Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
Data File : BN027727.D
Acq On : 18 Sep 2023 10:30
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 18 14:03:59 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	1755	0.400	ng		0.00
7) Naphthalene-d8	10.831	136	5828	0.400	ng		0.00
13) Acenaphthene-d10	14.651	164	3988	0.400	ng		0.00
19) Phenanthrene-d10	17.393	188	11444	0.400	ng		0.00
29) Chrysene-d12	21.578	240	13262	0.400	ng		0.00
35) Perylene-d12	24.080	264	14178	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.545	112	564	0.122	ng		0.00
5) Phenol-d6	7.163	99	646	0.116	ng		0.00
8) Nitrobenzene-d5	9.208	82	514	0.119	ng		0.00
11) 2-Methylnaphthalene-d10	12.415	152	832	0.097	ng		0.00
14) 2,4,6-Tribromophenol	16.152	330	220	0.143	ng		0.00
15) 2-Fluorobiphenyl	13.282	172	1354	0.091	ng		0.01
27) Fluoranthene-d10	19.425	212	3237	0.111	ng		0.00
31) Terphenyl-d14	20.010	244	2856	0.107	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.429	88	215	0.100	ng	#	84
3) n-Nitrosodimethylamine	3.776	42	260	0.111	ng	#	92
6) bis(2-Chloroethyl)ether	7.445	93	578	0.106	ng		96
9) Naphthalene	10.884	128	1650	0.103	ng	#	89
10) Hexachlorobutadiene	11.109	225	289	0.099	ng	#	98
12) 2-Methylnaphthalene	12.490	142	1072	0.095	ng	#	91
16) Acenaphthylene	14.373	152	1606	0.089	ng		99
17) Acenaphthene	14.715	154	1182	0.097	ng		97
18) Fluorene	15.692	166	1743	0.106	ng		100
20) 4,6-Dinitro-2-methylph...	16.847	198	23	0.137	ng	#	57
21) 4-Bromophenyl-phenylether	16.586	248	558	0.092	ng		95
22) Hexachlorobenzene	16.673	284	659	0.093	ng		98
23) Atrazine	16.847	200	454	0.099	ng	#	87
25) Phenanthrene	17.442	178	3296	0.098	ng		99
26) Anthracene	17.529	178	2636	0.091	ng		99
28) Fluoranthene	19.453	202	4283	0.106	ng		98
30) Pyrene	19.820	202	4579	0.088	ng		100
32) Benzo(a)anthracene	21.560	228	4746	0.103	ng		97
33) Chrysene	21.623	228	5067	0.101	ng		97
34) Bis(2-ethylhexyl)phtha...	21.434	149	2711	0.124	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.714	276	5816	0.098	ng		99
37) Benzo(b)fluoranthene	23.302	252	5013	0.091	ng	#	72
38) Benzo(k)fluoranthene	23.355	252	5045	0.089	ng	#	69
39) Benzo(a)pyrene	23.966	252	4674	0.091	ng	#	64
40) Dibenzo(a,h)anthracene	26.741	278	4691	0.100	ng	#	80
41) Benzo(g,h,i)perylene	27.533	276	5339	0.100	ng	#	90

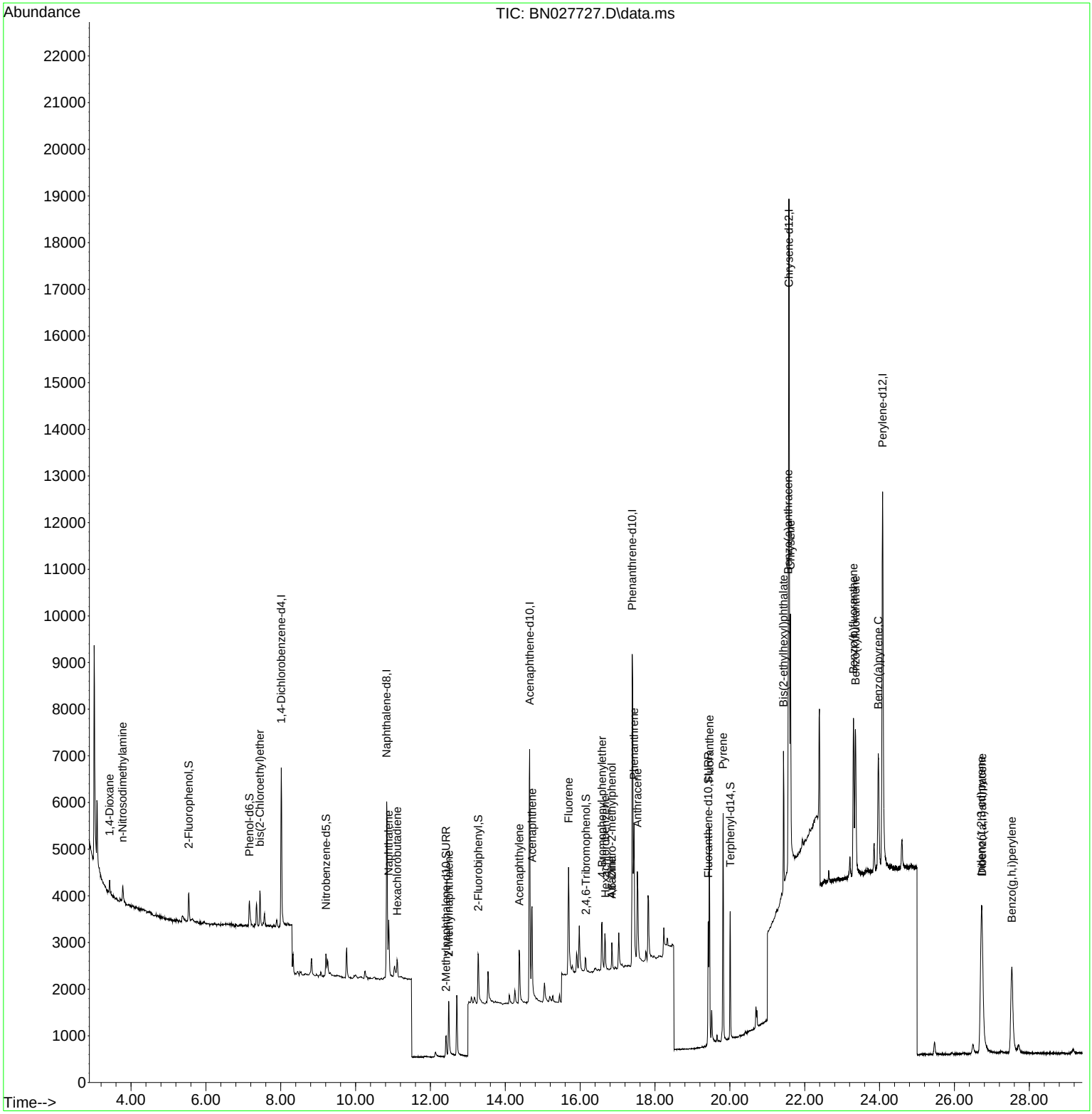
(#) = qualifier out of range (m) = manual integration (+) = signals summed

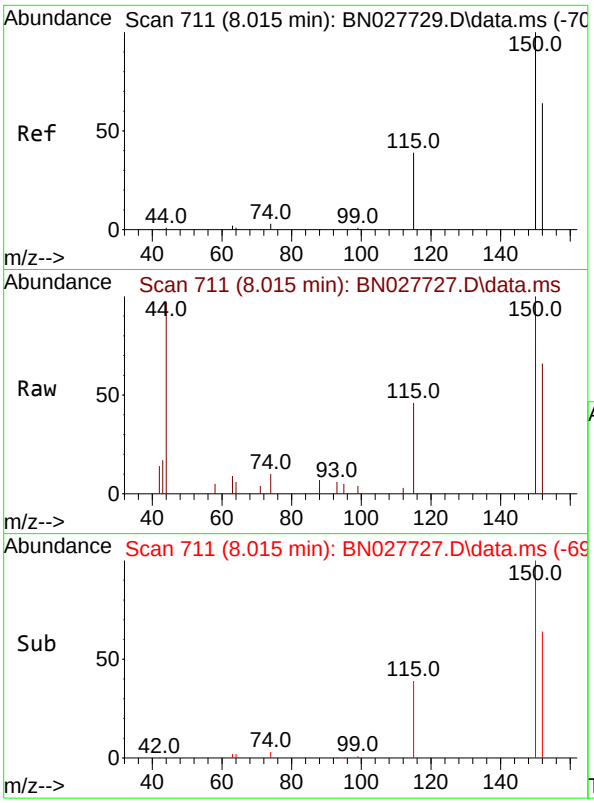
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
Data File : BN027727.D
Acq On : 18 Sep 2023 10:30
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 18 14:03:59 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



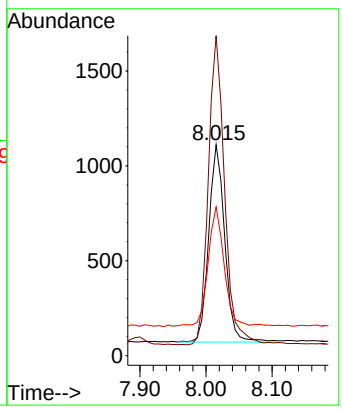


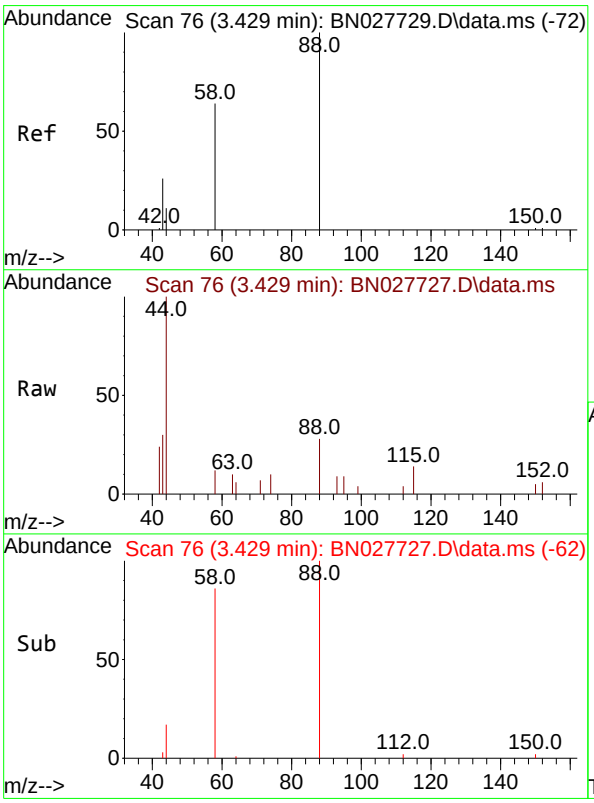
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.015 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1755

Ion	Ratio	Lower	Upper
152	100		
150	151.8	120.4	180.6
115	70.5	57.4	86.0

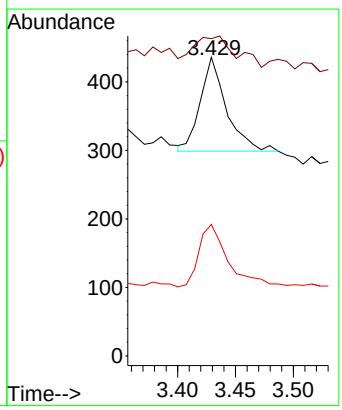


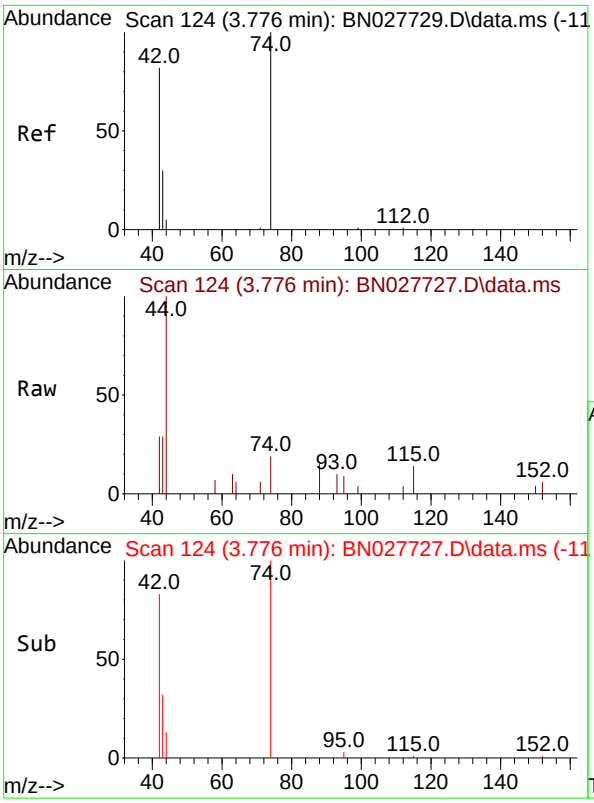


#2
1,4-Dioxane
Concen: 0.100 ng
RT: 3.429 min Scan# 76
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion: 88 Resp: 215

Ion	Ratio	Lower	Upper
88	100		
43	53.5	24.1	36.1#
58	73.0	55.4	83.2



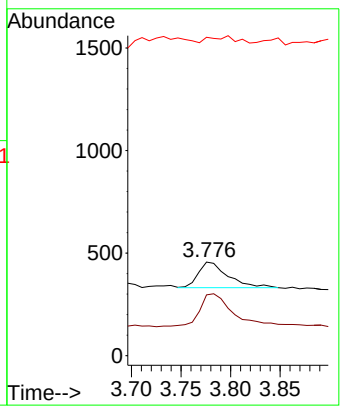


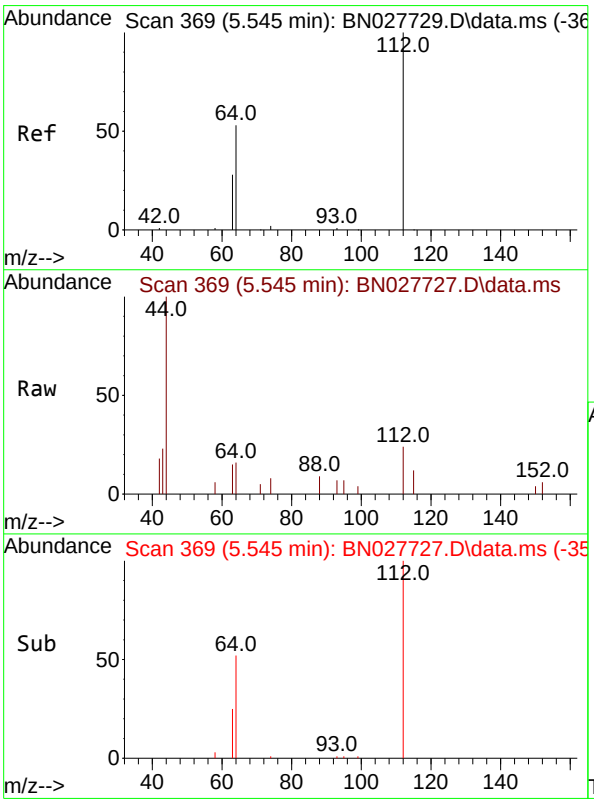
#3
n-Nitrosodimethylamine
Concen: 0.111 ng
RT: 3.776 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 260

Ion	Ratio	Lower	Upper
42	100		
74	143.5	107.9	161.9
44	0.0	7.5	11.3#

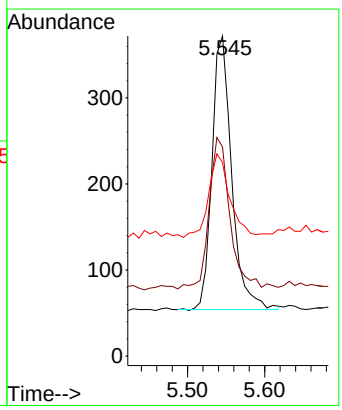


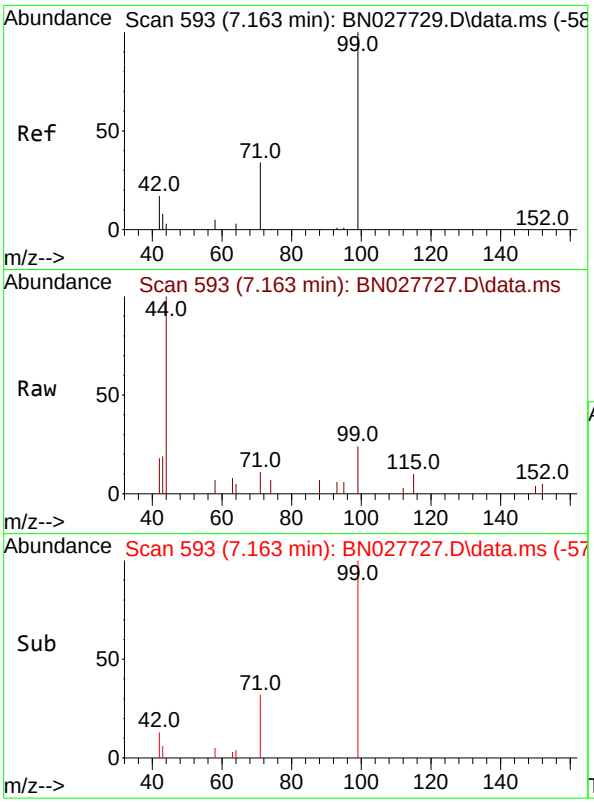


#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.545 min Scan# 369
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:112 Resp: 564

Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.4	69.6
63	32.6	24.4	36.6



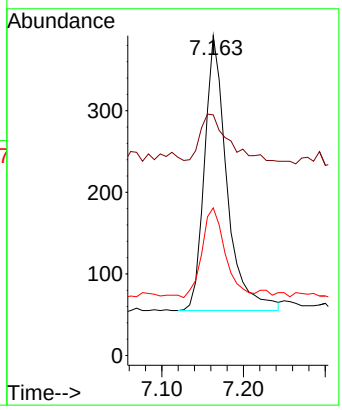


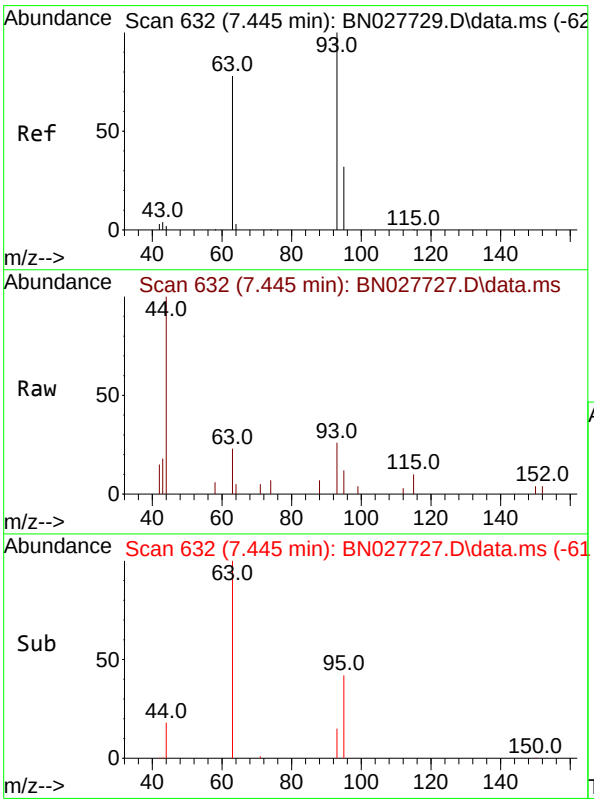
#5
Phenol-d6
Concen: 0.116 ng
RT: 7.163 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 646

Ion	Ratio	Lower	Upper
99	100		
42	24.6	16.1	24.1#
71	33.7	27.0	40.4

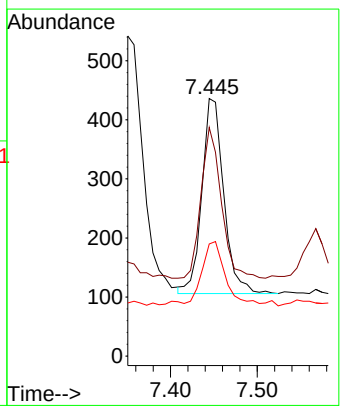


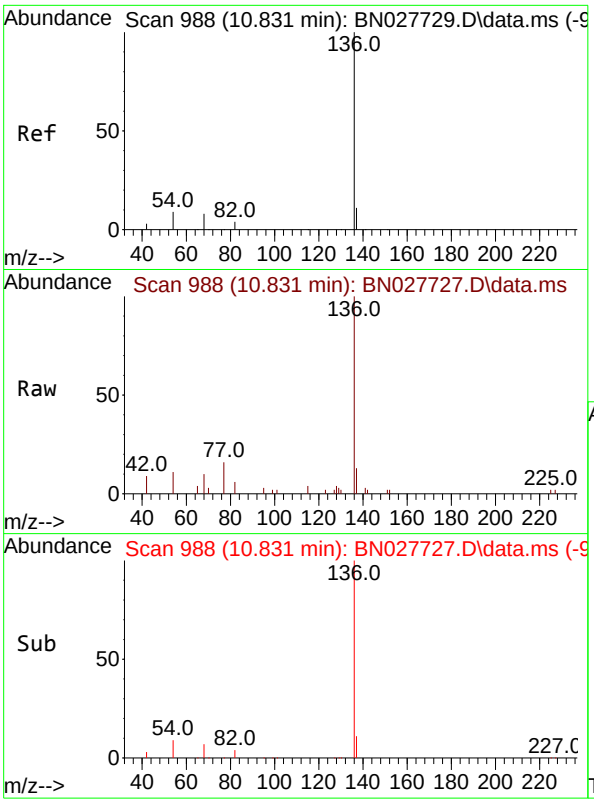


#6
bis(2-Chloroethyl)ether
Concen: 0.106 ng
RT: 7.445 min Scan# 632
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion: 93 Resp: 578

Ion	Ratio	Lower	Upper
93	100		
63	72.1	58.8	88.2
95	38.1	25.8	38.8



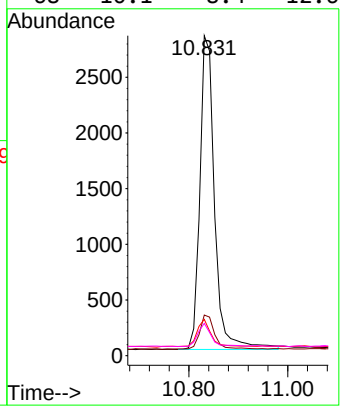


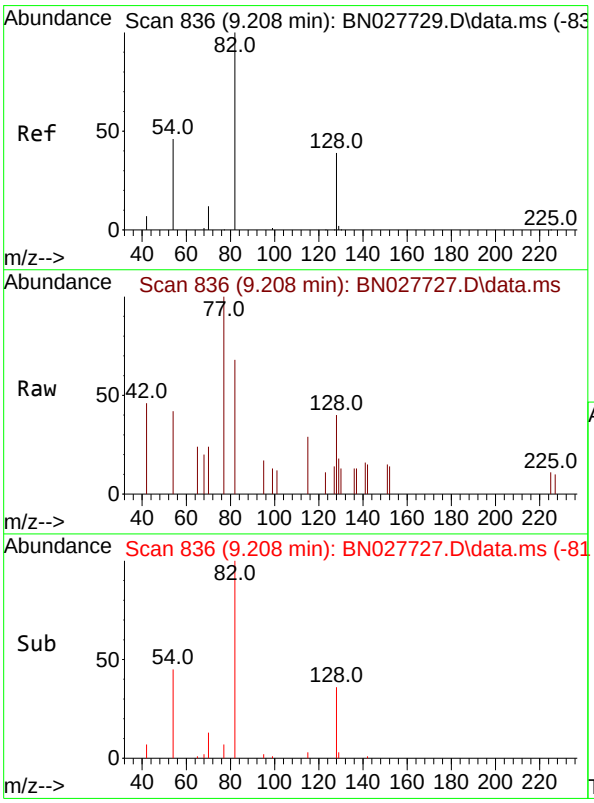
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 5828

Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.4	15.6
54	11.4	9.4	14.0
68	10.1	8.4	12.6

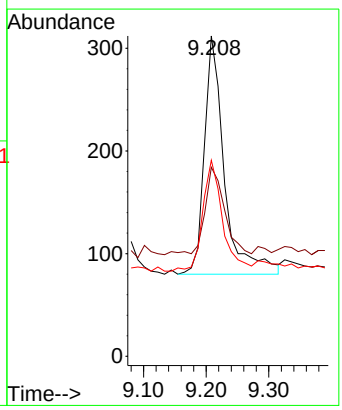


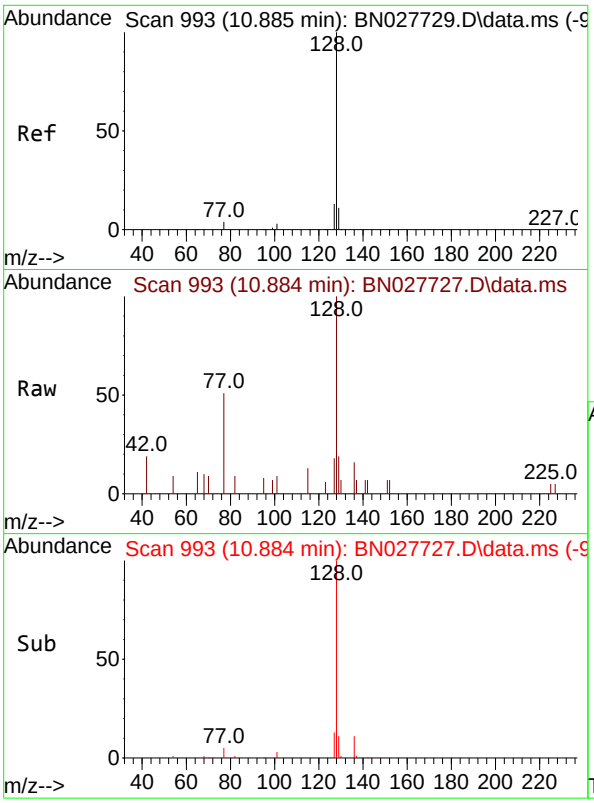


#8
Nitrobenzene-d5
Concen: 0.119 ng
RT: 9.208 min Scan# 836
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion: 82 Resp: 514

Ion	Ratio	Lower	Upper
82	100		
128	59.0	37.9	56.9#
54	61.2	40.6	61.0#



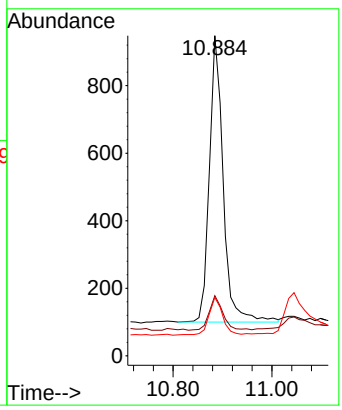


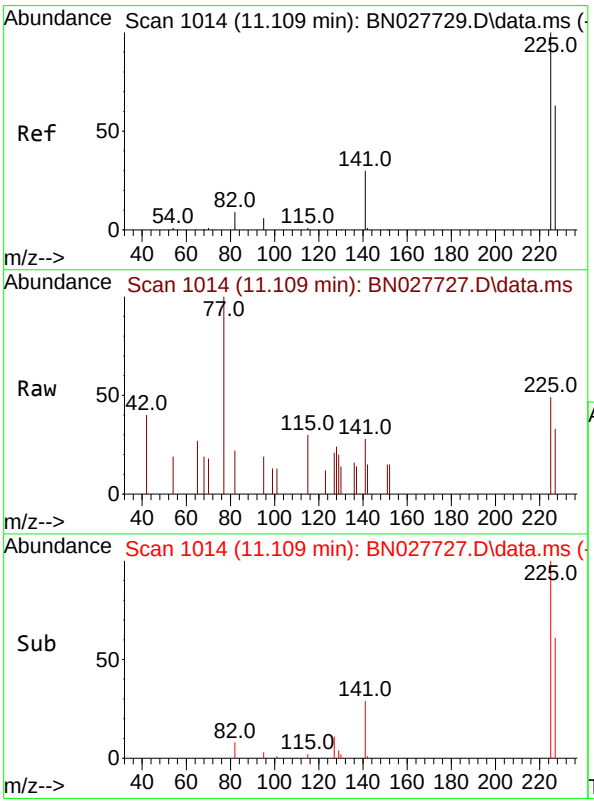
#9
Naphthalene
Concen: 0.103 ng
RT: 10.884 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 1650

Ion	Ratio	Lower	Upper
128	100		
129	18.8	10.5	15.7#
127	18.2	11.8	17.6#

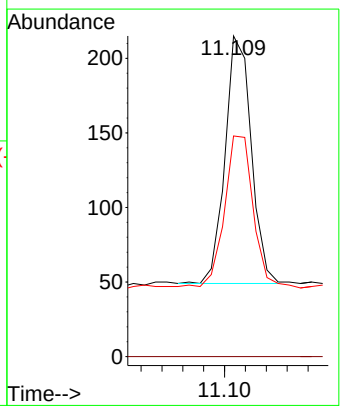


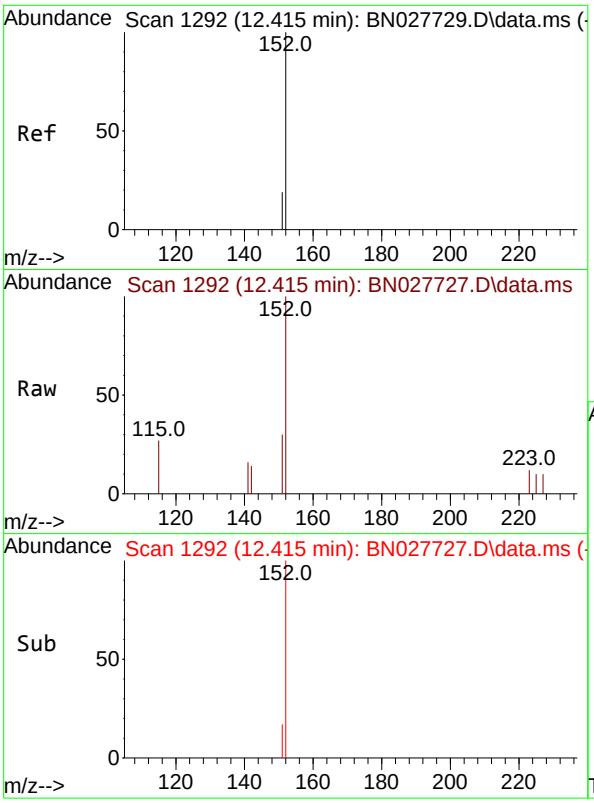


#10
Hexachlorobutadiene
Concen: 0.099 ng
RT: 11.109 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:225 Resp: 289

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.7	51.6	77.4



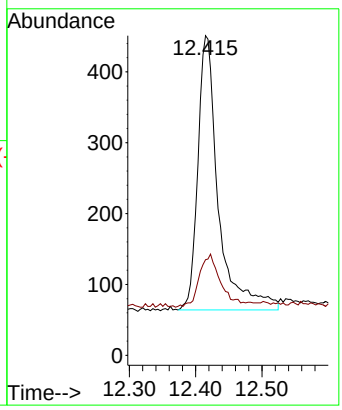


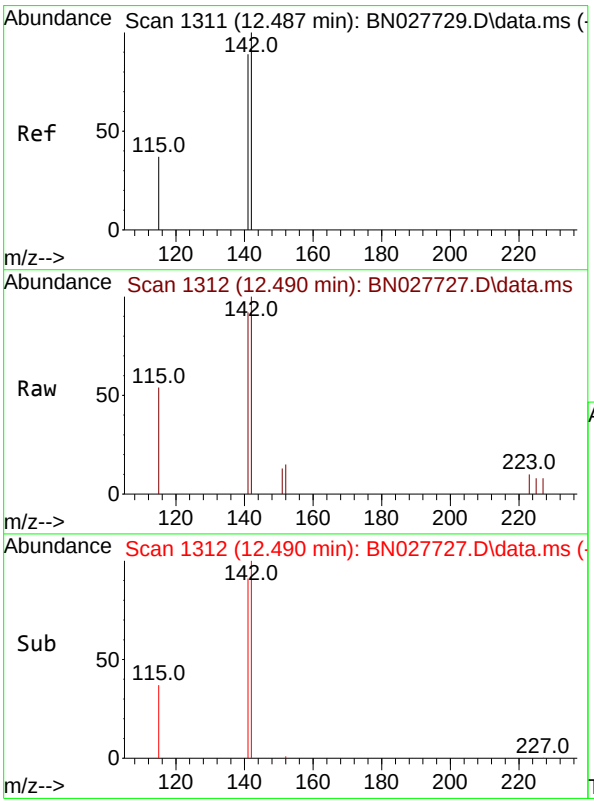
#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 832

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9

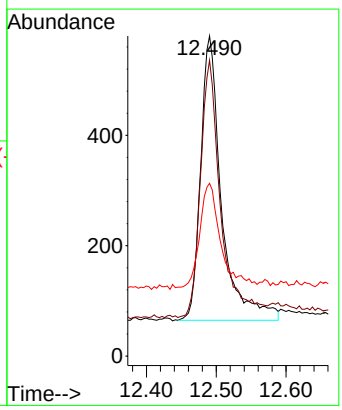


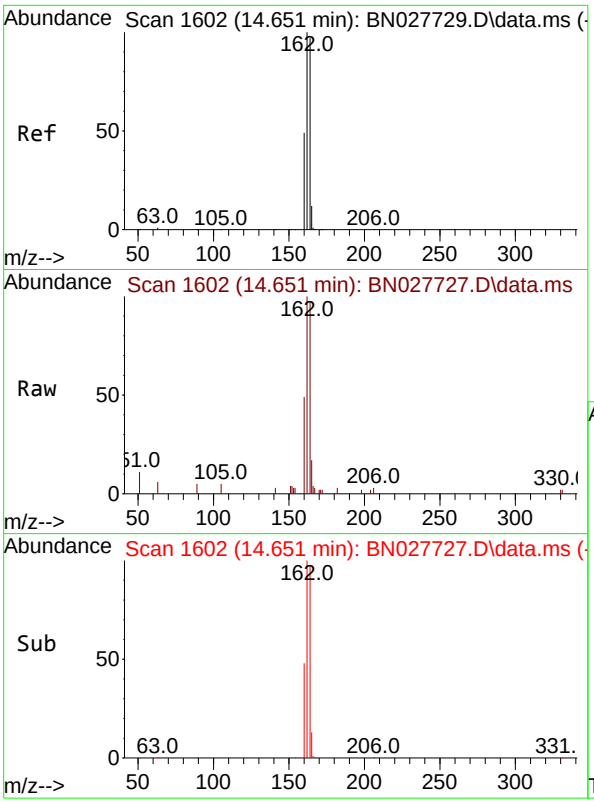


#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.490 min Scan# 1312
Delta R.T. 0.004 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:142 Resp: 1072

Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.2	106.8
115	54.0	33.4	50.0#



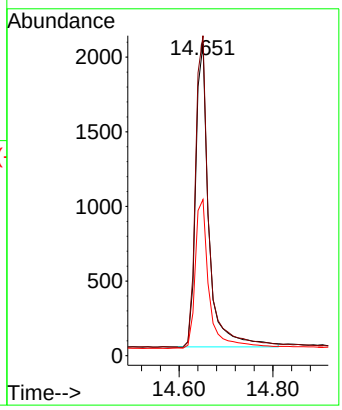


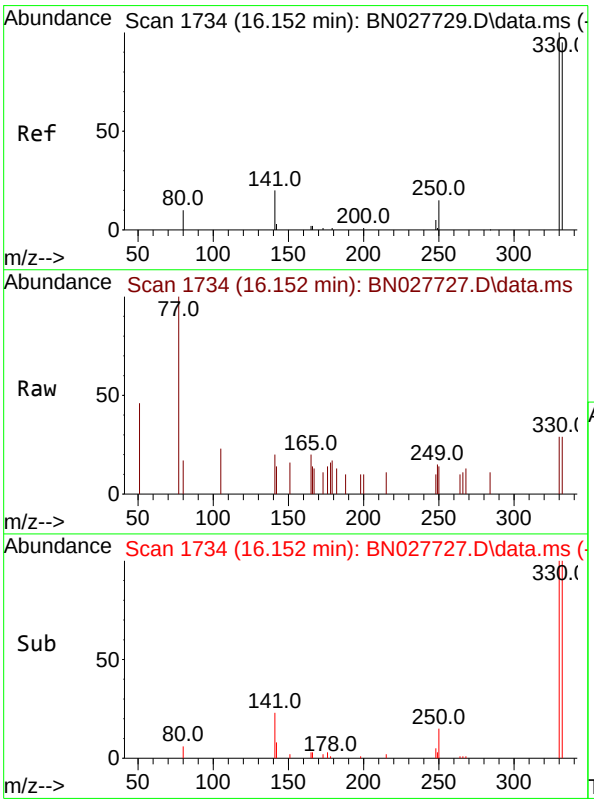
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 3988

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.4	123.6
160	50.2	41.0	61.4

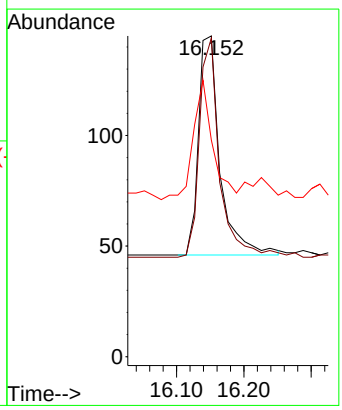


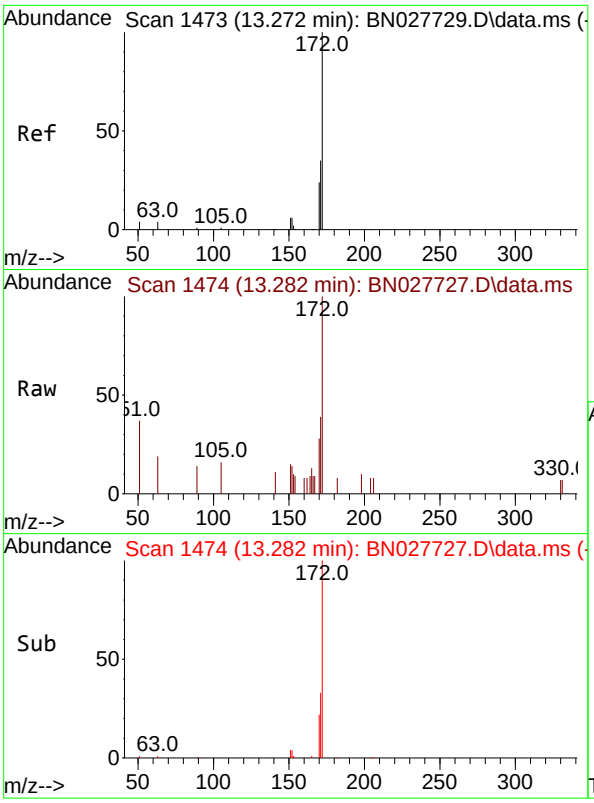


#14
2,4,6-Tribromophenol
Concen: 0.143 ng
RT: 16.152 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:330 Resp: 220

Ion	Ratio	Lower	Upper
330	100		
332	93.6	75.8	113.8
141	49.5	38.0	57.0



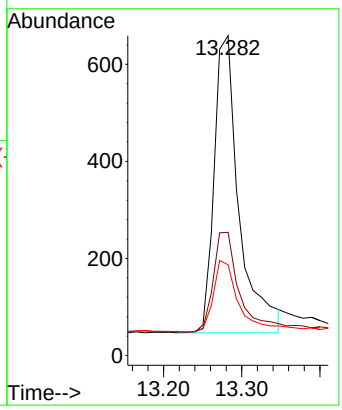


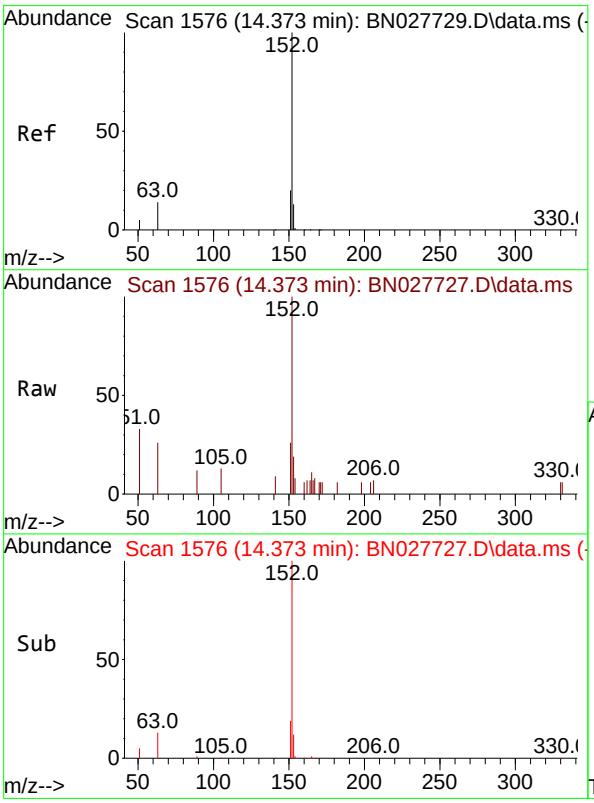
#15
2-Fluorobiphenyl
Concen: 0.091 ng
RT: 13.282 min Scan# 14
Delta R.T. 0.010 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 1354

Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.2	43.8
170	28.4	20.6	31.0

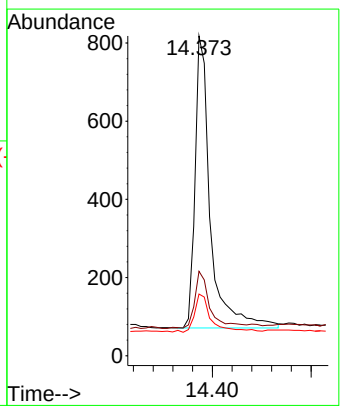


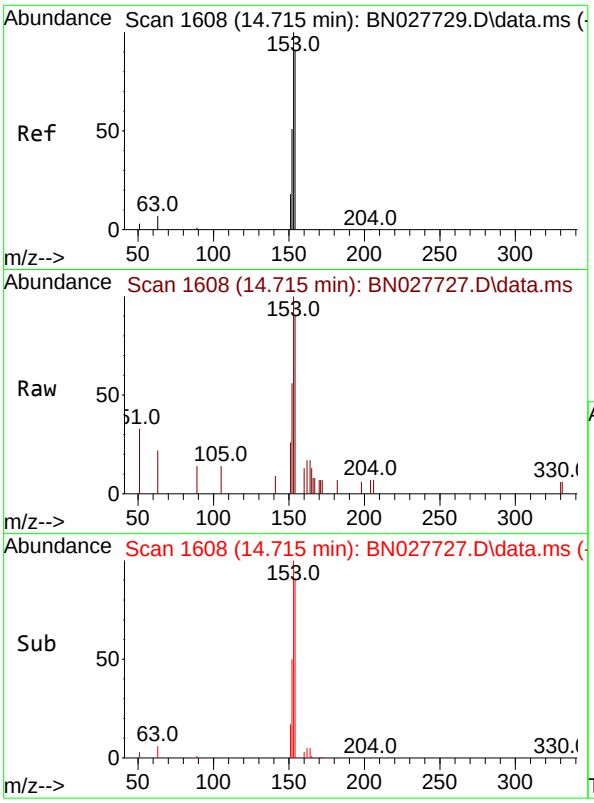


#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.373 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:152 Resp: 1606

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.9	10.1	15.1



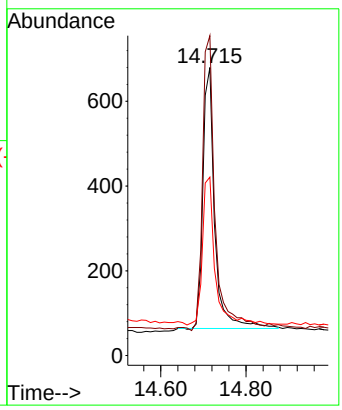


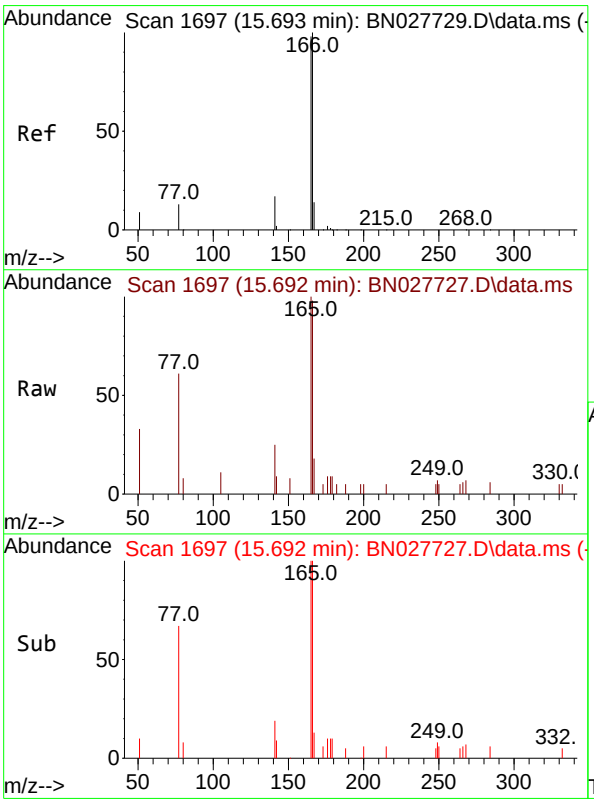
#17
Acenaphthene
Concen: 0.097 ng
RT: 14.715 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1182

Ion	Ratio	Lower	Upper
154	100		
153	122.3	94.0	141.0
152	61.7	48.4	72.6

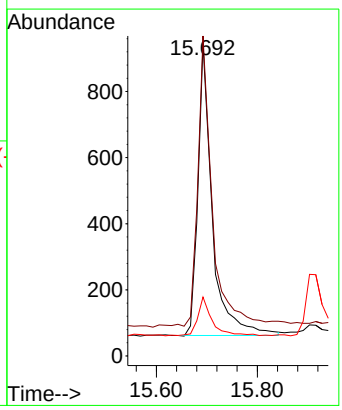


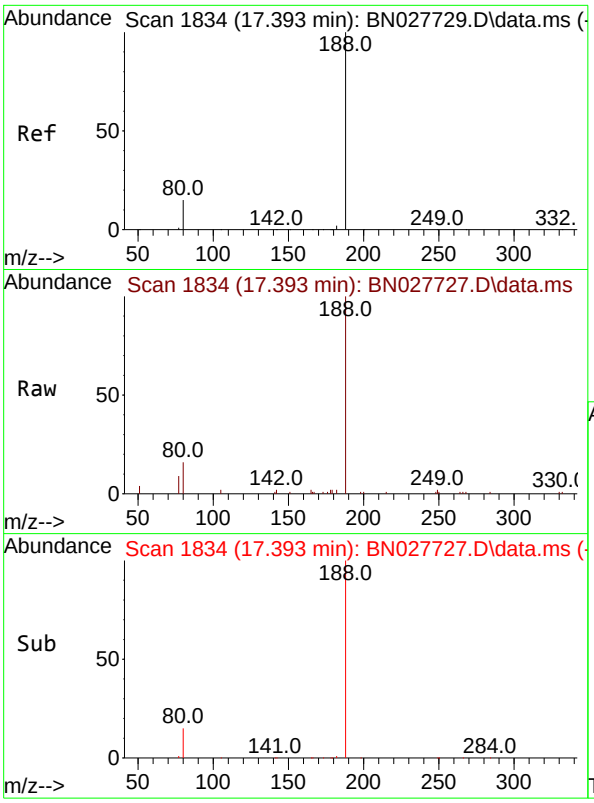


#18
Fluorene
Concen: 0.106 ng
RT: 15.692 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:166 Resp: 1743

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.0	118.6
167	13.5	10.9	16.3



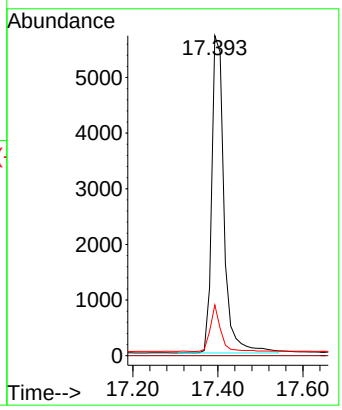


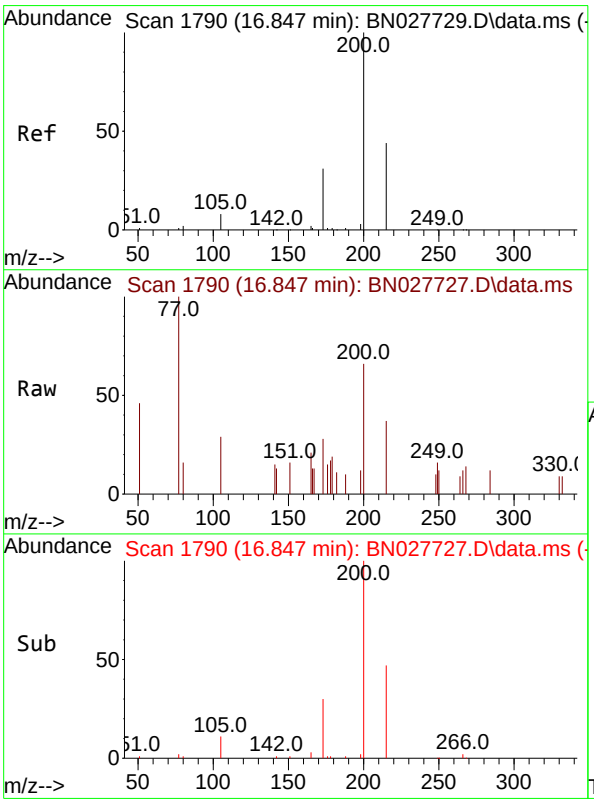
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 11444

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.9	13.0	19.6

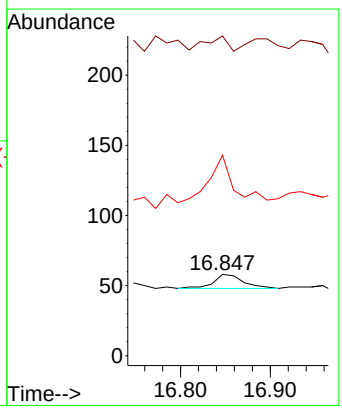


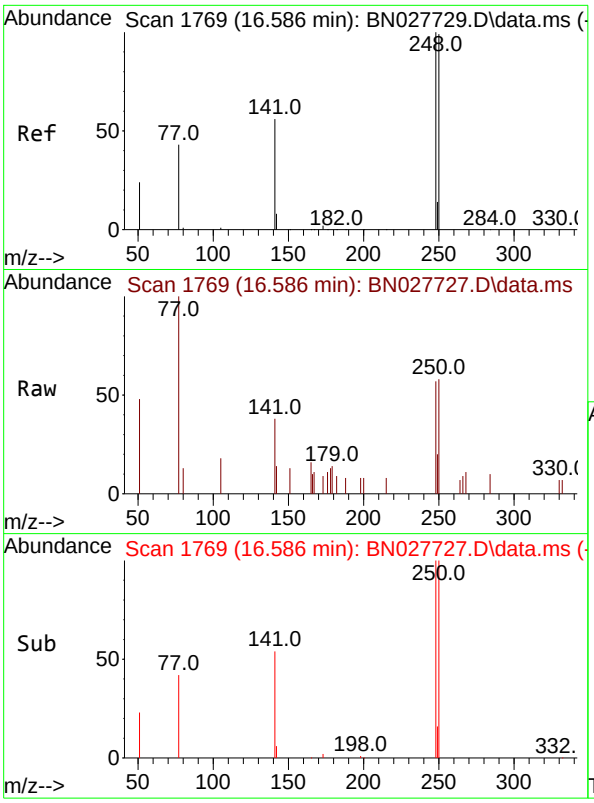


#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 16.847 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:198 Resp: 23

Ion	Ratio	Lower	Upper
198	100		
51	393.1	215.3	322.9#
105	246.6	180.7	271.1



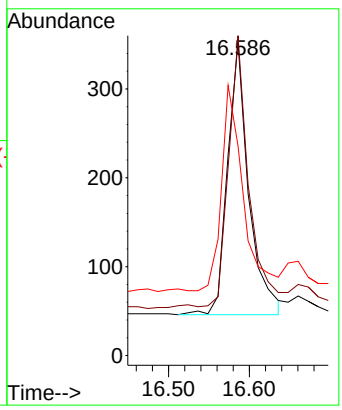


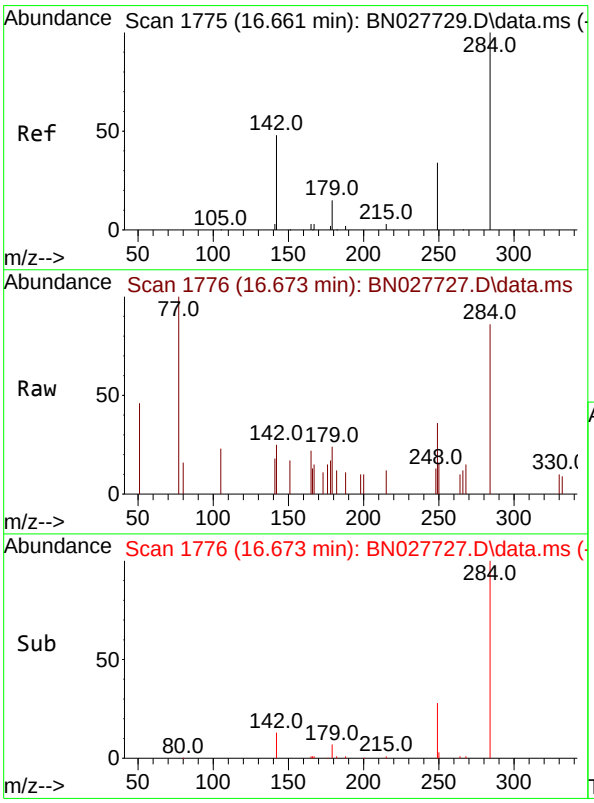
#21
4-Bromophenyl-phenylether
Concen: 0.092 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 558

Ion	Ratio	Lower	Upper
248	100		
250	102.0	79.8	119.8
141	66.9	47.5	71.3

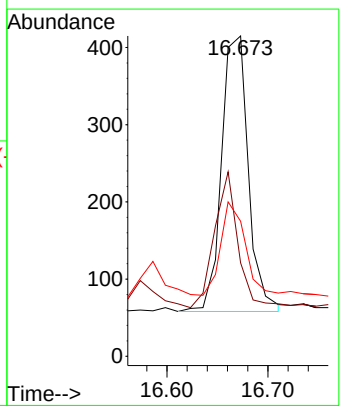


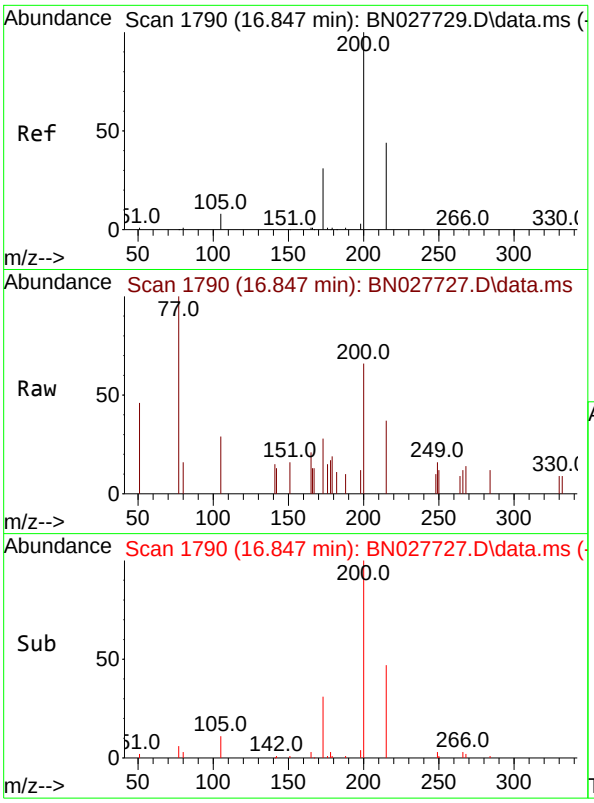


#22
Hexachlorobenzene
Concen: 0.093 ng
RT: 16.673 min Scan# 1776
Delta R.T. 0.012 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:284 Resp: 659

Ion	Ratio	Lower	Upper
284	100		
142	42.9	32.4	48.6
249	31.0	24.6	36.8



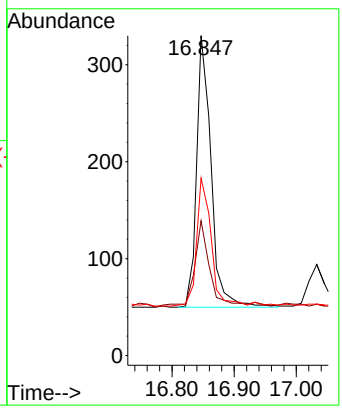


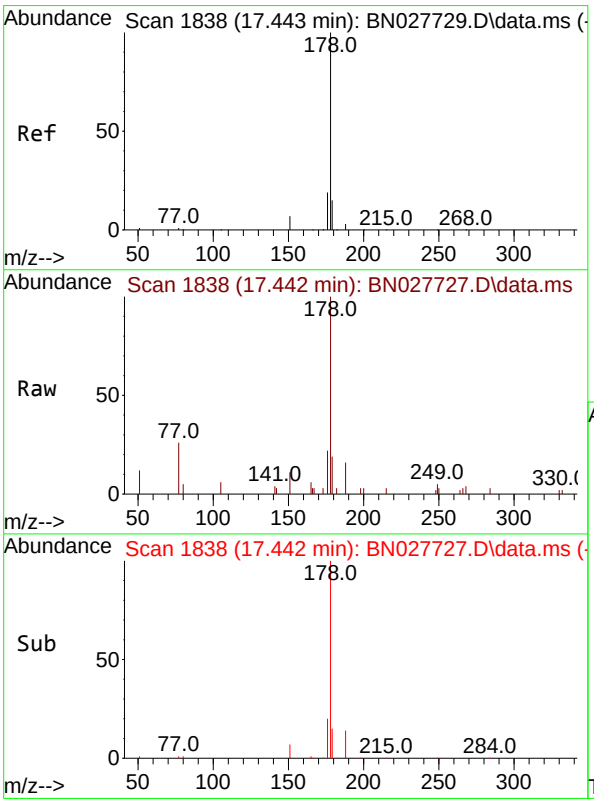
#23
Atrazine
Concen: 0.099 ng
RT: 16.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 454

Ion	Ratio	Lower	Upper
200	100		
173	42.1	27.4	41.2#
215	55.5	37.7	56.5

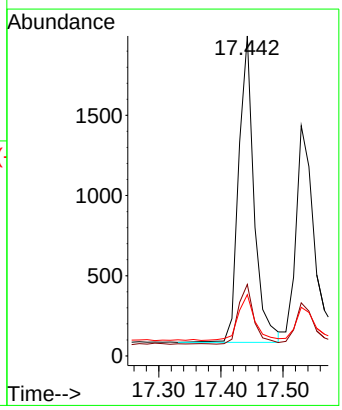


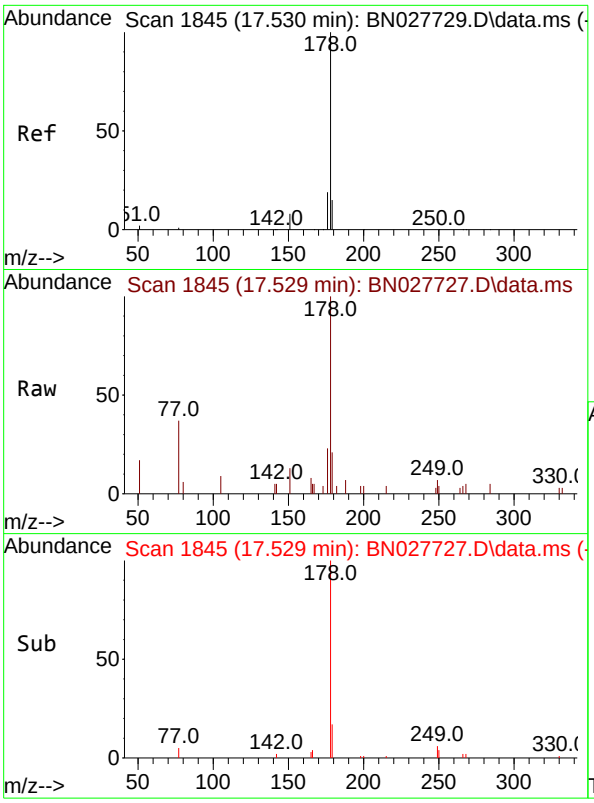


#25
Phenanthrene
Concen: 0.098 ng
RT: 17.442 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:178 Resp: 3296

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	16.0	12.3	18.5



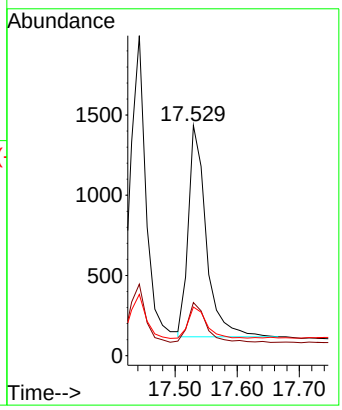


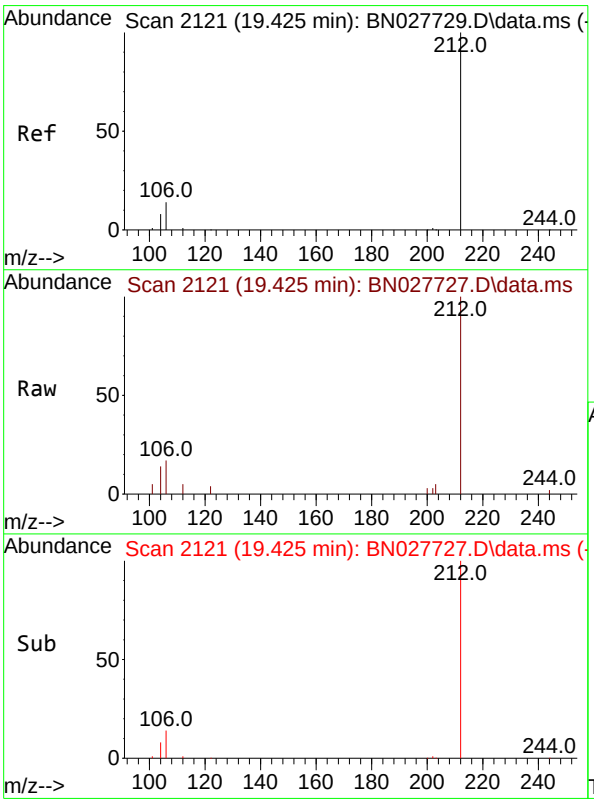
#26
Anthracene
Concen: 0.091 ng
RT: 17.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2636

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.1	12.2	18.2

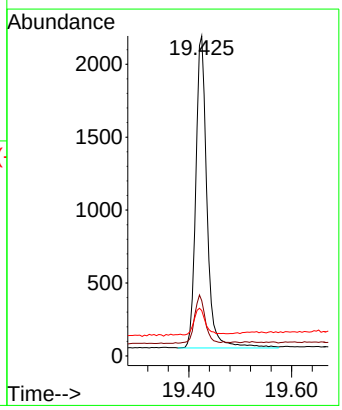


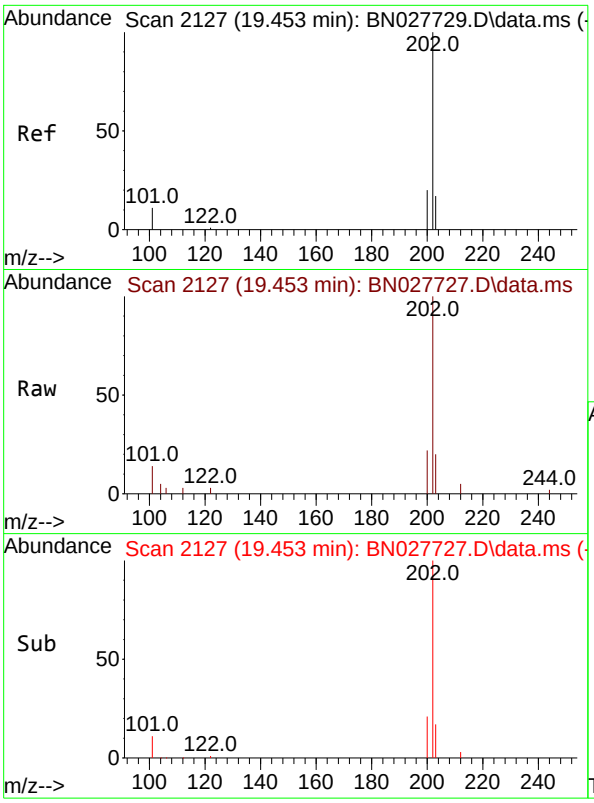


#27
Fluoranthene-d10
Concen: 0.111 ng
RT: 19.425 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:212 Resp: 3237

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.9	17.9
104	9.1	6.7	10.1



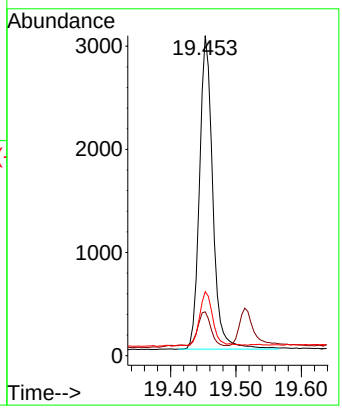


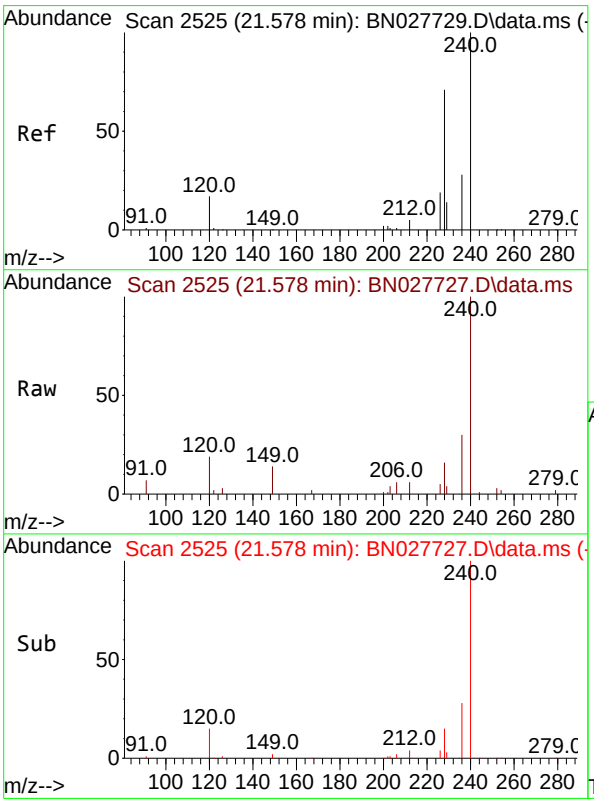
#28
Fluoranthene
Concen: 0.106 ng
RT: 19.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:202 Resp: 4283

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.6	14.4
203	18.1	13.5	20.3

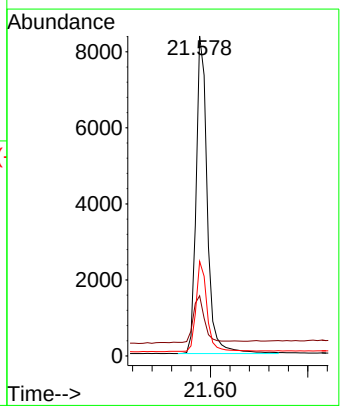


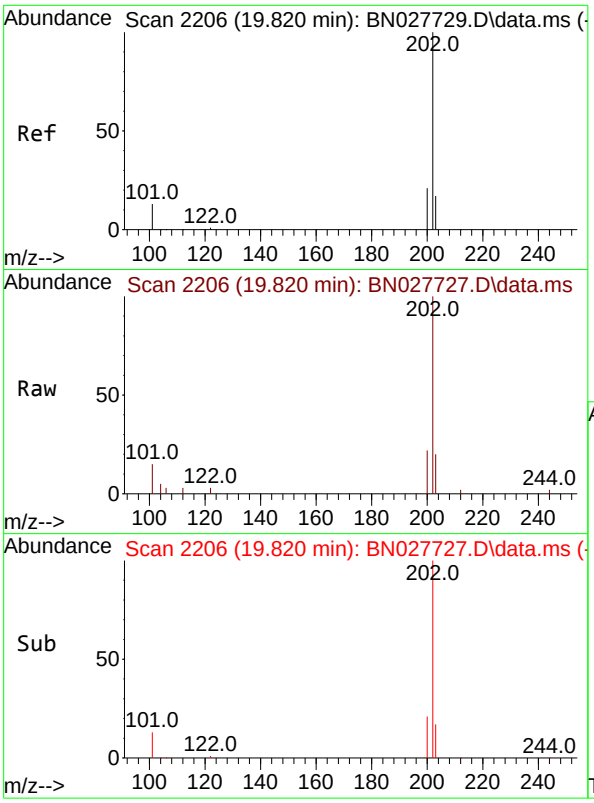


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 2525
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:240 Resp: 13262

Ion	Ratio	Lower	Upper
240	100		
120	18.8	17.2	25.8
236	29.5	23.3	34.9



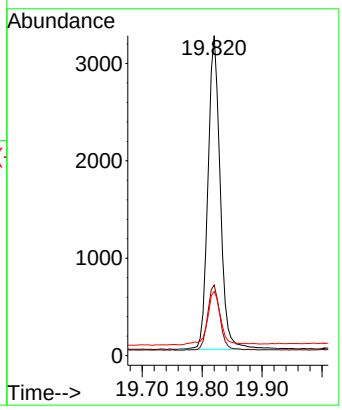


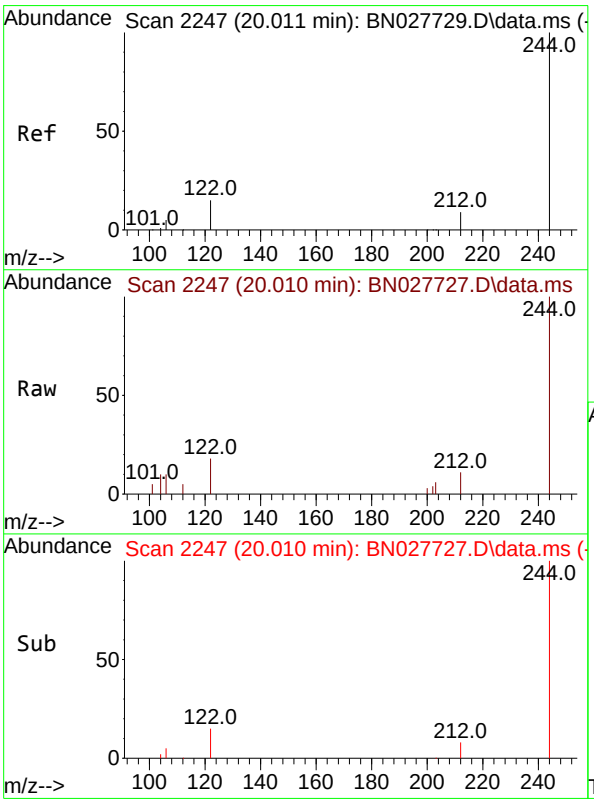
#30
Pyrene
Concen: 0.088 ng
RT: 19.820 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:202 Resp: 4579

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	18.1	14.6	21.8

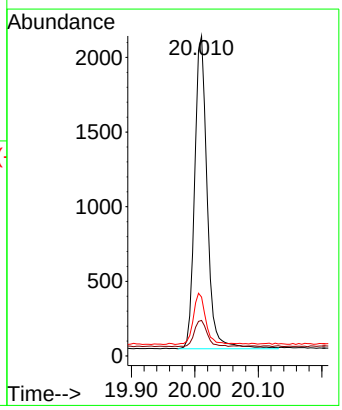


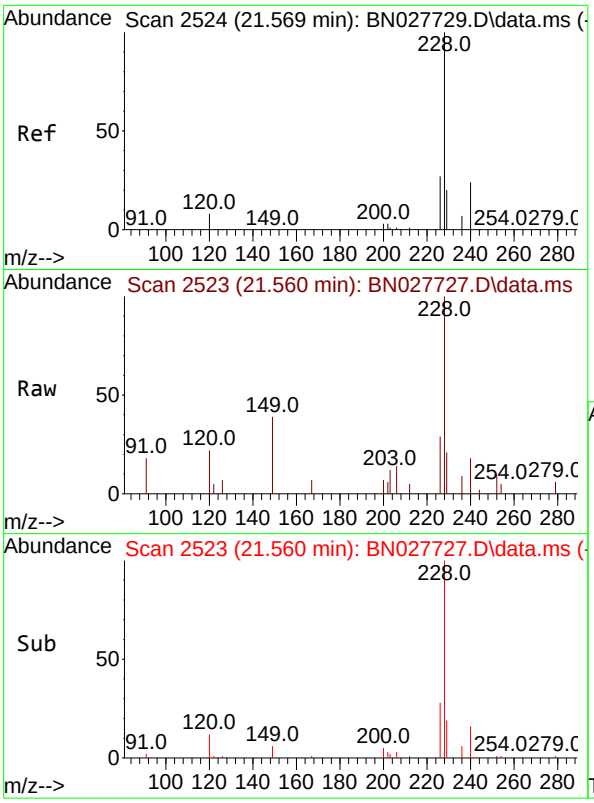


#31
Terphenyl-d14
Concen: 0.107 ng
RT: 20.010 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:244 Resp: 2856

Ion	Ratio	Lower	Upper
244	100		
212	11.1	7.5	11.3
122	18.4	12.6	19.0



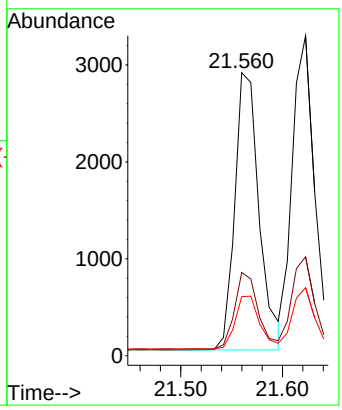


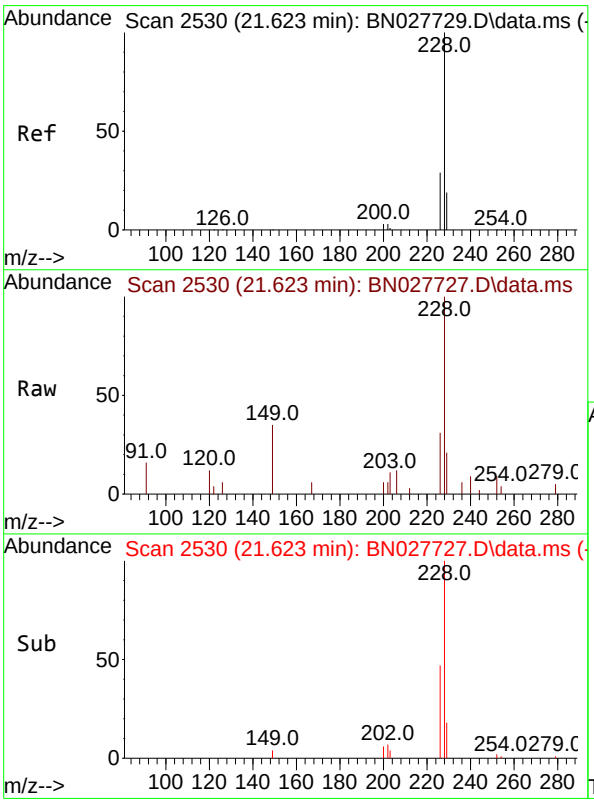
#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 21.560 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 4746

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.8	32.6
229	20.8	16.2	24.2

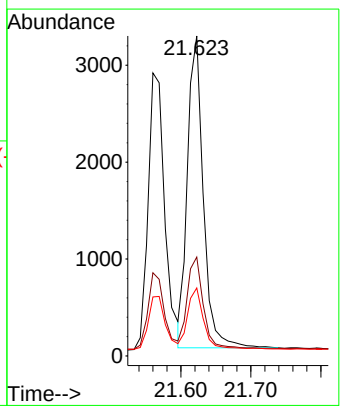


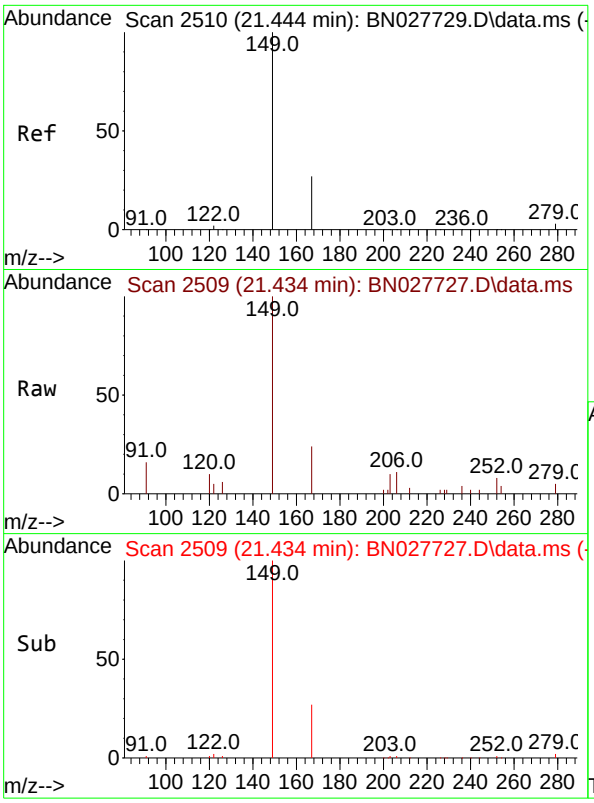


#33
Chrysene
Concen: 0.101 ng
RT: 21.623 min Scan# 2530
Delta R.T. -0.000 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:228 Resp: 5067

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	21.3	15.5	23.3



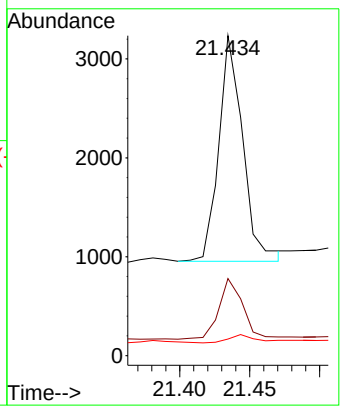


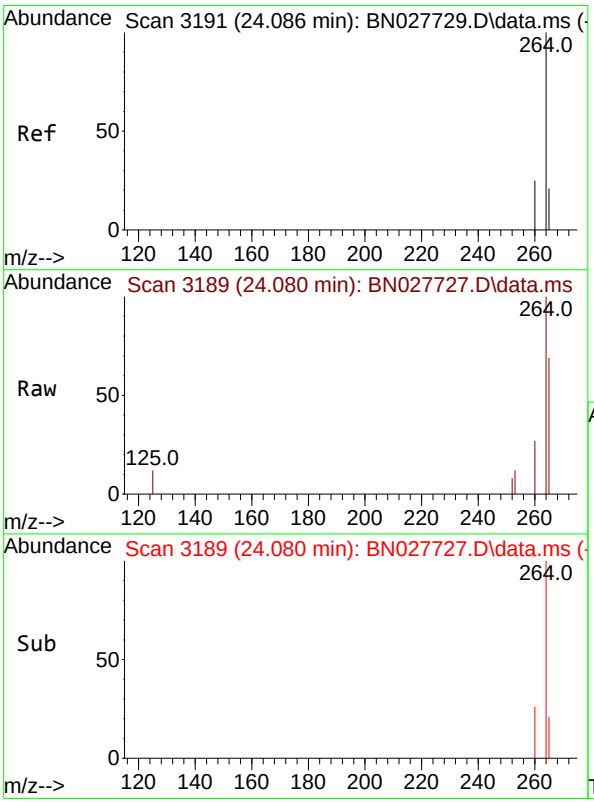
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.124 ng
RT: 21.434 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:149 Resp: 2711

Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.9	31.3
279	4.9	2.6	3.8#

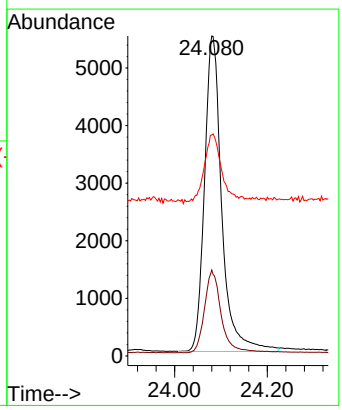


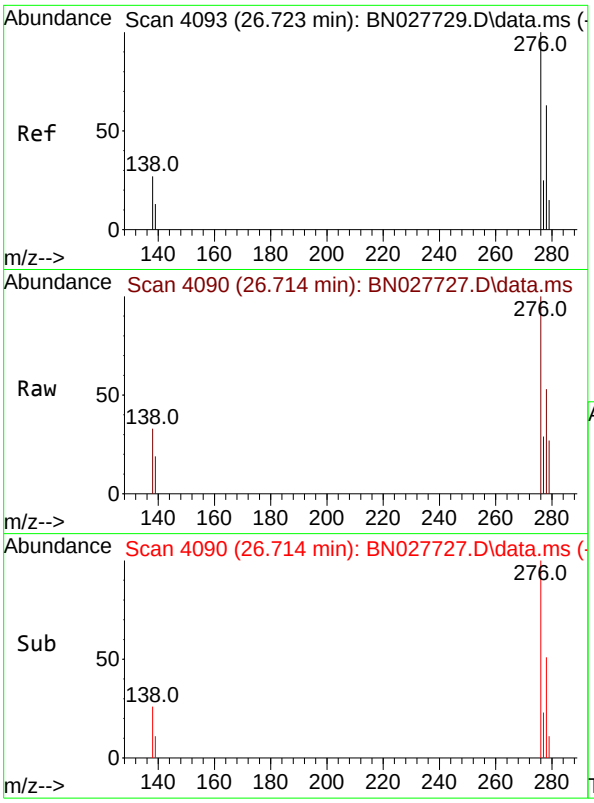


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.080 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:264 Resp: 14178

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.0	31.4
265	69.1	56.6	84.8



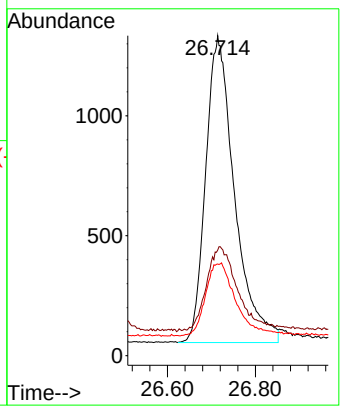


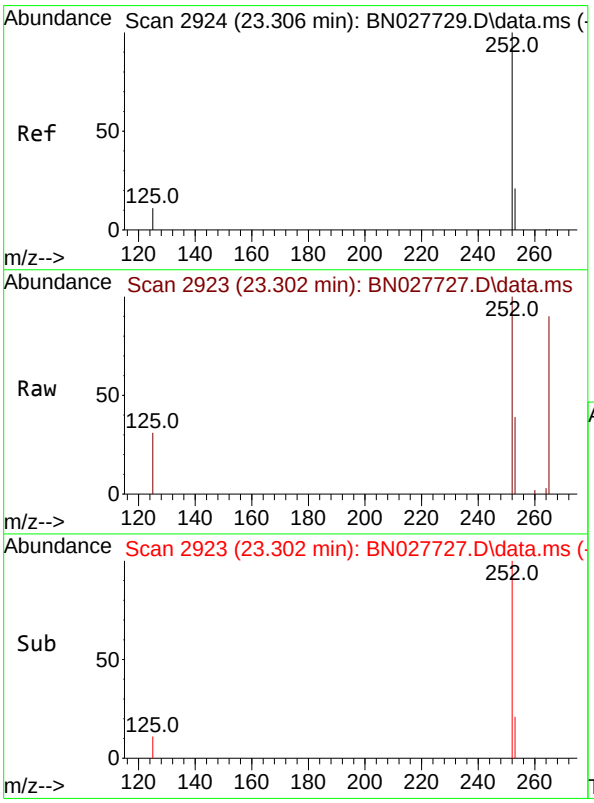
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.098 ng
RT: 26.714 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 5816

Ion	Ratio	Lower	Upper
276	100		
138	28.4	23.4	35.2
277	24.8	19.8	29.8

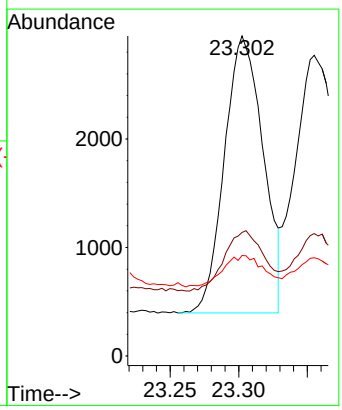


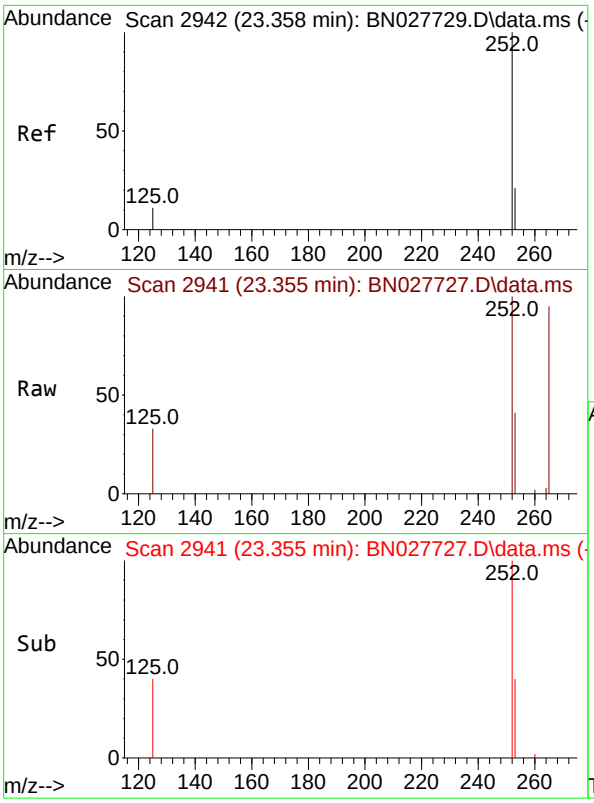


#37
Benzo(b)fluoranthene
Concen: 0.091 ng
RT: 23.302 min Scan# 2923
Delta R.T. -0.003 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:252 Resp: 5013

Ion	Ratio	Lower	Upper
252	100		
253	38.6	21.0	31.6#
125	31.4	13.2	19.8#



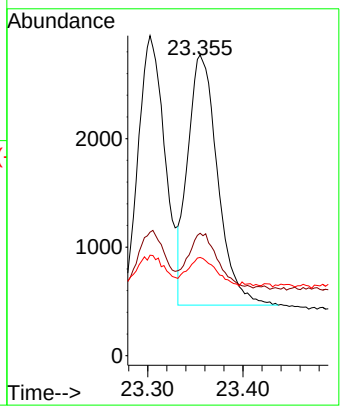


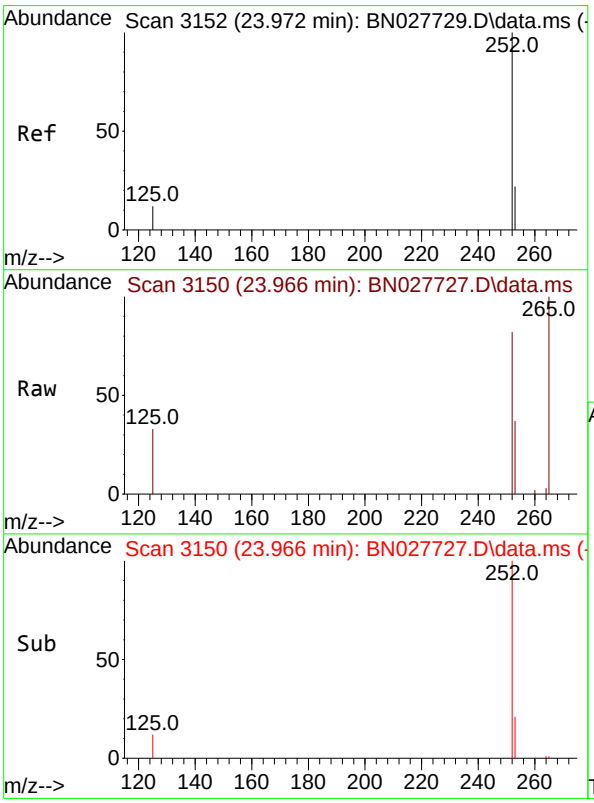
#38
Benzo(k)fluoranthene
Concen: 0.089 ng
RT: 23.355 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5045

Ion	Ratio	Lower	Upper
252	100		
253	40.7	21.0	31.6#
125	32.7	13.5	20.3#

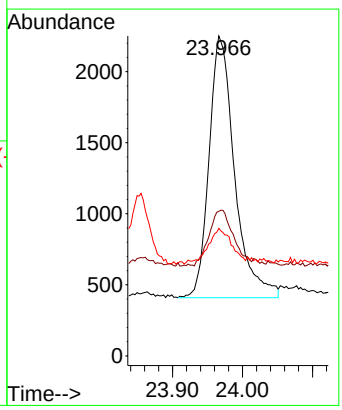


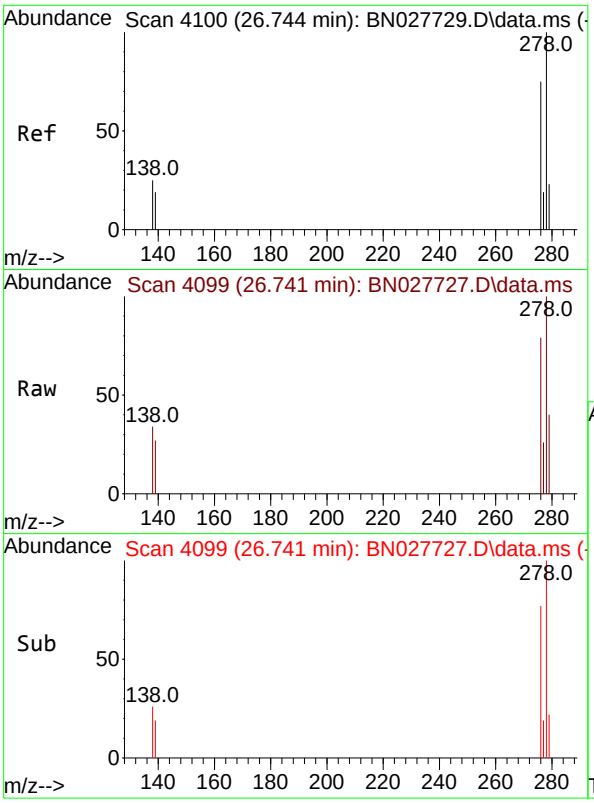


#39
Benzo(a)pyrene
Concen: 0.091 ng
RT: 23.966 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:252 Resp: 4674

Ion	Ratio	Lower	Upper
252	100		
253	45.2	22.6	34.0#
125	39.8	16.2	24.4#



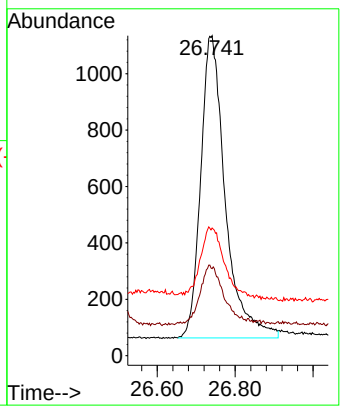


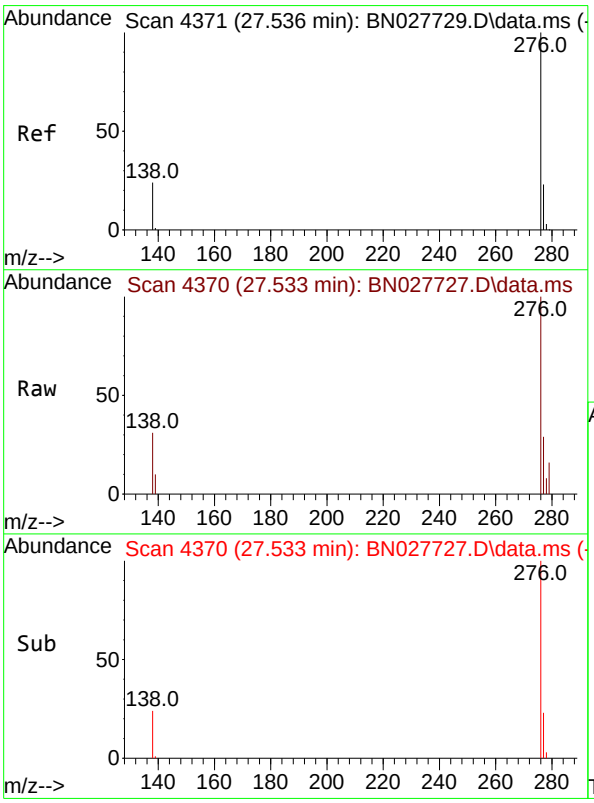
#40
Dibenzo(a,h)anthracene
Concen: 0.100 ng
RT: 26.741 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 4691

Ion	Ratio	Lower	Upper
278	100		
139	27.2	17.0	25.4#
279	39.9	21.6	32.4#





#41
Benzo(g,h,i)perylene
Concen: 0.100 ng
RT: 27.533 min Scan# 4370
Delta R.T. -0.003 min
Lab File: BN027727.D
Acq: 18 Sep 2023 10:30

Tgt Ion:276 Resp: 5339

Ion	Ratio	Lower	Upper
276	100		
277	29.1	19.4	29.0#
138	31.4	21.0	31.4