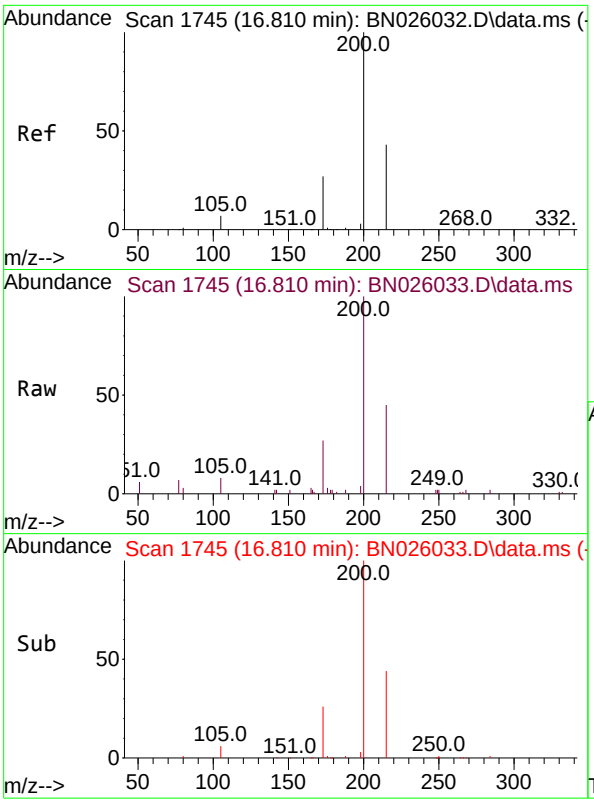


#22
Hexachlorobenzene
Concen: 0.818 ng
RT: 16.661 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:284 Resp: 9563

Ion	Ratio	Lower	Upper
284	100		
142	47.8	38.7	58.1
249	34.0	28.5	42.7



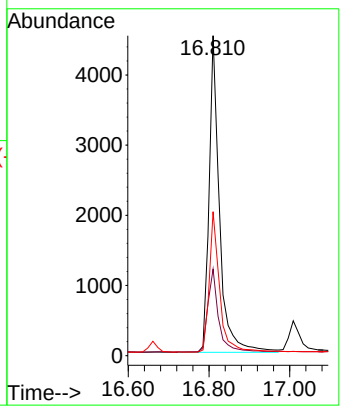


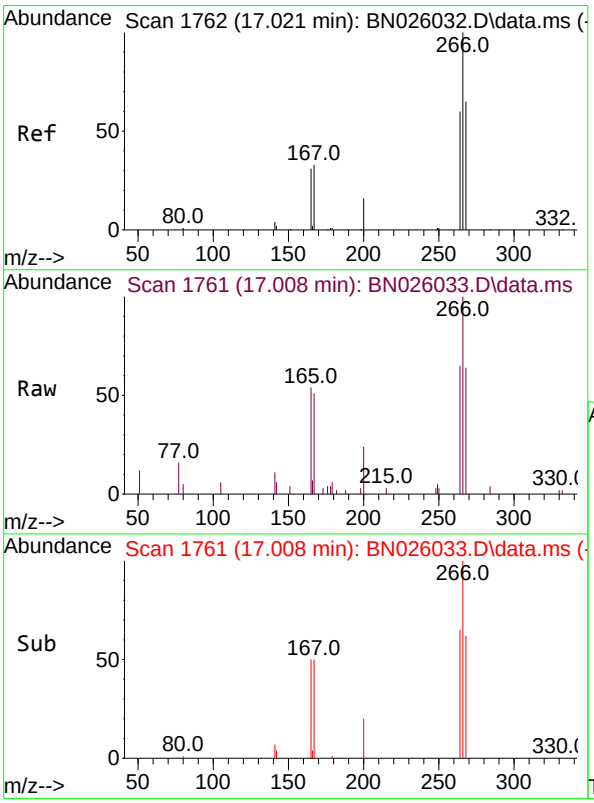
#23
Atrazine
Concen: 0.806 ng
RT: 16.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 8079

Ion	Ratio	Lower	Upper
200	100		
173	27.0	22.9	34.3
215	45.0	35.5	53.3

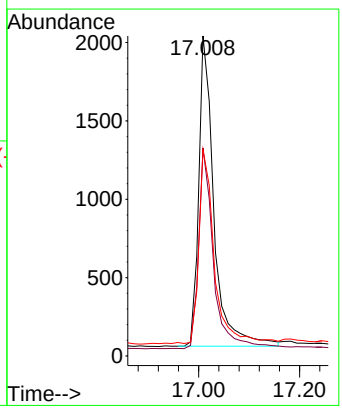


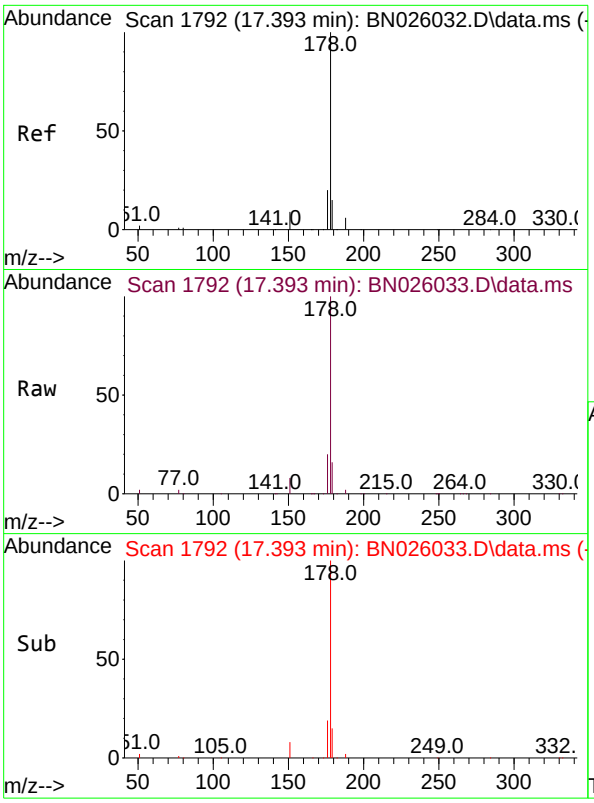


#24
Pentachlorophenol
Concen: 0.753 ng
RT: 17.008 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:266 Resp: 4148

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.3	73.9
268	63.4	48.3	72.5



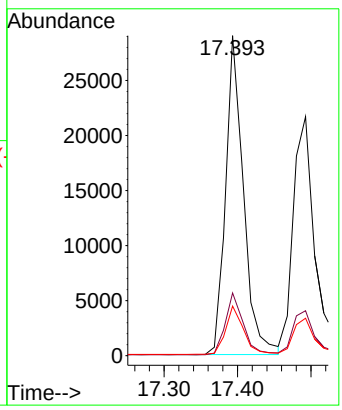


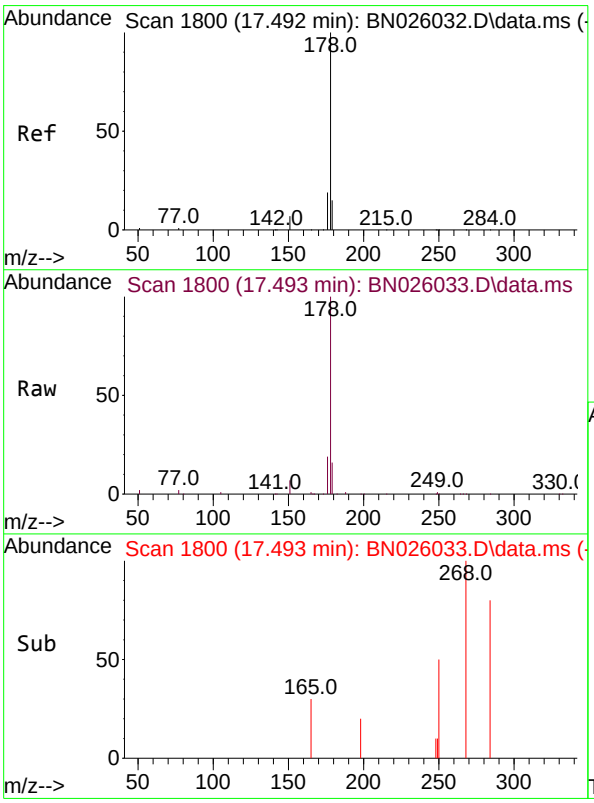
#25
Phenanthrene
Concen: 0.820 ng
RT: 17.393 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 49104

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.4	12.3	18.5

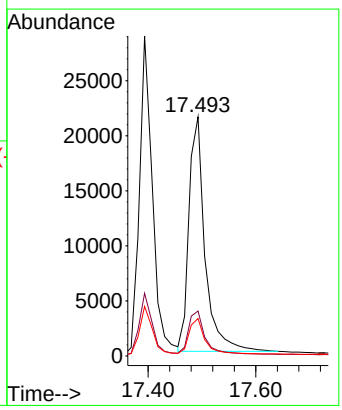


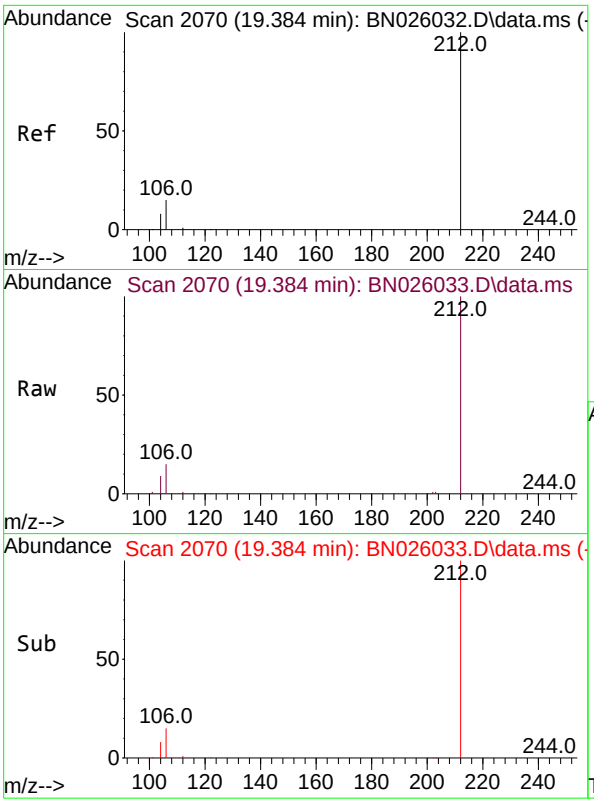


#26
Anthracene
Concen: 0.820 ng
RT: 17.493 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:178 Resp: 44237

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	14.8	12.4	18.6



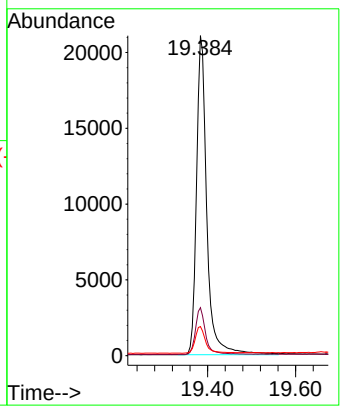


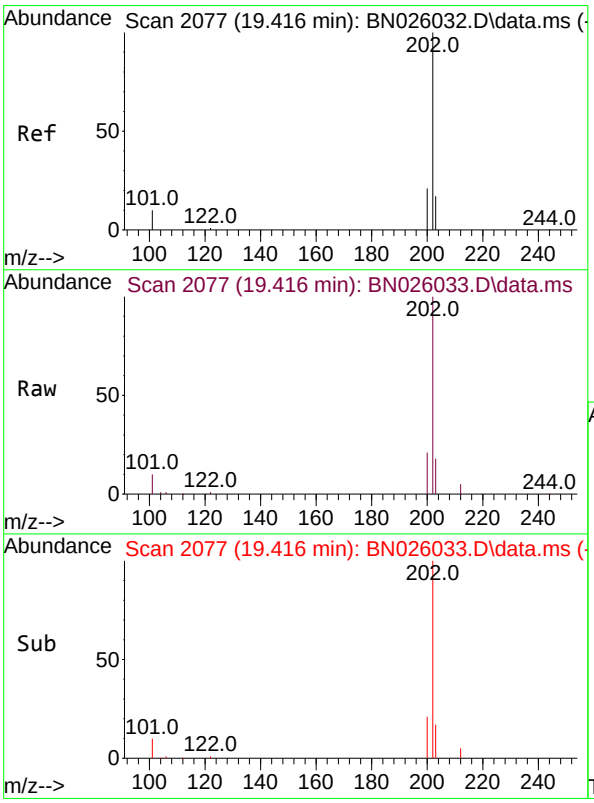
#27
Fluoranthene-d10
Concen: 0.786 ng
RT: 19.384 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 34062

Ion	Ratio	Lower	Upper
212	100		
106	14.3	11.6	17.4
104	8.7	7.2	10.8

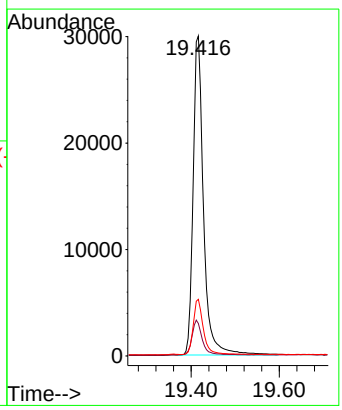


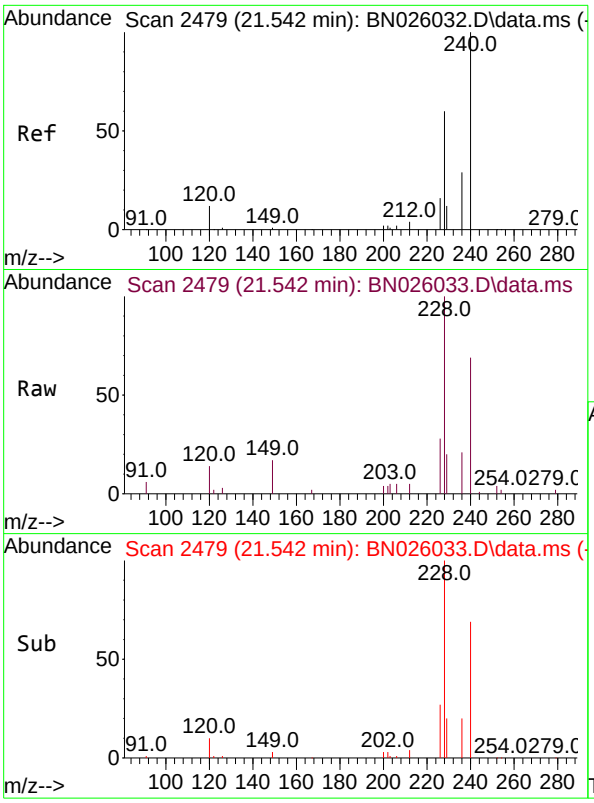


#28
Fluoranthene
Concen: 0.782 ng
RT: 19.416 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:202 Resp: 49196

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.3	12.5
203	16.8	13.5	20.3



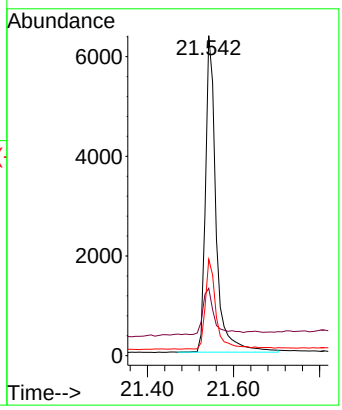


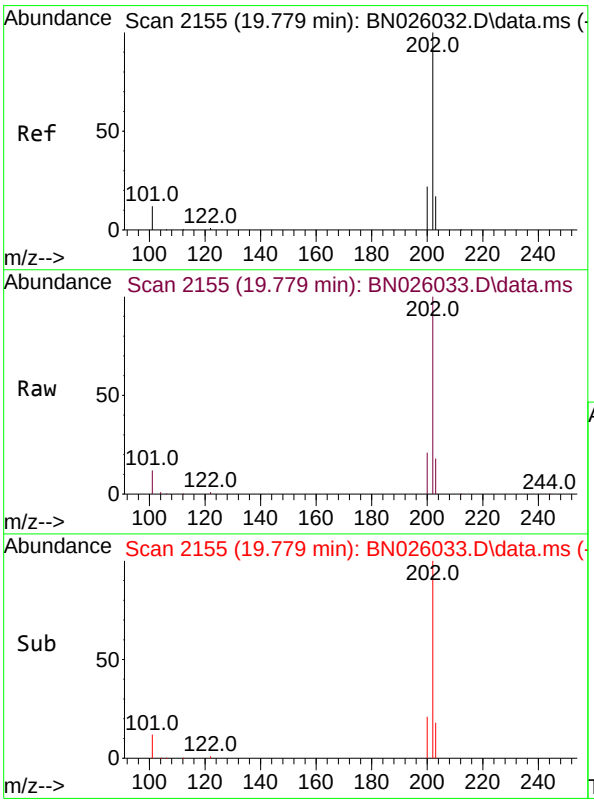
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.542 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 10860

Ion	Ratio	Lower	Upper
240	100		
120	21.1	14.6	22.0
236	30.1	24.2	36.2

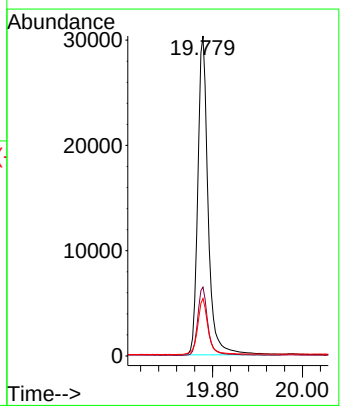


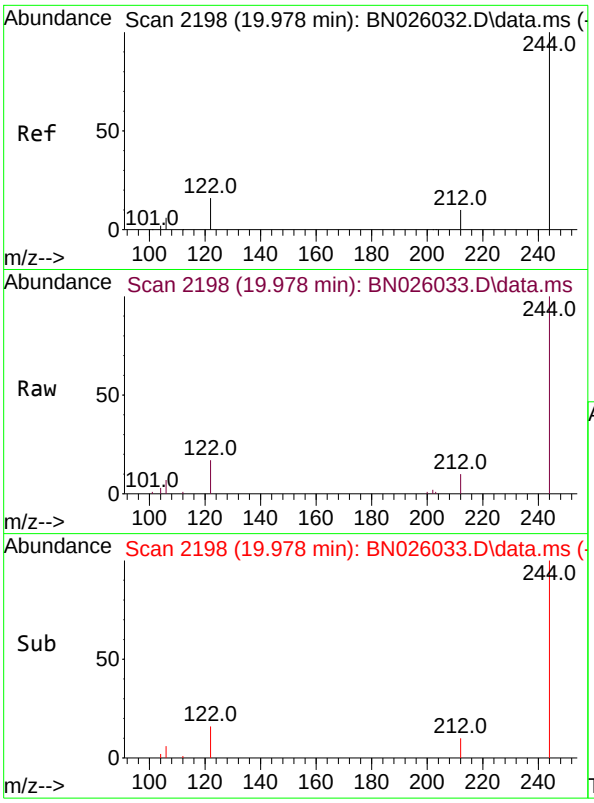


#30
Pyrene
Concen: 0.803 ng
RT: 19.779 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:202 Resp: 48331

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.2	21.4



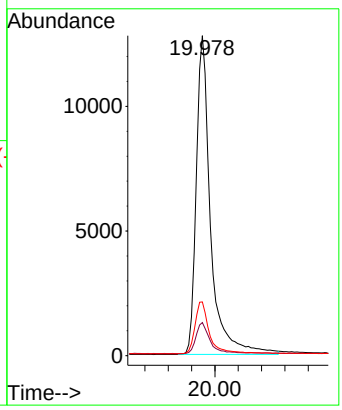


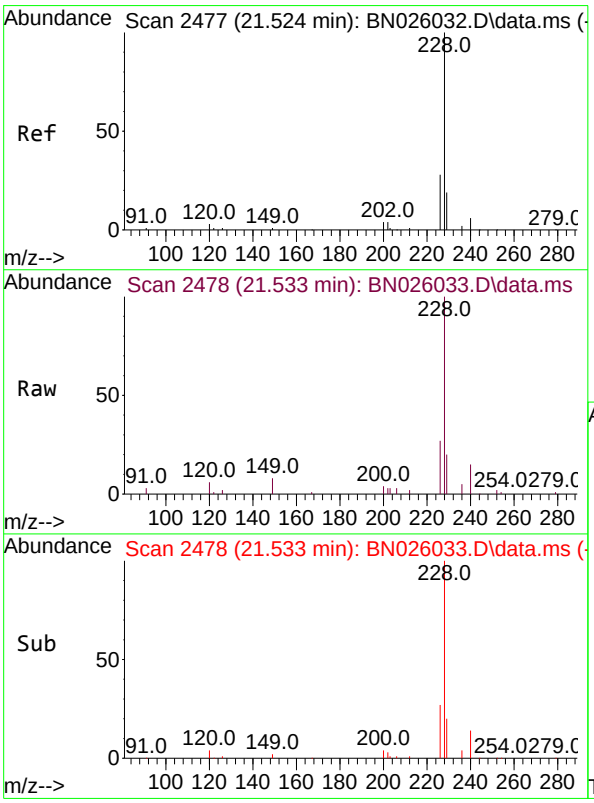
#31
Terphenyl-d14
Concen: 0.786 ng
RT: 19.978 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 21843

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.7	13.1
122	16.8	13.7	20.5

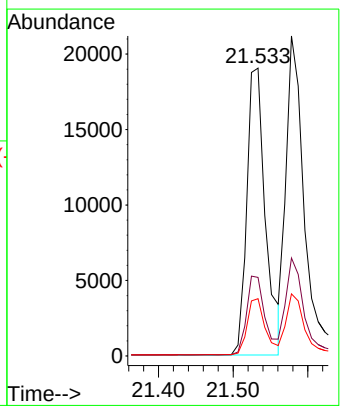


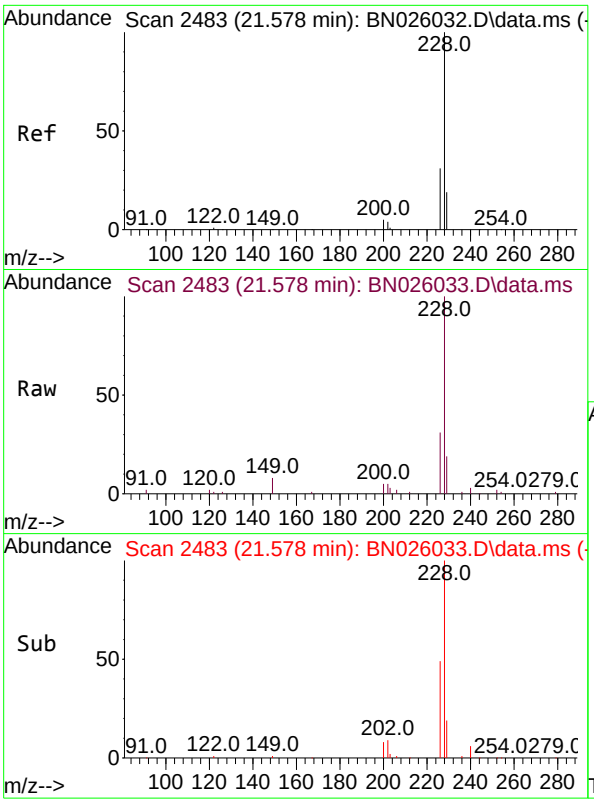


#32
Benzo(a)anthracene
Concen: 0.846 ng
RT: 21.533 min Scan# 2478
Delta R.T. 0.009 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:228 Resp: 33056

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.6
229	19.9	15.9	23.9



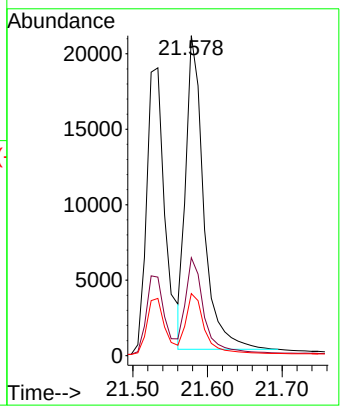


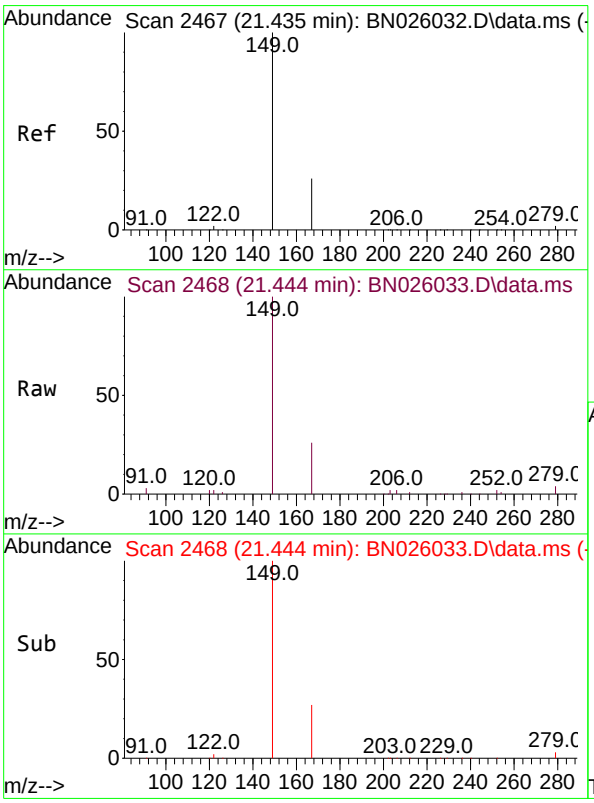
#33
Chrysene
Concen: 0.793 ng
RT: 21.578 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 34554

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.8	37.2
229	19.4	15.6	23.4

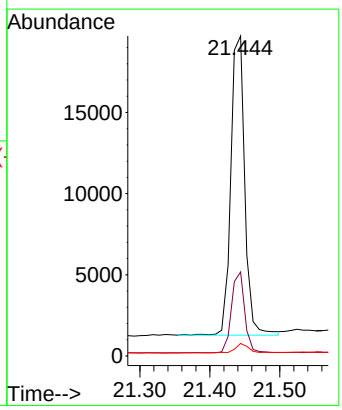


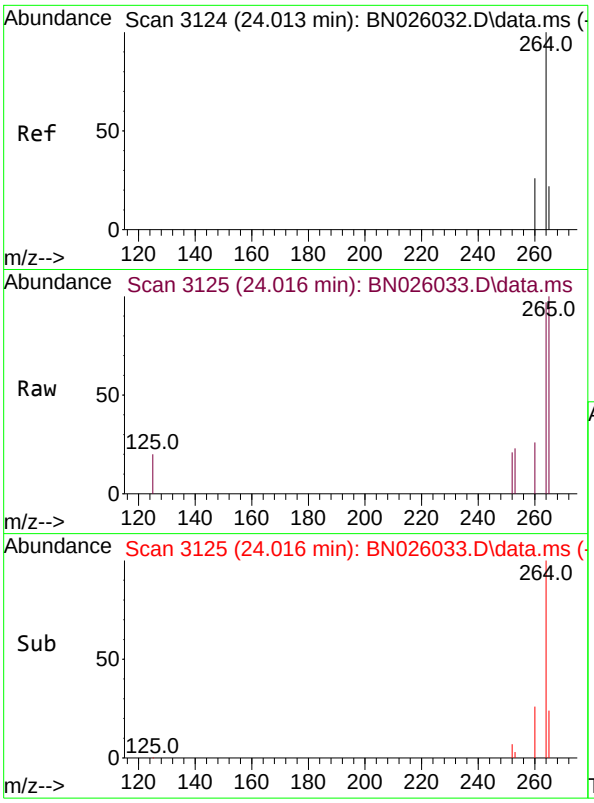


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.733 ng
RT: 21.444 min Scan# 2468
Delta R.T. 0.009 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:149 Resp: 25569

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.2	30.4
279	3.1	2.4	3.6



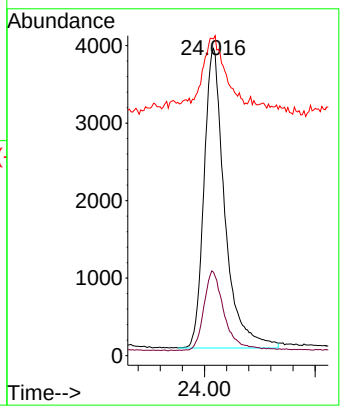


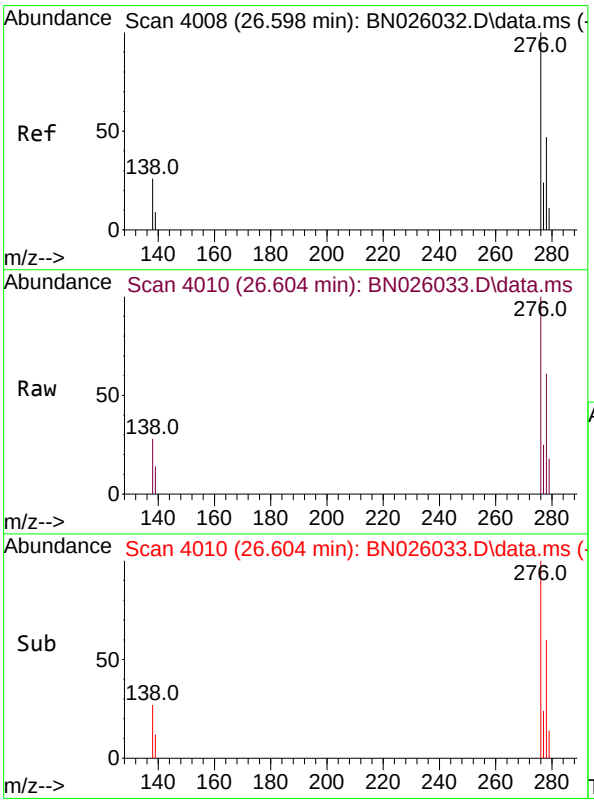
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.016 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 10072

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.9	32.9
265	103.1	80.3	120.5

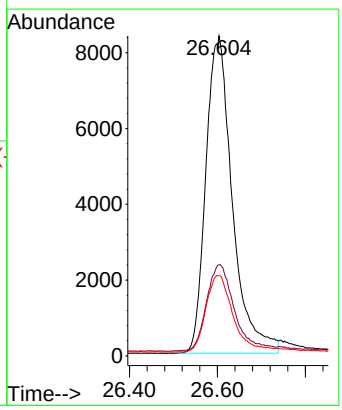


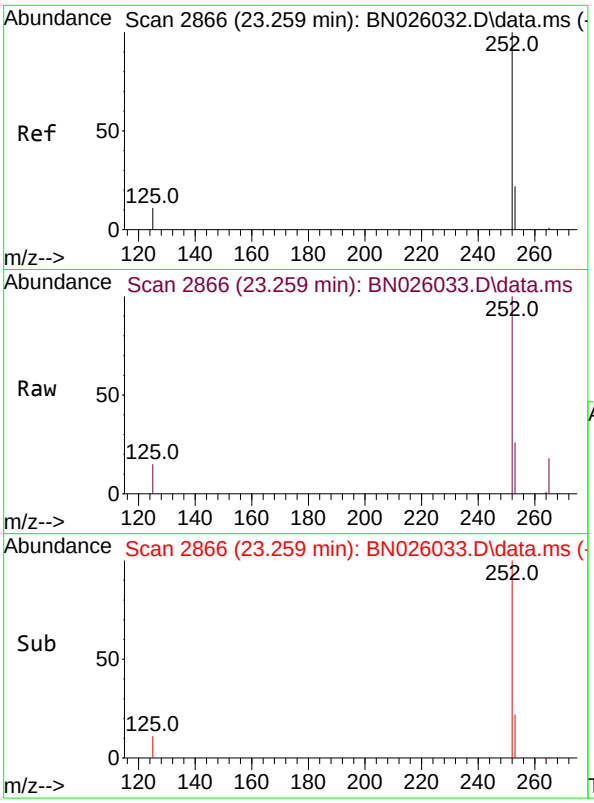


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.850 ng
RT: 26.604 min Scan# 4010
Delta R.T. 0.006 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:276 Resp: 35149

Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.4	32.2
277	24.3	19.6	29.4



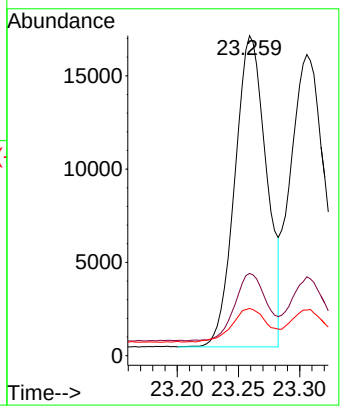


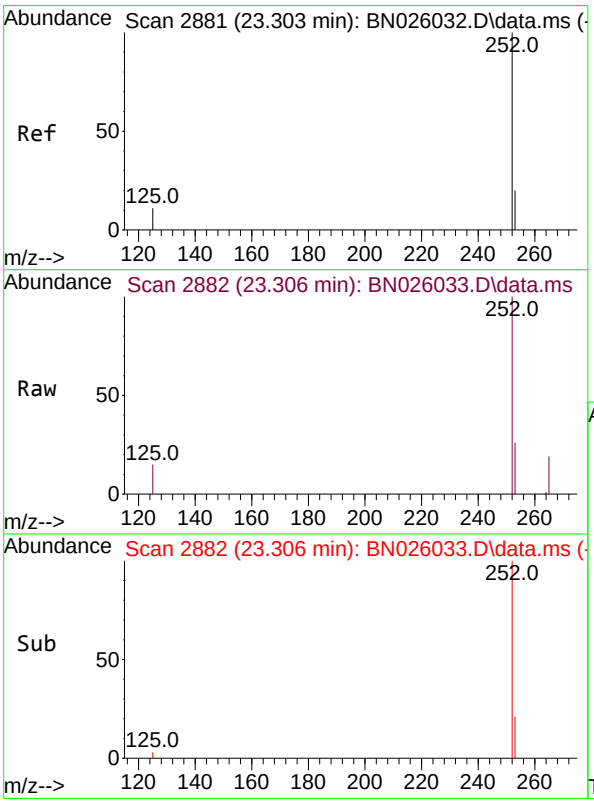
#37
Benzo(b)fluoranthene
Concen: 0.821 ng
RT: 23.259 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 29978

Ion	Ratio	Lower	Upper
252	100		
253	25.7	24.1	36.1
125	14.8	15.4	23.0#

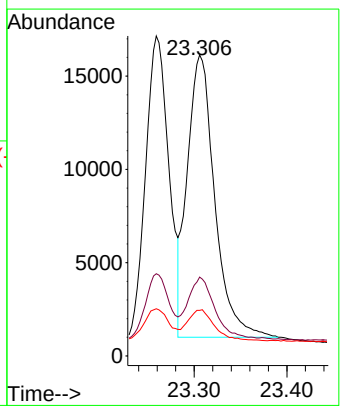


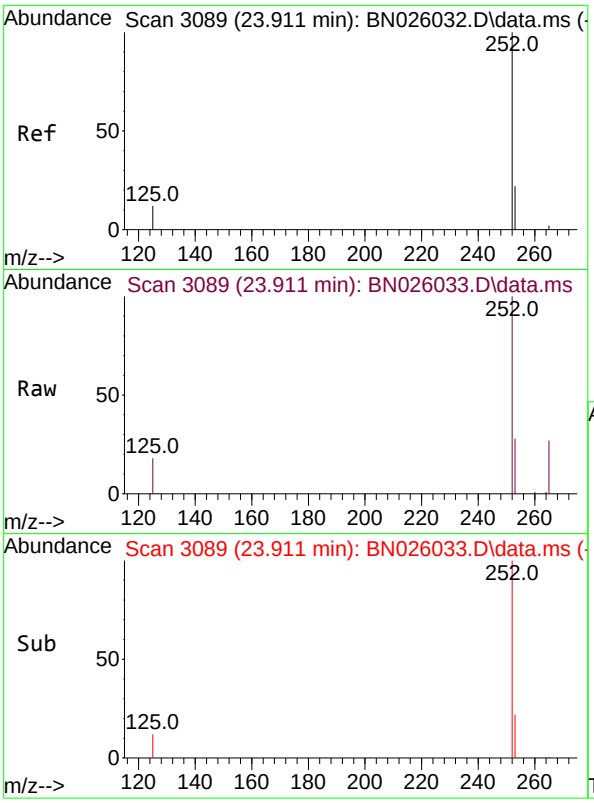


#38
Benzo(k)fluoranthene
Concen: 0.799 ng
RT: 23.306 min Scan# 2882
Delta R.T. 0.003 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:252 Resp: 31104

Ion	Ratio	Lower	Upper
252	100		
253	26.2	23.6	35.4
125	15.2	15.8	23.8#



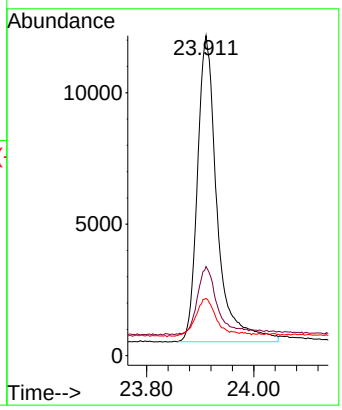


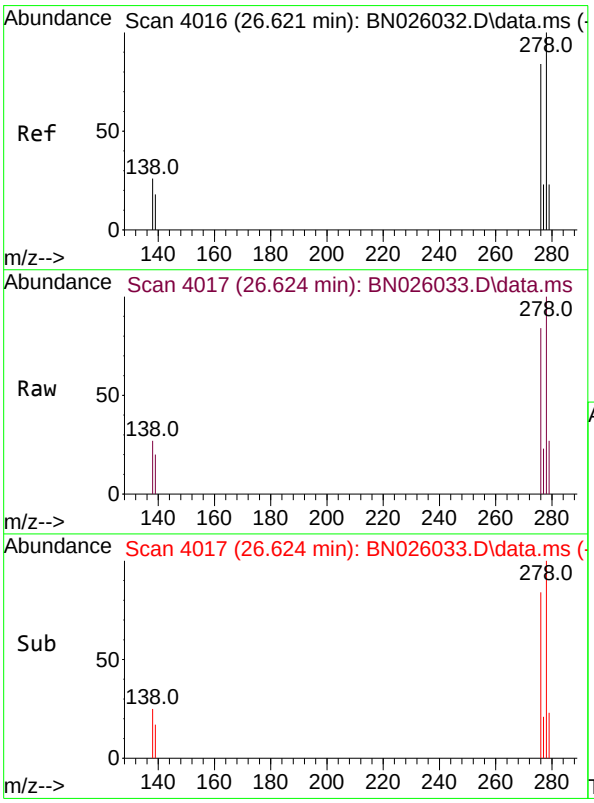
#39
Benzo(a)pyrene
Concen: 0.828 ng
RT: 23.911 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 29693

Ion	Ratio	Lower	Upper
252	100		
253	27.9	26.2	39.4
125	17.9	18.7	28.1#

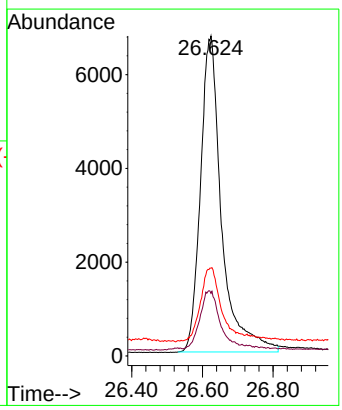


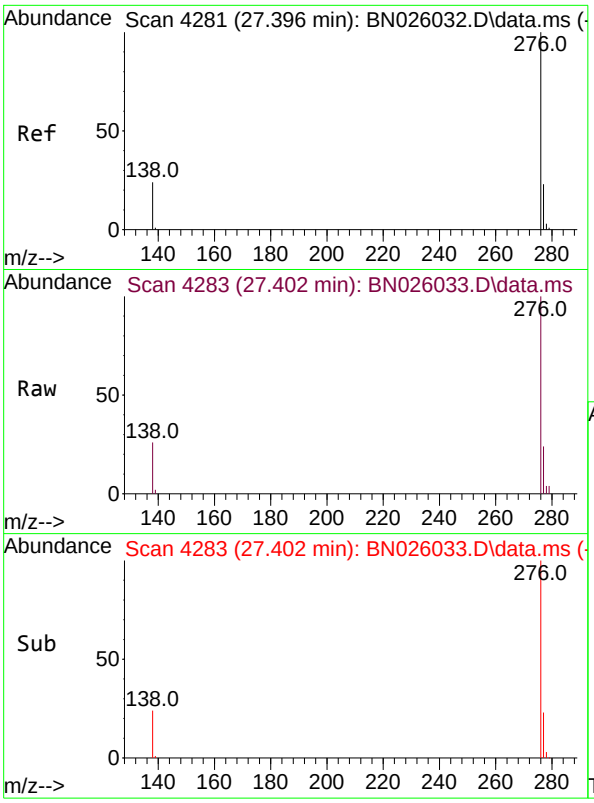


#40
Dibenzo(a,h)anthracene
Concen: 0.862 ng
RT: 26.624 min Scan# 4017
Delta R.T. 0.003 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Tgt Ion:278 Resp: 27896

Ion	Ratio	Lower	Upper
278	100		
139	19.5	18.1	27.1
279	27.4	25.4	38.0





#41
Benzo(g,h,i)perylene
Concen: 0.860 ng
RT: 27.402 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN026033.D
Acq: 27 Jun 2023 12:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 32460

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.3	30.5
138	25.7	21.5	32.3