Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
Data File : BN027734.D
Acq On : 18 Sep 2023 14:51
Operator : MA/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Quant Time: Sep 18 16:01:27 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 14:40:21 2023
Response via : Initial Calibration

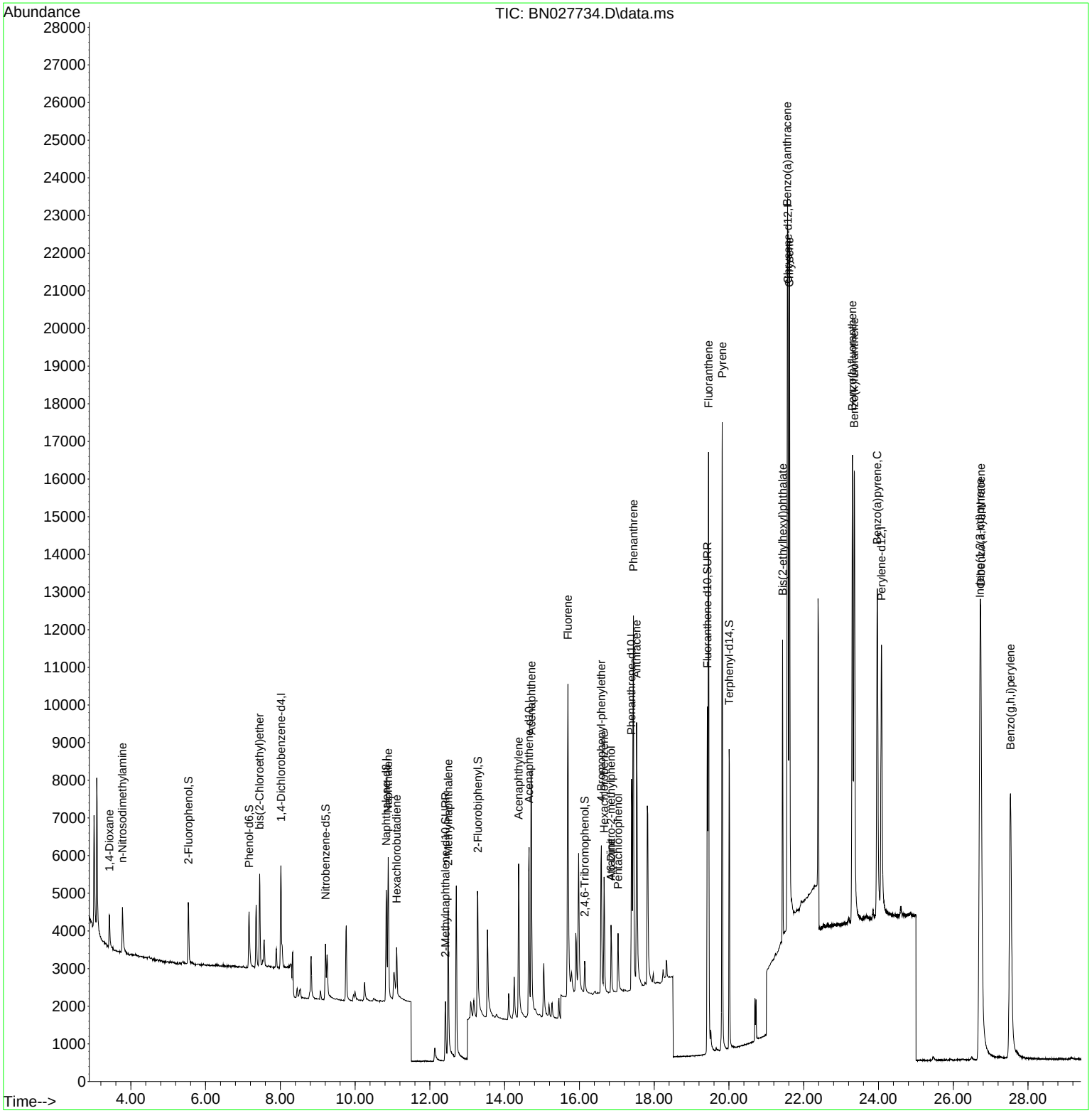
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.016	152	1407	0.400	ng		0.00
7) Naphthalene-d8	10.831	136	4649	0.400	ng	#	0.00
13) Acenaphthene-d10	14.651	164	3259	0.400	ng		0.01
19) Phenanthrene-d10	17.393	188	9518	0.400	ng	#	0.00
29) Chrysene-d12	21.578	240	11034	0.400	ng	#	0.00
35) Perylene-d12	24.081	264	11988	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.546	112	1520	0.412	ng		0.00
5) Phenol-d6	7.163	99	1754	0.389	ng		0.00
8) Nitrobenzene-d5	9.209	82	1488	0.394	ng		0.00
11) 2-Methylnaphthalene-d10	12.415	152	2788	0.407	ng		0.00
14) 2,4,6-Tribromophenol	16.140	330	576	0.378	ng		0.00
15) 2-Fluorobiphenyl	13.283	172	4454	0.401	ng		0.01
27) Fluoranthene-d10	19.426	212	11101	0.417	ng		0.00
31) Terphenyl-d14	20.006	244	8322	0.402	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.430	88	750	0.456	ng		95
3) n-Nitrosodimethylamine	3.776	42	881	0.437	ng	#	97
6) bis(2-Chloroethyl)ether	7.445	93	1919	0.433	ng		99
9) Naphthalene	10.885	128	5445	0.425	ng		95
10) Hexachlorobutadiene	11.109	225	975	0.442	ng	#	100
12) 2-Methylnaphthalene	12.491	142	3750	0.418	ng		97
16) Acenaphthylene	14.373	152	5710	0.412	ng		99
17) Acenaphthene	14.715	154	4123	0.428	ng		97
18) Fluorene	15.693	166	6196	0.436	ng		99
20) 4,6-Dinitro-2-methylph...	16.847	198	68	0.461	ng	#	1
21) 4-Bromophenyl-phenylether	16.586	248	1936	0.400	ng	#	79
22) Hexachlorobenzene	16.661	284	2299	0.423	ng		98
23) Atrazine	16.847	200	1550	0.395	ng	#	94
24) Pentachlorophenol	17.033	266	932	0.346	ng		99
25) Phenanthrene	17.443	178	11459	0.414	ng		99
26) Anthracene	17.530	178	9487	0.398	ng		99
28) Fluoranthene	19.453	202	15032	0.415	ng		100
30) Pyrene	19.820	202	15729	0.418	ng		100
32) Benzo(a)anthracene	21.560	228	16588	0.420	ng		98
33) Chrysene	21.614	228	17790	0.426	ng		99
34) Bis(2-ethylhexyl)phtha...	21.435	149	6764	0.364	ng		99
36) Indeno(1,2,3-cd)pyrene	26.715	276	21175	0.391	ng		100
37) Benzo(b)fluoranthene	23.303	252	18448	0.415	ng	#	89
38) Benzo(k)fluoranthene	23.353	252	18428	0.406	ng	#	88
39) Benzo(a)pyrene	23.967	252	17166	0.406	ng	#	84
40) Dibenzo(a,h)anthracene	26.738	278	17513	0.395	ng		94
41) Benzo(g,h,i)perylene	27.530	276	19692	0.409	ng		96

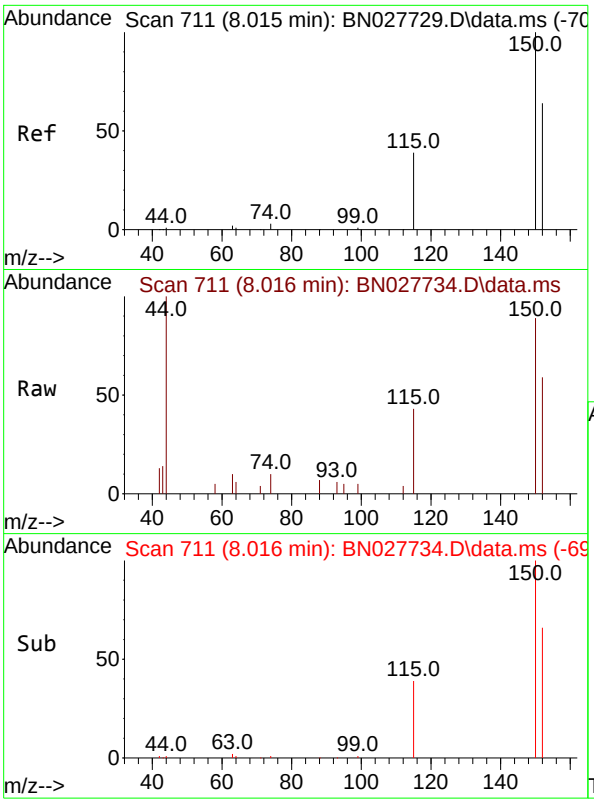
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
Data File : BN027734.D
Acq On : 18 Sep 2023 14:51
Operator : MA/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Quant Time: Sep 18 16:01:27 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 14:40:21 2023
Response via : Initial Calibration



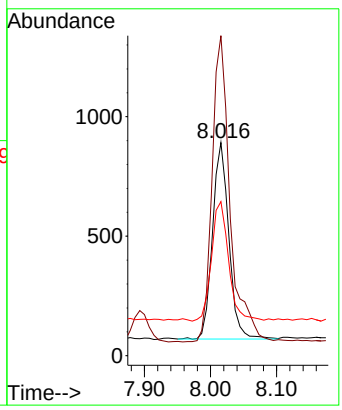


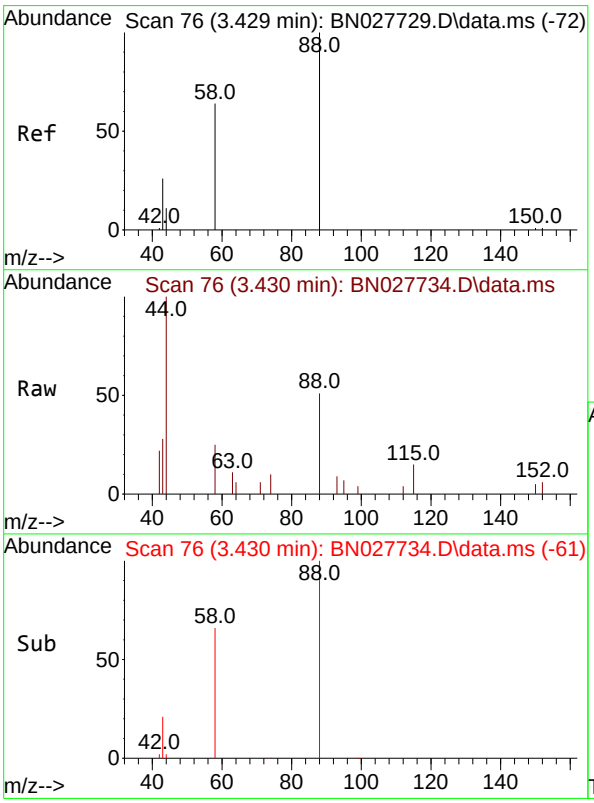
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.016 min Scan# 7
Delta R.T. 0.001 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:152 Resp: 1407

Ion	Ratio	Lower	Upper
152	100		
150	150.1	119.2	178.8
115	72.3	53.8	80.8

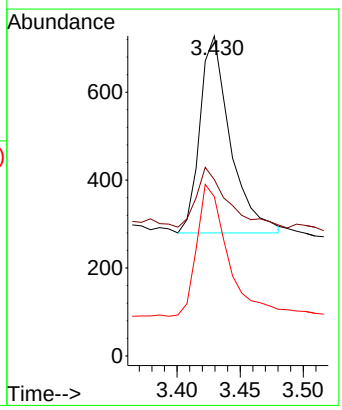


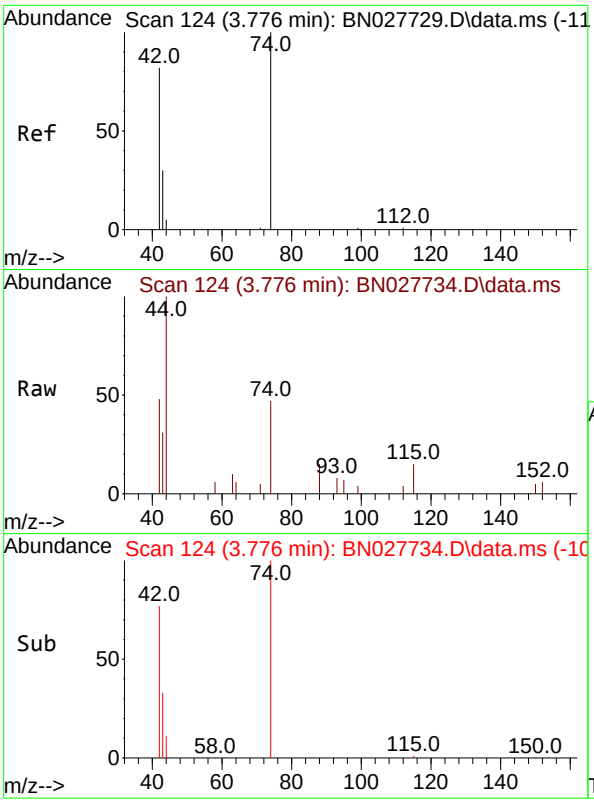


#2
1,4-Dioxane
Concen: 0.456 ng
RT: 3.430 min Scan# 76
Delta R.T. 0.007 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion: 88 Resp: 750

Ion	Ratio	Lower	Upper
88	100		
43	30.4	21.5	32.3
58	71.7	54.4	81.6



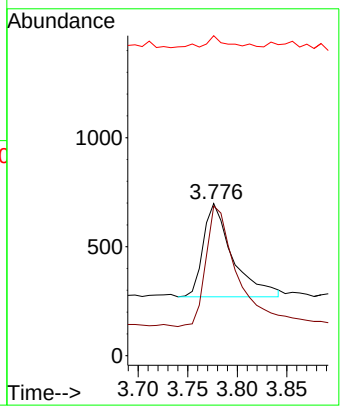


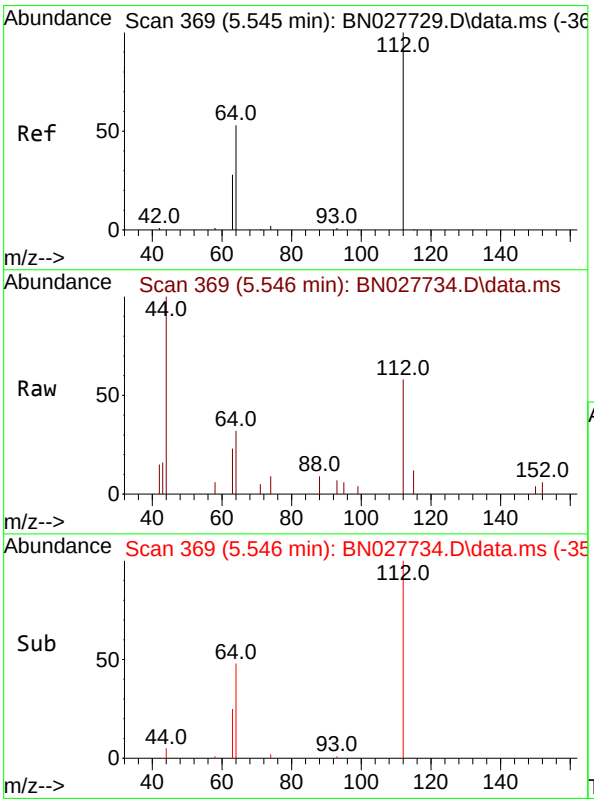
#3
n-Nitrosodimethylamine
Concen: 0.437 ng
RT: 3.776 min Scan# 1
Delta R.T. 0.007 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion: 42 Resp: 881

Ion	Ratio	Lower	Upper
42	100		
74	135.2	105.8	158.8
44	9.4	5.0	7.4#

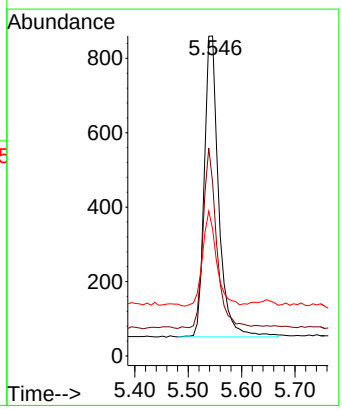


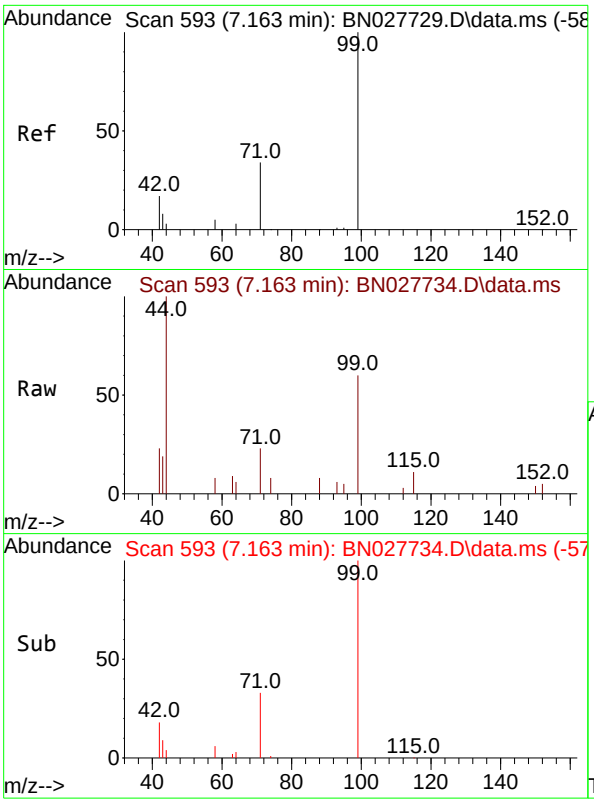


#4
2-Fluorophenol
Concen: 0.412 ng
RT: 5.546 min Scan# 369
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:112 Resp: 1520

Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.0	67.6
63	30.8	24.1	36.1



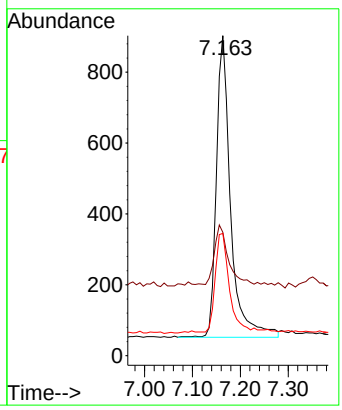


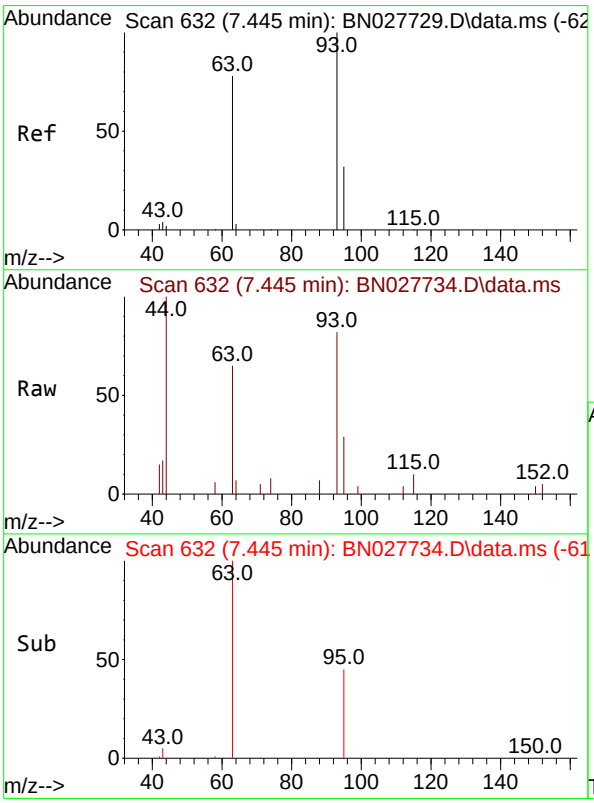
#5
Phenol-d6
Concen: 0.389 ng
RT: 7.163 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion: 99 Resp: 1754

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.8	23.8
71	33.3	27.3	40.9

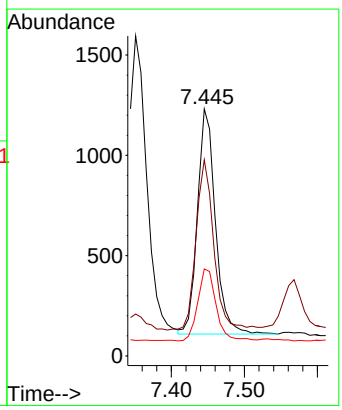


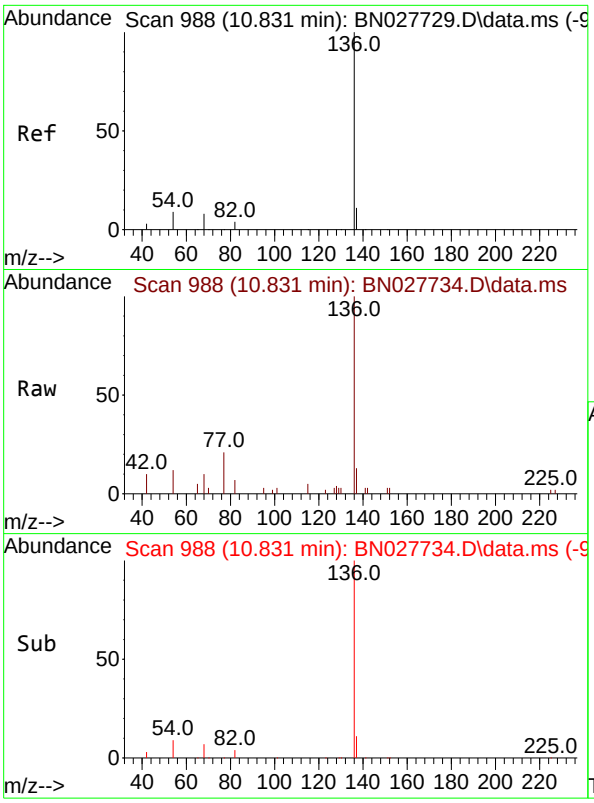


#6
bis(2-Chloroethyl)ether
Concen: 0.433 ng
RT: 7.445 min Scan# 632
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion: 93 Resp: 1919

Ion	Ratio	Lower	Upper
93	100		
63	75.0	59.3	88.9
95	32.7	26.0	39.0



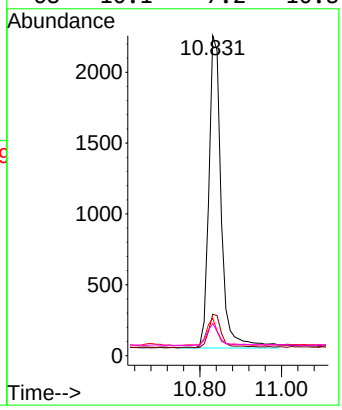


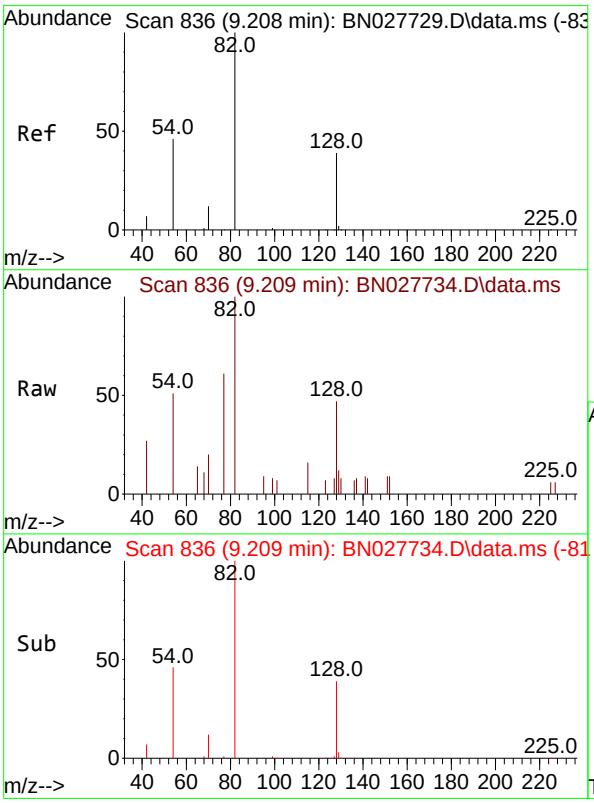
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:136 Resp: 4649

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.8	14.8
54	11.7	7.8	11.6#
68	10.1	7.2	10.8

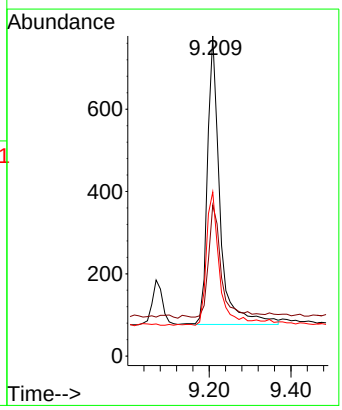


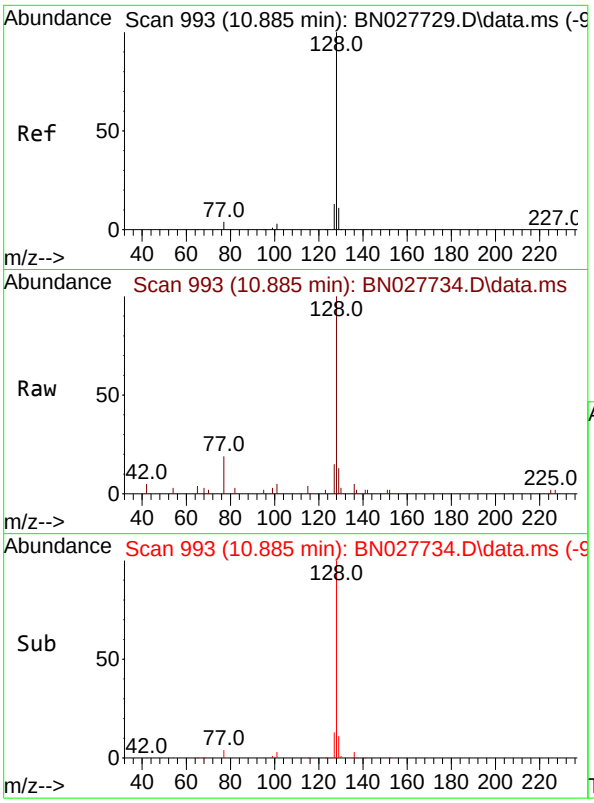


#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 9.209 min Scan# 836
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion: 82 Resp: 1488

Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.1	52.7
54	51.3	35.1	52.7



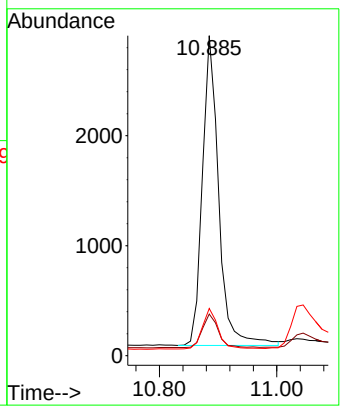


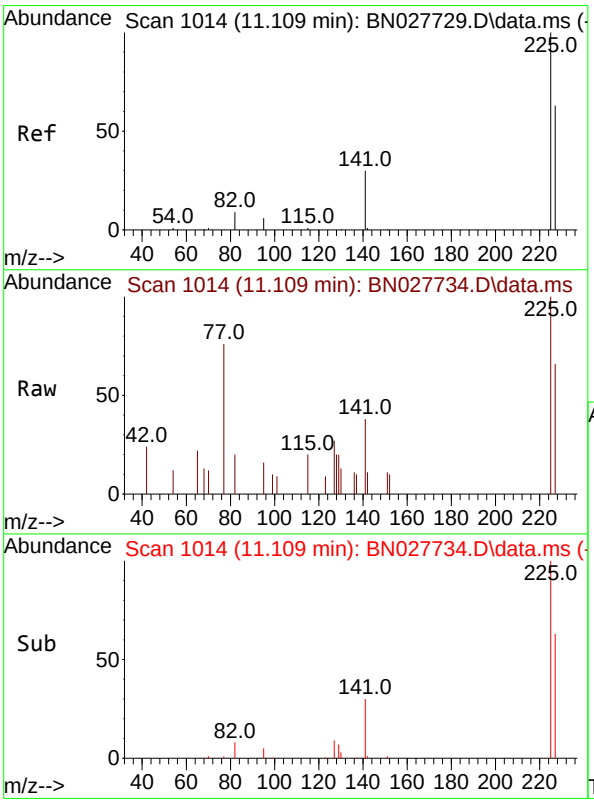
#9
Naphthalene
Concen: 0.425 ng
RT: 10.885 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:128 Resp: 5445

Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.9	13.3
127	14.7	10.4	15.6

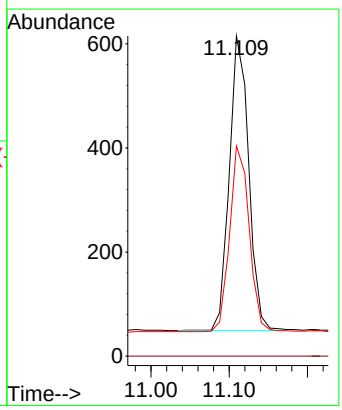


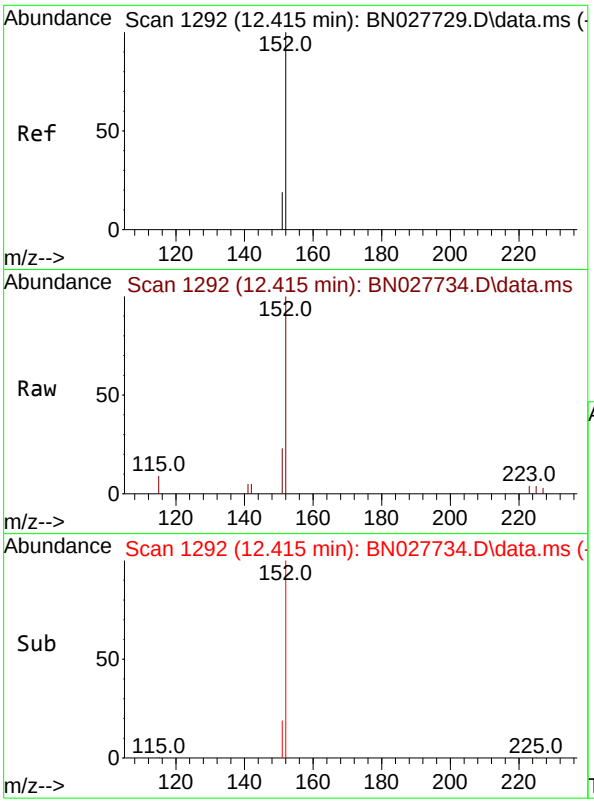


#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 11.109 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:225 Resp: 975

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.6	76.0



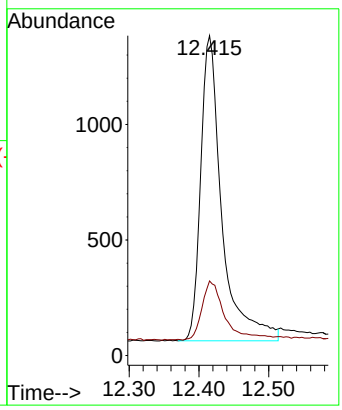


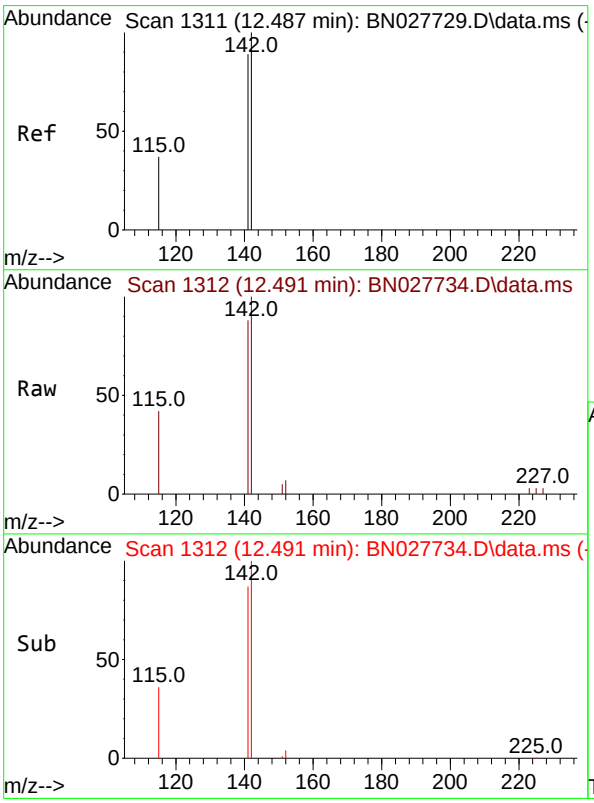
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.415 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:152 Resp: 2788

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.5	24.7

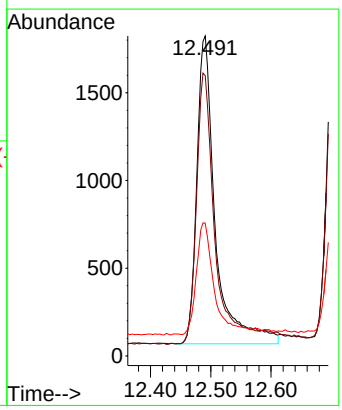


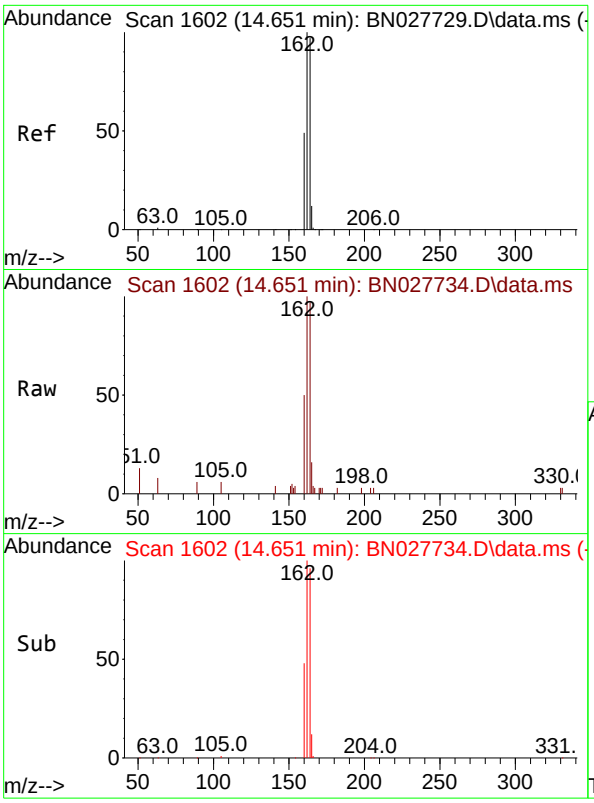


#12
2-Methylnaphthalene
Concen: 0.418 ng
RT: 12.491 min Scan# 1312
Delta R.T. 0.008 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:142 Resp: 3750

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	41.5	29.4	44.0



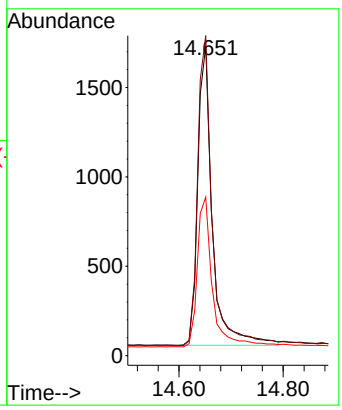


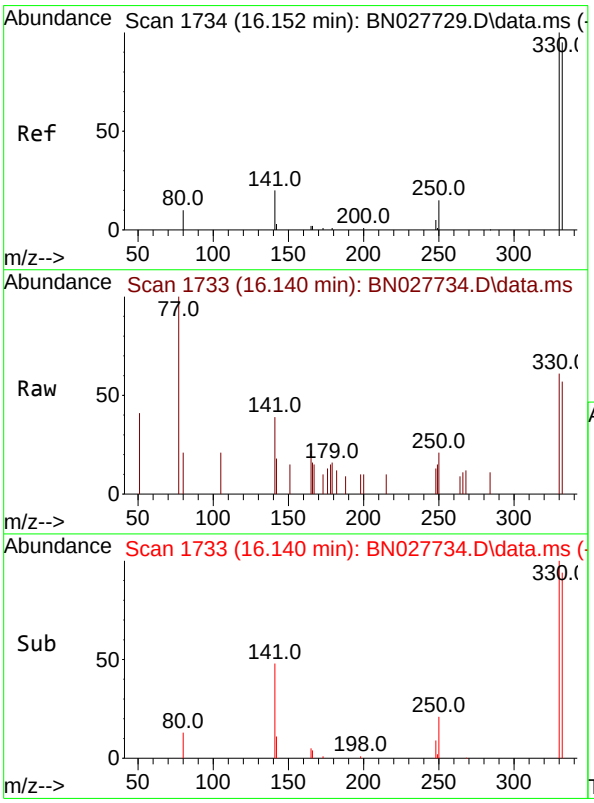
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.651 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:164 Resp: 3259

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.4	125.2
160	51.2	41.0	61.4

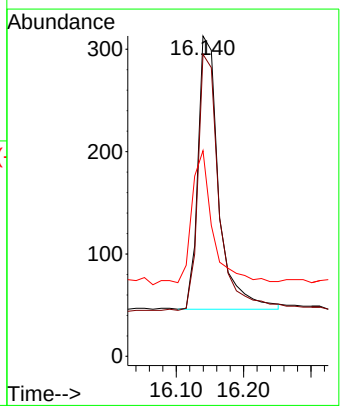


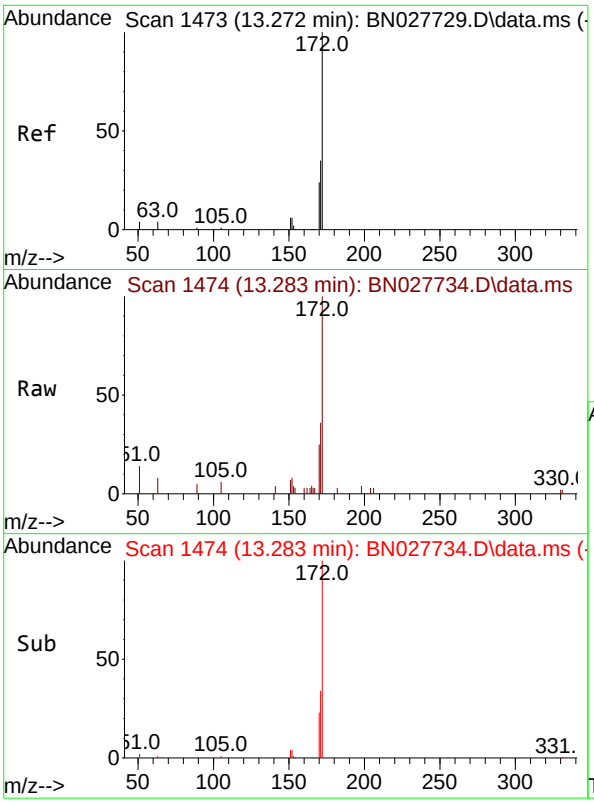


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 16.140 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:330 Resp: 576

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.6	115.0
141	45.5	38.2	57.2



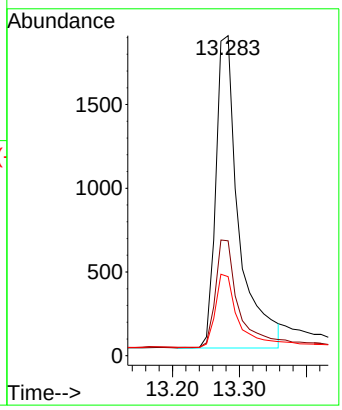


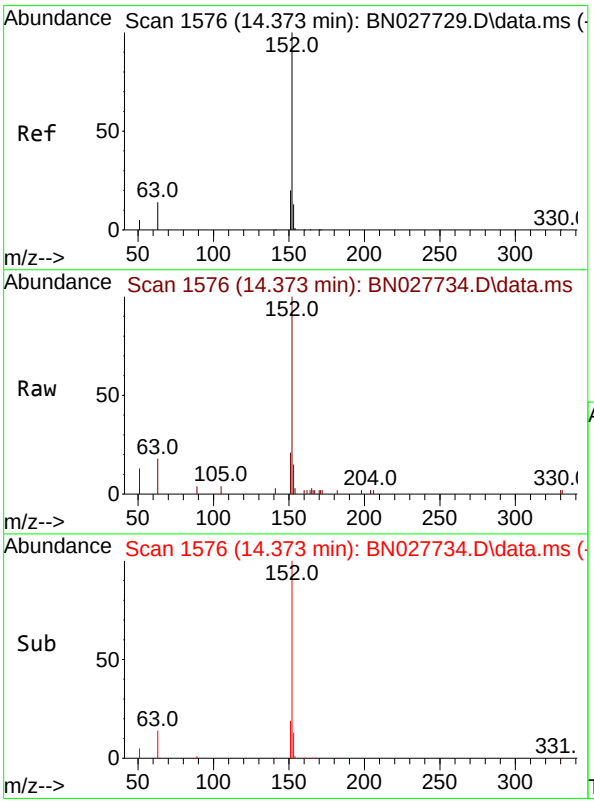
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.283 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:172 Resp: 4454

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.6	41.4
170	24.7	18.7	28.1

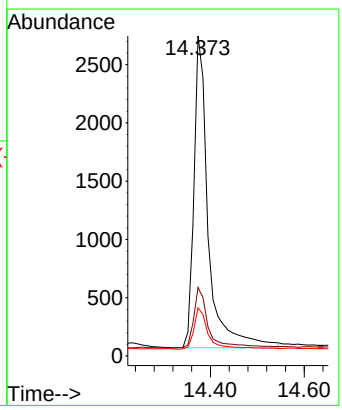


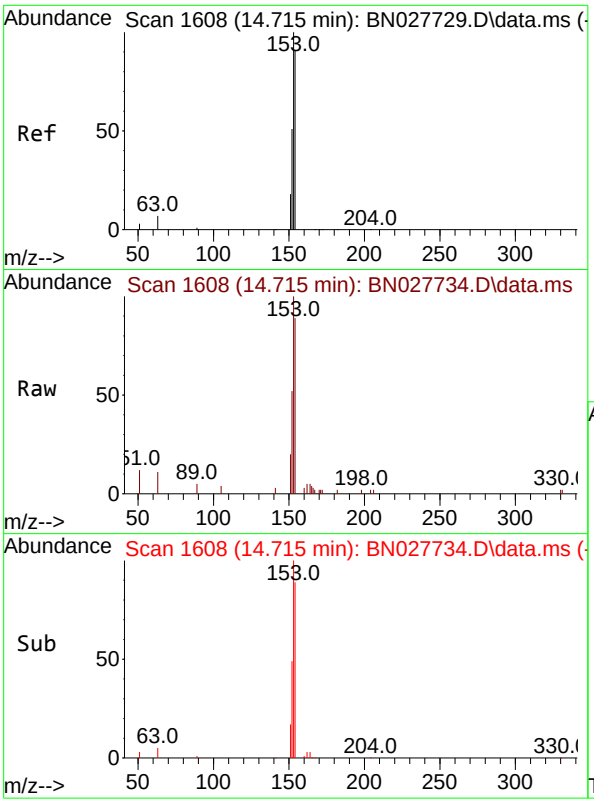


#16
Acenaphthylene
Concen: 0.412 ng
RT: 14.373 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:152 Resp: 5710

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.6	10.3	15.5



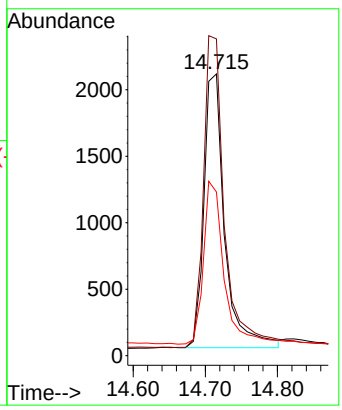


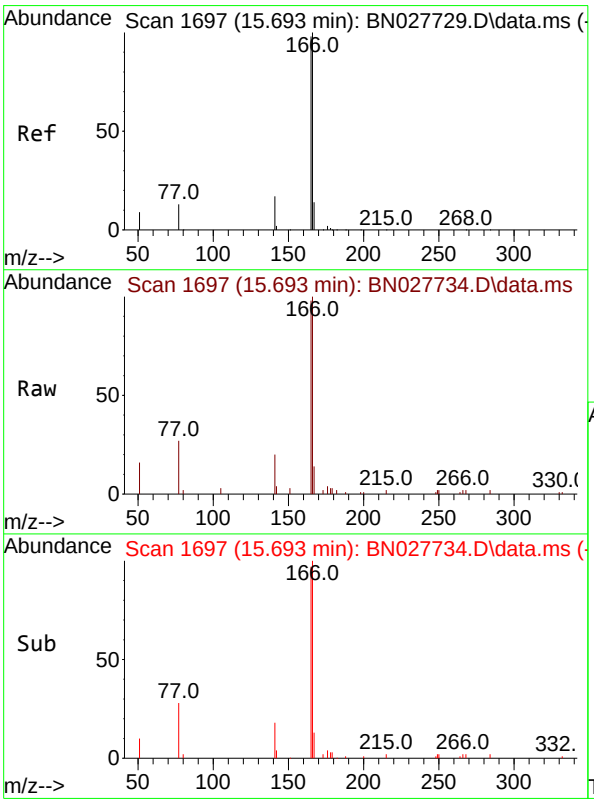
#17
Acenaphthene
Concen: 0.428 ng
RT: 14.715 min Scan# 1(
Delta R.T. 0.011 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:154 Resp: 4123

Ion	Ratio	Lower	Upper
154	100		
153	119.6	92.0	138.0
152	59.9	47.0	70.6

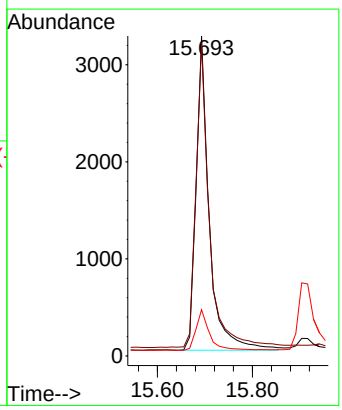


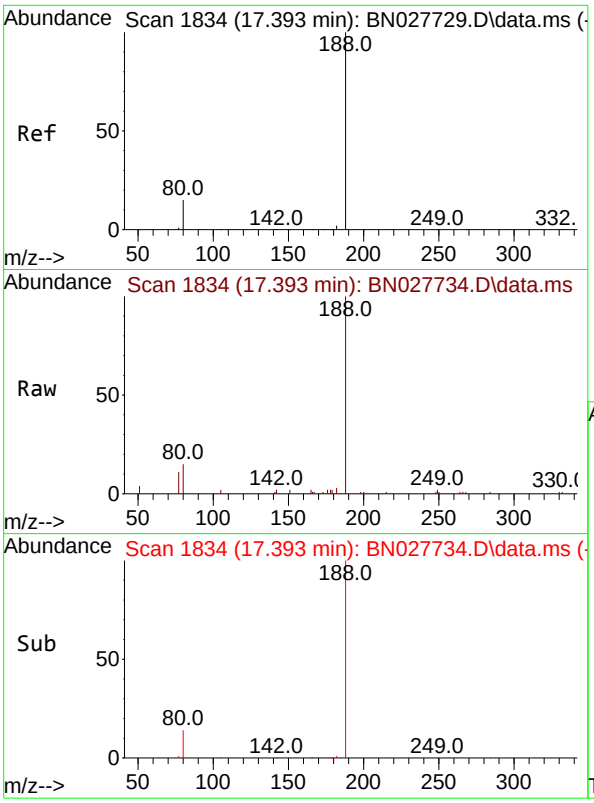


#18
Fluorene
Concen: 0.436 ng
RT: 15.693 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:166 Resp: 6196

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.4	117.6
167	13.5	10.7	16.1



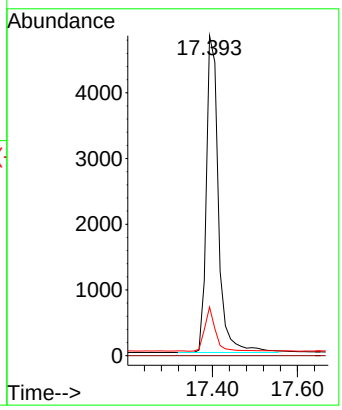


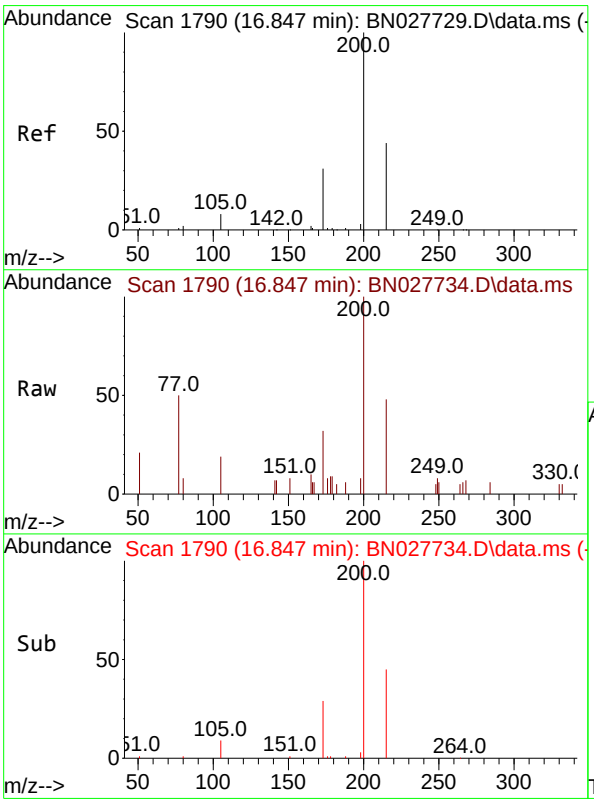
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:188 Resp: 9518

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.2	9.5	14.3#

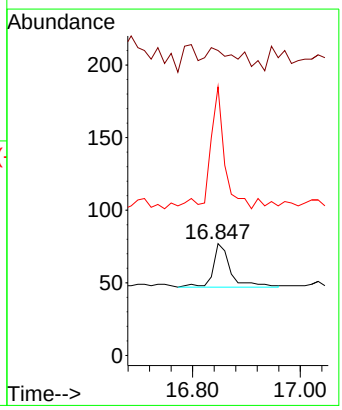


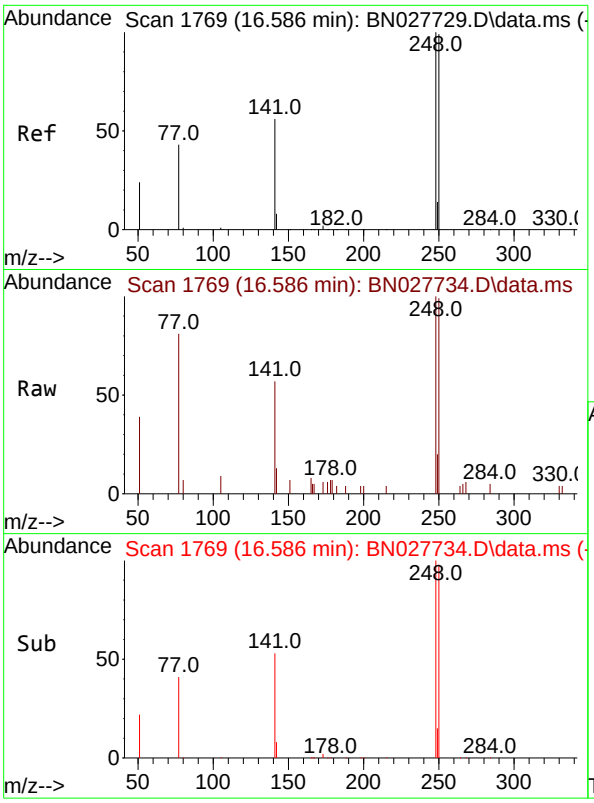


#20
4,6-Dinitro-2-methylphenol
Concen: 0.461 ng
RT: 16.847 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:198 Resp: 68

Ion	Ratio	Lower	Upper
198	100		
51	272.7	30.0	45.0#
105	240.3	145.9	218.9#



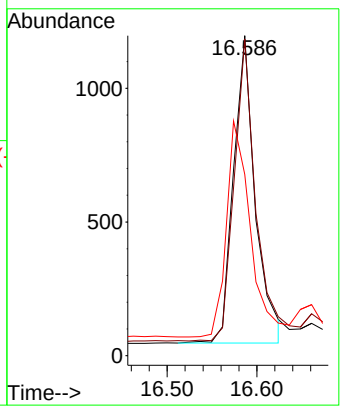


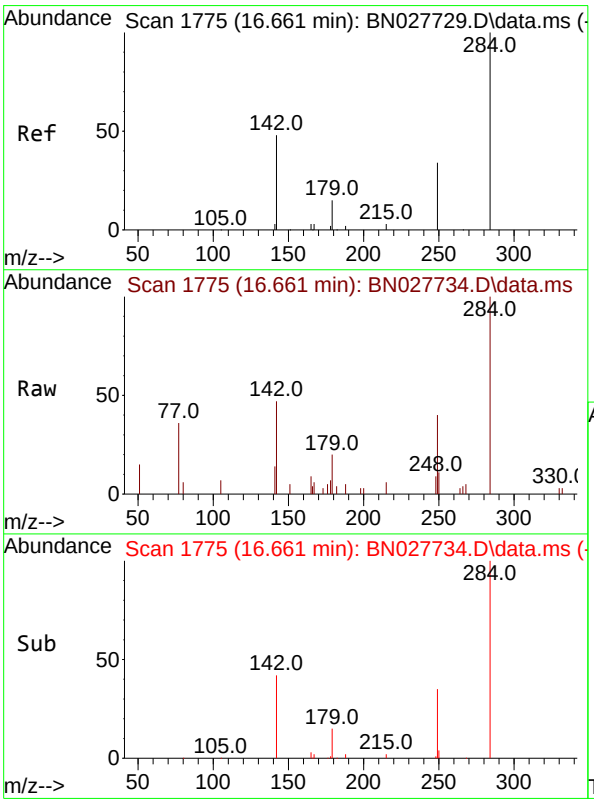
#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.586 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:248 Resp: 1936

Ion	Ratio	Lower	Upper
248	100		
250	99.0	74.2	111.4
141	56.6	72.7	109.1#

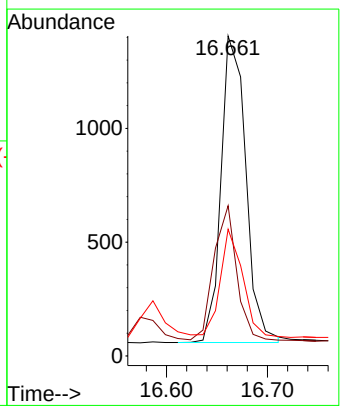


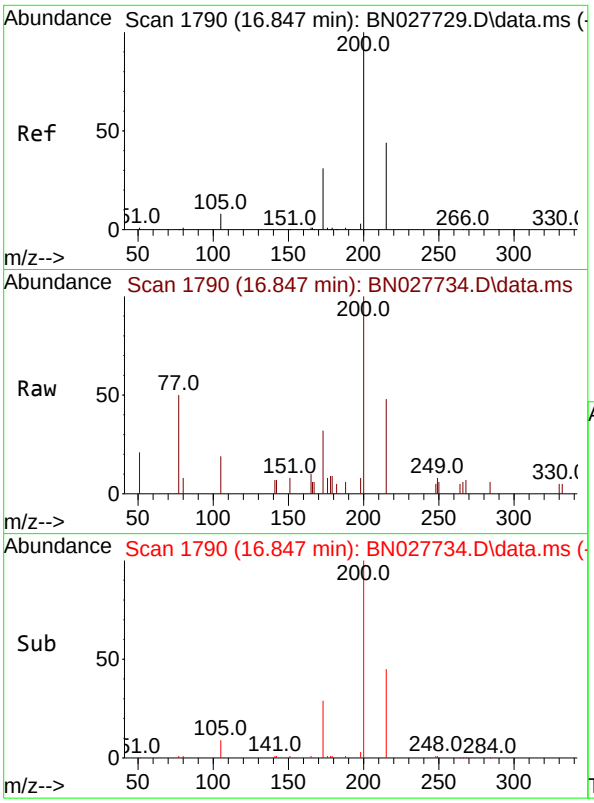


#22
Hexachlorobenzene
Concen: 0.423 ng
RT: 16.661 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:284 Resp: 2299

Ion	Ratio	Lower	Upper
284	100		
142	40.1	33.4	50.2
249	31.4	25.4	38.2



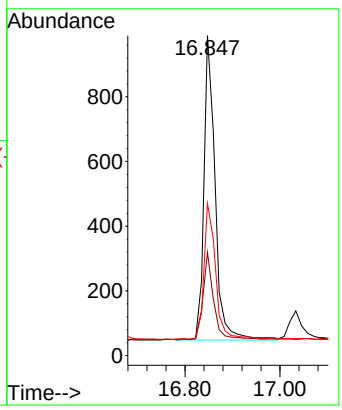


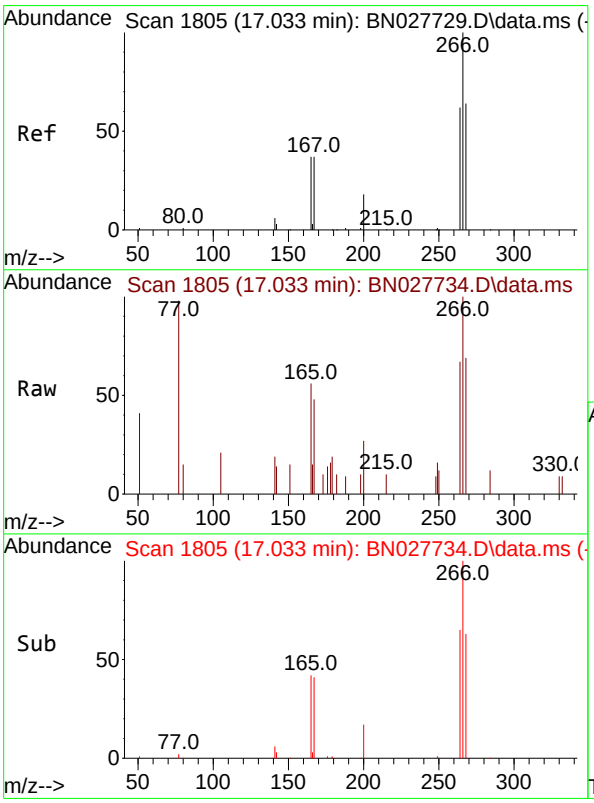
#23
Atrazine
Concen: 0.395 ng
RT: 16.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:200 Resp: 1550

Ion	Ratio	Lower	Upper
200	100		
173	32.3	20.5	30.7#
215	47.5	37.0	55.6

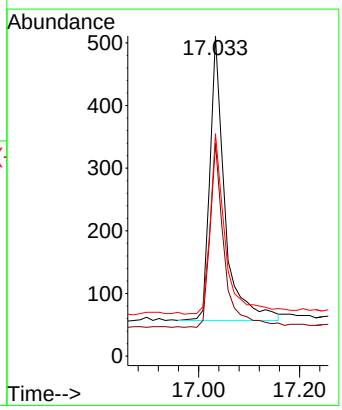


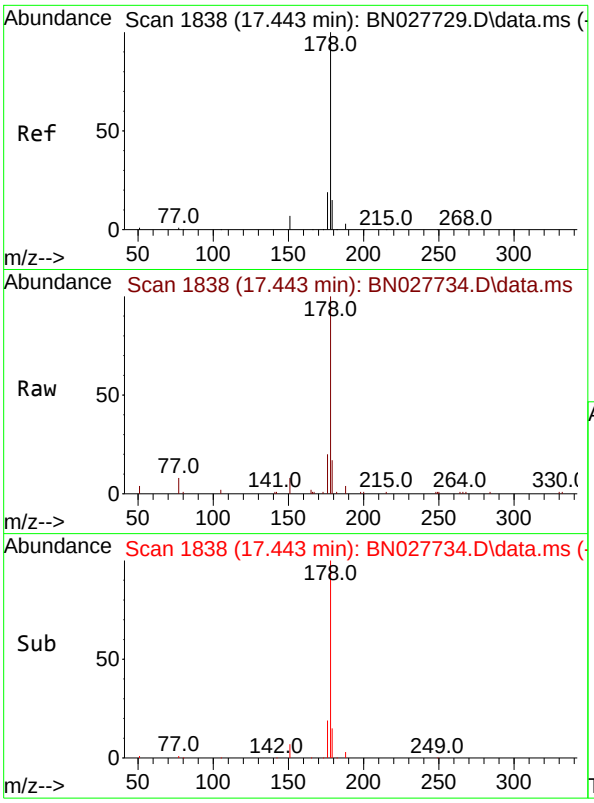


#24
Pentachlorophenol
Concen: 0.346 ng
RT: 17.033 min Scan# 1805
Delta R.T. 0.012 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:266 Resp: 932

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.0	75.0
268	64.3	50.7	76.1



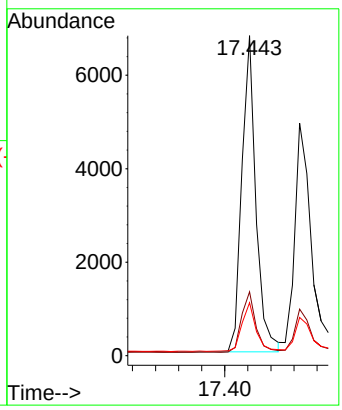


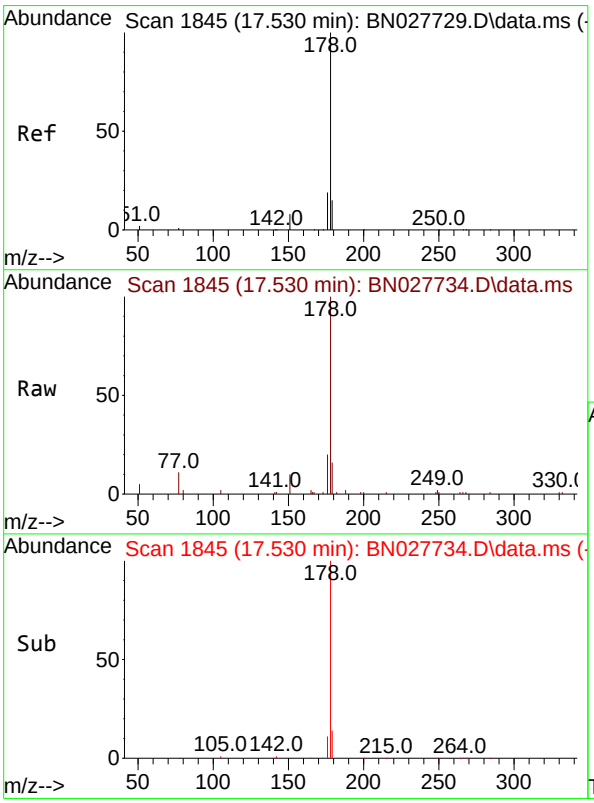
#25
Phenanthrene
Concen: 0.414 ng
RT: 17.443 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:178 Resp: 11459

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.2	18.2

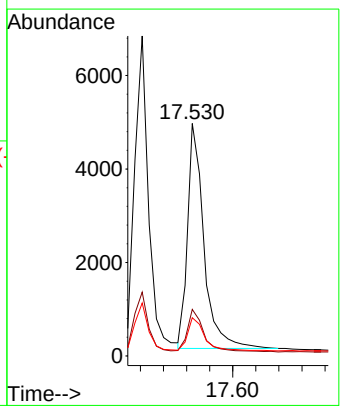


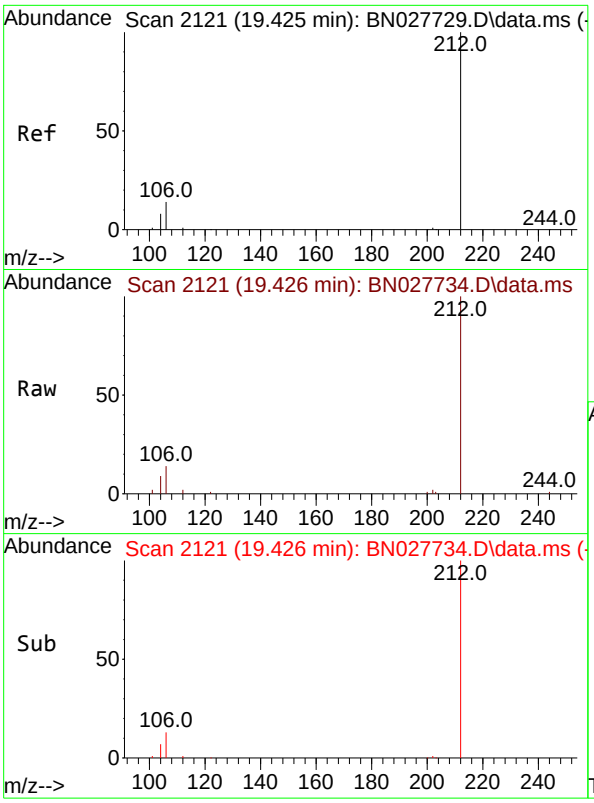


#26
Anthracene
Concen: 0.398 ng
RT: 17.530 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:178 Resp: 9487

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.9	22.3
179	15.3	12.2	18.2



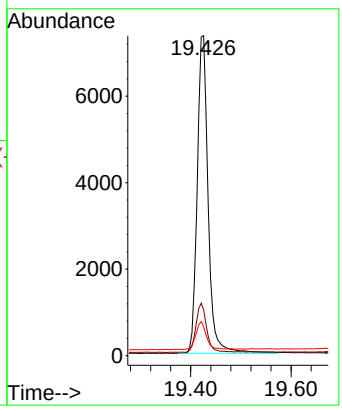


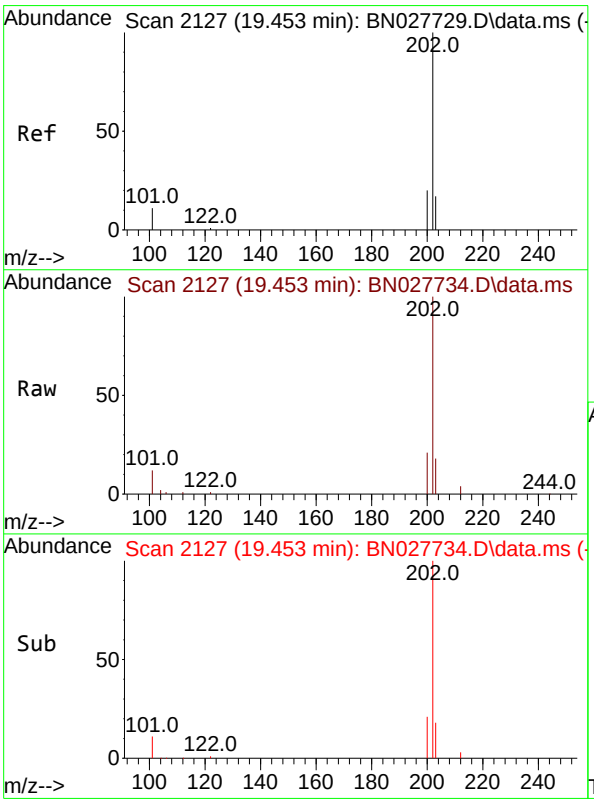
#27
Fluoranthene-d10
Concen: 0.417 ng
RT: 19.426 min Scan# 21
Delta R.T. 0.005 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:212 Resp: 11101

Ion	Ratio	Lower	Upper
212	100		
106	15.2	11.9	17.9
104	8.3	6.7	10.1

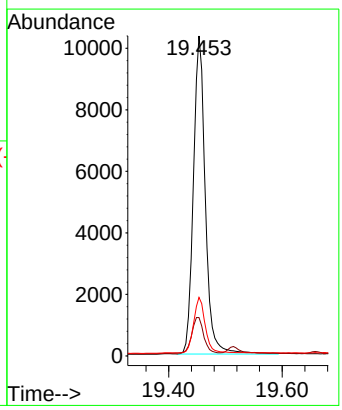


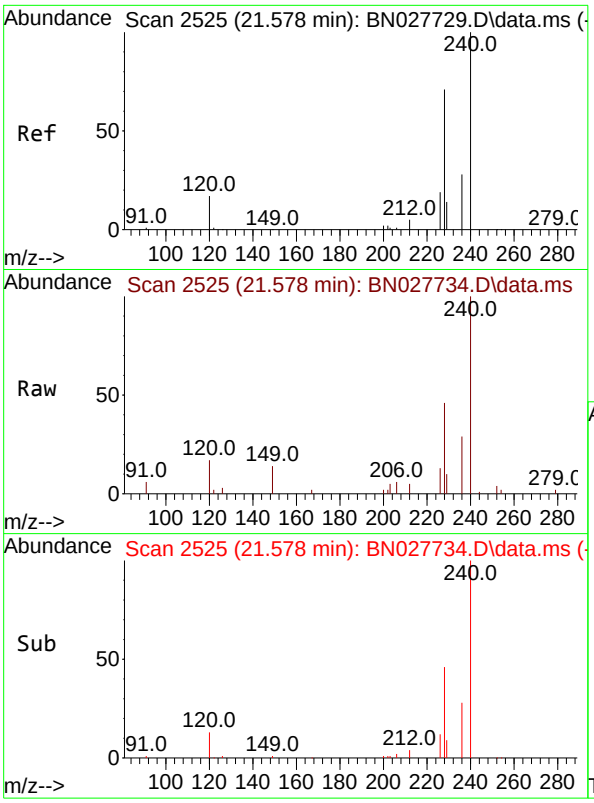


#28
Fluoranthene
Concen: 0.415 ng
RT: 19.453 min Scan# 2127
Delta R.T. 0.005 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:202 Resp: 15032

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.5	14.3
203	17.0	13.8	20.8



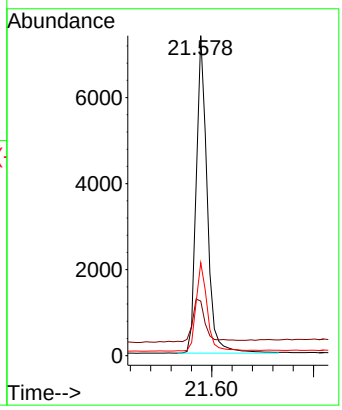


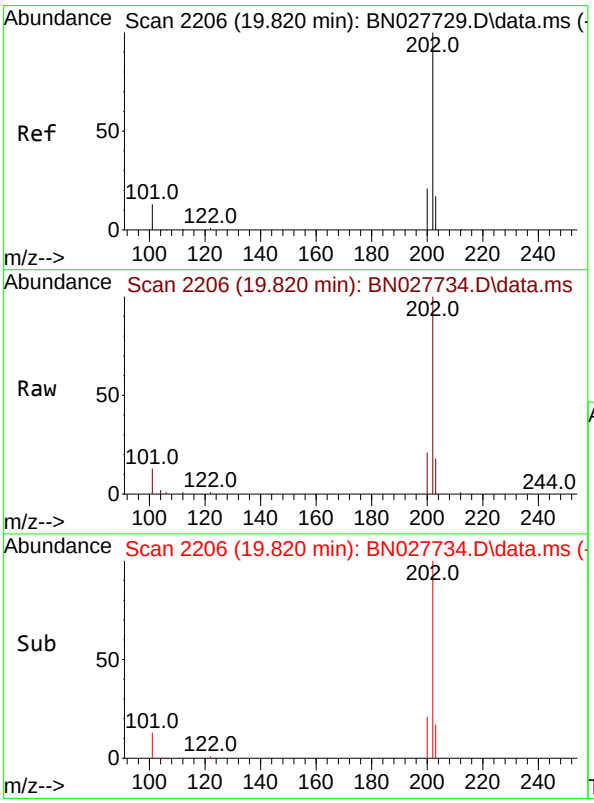
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:240 Resp: 11034

Ion	Ratio	Lower	Upper
240	100		
120	17.0	10.7	16.1#
236	29.0	22.4	33.6

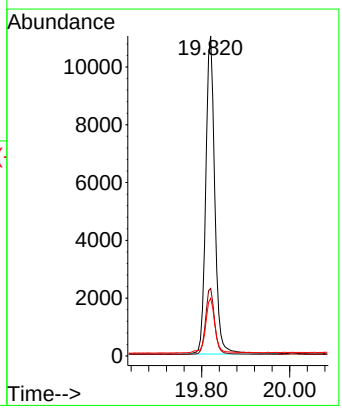


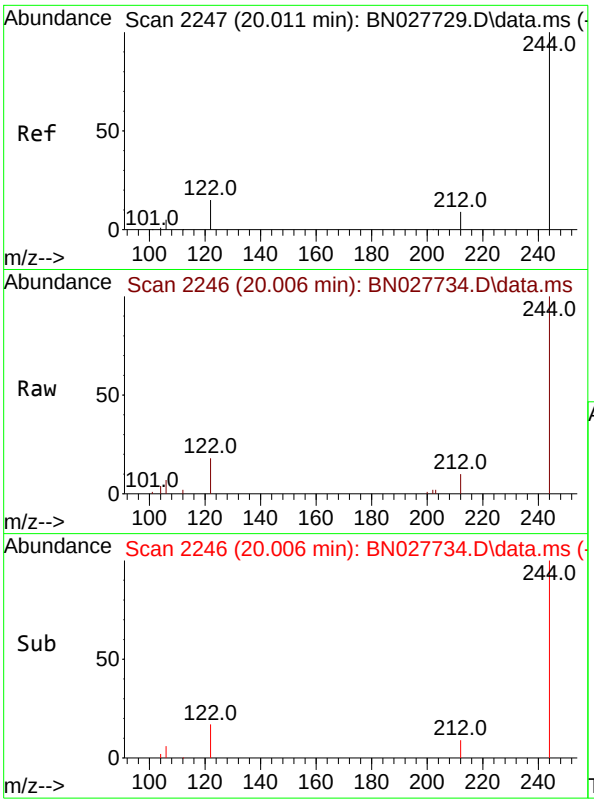


#30
Pyrene
Concen: 0.418 ng
RT: 19.820 min Scan# 2206
Delta R.T. 0.005 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:202 Resp: 15729

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.8	14.2	21.4



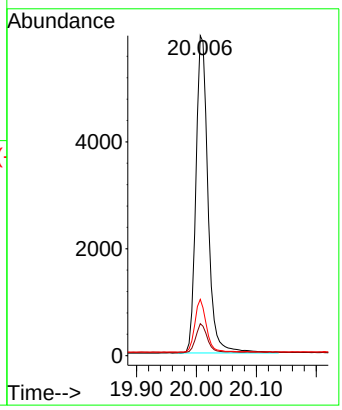


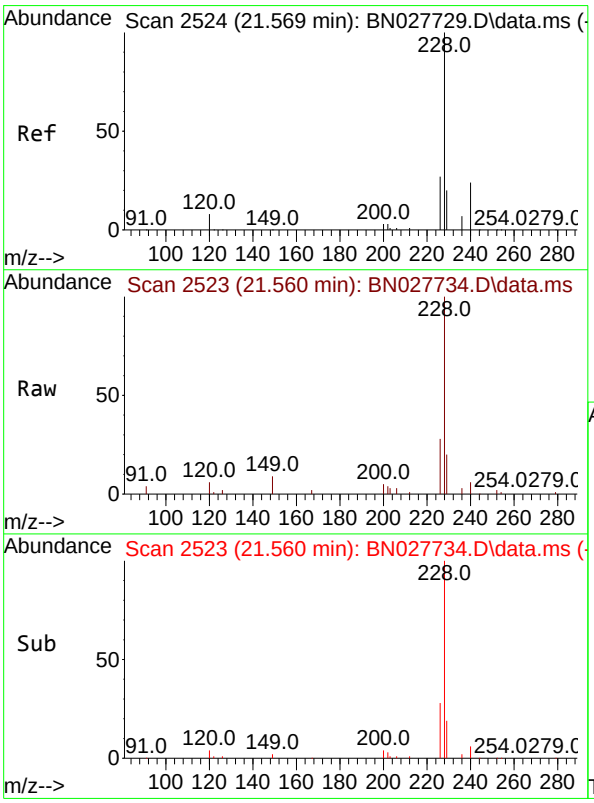
#31
Terphenyl-d14
Concen: 0.402 ng
RT: 20.006 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:244 Resp: 8322

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.0	10.4
122	17.6	12.7	19.1

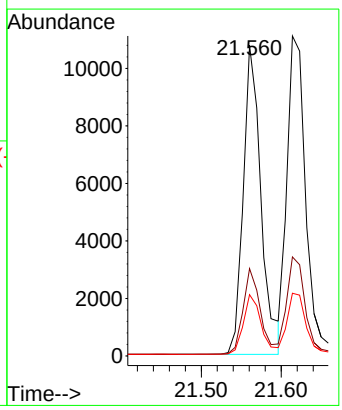


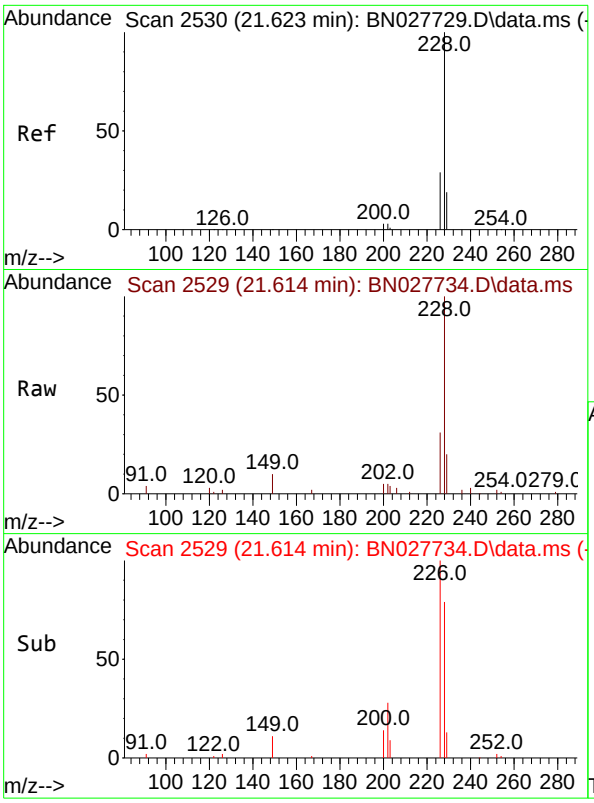


#32
Benzo(a)anthracene
Concen: 0.420 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:228 Resp: 16588

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.4	32.0
229	19.7	15.8	23.8



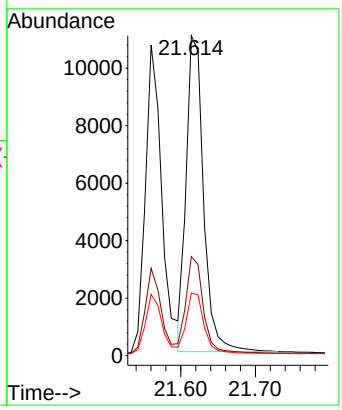


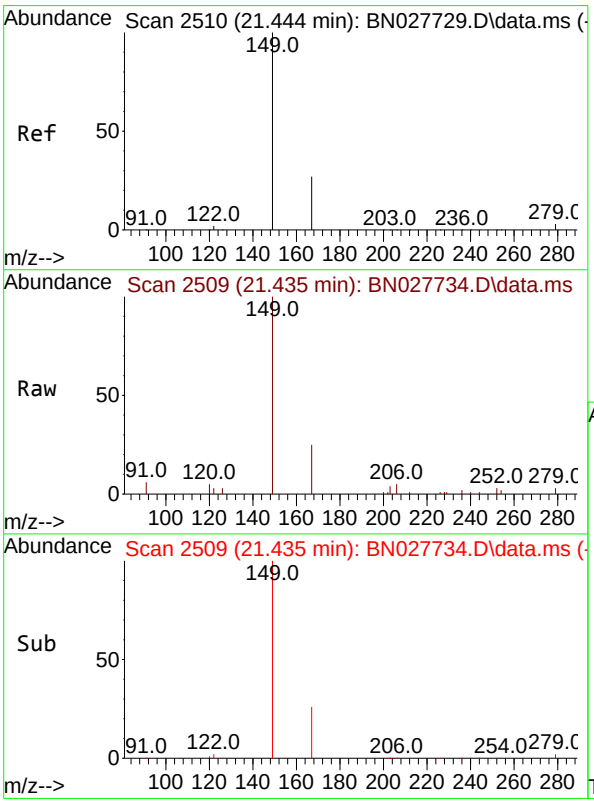
#33
Chrysene
Concen: 0.426 ng
RT: 21.614 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:228 Resp: 17790

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	19.6	15.6	23.4

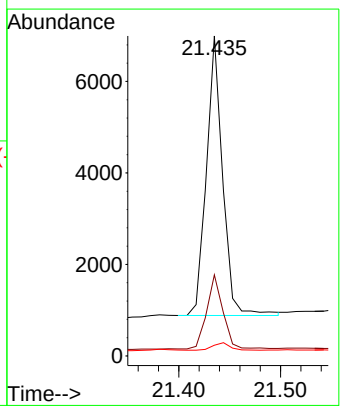


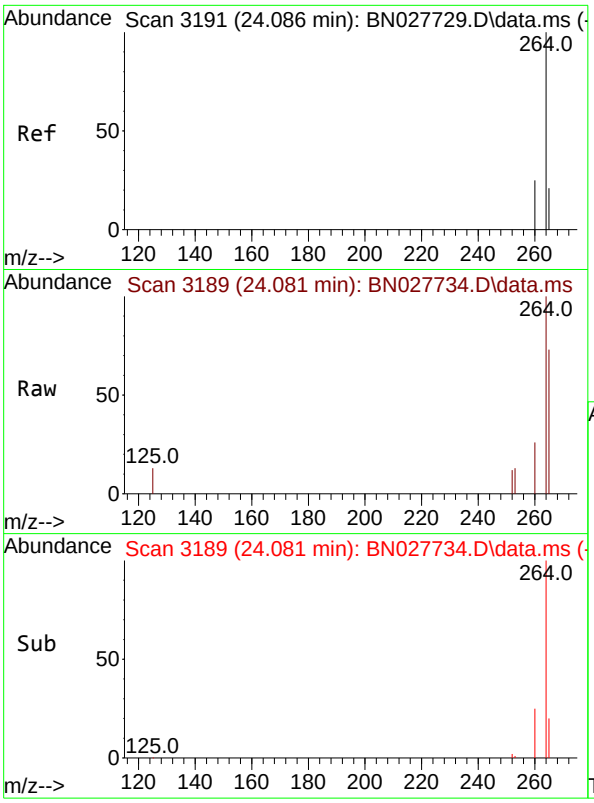


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.364 ng
RT: 21.435 min Scan# 2509
Delta R.T. 0.000 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:149 Resp: 6764

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.5	32.3
279	2.9	2.3	3.5



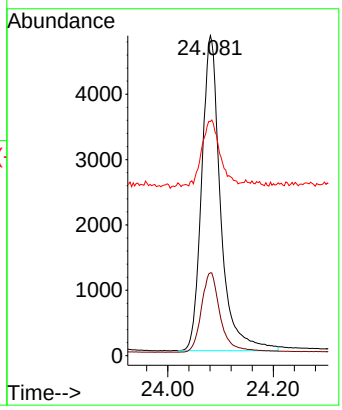


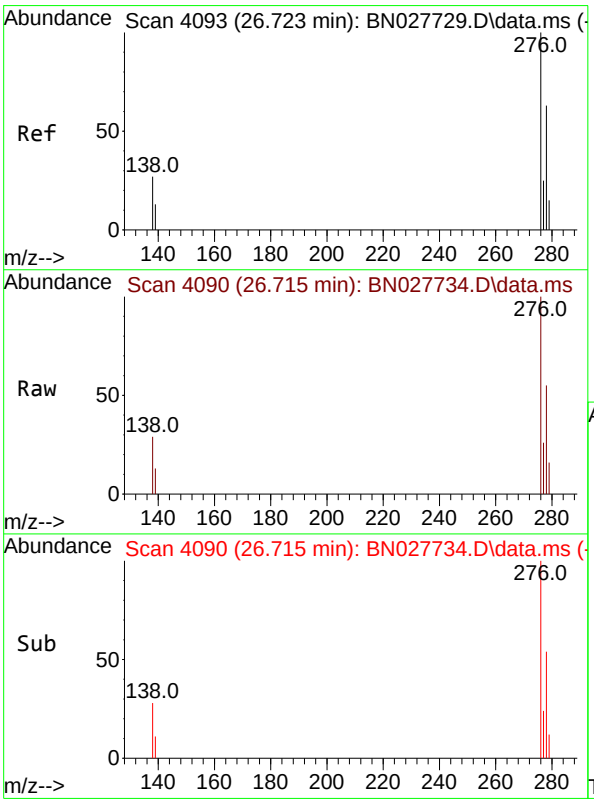
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.081 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:264 Resp: 11988

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.9	31.3
265	73.2	56.6	85.0

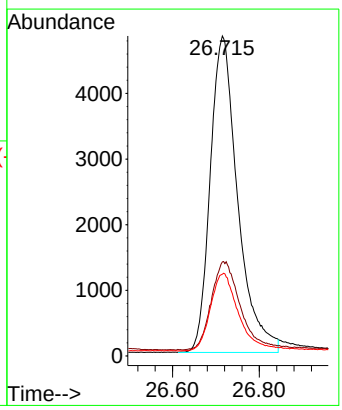


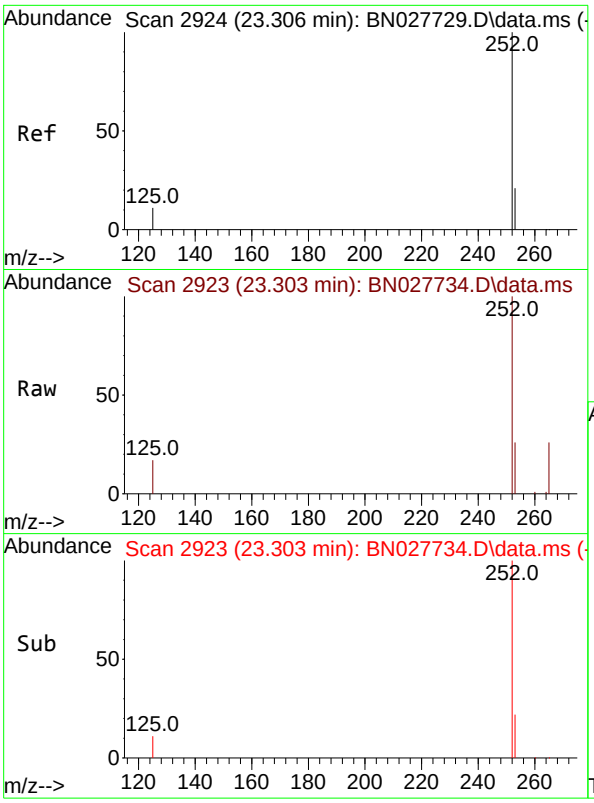


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng
RT: 26.715 min Scan# 4090
Delta R.T. 0.021 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:276 Resp: 21175

Ion	Ratio	Lower	Upper
276	100		
138	29.3	23.4	35.0
277	25.0	19.9	29.9



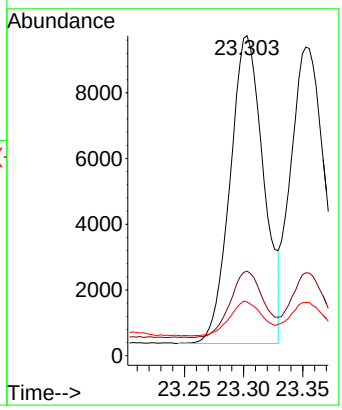


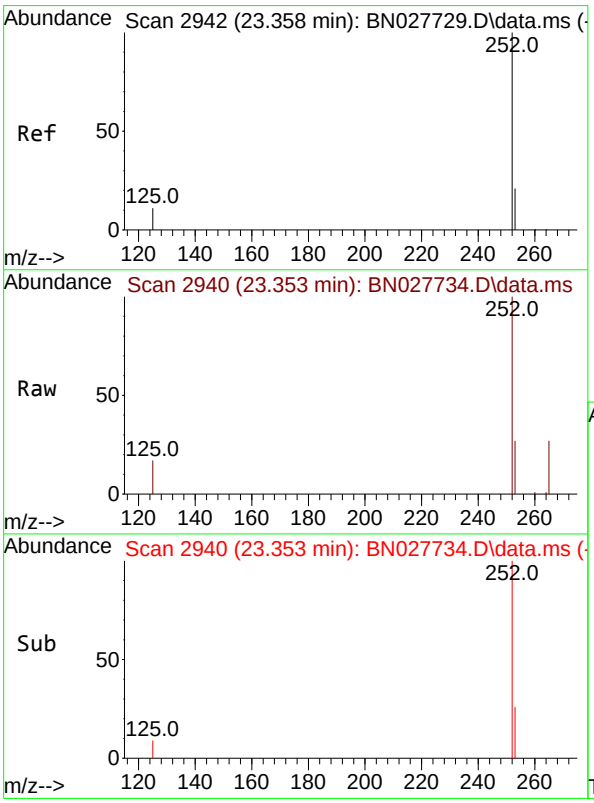
#37
Benzo(b)fluoranthene
Concen: 0.415 ng
RT: 23.303 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:252 Resp: 18448

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.6	26.4#
125	16.8	9.2	13.8#

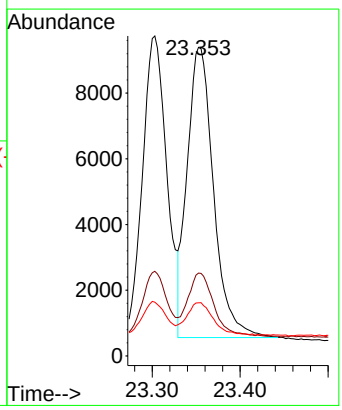


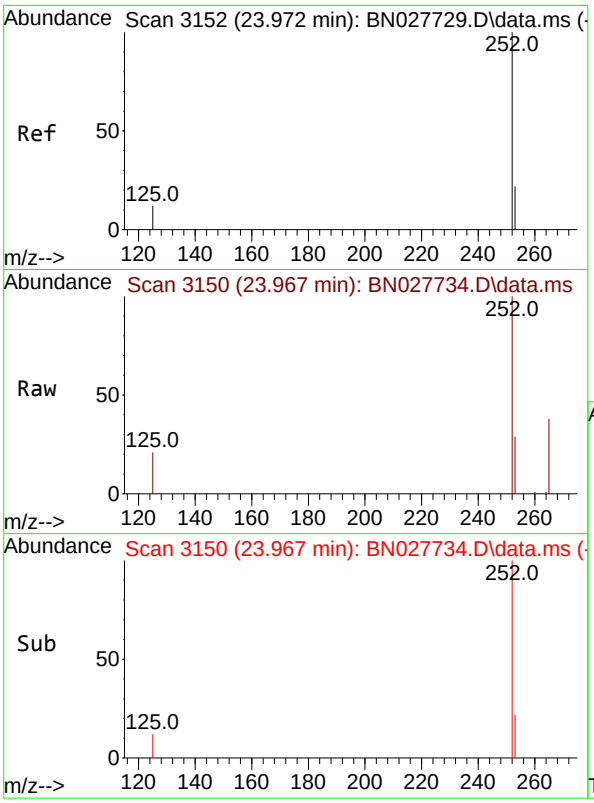


#38
Benzo(k)fluoranthene
Concen: 0.406 ng
RT: 23.353 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:252 Resp: 18428

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	17.2	9.3	13.9#



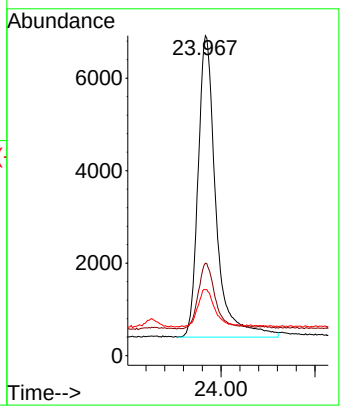


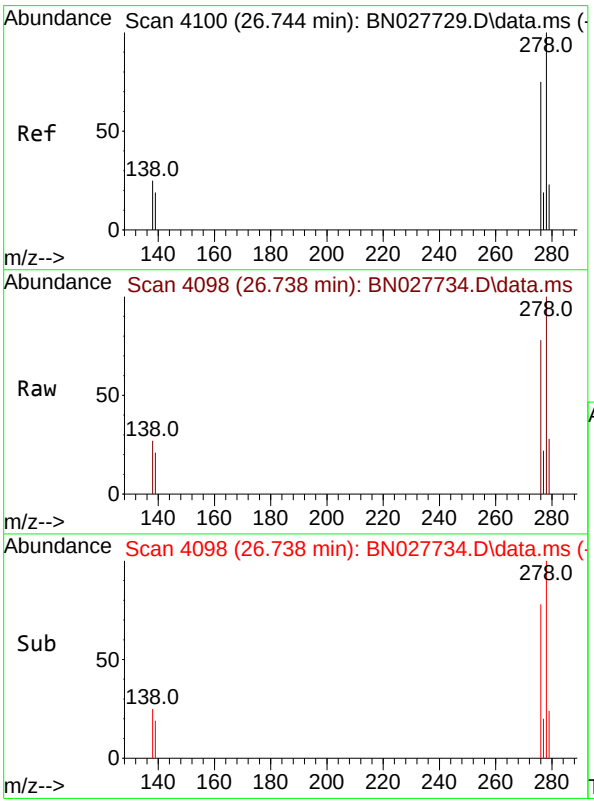
#39
Benzo(a)pyrene
Concen: 0.406 ng
RT: 23.967 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:252 Resp: 17166

Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.6	26.4#
125	20.6	10.2	15.4#

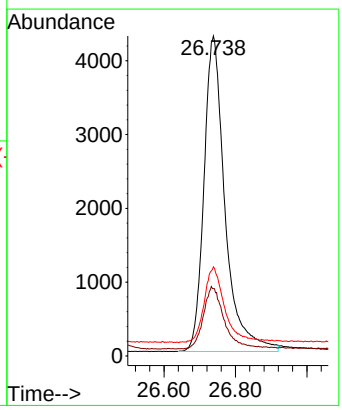


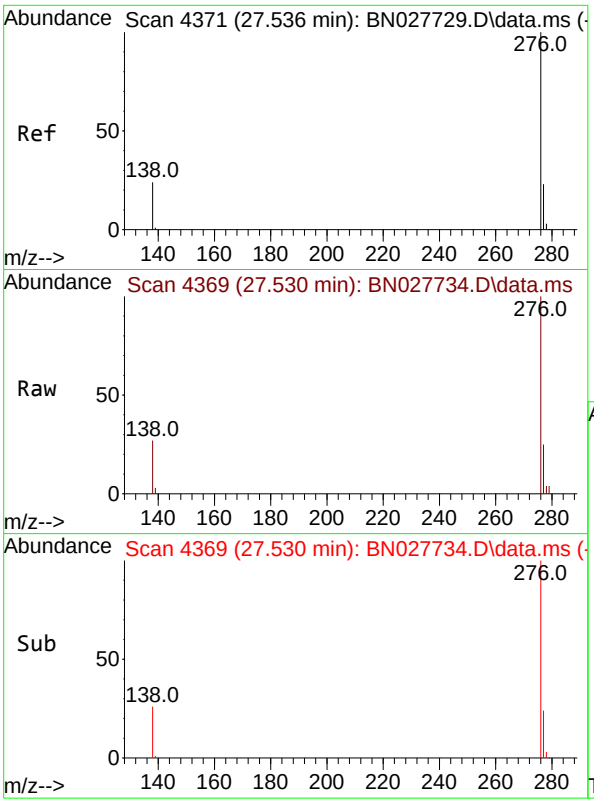


#40
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 26.738 min Scan# 4098
Delta R.T. 0.018 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Tgt Ion:278 Resp: 17513

Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.4	23.2
279	27.8	19.0	28.6





#41
Benzo(g,h,i)perylene
Concen: 0.409 ng
RT: 27.530 min Scan# 4
Delta R.T. 0.012 min
Lab File: BN027734.D
Acq: 18 Sep 2023 14:51

Instrument :
BNA_N
ClientSampleId :
ICVBN091823

Tgt Ion:276 Resp: 19692

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	27.3	20.2	30.4