Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
Data File : BN027730.D
Acq On : 18 Sep 2023 12:20
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Sep 18 14:05:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 18 14:03:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.015	152	1615	0.400	ng		0.00
7) Naphthalene-d8	10.831	136	5330	0.400	ng		0.00
13) Acenaphthene-d10	14.640	164	3639	0.400	ng		-0.01
19) Phenanthrene-d10	17.393	188	10052	0.400	ng		0.00
29) Chrysene-d12	21.578	240	11305	0.400	ng		0.00
35) Perylene-d12	24.080	264	11911	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.545	112	3552	0.836	ng		0.00
5) Phenol-d6	7.163	99	4299	0.837	ng		0.00
8) Nitrobenzene-d5	9.208	82	3498	0.889	ng		0.00
11) 2-Methylnaphthalene-d10	12.411	152	6373	0.811	ng		0.00
14) 2,4,6-Tribromophenol	16.139	330	1322	0.940	ng		-0.01
15) 2-Fluorobiphenyl	13.272	172	10027	0.736	ng		0.00
27) Fluoranthene-d10	19.421	212	22431	0.876	ng		0.00
31) Terphenyl-d14	20.011	244	17199	0.758	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.429	88	1546	0.784	ng		97
3) n-Nitrosodimethylamine	3.776	42	1976	0.916	ng		96
6) bis(2-Chloroethyl)ether	7.445	93	4222	0.840	ng		99
9) Naphthalene	10.885	128	11964	0.814	ng		98
10) Hexachlorobutadiene	11.109	225	2067	0.771	ng	#	100
12) 2-Methylnaphthalene	12.487	142	8503	0.823	ng		98
16) Acenaphthylene	14.373	152	12331	0.748	ng		99
17) Acenaphthene	14.705	154	8701	0.784	ng		100
18) Fluorene	15.693	166	12975	0.863	ng		100
20) 4,6-Dinitro-2-methylph...	16.847	198	111	0.754	ng	#	70
21) 4-Bromophenyl-phenylether	16.586	248	4130	0.778	ng	#	92
22) Hexachlorobenzene	16.661	284	4624	0.740	ng		99
23) Atrazine	16.847	200	3261	0.810	ng		95
24) Pentachlorophenol	17.033	266	2106	0.850	ng		98
25) Phenanthrene	17.443	178	23428	0.789	ng		100
26) Anthracene	17.530	178	20187	0.796	ng		100
28) Fluoranthene	19.453	202	30667	0.864	ng		100
30) Pyrene	19.816	202	31767	0.716	ng		100
32) Benzo(a)anthracene	21.560	228	32952	0.837	ng		99
33) Chrysene	21.623	228	35040	0.817	ng		99
34) Bis(2-ethylhexyl)phtha...	21.435	149	13580	0.730	ng		99
36) Indeno(1,2,3-cd)pyrene	26.712	276	44099	0.886	ng		100
37) Benzo(b)fluoranthene	23.303	252	36673	0.793	ng		95
38) Benzo(k)fluoranthene	23.355	252	37734	0.794	ng		94
39) Benzo(a)pyrene	23.969	252	34612	0.803	ng	#	92
40) Dibenzo(a,h)anthracene	26.729	278	36216	0.922	ng		97
41) Benzo(g,h,i)perylene	27.533	276	39283	0.872	ng		99

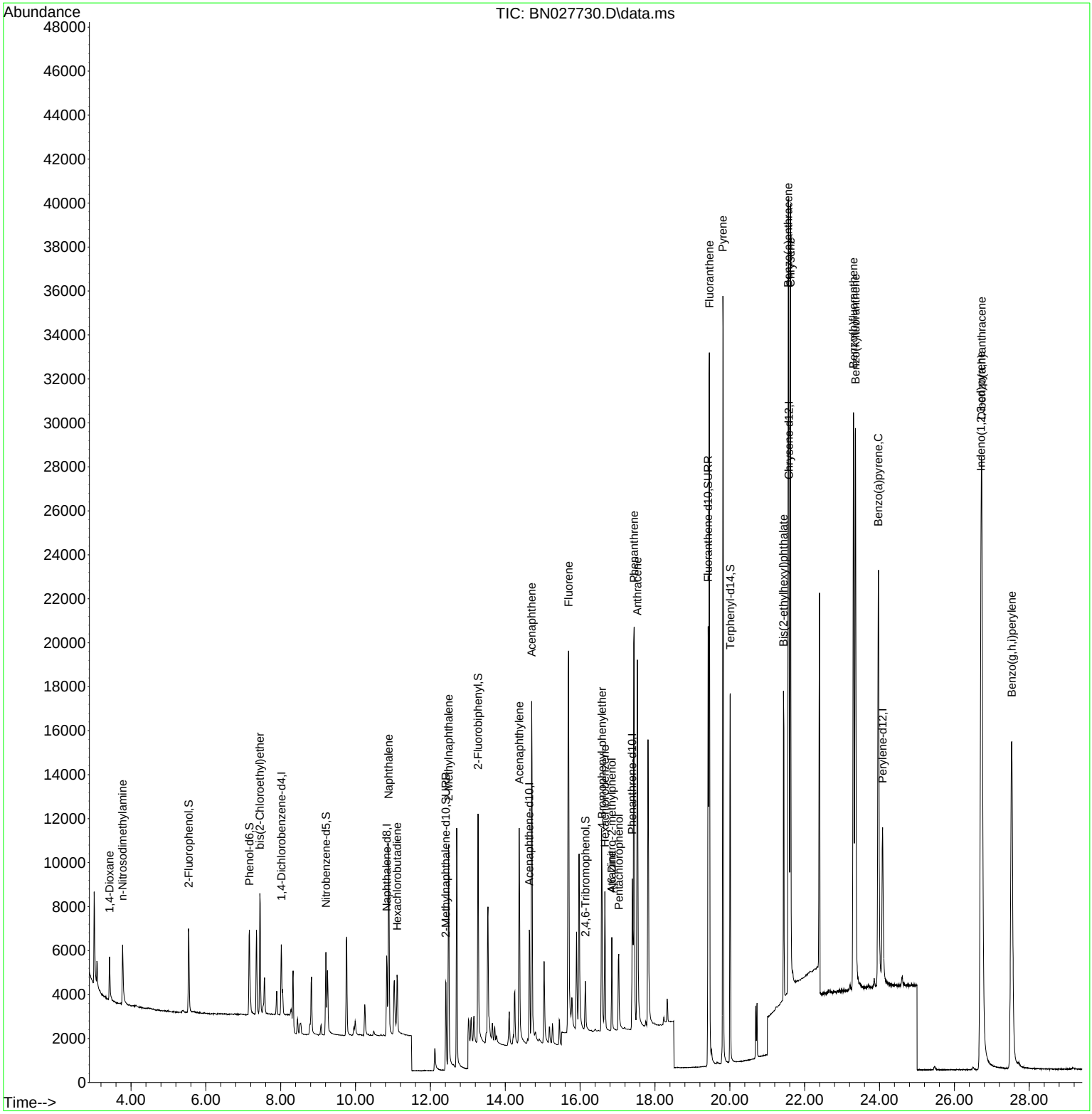
(#) = qualifier out of range (m) = manual integration (+) = signals summed

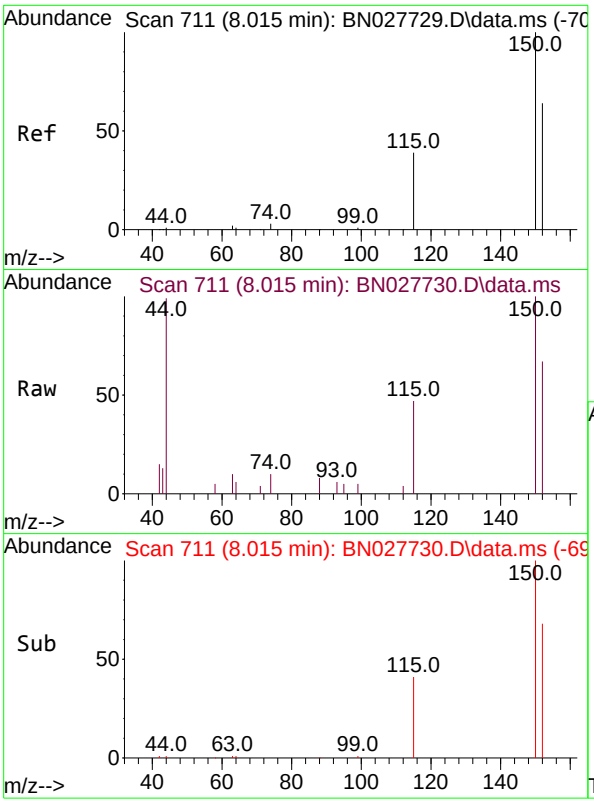
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
Data File : BN027730.D
Acq On : 18 Sep 2023 12:20
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Sep 18 14:05:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 18 14:03:35 2023
Response via : Initial Calibration



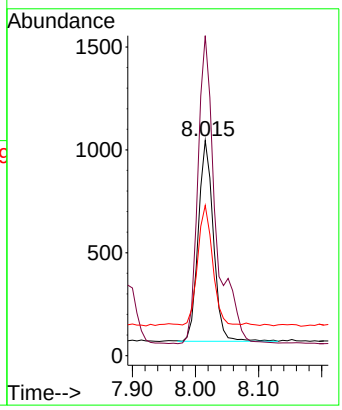


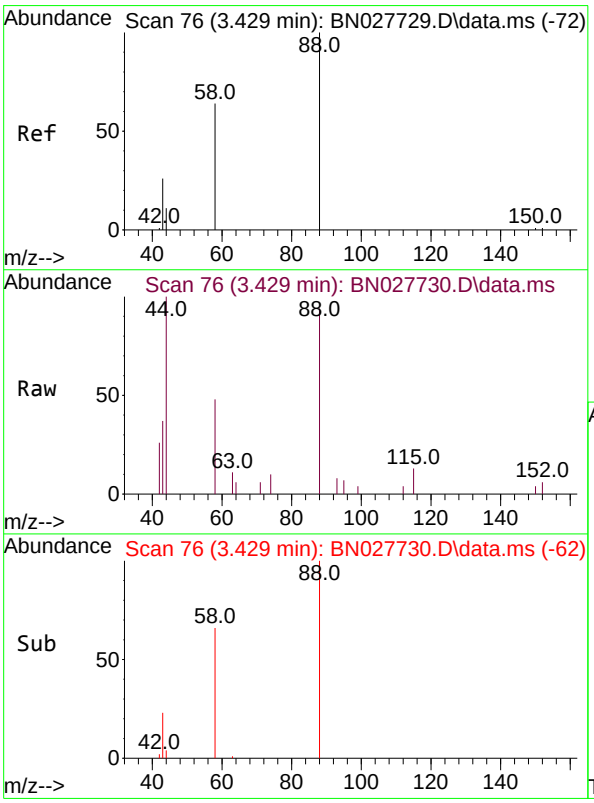
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.015 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 1615

Ion	Ratio	Lower	Upper
152	100		
150	148.7	120.4	180.6
115	69.8	57.4	86.0

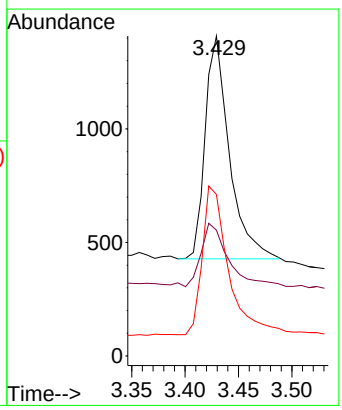


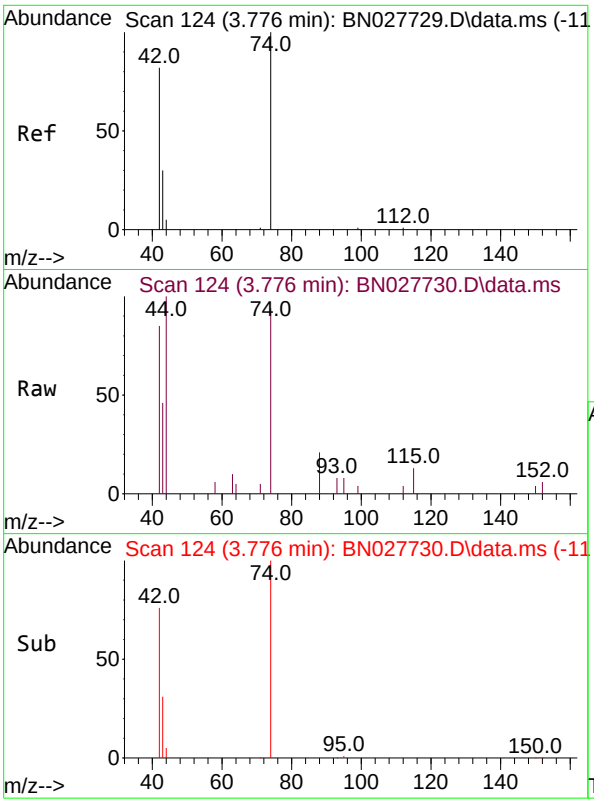


#2
1,4-Dioxane
Concen: 0.784 ng
RT: 3.429 min Scan# 76
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion: 88 Resp: 1546

Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.1	36.1
58	71.8	55.4	83.2



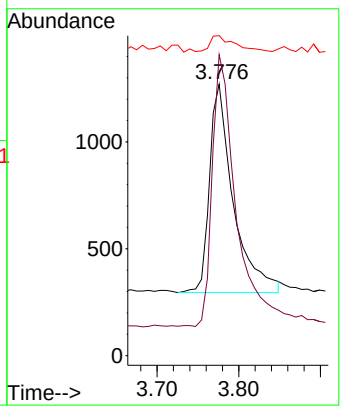


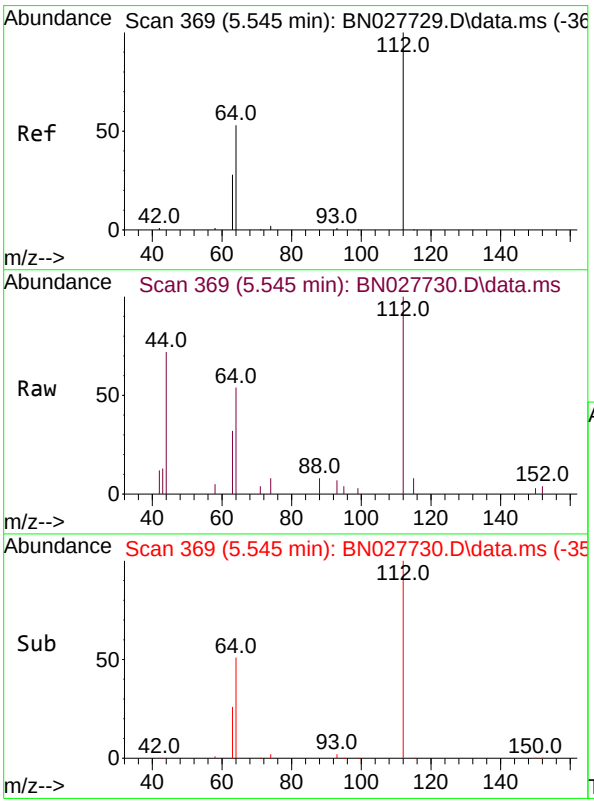
#3
n-Nitrosodimethylamine
Concen: 0.916 ng
RT: 3.776 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1976

Ion	Ratio	Lower	Upper
42	100		
74	129.8	107.9	161.9
44	7.6	7.5	11.3

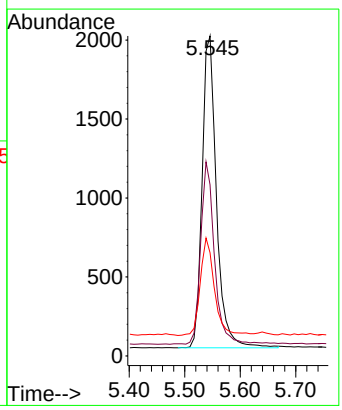


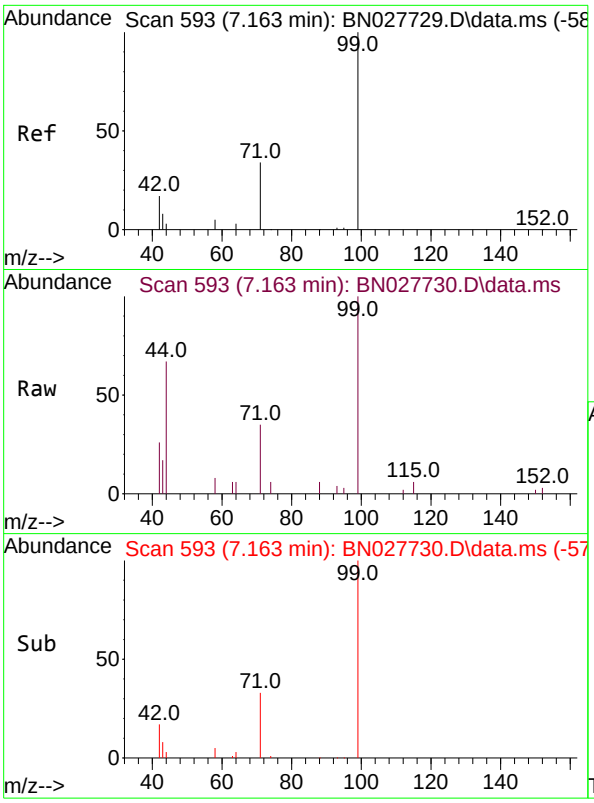


#4
2-Fluorophenol
Concen: 0.836 ng
RT: 5.545 min Scan# 369
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:112 Resp: 3552

Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.4	69.6
63	31.0	24.4	36.6



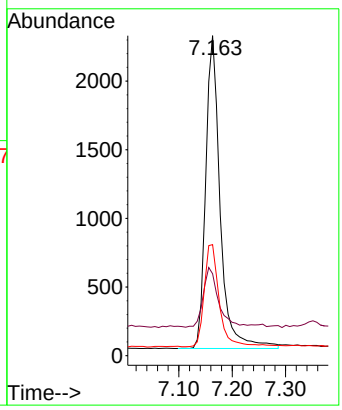


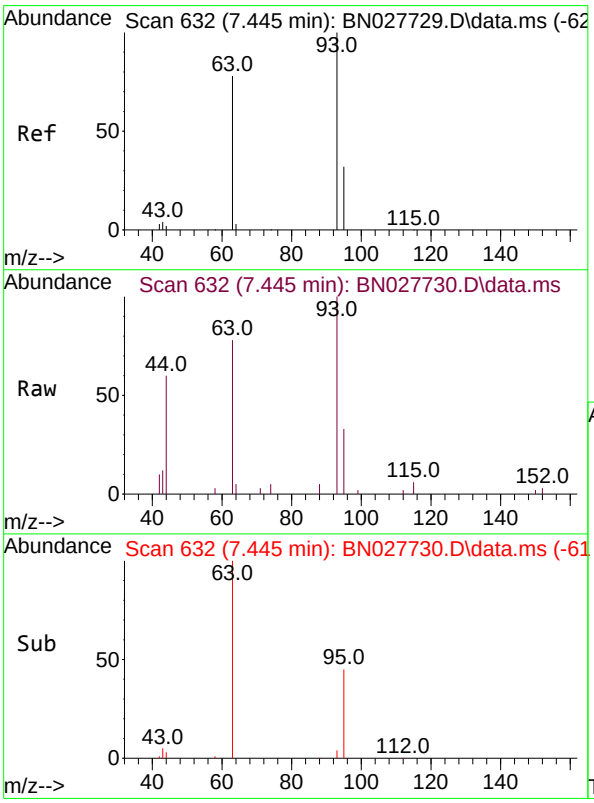
#5
Phenol-d6
Concen: 0.837 ng
RT: 7.163 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 4299

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.1	24.1
71	34.1	27.0	40.4

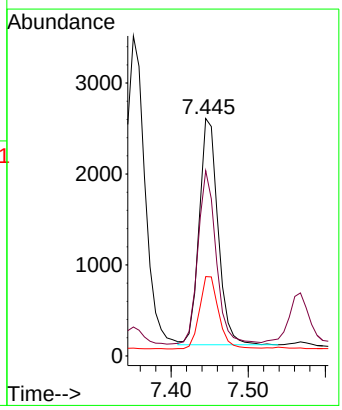


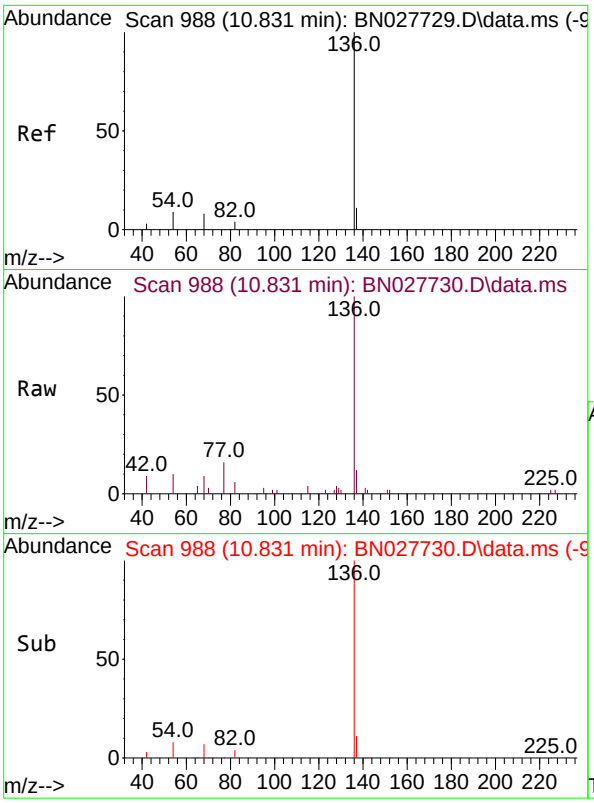


#6
bis(2-Chloroethyl)ether
Concen: 0.840 ng
RT: 7.445 min Scan# 632
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion: 93 Resp: 4222

Ion	Ratio	Lower	Upper
93	100		
63	74.6	58.8	88.2
95	32.6	25.8	38.8



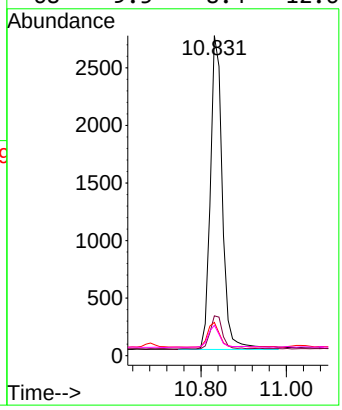


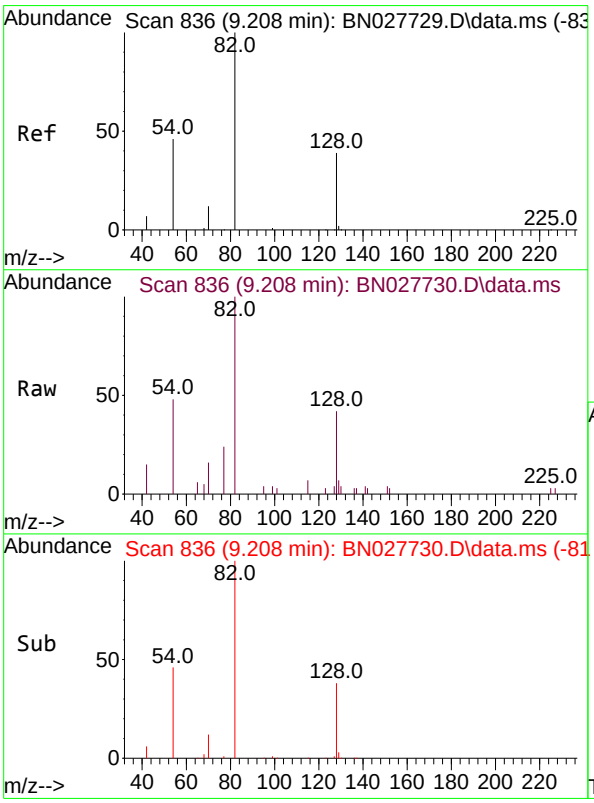
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 5330

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.4	15.6
54	10.4	9.4	14.0
68	9.5	8.4	12.6

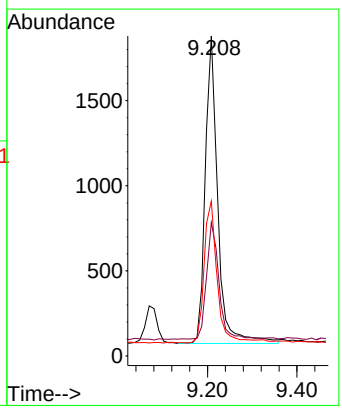


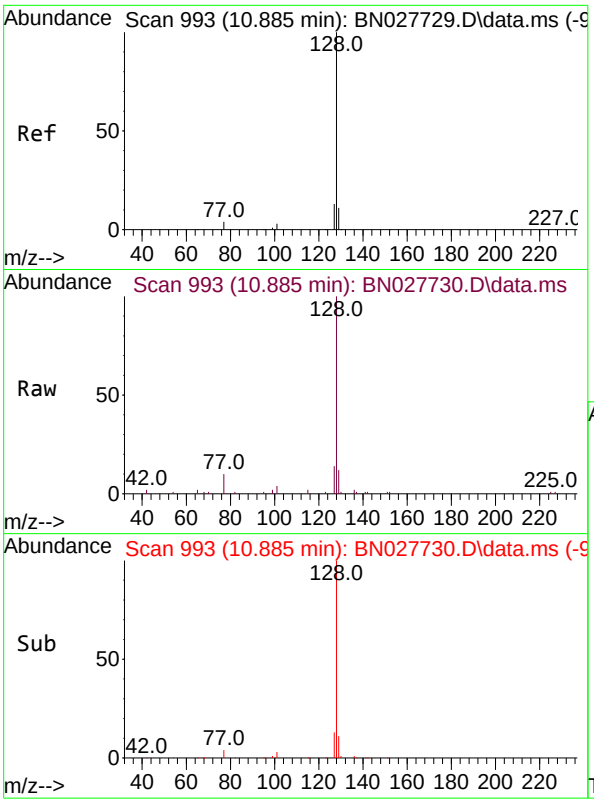


#8
Nitrobenzene-d5
Concen: 0.889 ng
RT: 9.208 min Scan# 836
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion: 82 Resp: 3498

Ion	Ratio	Lower	Upper
82	100		
128	41.7	37.9	56.9
54	48.4	40.6	61.0



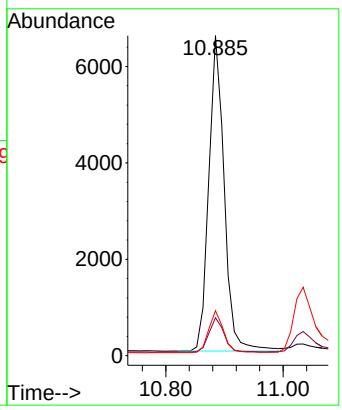


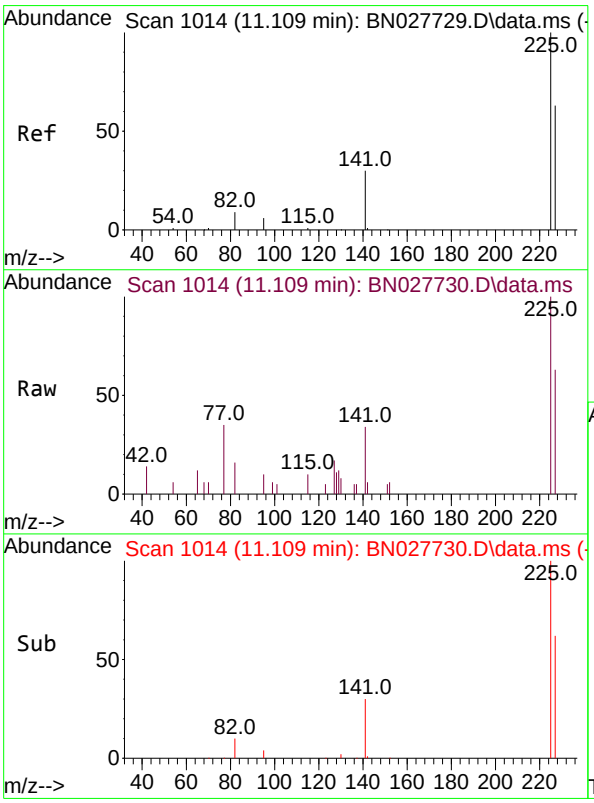
#9
Naphthalene
Concen: 0.814 ng
RT: 10.885 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 11964

Ion	Ratio	Lower	Upper
128	100		
129	11.9	10.5	15.7
127	14.1	11.8	17.6

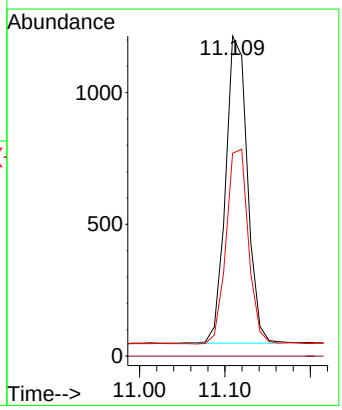


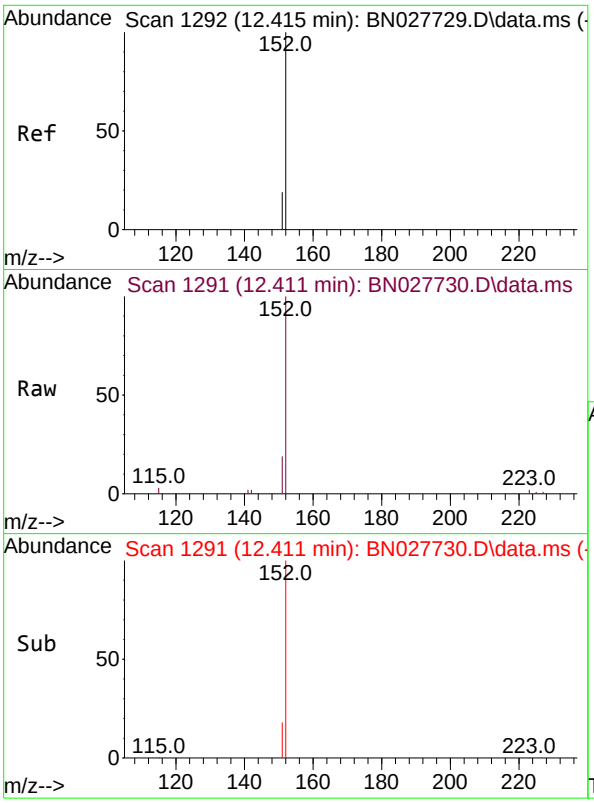


#10
Hexachlorobutadiene
Concen: 0.771 ng
RT: 11.109 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:225 Resp: 2067

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.6	77.4



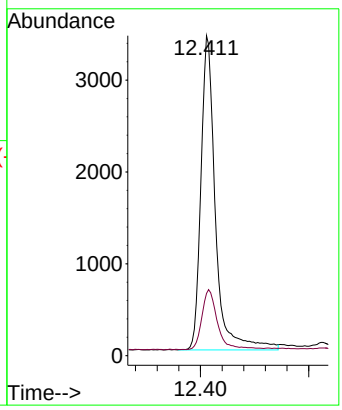


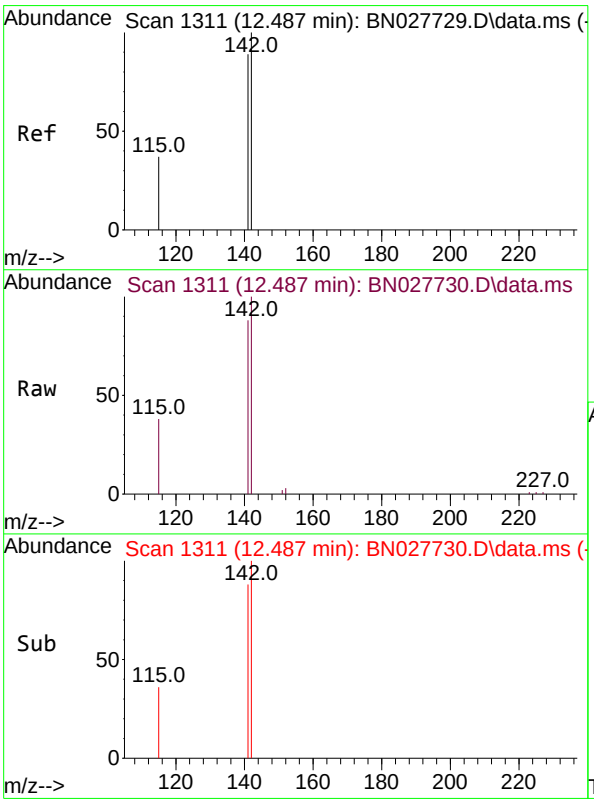
#11
2-Methylnaphthalene-d10
Concen: 0.811 ng
RT: 12.411 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 6373

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.9	23.9

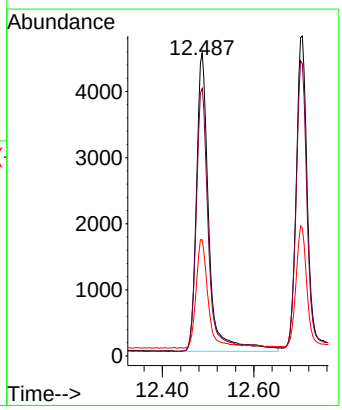


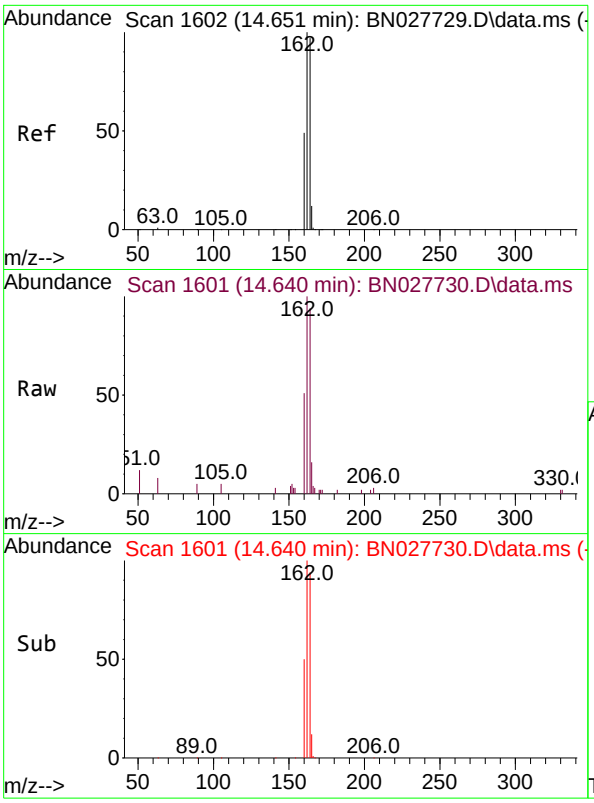


#12
2-Methylnaphthalene
Concen: 0.823 ng
RT: 12.487 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:142 Resp: 8503

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.2	106.8
115	38.3	33.4	50.0



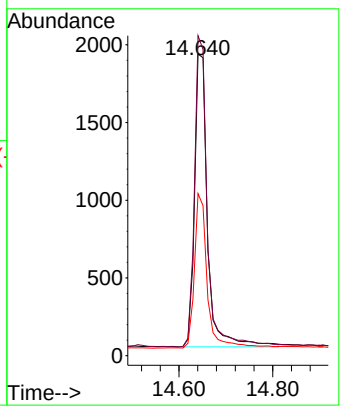


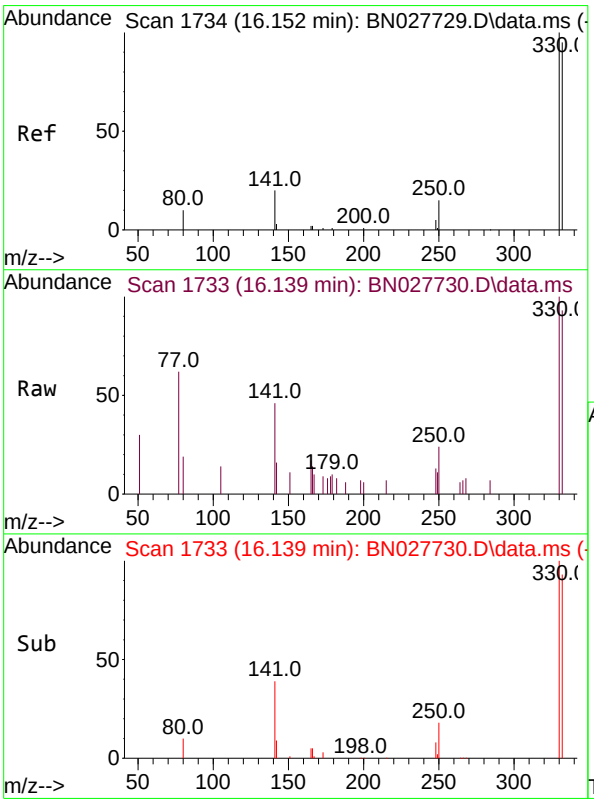
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.640 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 3639

Ion	Ratio	Lower	Upper
164	100		
162	106.1	82.4	123.6
160	53.7	41.0	61.4

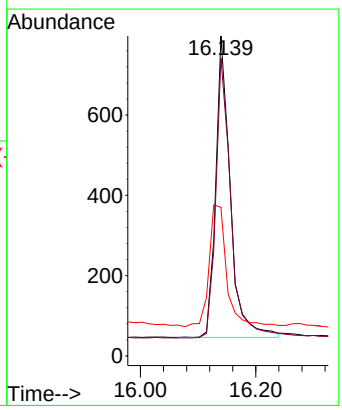


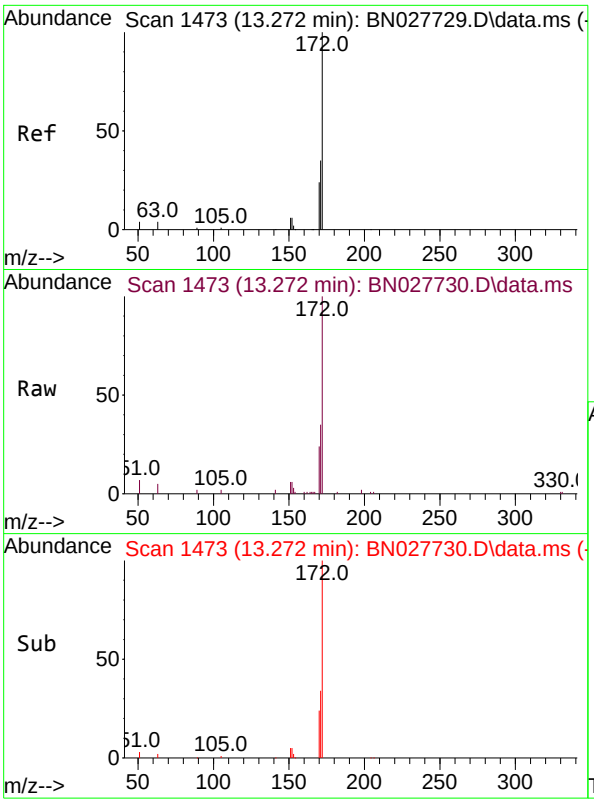


#14
2,4,6-Tribromophenol
Concen: 0.940 ng
RT: 16.139 min Scan# 1733
Delta R.T. -0.012 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:330 Resp: 1322

Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.8	113.8
141	48.2	38.0	57.0



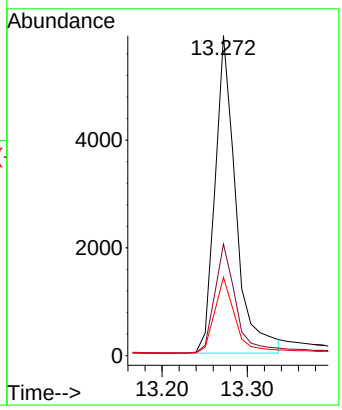


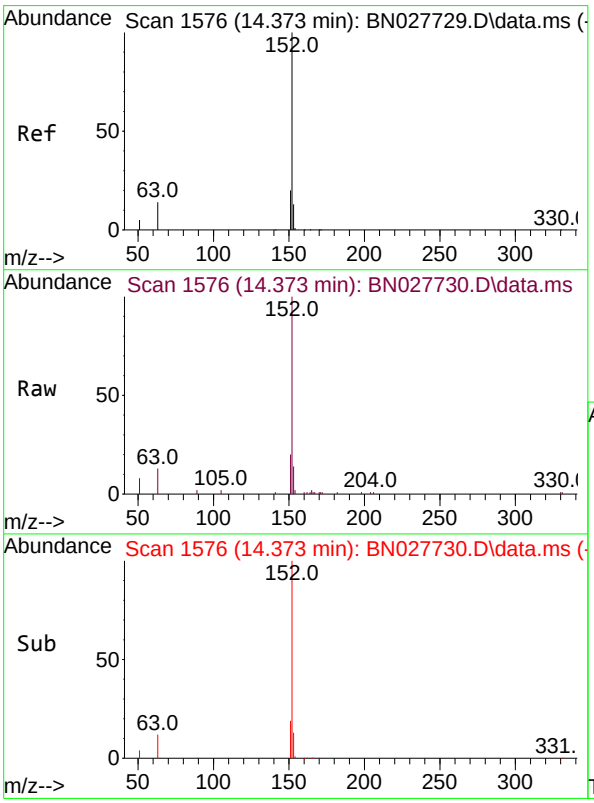
#15
2-Fluorobiphenyl
Concen: 0.736 ng
RT: 13.272 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 10027

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.2	43.8
170	24.5	20.6	31.0

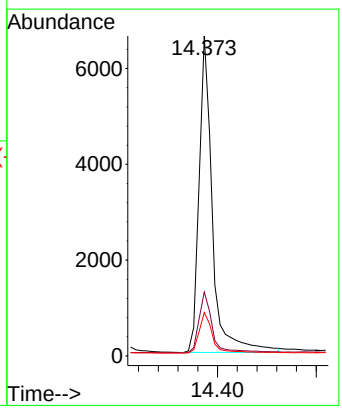


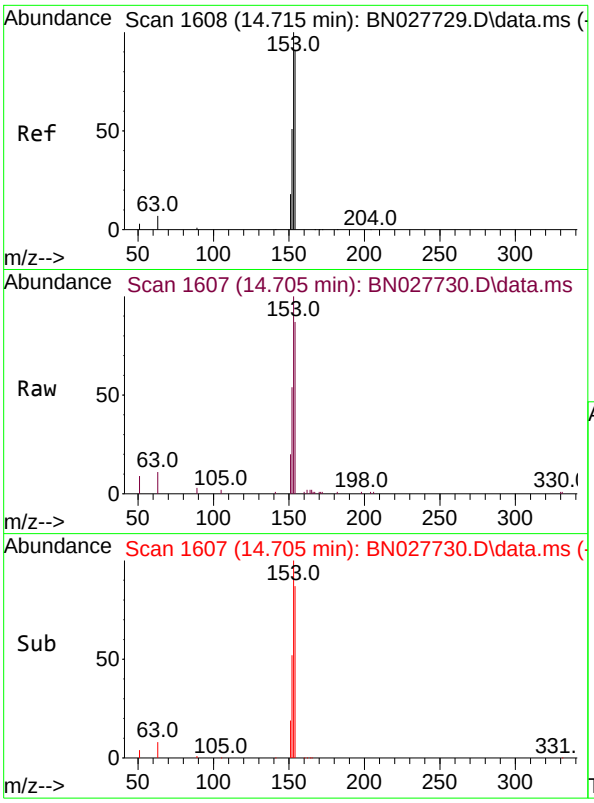


#16
Acenaphthylene
Concen: 0.748 ng
RT: 14.373 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:152 Resp: 12331

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.2	10.1	15.1



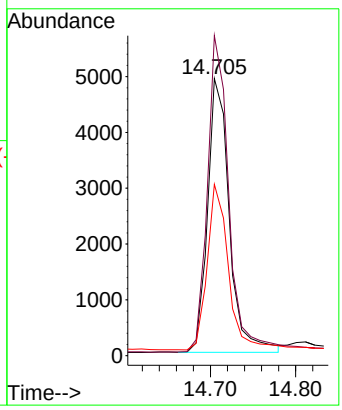


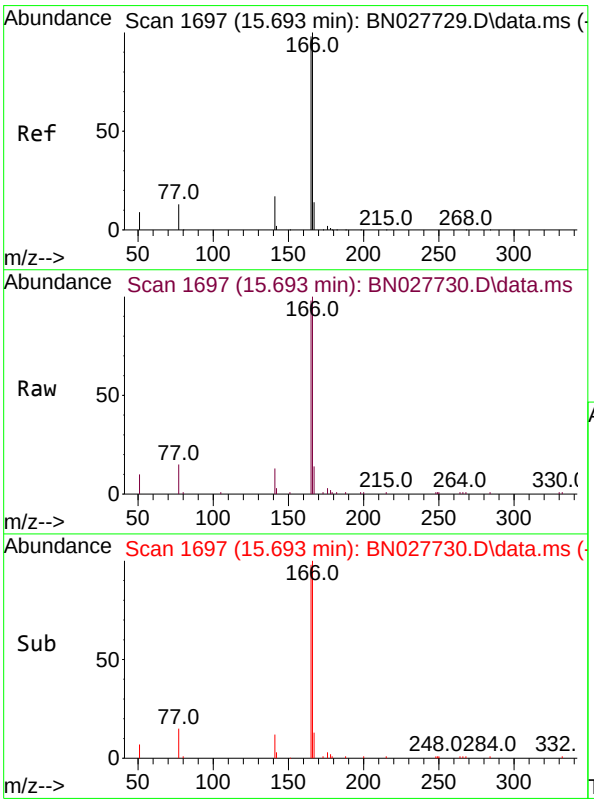
#17
Acenaphthene
Concen: 0.784 ng
RT: 14.705 min Scan# 1(
Delta R.T. -0.011 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 8701

Ion	Ratio	Lower	Upper
154	100		
153	118.0	94.0	141.0
152	60.5	48.4	72.6

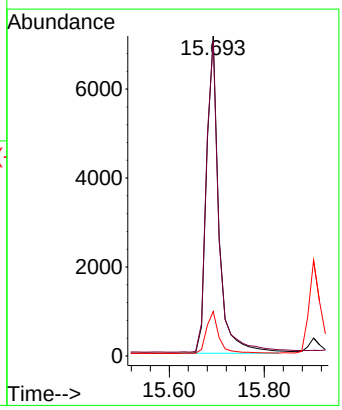


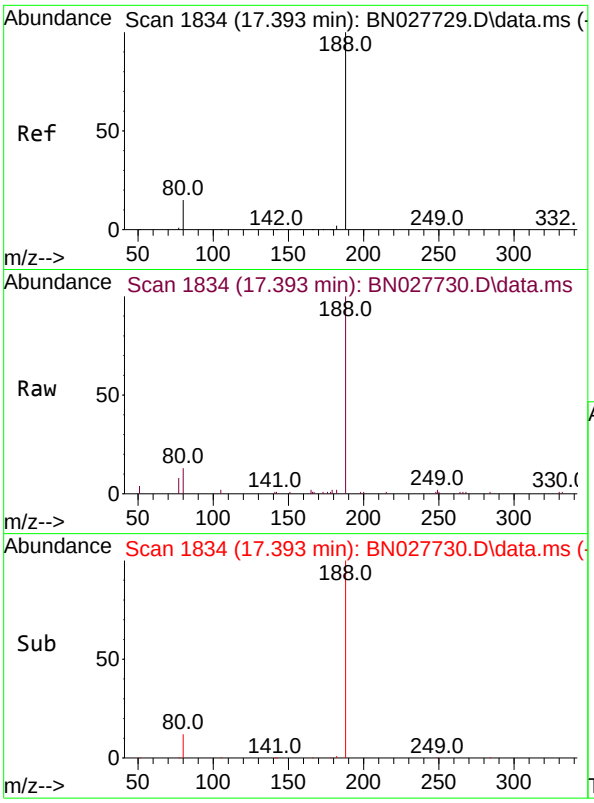


#18
Fluorene
Concen: 0.863 ng
RT: 15.693 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:166 Resp: 12975

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.0	118.6
167	13.4	10.9	16.3



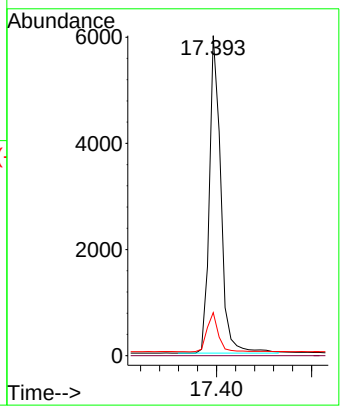


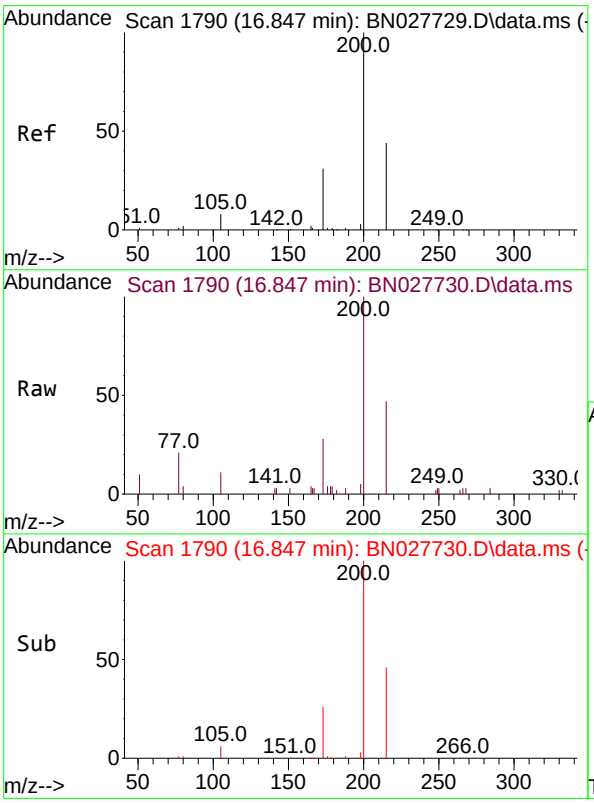
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 10052

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.5	13.0	19.6

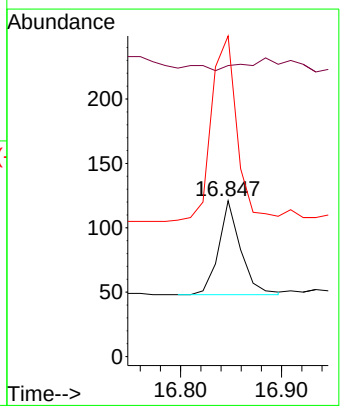


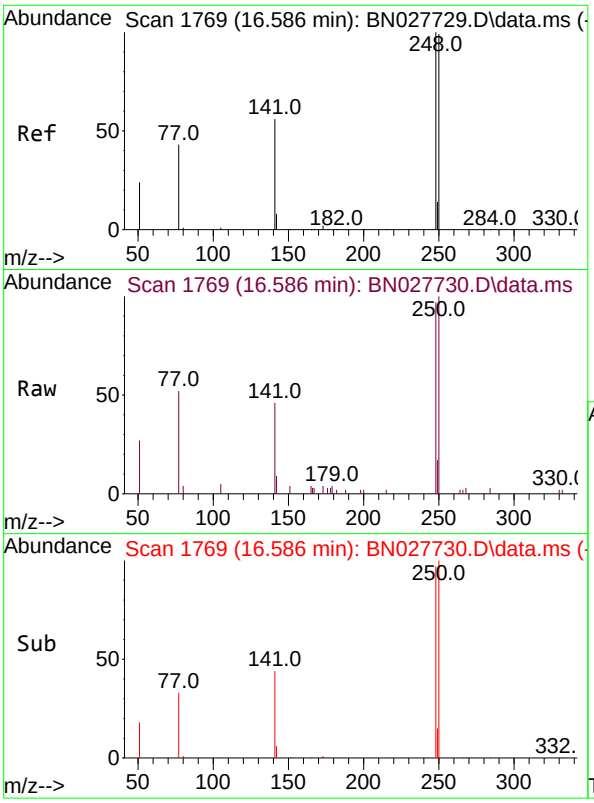


#20
4,6-Dinitro-2-methylphenol
Concen: 0.754 ng
RT: 16.847 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:198 Resp: 111

Ion	Ratio	Lower	Upper
198	100		
51	186.8	215.3	322.9#
105	205.8	180.7	271.1



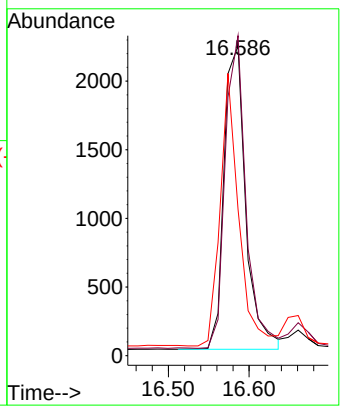


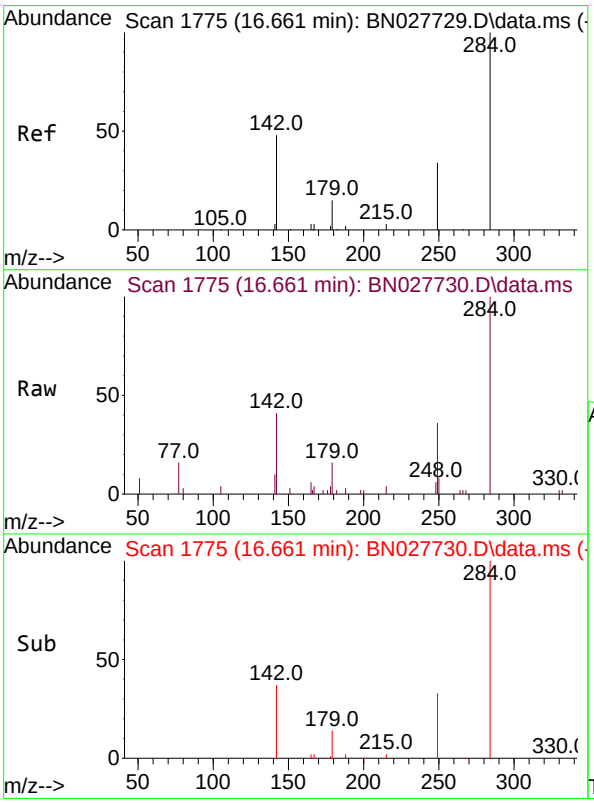
#21
4-Bromophenyl-phenylether
Concen: 0.778 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 4130

Ion	Ratio	Lower	Upper
248	100		
250	103.2	79.8	119.8
141	47.3	47.5	71.3#

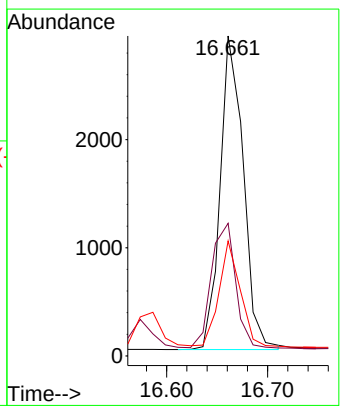


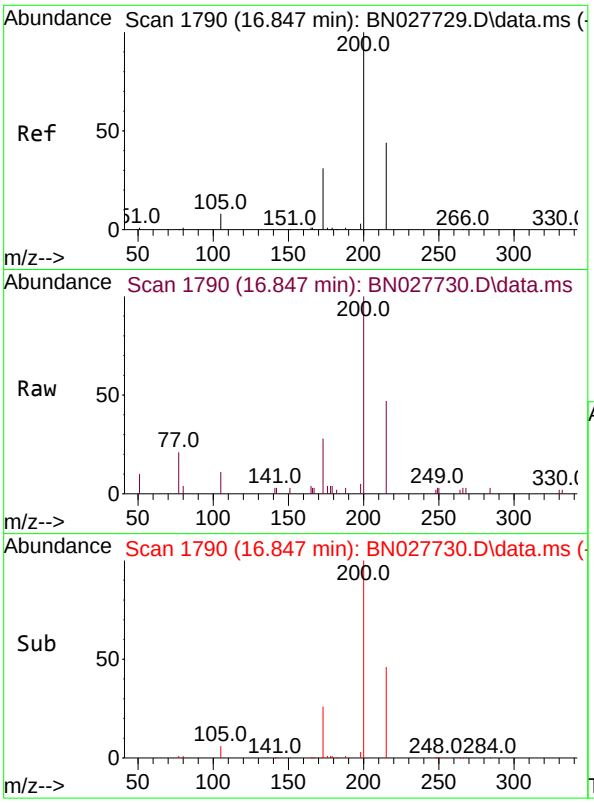


#22
Hexachlorobenzene
Concen: 0.740 ng
RT: 16.661 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:284 Resp: 4624

Ion	Ratio	Lower	Upper
284	100		
142	41.3	32.4	48.6
249	30.4	24.6	36.8



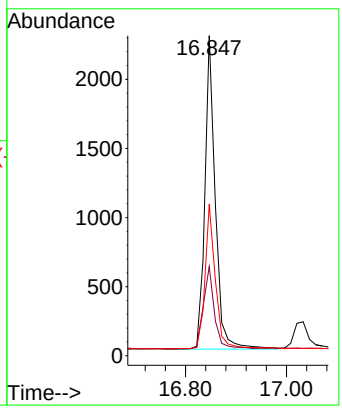


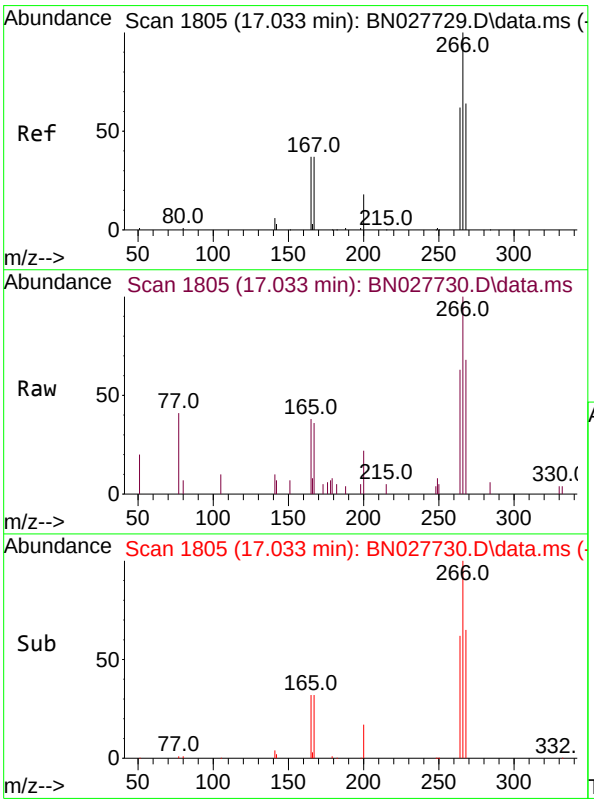
#23
Atrazine
Concen: 0.810 ng
RT: 16.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 3261

Ion	Ratio	Lower	Upper
200	100		
173	27.8	27.4	41.2
215	47.3	37.7	56.5

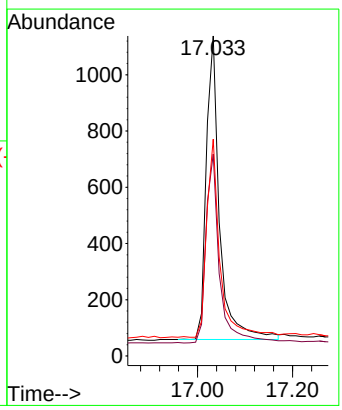


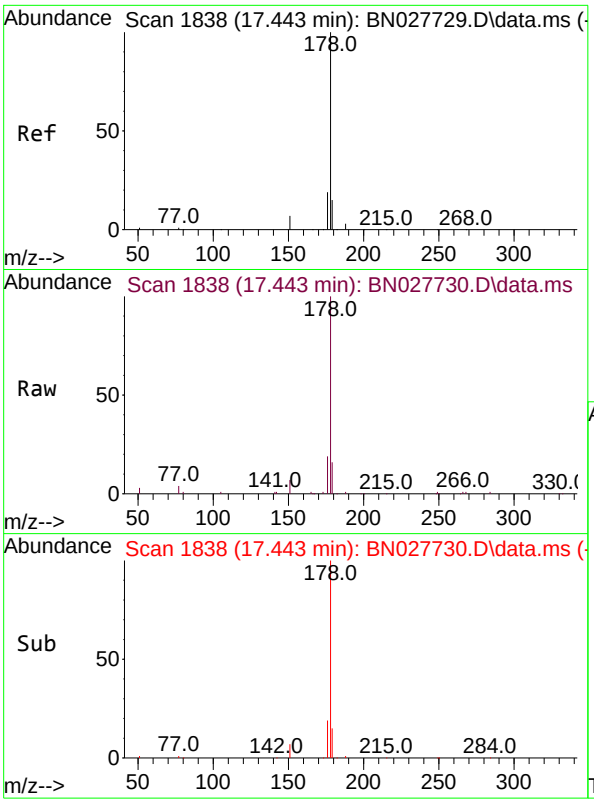


#24
Pentachlorophenol
Concen: 0.850 ng
RT: 17.033 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:266 Resp: 2106

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.0	73.6
268	65.2	53.0	79.6



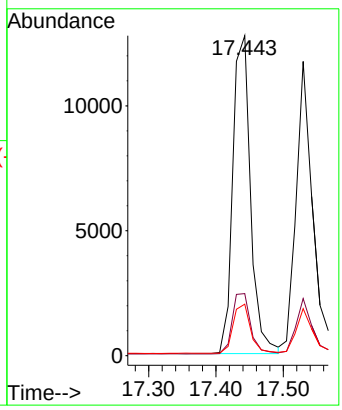


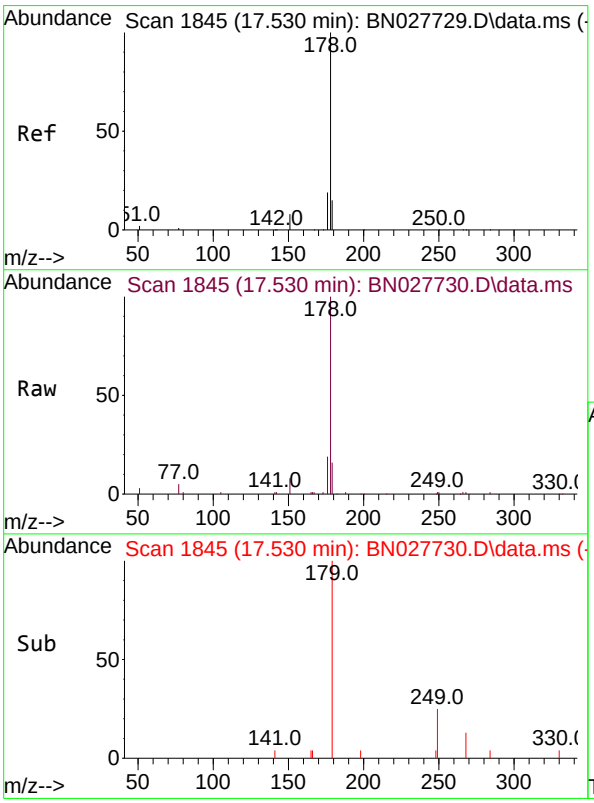
#25
Phenanthrene
Concen: 0.789 ng
RT: 17.443 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 23428

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.3	12.3	18.5

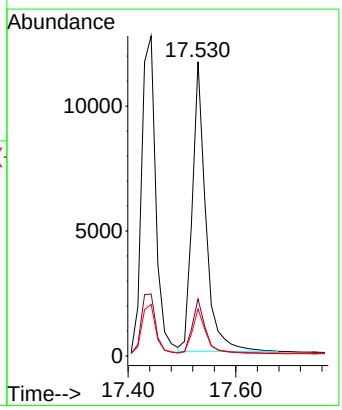


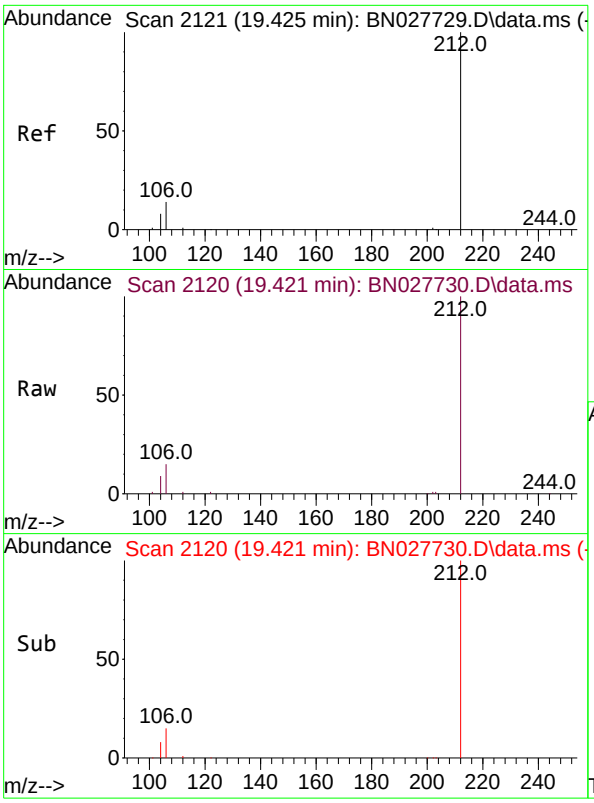


#26
Anthracene
Concen: 0.796 ng
RT: 17.530 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:178 Resp: 20187

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.2	12.2	18.2



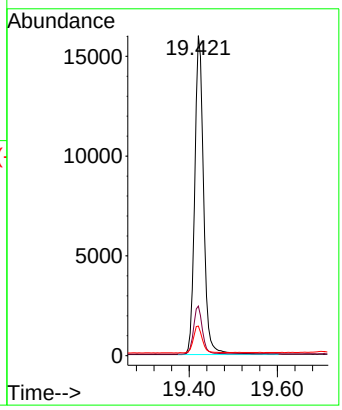


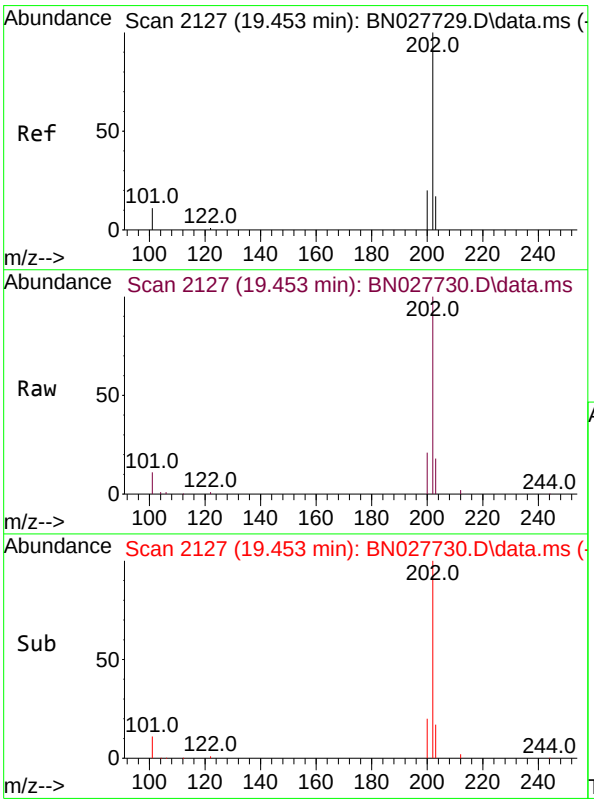
#27
Fluoranthene-d10
Concen: 0.876 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 22431

Ion	Ratio	Lower	Upper
212	100		
106	15.1	11.9	17.9
104	8.6	6.7	10.1

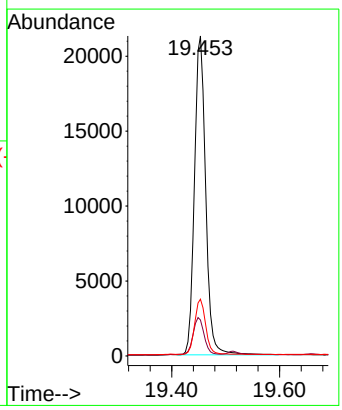


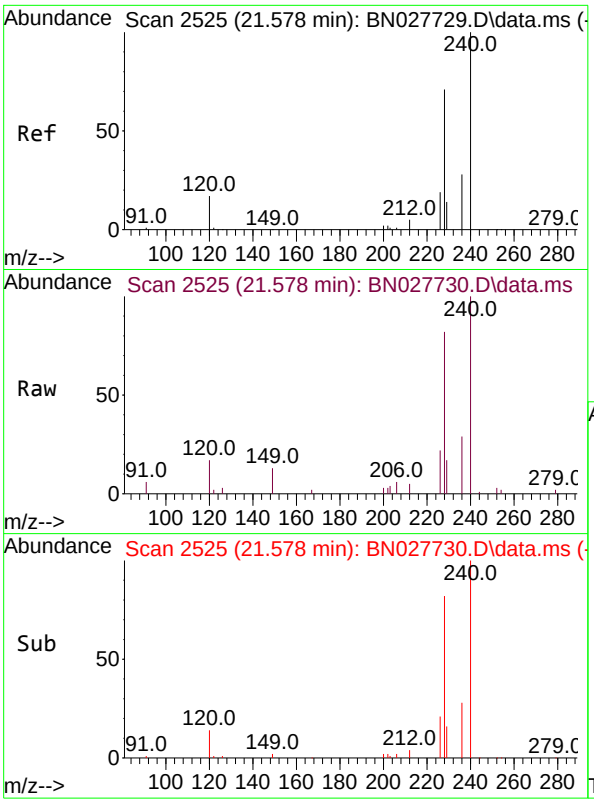


#28
Fluoranthene
Concen: 0.864 ng
RT: 19.453 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:202 Resp: 30667

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
203	17.0	13.5	20.3



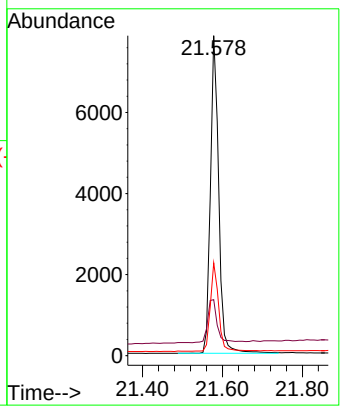


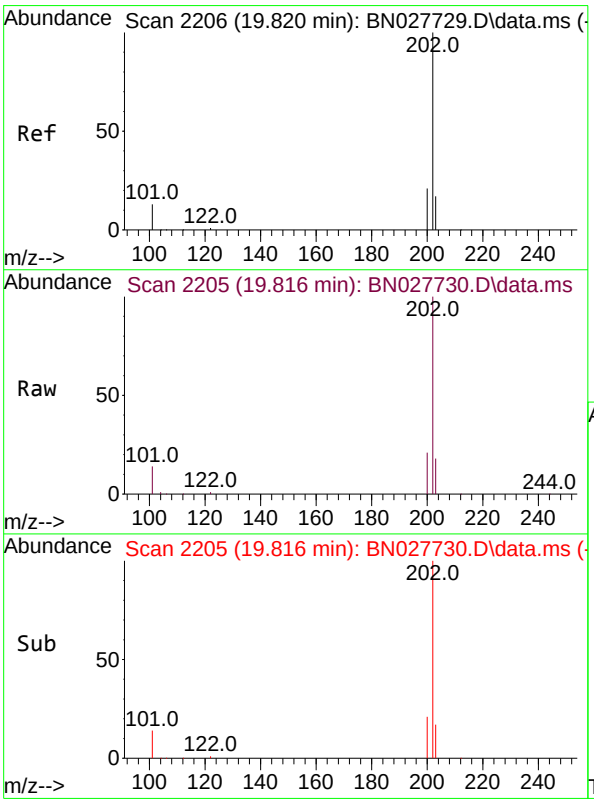
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 11305

Ion	Ratio	Lower	Upper
240	100		
120	17.5	17.2	25.8
236	29.0	23.3	34.9

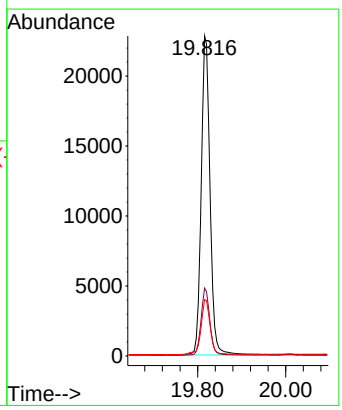


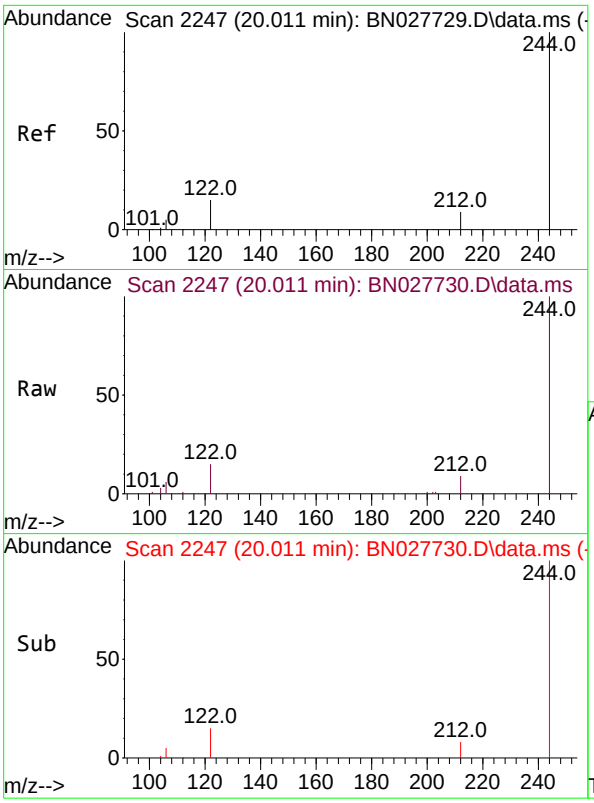


#30
Pyrene
Concen: 0.716 ng
RT: 19.816 min Scan# 2205
Delta R.T. -0.005 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:202 Resp: 31767

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.8	14.6	21.8



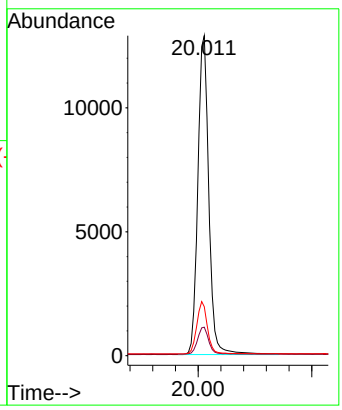


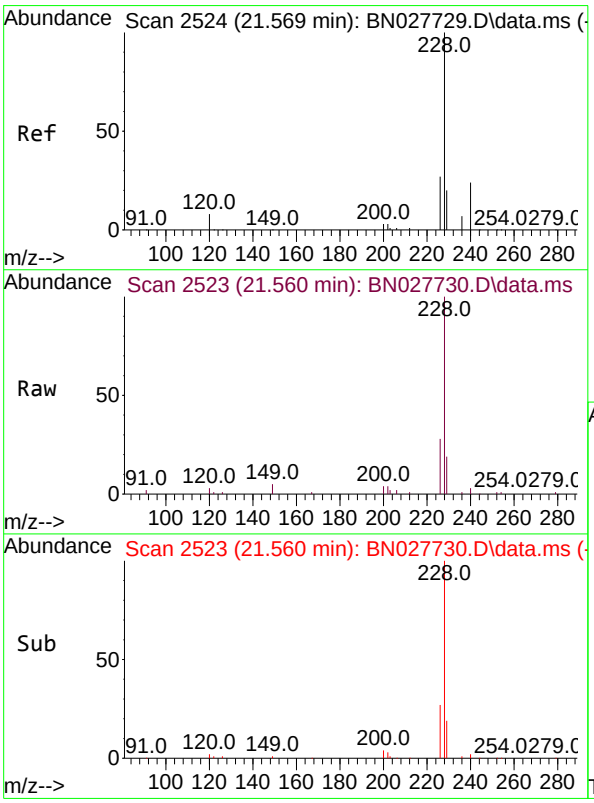
#31
Terphenyl-d14
Concen: 0.758 ng
RT: 20.011 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 17199

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.5	11.3
122	15.3	12.6	19.0

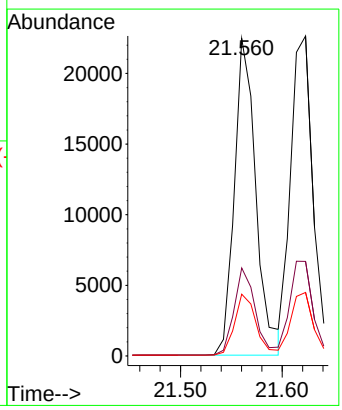


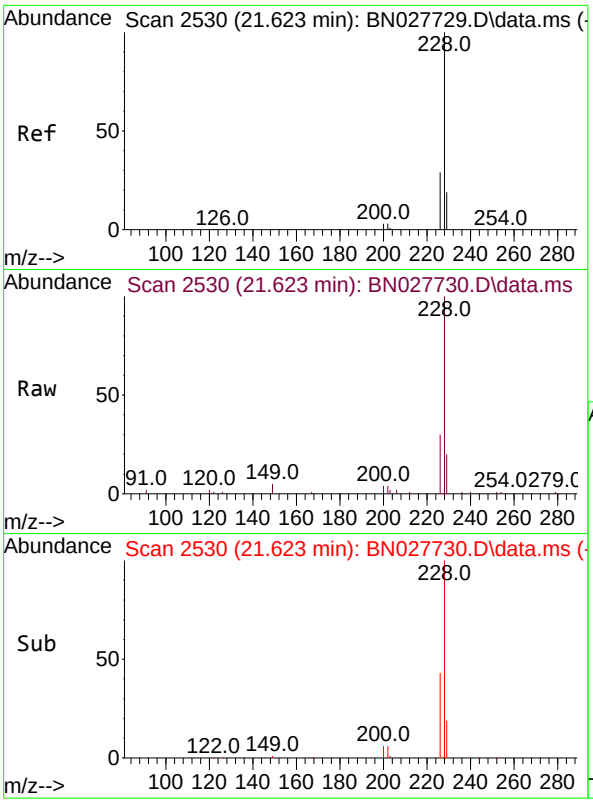


#32
Benzo(a)anthracene
Concen: 0.837 ng
RT: 21.560 min Scan# 2523
Delta R.T. -0.009 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:228 Resp: 32952

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.6
229	19.4	16.2	24.2



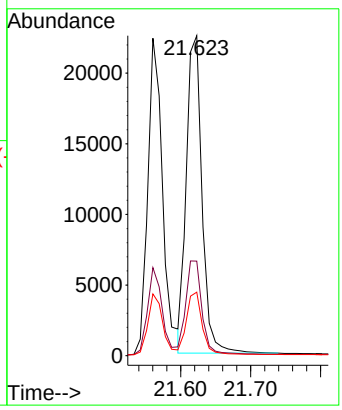


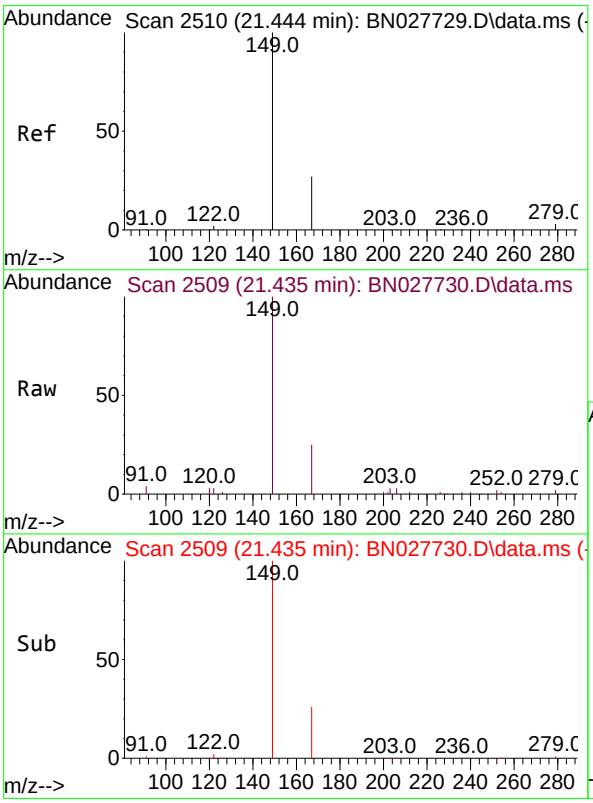
#33
Chrysene
Concen: 0.817 ng
RT: 21.623 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 35040

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	19.9	15.5	23.3

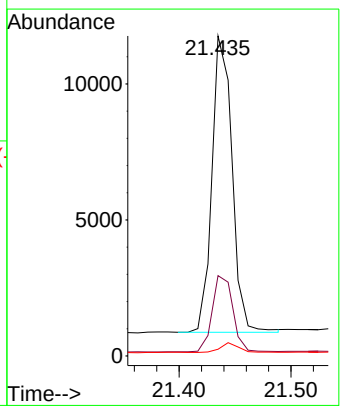


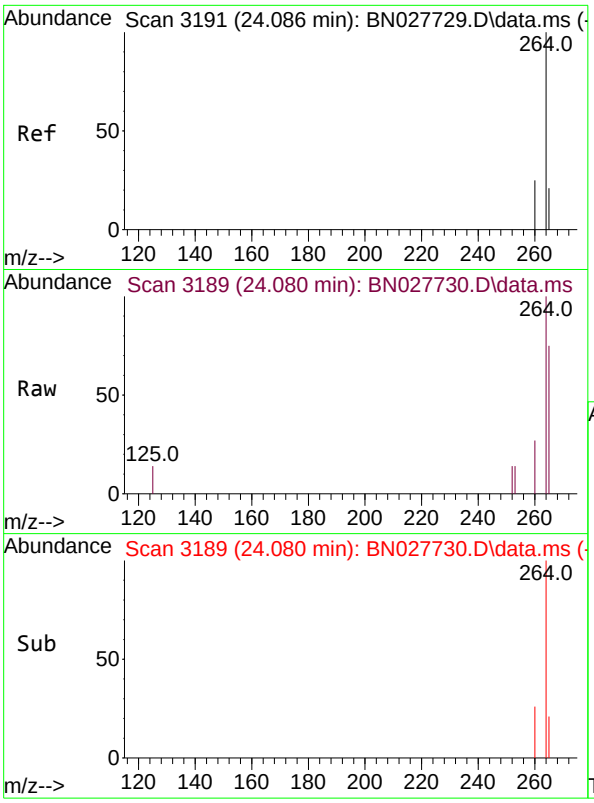


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.730 ng
RT: 21.435 min Scan# 2509
Delta R.T. -0.009 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:149 Resp: 13580

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.9	31.3
279	3.0	2.6	3.8



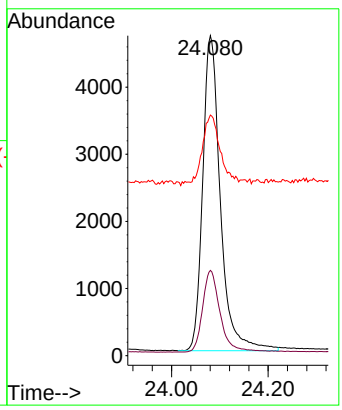


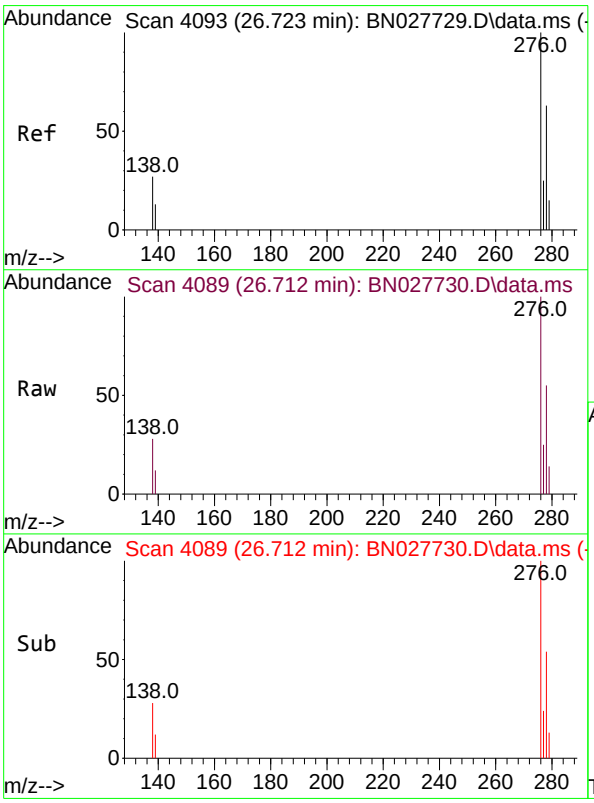
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 11911

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.0	31.4
265	75.2	56.6	84.8

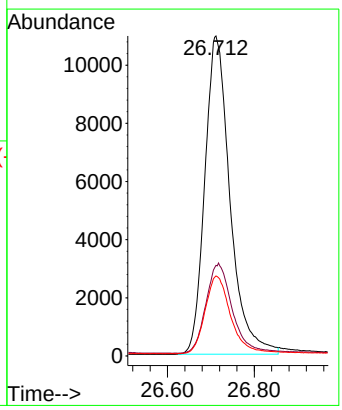


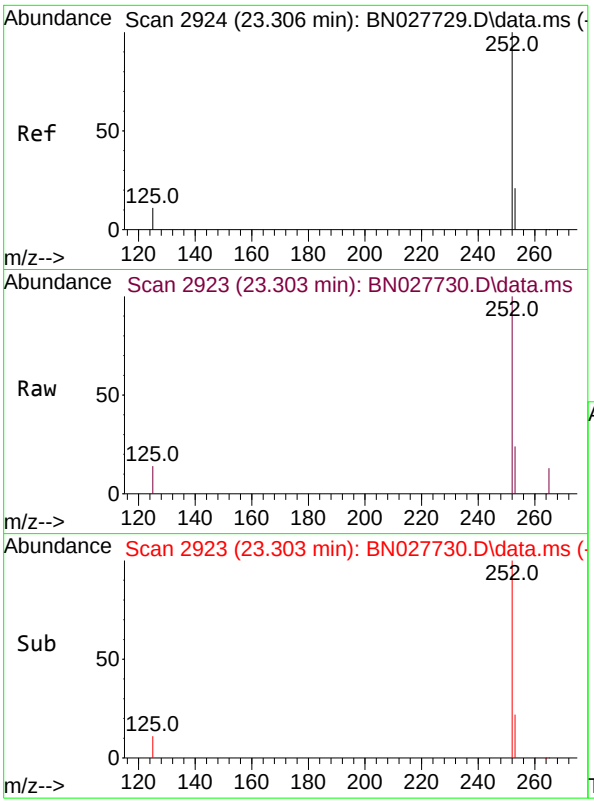


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.886 ng
RT: 26.712 min Scan# 4089
Delta R.T. -0.012 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:276 Resp: 44099

Ion	Ratio	Lower	Upper
276	100		
138	29.4	23.4	35.2
277	24.8	19.8	29.8



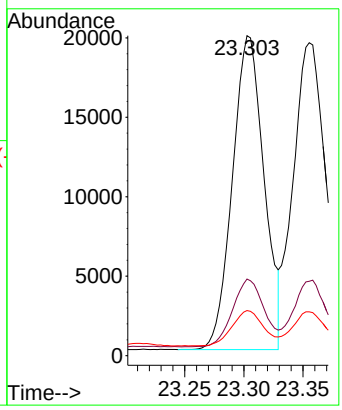


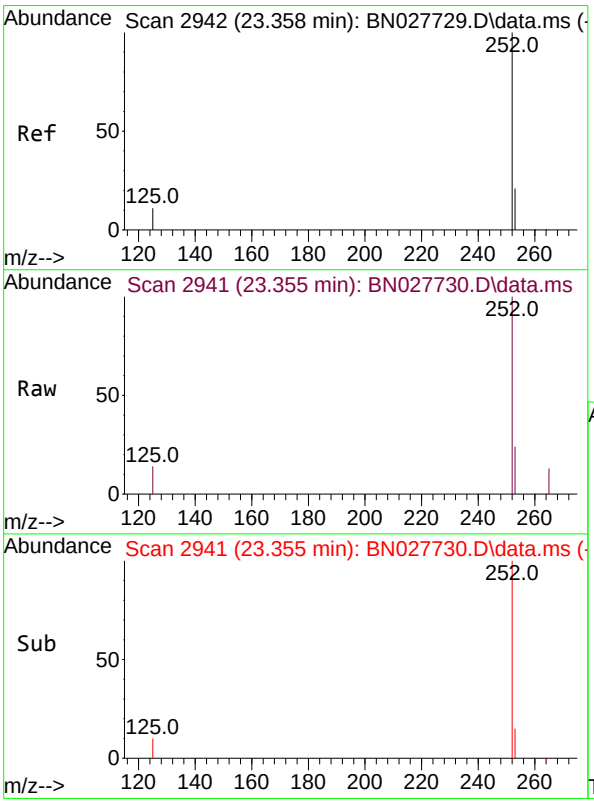
#37
Benzo(b)fluoranthene
Concen: 0.793 ng
RT: 23.303 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 36673

Ion	Ratio	Lower	Upper
252	100		
253	24.0	21.0	31.6
125	14.1	13.2	19.8

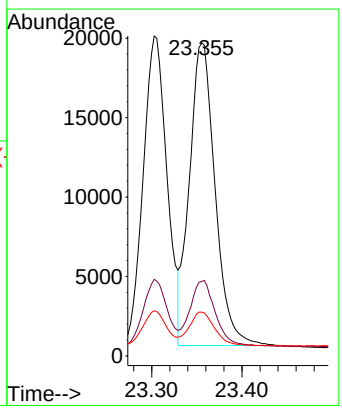


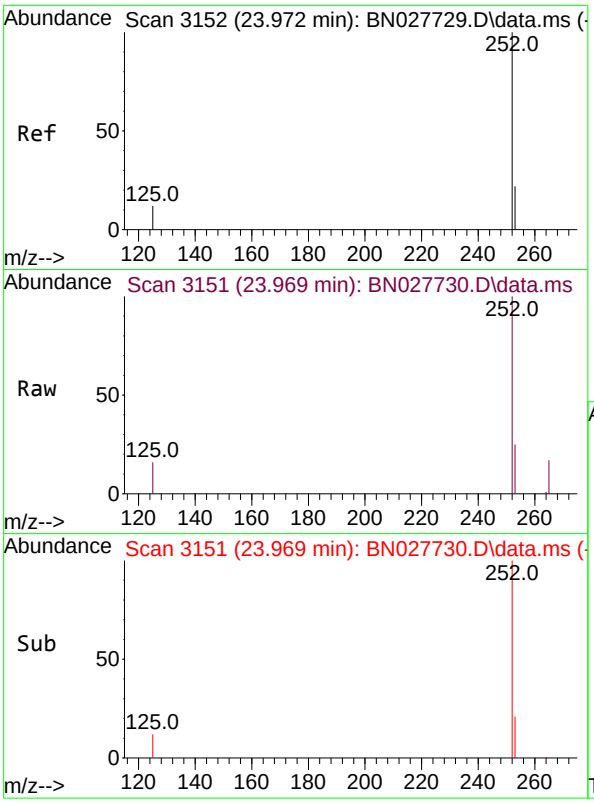


#38
Benzo(k)fluoranthene
Concen: 0.794 ng
RT: 23.355 min Scan# 2941
Delta R.T. -0.003 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:252 Resp: 37734

Ion	Ratio	Lower	Upper
252	100		
253	23.7	21.0	31.6
125	14.0	13.5	20.3



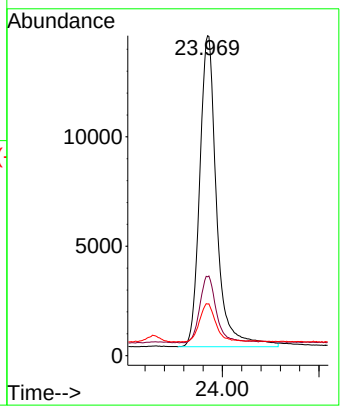


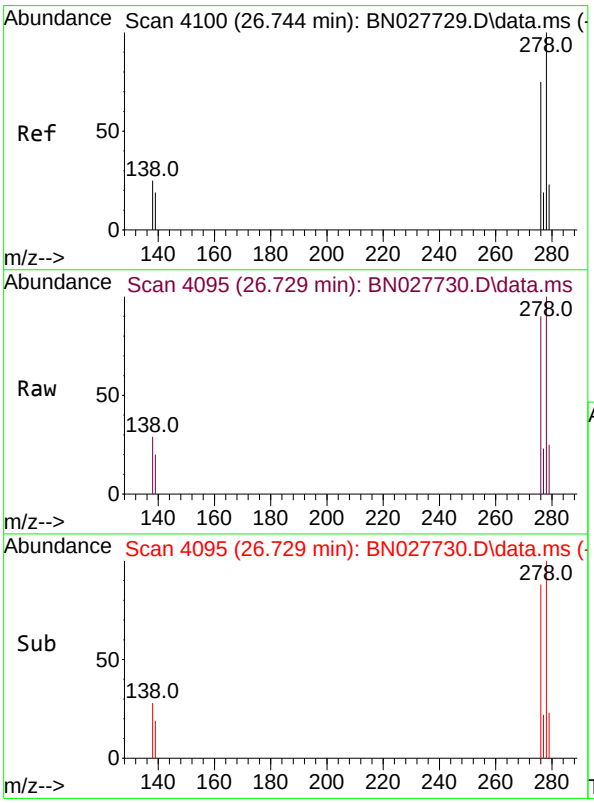
#39
Benzo(a)pyrene
Concen: 0.803 ng
RT: 23.969 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 34612

Ion	Ratio	Lower	Upper
252	100		
253	24.7	22.6	34.0
125	16.1	16.2	24.4#

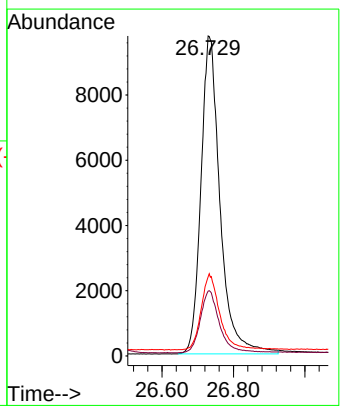


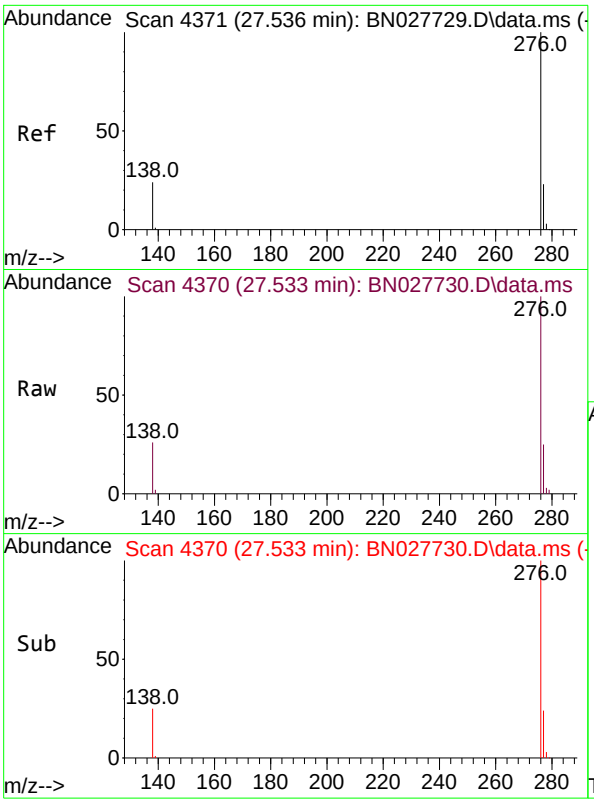


#40
Dibenzo(a,h)anthracene
Concen: 0.922 ng
RT: 26.729 min Scan# 4095
Delta R.T. -0.015 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Tgt Ion:278 Resp: 36216

Ion	Ratio	Lower	Upper
278	100		
139	20.3	17.0	25.4
279	24.7	21.6	32.4





#41
Benzo(g,h,i)perylene
Concen: 0.872 ng
RT: 27.533 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN027730.D
Acq: 18 Sep 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 39283

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	25.7	21.0	31.4